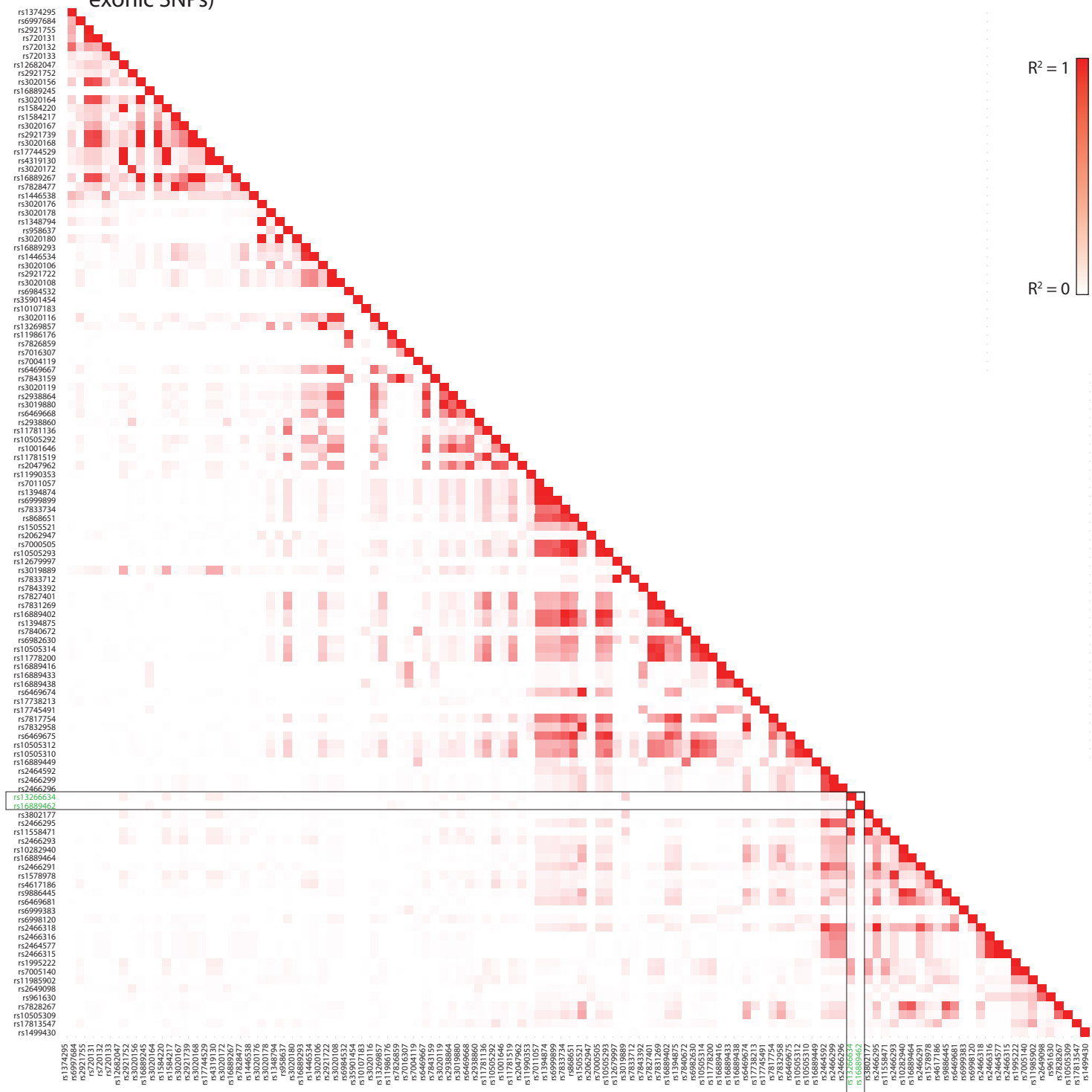


**Supplementary Figure 1. Linkage disequilibrium among the studied SNPs (those in green are exonic SNPs)**



SUPPLEMENTARY TABLE 1

SNP	Basepair	Major allele	Minor allele	MAF	HWE-ChiSq	HWE-P	Ever T2D	
							chi	p(SNP)
rs1374295	116901727	G	T	0.2531	2.27	0.1322	0.115312	0.734176
rs6997684	116901861	C	A	0.4818	0.62	0.4294	0.761496	0.382861
rs2921755	116903318	T	C	0.4906	0.41	0.5228	1.36626	0.242455
rs720131	116903776	G	A	0.4594	0.16	0.6883	1.31373	0.25172
rs720132	116903996	C	T	0.2726	0.11	0.7376	0.06157	0.804032
rs720133	116904042	T	C	0.3390	0.08	0.7757	0.890836	0.345251
rs12682047	116905388	T	C	0.1468	0.12	0.7283	0.38205	0.536508
rs2921752	116907274	T	G	0.0706	2.01	0.1563	0.237182	0.626249
rs3020156	116909116	G	A	0.4840	0.00	0.9699	0.404392	0.52483
rs16889245	116911977	A	G	0.0007	0.00	1.0000	0.999922	0.317329
rs3020164	116914536	T	G	0.4725	0.00	0.9801	0.514232	0.473313
rs1584220	116915698	T	G	0.1435	0.38	0.5387	0.41667	0.518603
rs1584217	116915860	G	T	0.2240	1.99	0.1587	0.011594	0.914253
rs3020167	116916586	C	T	0.3106	2.14	0.1438	0.313302	0.575661
rs2921739	116917219	C	T	0.4800	0.00	0.9693	0.763798	0.382143
rs3020168	116918578	C	T	0.4720	0.00	0.9475	0.264814	0.606832
rs17744529	116918615	G	A	0.1436	0.35	0.5533	0.377944	0.538706
rs4319130	116920945	A	C	0.1436	0.36	0.5483	0.41667	0.518603
rs3020172	116921726	A	G	0.0825	3.53	0.0604	1.356566	0.244134
rs16889267	116925656	C	T	0.4725	0.00	0.9801	0.514232	0.473313
rs7828477	116932347	A	G	0.2278	1.43	0.2312	0.008334	0.927262
rs1446538	116932401	A	G	0.3553	0.10	0.7548	0.447052	0.503738
rs3020176	116935146	A	C	0.1934	0.06	0.8027	0.663408	0.415359
rs3020178	116935759	G	A	0.1988	1.25	0.2630	1.776648	0.182561
rs1348794	116936602	A	G	0.1916	0.07	0.7932	0.629134	0.427673
rs958637	116936747	A	G	0.0498	0.27	0.6001	3.555474	0.059349
rs3020180	116937517	A	G	0.1895	0.26	0.6099	0.856088	0.354836
rs16889293	116939903	C	T	0.2960	0.78	0.3760	0.00034	0.985289
rs1446534	116944800	G	A	0.2750	0.23	0.6340	0.01488	0.902912
rs3020106	116946316	G	A	0.1429	0.06	0.8013	4.294566	0.038234
rs2921722	116947908	G	T	0.4505	0.87	0.3507	1.064782	0.302127
rs3020108	116948147	G	A	0.4504	0.77	0.3812	1.064782	0.302127
rs6984532	116948907	C	T	0.0055	0.05	0.8178	6.554688	0.010461
rs35901454	116959825	G	A	0.0007	0.00	1.0000	0.239834	0.624326
rs10107183	116961569	G	T	0.0047	0.01	0.9425	0.100024	0.751801
rs3020116	116962914	T	G	0.4912	0.46	0.4978	0.248778	0.617937
rs13269857	116965328	G	A	0.1464	0.00	0.9931	4.412568	0.035675
rs11986176	116967932	T	C	0.0065	0.10	0.7574	6.138516	0.013227
rs7826859	116979371	A	G	0.0120	0.12	0.7294	2.985152	0.084031
rs7016307	116988330	A	G	0.0036	0.50	0.4782	2.280554	0.131005
rs7004119	116989423	G	T	0.0211	0.20	0.6511	0.83145	0.361854
rs6469667	116990568	A	G	0.4189	0.03	0.8690	3.572436	0.058746
rs7843159	116992908	G	A	0.0123	0.06	0.8087	2.985152	0.084031

rs3020119	116994332	C	T	0.4149	0.17	0.6797	1.049402	0.305645
rs2938864	117000026	A	G	0.4490	1.08	0.2996	3.117238	0.077468
rs3019880	117006635	C	T	0.4095	0.20	0.6544	0.806318	0.369211
rs6469668	117010246	A	G	0.3810	0.81	0.3695	1.59258	0.206958
rs2938860	117012309	A	G	0.1339	0.58	0.4477	0.32859	0.566491
rs11781136	117016058	A	G	0.0651	0.32	0.5710	1.97553	0.159862
rs10505292	117021088	A	G	0.2959	2.75	0.0971	1.504668	0.219954
rs1001646	117021881	C	T	0.4841	1.57	0.2104	4.553068	0.03286
rs11781519	117025077	T	C	0.0777	0.50	0.4800	1.85079	0.173691
rs2047962	117027832	C	T	0.3771	1.97	0.1606	4.046906	0.044252
rs11990353	117032043	C	A	0.0308	1.01	0.3141	2.749648	0.097276
rs7011057	117040166	G	A	0.1940	0.33	0.5653	0.64431	0.422154
rs1394874	117041250	A	G	0.1942	0.38	0.5366	0.49476	0.481812
rs6999899	117045338	A	C	0.2012	0.17	0.6814	0.534376	0.464773
rs7833734	117058576	G	T	0.1720	3.73	0.0535	0.080776	0.776249
rs868651	117062487	A	G	0.2095	2.92	0.0872	0.167506	0.682338
rs1505521	117063876	C	T	0.0698	0.11	0.7369	1.72059	0.189617
rs2062947	117066457	C	T	0.1049	1.01	0.3140	1.287642	0.256483
rs7000505	117066559	T	G	0.1916	6.40	0.0114	0.229728	0.631726
rs10505293	117072712	G	A	0.2080	3.15	0.0761	0.449146	0.502741
rs12679997	117075816	G	A	0.0207	0.45	0.5044	0.02669	0.870227
rs3019889	117081316	T	C	0.0742	3.63	0.0568	0.207184	0.648984
rs7833712	117086368	C	A	0.0199	0.39	0.5318	0.091036	0.762864
rs7843392	117088354	C	T	0.0076	0.13	0.7230	0	1
rs7827401	117088480	T	C	0.0860	2.58	0.1086	4.392018	0.036108
rs7831269	117090660	C	A	0.0778	1.64	0.2004	3.1225	0.077218
rs16889402	117101065	G	A	0.1794	4.23	0.0396	2.285242	0.13061
rs1394875	117102069	A	G	0.1587	4.93	0.0264	0.329814	0.565769
rs7840672	117105515	G	A	0.0151	0.07	0.7965	0.404302	0.524876
rs6982630	117106584	A	G	0.1092	0.19	0.6671	2.306414	0.128841
rs10505314	117106933	T	C	0.0889	3.02	0.0824	2.230188	0.135337
rs11778200	117108093	A	G	0.0825	1.58	0.2092	1.019508	0.312636
rs16889416	117114869	T	C	0.0105	0.16	0.6905	0.19396	0.659641
rs16889433	117123300	A	C	0.0108	0.16	0.6917	0.229734	0.631721
rs16889438	117131057	C	T	0.0117	0.12	0.7254	0.08945	0.764877
rs6469674	117131504	A	G	0.0742	0.04	0.8470	6.806068	0.009085
rs17738213	117133715	A	G	0.0276	0.65	0.4199	0.038212	0.845018
rs17745491	117134070	G	T	0.0036	0.03	0.8726	0.054922	0.81471
rs7817754	117142742	A	G	0.1530	3.80	0.0511	4.35309	0.036942
rs7832958	117146091	A	G	0.0728	0.04	0.8436	6.907926	0.008581
rs6469675	117152910	A	G	0.2246	2.48	0.1150	2.663478	0.102676
rs10505312	117158022	A	G	0.1226	0.64	0.4225	0.541064	0.461992
rs10505310	117162396	C	T	0.1448	0.03	0.8655	0.305202	0.580639
rs16889449	117162479	C	A	0.0167	0.14	0.7095	0.479714	0.488552
rs2464592	117171312	T	C	0.2617	0.58	0.4446	0.006012	0.938196
rs2466299	117171348	C	T	0.2009	0.10	0.7509	0	1
rs2466296	117171888	C	T	0.2008	0.14	0.7056	0	1

rs13266634	117172544	C	T	0.2270	0.01	0.9324	1.46155	0.226684
rs16889462	117172545	G	A	0.0044	0.01	0.9084	0.332392	0.564254
rs3802177	117172786	C	T	0.2278	0.07	0.7884	0.484076	0.486582
rs2466295	117172802	A	G	0.3038	0.06	0.8131	0.328908	0.566303
rs11558471	117173494	A	G	0.2540	0.00	0.9948	0.463516	0.495985
rs2466293	117173699	T	C	0.4989	5.12	0.0236	0.00028	0.986649
rs10282940	117175587	G	A	0.1168	0.69	0.4077	0.677082	0.410593
rs16889464	117177164	T	C	0.1070	0.02	0.8971	0.965496	0.325806
rs2466291	117178154	C	T	0.3531	0.05	0.8149	1.93311	0.164419
rs1578978	117184564	T	C	0.4700	2.93	0.0872	0.025366	0.873459
rs4617186	117188190	A	G	0.2679	0.61	0.4363	0.000358	0.984904
rs9886445	117188334	G	A	0.1238	0.70	0.4012	0.99381	0.318813
rs6469681	117191195	A	G	0.1842	0.10	0.7462	1.628242	0.201946
rs6999383	117197827	A	G	0.0018	0.03	0.8594	2.294108	0.129866
rs6998120	117203062	A	G	0.0586	0.69	0.4071	0.113756	0.735908
rs2466318	117205068	G	A	0.2990	0.02	0.8997	0.594184	0.440806
rs2466316	117205358	T	C	0.1090	6.20	0.0128	0.109264	0.740984
rs2464577	117206282	C	T	0.1034	0.58	0.4445	0.48847	0.484611
rs2466315	117207144	T	C	0.1034	0.58	0.4445	0.48847	0.484611
rs1995222	117217523	G	A	0.3397	0.97	0.3255	0.000356	0.984946
rs7005140	117221908	A	G	0.3449	0.44	0.5088	0.402472	0.525815
rs11985902	117222649	G	A	0.3737	0.03	0.8657	1.42585	0.232443
rs2649098	117223033	G	A	0.1734	2.26	0.1328	0.757648	0.384066
rs961630	117223771	G	A	0.2679	0.51	0.4739	0.700146	0.402735
rs7828267	117223802	T	C	0.1211	0.19	0.6655	2.082562	0.14899
rs10505309	117224767	T	C	0.0941	0.00	0.9648	2.46172	0.116651
rs17813547	117225125	T	C	0.2272	0.28	0.5960	0.026366	0.87101
rs1499430	117225878	C	A	0.1482	1.85	0.1739	1.881334	0.170183



Association with T2D-related traits									
	Incident T2D			Fasting glucose			Fasting insulin		
bSNP	chi	p(SNP)	bSNP	chi	p(SNP)	bSNP	chi	p(SNP)	bSNP
0.023246	3.097598	0.078408	0.162622	0.642838	0.422685	0.031531	0.038138	0.845166	0.009722
0.053584	0.053094	0.817764	-0.01938	0.055432	0.813867	-0.00814	0.002854	0.957395	0.002314
0.070863	7.855828	0.005066	0.222101	0.87135	0.350582	0.032133	0.20746	0.648766	-0.01985
-0.06993	6.662194	0.009848	-0.20552	0.907328	0.340824	-0.03331	0.03028	0.861856	0.007696
-0.01668	1.536598	0.215125	0.111521	0.08419	0.771698	0.01126	0.223448	0.636425	0.023366
0.061873	0.617822	0.431858	0.066743	1.254812	0.262635	0.041115	2.061792	0.151032	-0.0664
-0.05166	1.249138	0.263717	-0.12561	0.165024	0.684573	-0.01926	0.027404	0.868518	0.009909
-0.05885	0.813672	0.367037	-0.13979	0.050422	0.822331	0.015495	1.824838	0.176738	-0.11683
-0.03814	2.72701	0.098664	-0.13082	0.29448	0.587364	-0.01869	0.619578	0.431204	0.034215
-0.9911	0.117724	0.731516	1.250011	0.001644	0.967658	0.000907	0.316454	0.573747	0.533889
-0.04302	2.986888	0.083941	-0.137	0.235264	0.627648	-0.01682	0.231452	0.630449	0.02105
-0.05446	1.217474	0.269857	-0.12465	0.244518	0.620962	-0.02366	0.012388	0.911377	-0.00672
0.007718	0.240338	0.623962	-0.04591	0.211084	0.645919	-0.01863	0.367416	0.544416	0.030917
-0.03664	1.266614	0.260403	-0.09565	0.356366	0.550531	-0.0222	0.009006	0.924394	0.004437
-0.05243	2.972754	0.084678	-0.13634	0.065682	0.797731	-0.00887	0.271174	0.602545	0.022744
-0.03088	2.466732	0.116279	-0.12431	0.222922	0.636822	-0.01636	0.276586	0.598948	0.022998
-0.05162	1.402048	0.236381	-0.13258	0.18627	0.666039	-0.02056	0.000622	0.980103	-0.0015
-0.05446	1.217474	0.269857	-0.12465	0.244518	0.620962	-0.02366	0.012388	0.911377	-0.00672
-0.12846	1.388312	0.23869	-0.16655	0.011332	0.915224	-0.00682	0.405736	0.524142	-0.05128
-0.04304	2.986888	0.083941	-0.137	0.235264	0.627648	-0.01682	0.231452	0.630449	0.02105
0.006415	0.182178	0.669508	-0.03919	0.133278	0.715057	-0.01467	0.315788	0.57415	0.028394
-0.04125	0.128052	0.72046	0.029057	0.01621	0.898688	-0.00452	0.004608	0.945879	-0.00304
-0.06268	0.052422	0.818901	-0.02325	1.185166	0.276307	0.046994	0.047056	0.828268	0.011877
0.099992	0.09292	0.760497	0.02952	4.09776	0.04294	-0.08662	0.363482	0.546579	-0.03257
-0.06103	0.108086	0.742334	-0.03337	0.89074	0.345277	0.040866	0.135588	0.712707	0.020218
0.268325	0.692684	0.405253	0.144013	4.0396	0.044444	-0.1557	0.132554	0.715799	-0.03567
-0.07192	0.208248	0.648144	-0.04643	1.099658	0.294341	0.045684	0.188982	0.663765	0.024029
0.001476	0.0854	0.770109	-0.02458	1.881796	0.17013	-0.05119	0.141568	0.706727	-0.01766
-0.00793	0.317968	0.572831	-0.04776	0.395756	0.529289	-0.0239	0.063282	0.801382	-0.012
0.182984	2.679232	0.101665	0.189266	4.22631	0.039802	-0.10228	4.888618	0.027034	-0.13811
0.061728	0.11932	0.729773	0.026784	6.60973	0.010142	-0.08806	4.136038	0.041979	-0.08763
0.061728	0.11932	0.729773	0.026784	6.60973	0.010142	-0.08806	4.136038	0.041979	-0.08763
-0.8742	0.62151	0.430487	-0.39212	1.24441	0.264623	0.276971	0.103192	0.748032	-0.09967
-0.44936	0.374916	0.540337	3.289441	0.000416	0.983727	-0.00031	0.403304	0.525388	0.593905
-0.11451	0.028214	0.866607	-0.07765	1.030228	0.310105	0.213705	1.232446	0.266932	-0.29216
-0.02945	0.059062	0.807985	-0.01851	2.72449	0.09882	0.055871	2.313648	0.128243	0.064853
0.184195	3.087868	0.078878	0.201818	3.351376	0.067149	-0.08991	4.976302	0.025697	-0.1375
-0.76364	0.082436	0.774023	-0.13064	0.51805	0.471675	0.162467	0.364048	0.546267	-0.17024
-0.44381	0.06265	0.802355	0.089617	0.592644	0.441399	0.124669	0.287334	0.591934	-0.10865
3.711865	1.606894	0.204929	3.720952	0.003378	0.953653	0.001536	0.02738	0.868575	0.05798
0.20081	0.000132	0.990833	0.003368	0.713434	0.398306	-0.09779	3.102686	0.078163	-0.2544
0.115135	1.652262	0.198651	0.100628	7.258496	0.007057	-0.09339	3.867472	0.049231	-0.08571
-0.44383	0.06265	0.802355	0.089617	0.592644	0.441399	0.124694	0.287334	0.591934	-0.10865

-0.06189	0.326446	0.567759	-0.04517	3.33694	0.06774	0.062938	3.202338	0.073533	0.077685
0.106724	1.64902	0.199092	0.099768	7.182448	0.007362	-0.09184	5.995886	0.014339	-0.10549
-0.05493	0.10252	0.748826	-0.02581	2.856774	0.09099	0.058855	1.616228	0.203619	0.055728
0.078032	1.121644	0.289565	0.082629	4.615468	0.031685	-0.0743	4.928528	0.026417	-0.09637
0.051722	0.104156	0.746898	-0.03692	0.441956	0.50618	-0.03408	0.003454	0.953135	0.00378
0.177687	0.061274	0.804493	0.040488	1.780814	0.182049	-0.09387	0.508982	0.47558	-0.06294
0.081805	1.518584	0.217834	0.103422	3.786564	0.051666	-0.07316	0.391364	0.531583	-0.02937
0.128505	3.102496	0.078172	0.137223	6.348338	0.011749	-0.08561	3.783032	0.051775	-0.08308
0.158244	0.28594	0.592834	0.078814	1.632854	0.201309	-0.08249	0.390968	0.531791	-0.05082
0.125105	4.467682	0.034542	0.167439	3.772464	0.052103	-0.06713	3.87326	0.049061	-0.0853
-0.28363	3.076322	0.07944	-0.37618	0.070896	0.790037	0.02611	0.923272	0.336617	0.119099
0.06157	0.004104	0.94892	0.006331	3.010644	0.082719	-0.07446	0.96572	0.32575	-0.05292
0.053887	0.004104	0.94892	0.006331	3.010646	0.082719	-0.07446	0.965722	0.325749	-0.05292
0.055361	0.022248	0.881429	0.014664	2.352644	0.125071	-0.06448	0.544788	0.460455	-0.03901
0.022965	0.00242	0.960765	-0.00523	0.01643	0.898007	-0.00597	0.049552	0.823845	-0.01302
0.030422	0.053446	0.817172	0.022609	0.141708	0.706589	-0.01588	0.375556	0.539991	-0.03251
-0.14878	2.058036	0.151405	-0.21578	0.307736	0.579073	0.036294	0.152808	0.695866	0.032032
0.11706	1.888964	0.169319	0.175361	0.962558	0.326543	0.055432	2.069062	0.150314	-0.10269
0.036942	0.00161	0.967994	-0.0041	0.020156	0.887102	-0.00621	0.359988	0.548513	-0.03302
-0.15919	0.472356	0.491905	0.203159	0.00018	0.989296	0.001834	0.32997	0.565677	-0.09889
-0.03673	2.708234	0.099832	0.5884	0.006114	0.937675	-0.01006	3.005604	0.082977	-0.27773
-0.04937	0.131548	0.716832	-0.05438	1.449462	0.228614	0.07619	0.583574	0.444915	0.061237
-0.0687	2.214576	0.136713	0.541	0.063206	0.801499	-0.033	2.469678	0.116062	-0.25708
-3.7E-05	3.61533	0.057249	3.994874	2.626102	0.10512	0.341013	0.447738	0.503411	0.17606
0.288768	1.15936	0.281598	0.194101	0.419954	0.51696	-0.04869	0.374098	0.540779	0.057702
0.252397	0.248774	0.61794	0.091412	0.671144	0.412653	-0.06405	0.020372	0.886503	0.014029
-0.32865	0.229932	0.631574	-0.14237	0.05547	0.813805	0.028084	0.18865	0.664043	0.06562
-0.09516	3.36444	0.066618	-0.45051	0.000504	0.982089	-0.00203	5.010104	0.0252	0.256594
0.167979	0.379102	0.538084	0.262515	4.284666	0.038458	-0.30709	2.81197	0.093563	-0.31025
0.197828	1.444686	0.229382	0.212767	0.762464	0.382559	-0.06427	0.001824	0.965934	0.003963
0.198309	0.113224	0.736503	0.058934	0.572844	0.449131	-0.05596	0.965206	0.325879	0.091634
0.131786	0.15425	0.694507	-0.06589	2.160714	0.141579	-0.10724	0.100306	0.751463	0.029156
0.135364	1.157376	0.28201	0.505039	1.678518	0.195122	0.219808	0.85218	0.355936	0.195906
0.146761	1.333922	0.248109	0.537991	2.506524	0.113376	0.265396	1.025992	0.311102	0.212645
0.079778	0.749768	0.38655	0.408877	0.215986	0.642116	0.071636	0.017644	0.894327	-0.02558
-0.33963	5.296246	0.021371	-0.39592	2.613914	0.10593	0.122017	0.349046	0.554654	0.055871
-0.03706	0.351852	0.553067	0.137191	1.807726	0.178781	-0.14215	3.128474	0.076936	0.235737
-0.12015	1.939556	0.163717	3.747398	1.646222	0.199474	0.373945	0.018654	0.891363	-0.04975
-0.2928	11.02586	0.000898	-0.66644	0.839328	0.359589	0.072698	2.268414	0.132035	0.150896
-0.34171	5.43025	0.019791	-0.3997	2.578878	0.108298	0.120861	0.48496	0.486184	0.065665
-0.24048	1.731828	0.188178	-0.24544	2.14256	0.143263	0.119802	0.627474	0.428283	0.081964
0.089977	0.829286	0.362479	0.144911	0.9418	0.331815	-0.06741	1.428306	0.232041	-0.10393
0.062908	0.769946	0.380234	0.128037	1.181984	0.276952	-0.07008	1.040842	0.307626	-0.08249
0.17908	1.068082	0.301379	0.420554	1.311334	0.252153	-0.16557	0.564612	0.452408	-0.13555
-0.00584	0.092604	0.760892	-0.02979	0.425188	0.51436	0.027224	0.10079	0.750884	-0.01673
-2.85E-07	0.026308	0.87115	-0.01686	0.730712	0.392653	0.037778	0.25889	0.610884	-0.02834
-2.85E-07	0.026308	0.87115	-0.01686	0.730712	0.392653	0.037778	0.25889	0.610884	-0.02834

0.086513	0.47662	0.489957	0.064914	0.35506	0.551263	-0.02374	0.00868	0.925771	0.004674
0.322492	3.115162	0.077567	3.804443	0.05722	0.810945	0.06526	0.162398	0.686958	-0.14159
0.049739	0.171516	0.678768	0.038999	0.07562	0.783323	-0.01095	0.158734	0.690325	0.01996
-0.03964	0.186628	0.665738	-0.03887	0.506806	0.476525	0.027629	0.043904	0.834032	0.010283
0.047016	0.230824	0.630914	0.043698	0.018144	0.892849	0.005175	0.266934	0.605396	0.024972
-0.00077	0.07024	0.790988	0.021336	0.137186	0.711095	-0.01288	0.69448	0.404645	-0.03664
-0.07878	0.859534	0.353869	-0.11206	0.042438	0.836787	-0.01122	0.19396	0.659641	0.0301
-0.09601	0.658828	0.416974	-0.10127	0.089656	0.764615	-0.01675	0.000864	0.97655	-0.00207
-0.09714	1.783752	0.181689	-0.12243	1.47865	0.223986	0.047895	1.253348	0.262914	0.055602
-0.00991	0.000012	0.997236	0.000186	0.088002	0.766733	-0.01035	0.558246	0.454968	-0.03303
-0.00118	0.0061	0.937747	0.007327	0.000056	0.994029	0.000359	0.224436	0.63568	-0.02397
-0.0941	0.673672	0.411774	-0.09851	0.001822	0.965953	0.002292	0.223998	0.63601	0.032157
-0.10706	1.881526	0.170161	-0.14766	0.041822	0.837959	0.009716	0.804832	0.369653	0.053926
4.289455	0.432194	0.510914	3.183938	1.626918	0.20213	0.442978	0.233618	0.628854	0.209789
-0.04522	0.435348	0.509376	-0.11459	0.009606	0.921924	0.007433	0.35498	0.551307	0.056573
-0.05431	0.781044	0.376822	-0.08098	0.41421	0.51984	0.02539	0.462452	0.49648	0.033912
0.032509	0.063324	0.801317	0.032803	0.3111	0.577006	0.030575	0.030178	0.862087	-0.01199
0.070356	0.36493	0.545781	0.082522	0.063852	0.800508	0.014059	0.064708	0.799204	-0.01781
0.070356	0.36493	0.545781	0.082522	0.063852	0.800508	0.014059	0.064708	0.799204	-0.01781
-0.00114	0.066858	0.795968	-0.02131	0.198176	0.656197	0.01588	0.833522	0.361256	0.041106
0.040379	0.011806	0.913476	-0.00892	0.155388	0.693439	0.013925	1.880794	0.170244	0.060996
-0.07471	0.5506	0.458073	-0.06141	0.009822	0.921054	-0.00357	0.54731	0.459419	0.033633
0.071084	0.587214	0.443499	0.080805	0.785292	0.375528	-0.04053	3.77572	0.052001	-0.11193
0.058425	0.71436	0.398	0.076387	0.094424	0.758626	-0.01193	5.83057	0.01575	-0.11874
-0.13443	1.003696	0.316418	-0.12177	0.008838	0.925101	-0.00506	0.011312	0.915298	0.007708
-0.16809	2.836454	0.092147	-0.23797	0.278758	0.597516	0.032364	0.039158	0.843136	-0.01529
-0.01153	0.004666	0.94554	0.00639	0.017526	0.894679	-0.00547	0.31906	0.572173	0.029514
0.116389	0.000152	0.990163	0.001499	0.558696	0.454786	0.03516	1.171274	0.27914	0.064204

using measured genotype approach

2-hour glucose			2-hour insulin			HOMA-IR			
chi	p(SNP)	bSNP	chi	p(SNP)	bSNP	chi	p(SNP)	bSNP	chi
2.066696	0.150547	0.057671	2.300466	0.129335	0.075747	0.506582	0.476622	0.033848	0.002
0.40846	0.522752	-0.02246	2.595034	0.107199	-0.07004	0.00266	0.958867	0.00217	0.150922
0.631124	0.426943	0.027825	0.002728	0.958345	0.002268	0.09742	0.754948	0.013112	0.123126
0.46813	0.493849	-0.02431	0.035484	0.850585	-0.0083	0.106152	0.744568	-0.01388	0.004122
5.306144	0.02125	0.090868	1.542486	0.214248	0.061202	0.112498	0.737318	0.015827	0.022112
0.280886	0.596121	-0.01988	0.508142	0.475944	-0.03297	0.557108	0.455428	-0.03322	0.04821
0.93805	0.33278	-0.04642	0.06045	0.805786	0.014635	0.000058	0.993924	-0.00044	0.092538
1.370628	0.241704	0.082775	0.173266	0.677225	0.036316	1.332586	0.248346	-0.0955	0.022042
0.224482	0.635646	-0.01664	0.364564	0.545982	0.026207	0.099454	0.752486	0.01317	0.006988
0.373232	0.541248	0.465982	0.003792	0.950898	-0.0578	0.993422	0.318907	-0.50281	0.421142
0.768314	0.380739	-0.03098	0.061532	0.804091	0.010832	0.017408	0.895032	0.005545	0.035314
0.659554	0.416717	-0.03929	0.086276	0.768966	0.017645	0.008982	0.924495	-0.00553	0.059194
1.133486	0.287033	-0.04404	0.158166	0.690851	-0.02035	0.054558	0.815314	0.01156	0.053242
0.000042	0.994829	0.000399	0.049972	0.823112	0.01048	0.0213	0.883965	0.006587	0.376316
0.467936	0.493938	-0.02415	0.051266	0.820875	0.00987	0.002608	0.959271	0.00214	0.169738
0.68338	0.408425	-0.0292	0.055456	0.813828	0.010274	0.003014	0.956218	0.002307	0.038836
0.473672	0.491303	-0.03317	0.18519	0.666951	0.025747	0.001568	0.968414	-0.0023	0.095862
0.659554	0.416717	-0.03929	0.086276	0.768966	0.017645	0.008982	0.924495	-0.00553	0.059194
3.889778	0.048581	0.129602	2.185092	0.139353	0.119973	0.004494	0.946552	0.005131	0.171876
0.768314	0.380739	-0.03098	0.061532	0.804091	0.010832	0.017408	0.895032	0.005545	0.035314
1.266138	0.260492	-0.04611	0.189188	0.663593	-0.02206	0.000846	0.976796	0.001421	0.022502
8.535374	0.003483	0.105421	2.227088	0.135609	0.067144	0.297262	0.585604	0.023387	0.561518
0.015114	0.902155	-0.00543	0.021816	0.882578	-0.00814	0.316558	0.573684	-0.02958	0.400246
3.946028	0.046982	-0.08647	3.571152	0.058791	-0.10211	1.21847	0.269661	-0.05713	0.759386
0.036124	0.84926	-0.00842	0.001084	0.973735	-0.00182	0.205832	0.650054	-0.02395	0.253558
8.976902	0.002734	-0.23516	5.370954	0.020475	-0.22586	2.21452	0.136718	-0.14324	0.078846
0.001454	0.969583	-0.0017	0.01226	0.911834	0.00616	0.091776	0.761931	-0.01611	0.358844
1.460522	0.226847	0.046083	2.219286	0.136296	0.070448	0.248782	0.617934	-0.02265	1.368852
1.74637	0.186334	0.051085	1.57235	0.209866	0.060077	0.049134	0.824577	-0.01022	1.29442
3.681072	0.055033	-0.09711	3.714312	0.053948	-0.12036	6.768908	0.009276	-0.15592	0.830872
1.10059	0.294137	-0.03656	0.355226	0.55117	-0.02573	5.122332	0.02362	-0.09356	6.26129
1.10059	0.294137	-0.03656	0.355226	0.55117	-0.02573	5.122332	0.02362	-0.09356	6.26129
2.970714	0.084784	0.431575	0.000626	0.980039	0.007731	0.025016	0.874327	0.041864	0.865984
1.634076	0.20114	-0.96338	0.015466	0.901028	0.115534	0.531784	0.465858	0.50343	0.228798
0.699624	0.40291	0.177316	0.037474	0.846503	0.050472	0.730326	0.392778	-0.22692	0.546516
0.764496	0.381925	0.030082	0.089962	0.764226	0.012828	2.279494	0.131095	0.061957	4.00768
3.948558	0.046912	-0.09923	4.2064	0.040272	-0.1264	6.804564	0.009092	-0.15449	0.534546
0.334956	0.562755	0.131772	0.639868	0.423759	-0.22545	0.03105	0.860129	0.042447	0.34241
0.695546	0.404284	-0.13632	2.385782	0.122444	-0.30807	0.079428	0.778074	-0.05287	0.206038
3.108246	0.077897	-0.49381	1.507556	0.219512	-0.41839	0.085744	0.769659	-0.10536	0.01371
4.68795	0.030375	-0.25099	7.33305	0.00677	-0.38737	5.06581	0.024402	-0.31289	2.32777
0.955806	0.328246	-0.03452	1.106706	0.292799	-0.04599	5.287264	0.021482	-0.09592	5.48095
0.695546	0.404284	-0.13632	2.385782	0.122444	-0.30805	0.079428	0.778074	-0.05287	0.206038

0.598874	0.439008	0.027148	0.672606	0.412145	0.035536	6.300528	0.01207	0.104565	5.746654
2.744982	0.09756	-0.05772	3.87673	0.04896	-0.08491	9.656734	0.001887	-0.12815	6.487098
0.222412	0.637208	0.016725	0.09895	0.753093	0.013781	4.688066	0.030373	0.091003	4.280536
0.094986	0.757932	-0.01084	1.20327	0.272669	-0.04781	6.417694	0.011299	-0.1066	8.313448
1.11681	0.290606	-0.05533	0.172702	0.677721	-0.02666	0.914254	0.338988	-0.05906	0.00268
7.605184	0.00582	-0.19562	4.185222	0.040778	-0.17897	3.558896	0.059227	-0.16097	0.075574
1.974256	0.159997	0.053295	0.28209	0.595335	0.024921	0.563254	0.452952	-0.03415	3.516204
1.586312	0.207854	-0.04348	3.894288	0.048451	-0.08407	8.927476	0.002809	-0.12238	3.396316
6.338866	0.011812	-0.16427	3.86821	0.049209	-0.15902	3.88216	0.048802	-0.15543	0.020944
0.018232	0.892591	0.004734	1.077558	0.299245	-0.04508	4.115214	0.042499	-0.08554	4.49998
0.039916	0.841645	-0.0197	0.053046	0.817845	0.028198	0.001622	0.967875	0.004859	0.258882
9.764144	0.00178	-0.1352	4.698756	0.030184	-0.11633	3.029296	0.081773	-0.09087	1.76711
9.764144	0.00178	-0.13519	4.698756	0.030184	-0.11633	2.778838	0.095517	-0.08701	1.76711
8.143652	0.004321	-0.12105	3.482192	0.062032	-0.09816	2.660854	0.102846	-0.08373	1.289348
1.992388	0.158091	-0.06662	1.293474	0.255409	-0.0666	0.035946	0.849627	-0.01057	0.401558
4.385196	0.036252	-0.08935	3.505	0.061184	-0.09894	0.892412	0.344824	-0.04816	0.091806
0.13477	0.713537	0.024272	0.736438	0.390804	0.070707	0.892664	0.344756	0.074855	0.017074
0.399724	0.527232	-0.03624	1.398996	0.236892	-0.08391	2.988648	0.08385	-0.11861	0.760534
5.145892	0.023301	-0.10059	4.529016	0.033325	-0.11695	0.621882	0.430349	-0.0417	0.187824
0.000166	0.98972	-0.00176	0.021648	0.883027	-0.02508	0.63241	0.426473	-0.13254	0.09753
0.44777	0.503396	-0.08692	1.959052	0.161615	-0.22673	0.00125	0.971796	-0.00527	0.08011
0.272852	0.601425	-0.03336	0.233228	0.629141	-0.03836	0.243716	0.621535	0.037771	1.696728
0.765894	0.38149	-0.1162	2.709184	0.099772	-0.27285	0.027112	0.869214	0.024923	0.17501
1.13084	0.287596	0.224909	0.4829	0.487112	0.181298	0.519026	0.471257	0.15345	1.567602
0.01205	0.91259	-0.00831	0.000042	0.994829	0.000603	1.122076	0.289472	-0.09777	0.837114
0.36922	0.54343	-0.04789	0.36034	0.548318	-0.05857	1.630716	0.201604	-0.12264	0.261302
4.31882	0.037693	0.247938	3.023982	0.082042	0.259192	1.818468	0.177496	0.197109	0.009728
5.60261	0.017934	0.216653	9.928672	0.001627	0.360544	1.617252	0.203475	0.140431	0.301848
3.572642	0.058739	-0.28055	6.142102	0.0132	-0.45473	2.983998	0.084091	-0.30248	2.704452
0.643886	0.422307	-0.05947	0.70029	0.402686	-0.07728	0.386264	0.53427	-0.05564	0.324468
0.416172	0.518853	-0.04809	0.010364	0.918913	-0.00945	0.2974	0.585517	-0.04953	0.65618
0.56464	0.452397	-0.05532	0.000478	0.982557	0.002002	0.650474	0.419943	-0.07245	0.03386
0.018526	0.891734	0.023194	0.06301	0.8018	0.052582	0.047944	0.82668	0.043677	0.965214
0.046592	0.829103	0.036387	0.002772	0.958011	0.010902	0.09997	0.751866	0.062439	1.437318
0.00008	0.992864	0.001451	0.198646	0.655816	-0.08511	0.113658	0.736017	-0.05985	0.064528
2.567928	0.10905	0.122026	5.705462	0.016912	0.224315	3.520718	0.060606	0.169925	0.079292
0.193104	0.660346	0.046487	0.424824	0.51454	0.085443	1.97502	0.159916	0.180755	0.151322
1.88157	0.170156	0.401554	0.811264	0.367747	0.325267	0.075504	0.783485	-0.08718	1.307244
0.317518	0.573103	0.045123	5.9801	0.014468	0.243656	2.643404	0.103981	0.154704	0.701036
2.328434	0.12703	0.115863	5.677192	0.017187	0.223127	3.924058	0.0476	0.17898	0.081258
0.129462	0.71899	0.029565	1.129956	0.287785	0.109157	0.439942	0.50715	0.066881	3.026808
1.314822	0.251524	-0.08048	3.046946	0.080889	-0.15106	1.994552	0.157866	-0.11877	0.06201
1.599144	0.206025	-0.08212	3.949622	0.046882	-0.15974	2.99295	0.083628	-0.13559	0.055182
1.89059	0.169135	-0.19877	2.861036	0.090749	-0.30215	1.330396	0.248735	-0.1946	0.6383
1.403184	0.236191	0.049928	0.036604	0.848274	0.009989	0.26264	0.608312	0.025909	0.37035
0.002038	0.963992	-0.00202	0.419244	0.517315	-0.03577	0.05677	0.811676	0.012849	0.05634
0.002038	0.963992	-0.00202	0.419244	0.517315	-0.03577	0.05677	0.811676	0.012849	0.05634

2.0459	0.152617	-0.05782	0.2961	0.586338	-0.0273	0.109132	0.741135	-0.01604	0.405368
0.105564	0.745252	-0.08786	0.094346	0.758723	-0.10677	0.433502	0.510276	-0.20405	0.013588
1.718228	0.189921	-0.05289	0.199534	0.655097	-0.02238	0.015444	0.901098	0.00603	0.056998
0.879414	0.348362	0.036834	0.008598	0.926122	0.004512	0.79023	0.374031	0.041893	0.62213
3.68732	0.054828	-0.07477	0.699824	0.402843	-0.04047	0.108442	0.741925	0.015444	0.014638
0.599104	0.43892	0.027467	0.03162	0.858864	0.007842	1.446746	0.229051	-0.05068	0.33919
0.333068	0.563858	0.031848	0.357036	0.550157	0.040738	1.020932	0.312298	0.067042	0.561166
0.384466	0.535223	0.03517	0.20937	0.647262	0.032076	1.033508	0.309336	0.069034	0.544484
2.66141	0.10281	0.064826	0.388586	0.533044	0.030743	1.749532	0.185936	0.06296	2.283488
0.000212	0.988383	-0.00056	0.0195	0.888942	0.006176	0.938376	0.332696	-0.04079	0.255884
0.152696	0.695972	0.01573	0.628872	0.427769	0.039887	0.044118	0.833634	0.010116	0.12705
0.047852	0.826844	0.011923	0.021874	0.882423	0.009998	1.412804	0.234592	0.078272	0.447616
2.420776	0.119736	0.07523	1.219254	0.269507	0.066188	2.17007	0.14072	0.084867	0.070028
1.081464	0.29837	-0.36159	1.431628	0.231499	-0.51196	0.051706	0.820121	0.102026	1.262504
4.383454	0.036289	0.160486	2.806514	0.093882	0.15794	0.371618	0.542124	0.055275	1.512956
1.31785	0.250978	0.045936	0.000346	0.985159	0.000921	1.595296	0.206571	0.060712	0.619154
0.04729	0.827848	-0.01203	0.980756	0.322012	-0.06799	0.015314	0.901513	0.008246	0.063266
0.078438	0.779425	0.015722	0.637984	0.424442	-0.05557	0.002572	0.959553	-0.00343	0.201152
0.07844	0.779423	0.01572	0.637982	0.424443	-0.05556	0.002572	0.959553	-0.00343	0.201152
0.722654	0.395275	-0.03064	0.007426	0.931328	-0.00386	0.401448	0.526342	0.027566	1.2717
0.272	0.601993	-0.01861	0.07965	0.777772	0.012514	0.62045	0.43088	0.033959	0.89137
3.36987	0.066399	0.066879	1.530532	0.216033	0.055944	2.05885	0.151324	0.06222	0.009356
2.189906	0.138918	-0.06872	0.960304	0.32711	-0.0564	4.147426	0.041698	-0.11256	3.113698
1.391326	0.238181	-0.04646	1.958728	0.161649	-0.06871	5.761672	0.01638	-0.11301	1.30004
0.04948	0.823971	0.012065	0.00574	0.939608	0.005107	2.03405	0.15381	0.092655	0.203352
0.01282	0.909852	-0.00698	0.784314	0.375825	0.068047	0.474606	0.490876	0.051103	0.161502
5.373602	0.020444	0.096971	0.909622	0.340215	0.049278	0.089576	0.764717	0.014748	0.35338
0.055138	0.814353	-0.01116	0.488066	0.484791	0.041232	0.02315	0.879068	0.008745	0.075178

HOMA-β	
p(SNP)	bSNP
0.964329	-0.00187
0.697656	-0.01422
0.725669	-0.01289
0.948809	0.002389
0.88179	0.006176
0.826208	-0.00855
0.760975	-0.01535
0.881975	0.010833
0.933379	-0.00307
0.516368	-0.5241
0.850939	-0.00693
0.807774	-0.01238
0.817515	0.00992
0.539582	0.024177
0.680345	-0.01518
0.843774	-0.00727
0.756853	-0.0157
0.807774	-0.01238
0.67845	0.02825
0.850939	-0.00693
0.880759	0.006392
0.453649	0.028344
0.526962	-0.02932
0.383521	0.039826
0.614581	-0.0234
0.778867	0.023182
0.549149	-0.02801
0.242009	0.046437
0.255235	0.045856
0.362021	0.047999
0.01234	0.090873
0.01234	0.090876
0.352069	-0.24882
0.632417	0.383864
0.459745	-0.16514
0.045293	-0.07202
0.464702	0.038032
0.558441	-0.14222
0.649891	-0.0774
0.906789	-0.03386
0.127084	0.185959
0.019225	0.085972
0.649891	-0.0774

0.01652	-0.08781
0.010866	0.092421
0.038551	-0.07661
0.003935	0.105426
0.958713	-0.00278
0.783388	-0.02032
0.060771	0.07454
0.065342	0.066323
0.884932	-0.00985
0.033895	0.077627
0.610889	-0.05324
0.18374	0.060332
0.18374	0.060331
0.256168	0.050617
0.526286	-0.03138
0.761894	-0.01358
0.896038	0.009106
0.383161	-0.05273
0.664734	-0.02018
0.754814	0.0452
0.777148	0.038602
0.192716	-0.08825
0.675697	0.058296
0.210556	-0.28196
0.360223	-0.07273
0.609227	-0.0423
0.921432	-0.01262
0.582726	-0.05315
0.100069	0.259967
0.568935	-0.0446
0.417912	-0.06379
0.854005	-0.01429
0.325877	-0.17667
0.230574	-0.21262
0.799477	-0.04176
0.778259	-0.02255
0.697275	0.043581
0.252894	-0.3567
0.402436	-0.07082
0.7756	-0.02278
0.081899	-0.1516
0.803347	-0.0183
0.81428	0.01603
0.424327	0.122755
0.542813	-0.02701
0.812377	0.011146
0.812377	0.011146



0.52433	0.02701
0.907203	-0.03379
0.811305	0.010137
0.430257	-0.03263
0.903701	-0.00495
0.560297	0.021668
0.453791	0.043448
0.46058	0.043937
0.130757	-0.06341
0.612962	0.018885
0.721511	-0.01523
0.503469	0.038763
0.791296	-0.01348
0.261178	-0.41501
0.218689	-0.09807
0.431362	-0.03307
0.801406	-0.01475
0.653793	-0.02662
0.653793	-0.02662
0.259448	-0.04306
0.345106	-0.03565
0.922944	0.003706
0.077636	0.085422
0.254206	0.047118
0.652029	0.025968
0.687777	0.026355
0.552206	0.025862
0.783942	-0.01376

SUPPLEMENTARY TABLE 2

No	SNP	Ever T2D				Incident T2D			
		age_b	age_p	sex_b	sex_p	age_b	age_p	sex_b	sex_p
1	rs1001646	-0.1196	0.2453	-0.0929	0.3929	-0.1712	0.2530	0.0777	0.5603
2	rs1010718	4.7076	0.0645	4.3590	0.5855	-0.9347	1.0000	4.1068	0.1199
3	rs1028294	-0.1668	0.3076	0.2525	0.1105	-0.2591	0.2760	0.4134	0.0383
4	rs1050529	-0.1086	0.3391	-0.0377	0.7306	-0.2251	0.1617	-0.0746	0.6106
5	rs1050529	-0.0444	0.7294	0.0414	0.7518	0.0465	0.8163	0.3306	0.0595
6	rs1050530	-0.2415	0.1711	-0.0488	0.6957	-0.7281	0.0103	0.0096	0.9293
7	rs1050531	0.0770	0.6052	0.0912	0.5388	0.2544	0.2590	0.4764	0.0199
8	rs1050531	0.0374	0.8121	0.0439	0.7739	0.2148	0.3709	0.3648	0.0960
9	rs1050531	-0.1209	0.5229	0.1792	0.3597	0.0886	0.7558	0.5027	0.0477
10	rs1155847	0.0219	0.8516	-0.1052	0.3912	0.2145	0.2278	-0.4132	0.0127
11	rs1177820	-0.1799	0.3531	0.2213	0.2779	0.1352	0.6330	0.5458	0.0297
12	rs1178113	-0.1541	0.4757	0.1187	0.6245	0.1563	0.6144	0.4560	0.0982
13	rs1178151	-0.0326	0.8708	0.1378	0.4990	0.1684	0.5597	0.5983	0.0219
14	rs1198590	-0.2545	0.0180	0.1110	0.3525	-0.5061	0.0015	0.0685	0.7126
15	rs1198617	0.1527	0.8331	0.5926	0.3778	-0.3390	1.0000	4.4948	0.0510
16	rs1199035	-0.6386	0.0388	-0.1995	0.5063	-0.7403	0.1444	-0.1265	0.8459
17	rs1267999	0.3819	0.3403	-0.6330	0.1921	4.7360	0.0106	-4.9665	0.1062
18	rs1268204	-0.0237	0.8683	-0.1177	0.4117	-0.0924	0.6712	-0.1678	0.4050
19	rs1326663	0.1172	0.3492	-0.0363	0.7957	0.3481	0.0552	-0.2696	0.1225
20	rs1326985	-0.0191	0.8988	-0.1551	0.3258	0.2331	0.2836	0.0327	0.8683
21	rs1348794	0.0314	0.8162	-0.2577	0.0535	0.2380	0.2320	-0.0545	0.7600
22	rs1374295	0.0428	0.7207	0.0777	0.5135	0.2568	0.1558	0.0188	0.9794
23	rs1394874	-0.1631	0.2092	0.0150	0.8841	-0.0864	0.6662	0.2151	0.2089
24	rs1394875	-0.2091	0.1467	0.0685	0.6806	-0.0871	0.6973	0.2806	0.1453
25	rs1446534	-0.0337	0.7670	0.0095	0.9450	-0.0270	0.8694	-0.0328	0.8282
26	rs1446538	0.0619	0.5743	0.2440	0.0230	0.0541	0.7475	0.2273	0.1261
27	rs1499430	0.1240	0.4132	-0.1941	0.2111	0.5130	0.0154	-0.0013	0.9011
28	rs1505521	-0.3458	0.0855	-0.0437	0.7557	-0.5846	0.0786	-0.0884	0.9197
29	rs1578978	-0.1032	0.3313	0.0798	0.4786	-0.0384	0.8069	0.1001	0.4780
30	rs1584217	-0.0110	0.9304	-0.1803	0.1528	-0.2290	0.2328	-0.0723	0.6485
31	rs1584220	-0.0518	0.7202	-0.1307	0.3576	-0.0874	0.6889	-0.2102	0.3033
32	rs1688924	5.9225	0.1630	-1.7808	1.0000	0.8845	0.9594	0.9521	0.8452
33	rs1688926	0.0238	0.8197	-0.1448	0.1700	-0.2553	0.1047	-0.1288	0.3570
34	rs1688929	0.0132	0.9083	-0.0285	0.8066	-0.0636	0.7036	-0.0505	0.7500
35	rs1688940	-0.1297	0.3396	0.0047	0.9872	-0.0050	0.9844	0.1991	0.2833
36	rs1688941	0.6074	0.3148	0.0901	0.9235	-1.1188	0.5444	3.4637	0.2848
37	rs1688943	0.6075	0.3137	0.0804	0.9112	-1.0820	0.5645	3.3236	0.2948
38	rs1688943	0.3989	0.4707	-0.0413	0.7009	-0.9670	0.9956	3.4762	0.2237
39	rs1688944	0.6619	0.1636	-0.5763	0.3283	0.3142	0.7011	-0.3034	0.7976
40	rs1688946	-4.2561	0.2913	-3.4605	0.4135	1.0925	0.9975	1.3100	0.9968
41	rs1688946	-0.2156	0.2009	0.0780	0.6410	-0.5132	0.0484	0.1068	0.4967
42	rs1773821	-0.1651	0.6123	0.4878	0.1290	-0.7534	0.1625	0.8446	0.0517
43	rs1774452	-0.0343	0.8131	-0.1472	0.3078	-0.0116	0.9493	-0.2614	0.2082
44	rs1774549	0.3925	0.7149	-1.7838	0.3268	1.4329	0.9647	1.6131	0.9316

45	rs1781354	-0.1703	0.1393	-0.0282	0.7561	-0.2572	0.1190	-0.1475	0.3278
46	rs1995222	0.1516	0.1757	0.0545	0.6092	0.3569	0.0298	0.0201	0.8747
47	rs2047962	-0.0316	0.7663	-0.0892	0.4070	-0.1321	0.3760	-0.0641	0.6446
48	rs2062947	0.1349	0.4627	-0.5588	0.0038	0.0667	0.7936	-0.3564	0.1413
49	rs2464577	0.1009	0.5724	0.0406	0.8307	0.0085	0.9733	0.1717	0.4927
50	rs2464592	0.0293	0.8049	-0.1066	0.3754	-0.1385	0.4401	0.0859	0.6125
51	rs2466291	-0.0014	0.9893	-0.0162	0.8840	-0.0513	0.7624	0.2054	0.1815
52	rs2466293	-0.0548	0.5996	0.0108	0.9412	0.0031	0.9825	0.0080	0.9531
53	rs2466295	0.0374	0.7447	0.0036	0.9732	-0.2136	0.2090	0.1504	0.3518
54	rs2466296	-0.0417	0.7522	0.0184	0.8945	-0.1631	0.4037	0.1287	0.4695
55	rs2466299	-0.0307	0.8164	0.0106	0.9403	-0.1538	0.4318	0.1157	0.5160
56	rs2466315	0.1009	0.5724	0.0406	0.8307	0.0085	0.9733	0.1717	0.4927
57	rs2466316	0.1436	0.4111	-0.0058	0.9764	0.0921	0.7153	0.0756	0.7455
58	rs2466318	-0.0033	0.9772	-0.0128	0.9093	-0.2735	0.1146	0.1383	0.3663
59	rs2649098	0.0856	0.5351	-0.0709	0.6108	0.1829	0.3732	-0.0160	0.9367
60	rs2921722	-0.0448	0.6583	-0.0362	0.7129	0.0608	0.6846	0.0690	0.6091
61	rs2921739	0.0474	0.6531	-0.1419	0.1851	-0.2291	0.1453	-0.1073	0.4267
62	rs2921752	0.1911	0.3510	0.2353	0.3169	-0.0880	0.7800	-0.1267	0.6830
63	rs2921755	0.0052	0.9599	-0.0525	0.6226	-0.2266	0.1511	-0.0107	0.9170
64	rs2938860	0.0472	0.7480	0.1380	0.3479	0.1818	0.3997	0.2821	0.1583
65	rs2938864	-0.0770	0.4463	-0.0399	0.7150	-0.0177	0.9043	0.0684	0.6189
66	rs3019880	0.0674	0.5197	-0.0281	0.7865	0.0779	0.6174	-0.1525	0.2849
67	rs3019889	-0.1249	0.4998	0.0565	0.7951	-0.2124	0.4767	-0.4031	0.1422
68	rs3020106	-0.0362	0.8103	-0.1533	0.3343	0.2397	0.2711	0.0523	0.7929
69	rs3020108	-0.0450	0.6572	-0.0364	0.7118	0.0608	0.6846	0.0690	0.6091
70	rs3020116	0.1297	0.2013	0.0153	0.8295	-0.0201	0.8897	-0.1570	0.2501
71	rs3020119	0.0292	0.7776	-0.0339	0.7463	0.0238	0.8757	-0.1975	0.1635
72	rs3020156	0.0579	0.5853	-0.1769	0.1004	-0.2590	0.1048	-0.1415	0.3239
73	rs3020164	0.0243	0.8164	-0.1461	0.1671	-0.2542	0.1068	-0.1282	0.3594
74	rs3020167	0.0430	0.7049	-0.0784	0.4837	-0.2533	0.1390	-0.0371	0.8595
75	rs3020168	0.0400	0.7022	-0.1497	0.1579	-0.2397	0.1280	-0.1546	0.2800
76	rs3020172	0.1754	0.3552	0.2561	0.2140	-0.1564	0.5862	0.0872	0.6791
77	rs3020176	0.0055	0.9676	-0.2314	0.0813	0.2485	0.2126	-0.0473	0.7914
78	rs3020178	0.0464	0.7159	-0.0801	0.5358	0.2346	0.2036	0.0002	0.9254
79	rs3020180	0.0227	0.8665	-0.2580	0.0552	0.2367	0.2374	-0.0600	0.7341
80	rs3590145	0.0000	1.0000	-0.1843	1.0000	0.0000	1.0000	1.2503	0.8824
81	rs3802177	0.0817	0.5147	-0.0834	0.5213	0.3217	0.0813	-0.3710	0.0317
82	rs4319130	-0.0501	0.7293	-0.1294	0.3636	-0.0874	0.6889	-0.2102	0.3033
83	rs4617186	-0.2209	0.0700	-0.0891	0.4292	-0.3181	0.0891	-0.0860	0.5895
84	rs6469667	-0.1080	0.2960	-0.0531	0.6175	-0.0531	0.7213	-0.0045	0.9707
85	rs6469668	-0.0667	0.5232	-0.0571	0.5976	-0.0664	0.6490	-0.0743	0.5909
86	rs6469674	-0.2354	0.2237	-0.0010	0.9352	-0.2729	0.3717	0.1193	0.6039
87	rs6469675	-0.0506	0.6870	0.0479	0.7058	0.0381	0.8437	0.3659	0.0279
88	rs6469681	-0.1375	0.3076	0.0182	0.9035	-0.3751	0.0642	0.1742	0.2970
89	rs6982630	-0.0070	0.9677	0.0597	0.7296	0.2796	0.2926	0.3770	0.1209
90	rs6984532	0.1462	0.8612	0.5744	0.4354	-0.2619	1.0000	4.3951	0.1017
91	rs6997684	-0.1358	0.2050	0.0078	0.9632	-0.1095	0.4881	0.0747	0.6111

92	rs6998120	0.1439	0.5136	-0.2744	0.2352	0.0701	0.8396	0.1105	0.6915
93	rs6999383	1.1650	0.9094	1.6044	1.0000	1.4726	0.9404	0.4056	0.9782
94	rs6999899	-0.1037	0.4230	0.0231	0.8468	-0.0795	0.6876	0.2476	0.1467
95	rs7000505	-0.0876	0.5085	0.0137	0.9312	0.0556	0.7900	0.2447	0.1842
96	rs7004119	0.2229	0.5588	0.0565	0.9190	0.2749	0.6393	0.4384	0.4097
97	rs7005140	0.1042	0.3505	0.0283	0.7901	0.3428	0.0348	-0.0585	0.7258
98	rs7011057	-0.1551	0.2328	0.0359	0.7617	-0.0938	0.6373	0.2247	0.1904
99	rs7016307	0.8845	1.0000	0.4158	0.9984	1.6675	0.9066	0.3543	0.9657
100	rs720131	-0.0210	0.8419	-0.0189	0.8505	-0.1840	0.2435	-0.0030	0.9630
101	rs720132	-0.0294	0.8048	0.1038	0.3692	0.0258	0.8853	0.0354	0.8326
102	rs720133	0.1158	0.2976	0.0270	0.8492	0.1710	0.2920	-0.0074	0.9445
103	rs7817754	-0.2461	0.0879	0.1433	0.3751	-0.0981	0.6499	0.3527	0.0610
104	rs7826859	0.6489	0.3764	0.2931	0.7828	-0.1639	1.0000	4.1928	0.0461
105	rs7827401	0.0108	0.9547	0.2479	0.1979	0.2820	0.3219	0.6060	0.0220
106	rs7828267	-0.1954	0.2189	0.1211	0.4270	-0.5927	0.0157	0.0231	0.6657
107	rs7828477	-0.0568	0.6550	-0.1250	0.3300	-0.2611	0.1813	-0.0387	0.8330
108	rs7831269	-0.0672	0.7389	0.3486	0.0862	0.2645	0.3596	0.6560	0.0147
109	rs7832958	-0.2689	0.1662	-0.0304	0.8169	-0.2878	0.3463	0.1004	0.6530
110	rs7833712	0.3987	0.3213	-0.5836	0.2315	4.7176	0.0113	-4.8235	0.1214
111	rs7833734	-0.1663	0.2305	-0.0213	0.8558	0.0080	0.9689	0.2057	0.2815
112	rs7840672	0.3928	0.4012	-0.1904	0.6521	0.1889	0.8122	-0.2350	0.8013
113	rs7843159	0.7255	0.3177	0.3323	0.7319	-0.1518	1.0000	4.0757	0.0420
114	rs7843392	9.6567	0.0017	-9.2169	0.2440	1.1060	0.9980	0.6444	0.9980
115	rs868651	-0.0649	0.6128	0.0365	0.7815	0.0391	0.8418	0.3326	0.0581
116	rs958637	0.0229	0.9270	0.2865	0.2537	-0.1087	0.7626	0.3691	0.2539
117	rs961630	0.1274	0.2911	-0.1497	0.2273	0.2111	0.2304	-0.0537	0.7651
118	rs9886445	-0.2138	0.1811	0.1774	0.2315	-0.5187	0.0340	0.1965	0.2302

Fasting glucose				Fasting insulin				2-hour	
age_b	age_p	sex_b	sex_p	age_b	age_p	sex_b	sex_p	age_b	age_p
0.0381	0.5748	0.0882	0.1488	0.0695	0.4047	-0.0100	0.8997	0.1063	0.1313
-0.0511	0.9465	-0.4980	0.2630	0.2519	0.7864	0.5983	0.2966	0.0177	0.9819
-0.0448	0.6784	-0.0713	0.4624	-0.0075	0.9552	-0.1372	0.2440	-0.1764	0.1186
-0.0031	0.9667	0.1274	0.0616	0.0262	0.7727	-0.0845	0.3237	0.1183	0.1228
0.0471	0.5823	-0.0442	0.5630	0.0790	0.4524	0.0820	0.3723	0.0459	0.6051
-0.0318	0.7981	0.0611	0.5766	0.1406	0.3607	0.1193	0.3385	-0.0347	0.7873
0.1110	0.2579	-0.0641	0.4675	-0.0205	0.8649	-0.0191	0.8539	0.1491	0.1454
0.1456	0.1591	-0.0818	0.4087	-0.0236	0.8526	0.0425	0.7138	0.2035	0.0601
0.2936	0.0165	0.0050	0.7766	-0.0329	0.8266	-0.0822	0.5255	0.0972	0.4485
0.0104	0.8925	-0.0103	0.8880	-0.1103	0.2471	0.0482	0.6015	-0.0186	0.8159
0.2395	0.0549	-0.0048	0.8450	-0.0838	0.5837	-0.0924	0.4593	0.0740	0.5717
0.2185	0.1180	0.0506	0.5529	-0.0658	0.7005	-0.0218	0.8500	0.1040	0.4728
0.1430	0.2697	0.0924	0.3584	-0.1148	0.4707	-0.0238	0.8129	0.1050	0.4340
0.0436	0.5344	-0.0540	0.4240	0.0958	0.2667	-0.0352	0.7091	0.1005	0.1678
-0.5846	0.4884	0.1694	0.5621	0.3970	0.7033	0.8560	0.1636	-0.7747	0.3651
0.0549	0.7957	0.0934	0.6082	0.3600	0.1653	0.0120	0.9726	-0.0243	0.9111
0.1309	0.6009	-0.3419	0.1451	0.0490	0.8732	0.0335	0.9095	0.2974	0.2608
-0.1508	0.1099	0.0354	0.7925	0.0982	0.3971	0.0179	0.8087	-0.2404	0.0130
0.0388	0.6311	-0.0128	0.8806	-0.0860	0.3872	-0.0136	0.8563	-0.1099	0.1872
0.1004	0.2917	-0.0128	0.8955	0.0566	0.6277	0.0999	0.3570	-0.0199	0.8415
-0.1047	0.2405	0.0752	0.3446	0.0089	0.9355	-0.0553	0.5686	-0.0338	0.7172
0.1649	0.0375	-0.0175	0.7737	-0.1261	0.1996	-0.0066	0.9713	-0.0087	0.9158
0.0948	0.2717	-0.0757	0.3176	0.1274	0.2294	0.0194	0.8296	-0.0487	0.5866
0.1544	0.1085	-0.0035	0.9870	0.0782	0.5076	0.0276	0.7756	-0.0197	0.8434
-0.0316	0.6740	0.0764	0.2860	-0.0440	0.6345	-0.0418	0.5965	0.1247	0.1160
0.0191	0.7955	-0.0621	0.3569	-0.0142	0.8746	-0.1307	0.1085	0.0646	0.3959
-0.1536	0.1133	0.0472	0.6395	0.0656	0.5839	0.1114	0.2863	0.0724	0.4694
-0.0792	0.5702	-0.0146	0.9284	0.2306	0.1765	0.2559	0.1031	-0.1246	0.3832
0.1134	0.1089	-0.0433	0.5207	0.0545	0.5310	0.0153	0.8353	0.1378	0.0623
0.0554	0.5169	0.1039	0.1508	-0.0922	0.3826	0.0570	0.5637	0.0539	0.5487
-0.1568	0.0972	0.0388	0.7637	0.0817	0.4824	0.0170	0.8282	-0.2323	0.0168
-0.0643	1.0000	0.2115	1.0000	-0.0710	1.0000	0.2685	1.0000	0.1624	1.0000
-0.0101	0.8853	0.0913	0.1533	0.0568	0.5134	0.0200	0.7413	0.0122	0.8670
-0.0363	0.6304	0.0764	0.2790	0.0030	0.9743	-0.0542	0.5275	0.0770	0.3334
0.1231	0.1777	-0.0528	0.5213	0.1042	0.3531	0.0676	0.5062	0.0479	0.6137
0.2920	0.5412	0.1959	0.6071	0.4827	0.4133	0.1663	0.7757	-0.0179	0.9706
0.3537	0.4560	0.1495	0.7391	0.5038	0.3880	0.1585	0.8058	0.0054	0.9911
0.3646	0.3830	0.2432	0.5477	0.2271	0.6573	0.3836	0.3623	0.5731	0.1746
-0.2185	0.4257	0.1039	0.7597	-0.1709	0.6120	0.6487	0.0309	0.1035	0.7114
-0.0056	0.9911	0.5968	0.2123	-0.6897	0.2805	1.0419	0.0571	0.1509	0.7682
0.0095	0.9331	-0.0617	0.5412	-0.0773	0.5820	-0.0324	0.8026	-0.1149	0.3348
-0.1149	0.5889	-0.4034	0.0426	-0.2332	0.3716	-0.4761	0.0545	-0.3073	0.1584
-0.1567	0.0978	0.0489	0.6829	0.0712	0.5409	0.0170	0.8337	-0.2419	0.0128
0.3045	0.7228	0.4120	0.5636	-0.0267	0.9798	1.0117	0.1799	0.1785	0.8378

-0.0159	0.8320	-0.0004	0.9856	-0.0409	0.6550	0.0724	0.4254	0.2330	0.0024
-0.0361	0.6152	-0.0043	0.9331	-0.0936	0.2867	0.0359	0.6851	-0.0588	0.4250
-0.0145	0.8322	0.0481	0.4507	0.0572	0.4958	0.0001	0.9694	0.0844	0.2342
-0.0718	0.5337	0.3121	0.0031	0.1828	0.2015	0.1204	0.2804	-0.0440	0.7123
-0.2051	0.0752	0.0712	0.5457	0.0141	0.9206	-0.0314	0.8092	-0.0888	0.4577
-0.1657	0.0376	0.0552	0.4838	0.0663	0.4986	0.0117	0.8745	-0.0703	0.3978
-0.1022	0.1745	0.0477	0.4779	0.0474	0.6091	-0.0623	0.4498	-0.0760	0.3305
0.1150	0.0963	0.0229	0.6860	0.1130	0.1843	0.0503	0.4951	0.1550	0.0313
-0.1712	0.0264	0.0230	0.7800	0.0338	0.7225	-0.0121	0.8940	-0.0621	0.4397
-0.1703	0.0516	-0.0113	0.8158	0.0054	0.9603	-0.0459	0.6291	-0.1455	0.1108
-0.1593	0.0691	-0.0238	0.6941	0.0049	0.9637	-0.0397	0.6775	-0.1414	0.1222
-0.2051	0.0752	0.0712	0.5457	0.0141	0.9206	-0.0314	0.8092	-0.0888	0.4577
-0.2100	0.0645	-0.0433	0.5978	0.0116	0.9335	-0.0972	0.4421	-0.1083	0.3578
-0.1433	0.0646	0.0355	0.6155	0.0792	0.4058	-0.0366	0.6735	-0.0664	0.4103
0.0715	0.4301	0.0320	0.6690	-0.0154	0.8894	0.1113	0.2679	-0.0445	0.6369
-0.0025	0.9703	0.0276	0.6601	-0.0135	0.8712	0.0344	0.6668	0.0522	0.4598
-0.0115	0.8704	0.0875	0.1736	0.0733	0.4025	0.0100	0.8176	0.0066	0.9288
-0.0293	0.8316	0.0346	0.7585	0.1731	0.3023	0.0987	0.6159	0.1632	0.2549
-0.0855	0.2232	0.1082	0.1119	0.0523	0.5476	-0.0531	0.5353	-0.0354	0.6274
0.0870	0.3822	0.0843	0.3281	0.0100	0.9344	0.0622	0.5655	0.0618	0.5518
0.0229	0.7322	0.0467	0.4391	-0.0071	0.9315	0.0651	0.3925	0.0547	0.4339
-0.0210	0.7613	-0.0277	0.6529	-0.0723	0.3929	-0.1713	0.0256	-0.1058	0.1425
-0.0630	0.6080	0.0485	0.6825	0.0060	0.9687	0.0279	0.8510	-0.0875	0.4916
0.0774	0.4190	0.0005	0.9803	0.0507	0.6664	0.0912	0.4022	-0.0130	0.8963
-0.0025	0.9703	0.0275	0.6618	-0.0135	0.8709	0.0344	0.6675	0.0522	0.4602
0.0084	0.8998	0.0360	0.5531	-0.0323	0.6956	-0.0776	0.2943	-0.0426	0.5445
-0.0073	0.9159	-0.0165	0.7893	-0.0346	0.6831	-0.1216	0.1136	-0.0909	0.2080
-0.0194	0.7851	0.0979	0.1299	0.0502	0.5681	-0.0229	0.8147	-0.0086	0.9077
-0.0099	0.8876	0.0913	0.1531	0.0567	0.5136	0.0200	0.7413	0.0124	0.8645
0.0597	0.4412	0.0987	0.1401	-0.0060	0.9502	0.0240	0.7748	0.1136	0.1615
-0.0061	0.9307	0.0895	0.1597	0.0605	0.4875	0.0157	0.7808	0.0149	0.8380
0.0382	0.7673	0.0483	0.7067	0.2129	0.1781	-0.0592	0.5779	0.2430	0.0704
-0.1089	0.2216	0.0779	0.3222	0.0018	0.9868	-0.0372	0.7004	-0.0435	0.6399
0.0811	0.3347	0.0465	0.5973	0.0419	0.6855	0.0633	0.5330	0.0609	0.4867
-0.0987	0.2715	0.0726	0.3621	0.0007	0.9951	-0.0704	0.4733	-0.0388	0.6795
0.0000	1.0000	-0.2608	1.0000	0.0000	1.0000	0.2580	1.0000	0.0000	1.0000
0.0061	0.9405	0.0045	0.9511	-0.1371	0.1716	0.0310	0.7679	-0.0999	0.2349
-0.1573	0.0966	0.0389	0.7631	0.0830	0.4758	0.0184	0.8181	-0.2335	0.0163
0.0148	0.8563	-0.0320	0.6651	0.0432	0.6676	-0.0275	0.7635	0.1685	0.0462
0.0182	0.7907	0.0811	0.1922	-0.0245	0.7722	0.0075	0.9341	0.0813	0.2582
-0.0137	0.8389	0.0219	0.7301	0.0375	0.6510	0.0696	0.3504	0.0318	0.6508
-0.1160	0.3955	-0.1070	0.3718	0.2081	0.2147	0.2432	0.0978	-0.1926	0.1680
0.0647	0.4426	-0.0858	0.2541	0.0785	0.4502	0.0874	0.3291	0.1095	0.2107
-0.0595	0.5124	0.0594	0.4739	0.1080	0.3333	-0.0340	0.7578	-0.0304	0.7499
0.2828	0.0129	-0.0489	0.7190	-0.0167	0.9044	-0.0637	0.6027	0.1446	0.2243
-0.3440	0.6985	0.4021	0.3382	0.8352	0.4469	1.2790	0.0867	-0.0118	0.9895
-0.0402	0.5619	-0.0122	0.8416	0.0313	0.7130	-0.0164	0.8353	0.1048	0.1460

-0.1016	0.5064	0.2119	0.1429	0.2874	0.1272	0.0497	0.6013	0.1497	0.3623
-0.1650	0.8606	0.7005	0.2961	1.3111	0.2597	1.3205	0.3239	-0.4619	0.6274
0.0430	0.6165	-0.0326	0.6653	0.1039	0.3244	0.0169	0.8446	-0.0080	0.9284
0.0595	0.4979	-0.0538	0.5073	0.1051	0.3289	0.0726	0.4338	0.0328	0.7183
-0.1603	0.4773	-0.2116	0.3048	-0.0939	0.7331	0.1185	0.6010	-0.1135	0.6236
0.0047	0.9475	-0.0190	0.7714	-0.0502	0.5645	-0.0524	0.5000	-0.0061	0.9336
0.0906	0.2945	-0.0685	0.3665	0.1294	0.2238	0.0264	0.7724	-0.0474	0.5977
-0.2586	1.0000	-0.1563	0.7826	0.0547	1.0000	0.1378	0.8420	-0.2012	1.0000
-0.0715	0.3109	0.0936	0.1694	0.0573	0.5127	-0.0211	0.8395	-0.0061	0.9343
0.1090	0.1758	-0.0759	0.2914	-0.0955	0.3393	-0.0302	0.7319	0.0051	0.9511
-0.0318	0.6618	-0.0217	0.7435	0.0812	0.3605	0.0214	0.7972	0.0528	0.4849
0.0186	0.8467	-0.0572	0.5127	0.0885	0.4539	0.0731	0.4653	-0.0951	0.3402
-0.6568	0.4186	0.0160	0.8021	0.3173	0.7522	0.3780	0.3570	-0.9365	0.2551
0.2698	0.0272	-0.0204	0.9786	0.0136	0.9276	-0.1601	0.2354	0.1015	0.4286
0.0259	0.8122	0.0052	0.9686	0.0097	0.9425	0.0351	0.7742	-0.0513	0.6484
0.0550	0.5225	0.1257	0.0892	-0.0657	0.5364	0.0393	0.6848	0.0252	0.7800
0.1620	0.1963	-0.0293	0.9115	0.0278	0.8569	-0.1564	0.2745	0.1295	0.3275
-0.1223	0.3721	-0.1167	0.3353	0.2203	0.1903	0.2501	0.0917	-0.1978	0.1588
0.1401	0.5913	-0.3389	0.1505	0.1383	0.6648	0.1255	0.7003	0.2652	0.3399
0.1516	0.1033	-0.0367	0.6718	0.0989	0.3857	0.0350	0.7315	0.0108	0.9109
-0.2966	0.2776	-0.0205	0.8355	-0.2028	0.5478	0.8168	0.0075	-0.0297	0.9158
-0.6961	0.3893	0.0113	0.8163	0.1960	0.8446	0.2542	0.5150	-1.0042	0.2196
1.3242	0.0817	-0.0996	0.9470	0.7097	0.4447	-0.0866	0.9669	0.1961	0.8016
0.0748	0.3811	-0.0339	0.6591	0.0566	0.5893	0.0787	0.3936	0.0257	0.7712
0.1149	0.4782	0.1766	0.1867	-0.2119	0.2891	0.1979	0.3044	0.2800	0.1019
-0.0466	0.5522	0.0676	0.3472	-0.0334	0.7274	0.0305	0.7341	-0.1177	0.1469
-0.0562	0.6006	-0.0195	0.8589	-0.0096	0.9422	-0.0873	0.4578	-0.1214	0.2798

glucose		2-hour insulin				HOMA-IR			
sex_b	sex_p	age_b	age_p	sex_b	sex_p	age_b	age_p	sex_b	sex_p
0.0473	0.4467	0.1063	0.2207	0.0364	0.6301	0.0746	0.3383	0.0102	0.8804
0.5210	0.2473	0.1637	0.8654	0.0835	0.9145	0.2372	0.7854	0.4629	0.3947
0.0379	0.6408	0.1315	0.3467	0.0169	0.9252	-0.0284	0.8192	-0.1330	0.2278
0.0120	0.7828	0.1418	0.1349	-0.0047	0.9548	0.0276	0.7452	-0.0559	0.4897
0.0150	0.8432	0.1457	0.1829	0.0498	0.5922	0.0769	0.4339	0.0755	0.3792
0.0920	0.4118	0.1740	0.2734	0.2311	0.0810	0.1140	0.4276	0.1119	0.3406
-0.0179	0.8563	0.0938	0.4577	-0.1400	0.2035	0.0097	0.9318	-0.0140	0.8881
0.0235	0.7493	0.1557	0.2418	-0.0831	0.5061	0.0144	0.9032	0.0397	0.7033
-0.0365	0.8016	0.0559	0.7237	-0.1089	0.4526	0.0239	0.8646	-0.0499	0.7036
-0.0403	0.5878	-0.0692	0.4844	0.0638	0.4955	-0.1031	0.2467	0.0373	0.6676
-0.0605	0.6509	0.0275	0.8650	-0.1241	0.3978	-0.0305	0.8310	-0.0570	0.6387
0.0434	0.6619	-0.0488	0.7848	-0.0134	0.9049	-0.0202	0.8997	0.0121	0.9436
-0.0258	0.8863	-0.0626	0.7072	-0.1042	0.4443	-0.0777	0.6016	0.0133	0.9566
0.0828	0.1853	0.1423	0.1156	0.0389	0.5746	0.0953	0.2374	-0.0479	0.5686
0.0600	0.6852	0.2872	0.7829	0.4870	0.4434	0.1775	0.8548	0.8441	0.1234
0.1150	0.5180	-0.0116	0.9653	-0.1946	0.3850	0.3156	0.1933	0.0268	0.9608
0.1138	0.6946	0.2188	0.5017	-0.1631	0.5575	0.0763	0.7905	-0.0576	0.8289
-0.0487	0.4452	-0.1524	0.2025	-0.1881	0.0703	0.0497	0.6465	0.0168	0.8356
-0.0704	0.3403	-0.1006	0.3297	0.0424	0.6820	-0.0754	0.4168	-0.0155	0.8321
0.0003	0.9975	0.0302	0.8048	0.0957	0.3976	0.0799	0.4636	0.0965	0.3388
0.0306	0.7050	0.1102	0.3402	0.0029	0.9751	-0.0200	0.8451	-0.0401	0.6553
0.0527	0.4784	-0.0838	0.4153	0.0511	0.5488	-0.0860	0.3490	-0.0010	0.9869
0.0545	0.4823	0.0837	0.4485	0.0885	0.3525	0.1238	0.2119	0.0173	0.8373
0.0062	0.9496	0.1143	0.3520	0.0658	0.5223	0.0903	0.4129	0.0405	0.6602
0.0195	0.7102	0.0738	0.4530	-0.0250	0.8244	-0.0400	0.6436	-0.0268	0.7076
-0.0936	0.1861	0.0603	0.5240	-0.1473	0.0888	-0.0192	0.8196	-0.1275	0.0932
0.0440	0.5987	0.1272	0.3061	0.0443	0.6463	0.0260	0.8165	0.1144	0.2502
0.0625	0.5914	0.2362	0.1791	0.3382	0.0343	0.1742	0.2750	0.2263	0.1205
-0.0140	0.8594	0.1005	0.2722	-0.0762	0.3653	0.0782	0.3360	0.0076	0.9003
0.0092	0.8908	-0.1247	0.2617	0.0229	0.8389	-0.0619	0.5304	0.0716	0.4210
-0.0682	0.3382	-0.1472	0.2194	-0.2195	0.0386	0.0338	0.7561	0.0165	0.8501
0.0621	1.0000	-0.0393	1.0000	-0.0485	1.0000	0.2524	1.0000	0.1207	1.0000
-0.0455	0.4975	-0.0543	0.5467	-0.1227	0.1145	0.0506	0.5325	0.0358	0.5746
0.0332	0.6251	0.0531	0.5918	-0.0025	0.9937	-0.0003	0.9964	-0.0381	0.6332
0.0217	0.7987	0.1615	0.1665	0.0278	0.7900	0.1105	0.2920	0.0628	0.5082
0.1213	0.7032	0.6074	0.3061	0.1779	0.7889	0.4549	0.4083	0.1775	0.7306
0.0936	0.7722	0.5549	0.3463	0.2172	0.7100	0.4888	0.3692	0.1600	0.7853
0.9270	0.0078	0.3752	0.4701	0.5394	0.2127	0.2432	0.6111	0.3764	0.3426
0.0045	0.9378	0.0335	0.9220	0.3393	0.2472	-0.1675	0.5945	0.5920	0.0358
-0.9159	0.0560	-0.5668	0.4373	-0.4088	0.5312	-0.5993	0.3152	1.0188	0.0491
0.0334	0.7153	0.1817	0.2179	0.0677	0.6370	-0.0751	0.5669	-0.0404	0.7368
-0.3473	0.0998	-0.0830	0.7606	-0.4453	0.0737	-0.2198	0.3675	-0.4836	0.0363
-0.0607	0.3747	-0.1612	0.1792	-0.2115	0.0449	0.0251	0.8175	0.0182	0.8430
-0.7383	0.2210	0.5185	0.6241	-0.4820	0.4515	-0.0069	0.9945	0.9588	0.1752



0.0477	0.4172	0.0638	0.5058	0.0252	0.7522	-0.0335	0.6959	0.0521	0.5408
-0.1502	0.0246	-0.1268	0.1646	-0.0925	0.2510	-0.0932	0.2570	0.0414	0.6121
0.0335	0.5622	0.1221	0.1630	0.0878	0.2394	0.0559	0.4761	0.0058	0.9053
0.0836	0.4529	0.1150	0.4408	0.1082	0.3679	0.1485	0.2669	0.1607	0.1428
0.0268	0.8283	-0.1350	0.3591	0.0011	0.9734	-0.0218	0.8691	-0.0189	0.8686
0.0411	0.5860	-0.0596	0.5618	0.0877	0.3403	0.0234	0.7980	0.0195	0.8039
0.0777	0.2536	0.0304	0.7530	0.0874	0.3032	0.0202	0.8158	-0.0417	0.5871
0.0288	0.6278	0.1222	0.1733	-0.0179	0.8530	0.1324	0.0960	0.0505	0.4589
0.0733	0.3011	0.0011	0.9912	0.0871	0.3168	-0.0056	0.9499	-0.0100	0.8972
0.0368	0.6764	-0.0535	0.6352	0.0717	0.4724	-0.0364	0.7173	-0.0461	0.5915
0.0307	0.7339	-0.0454	0.6881	0.0783	0.4312	-0.0342	0.7347	-0.0433	0.6154
0.0268	0.8283	-0.1350	0.3591	0.0011	0.9734	-0.0218	0.8691	-0.0189	0.8686
0.0736	0.5164	-0.1341	0.3555	0.0317	0.8451	-0.0290	0.8241	-0.0985	0.3951
0.0932	0.1856	0.0013	0.9898	0.0742	0.3956	0.0407	0.6478	-0.0267	0.7398
0.1286	0.1323	0.0179	0.8789	0.0951	0.3543	-0.0059	0.9545	0.1006	0.2817
0.0619	0.3109	0.0812	0.3526	0.0764	0.3012	-0.0038	0.9609	0.0391	0.5908
-0.0350	0.6020	-0.0456	0.6152	-0.1212	0.1215	0.0630	0.4404	0.0281	0.6325
0.0824	0.6283	0.2414	0.1829	0.0882	0.6917	0.1472	0.3485	0.0933	0.6010
-0.0971	0.1272	-0.0822	0.3657	-0.1426	0.0651	0.0295	0.7162	-0.0261	0.7479
0.1247	0.1655	0.0156	0.9035	-0.0054	0.9663	0.0255	0.8226	0.0781	0.4380
0.0805	0.1943	0.0529	0.5396	0.1025	0.1814	0.0047	0.9508	0.0711	0.3136
-0.1028	0.1033	-0.1799	0.0426	-0.1499	0.0515	-0.0738	0.3510	-0.1595	0.0257
-0.1558	0.2029	-0.1979	0.2066	-0.1240	0.4092	-0.0122	0.9314	0.0377	0.7859
-0.0024	0.9783	0.0334	0.7865	0.0574	0.6144	0.0703	0.5216	0.0907	0.3700
0.0620	0.3107	0.0812	0.3528	0.0763	0.3020	-0.0038	0.9607	0.0390	0.5918
-0.0651	0.2864	-0.1099	0.2063	-0.1498	0.0452	-0.0346	0.6531	-0.0697	0.3100
-0.0866	0.1691	-0.1265	0.1537	-0.1337	0.0854	-0.0376	0.6356	-0.1156	0.1067
-0.0624	0.3397	-0.0599	0.5116	-0.1554	0.0494	0.0420	0.6093	-0.0013	0.9733
-0.0456	0.4975	-0.0543	0.5467	-0.1227	0.1144	0.0506	0.5324	0.0358	0.5744
0.0095	0.8903	-0.0141	0.8894	-0.0134	0.8762	0.0150	0.8671	0.0427	0.5815
-0.0473	0.4831	-0.0530	0.5567	-0.1206	0.1213	0.0546	0.5018	0.0318	0.6104
0.0117	0.9403	0.2994	0.0768	-0.0971	0.4253	0.1988	0.1789	-0.0414	0.6515
0.0336	0.6742	0.1069	0.3541	0.0241	0.8141	-0.0281	0.7837	-0.0233	0.7940
-0.0027	0.9263	0.0529	0.6251	0.0154	0.9116	0.0563	0.5602	0.0669	0.4862
0.0425	0.6008	0.1008	0.3865	0.0158	0.8806	-0.0270	0.7947	-0.0552	0.5458
-0.5611	1.0000	0.0000	1.0000	-0.0434	1.0000	0.0000	1.0000	0.2068	1.0000
-0.0391	0.5960	-0.1490	0.1524	0.0799	0.4277	-0.1286	0.1699	0.0261	0.7937
-0.0691	0.3341	-0.1466	0.2220	-0.2172	0.0410	0.0350	0.7478	0.0177	0.8406
-0.0592	0.4370	-0.0192	0.8550	-0.1680	0.0736	0.0472	0.6160	-0.0316	0.7123
0.0399	0.5134	0.0587	0.5089	0.0589	0.4484	-0.0113	0.8865	0.0237	0.7496
0.0446	0.4756	0.0700	0.4202	0.1091	0.1575	0.0368	0.6339	0.0649	0.3507
0.0807	0.4933	0.1297	0.4521	0.2907	0.0522	0.1434	0.3608	0.1972	0.1498
0.0136	0.8383	0.1965	0.0683	-0.0019	0.9798	0.0769	0.4283	0.0737	0.3771
0.0761	0.3685	0.1013	0.3896	0.0847	0.4141	0.0814	0.4352	-0.0158	0.8845
-0.0395	0.7440	0.0861	0.5573	-0.1724	0.1873	0.0400	0.7590	-0.0505	0.6745
0.8069	0.1169	1.0813	0.3241	1.2656	0.1135	0.5799	0.5706	1.2321	0.0623
-0.0105	0.8786	0.0791	0.3749	0.0032	0.9711	0.0304	0.7019	-0.0185	0.8017

0.0569	0.5888	-0.0133	0.9474	0.1057	0.5481	0.2441	0.1656	0.0941	0.4193
0.4352	0.4204	0.5707	0.6221	1.1450	0.2830	1.0372	0.3384	1.2289	0.2897
0.0334	0.6630	0.1066	0.3320	0.0594	0.5211	0.0932	0.3444	0.0200	0.8070
0.0256	0.7434	0.1569	0.1612	0.0833	0.3789	0.1027	0.3077	0.0666	0.4411
0.1429	0.4514	0.0000	1.0000	0.1711	0.4847	-0.1048	0.6844	0.0915	0.6588
-0.1475	0.0275	-0.0534	0.5551	-0.1086	0.1844	-0.0465	0.5687	-0.0379	0.5983
0.0612	0.4304	0.0842	0.4467	0.0924	0.3322	0.1246	0.2104	0.0250	0.7687
-0.4548	0.4340	-0.1499	1.0000	0.2077	0.7701	0.1299	1.0000	0.0968	0.8810
-0.0662	0.3109	-0.0668	0.4649	-0.1309	0.0933	0.0363	0.6570	-0.0006	0.9705
0.0679	0.3541	-0.0208	0.8411	-0.0182	0.8448	-0.0690	0.4588	-0.0339	0.6812
0.0287	0.6760	0.1737	0.0612	0.1512	0.0736	0.0678	0.4150	0.0089	0.9110
0.0103	0.9476	0.0738	0.5478	0.0905	0.3867	0.0725	0.5111	0.0700	0.4575
0.1392	0.4711	0.2311	0.8175	0.3803	0.3516	0.0968	0.9176	0.3489	0.3362
-0.0688	0.5943	0.0676	0.6683	-0.1805	0.2068	0.0587	0.6749	-0.1194	0.3608
0.0867	0.3749	0.1652	0.2358	0.1786	0.1713	0.0098	0.9378	0.0283	0.8054
0.0127	0.8678	-0.1585	0.1558	0.0292	0.7729	-0.0384	0.6986	0.0629	0.4739
-0.0599	0.6967	0.0906	0.5774	-0.1727	0.2606	0.0526	0.7155	-0.1162	0.3987
0.0639	0.5802	0.1233	0.4753	0.2780	0.0650	0.1539	0.3282	0.2032	0.1414
0.0726	0.8819	0.0988	0.7727	-0.2906	0.3297	0.1593	0.5936	0.0266	0.9591
0.0005	0.9950	0.1183	0.3189	0.0051	0.9559	0.1111	0.2972	0.0391	0.6814
0.2676	0.2899	-0.1354	0.6941	0.5029	0.1110	-0.2112	0.5029	0.7359	0.0103
0.0931	0.5597	0.1194	0.9046	0.2713	0.4830	-0.0221	0.9811	0.2348	0.4886
-0.1594	0.7352	0.6920	0.4699	-0.1506	0.8726	0.8732	0.3150	-0.1115	0.9500
0.0145	0.8498	0.1184	0.2776	0.0506	0.5901	0.0616	0.5299	0.0751	0.3828
0.1201	0.2999	-0.1568	0.4571	0.0815	0.7173	-0.1509	0.4190	0.2207	0.2042
0.0979	0.1990	-0.0819	0.4143	0.0787	0.3989	-0.0373	0.6771	0.0342	0.6836
0.0747	0.3949	0.1493	0.2838	0.0720	0.6036	-0.0278	0.8219	-0.0838	0.4490

HOMA-β			
age_b	age_p	sex_b	sex_p
-0.0040	0.9567	-0.0341	0.6088
0.0526	0.9503	0.5123	0.2913
-0.0071	0.9519	0.0643	0.5351
0.0391	0.6253	-0.1287	0.0875
0.0253	0.7868	0.1314	0.1086
-0.0679	0.6166	-0.1163	0.3081
-0.0068	0.9495	0.1440	0.1223
-0.0443	0.6942	0.1740	0.0840
-0.0560	0.6728	0.2069	0.0869
0.1364	0.1045	0.0736	0.3345
-0.0085	0.9500	0.2376	0.0518
-0.0550	0.7165	0.1410	0.3082
0.0111	0.9374	0.0639	0.5988
-0.1256	0.0999	-0.0070	0.8430
0.4527	0.6129	-0.2941	0.4516
-0.1075	0.6421	0.0666	0.7098
-0.1496	0.5837	0.2698	0.2870
-0.0015	0.9884	-0.0618	0.5178
0.0729	0.4056	0.0694	0.3773
0.0394	0.7039	0.0895	0.3502
0.1554	0.1109	-0.0879	0.3186
-0.1086	0.2094	0.0519	0.4858
-0.0680	0.4696	0.1633	0.0466
-0.0015	0.9884	0.1731	0.0633
0.0303	0.7117	-0.0677	0.3871
0.0196	0.8055	0.0123	0.8574
0.0853	0.4197	-0.1236	0.2116
0.0703	0.6428	0.0636	0.6497
-0.1203	0.1187	0.0064	0.9587
-0.0520	0.5748	-0.0548	0.4761
0.0030	0.9766	-0.0661	0.4945
-0.1026	1.0000	-0.1374	1.0000
-0.0700	0.3593	-0.0707	0.2586
0.0259	0.7539	-0.0827	0.2792
-0.0157	0.8745	0.1732	0.0530
-0.3515	0.4915	-0.2553	0.5298
-0.3985	0.4336	-0.2090	0.6401
-0.4005	0.3755	-0.2872	0.5042
-0.0462	0.8762	-0.1913	0.4442
0.0604	0.9144	-0.6777	0.1942
-0.0701	0.5695	0.0554	0.6055
-0.0118	0.9596	0.2647	0.2130
0.0034	0.9739	-0.0760	0.4341
-0.3900	0.6688	-0.5763	0.4525

0.0188	0.8176	-0.0526	0.5082
0.1306	0.0933	0.1181	0.0874
0.0215	0.7726	-0.0682	0.3267
0.1325	0.2975	-0.3130	0.0078
0.0958	0.4459	-0.1562	0.1763
0.0835	0.3375	-0.0339	0.6846
0.0433	0.5989	-0.0387	0.5937
-0.1285	0.0887	-0.0640	0.3231
0.0778	0.3563	-0.0285	0.7193
0.1121	0.2418	-0.0262	0.7868
0.1008	0.2932	-0.0140	0.8989
0.0958	0.4459	-0.1562	0.1763
0.1366	0.2705	-0.0496	0.6936
0.0512	0.5452	-0.0393	0.6021
-0.1135	0.2510	-0.0784	0.3430
0.0605	0.4097	0.0073	0.8607
-0.0700	0.3616	-0.0671	0.2790
-0.0902	0.5493	-0.1572	0.2820
0.0665	0.3855	-0.1006	0.1712
-0.0428	0.6917	0.0077	0.9433
0.0453	0.5349	-0.0110	0.8890
-0.0056	0.9407	0.0085	0.9039
-0.0411	0.7597	0.0216	0.8711
0.0626	0.5489	0.0785	0.4123
0.0606	0.4096	0.0074	0.8591
-0.0516	0.4805	-0.0605	0.3362
-0.0312	0.6786	0.0000	0.9878
-0.0599	0.4371	-0.0803	0.2164
-0.0701	0.3582	-0.0707	0.2584
-0.0928	0.2708	-0.0848	0.2347
-0.0731	0.3380	-0.0699	0.2623
-0.1438	0.3093	-0.1334	0.3505
0.1585	0.1034	-0.0918	0.2900
-0.0291	0.7517	-0.0214	0.8212
0.1513	0.1235	-0.0828	0.3477
0.0000	1.0000	0.2678	1.0000
0.1079	0.2218	0.0491	0.5288
0.0033	0.9743	-0.0668	0.4905
-0.0753	0.4010	0.0112	0.8930
0.0580	0.4379	-0.0315	0.6677
0.0439	0.5492	-0.0435	0.5356
0.0944	0.5249	0.1477	0.2510
0.0534	0.5599	0.1925	0.0158
0.0036	0.9707	-0.0018	0.9845
-0.0663	0.5911	0.2223	0.0443
0.1759	0.8519	-0.5610	0.2653
0.0946	0.2081	0.0304	0.6525

0.0107	0.9486	-0.0091	0.9581
0.0431	0.9655	-0.7589	0.3107
-0.0065	0.9448	0.1124	0.1654
0.0091	0.9246	0.1508	0.0767
0.1200	0.6277	0.1773	0.4283
0.1415	0.0669	0.1525	0.0268
-0.0637	0.4987	0.1561	0.0574
0.0759	1.0000	0.1923	0.7562
0.0449	0.5602	-0.0843	0.2482
-0.0556	0.5268	0.0958	0.2195
-0.0038	0.9615	-0.0180	0.8026
0.0908	0.3846	0.1915	0.0352
0.5713	0.5069	-0.0749	0.6946
-0.0326	0.8058	0.2266	0.0580
-0.1173	0.3217	-0.0848	0.4640
-0.0565	0.5448	-0.0792	0.3192
0.0202	0.8825	0.2145	0.0800
0.0969	0.5153	0.1545	0.2337
-0.1645	0.5629	0.2623	0.2956
-0.0097	0.9240	0.1917	0.0359
0.0021	0.9942	0.0072	0.9778
0.6121	0.4749	-0.0574	0.7307
-1.3739	0.1000	-0.0201	0.7053
0.0276	0.7672	0.1486	0.0692
0.0463	0.7938	0.0366	0.7927
-0.0125	0.8834	-0.1404	0.0637
0.0068	0.9532	-0.0076	0.9388

SUPPLEMENTARY TABLE 3

Model	BIC	Loglike	H2r	SE	bsnp_rs2938864	SE	bsnp_rs1001646
cov0	0	-644.099	0.6506335	0	0	0	0
cov9	2.799	-641.893	0.6568594	0	0	0	0
cov10	2.8645	-641.926	0.6577182	0	0	0	0
cov2	3.1002	-642.044	0.6513084	0	0	0	0.12280941
cov4	3.4645	-642.226	0.6508513	0	0	0	0
cov6	3.7831	-642.386	0.6563746	0	0	0	0
cov7	3.8745	-642.431	0.6505738	0	0	0	0
cov8	3.9674	-642.478	0.6505308	0	0	0	0
cov1	4.1665	-642.577	0.6566502	0	0.10614582	0	0
cov5	5.6132	-643.301	0.6523843	0	0	0	0
cov11	5.9333	-643.461	0.6503208	0	0	0	0
cov3	6.5832	-643.786	0.6481542	0	0	0	0
cov2_7	7.2906	-640.535	0.6523882	0	0	0	0.11822043
cov7_9	7.3647	-640.572	0.6556852	0	0	0	0
cov2_8	7.3781	-640.578	0.652335	0	0	0	0.11830478
cov7_10	7.4187	-640.599	0.6565204	0	0	0	0
cov8_9	7.4528	-640.616	0.6556638	0	0	0	0
cov4_10	7.4547	-640.617	0.656739	0	0	0	0
cov4_9	7.4648	-640.622	0.6558806	0	0	0	0
cov8_10	7.5069	-640.643	0.6564999	0	0	0	0
cov6_7	8.1268	-640.953	0.6570066	0	0	0	0
cov4_7	8.1455	-640.962	0.6515395	0	0	0	0
cov4_8	8.2228	-641.001	0.6514937	0	0	0	0
cov6_8	8.2241	-641.001	0.6569483	0	0	0	0
cov3_9	8.3134	-641.046	0.6522408	0	0	0	0
cov2_9	8.3315	-641.055	0.6559333	0	0	0	0.085569186
cov2_10	8.3452	-641.062	0.6566445	0	0	0	0.08655581
cov3_10	8.352	-641.065	0.6531891	0	0	0	0
cov1_7	8.4513	-641.115	0.6573758	0	0.099163941	0	0
cov1_8	8.5369	-641.158	0.657328	0	0.099297468	0	0
cov6_9	9.0191	-641.399	0.658846	0	0	0	0
cov6_10	9.0289	-641.404	0.6596066	0	0	0	0
cov2_3	9.0953	-641.437	0.6489997	0	0	0	0.13285509
cov5_9	9.1302	-641.454	0.6576566	0	0	0	0
cov5_10	9.1367	-641.458	0.6585357	0	0	0	0
cov1_9	9.157	-641.468	0.6592813	0	0.062341699	0	0
cov1_10	9.1696	-641.474	0.6600707	0	0.063869964	0	0
cov7_11	9.2196	-641.499	0.6510568	0	0	0	0
cov8_11	9.3238	-641.551	0.6509964	0	0	0	0
cov5_7	9.6189	-641.699	0.6533035	0	0	0	0
cov5_8	9.7076	-641.743	0.6532504	0	0	0	0
cov9_11	9.7588	-641.769	0.6565377	0	0	0	0
cov10_11	9.7987	-641.789	0.65733	0	0	0	0
cov3_6	9.8729	-641.826	0.6542969	0	0	0	0
cov9_10	10.0012	-641.89	0.6571005	0	0	0	0

cov2_4	10.0489	-641.914	0.6511971	0	0	0	0.080670476
cov4_5	10.0752	-641.927	0.6486932	0	0	0	0
cov2_6	10.1454	-641.962	0.6530938	0	0	0	0.091047655
cov4_6	10.1675	-641.973	0.6538662	0	0	0	0
cov2_5	10.1946	-641.987	0.6507369	0	0	0	0.14519078
cov2_11	10.2173	-641.998	0.651682	0	0	0	0.1393044
cov1_3	10.29	-642.034	0.6545964	0	0.11512543	0	0
cov1_2	10.3046	-642.042	0.651728	0	0.007887272	0	0.11620718
cov3_4	10.4074	-642.093	0.6495112	0	0	0	0
cov1_4	10.4451	-642.112	0.653267	0	0.042810572	0	0
cov4_11	10.6714	-642.225	0.6508087	0	0	0	0
cov3_7	10.6906	-642.235	0.653323	0	0	0	0
cov3_8	10.8207	-642.3	0.6530821	0	0	0	0
cov5_6	10.9013	-642.34	0.6569116	0	0	0	0
cov6_11	10.9084	-642.343	0.6574478	0	0	0	0
cov7_8	10.9565	-642.368	0.6506712	0	0	0	0
cov1_6	10.9744	-642.376	0.6565346	0	0.019969378	0	0
cov1_5	11.1285	-642.454	0.6582076	0	0.15904414	0	0
cov1_11	11.2829	-642.531	0.6580728	0	0.1278485	0	0
cov3_11	11.9688	-642.874	0.6469306	0	0	0	0
cov3_5	12.3522	-643.065	0.6504844	0	0	0	0
cov4_7_10	12.5577	-639.563	0.6564469	0	0	0	0
cov4_7_9	12.5651	-639.567	0.6556015	0	0	0	0
cov4_8_10	12.6329	-639.601	0.6564169	0	0	0	0
cov4_8_9	12.6404	-639.605	0.6555715	0	0	0	0
cov5_11	12.6742	-643.226	0.6516813	0	0	0	0
cov2_7_9	12.9178	-639.744	0.6557239	0	0	0	0.085102598
cov2_7_10	12.9265	-639.748	0.6564093	0	0	0	0.085946385
cov2_8_9	13.0034	-639.786	0.6556802	0	0	0	0.085164049
cov2_8_10	13.0122	-639.791	0.6563698	0	0	0	0.086008003
cov2_3_10	13.5992	-640.084	0.6532595	0	0	0	0.092468118
cov3_4_10	13.6056	-640.087	0.6538453	0	0	0	0
cov2_3_9	13.6146	-640.092	0.6523969	0	0	0	0.091531155
cov3_4_9	13.6327	-640.101	0.6528844	0	0	0	0
cov6_7_9	13.6867	-640.128	0.658391	0	0	0	0
cov6_7_10	13.6934	-640.131	0.6591368	0	0	0	0
cov5_7_9	13.7384	-640.154	0.6572537	0	0	0	0
cov5_7_10	13.7401	-640.155	0.6581338	0	0	0	0
cov6_8_9	13.7783	-640.174	0.6583523	0	0	0	0
cov6_8_10	13.7851	-640.177	0.6590986	0	0	0	0
cov1_7_9	13.8058	-640.188	0.6587953	0	0.059346555	0	0
cov1_7_10	13.8146	-640.192	0.6595753	0	0.060715052	0	0
cov5_8_9	13.8238	-640.197	0.6572228	0	0	0	0
cov5_8_10	13.8255	-640.197	0.6581009	0	0	0	0
cov1_8_9	13.8906	-640.23	0.6587627	0	0.059468245	0	0
cov1_8_10	13.8993	-640.234	0.659546	0	0.06084196	0	0
cov7_9_11	13.9705	-640.27	0.6555767	0	0	0	0

cov7_10_11	13.9891	-640.279	0.656349	0	0	0	0
cov4_5_9	14.0113	-640.29	0.653505	0	0	0	0
cov4_5_10	14.0301	-640.3	0.6544266	0	0	0	0
cov8_9_11	14.0663	-640.318	0.6555457	0	0	0	0
cov8_10_11	14.0851	-640.327	0.6563057	0	0	0	0
cov2_7_8	14.371	-640.47	0.6524691	0	0	0	0.11833126
cov2_5_7	14.3906	-640.48	0.6515545	0	0	0	0.14014519
cov3_6_10	14.4072	-640.488	0.6560712	0	0	0	0
cov2_6_7	14.4124	-640.491	0.6537545	0	0	0	0.095065444
cov3_6_9	14.4265	-640.498	0.6551801	0	0	0	0
cov7_8_9	14.4305	-640.5	0.6558043	0	0	0	0
cov2_4_7	14.4424	-640.506	0.6523244	0	0	0	0.09821861
cov2_3_7	14.4734	-640.521	0.6529621	0	0	0	0.11575049
cov2_5_8	14.4788	-640.524	0.6515073	0	0	0	0.14016513
cov4_10_11	14.4792	-640.524	0.6571087	0	0	0	0
cov4_9_11	14.4816	-640.525	0.6562087	0	0	0	0
cov7_8_10	14.4848	-640.527	0.6566415	0	0	0	0
cov2_7_11	14.4962	-640.533	0.6523367	0	0	0	0.11482475
cov1_2_7	14.4991	-640.534	0.6522021	0	-0.003255185	0	0.12093802
cov2_6_8	14.5022	-640.536	0.6536932	0	0	0	0.095446783
cov1_4_10	14.5166	-640.543	0.6549183	0	-0.038743626	0	0
cov1_4_9	14.5181	-640.544	0.6539167	0	-0.039995678	0	0
cov2_4_8	14.5271	-640.548	0.6522599	0	0	0	0.097812768
cov1_3_10	14.5401	-640.555	0.6564821	0	0.068039611	0	0
cov3_7_9	14.5472	-640.558	0.6549779	0	0	0	0
cov1_3_9	14.5579	-640.564	0.6555639	0	0.066518594	0	0
cov7_9_10	14.5676	-640.568	0.6559231	0	0	0	0
cov2_3_8	14.5698	-640.57	0.6528034	0	0	0	0.11629666
cov2_8_11	14.5845	-640.577	0.6523028	0	0	0	0.11528643
cov1_2_8	14.5867	-640.578	0.6521645	0	-0.003036446	0	0.12084072
cov3_7_10	14.5984	-640.584	0.6558048	0	0	0	0
cov3_8_9	14.6234	-640.596	0.6548074	0	0	0	0
cov4_6_10	14.6377	-640.603	0.6561783	0	0	0	0
cov4_6_9	14.6443	-640.607	0.6552463	0	0	0	0
cov4_9_10	14.6453	-640.607	0.6564019	0	0	0	0
cov8_9_10	14.6557	-640.613	0.6559014	0	0	0	0
cov2_4_10	14.6638	-640.617	0.6567463	0	0	0	-0.001978858
cov2_4_9	14.674	-640.622	0.6558921	0	0	0	-0.001500367
cov3_8_10	14.6741	-640.622	0.655652	0	0	0	0
cov3_4_7	14.7724	-640.671	0.6545926	0	0	0	0
cov4_6_7	14.8018	-640.686	0.6549906	0	0	0	0
cov4_6_8	14.8875	-640.728	0.6549109	0	0	0	0
cov3_4_8	14.8923	-640.731	0.6544092	0	0	0	0
cov3_5_10	14.893	-640.731	0.6547228	0	0	0	0
cov3_5_9	14.9068	-640.738	0.6537234	0	0	0	0
cov3_10_11	14.9725	-640.771	0.6525391	0	0	0	0
cov3_9_11	14.9752	-640.772	0.6516554	0	0	0	0



cov1_4_7	15.0644	-640.817	0.6545168	0	0.048360034	0	0
cov4_5_7	15.0791	-640.824	0.6496623	0	0	0	0
cov1_4_8	15.1435	-640.856	0.6544919	0	0.048215983	0	0
cov4_5_8	15.1518	-640.861	0.6495985	0	0	0	0
cov4_7_11	15.1584	-640.864	0.6513952	0	0	0	0
cov6_7_8	15.1846	-640.877	0.6571304	0	0	0	0
cov4_7_8	15.2277	-640.898	0.6516279	0	0	0	0
cov4_8_11	15.2428	-640.906	0.6513434	0	0	0	0
cov5_6_7	15.286	-640.928	0.6572995	0	0	0	0
cov3_6_7	15.3004	-640.935	0.6575984	0	0	0	0
cov6_7_11	15.3143	-640.942	0.6564859	0	0	0	0
cov1_6_7	15.3192	-640.944	0.6572135	0	0.01945279	0	0
cov2_9_11	15.3844	-640.977	0.6562724	0	0	0	0.10641295
cov5_6_8	15.3852	-640.977	0.6572342	0	0	0	0
cov2_10_11	15.4066	-640.988	0.6569854	0	0	0	0.10689009
cov3_6_8	15.4091	-640.989	0.6574286	0	0	0	0
cov6_8_11	15.4131	-640.991	0.6564332	0	0	0	0
cov1_6_8	15.4141	-640.992	0.6571643	0	0.020718019	0	0
cov1_4_5	15.4336	-641.001	0.6544879	0	0.16655369	0	0
cov1_2_9	15.4949	-641.032	0.6547607	0	-0.024728958	0	0.10514368
cov3_9_10	15.4992	-641.034	0.6526402	0	0	0	0
cov1_5_7	15.5048	-641.037	0.6584445	0	0.14139671	0	0
cov1_2_10	15.5155	-641.042	0.6555812	0	-0.022724001	0	0.10461517
cov2_9_10	15.53	-641.05	0.6563055	0	0	0	0.08564349
cov1_7_8	15.5317	-641.05	0.6574655	0	0.099258812	0	0
cov2_6_9	15.539	-641.054	0.6560846	0	0	0	0.082396545
cov2_5_9	15.5392	-641.054	0.6558408	0	0	0	0.088514774
cov2_6_10	15.5511	-641.06	0.6568605	0	0	0	0.082224814
cov2_5_10	15.5541	-641.062	0.6565903	0	0	0	0.088156376
cov1_5_8	15.59	-641.08	0.6584015	0	0.14158846	0	0
cov1_3_7	15.6086	-641.089	0.6581024	0	0.095533751	0	0
cov4_5_6	15.6164	-641.093	0.6533606	0	0	0	0
cov1_7_11	15.6327	-641.101	0.6565965	0	0.086602437	0	0
cov1_3_8	15.7071	-641.138	0.6579463	0	0.096164886	0	0
cov1_8_11	15.7213	-641.145	0.6565899	0	0.087419345	0	0
cov2_3_5	15.838	-641.204	0.6471079	0	0	0	0.18185228
cov2_3_6	16.1045	-641.337	0.6509455	0	0	0	0.097953999
cov6_9_11	16.1687	-641.369	0.6595732	0	0	0	0
cov5_6_9	16.1796	-641.374	0.6585597	0	0	0	0
cov6_10_11	16.1806	-641.375	0.6603239	0	0	0	0
cov5_6_10	16.1841	-641.377	0.6593393	0	0	0	0
cov6_9_10	16.2152	-641.392	0.6592024	0	0	0	0
cov1_6_9	16.2222	-641.396	0.6589937	0	0.011765181	0	0
cov1_6_10	16.2312	-641.4	0.6597437	0	0.012583697	0	0
cov5_7_11	16.2767	-641.423	0.6520296	0	0	0	0
cov3_5_7	16.2824	-641.426	0.6565352	0	0	0	0
cov2_3_11	16.2942	-641.432	0.6491945	0	0	0	0.13831401

cov1_2_3	16.2947	-641.432	0.6495809	0	0.011271883	0	0.12344063
cov3_7_11	16.3	-641.435	0.6526626	0	0	0	0
cov1_9_11	16.3012	-641.435	0.6602929	0	0.080728338	0	0
cov7_8_11	16.3035	-641.436	0.651143	0	0	0	0
cov2_3_4	16.3042	-641.437	0.6490119	0	0	0	0.13091973
cov1_5_9	16.3056	-641.437	0.6584523	0	0.028306774	0	0
cov1_5_10	16.3125	-641.441	0.6592769	0	0.028187473	0	0
cov5_9_11	16.315	-641.442	0.6579571	0	0	0	0
cov1_10_11	16.3153	-641.442	0.6615921	0	0.082150344	0	0
cov5_9_10	16.3162	-641.443	0.6580989	0	0	0	0
cov5_10_11	16.3222	-641.446	0.6588312	0	0	0	0
cov1_9_10	16.3528	-641.461	0.6596397	0	0.062615163	0	0
cov5_8_11	16.3759	-641.473	0.6519854	0	0	0	0
cov3_5_8	16.4144	-641.492	0.6563283	0	0	0	0
cov3_8_11	16.4253	-641.497	0.652457	0	0	0	0
cov2_4_5	16.4471	-641.508	0.6486326	0	0	0	0.094448278
cov1_3_5	16.4774	-641.523	0.6568751	0	0.23640577	0	0
cov3_5_6	16.6439	-641.607	0.655074	0	0	0	0
cov5_7_8	16.7031	-641.636	0.6533888	0	0	0	0
cov3_4_6	16.7352	-641.652	0.6530235	0	0	0	0
cov9_10_11	16.9578	-641.764	0.6568305	0	0	0	0
cov2_5_6	16.9756	-641.772	0.6532942	0	0	0	0.11079334
cov1_3_6	17.0549	-641.812	0.6544924	0	0.024618583	0	0
cov3_4_5	17.0741	-641.822	0.647504	0	0	0	0
cov3_6_11	17.0747	-641.822	0.6546791	0	0	0	0
cov2_6_11	17.0836	-641.826	0.6547824	0	0	0	0.1034043
cov4_5_11	17.1038	-641.837	0.6478049	0	0	0	0
cov1_3_4	17.1044	-641.837	0.6527503	0	0.068760086	0	0
cov2_4_6	17.1475	-641.858	0.6526945	0	0	0	0.058434181
cov2_4_11	17.1479	-641.859	0.6516269	0	0	0	0.097234304
cov4_6_11	17.2063	-641.888	0.6554173	0	0	0	0
cov1_2_6	17.2311	-641.9	0.6517482	0	-0.059807725	0	0.11014996
cov1_2_5	17.2391	-641.904	0.6532314	0	0.062394167	0	0.11772179
cov1_2_4	17.2579	-641.914	0.6510791	0	-0.002211702	0	0.082241806
cov1_4_6	17.3384	-641.954	0.6533978	0	-0.031180728	0	0
cov1_2_11	17.3632	-641.966	0.6535689	0	0.032708663	0	0.11961718
cov2_5_11	17.3645	-641.967	0.651039	0	0	0	0.1518973
cov1_3_11	17.4894	-642.029	0.6551315	0	0.12218512	0	0
cov3_4_11	17.5441	-642.057	0.6489695	0	0	0	0
cov1_4_11	17.5558	-642.063	0.6548282	0	0.064943179	0	0
cov3_7_8	17.7842	-642.177	0.6533157	0	0	0	0
cov1_5_6	17.9565	-642.263	0.6579947	0	0.072836755	0	0
cov1_6_11	18.0503	-642.31	0.6581696	0	0.041483413	0	0
cov5_6_11	18.0607	-642.315	0.6576567	0	0	0	0
cov1_5_11	18.252	-642.411	0.6594473	0	0.179108	0	0
cov3_5_11	19.0589	-642.814	0.6481383	0	0	0	0
cov4_5_7_9	19.4321	-639.396	0.6535251	0	0	0	0

cov4_5_7_10	19.4441	-639.402	0.6544426	0	0	0	0
cov4_5_8_9	19.502	-639.431	0.6534875	0	0	0	0
cov4_5_8_10	19.5141	-639.437	0.6544053	0	0	0	0
cov4_7_8_10	19.626	-639.493	0.6565584	0	0	0	0
cov4_7_8_9	19.6333	-639.497	0.6557099	0	0	0	0
cov1_4_7_10	19.6991	-639.53	0.6550617	0	-0.026431191	0	0
cov1_4_7_9	19.701	-639.53	0.6540853	0	-0.027550568	0	0
cov2_4_7_10	19.7224	-639.541	0.6564593	0	0	0	0.024483386
cov2_4_7_9	19.7282	-639.544	0.6556686	0	0	0	0.024908117
cov4_7_9_10	19.7501	-639.555	0.6561062	0	0	0	0
cov4_6_7_10	19.7629	-639.561	0.6562218	0	0	0	0
cov3_4_7_10	19.7651	-639.563	0.6566158	0	0	0	0
cov4_7_10_11	19.7657	-639.563	0.6564721	0	0	0	0
cov4_6_7_9	19.769	-639.564	0.6552998	0	0	0	0
cov3_4_7_9	19.7714	-639.566	0.6558202	0	0	0	0
cov4_7_9_11	19.7725	-639.566	0.6556217	0	0	0	0
cov1_4_8_10	19.7731	-639.567	0.655197	0	-0.026682315	0	0
cov1_4_8_9	19.7751	-639.568	0.6540454	0	-0.027782885	0	0
cov2_4_8_10	19.7996	-639.58	0.6564243	0	0	0	0.023923518
cov2_4_8_9	19.8055	-639.583	0.6556245	0	0	0	0.024352405
cov4_8_9_10	19.8253	-639.593	0.6560696	0	0	0	0
cov4_6_8_10	19.8372	-639.599	0.6561369	0	0	0	0
cov4_8_10_11	19.8402	-639.6	0.656443	0	0	0	0
cov3_4_8_10	19.8421	-639.601	0.6564658	0	0	0	0
cov4_6_8_9	19.8433	-639.602	0.6553658	0	0	0	0
cov4_8_9_11	19.8469	-639.603	0.6555963	0	0	0	0
cov3_4_8_9	19.8492	-639.605	0.6556639	0	0	0	0
cov2_7_8_9	19.9872	-639.674	0.655825	0	0	0	0.085015704
cov2_7_8_10	19.9961	-639.678	0.6565117	0	0	0	0.08594506
cov2_3_7_9	20.0422	-639.701	0.6546944	0	0	0	0.087011184
cov2_3_7_10	20.0444	-639.702	0.6554053	0	0	0	0.087930635
cov1_2_7_9	20.0483	-639.704	0.6540327	0	-0.03241545	0	0.11070754
cov1_2_7_10	20.0653	-639.713	0.6548473	0	-0.030586393	0	0.11020272
cov2_3_8_9	20.108	-639.734	0.6545635	0	0	0	0.087260586
cov2_3_8_10	20.1095	-639.735	0.6552721	0	0	0	0.088188006
cov2_7_9_10	20.1175	-639.739	0.6560377	0	0	0	0.085185673
cov2_5_7_9	20.1229	-639.741	0.6555357	0	0	0	0.089892034
cov2_7_9_11	20.1249	-639.742	0.6557474	0	0	0	0.087629171
cov2_6_7_9	20.1264	-639.743	0.6556144	0	0	0	0.087043423
cov2_5_7_10	20.1335	-639.747	0.6562707	0	0	0	0.089526444
cov2_7_10_11	20.1345	-639.747	0.656432	0	0	0	0.08793152
cov1_2_8_9	20.1351	-639.748	0.6540213	0	-0.032189982	0	0.1105968
cov2_6_7_10	20.1357	-639.748	0.6562757	0	0	0	0.086871121
cov1_2_8_10	20.152	-639.756	0.6548213	0	-0.030368669	0	0.11009618
cov2_8_9_10	20.2032	-639.782	0.656002	0	0	0	0.08524958
cov2_5_8_9	20.2087	-639.784	0.6555132	0	0	0	0.089866808
cov2_8_9_11	20.2099	-639.785	0.6557169	0	0	0	0.0880701

cov2_6_8_9	20.2119	-639.786	0.6555762	0	0	0	0.087393165
cov2_5_8_10	20.2193	-639.79	0.6562663	0	0	0	0.089496544
cov2_8_10_11	20.2196	-639.79	0.6564011	0	0	0	0.08837422
cov2_6_8_10	20.2212	-639.791	0.6563038	0	0	0	0.087226901
cov3_4_5_9	20.2952	-639.828	0.6506874	0	0	0	0
cov3_4_5_10	20.2986	-639.829	0.6517267	0	0	0	0
cov2_3_4_10	20.6489	-640.004	0.6536044	0	0	0	0.050504652
cov2_3_5_9	20.6601	-640.01	0.651209	0	0	0	0.12284169
cov2_3_5_10	20.6612	-640.011	0.6521001	0	0	0	0.12228665
cov2_3_4_9	20.6735	-640.017	0.6526641	0	0	0	0.050858936
cov6_7_8_9	20.7412	-640.051	0.658523	0	0	0	0
cov6_7_8_10	20.7478	-640.054	0.6592725	0	0	0	0
cov1_2_3_10	20.7633	-640.062	0.6520818	0	-0.024508689	0	0.11193794
cov1_2_3_9	20.7709	-640.065	0.6510981	0	-0.026596521	0	0.11257656
cov2_3_10_11	20.7891	-640.075	0.6534751	0	0	0	0.09983303
cov2_3_9_10	20.7919	-640.076	0.6529295	0	0	0	0.091736193
cov1_4_5_7	20.7929	-640.076	0.6548463	0	0.15062763	0	0
cov3_4_9_10	20.796	-640.078	0.653502	0	0	0	0
cov2_3_9_11	20.8003	-640.08	0.6526344	0	0	0	0.0996256
cov1_3_4_10	20.8052	-640.083	0.6533889	0	-0.01039904	0	0
cov3_4_6_10	20.8065	-640.083	0.6541615	0	0	0	0
cov2_3_6_10	20.8068	-640.083	0.6534129	0	0	0	0.08931636
cov3_4_10_11	20.8074	-640.084	0.6539951	0	0	0	0
cov5_7_8_9	20.8075	-640.084	0.6573609	0	0	0	0
cov5_7_8_10	20.8094	-640.085	0.6582418	0	0	0	0
cov2_3_6_9	20.8232	-640.092	0.6524737	0	0	0	0.089520883
cov1_3_4_9	20.8295	-640.095	0.6523467	0	-0.011796257	0	0
cov5_6_7_9	20.8312	-640.096	0.6581159	0	0	0	0
cov5_6_7_10	20.8319	-640.096	0.6589056	0	0	0	0
cov3_4_9_11	20.8321	-640.096	0.653048	0	0	0	0
cov3_6_7_9	20.8324	-640.096	0.6574754	0	0	0	0
cov3_6_7_10	20.8328	-640.096	0.658227	0	0	0	0
cov3_4_6_9	20.8356	-640.098	0.653174	0	0	0	0
cov1_4_5_8	20.8609	-640.11	0.6548032	0	0.150868	0	0
cov6_7_9_11	20.868	-640.114	0.6578734	0	0	0	0
cov6_7_10_11	20.8732	-640.117	0.6586085	0	0	0	0
cov1_7_8_9	20.8742	-640.117	0.6589006	0	0.059318646	0	0
cov4_5_6_7	20.8778	-640.119	0.6538592	0	0	0	0
cov1_7_8_10	20.8832	-640.122	0.6596829	0	0.060694012	0	0
cov6_7_9_10	20.8844	-640.122	0.65874	0	0	0	0
cov1_6_7_9	20.8896	-640.125	0.6585484	0	0.012026928	0	0
cov1_6_7_10	20.8954	-640.128	0.659302	0	0.012774401	0	0
cov5_7_9_11	20.8986	-640.129	0.6568395	0	0	0	0
cov5_7_10_11	20.8993	-640.13	0.6576841	0	0	0	0
cov3_6_8_10	20.905	-640.132	0.6580787	0	0	0	0
cov3_6_8_9	20.9053	-640.133	0.6573211	0	0	0	0
cov5_6_8_9	20.9201	-640.14	0.6580697	0	0	0	0

cov5_6_8_10	20.9208	-640.14	0.65887	0	0	0	0
cov5_7_9_10	20.9263	-640.143	0.6577391	0	0	0	0
cov1_5_7_9	20.9318	-640.146	0.6578464	0	0.019443082	0	0
cov1_5_7_10	20.934	-640.147	0.6586753	0	0.019151521	0	0
cov3_5_7_9	20.9476	-640.154	0.6571971	0	0	0	0
cov3_5_7_10	20.949	-640.154	0.6580369	0	0	0	0
cov1_3_7_9	20.9536	-640.157	0.6578984	0	0.060948635	0	0
cov1_3_7_10	20.9561	-640.158	0.6586703	0	0.062425898	0	0
cov4_5_6_8	20.9588	-640.159	0.6537942	0	0	0	0
cov6_8_9_11	20.9614	-640.161	0.6578495	0	0	0	0
cov6_8_10_11	20.9667	-640.163	0.6585845	0	0	0	0
cov6_8_9_10	20.976	-640.168	0.6587066	0	0	0	0
cov1_6_8_9	20.9799	-640.17	0.6585246	0	0.013220479	0	0
cov1_7_9_11	20.9806	-640.17	0.6580058	0	0.045319269	0	0
cov1_6_8_10	20.9857	-640.173	0.6592913	0	0.013966585	0	0
cov5_8_9_11	20.9874	-640.174	0.6568208	0	0	0	0
cov5_8_10_11	20.9881	-640.174	0.657666	0	0	0	0
cov1_7_10_11	20.9882	-640.174	0.6587754	0	0.046443455	0	0
cov1_7_9_10	21.003	-640.181	0.6591488	0	0.059602993	0	0
cov5_8_9_10	21.0116	-640.186	0.657687	0	0	0	0
cov1_5_8_9	21.0168	-640.188	0.6578196	0	0.019635825	0	0
cov1_5_8_10	21.0191	-640.19	0.6586533	0	0.019354723	0	0
cov1_3_8_9	21.0213	-640.191	0.6577512	0	0.061269586	0	0
cov1_3_8_10	21.0229	-640.191	0.6585376	0	0.062743495	0	0
cov3_5_8_9	21.0309	-640.195	0.6570131	0	0	0	0
cov3_5_8_10	21.0318	-640.196	0.6578637	0	0	0	0
cov7_8_9_11	21.0398	-640.2	0.6557021	0	0	0	0
cov7_8_10_11	21.0586	-640.209	0.6564511	0	0	0	0
cov1_8_9_11	21.0688	-640.214	0.658017	0	0.046162292	0	0
cov1_8_10_11	21.0764	-640.218	0.6587855	0	0.047286762	0	0
cov1_8_9_10	21.0878	-640.224	0.6591221	0	0.059728429	0	0
cov4_5_6_9	21.0884	-640.224	0.6544863	0	0	0	0
cov4_5_6_10	21.1037	-640.232	0.6553162	0	0	0	0
cov1_4_5_9	21.1092	-640.235	0.6548497	0	0.051557969	0	0
cov1_4_5_10	21.1272	-640.244	0.6556594	0	0.051813663	0	0
cov3_7_9_11	21.1278	-640.244	0.6546056	0	0	0	0
cov3_7_10_11	21.1407	-640.25	0.6553597	0	0	0	0
cov7_9_10_11	21.1685	-640.264	0.6559044	0	0	0	0
cov4_5_9_10	21.2049	-640.282	0.653919	0	0	0	0
cov2_4_5_9	21.2071	-640.284	0.6534313	0	0	0	0.013460527
cov3_8_9_11	21.2074	-640.284	0.6544416	0	0	0	0
cov4_5_9_11	21.213	-640.286	0.6536977	0	0	0	0
cov2_4_5_7	21.2162	-640.288	0.6498926	0	0	0	0.10747953
cov3_8_10_11	21.2198	-640.29	0.6551972	0	0	0	0
cov2_4_5_10	21.2267	-640.293	0.6543414	0	0	0	0.013069592
cov4_5_10_11	21.2323	-640.296	0.6546326	0	0	0	0
cov8_9_10_11	21.2643	-640.312	0.6558697	0	0	0	0

cov2_4_5_8	21.2955	-640.328	0.6498346	0	0	0	0.10713311
cov2_5_6_7	21.3228	-640.341	0.6536614	0	0	0	0.11257845
cov1_3_4_5	21.3429	-640.351	0.6535673	0	0.23124028	0	0
cov2_5_6_8	21.4161	-640.388	0.6535681	0	0	0	0.11286569
cov2_5_7_8	21.4698	-640.415	0.6516319	0	0	0	0.1403414
cov1_2_6_7	21.4791	-640.42	0.6521798	0	-0.064448476	0	0.11555328
cov2_6_7_8	21.4865	-640.423	0.6538895	0	0	0	0.094351487
cov2_4_7_8	21.5231	-640.442	0.652396	0	0	0	0.098381073
cov1_2_5_7	21.5293	-640.445	0.653243	0	0.040992615	0	0.1222036
cov2_3_4_7	21.5531	-640.457	0.653554	0	0	0	0.078689749
cov2_3_7_8	21.5566	-640.458	0.6530071	0	0	0	0.11602741
cov2_5_7_11	21.5637	-640.462	0.6512157	0	0	0	0.13354972
cov1_2_6_8	21.5745	-640.467	0.6521379	0	-0.063148971	0	0.11553752
cov2_7_8_11	21.5768	-640.468	0.6524182	0	0	0	0.11500865
cov1_2_7_8	21.5795	-640.47	0.6522879	0	-0.003184977	0	0.12098531
cov2_4_6_7	21.5818	-640.471	0.6535748	0	0	0	0.080472821
cov2_3_5_7	21.5989	-640.479	0.6517105	0	0	0	0.13868308
cov3_6_9_10	21.6007	-640.48	0.6557238	0	0	0	0
cov3_5_6_10	21.6014	-640.481	0.6561602	0	0	0	0
cov1_3_6_10	21.6034	-640.482	0.6562795	0	0.0170919	0	0
cov2_3_6_7	21.6051	-640.483	0.6541515	0	0	0	0.094271117
cov3_7_8_9	21.6091	-640.485	0.6550492	0	0	0	0
cov3_6_10_11	21.6151	-640.488	0.6559268	0	0	0	0
cov2_6_7_11	21.6156	-640.488	0.6540054	0	0	0	0.096924786
cov1_2_5_8	21.6166	-640.488	0.6532069	0	0.041261803	0	0.12210451
cov3_5_6_9	21.6172	-640.489	0.6552995	0	0	0	0
cov1_3_6_9	21.6242	-640.492	0.6553799	0	0.016145675	0	0
cov7_8_9_10	21.6334	-640.497	0.6560429	0	0	0	0
cov3_6_9_11	21.635	-640.497	0.6550651	0	0	0	0
cov1_2_4_7	21.6468	-640.503	0.6518563	0	-0.008071102	0	0.10395374
cov2_4_7_11	21.6503	-640.505	0.6522677	0	0	0	0.096347168
cov2_5_8_11	21.6547	-640.507	0.6511822	0	0	0	0.13383545
cov2_3_4_8	21.6562	-640.508	0.6533766	0	0	0	0.080212431
cov3_7_8_10	21.6603	-640.51	0.6558801	0	0	0	0
cov1_4_9_11	21.6611	-640.51	0.6551046	0	-0.021454915	0	0
cov1_4_10_11	21.6613	-640.511	0.6560238	0	-0.020437108	0	0
cov4_9_10_11	21.663	-640.511	0.6567161	0	0	0	0
cov2_4_10_11	21.6648	-640.512	0.6571431	0	0	0	0.018988536
cov2_4_9_11	21.6649	-640.512	0.6562843	0	0	0	0.019859473
cov2_4_6_8	21.6689	-640.514	0.6534978	0	0	0	0.080363973
cov1_2_4_9	21.6755	-640.518	0.6532207	0	-0.054218476	0	0.030584533
cov1_4_6_10	21.6783	-640.519	0.654908	0	-0.066112846	0	0
cov1_2_4_10	21.6792	-640.52	0.6542375	0	-0.052220085	0	0.029077353
cov2_3_7_11	21.6801	-640.52	0.6529126	0	0	0	0.11288198
cov1_2_3_7	21.6809	-640.52	0.6526949	0	-0.004981495	0	0.11984975
cov1_4_6_9	21.6817	-640.521	0.6539219	0	-0.066761361	0	0
cov4_6_10_11	21.6846	-640.522	0.6573913	0	0	0	0

cov1_3_5_10	21.6853	-640.523	0.6571202	0	0.10595528	0	0
cov4_6_9_11	21.688	-640.524	0.6562215	0	0	0	0
cov2_3_5_8	21.6881	-640.524	0.6515053	0	0	0	0.14018205
cov1_3_5_9	21.6965	-640.528	0.6562889	0	0.10626331	0	0
cov1_4_9_10	21.6976	-640.529	0.6544288	0	-0.040124499	0	0
cov1_2_7_11	21.7006	-640.53	0.6517755	0	-0.009311133	0	0.1202208
cov2_3_6_8	21.7018	-640.531	0.6539809	0	0	0	0.094870216
cov2_6_8_11	21.7043	-640.532	0.6539564	0	0	0	0.097440597
cov1_3_9_10	21.7313	-640.546	0.6561132	0	0.066993969	0	0
cov1_2_4_8	21.7316	-640.546	0.6518085	0	-0.007964039	0	0.10347244
cov2_4_8_11	21.7354	-640.548	0.6522324	0	0	0	0.096286592
cov3_4_5_7	21.7413	-640.551	0.6527012	0	0	0	0
cov3_7_9_10	21.7479	-640.554	0.6552208	0	0	0	0
cov1_3_10_11	21.7483	-640.554	0.6563147	0	0.06553091	0	0
cov4_5_7_11	21.7662	-640.563	0.6482598	0	0	0	0
cov1_3_9_11	21.7665	-640.563	0.6554274	0	0.064494377	0	0
cov3_4_6_7	21.7724	-640.566	0.6560541	0	0	0	0
cov2_3_8_11	21.777	-640.568	0.6527531	0	0	0	0.11372251
cov1_2_3_8	21.7776	-640.569	0.6525609	0	-0.004436239	0	0.11994945
cov1_2_8_11	21.7898	-640.575	0.6517787	0	-0.008466707	0	0.12019502
cov3_8_9_10	21.8236	-640.592	0.6550703	0	0	0	0
cov4_6_9_10	21.8242	-640.592	0.6557619	0	0	0	0
cov2_4_6_10	21.8438	-640.602	0.6560751	0	0	0	0.007172698
cov4_5_8_11	21.8485	-640.604	0.6482285	0	0	0	0
cov2_4_6_9	21.8492	-640.605	0.6551332	0	0	0	0.00834411
cov2_4_9_10	21.8542	-640.607	0.656407	0	0	0	-0.002484504
cov3_4_5_8	21.855	-640.607	0.6525069	0	0	0	0
cov3_4_7_8	21.8676	-640.614	0.6546289	0	0	0	0
cov4_6_7_8	21.8697	-640.615	0.6551259	0	0	0	0
cov3_4_6_8	21.8867	-640.623	0.6558913	0	0	0	0
cov3_4_5_6	21.9021	-640.631	0.6522385	0	0	0	0
cov3_4_7_11	21.934	-640.647	0.6542696	0	0	0	0
cov1_3_4_7	21.9355	-640.648	0.6555095	0	0.021687295	0	0
cov1_4_6_7	21.9926	-640.676	0.654615	0	-0.021712339	0	0
cov4_6_7_11	22.0103	-640.685	0.654892	0	0	0	0
cov3_5_10_11	22.0268	-640.693	0.6538647	0	0	0	0
cov3_5_9_11	22.0432	-640.702	0.6529042	0	0	0	0
cov1_3_4_8	22.0496	-640.705	0.6553834	0	0.022999273	0	0
cov3_4_8_11	22.0538	-640.707	0.6540611	0	0	0	0
cov3_5_9_10	22.0736	-640.717	0.6543266	0	0	0	0
cov1_4_6_8	22.0798	-640.72	0.6545594	0	-0.020789054	0	0
cov4_6_8_11	22.0964	-640.728	0.6548351	0	0	0	0
cov1_4_7_8	22.1458	-640.753	0.6546351	0	0.048442529	0	0
cov3_9_10_11	22.1497	-640.755	0.6521445	0	0	0	0
cov4_5_7_8	22.1595	-640.76	0.6497396	0	0	0	0
cov2_3_5_6	22.1652	-640.763	0.6504393	0	0	0	0.13721139
cov4_7_8_11	22.2413	-640.801	0.6514895	0	0	0	0

cov1_4_7_11	22.2557	-640.808	0.6538939	0	0.03863441	0	0
cov1_4_8_11	22.3371	-640.849	0.6538662	0	0.039135689	0	0
cov5_6_7_8	22.3386	-640.849	0.6574387	0	0	0	0
cov1_2_3_5	22.3523	-640.856	0.6517534	0	0.13467206	0	0.1301741
cov3_6_7_8	22.3628	-640.861	0.657672	0	0	0	0
cov6_7_8_11	22.3747	-640.867	0.6566297	0	0	0	0
cov1_6_7_8	22.3807	-640.87	0.6573082	0	0.017294335	0	0
cov1_5_6_7	22.3866	-640.873	0.6582232	0	0.06139671	0	0
cov5_6_7_11	22.4526	-640.906	0.6566239	0	0	0	0
cov1_5_6_8	22.4808	-640.92	0.6581807	0	0.062752624	0	0
cov1_4_5_6	22.482	-640.921	0.6546098	0	0.10977141	0	0
cov3_5_6_7	22.4869	-640.923	0.6575586	0	0	0	0
cov3_6_7_11	22.4889	-640.924	0.6570809	0	0	0	0
cov1_3_6_7	22.4946	-640.927	0.6577804	0	0.01839509	0	0
cov1_6_7_11	22.5172	-640.939	0.6567352	0	0.012928447	0	0
cov2_6_9_11	22.5419	-640.951	0.6572221	0	0	0	0.093333733
cov5_6_8_11	22.5545	-640.957	0.6565684	0	0	0	0
cov2_6_10_11	22.5581	-640.959	0.6579574	0	0	0	0.093060541
cov1_4_5_11	22.565	-640.962	0.655779	0	0.18562995	0	0
cov2_5_9_11	22.5805	-640.97	0.6565977	0	0	0	0.0997003
cov1_5_7_8	22.5829	-640.971	0.6585449	0	0.14176195	0	0
cov2_9_10_11	22.5855	-640.973	0.6565565	0	0	0	0.10632834
cov3_5_6_8	22.5914	-640.976	0.6573896	0	0	0	0
cov1_2_9_11	22.5932	-640.977	0.6562837	0	-0.003149218	0	0.1081948
cov2_5_10_11	22.5988	-640.979	0.6573827	0	0	0	0.09921365
cov3_6_8_11	22.5989	-640.979	0.656924	0	0	0	0
cov1_3_6_8	22.6006	-640.98	0.6576448	0	0.019976734	0	0
cov1_6_8_11	22.614	-640.987	0.6567306	0	0.014787322	0	0
cov1_2_10_11	22.6158	-640.988	0.656851	0	-0.00135754	0	0.10766458
cov1_2_6_9	22.6161	-640.988	0.6545811	0	-0.06195864	0	0.10212507
cov1_2_6_10	22.6334	-640.997	0.6553852	0	-0.060747857	0	0.10156225
cov1_2_4_5	22.6351	-640.998	0.6548819	0	0.17762234	0	-0.013051614
cov1_2_5_9	22.67	-641.015	0.6542703	0	-0.049154664	0	0.10371612
cov1_5_7_11	22.685	-641.022	0.6576338	0	0.12874454	0	0
cov1_2_5_10	22.6871	-641.024	0.6550903	0	-0.048481618	0	0.10310538
cov1_3_7_8	22.6929	-641.026	0.6581515	0	0.095755004	0	0
cov1_2_9_10	22.695	-641.027	0.6550881	0	-0.024289547	0	0.1048801
cov1_3_5_7	22.7133	-641.037	0.6583915	0	0.14447653	0	0
cov1_7_8_11	22.7136	-641.037	0.6567067	0	0.086755338	0	0
cov2_3_4_5	22.7234	-641.042	0.6462912	0	0	0	0.14388076
cov2_6_9_10	22.7372	-641.049	0.6564251	0	0	0	0.082262202
cov2_5_9_10	22.7384	-641.049	0.6561789	0	0	0	0.087912284
cov2_5_6_9	22.742	-641.051	0.6560589	0	0	0	0.08539563
cov2_5_6_10	22.7558	-641.058	0.6568174	0	0	0	0.084819386
cov2_4_5_6	22.768	-641.064	0.6526338	0	0	0	0.029790269
cov1_5_8_11	22.7733	-641.067	0.65768	0	0.12961155	0	0
cov1_3_7_11	22.7909	-641.075	0.6573359	0	0.083204441	0	0



cov1_3_5_8	22.7948	-641.077	0.6582782	0	0.14883952	0	0
cov4_5_6_11	22.8065	-641.083	0.6538757	0	0	0	0
cov1_3_8_11	22.8923	-641.126	0.6572241	0	0.0845225	0	0
cov2_3_5_11	23.0043	-641.182	0.6464284	0	0	0	0.17657493
cov1_2_3_6	23.1886	-641.274	0.6496153	0	-0.060209449	0	0.117226
cov2_3_6_11	23.212	-641.286	0.6522101	0	0	0	0.10525279
cov3_5_7_11	23.2295	-641.295	0.6548092	0	0	0	0
cov1_3_5_6	23.2711	-641.316	0.6567174	0	0.14723879	0	0
cov5_6_9_11	23.294	-641.327	0.6594117	0	0	0	0
cov5_6_10_11	23.2993	-641.33	0.6602076	0	0	0	0
cov2_3_4_6	23.3097	-641.335	0.6509444	0	0	0	0.10330981
cov1_6_9_11	23.3449	-641.352	0.6601131	0	0.029208859	0	0
cov1_6_10_11	23.3552	-641.358	0.660857	0	0.029888329	0	0
cov3_5_8_11	23.358	-641.359	0.6545663	0	0	0	0
cov5_7_8_11	23.361	-641.36	0.6521125	0	0	0	0
cov6_9_10_11	23.3659	-641.363	0.6599066	0	0	0	0
cov5_6_9_10	23.3711	-641.366	0.6589471	0	0	0	0
cov3_5_7_8	23.3802	-641.37	0.6565635	0	0	0	0
cov1_5_6_9	23.3811	-641.371	0.6582435	0	-0.017501115	0	0
cov1_5_6_10	23.385	-641.372	0.6590473	0	-0.018192252	0	0
cov3_7_8_11	23.3906	-641.375	0.652695	0	0	0	0
cov1_6_9_10	23.4181	-641.389	0.659007	0	0.012103285	0	0
cov1_5_9_11	23.4486	-641.404	0.6594923	0	0.046553445	0	0
cov1_5_10_11	23.457	-641.408	0.6603033	0	0.046241127	0	0
cov1_2_3_11	23.4735	-641.417	0.6505545	0	0.022579608	0	0.12474885
cov1_5_9_10	23.4952	-641.428	0.658849	0	0.026796201	0	0
cov1_9_10_11	23.4978	-641.429	0.6606346	0	0.080880605	0	0
cov5_9_10_11	23.5001	-641.43	0.6584196	0	0	0	0
cov2_3_4_11	23.5022	-641.431	0.6492295	0	0	0	0.1350511
cov1_2_3_4	23.504	-641.432	0.6495864	0	0.011294763	0	0.12349209
cov2_4_5_11	23.6546	-641.507	0.6485315	0	0	0	0.092378905
cov1_3_5_11	23.6864	-641.523	0.6568003	0	0.23525632	0	0
cov3_5_6_11	23.835	-641.597	0.6545279	0	0	0	0
cov3_4_5_11	23.8515	-641.606	0.6452312	0	0	0	0
cov3_4_6_11	23.8975	-641.629	0.6539423	0	0	0	0
cov1_3_4_6	23.9404	-641.65	0.6528754	0	-0.010417303	0	0
cov2_5_6_11	24.0119	-641.686	0.6545465	0	0	0	0.11841341
cov2_4_6_11	24.0896	-641.725	0.6544999	0	0	0	0.070997257
cov1_2_5_6	24.1844	-641.772	0.6531792	0	-0.004933752	0	0.11187145
cov1_2_4_6	24.1993	-641.78	0.6512198	0	-0.06784019	0	0.077330932
cov1_3_6_11	24.2387	-641.799	0.6553228	0	0.03406156	0	0
cov1_2_6_11	24.2508	-641.805	0.6537588	0	-0.03659019	0	0.11359075
cov1_3_4_11	24.2892	-641.825	0.6535853	0	0.078855395	0	0
cov1_2_5_11	24.3064	-641.833	0.6548993	0	0.085600985	0	0.12103341
cov1_2_4_11	24.3301	-641.845	0.6528937	0	0.02171127	0	0.086431021
cov1_4_6_11	24.4124	-641.886	0.6551943	0	-0.009593802	0	0
cov1_5_6_11	25.0419	-642.201	0.6594502	0	0.09250265	0	0

cov4_5_7_8_9	26.498	-639.324	0.6536318	0	0	0	0
cov4_5_7_8_10	26.5102	-639.33	0.6545519	0	0	0	0
cov4_5_6_7_9	26.5377	-639.344	0.6544491	0	0	0	0
cov4_5_6_7_10	26.5474	-639.349	0.6552771	0	0	0	0
cov2_4_5_7_9	26.5532	-639.352	0.6534289	0	0	0	0.034723173
cov2_4_5_7_10	26.5672	-639.359	0.6542825	0	0	0	0.034376582
cov1_4_5_7_9	26.5747	-639.363	0.6546387	0	0.040004645	0	0
cov1_4_5_7_10	26.5868	-639.369	0.6554592	0	0.040047589	0	0
cov4_5_7_9_11	26.5923	-639.371	0.6530597	0	0	0	0
cov4_5_7_10_11	26.603	-639.377	0.6539537	0	0	0	0
cov4_5_6_8_9	26.6103	-639.38	0.6544081	0	0	0	0
cov4_5_6_8_10	26.6202	-639.385	0.6552283	0	0	0	0
cov2_4_5_8_9	26.6255	-639.388	0.653391	0	0	0	0.034237585
cov4_5_7_9_10	26.626	-639.388	0.6539536	0	0	0	0
cov2_4_5_8_10	26.6395	-639.395	0.6542444	0	0	0	0.033891306
cov3_4_5_7_9	26.6412	-639.396	0.6535938	0	0	0	0
cov1_4_5_8_9	26.6437	-639.397	0.6546058	0	0.04028251	0	0
cov3_4_5_7_10	26.6534	-639.402	0.6544802	0	0	0	0
cov1_4_5_8_10	26.6558	-639.403	0.6554263	0	0.040321096	0	0
cov4_5_8_9_11	26.6655	-639.408	0.6530377	0	0	0	0
cov4_5_8_10_11	26.6762	-639.413	0.6537801	0	0	0	0
cov4_5_8_9_10	26.6959	-639.423	0.6539174	0	0	0	0
cov3_4_5_8_9	26.7112	-639.431	0.6534273	0	0	0	0
cov3_4_5_8_10	26.7229	-639.437	0.6543231	0	0	0	0
cov1_2_4_7_9	26.7378	-639.444	0.6528354	0	-0.053183903	0	0.056249647
cov1_2_4_7_10	26.7443	-639.447	0.6538051	0	-0.051355542	0	0.054905529
cov1_4_7_8_10	26.7667	-639.459	0.6551549	0	-0.026517639	0	0
cov1_4_7_8_9	26.7685	-639.46	0.6541839	0	-0.027643881	0	0
cov2_4_7_8_10	26.7913	-639.471	0.6565685	0	0	0	0.024392195
cov2_4_7_8_9	26.7969	-639.474	0.6557646	0	0	0	0.024815644
cov1_2_4_8_9	26.8154	-639.483	0.6528083	0	-0.05315481	0	0.055675872
cov4_7_8_9_10	26.8183	-639.484	0.656208	0	0	0	0
cov1_2_4_8_10	26.8218	-639.486	0.6537724	0	-0.051341143	0	0.054341214
cov4_6_7_8_10	26.8323	-639.491	0.6563418	0	0	0	0
cov4_7_8_10_11	26.8339	-639.492	0.6565798	0	0	0	0
cov3_4_7_8_10	26.8342	-639.492	0.656682	0	0	0	0
cov4_6_7_8_9	26.8385	-639.495	0.6554481	0	0	0	0
cov4_7_8_9_11	26.8405	-639.496	0.6557314	0	0	0	0
cov3_4_7_8_9	26.8407	-639.496	0.6558818	0	0	0	0
cov1_4_6_7_10	26.8594	-639.505	0.6550582	0	-0.054249455	0	0
cov1_4_6_7_9	26.8631	-639.507	0.6540989	0	-0.054852507	0	0
cov1_4_7_9_10	26.8854	-639.518	0.6545757	0	-0.027684649	0	0
cov1_3_4_7_9	26.8883	-639.519	0.654439	0	-0.032624416	0	0
cov1_4_7_10_11	26.8883	-639.519	0.6544063	0	-0.036714618	0	0
cov1_3_4_7_10	26.8904	-639.52	0.6553565	0	-0.030993766	0	0
cov1_4_7_9_11	26.8913	-639.521	0.6534523	0	-0.037572258	0	0
cov2_4_6_7_10	26.9036	-639.527	0.6557528	0	0	0	0.033429598

cov2_4_6_7_9	26.9052	-639.528	0.6548788	0	0	0	0.034464176
cov2_4_7_9_10	26.9165	-639.534	0.6561248	0	0	0	0.024018411
cov2_4_7_10_11	26.9182	-639.534	0.6565417	0	0	0	0.029451782
cov2_4_7_9_11	26.9216	-639.536	0.6557423	0	0	0	0.030247998
cov2_3_4_7_10	26.9299	-639.54	0.6562896	0	0	0	0.02663153
cov2_3_4_7_9	26.9364	-639.543	0.6555194	0	0	0	0.02661118
cov1_4_6_8_10	26.9367	-639.544	0.6550095	0	-0.05354937	0	0
cov1_4_6_8_9	26.9404	-639.545	0.6540671	0	-0.054132632	0	0
cov4_6_7_9_10	26.9538	-639.552	0.6557802	0	0	0	0
cov4_7_9_10_11	26.9575	-639.554	0.6561171	0	0	0	0
cov3_4_7_9_10	26.9576	-639.554	0.6562643	0	0	0	0
cov1_4_8_9_10	26.9594	-639.555	0.6545384	0	-0.027914731	0	0
cov1_4_8_10_11	26.9648	-639.558	0.6544076	0	-0.03627909	0	0
cov1_4_8_9_11	26.9678	-639.559	0.6534547	0	-0.037136082	0	0
cov3_4_6_7_10	26.968	-639.559	0.6563736	0	0	0	0
cov1_3_4_8_9	26.971	-639.561	0.6543141	0	-0.031739734	0	0
cov1_3_4_8_10	26.9721	-639.561	0.6552403	0	-0.030110239	0	0
cov3_4_6_7_9	26.9721	-639.561	0.6555218	0	0	0	0
cov3_4_7_10_11	26.9722	-639.561	0.6566817	0	0	0	0
cov4_6_7_10_11	26.9722	-639.561	0.6562073	0	0	0	0
cov3_4_7_9_11	26.9775	-639.564	0.6558956	0	0	0	0
cov4_6_7_9_11	26.9783	-639.564	0.655313	0	0	0	0
cov2_4_6_8_10	26.9791	-639.565	0.6557012	0	0	0	0.033143416
cov2_4_6_8_9	26.9807	-639.566	0.6548172	0	0	0	0.034181921
cov2_4_8_10_11	26.9936	-639.572	0.6565636	0	0	0	0.02921931
cov2_4_8_9_10	26.9937	-639.572	0.6560975	0	0	0	0.0234615
cov2_4_8_9_11	26.997	-639.574	0.6557152	0	0	0	0.030021071
cov2_3_4_8_10	27.0033	-639.577	0.6561327	0	0	0	0.027682033
cov1_3_4_5_9	27.0049	-639.578	0.6533068	0	0.11615227	0	0
cov1_3_4_5_10	27.0078	-639.579	0.6541307	0	0.11622948	0	0
cov2_3_4_8_9	27.0105	-639.581	0.6553574	0	0	0	0.027670958
cov4_6_8_9_10	27.028	-639.589	0.6557332	0	0	0	0
cov4_8_9_10_11	27.0319	-639.591	0.6560922	0	0	0	0
cov3_4_8_9_10	27.0345	-639.593	0.6561162	0	0	0	0
cov3_4_6_8_10	27.0454	-639.598	0.6562377	0	0	0	0
cov4_6_8_10_11	27.0465	-639.599	0.6561669	0	0	0	0
cov3_4_8_10_11	27.049	-639.6	0.6565352	0	0	0	0
cov3_4_6_8_9	27.0503	-639.6	0.6553729	0	0	0	0
cov4_6_8_9_11	27.0524	-639.602	0.6552841	0	0	0	0
cov3_4_8_9_11	27.055	-639.603	0.6557486	0	0	0	0
cov2_3_7_8_9	27.1051	-639.628	0.654763	0	0	0	0.087075126
cov2_3_7_8_10	27.1072	-639.629	0.6554896	0	0	0	0.087891129
cov3_4_5_6_10	27.1168	-639.634	0.6531951	0	0	0	0
cov1_2_7_8_9	27.1174	-639.634	0.654131	0	-0.032413435	0	0.1107586
cov3_4_5_6_9	27.1184	-639.635	0.6523031	0	0	0	0
cov1_2_7_8_10	27.1346	-639.643	0.6549493	0	-0.030644819	0	0.11016818
cov1_2_3_7_9	27.1769	-639.664	0.6530953	0	-0.031573038	0	0.11190771

cov1_2_6_7_9	27.186	-639.668	0.6538955	0	-0.06613916	0	0.10801936
cov2_7_8_9_10	27.1869	-639.669	0.6561426	0	0	0	0.085121489
cov1_2_3_7_10	27.1876	-639.669	0.6539334	0	-0.029637608	0	0.11139001
cov2_5_7_8_9	27.1922	-639.671	0.6556369	0	0	0	0.089930966
cov2_7_8_9_11	27.1942	-639.672	0.655852	0	0	0	0.087720802
cov2_6_7_8_9	27.1963	-639.673	0.6557551	0	0	0	0.086288424
cov1_2_6_7_10	27.2003	-639.675	0.6546846	0	-0.065010787	0	0.10748305
cov2_5_7_8_10	27.203	-639.677	0.6563689	0	0	0	0.089565167
cov2_7_8_10_11	27.2039	-639.677	0.6565392	0	0	0	0.088021673
cov2_6_7_8_10	27.2054	-639.678	0.6565037	0	0	0	0.086079355
cov1_2_5_7_9	27.208	-639.679	0.653418	0	-0.061931543	0	0.10901045
cov2_3_5_7_9	27.2188	-639.685	0.6539423	0	0	0	0.10173514
cov1_2_5_7_10	27.2209	-639.686	0.6542814	0	-0.061330729	0	0.10836436
cov2_3_5_7_10	27.2264	-639.688	0.6547122	0	0	0	0.10143349
cov2_3_4_5_9	27.2359	-639.693	0.6501132	0	0	0	0.064795813
cov2_3_7_9_10	27.2365	-639.694	0.6550561	0	0	0	0.087195232
cov2_3_4_5_10	27.2425	-639.697	0.6510762	0	0	0	0.064464583
cov1_2_3_8_9	27.2441	-639.697	0.6529873	0	-0.03128109	0	0.11193467
cov1_2_7_9_11	27.245	-639.698	0.653529	0	-0.040171341	0	0.10976323
cov2_3_7_9_11	27.2499	-639.7	0.6547282	0	0	0	0.089127994
cov1_2_7_9_10	27.2502	-639.7	0.6543409	0	-0.032007478	0	0.11045702
cov2_3_6_7_9	27.2512	-639.701	0.6546268	0	0	0	0.088293861
cov2_3_7_10_11	27.2529	-639.702	0.6554393	0	0	0	0.089457356
cov2_3_6_7_10	27.2537	-639.702	0.6553947	0	0	0	0.088141382
cov1_2_3_8_10	27.2541	-639.702	0.6538197	0	-0.029338559	0	0.1114124
cov1_2_7_10_11	27.2612	-639.706	0.6543402	0	-0.038569122	0	0.10923351
cov1_2_6_8_9	27.2769	-639.714	0.653878	0	-0.064899092	0	0.10798566
cov2_3_5_8_9	27.2807	-639.716	0.6537663	0	0	0	0.10286651
cov2_3_5_8_10	27.2879	-639.719	0.6545416	0	0	0	0.10255574
cov1_2_6_8_10	27.2912	-639.721	0.6546653	0	-0.063771995	0	0.10745087
cov1_2_5_8_9	27.2949	-639.723	0.6533972	0	-0.061662104	0	0.10890619
cov2_3_8_9_10	27.3018	-639.726	0.6549253	0	0	0	0.087444988
cov1_2_5_8_10	27.3077	-639.729	0.6542592	0	-0.061063169	0	0.10826078
cov2_3_8_9_11	27.3153	-639.733	0.6546077	0	0	0	0.089691761
cov2_3_6_8_9	27.317	-639.734	0.6544897	0	0	0	0.08867512
cov2_3_8_10_11	27.3177	-639.734	0.655305	0	0	0	0.090018745
cov2_3_6_8_10	27.3188	-639.735	0.6552562	0	0	0	0.088521327
cov2_5_7_9_10	27.3237	-639.737	0.6558703	0	0	0	0.089324291
cov2_7_9_10_11	27.3249	-639.738	0.6560613	0	0	0	0.087536621
cov2_6_7_9_10	27.3263	-639.738	0.6554884	0	0	0	0.086977621
cov2_5_7_9_11	27.3317	-639.741	0.6555803	0	0	0	0.090549898
cov2_5_6_7_9	27.332	-639.741	0.6555755	0	0	0	0.089353235
cov1_2_8_9_11	27.3338	-639.742	0.65356	0	-0.039313076	0	0.10972604
cov2_6_7_9_11	27.3342	-639.742	0.6557175	0	0	0	0.08798453
cov1_2_8_9_10	27.3369	-639.744	0.6543203	0	-0.031788057	0	0.11034878
cov2_5_6_7_10	27.3424	-639.747	0.6563165	0	0	0	0.088788662
cov2_5_7_10_11	27.3424	-639.747	0.6562876	0	0	0	0.090073289

cov2_6_7_10_11	27.3438	-639.747	0.6564508	0	0	0	0.087703681
cov1_2_8_10_11	27.35	-639.75	0.6543566	0	-0.037687071	0	0.10919949
cov2_5_8_9_10	27.4095	-639.78	0.6558331	0	0	0	0.089305587
cov2_8_9_10_11	27.4099	-639.78	0.6560468	0	0	0	0.087984785
cov2_6_8_9_10	27.4118	-639.781	0.6555814	0	0	0	0.087329454
cov2_5_8_9_11	27.417	-639.784	0.6555637	0	0	0	0.090751193
cov2_5_6_8_9	27.418	-639.784	0.6555373	0	0	0	0.089538699
cov2_6_8_9_11	27.4192	-639.785	0.6556832	0	0	0	0.088469998
cov2_5_8_10_11	27.4278	-639.789	0.6562881	0	0	0	0.090270693
cov2_5_6_8_10	27.4284	-639.79	0.6562655	0	0	0	0.088975002
cov2_6_8_10_11	27.4289	-639.79	0.656423	0	0	0	0.088180881
cov3_4_5_9_11	27.4391	-639.795	0.6498694	0	0	0	0
cov3_4_5_10_11	27.4397	-639.795	0.6508559	0	0	0	0
cov3_4_5_9_10	27.4749	-639.813	0.6512232	0	0	0	0
cov1_2_3_4_10	27.7498	-639.95	0.6517407	0	-0.039295185	0	0.07226026
cov2_3_5_6_10	27.7557	-639.953	0.6528897	0	0	0	0.11054635
cov2_3_5_6_9	27.7579	-639.954	0.6520796	0	0	0	0.11121735
cov1_2_3_4_9	27.7639	-639.957	0.6506886	0	-0.041287837	0	0.073598915
cov2_3_4_10_11	27.8146	-639.983	0.6539304	0	0	0	0.057975644
cov2_3_4_9_11	27.8336	-639.992	0.6530379	0	0	0	0.058750634
cov1_4_5_6_7	27.8398	-639.995	0.6549487	0	0.093447739	0	0
cov2_3_4_9_10	27.8429	-639.997	0.6532754	0	0	0	0.049952567
cov2_3_5_9_10	27.8482	-639.999	0.651689	0	0	0	0.12205735
cov1_2_3_5_9	27.852	-640.001	0.6519076	0	0.024163526	0	0.11626096
cov1_2_3_5_10	27.8523	-640.001	0.6527728	0	0.024665108	0	0.11559388
cov2_3_4_6_10	27.8544	-640.002	0.6533411	0	0	0	0.053522433
cov1_4_5_7_8	27.8666	-640.009	0.6549464	0	0.15099452	0	0
cov2_3_5_9_11	27.8688	-640.01	0.6511401	0	0	0	0.12230434
cov2_3_5_10_11	27.8695	-640.01	0.6520005	0	0	0	0.12162356
cov2_3_4_6_9	27.8772	-640.014	0.6523684	0	0	0	0.05451907
cov3_6_7_8_10	27.88	-640.015	0.6583212	0	0	0	0
cov3_6_7_8_9	27.8801	-640.015	0.6575661	0	0	0	0
cov1_2_3_6_10	27.8853	-640.018	0.6519588	0	-0.061667412	0	0.10898515
cov2_4_5_6_7	27.8881	-640.019	0.6527051	0	0	0	0.055951478
cov5_6_7_8_9	27.8915	-640.021	0.6582568	0	0	0	0
cov5_6_7_8_10	27.8924	-640.021	0.6590452	0	0	0	0
cov1_2_3_6_9	27.8957	-640.023	0.6509993	0	-0.063086035	0	0.1096514
cov1_4_5_6_8	27.9135	-640.032	0.654902	0	0.094734315	0	0
cov6_7_8_9_11	27.9255	-640.038	0.658032	0	0	0	0
cov4_5_6_7_8	27.9273	-640.039	0.6540109	0	0	0	0
cov6_7_8_10_11	27.9306	-640.041	0.6587776	0	0	0	0
cov6_7_8_9_10	27.9388	-640.045	0.6588738	0	0	0	0
cov1_6_7_8_9	27.9464	-640.048	0.6586484	0	0.009784249	0	0
cov1_3_4_6_10	27.9474	-640.049	0.6533966	0	-0.042560511	0	0
cov1_2_3_9_10	27.9513	-640.051	0.6516472	0	-0.025829117	0	0.11216346
cov1_6_7_8_10	27.9522	-640.051	0.6594041	0	0.010531697	0	0
cov1_2_4_5_7	27.9579	-640.054	0.6539461	0	0.12309856	0	0.03188168

cov5_7_8_9_11	27.9683	-640.059	0.6569475	0	0	0	0
cov5_7_8_10_11	27.9692	-640.06	0.6577946	0	0	0	0
cov2_4_5_6_8	27.9707	-640.061	0.6526397	0	0	0	0.05572323
cov1_2_3_10_11	27.9712	-640.061	0.652274	0	-0.021978394	0	0.11224064
cov1_3_4_6_9	27.9738	-640.062	0.6523674	0	-0.043405217	0	0
cov1_2_3_9_11	27.9782	-640.064	0.6513352	0	-0.023617304	0	0.11293312
cov2_3_9_10_11	27.9799	-640.065	0.6531312	0	0	0	0.099429399
cov2_3_6_10_11	27.9858	-640.068	0.6540138	0	0	0	0.093387262
cov1_4_5_7_11	27.9921	-640.071	0.6543933	0	0.14311227	0	0
cov1_3_4_9_10	27.9931	-640.072	0.6529656	0	-0.011688036	0	0
cov1_3_4_5_7	27.9933	-640.072	0.6546843	0	0.16089187	0	0
cov3_4_6_10_11	27.9945	-640.073	0.6547171	0	0	0	0
cov5_7_8_9_10	27.9954	-640.073	0.6578279	0	0	0	0
cov3_4_9_10_11	27.9963	-640.073	0.6536508	0	0	0	0
cov3_4_6_9_10	27.9988	-640.075	0.653789	0	0	0	0
cov2_3_6_9_11	27.9992	-640.075	0.6531482	0	0	0	0.093787277
cov2_3_6_9_10	28.0002	-640.075	0.6530552	0	0	0	0.089338306
cov1_5_7_8_9	28.0008	-640.076	0.6579553	0	0.019499102	0	0
cov1_5_7_8_10	28.0032	-640.077	0.6587852	0	0.019232173	0	0
cov3_6_7_10_11	28.0102	-640.08	0.6576456	0	0	0	0
cov3_6_7_9_11	28.0115	-640.081	0.6569097	0	0	0	0
cov3_5_6_7_10	28.0121	-640.081	0.658314	0	0	0	0
cov1_3_4_10_11	28.0129	-640.082	0.6537355	0	-0.007432121	0	0
cov3_5_6_7_9	28.0143	-640.082	0.6575434	0	0	0	0
cov3_5_7_8_9	28.0161	-640.083	0.6572451	0	0	0	0
cov1_3_7_8_9	28.0165	-640.084	0.6579579	0	0.060992887	0	0
cov3_5_7_8_10	28.0175	-640.084	0.6580932	0	0	0	0
cov1_3_7_8_10	28.0188	-640.085	0.6587437	0	0.062470322	0	0
cov3_4_6_9_11	28.0212	-640.086	0.6537459	0	0	0	0
cov5_6_7_9_10	28.0237	-640.087	0.6585216	0	0	0	0
cov3_6_7_9_10	28.025	-640.088	0.657851	0	0	0	0
cov1_5_6_7_10	28.027	-640.089	0.6584874	0	-0.023717487	0	0
cov1_5_6_7_9	28.0271	-640.089	0.6576862	0	-0.022952781	0	0
cov1_2_4_5_8	28.0287	-640.09	0.6539351	0	0.12419764	0	0.030884689
cov5_6_7_9_11	28.0288	-640.09	0.6578114	0	0	0	0
cov5_6_7_10_11	28.0292	-640.09	0.6585374	0	0	0	0
cov1_3_6_7_10	28.0335	-640.092	0.6583951	0	0.013916593	0	0
cov1_3_6_7_9	28.0341	-640.092	0.6576366	0	0.013075987	0	0
cov1_3_4_9_11	28.0366	-640.094	0.6525826	0	-0.008633386	0	0
cov4_5_6_7_11	28.0423	-640.096	0.6530745	0	0	0	0
cov1_7_8_9_11	28.0497	-640.1	0.6581175	0	0.045421108	0	0
cov1_3_4_5_8	28.0531	-640.102	0.6545852	0	0.16508655	0	0
cov1_7_8_10_11	28.0575	-640.104	0.6588896	0	0.046552228	0	0
cov1_4_5_8_11	28.0618	-640.106	0.654386	0	0.14401347	0	0
cov6_7_9_10_11	28.0649	-640.108	0.6582176	0	0	0	0
cov3_4_5_6_7	28.0714	-640.111	0.6541511	0	0	0	0
cov1_7_8_9_10	28.0715	-640.111	0.659255	0	0.059576373	0	0

cov1_6_7_9_11	28.077	-640.114	0.6579345	0	0.002910942	0	0
cov1_6_7_10_11	28.082	-640.116	0.6586802	0	0.003501277	0	0
cov3_6_8_10_11	28.084	-640.117	0.6575106	0	0	0	0
cov3_6_8_9_11	28.0861	-640.118	0.6567757	0	0	0	0
cov1_6_7_9_10	28.087	-640.119	0.6589374	0	0.012259589	0	0
cov5_7_9_10_11	28.0877	-640.119	0.6573008	0	0	0	0
cov3_5_6_8_10	28.0878	-640.119	0.6581568	0	0	0	0
cov3_5_6_8_9	28.0907	-640.121	0.6573758	0	0	0	0
cov3_6_8_9_10	28.0972	-640.124	0.6577046	0	0	0	0
cov3_5_7_10_11	28.1016	-640.126	0.6572648	0	0	0	0
cov3_5_7_9_11	28.1023	-640.126	0.6564541	0	0	0	0
cov1_3_6_8_10	28.1042	-640.127	0.6582621	0	0.014994981	0	0
cov1_3_6_8_9	28.1057	-640.128	0.657497	0	0.014158653	0	0
cov1_5_7_9_11	28.1069	-640.129	0.6570875	0	0.005537966	0	0
cov1_5_7_10_11	28.1078	-640.129	0.6580284	0	0.005048467	0	0
cov5_6_8_9_10	28.1125	-640.132	0.6584753	0	0	0	0
cov1_5_6_8_10	28.1173	-640.134	0.6584627	0	-0.022514439	0	0
cov1_5_6_8_9	28.1174	-640.134	0.6576624	0	-0.021751264	0	0
cov5_6_8_9_11	28.1191	-640.135	0.6577695	0	0	0	0
cov5_6_8_10_11	28.1196	-640.135	0.6585505	0	0	0	0
cov1_5_7_9_10	28.1221	-640.136	0.6582845	0	0.018011873	0	0
cov4_5_6_8_11	28.126	-640.138	0.6530418	0	0	0	0
cov1_3_7_9_11	28.1268	-640.139	0.6570567	0	0.046626378	0	0
cov1_3_7_10_11	28.1279	-640.139	0.6578248	0	0.04781943	0	0
cov1_3_5_7_9	28.1307	-640.141	0.6576207	0	0.0299953	0	0
cov1_3_5_7_10	28.1312	-640.141	0.6584319	0	0.030514488	0	0
cov3_5_7_9_10	28.1351	-640.143	0.6576173	0	0	0	0
cov1_3_7_9_10	28.1458	-640.148	0.6582673	0	0.061332394	0	0
cov6_8_9_10_11	28.1583	-640.154	0.6582106	0	0	0	0
cov3_4_5_6_8	28.1598	-640.155	0.6540032	0	0	0	0
cov1_6_8_9_11	28.1699	-640.16	0.657948	0	0.004701276	0	0
cov1_6_8_10_11	28.175	-640.163	0.658694	0	0.005292422	0	0
cov5_8_9_10_11	28.1764	-640.164	0.6572822	0	0	0	0
cov1_6_8_9_10	28.1772	-640.164	0.6588939	0	0.013538137	0	0
cov1_7_9_10_11	28.1773	-640.164	0.6583623	0	0.045464988	0	0
cov3_5_8_10_11	28.184	-640.167	0.6570892	0	0	0	0
cov3_5_8_9_11	28.1853	-640.168	0.6562726	0	0	0	0
cov3_7_8_9_11	28.1917	-640.171	0.6546834	0	0	0	0
cov1_5_8_9_11	28.1953	-640.173	0.6570636	0	0.006435598	0	0
cov1_5_8_10_11	28.1963	-640.173	0.65791	0	0.005843469	0	0
cov1_3_8_9_11	28.1976	-640.174	0.6569517	0	0.047574833	0	0
cov1_3_8_10_11	28.1979	-640.174	0.6577243	0	0.048766179	0	0
cov3_7_8_10_11	28.2045	-640.178	0.6554258	0	0	0	0
cov1_3_5_8_10	28.2059	-640.178	0.6583217	0	0.034759603	0	0
cov1_3_5_8_9	28.206	-640.178	0.6575264	0	0.034215617	0	0
cov1_5_8_9_10	28.2072	-640.179	0.6582202	0	0.018134157	0	0
cov1_3_8_9_10	28.2127	-640.182	0.6581378	0	0.061655347	0	0

cov3_5_8_9_10	28.2177	-640.184	0.6574438	0	0	0	0
cov7_8_9_10_11	28.2377	-640.194	0.6560174	0	0	0	0
cov4_5_6_9_11	28.2481	-640.199	0.6552056	0	0	0	0
cov1_4_5_9_11	28.2563	-640.203	0.6558963	0	0.069188132	0	0
cov4_5_6_10_11	28.264	-640.207	0.6560466	0	0	0	0
cov1_8_9_10_11	28.2655	-640.208	0.6583801	0	0.046305093	0	0
cov1_4_5_10_11	28.2755	-640.213	0.6567028	0	0.069313638	0	0
cov1_4_5_6_9	28.2802	-640.215	0.6548631	0	0.026530377	0	0
cov4_5_6_9_10	28.2862	-640.218	0.6548329	0	0	0	0
cov2_4_5_7_8	28.2944	-640.222	0.6499746	0	0	0	0.10762558
cov1_4_5_6_10	28.2962	-640.223	0.6556657	0	0.026087701	0	0
cov2_4_5_6_9	28.2964	-640.224	0.6545677	0	0	0	-0.004601991
cov1_2_4_5_9	28.3044	-640.228	0.6553482	0	0.066258582	0	-0.017606362
cov1_4_5_9_10	28.3083	-640.229	0.6551596	0	0.050398808	0	0
cov2_4_5_6_10	28.3113	-640.231	0.6554144	0	0	0	-0.005298712
cov2_4_5_7_11	28.3197	-640.235	0.6491226	0	0	0	0.092297566
cov3_7_9_10_11	28.3212	-640.236	0.6549451	0	0	0	0
cov1_2_4_5_10	28.3213	-640.236	0.6561758	0	0.067042146	0	-0.018291313
cov1_3_4_5_6	28.3516	-640.251	0.6537252	0	0.16889726	0	0
cov2_3_4_5_7	28.3742	-640.262	0.6508903	0	0	0	0.092841067
cov2_5_6_7_8	28.3876	-640.269	0.6537826	0	0	0	0.11205662
cov2_4_5_9_11	28.3981	-640.274	0.653757	0	0	0	0.019137651
cov3_8_9_10_11	28.4002	-640.275	0.6547873	0	0	0	0
cov2_4_5_9_10	28.4024	-640.277	0.6538415	0	0	0	0.012612034
cov2_4_5_8_11	28.4029	-640.277	0.6490752	0	0	0	0.09222871
cov4_5_9_10_11	28.4072	-640.279	0.6537012	0	0	0	0
cov2_4_5_10_11	28.4189	-640.285	0.6546246	0	0	0	0.018567869
cov2_3_4_5_8	28.4666	-640.309	0.6506939	0	0	0	0.094513716
cov2_3_5_6_7	28.4959	-640.323	0.6529638	0	0	0	0.11780728
cov1_2_5_6_7	28.5223	-640.336	0.6531674	0	-0.020087687	0	0.11694667
cov1_2_3_4_5	28.5233	-640.337	0.6528394	0	0.21155619	0	0.025808876
cov2_5_6_7_11	28.5318	-640.341	0.6535995	0	0	0	0.11225051
cov1_2_6_7_8	28.5441	-640.347	0.6522725	0	-0.066507578	0	0.11536142
cov1_3_4_5_11	28.552	-640.351	0.6536387	0	0.23214684	0	0
cov2_3_5_6_8	28.5746	-640.363	0.6527845	0	0	0	0.1189955
cov1_2_5_7_8	28.6074	-640.379	0.6533359	0	0.041327506	0	0.12222
cov1_2_5_6_8	28.6169	-640.384	0.6531329	0	-0.01870886	0	0.11692865
cov2_5_6_8_11	28.6254	-640.388	0.6535574	0	0	0	0.11265758
cov1_2_4_6_7	28.6324	-640.391	0.6518857	0	-0.068284223	0	0.099368281
cov2_3_4_7_8	28.6402	-640.395	0.6535806	0	0	0	0.079539588
cov2_5_7_8_11	28.6431	-640.397	0.6512943	0	0	0	0.13374737
cov2_4_6_7_8	28.6568	-640.404	0.6537113	0	0	0	0.079878217
cov1_2_3_6_7	28.671	-640.411	0.6525633	0	-0.06463787	0	0.11478736
cov2_3_5_7_8	28.6786	-640.415	0.6517366	0	0	0	0.13932912
cov2_3_6_7_8	28.6818	-640.416	0.6542508	0	0	0	0.093545033
cov1_2_6_7_11	28.6868	-640.419	0.6520007	0	-0.066794418	0	0.11528567
cov2_6_7_8_11	28.6886	-640.42	0.6541613	0	0	0	0.096286348



cov3_4_5_7_11	28.7108	-640.431	0.6509716	0	0	0
cov1_2_3_5_7	28.7208	-640.436	0.653005	0	0.054286283	0.12366365
cov2_3_4_6_7	28.7214	-640.436	0.6543788	0	0	0.067495756
cov1_2_4_6_8	28.7246	-640.438	0.6518423	0	-0.067155631	0.098946313
cov1_2_4_7_8	28.7276	-640.439	0.6519601	0	-0.007984386	0.10404778
cov1_2_5_7_11	28.7304	-640.44	0.6528196	0	0.034808623	0.12146516
cov2_4_7_8_11	28.7311	-640.441	0.6523643	0	0	0.096529138
cov1_3_5_6_10	28.7353	-640.443	0.6569413	0	0.056456328	0
cov1_2_3_4_7	28.7442	-640.447	0.6527434	0	-0.015824075	0.088229254
cov1_3_5_6_9	28.749	-640.45	0.6561439	0	0.057221721	0
cov2_3_4_7_11	28.7625	-640.457	0.6535437	0	0	0.078535758
cov2_3_7_8_11	28.7633	-640.457	0.6529579	0	0	0.1132113
cov1_2_3_7_8	28.7641	-640.457	0.6527458	0	-0.004762459	0.12001631
cov2_3_4_5_6	28.7703	-640.46	0.6503035	0	0	0.076560757
cov2_3_5_7_11	28.7729	-640.462	0.6511485	0	0	0.13403157
cov1_2_3_6_8	28.7738	-640.462	0.6524195	0	-0.06321186	0.11496418
cov1_2_7_8_11	28.7813	-640.466	0.6518661	0	-0.009123799	0.12028012
cov1_2_6_8_11	28.7828	-640.467	0.6519884	0	-0.064956907	0.11531141
cov2_4_6_7_11	28.7839	-640.467	0.6539044	0	0	0.082293817
cov3_5_6_9_10	28.7948	-640.473	0.6558084	0	0	0
cov1_2_3_5_8	28.7962	-640.473	0.6529063	0	0.058352409	0.12398626
cov1_3_6_9_10	28.7976	-640.474	0.6559285	0	0.01664051	0
cov3_5_6_10_11	28.8042	-640.477	0.6558566	0	0	0
cov1_2_4_9_11	28.8058	-640.478	0.6544077	0	-0.035604114	0.034289096
cov2_3_6_7_11	28.8081	-640.479	0.6543866	0	0	0.096147621
cov3_6_9_10_11	28.8088	-640.48	0.6555921	0	0	0
cov3_7_8_9_10	28.8096	-640.48	0.6553028	0	0	0
cov1_4_6_10_11	28.8105	-640.481	0.6561266	0	-0.049520861	0
cov1_2_4_10_11	28.8119	-640.481	0.6554048	0	-0.033884859	0.03274771
cov1_4_6_9_11	28.8123	-640.481	0.6551604	0	-0.050002618	0
cov1_3_6_10_11	28.8127	-640.482	0.6562894	0	0.017396946	0
cov1_2_5_8_11	28.8192	-640.485	0.6528257	0	0.035698631	0.12143966
cov3_5_6_9_11	28.8206	-640.486	0.6550123	0	0	0
cov3_4_5_8_11	28.8213	-640.486	0.6507632	0	0	0
cov2_3_4_6_8	28.8239	-640.487	0.654199	0	0	0.068963124
cov1_3_6_9_11	28.8334	-640.492	0.6554207	0	0.016822946	0
cov3_4_5_7_8	28.8342	-640.492	0.6527413	0	0	0
cov1_4_9_10_11	28.8417	-640.496	0.6555304	0	-0.021732129	0
cov1_2_4_6_9	28.8418	-640.496	0.6532183	0	-0.079834312	0.029815059
cov1_2_4_6_10	28.8434	-640.497	0.6542233	0	-0.078514459	0.028303922
cov4_5_7_8_11	28.8464	-640.499	0.6483511	0	0	0
cov1_2_4_7_11	28.8486	-640.5	0.6514636	0	-0.014006981	0.10328007
cov1_2_3_4_8	28.8492	-640.5	0.6526025	0	-0.014959454	0.089232054
cov2_4_9_10_11	28.8492	-640.5	0.6567384	0	0	0.018740866
cov3_4_6_7_8	28.8546	-640.503	0.6561514	0	0	0
cov1_2_4_9_10	28.8591	-640.505	0.6537404	0	-0.053779652	0.029389034
cov1_4_6_9_10	28.8616	-640.506	0.6544408	0	-0.066772403	0

cov2_3_5_8_11	28.8621	-640.506	0.6509483	0	0	0	0.13549981
cov2_3_4_8_11	28.8655	-640.508	0.6533627	0	0	0	0.080226052
cov4_6_9_10_11	28.8696	-640.51	0.656938	0	0	0	0
cov2_4_6_8_11	28.8698	-640.51	0.653797	0	0	0	0.082308791
cov2_4_6_10_11	28.8738	-640.512	0.6572314	0	0	0	0.01828856
cov2_4_6_9_11	28.8741	-640.512	0.6563085	0	0	0	0.019564103
cov1_3_5_9_10	28.8773	-640.514	0.6567448	0	0.10466124	0	0
cov1_2_3_7_11	28.8826	-640.517	0.6522753	0	-0.010936153	0	0.11914571
cov1_3_5_10_11	28.8912	-640.521	0.6568383	0	0.10248426	0	0
cov1_3_5_9_11	28.903	-640.527	0.6561521	0	0.10303565	0	0
cov2_3_6_8_11	28.9039	-640.527	0.6542588	0	0	0	0.096866086
cov1_3_4_6_7	28.9274	-640.539	0.6554637	0	-0.037958152	0	0
cov1_2_4_8_11	28.9349	-640.543	0.6514395	0	-0.013288661	0	0.10285948
cov1_3_9_10_11	28.9396	-640.545	0.6559631	0	0.064607225	0	0
cov1_2_3_8_11	28.9809	-640.566	0.6521838	0	-0.009764412	0	0.11931932
cov3_4_6_7_11	28.9815	-640.566	0.6561014	0	0	0	0
cov1_3_4_7_8	29.0283	-640.589	0.6555713	0	0.022342195	0	0
cov3_4_7_8_11	29.0284	-640.59	0.6543025	0	0	0	0
cov2_4_6_9_10	29.0303	-640.59	0.6554694	0	0	0	0.007293181
cov1_3_4_6_8	29.0479	-640.599	0.6553322	0	-0.03565342	0	0
cov1_4_6_7_8	29.0568	-640.604	0.6547176	0	-0.02378409	0	0
cov4_6_7_8_11	29.0787	-640.615	0.655055	0	0	0	0
cov3_4_5_6_11	29.0911	-640.621	0.651607	0	0	0	0
cov3_4_6_8_11	29.0957	-640.623	0.6559513	0	0	0	0
cov1_3_4_7_11	29.1314	-640.641	0.6549537	0	0.013470079	0	0
cov1_4_6_7_11	29.1955	-640.673	0.6542312	0	-0.026470824	0	0
cov3_5_9_10_11	29.2104	-640.68	0.6534091	0	0	0	0
cov1_3_4_8_11	29.2475	-640.699	0.6548695	0	0.015426328	0	0
cov1_2_3_5_6	29.2762	-640.713	0.6517207	0	0.065037765	0	0.12428834
cov1_4_6_8_11	29.2841	-640.717	0.6542166	0	-0.025005285	0	0
cov1_4_7_8_11	29.3375	-640.744	0.6539887	0	0.038819977	0	0
cov2_3_5_6_11	29.3734	-640.762	0.6505748	0	0	0	0.13768135
cov1_5_6_7_8	29.4461	-640.798	0.658327	0	0.059470051	0	0
cov5_6_7_8_11	29.508	-640.829	0.6567868	0	0	0	0
cov3_5_6_7_8	29.5428	-640.847	0.657634	0	0	0	0
cov3_6_7_8_11	29.5538	-640.852	0.6571896	0	0	0	0
cov1_2_3_5_11	29.5591	-640.855	0.6520007	0	0.13728256	0	0.13051599
cov1_3_6_7_8	29.5602	-640.855	0.6578334	0	0.016397449	0	0
cov1_6_7_8_11	29.5795	-640.865	0.6568425	0	0.011015968	0	0
cov1_5_6_7_11	29.5836	-640.867	0.6577462	0	0.054746228	0	0
cov1_4_5_6_11	29.5895	-640.87	0.6560088	0	0.12738328	0	0
cov1_3_5_6_7	29.591	-640.871	0.6580975	0	0.068301394	0	0
cov3_5_6_7_11	29.6582	-640.904	0.6568223	0	0	0	0
cov1_3_5_6_8	29.6775	-640.914	0.6579836	0	0.073672864	0	0
cov1_5_6_8_11	29.6798	-640.915	0.6577463	0	0.056677247	0	0
cov1_2_4_5_6	29.6819	-640.916	0.6550669	0	0.12163757	0	-0.014384769
cov1_3_6_7_11	29.6928	-640.922	0.6573076	0	0.011921187	0	0

cov1_2_6_9_11	29.6942	-640.922	0.6560182	0	-0.042626799	0	0.10513494
cov1_2_6_10_11	29.7132	-640.932	0.6568181	0	-0.04154413	0	0.10455886
cov2_6_9_10_11	29.7422	-640.946	0.6575378	0	0	0	0.09316385
cov2_5_6_9_11	29.7513	-640.951	0.65725	0	0	0	0.093316639
cov3_5_6_8_11	29.7632	-640.957	0.6566558	0	0	0	0
cov1_5_7_8_11	29.7637	-640.957	0.6577962	0	0.12923295	0	0
cov2_5_6_10_11	29.7673	-640.959	0.6579328	0	0	0	0.092696944
cov1_2_5_9_11	29.7678	-640.959	0.6556052	0	-0.027754603	0	0.10681789
cov1_2_4_5_11	29.771	-640.961	0.6558234	0	0.19245586	0	-0.008536698
cov2_5_9_10_11	29.7796	-640.965	0.6569463	0	0	0	0.099084946
cov1_2_5_10_11	29.787	-640.969	0.6564317	0	-0.02716631	0	0.10614148
cov1_3_5_7_8	29.7905	-640.971	0.6584728	0	0.14626554	0	0
cov1_2_9_10_11	29.7943	-640.972	0.6564122	0	-0.002842447	0	0.10794441
cov1_2_5_6_9	29.7969	-640.974	0.6541157	0	-0.083185684	0	0.10094275
cov1_3_6_8_11	29.8006	-640.976	0.6571947	0	0.014091479	0	0
cov1_2_5_6_10	29.811	-640.981	0.654946	0	-0.083139534	0	0.10026052
cov1_2_6_9_10	29.8162	-640.983	0.6549102	0	-0.06154677	0	0.10186456
cov2_3_4_5_11	29.8451	-640.998	0.6452559	0	0	0	0.13323289
cov1_2_5_9_10	29.8663	-641.008	0.6545868	0	-0.050135784	0	0.10336044
cov1_3_7_8_11	29.8757	-641.013	0.6573977	0	0.083611715	0	0
cov1_3_5_7_11	29.8933	-641.022	0.6576261	0	0.13217283	0	0
cov2_4_5_6_11	29.9358	-641.043	0.6532781	0	0	0	0.036172997
cov2_5_6_9_10	29.9416	-641.046	0.6563827	0	0	0	0.084919647
cov1_3_5_8_11	29.9775	-641.064	0.6575474	0	0.1371569	0	0
cov3_5_7_8_11	30.3239	-641.237	0.6548027	0	0	0	0
cov1_2_3_6_11	30.3487	-641.25	0.6508128	0	-0.048117149	0	0.11869965
cov1_2_3_4_6	30.3973	-641.274	0.6496359	0	-0.059732323	0	0.1192942
cov2_3_4_6_11	30.42	-641.285	0.6521917	0	0	0	0.10818312
cov1_3_5_6_11	30.4789	-641.315	0.6568919	0	0.14898243	0	0
cov5_6_9_10_11	30.4854	-641.318	0.6598061	0	0	0	0
cov1_5_6_9_11	30.5033	-641.327	0.6594001	0	-0.000160502	0	0
cov1_5_6_10_11	30.5087	-641.33	0.6601863	0	-0.000969223	0	0
cov1_6_9_10_11	30.5417	-641.346	0.660451	0	0.02938663	0	0
cov1_5_6_9_10	30.5714	-641.361	0.6586271	0	-0.018880499	0	0
cov1_5_9_10_11	30.6391	-641.395	0.6598863	0	0.044963555	0	0
cov1_2_3_4_11	30.6827	-641.417	0.6505514	0	0.022372685	0	0.12393715
cov1_3_4_6_11	31.1068	-641.629	0.6539604	0	0.000813382	0	0
cov1_2_5_6_11	31.215	-641.683	0.6549913	0	0.016441566	0	0.11516885
cov1_2_4_6_11	31.2348	-641.693	0.6532163	0	-0.045372624	0	0.081717638
cov4_5_6_7_8_9	33.595	-639.268	0.654596	0	0	0	0
cov4_5_6_7_8_10	33.6049	-639.273	0.6554227	0	0	0	0
cov2_4_5_7_8_9	33.6196	-639.28	0.6535436	0	0	0	0.034638512
cov2_4_5_7_8_10	33.6338	-639.288	0.6543884	0	0	0	0.034312543
cov1_4_5_7_8_9	33.6404	-639.291	0.6547417	0	0.040075775	0	0
cov1_4_5_7_8_10	33.6527	-639.297	0.6555675	0	0.040118703	0	0
cov4_5_7_8_9_11	33.6587	-639.3	0.6531685	0	0	0	0
cov4_5_7_8_10_11	33.6696	-639.305	0.6540483	0	0	0	0

cov4_5_7_8_9_10	33.6918	-639.317	0.6540609	0	0	0	0
cov3_4_5_7_8_9	33.7073	-639.324	0.653652	0	0	0	0
cov2_4_5_6_7_9	33.715	-639.328	0.654111	0	0	0	0.023007238
cov3_4_5_7_8_10	33.7196	-639.33	0.6545548	0	0	0	0
cov2_4_5_6_7_10	33.7265	-639.334	0.6549287	0	0	0	0.022388268
cov3_4_5_6_7_9	33.7324	-639.337	0.6540424	0	0	0	0
cov4_5_6_7_9_11	33.7337	-639.337	0.6540663	0	0	0	0
cov4_5_6_7_9_10	33.7352	-639.338	0.6548089	0	0	0	0
cov3_4_5_6_7_10	33.7401	-639.341	0.6548793	0	0	0	0
cov1_4_5_6_7_9	33.7423	-639.342	0.654658	0	0.013796291	0	0
cov4_5_6_7_10_11	33.7431	-639.342	0.6548951	0	0	0	0
cov2_4_5_7_9_11	33.7446	-639.343	0.6531299	0	0	0	0.029452016
cov2_3_4_5_7_9	33.749	-639.345	0.6529041	0	0	0	0.040869577
cov2_4_5_7_9_10	33.7512	-639.346	0.6538052	0	0	0	0.033947208
cov1_4_5_6_7_10	33.7525	-639.347	0.6554619	0	0.013220708	0	0
cov1_2_4_5_7_9	33.7545	-639.348	0.653945	0	0.017955821	0	0.026072477
cov2_4_5_7_10_11	33.7574	-639.349	0.6539693	0	0	0	0.028936193
cov1_3_4_5_7_9	33.7601	-639.351	0.6543192	0	0.056200194	0	0
cov2_3_4_5_7_10	33.7617	-639.352	0.6537519	0	0	0	0.040767487
cov1_2_4_5_7_10	33.768	-639.355	0.6547899	0	0.018569646	0	0.025447602
cov1_4_5_7_9_11	33.7697	-639.355	0.6541034	0	0.03086713	0	0
cov1_3_4_5_7_10	33.7698	-639.356	0.655129	0	0.056918256	0	0
cov1_4_5_7_9_10	33.7729	-639.357	0.6549729	0	0.038791549	0	0
cov1_4_5_7_10_11	33.7809	-639.361	0.6549111	0	0.030623534	0	0
cov4_5_7_9_10_11	33.7872	-639.364	0.6534766	0	0	0	0
cov2_4_5_6_8_9	33.7886	-639.365	0.6540652	0	0	0	0.0226632
cov3_4_5_6_8_9	33.7958	-639.369	0.653936	0	0	0	0
cov3_4_5_7_9_11	33.7998	-639.371	0.6528464	0	0	0	0
cov2_4_5_6_8_10	33.8002	-639.371	0.6548845	0	0	0	0.022042287
cov3_4_5_6_8_10	33.803	-639.372	0.6547491	0	0	0	0
cov1_2_4_7_8_9	33.8058	-639.374	0.6529369	0	-0.053239406	0	0.056207541
cov4_5_6_8_9_10	33.8078	-639.375	0.6547823	0	0	0	0
cov4_5_6_8_9_11	33.8078	-639.375	0.6540277	0	0	0	0
cov3_4_5_7_10_11	33.8097	-639.375	0.6536785	0	0	0	0
cov1_2_4_7_8_10	33.8125	-639.377	0.653904	0	-0.051418706	0	0.054872762
cov2_3_4_5_8_9	33.8127	-639.377	0.652728	0	0	0	0.042083592
cov1_4_5_6_8_9	33.8141	-639.378	0.654627	0	0.015008765	0	0
cov1_3_4_5_8_9	33.8158	-639.379	0.6542202	0	0.060365378	0	0
cov4_5_6_8_10_11	33.8173	-639.379	0.654855	0	0	0	0
cov2_4_5_8_9_11	33.8187	-639.38	0.6531221	0	0	0	0.029227405
cov2_4_5_8_9_10	33.8235	-639.382	0.6537683	0	0	0	0.033459227
cov1_4_5_6_8_10	33.8244	-639.383	0.6554304	0	0.014436246	0	0
cov1_3_4_5_8_10	33.825	-639.383	0.655033	0	0.061080561	0	0
cov2_3_4_5_8_10	33.8252	-639.383	0.6535807	0	0	0	0.041973195
cov1_2_4_5_8_9	33.8258	-639.384	0.6539395	0	0.01912819	0	0.025023023
cov2_4_5_8_10_11	33.8315	-639.386	0.6539291	0	0	0	0.028699638
cov3_4_5_7_9_10	33.8353	-639.388	0.6539841	0	0	0	0

cov1_2_4_5_8_10	33.8392	-639.39	0.6547812	0	0.019746074	0	0.024401003
cov1_4_5_8_9_11	33.8407	-639.391	0.6541638	0	0.031850796	0	0
cov1_4_5_8_9_10	33.8419	-639.392	0.6549597	0	0.039068679	0	0
cov1_4_5_8_10_11	33.8521	-639.397	0.6549201	0	0.031613089	0	0
cov4_5_8_9_10_11	33.8603	-639.401	0.6534587	0	0	0	0
cov3_4_5_8_9_11	33.8693	-639.405	0.6526768	0	0	0	0
cov3_4_5_8_10_11	33.8788	-639.41	0.6535408	0	0	0	0
cov1_2_4_6_7_9	33.9046	-639.423	0.6528291	0	-0.078756152	0	0.055502662
cov3_4_5_8_9_10	33.9046	-639.423	0.6538237	0	0	0	0
cov1_2_4_6_7_10	33.9092	-639.425	0.6537742	0	-0.077554125	0	0.054176647
cov1_4_6_7_8_10	33.9196	-639.43	0.6551593	0	-0.056436219	0	0
cov1_4_6_7_8_9	33.9232	-639.432	0.6542084	0	-0.057024484	0	0
cov1_2_4_7_9_10	33.9291	-639.435	0.6532968	0	-0.052798853	0	0.055190342
cov1_2_4_7_9_11	33.9345	-639.438	0.6523432	0	-0.060900542	0	0.055286041
cov1_2_4_7_10_11	33.9402	-639.441	0.653295	0	-0.059370569	0	0.053923012
cov1_2_3_4_7_9	33.9463	-639.444	0.6529295	0	-0.053694944	0	0.055022831
cov1_4_7_8_9_10	33.9528	-639.447	0.6546788	0	-0.027752469	0	0
cov1_2_3_4_7_10	33.9533	-639.447	0.6538571	0	-0.051697106	0	0.054141636
cov1_4_7_8_10_11	33.9564	-639.449	0.6545177	0	-0.036693345	0	0
cov1_3_4_7_8_9	33.959	-639.45	0.6545099	0	-0.032271255	0	0
cov1_4_7_8_9_11	33.9592	-639.45	0.6535619	0	-0.037555348	0	0
cov1_3_4_7_8_10	33.961	-639.451	0.6554316	0	-0.030637115	0	0
cov2_4_6_7_8_10	33.9758	-639.459	0.6559048	0	0	0	0.032784363
cov2_4_6_7_8_9	33.9775	-639.459	0.6550215	0	0	0	0.033822303
cov2_4_7_8_9_10	33.9852	-639.463	0.6562324	0	0	0	0.023924489
cov1_2_4_6_8_9	33.9853	-639.463	0.6528009	0	-0.077721072	0	0.054908798
cov2_4_7_8_10_11	33.9867	-639.464	0.6566545	0	0	0	0.029423661
cov1_2_4_6_8_10	33.9898	-639.466	0.6537483	0	-0.076559548	0	0.053605454
cov2_4_7_8_9_11	33.9899	-639.466	0.6558508	0	0	0	0.030227685
cov2_3_4_7_8_10	33.9976	-639.469	0.6563566	0	0	0	0.027081256
cov2_3_4_7_8_9	34.0041	-639.473	0.6555777	0	0	0	0.027156421
cov1_2_4_8_9_10	34.0065	-639.474	0.6532671	0	-0.052772844	0	0.054609307
cov1_2_4_8_9_11	34.0141	-639.478	0.6523548	0	-0.060252859	0	0.054800147
cov1_2_4_8_10_11	34.0196	-639.48	0.6532841	0	-0.058717006	0	0.053420201
cov4_6_7_8_9_10	34.0232	-639.482	0.655928	0	0	0	0
cov1_2_3_4_8_9	34.0247	-639.483	0.6527997	0	-0.053108269	0	0.055788792
cov4_7_8_9_10_11	34.0255	-639.483	0.6562284	0	0	0	0
cov3_4_7_8_9_10	34.0265	-639.484	0.6563288	0	0	0	0
cov1_2_3_4_8_10	34.0309	-639.486	0.6537315	0	-0.051109325	0	0.054894159
cov3_4_6_7_8_10	34.039	-639.49	0.6564773	0	0	0	0
cov3_4_7_8_10_11	34.0414	-639.491	0.6567472	0	0	0	0
cov4_6_7_8_10_11	34.0415	-639.491	0.6563759	0	0	0	0
cov3_4_6_7_8_9	34.0435	-639.492	0.6556223	0	0	0	0
cov3_4_7_8_9_11	34.0468	-639.494	0.6559565	0	0	0	0
cov4_6_7_8_9_11	34.0475	-639.494	0.6554968	0	0	0	0
cov1_4_6_7_9_10	34.0478	-639.495	0.6545946	0	-0.054866281	0	0
cov1_3_4_6_7_10	34.0542	-639.498	0.6553208	0	-0.05741166	0	0

cov1_3_4_6_7_9	34.0542	-639.498	0.6544206	0	-0.058382364	0	0
cov1_4_6_7_10_11	34.0545	-639.498	0.6545104	0	-0.061382501	0	0
cov1_4_6_7_9_11	34.0589	-639.5	0.6535718	0	-0.061785441	0	0
cov1_4_7_9_10_11	34.0751	-639.508	0.6538723	0	-0.037775081	0	0
cov1_3_4_7_9_10	34.0759	-639.509	0.6548795	0	-0.032374291	0	0
cov1_3_4_7_9_11	34.0798	-639.511	0.653825	0	-0.042137486	0	0
cov1_3_4_7_10_11	34.0809	-639.511	0.6547255	0	-0.040791996	0	0
cov2_4_6_7_9_10	34.0943	-639.518	0.6553405	0	0	0	0.033471484
cov2_4_6_7_10_11	34.1105	-639.526	0.6558755	0	0	0	0.034522775
cov2_4_7_9_10_11	34.1109	-639.526	0.6561966	0	0	0	0.029226662
cov2_4_6_7_9_11	34.1115	-639.526	0.6550599	0	0	0	0.035657153
cov2_3_4_6_7_10	34.1126	-639.527	0.6556921	0	0	0	0.034235173
cov2_3_4_6_7_9	34.1144	-639.528	0.6548445	0	0	0	0.034805467
cov2_3_4_7_9_10	34.1241	-639.533	0.655956	0	0	0	0.026118645
cov1_4_6_8_9_10	34.125	-639.533	0.6545546	0	-0.054157502	0	0
cov2_3_4_7_10_11	34.1265	-639.534	0.656412	0	0	0	0.030983168
cov2_3_4_7_9_11	34.1304	-639.536	0.6556623	0	0	0	0.031329625
cov1_4_6_8_10_11	34.1338	-639.538	0.6545091	0	-0.060124772	0	0
cov1_4_6_8_9_11	34.1382	-639.54	0.6535814	0	-0.060525063	0	0
cov1_3_4_6_8_10	34.1384	-639.54	0.6552059	0	-0.055756192	0	0
cov1_3_4_6_8_9	34.1394	-639.54	0.6542968	0	-0.056717631	0	0
cov1_4_8_9_10_11	34.1515	-639.546	0.65395	0	-0.037402934	0	0
cov1_3_4_5_6_9	34.1556	-639.548	0.6533632	0	0.085766014	0	0
cov1_3_4_5_6_10	34.1563	-639.549	0.6541591	0	0.085229582	0	0
cov1_3_4_8_9_10	34.1577	-639.55	0.6547663	0	-0.031483601	0	0
cov3_4_6_7_9_10	34.1585	-639.55	0.6559666	0	0	0	0
cov4_6_7_9_10_11	34.1631	-639.552	0.6558125	0	0	0	0
cov3_4_7_9_10_11	34.164	-639.553	0.6563321	0	0	0	0
cov1_3_4_8_9_11	34.1647	-639.553	0.6537411	0	-0.040648533	0	0
cov1_3_4_8_10_11	34.1648	-639.553	0.6546451	0	-0.039310512	0	0
cov2_4_6_8_9_10	34.1696	-639.555	0.655285	0	0	0	0.03319655
cov3_4_6_7_10_11	34.1772	-639.559	0.6564047	0	0	0	0
cov3_4_6_7_9_11	34.1812	-639.561	0.6555681	0	0	0	0
cov2_4_6_8_10_11	34.1853	-639.563	0.6558924	0	0	0	0.03437072
cov2_3_4_6_8_10	34.1859	-639.564	0.6555368	0	0	0	0.035278536
cov2_4_8_9_10_11	34.1862	-639.564	0.6562059	0	0	0	0.02897639
cov2_4_6_8_9_11	34.1863	-639.564	0.654999	0	0	0	0.035520345
cov2_3_4_6_8_9	34.1885	-639.565	0.6546839	0	0	0	0.035860744
cov1_2_3_4_5_9	34.1946	-639.568	0.6527581	0	0.1002006	0	0.021279046
cov1_3_4_5_9_10	34.1974	-639.569	0.6537013	0	0.11485964	0	0
cov2_3_4_8_9_10	34.1976	-639.569	0.6558026	0	0	0	0.027178417
cov1_2_3_4_5_10	34.1984	-639.57	0.653577	0	0.10068588	0	0.020786348
cov2_3_4_8_10_11	34.1988	-639.57	0.6562631	0	0	0	0.032212433
cov2_3_4_8_9_11	34.2033	-639.572	0.6554982	0	0	0	0.032577213
cov1_3_4_5_9_11	34.2139	-639.578	0.6532313	0	0.11516849	0	0
cov1_3_4_5_10_11	34.2167	-639.579	0.6540301	0	0.11496932	0	0
cov2_3_4_5_6_9	34.2256	-639.583	0.6514988	0	0	0	0.042701541

cov2_3_4_5_6_10	34.2268	-639.584	0.6523822	0	0	0	0.042122903
cov3_4_6_8_9_10	34.2359	-639.589	0.6558256	0	0	0	0
cov4_6_8_9_10_11	34.2372	-639.589	0.6557617	0	0	0	0
cov1_2_3_7_8_9	34.2396	-639.59	0.6531614	0	-0.031544053	0	0.11201063
cov3_4_8_9_10_11	34.2407	-639.591	0.6561862	0	0	0	0
cov1_2_6_7_8_9	34.2463	-639.594	0.6539925	0	-0.068247179	0	0.10784299
cov1_2_3_7_8_10	34.2502	-639.596	0.6540044	0	-0.029602429	0	0.11148801
cov3_4_6_8_10_11	34.2545	-639.598	0.6562937	0	0	0	0
cov3_4_6_8_9_11	34.2593	-639.6	0.6554327	0	0	0	0
cov1_2_6_7_8_10	34.2605	-639.601	0.6547831	0	-0.067098203	0	0.10732849
cov1_2_5_7_8_9	34.2775	-639.609	0.6535198	0	-0.061839962	0	0.10902651
cov2_3_5_7_8_9	34.2798	-639.611	0.653993	0	0	0	0.10221778
cov2_3_5_7_8_10	34.2875	-639.614	0.6547805	0	0	0	0.10182253
cov1_2_5_7_8_10	34.2906	-639.616	0.6543857	0	-0.061232227	0	0.10837884
cov2_3_7_8_9_10	34.2992	-639.62	0.6551289	0	0	0	0.087255124
cov3_4_5_6_9_10	34.3058	-639.624	0.6527669	0	0	0	0
cov1_2_3_6_7_9	34.3121	-639.627	0.6529595	0	-0.065863819	0	0.1091933
cov2_3_7_8_9_11	34.3128	-639.627	0.6547988	0	0	0	0.089256834
cov2_3_6_7_8_9	34.3144	-639.628	0.6547383	0	0	0	0.087545993
cov1_2_7_8_9_11	34.3145	-639.628	0.653641	0	-0.04004363	0	0.10983456
cov2_3_7_8_10_11	34.3156	-639.628	0.6555064	0	0	0	0.089584284
cov2_3_6_7_8_10	34.3164	-639.629	0.6555098	0	0	0	0.087389975
cov3_4_5_6_10_11	34.3179	-639.63	0.652835	0	0	0	0
cov1_2_7_8_9_10	34.3192	-639.63	0.6544409	0	-0.032032132	0	0.11047214
cov1_2_3_6_7_10	34.32	-639.631	0.6537727	0	-0.064606896	0	0.10864459
cov3_4_5_6_9_11	34.3201	-639.631	0.6519625	0	0	0	0
cov1_2_7_8_10_11	34.3309	-639.636	0.6544444	0	-0.038467073	0	0.10926351
cov1_2_5_6_7_9	34.3519	-639.647	0.6533351	0	-0.092322746	0	0.10653542
cov1_2_5_6_7_10	34.3624	-639.652	0.6541914	0	-0.092305437	0	0.1058473
cov1_2_3_7_9_11	34.3726	-639.657	0.6525643	0	-0.03960814	0	0.11094002
cov1_2_3_7_9_10	34.3739	-639.658	0.6534594	0	-0.031024073	0	0.11162717
cov1_2_3_5_7_9	34.3808	-639.661	0.6530123	0	-0.043569188	0	0.11100889
cov1_2_3_6_8_9	34.3823	-639.662	0.6528347	0	-0.064827288	0	0.10928068
cov1_2_3_7_10_11	34.3824	-639.662	0.653392	0	-0.037936466	0	0.11039167
cov1_2_6_7_9_10	34.3878	-639.665	0.6542081	0	-0.065734885	0	0.10776331
cov1_2_6_7_9_11	34.388	-639.665	0.6535259	0	-0.07095463	0	0.10739004
cov1_2_3_6_8_10	34.3895	-639.665	0.6536642	0	-0.06360462	0	0.1087155
cov1_2_3_5_7_10	34.3909	-639.666	0.6538639	0	-0.042353285	0	0.11042457
cov2_5_7_8_9_10	34.393	-639.667	0.6559659	0	0	0	0.089395424
cov2_7_8_9_10_11	34.3942	-639.668	0.6561672	0	0	0	0.087625193
cov2_6_7_8_9_10	34.3961	-639.669	0.6560894	0	0	0	0.086092147
cov2_5_6_7_8_9	34.4008	-639.671	0.6557168	0	0	0	0.088872082
cov2_5_7_8_9_11	34.4009	-639.671	0.6556843	0	0	0	0.090626046
cov1_2_6_7_10_11	34.4018	-639.672	0.6542895	0	-0.069979937	0	0.10683442
cov2_6_7_8_9_11	34.4035	-639.672	0.6558894	0	0	0	0.087340916
cov1_2_5_7_9_11	34.4045	-639.673	0.6529024	0	-0.069745762	0	0.10806627
cov1_2_5_7_9_10	34.4054	-639.673	0.6537735	0	-0.062687246	0	0.10845477

cov2_5_6_7_8_10	34.4113	-639.676	0.6564559	0	0	0	0.088278876
cov2_5_7_8_10_11	34.4119	-639.677	0.6564115	0	0	0	0.090110602
cov2_3_5_6_7_9	34.4125	-639.677	0.654105	0	0	0	0.097999628
cov2_6_7_8_10_11	34.413	-639.677	0.6566149	0	0	0	0.087068797
cov2_3_5_7_9_10	34.416	-639.679	0.6543036	0	0	0	0.10126536
cov1_2_5_7_10_11	34.4166	-639.679	0.6537558	0	-0.069423957	0	0.10738522
cov2_3_5_6_7_10	34.4183	-639.68	0.6548999	0	0	0	0.097638293
cov2_3_4_5_9_10	34.4233	-639.682	0.6506002	0	0	0	0.063940337
cov2_3_5_7_9_11	34.4265	-639.684	0.6538248	0	0	0	0.10086863
cov2_3_4_5_9_11	34.4273	-639.684	0.6496764	0	0	0	0.060610576
cov2_3_4_5_10_11	34.4322	-639.687	0.6506168	0	0	0	0.060083494
cov2_3_5_7_10_11	34.4336	-639.687	0.6545764	0	0	0	0.10045536
cov1_2_3_8_9_10	34.4405	-639.691	0.6533427	0	-0.030720073	0	0.11165079
cov1_2_3_8_9_11	34.4417	-639.691	0.6524805	0	-0.038742031	0	0.11104127
cov1_2_5_6_8_9	34.4428	-639.692	0.6533129	0	-0.091090933	0	0.10650498
cov2_3_7_9_10_11	34.4446	-639.693	0.6550832	0	0	0	0.089065688
cov2_3_6_7_9_10	34.4457	-639.693	0.6550032	0	0	0	0.088170509
cov1_2_7_9_10_11	34.4465	-639.694	0.6538457	0	-0.039841239	0	0.10949988
cov1_2_3_8_10_11	34.4508	-639.696	0.6533052	0	-0.037068876	0	0.1104858
cov1_2_3_5_8_9	34.4509	-639.696	0.6529155	0	-0.039576274	0	0.11131791
cov1_2_5_6_8_10	34.4533	-639.697	0.6541507	0	-0.091089734	0	0.1058371
cov2_3_6_7_9_11	34.4593	-639.7	0.6547275	0	0	0	0.089135615
cov1_2_3_5_8_10	34.4603	-639.701	0.6537731	0	-0.038393005	0	0.11072427
cov2_3_6_7_10_11	34.4621	-639.702	0.6554803	0	0	0	0.088858473
cov2_3_5_6_8_9	34.4725	-639.707	0.6539818	0	0	0	0.099055237
cov2_3_5_8_9_10	34.4775	-639.709	0.6541333	0	0	0	0.10238587
cov2_3_5_6_8_10	34.4779	-639.71	0.6547403	0	0	0	0.098568391
cov1_2_6_8_9_10	34.4787	-639.71	0.6541736	0	-0.064508455	0	0.10772893
cov1_2_6_8_9_11	34.4804	-639.711	0.6535461	0	-0.069186536	0	0.10742418
cov2_3_5_8_9_11	34.4885	-639.715	0.6536519	0	0	0	0.10202784
cov1_2_5_8_9_10	34.4923	-639.717	0.6537852	0	-0.062579746	0	0.1085109
cov1_2_5_8_9_11	34.4935	-639.717	0.6529292	0	-0.068821613	0	0.10803844
cov1_2_6_8_10_11	34.4943	-639.718	0.6543249	0	-0.068207429	0	0.10686686
cov2_3_5_8_10_11	34.4952	-639.718	0.6544097	0	0	0	0.10160567
cov1_2_5_8_10_11	34.5056	-639.723	0.6537755	0	-0.068499085	0	0.10735979
cov2_3_8_9_10_11	34.5095	-639.725	0.6548763	0	0	0	0.089631945
cov2_3_6_8_9_10	34.5109	-639.726	0.6548661	0	0	0	0.0885509
cov2_3_6_8_9_11	34.5247	-639.733	0.6546076	0	0	0	0.089652531
cov2_3_6_8_10_11	34.5269	-639.734	0.6553582	0	0	0	0.089367608
cov2_5_7_9_10_11	34.5325	-639.737	0.6559102	0	0	0	0.089989982
cov2_5_6_7_9_10	34.5329	-639.737	0.6558945	0	0	0	0.088895562
cov2_6_7_9_10_11	34.5343	-639.738	0.6560396	0	0	0	0.087797923
cov1_2_8_9_10_11	34.5353	-639.738	0.6538628	0	-0.038972222	0	0.10947227
cov2_5_6_7_9_11	34.5405	-639.741	0.6556887	0	0	0	0.089855266
cov2_5_6_7_10_11	34.5511	-639.746	0.6563347	0	0	0	0.089283797
cov2_5_8_9_10_11	34.6178	-639.78	0.6558965	0	0	0	0.090195235
cov2_5_6_8_9_10	34.6188	-639.78	0.6557982	0	0	0	0.089072269



cov3_4_5_9_10_11	34.6191	-639.78	0.6503995	0	0	0	0
cov2_6_8_9_10_11	34.6192	-639.78	0.6560045	0	0	0	0.088283752
cov2_5_6_8_9_11	34.626	-639.784	0.6556439	0	0	0	0.090163775
cov2_5_6_8_10_11	34.6367	-639.789	0.6563884	0	0	0	0.089546693
cov1_2_3_4_6_10	34.8958	-639.919	0.6517078	0	-0.070328007	0	0.071763086
cov1_4_5_6_7_8	34.9	-639.921	0.6550637	0	0.091422995	0	0
cov1_2_3_4_6_9	34.9121	-639.927	0.6506584	0	-0.071720287	0	0.073087686
cov1_2_3_4_9_10	34.9367	-639.939	0.6512906	0	-0.040692517	0	0.072402137
cov2_4_5_6_7_8	34.9444	-639.943	0.6528562	0	0	0	0.055027878
cov2_3_5_6_9_10	34.9483	-639.945	0.6525289	0	0	0	0.11059831
cov1_2_3_4_10_11	34.9558	-639.949	0.6520667	0	-0.035504112	0	0.072538565
cov1_2_3_5_6_10	34.9617	-639.951	0.6526651	0	-0.012592272	0	0.112657
cov2_3_5_6_10_11	34.9628	-639.952	0.6530846	0	0	0	0.11117684
cov1_2_3_5_6_9	34.964	-639.953	0.6518237	0	-0.012545442	0	0.11334232
cov2_3_5_6_9_11	34.9646	-639.953	0.6523145	0	0	0	0.11190537
cov1_2_3_4_9_11	34.969	-639.955	0.6510173	0	-0.037059221	0	0.073894866
cov2_3_4_9_10_11	35.0059	-639.974	0.6536082	0	0	0	0.057642774
cov1_2_4_5_6_7	35.0086	-639.975	0.6540446	0	0.067751659	0	0.030514422
cov2_3_4_6_10_11	35.0234	-639.982	0.6540342	0	0	0	0.057067185
cov1_2_4_5_7_8	35.0322	-639.987	0.6540505	0	0.12363138	0	0.031721829
cov1_3_4_5_6_7	35.0342	-639.988	0.6547507	0	0.10558826	0	0
cov1_2_3_5_9_10	35.0416	-639.991	0.6523393	0	0.023109501	0	0.11579051
cov2_3_4_6_9_11	35.0427	-639.992	0.6531577	0	0	0	0.058135584
cov1_4_5_6_7_11	35.0454	-639.993	0.6546762	0	0.089747203	0	0
cov2_3_4_6_9_10	35.047	-639.994	0.6529744	0	0	0	0.053471993
cov2_3_5_9_10_11	35.0568	-639.999	0.651606	0	0	0	0.12149143
cov3_6_7_8_10_11	35.0606	-640.001	0.657767	0	0	0	0
cov1_2_3_5_9_11	35.0612	-640.001	0.651964	0	0.024806795	0	0.11635459
cov1_2_3_5_10_11	35.0616	-640.001	0.6528402	0	0.025076591	0	0.11564648
cov3_6_7_8_9_11	35.0623	-640.002	0.6570274	0	0	0	0
cov1_3_4_5_7_8	35.0645	-640.003	0.6547762	0	0.16258374	0	0
cov3_5_6_7_8_10	35.0656	-640.003	0.6583938	0	0	0	0
cov1_4_5_7_8_11	35.0661	-640.004	0.6544971	0	0.14358612	0	0
cov3_5_6_7_8_9	35.068	-640.005	0.6576172	0	0	0	0
cov3_6_7_8_9_10	35.0723	-640.007	0.6579465	0	0	0	0
cov1_2_3_6_9_10	35.076	-640.009	0.6515444	0	-0.062358323	0	0.10924158
cov2_4_5_6_7_11	35.0833	-640.012	0.6523127	0	0	0	0.052688651
cov1_3_6_7_8_10	35.0835	-640.012	0.6584595	0	0.011615094	0	0
cov5_6_7_8_9_10	35.0841	-640.013	0.6586605	0	0	0	0
cov1_3_6_7_8_9	35.0844	-640.013	0.6576967	0	0.010774508	0	0
cov1_5_6_7_8_10	35.0849	-640.013	0.6585947	0	-0.025716954	0	0
cov1_5_6_7_8_9	35.0849	-640.013	0.6577924	0	-0.024954384	0	0
cov1_2_4_5_6_8	35.0851	-640.013	0.6540292	0	0.069974793	0	0.029452829
cov1_2_3_6_10_11	35.0901	-640.016	0.6522881	0	-0.058012783	0	0.10947148
cov5_6_7_8_9_11	35.0905	-640.016	0.6579565	0	0	0	0
cov5_6_7_8_10_11	35.091	-640.016	0.6587346	0	0	0	0
cov4_5_6_7_8_11	35.0946	-640.018	0.6532444	0	0	0	0

cov1_3_4_5_6_8	35.0969	-640.019	0.6546487	0	0.11057472	0	0
cov2_3_4_5_6_7	35.0969	-640.019	0.6526308	0	0	0	0.056889125
cov1_2_3_6_9_11	35.0997	-640.02	0.651389	0	-0.059052878	0	0.11018667
cov1_4_5_6_8_11	35.1202	-640.031	0.6546696	0	0.091593292	0	0
cov6_7_8_9_10_11	35.1223	-640.032	0.658386	0	0	0	0
cov3_4_5_6_7_8	35.1254	-640.033	0.6542454	0	0	0	0
cov1_6_7_8_9_11	35.1348	-640.038	0.6580491	0	0.000910047	0	0
cov1_3_4_6_9_10	35.1377	-640.039	0.6530012	0	-0.043209526	0	0
cov1_6_7_8_10_11	35.1399	-640.041	0.6587972	0	0.001501029	0	0
cov1_6_7_8_9_10	35.1437	-640.042	0.6590058	0	0.010053691	0	0
cov1_3_4_6_10_11	35.1525	-640.047	0.65372	0	-0.038932694	0	0
cov1_2_3_4_5_7	35.1545	-640.048	0.6537149	0	0.1341194	0	0.033400617
cov5_7_8_9_10_11	35.1573	-640.049	0.657409	0	0	0	0
cov1_2_3_9_10_11	35.1591	-640.05	0.6518223	0	-0.0231496	0	0.11246673
cov1_2_4_5_7_11	35.1593	-640.05	0.6535516	0	0.11703301	0	0.031158073
cov2_4_5_6_8_11	35.1674	-640.054	0.6522685	0	0	0	0.052635578
cov3_5_7_8_10_11	35.1693	-640.055	0.6573155	0	0	0	0
cov3_5_7_8_9_11	35.17	-640.056	0.6565004	0	0	0	0
cov1_5_7_8_9_11	35.1765	-640.059	0.6571524	0	0.00573604	0	0
cov2_3_4_5_6_8	35.1769	-640.059	0.6524557	0	0	0	0.058155594
cov1_5_7_8_10_11	35.1777	-640.059	0.6579726	0	0.005140237	0	0
cov1_3_4_6_9_11	35.178	-640.06	0.6527242	0	-0.039424395	0	0
cov2_3_6_9_10_11	35.1784	-640.06	0.6536512	0	0	0	0.093469562
cov3_4_6_9_10_11	35.1861	-640.064	0.6543369	0	0	0	0
cov1_3_7_8_9_11	35.1901	-640.066	0.6571289	0	0.046760303	0	0
cov1_3_7_8_10_11	35.1911	-640.066	0.6579012	0	0.047957399	0	0
cov1_5_7_8_9_10	35.1911	-640.066	0.6583524	0	0.018020918	0	0
cov1_3_4_5_7_11	35.1921	-640.067	0.6542178	0	0.15345507	0	0
cov1_3_5_7_8_9	35.1966	-640.069	0.6576977	0	0.031553116	0	0
cov1_3_5_7_8_10	35.1971	-640.069	0.6585129	0	0.032023885	0	0
cov1_3_4_9_10_11	35.2006	-640.071	0.6531781	0	-0.008868237	0	0
cov3_5_6_7_10_11	35.2031	-640.072	0.6578371	0	0	0	0
cov3_6_7_9_10_11	35.2031	-640.072	0.6572863	0	0	0	0
cov3_5_7_8_9_10	35.2033	-640.072	0.6576716	0	0	0	0
cov3_5_6_7_9_10	35.2045	-640.073	0.6579419	0	0	0	0
cov3_5_6_7_9_11	35.2061	-640.074	0.6570722	0	0	0	0
cov1_3_7_8_9_10	35.2084	-640.075	0.6583395	0	0.061373741	0	0
cov1_5_6_7_10_11	35.2132	-640.077	0.6578381	0	-0.033176566	0	0
cov1_5_6_7_9_11	35.2142	-640.078	0.6570471	0	-0.03220483	0	0
cov1_2_3_4_5_8	35.2157	-640.078	0.6536403	0	0.13875176	0	0.032881956
cov1_5_6_7_9_10	35.2181	-640.08	0.6580781	0	-0.024306617	0	0
cov1_3_6_7_10_11	35.2188	-640.08	0.6577352	0	0.004383689	0	0
cov1_3_5_6_7_10	35.2189	-640.08	0.6582044	0	-0.011116515	0	0
cov1_3_6_7_9_11	35.2203	-640.081	0.6569864	0	0.003729457	0	0
cov1_3_5_6_7_9	35.2211	-640.081	0.6574177	0	-0.011089913	0	0
cov5_6_7_9_10_11	35.2214	-640.081	0.6581971	0	0	0	0
cov1_3_6_7_9_10	35.2262	-640.084	0.6580212	0	0.013446792	0	0

cov1_2_4_5_8_11	35.2315	-640.086	0.6535796	0	0.11872808	0	0.030207429
cov3_4_5_6_7_11	35.243	-640.092	0.6533569	0	0	0	0
cov1_7_8_9_10_11	35.2463	-640.094	0.6584745	0	0.04556682	0	0
cov1_3_4_5_8_11	35.2534	-640.097	0.6541516	0	0.15823675	0	0
cov1_6_7_9_10_11	35.2739	-640.108	0.6582923	0	0.003091592	0	0
cov3_6_8_9_10_11	35.277	-640.109	0.6571529	0	0	0	0
cov3_5_6_8_10_11	35.2793	-640.11	0.6576809	0	0	0	0
cov3_5_6_8_9_10	35.2802	-640.111	0.6577856	0	0	0	0
cov3_5_6_8_9_11	35.283	-640.112	0.6569154	0	0	0	0
cov3_5_7_9_10_11	35.2899	-640.116	0.656881	0	0	0	0
cov1_3_6_8_10_11	35.292	-640.117	0.6576448	0	0.006000412	0	0
cov1_3_6_8_9_11	35.2944	-640.118	0.6568797	0	0.005349743	0	0
cov1_3_5_6_8_10	35.2964	-640.119	0.6580928	0	-0.006132633	0	0
cov1_5_7_9_10_11	35.2965	-640.119	0.6574329	0	0.003871796	0	0
cov1_3_6_8_9_10	35.2971	-640.119	0.6578898	0	0.014528007	0	0
cov1_3_5_6_8_9	35.2993	-640.12	0.6573085	0	-0.006086148	0	0
cov1_3_5_7_10_11	35.3041	-640.123	0.6575881	0	0.016555786	0	0
cov1_3_5_7_9_11	35.305	-640.123	0.6567917	0	0.016338396	0	0
cov1_5_6_8_10_11	35.3062	-640.124	0.6578517	0	-0.031375402	0	0
cov1_5_6_8_9_11	35.3071	-640.124	0.6570615	0	-0.030405903	0	0
cov1_5_6_8_9_10	35.3083	-640.125	0.6580585	0	-0.023108263	0	0
cov5_6_8_9_10_11	35.3116	-640.126	0.6581857	0	0	0	0
cov1_3_7_9_10_11	35.3182	-640.13	0.6574351	0	0.046860354	0	0
cov1_3_5_7_9_10	35.32	-640.131	0.6580182	0	0.028981409	0	0
cov3_4_5_6_8_11	35.3318	-640.137	0.6532098	0	0	0	0
cov1_6_8_9_10_11	35.3668	-640.154	0.6583021	0	0.004882237	0	0
cov3_5_8_9_10_11	35.3722	-640.157	0.6567029	0	0	0	0
cov1_3_5_8_10_11	35.3817	-640.161	0.6575122	0	0.021441349	0	0
cov1_3_5_8_9_11	35.3833	-640.162	0.6567159	0	0.021251934	0	0
cov3_7_8_9_10_11	35.3849	-640.163	0.6550204	0	0	0	0
cov1_5_8_9_10_11	35.385	-640.163	0.6574477	0	0.004778247	0	0
cov1_3_8_9_10_11	35.3883	-640.165	0.657337	0	0.047811082	0	0
cov1_3_5_8_9_10	35.3949	-640.168	0.6579097	0	0.033242641	0	0
cov2_4_5_7_8_11	35.3981	-640.17	0.6492014	0	0	0	0.092465639
cov1_4_5_6_9_11	35.4164	-640.179	0.6559956	0	0.042261272	0	0
cov1_4_5_6_10_11	35.4334	-640.187	0.6567775	0	0.04174641	0	0
cov4_5_6_9_10_11	35.4457	-640.194	0.6555602	0	0	0	0
cov1_4_5_9_10_11	35.4561	-640.199	0.6561926	0	0.067975852	0	0
cov2_3_4_5_7_8	35.457	-640.199	0.6509232	0	0	0	0.093637458
cov2_4_5_6_9_11	35.4572	-640.199	0.6551859	0	0	0	0.002207431
cov1_2_4_5_9_11	35.4574	-640.199	0.6562258	0	0.079801395	0	-0.013588886
cov2_4_5_6_10_11	35.4732	-640.207	0.6560301	0	0	0	0.001436133
cov1_2_4_5_6_9	35.4746	-640.208	0.6554833	0	0.041306853	0	-0.018140284
cov1_2_4_5_10_11	35.4757	-640.208	0.6570405	0	0.080459206	0	-0.014320573
cov1_4_5_6_9_10	35.4795	-640.21	0.6551731	0	0.025416874	0	0
cov1_2_4_5_6_10	35.4894	-640.215	0.6562036	0	0.041476608	0	-0.018849727
cov2_4_5_6_9_10	35.4938	-640.218	0.6549304	0	0	0	-0.005230567

cov2_3_4_5_7_11	35.5	-640.221	0.6499784	0	0	0	0.082582427
cov1_2_4_5_9_10	35.5031	-640.222	0.655681	0	0.065326242	0	-0.017914235
cov1_2_3_4_5_6	35.534	-640.238	0.6529856	0	0.15017851	0	0.024943159
cov2_3_5_6_7_8	35.5533	-640.247	0.6530453	0	0	0	0.11781145
cov1_3_4_5_6_11	35.5578	-640.25	0.6539857	0	0.17142078	0	0
cov1_2_5_6_7_8	35.5852	-640.263	0.653266	0	-0.021862424	0	0.11680602
cov2_3_4_5_8_11	35.5928	-640.267	0.6497749	0	0	0	0.084284009
cov2_4_5_9_10_11	35.5935	-640.267	0.6541178	0	0	0	0.018288596
cov2_5_6_7_8_11	35.5967	-640.269	0.6537454	0	0	0	0.11183411
cov1_2_4_6_7_8	35.6979	-640.32	0.6519967	0	-0.070334275	0	0.099297929
cov2_3_5_6_7_11	35.7036	-640.322	0.6528212	0	0	0	0.11719221
cov1_2_3_5_6_7	35.7047	-640.323	0.6528824	0	-0.005104958	0	0.11863331
cov1_2_5_6_7_11	35.7296	-640.335	0.6529654	0	-0.022622892	0	0.11663289
cov1_2_3_4_5_11	35.732	-640.337	0.6531023	0	0.21291869	0	0.026052657
cov1_2_3_6_7_8	35.7388	-640.34	0.6526166	0	-0.066592035	0	0.11472036
cov1_2_6_7_8_11	35.752	-640.347	0.6520903	0	-0.068587134	0	0.11514733
cov1_2_3_4_6_7	35.7574	-640.349	0.652677	0	-0.07153952	0	0.085949424
cov2_3_5_6_8_11	35.7826	-640.362	0.6526483	0	0	0	0.11842509
cov1_2_3_5_6_8	35.784	-640.363	0.6527817	0	-0.000188157	0	0.1190268
cov1_2_3_5_7_8	35.7951	-640.368	0.6530749	0	0.055997338	0	0.1239058
cov3_4_5_7_8_11	35.8006	-640.371	0.6509974	0	0	0	0
cov2_3_4_6_7_8	35.8032	-640.372	0.6544649	0	0	0	0.067648883
cov1_2_5_7_8_11	35.8087	-640.375	0.6529205	0	0.03528193	0	0.12152543
cov1_2_5_6_8_11	35.825	-640.383	0.6529681	0	-0.020710689	0	0.11667344
cov1_2_3_4_7_8	35.832	-640.387	0.6527908	0	-0.015428053	0	0.088895354
cov1_2_4_6_7_11	35.8401	-640.391	0.6517005	0	-0.070582353	0	0.0991156
cov2_3_4_7_8_11	35.8496	-640.395	0.6535898	0	0	0	0.079297374
cov2_3_5_7_8_11	35.8519	-640.397	0.6511655	0	0	0	0.13466874
cov2_4_6_7_8_11	35.8577	-640.399	0.6540064	0	0	0	0.081826477
cov1_2_3_4_6_8	35.868	-640.405	0.652525	0	-0.069799151	0	0.087060504
cov1_2_3_6_7_11	35.8786	-640.41	0.6523688	0	-0.066956627	0	0.11449651
cov2_3_6_7_8_11	35.8837	-640.412	0.6545143	0	0	0	0.095677451
cov1_2_3_5_7_11	35.9215	-640.431	0.6525687	0	0.048101466	0	0.12292541
cov2_3_4_6_7_11	35.9224	-640.432	0.6546677	0	0	0	0.069333279
cov1_2_4_7_8_11	35.9296	-640.435	0.6515221	0	-0.013817604	0	0.10338315
cov1_3_5_6_9_10	35.9306	-640.436	0.656605	0	0.055762882	0	0
cov1_2_4_6_8_11	35.933	-640.437	0.6516904	0	-0.068912781	0	0.098731184
cov1_3_5_6_10_11	35.9443	-640.443	0.6568547	0	0.055528526	0	0
cov1_2_3_4_7_11	35.9467	-640.444	0.6523447	0	-0.021437102	0	0.087633567
cov1_3_5_6_9_11	35.9581	-640.45	0.6560796	0	0.056521853	0	0
cov1_2_4_6_9_11	35.9592	-640.45	0.654492	0	-0.063366927	0	0.033707586
cov1_2_4_6_10_11	35.9631	-640.452	0.6554722	0	-0.062248518	0	0.032184211
cov1_2_3_7_8_11	35.9662	-640.454	0.6523317	0	-0.010606807	0	0.11931607
cov2_3_4_5_6_11	35.9775	-640.459	0.6500998	0	0	0	0.075542524
cov1_2_3_6_8_11	35.9821	-640.462	0.6522739	0	-0.065008304	0	0.11473869
cov1_2_4_9_10_11	35.991	-640.466	0.6548963	0	-0.035370293	0	0.03308409
cov1_4_6_9_10_11	35.9936	-640.467	0.655648	0	-0.050135177	0	0

cov3_5_6_9_10_11	35.9979	-640.47	0.6555203	0	0	0
cov1_2_3_5_8_11	35.9983	-640.47	0.652508	0	0.052723725	0.12331132
cov1_3_4_6_7_8	36.0052	-640.473	0.6555306	0	-0.039340817	0
cov1_3_6_9_10_11	36.0069	-640.474	0.6559509	0	0.017017377	0
cov2_3_4_6_8_11	36.0239	-640.483	0.6545024	0	0	0.0709099
cov1_2_4_6_9_10	36.0257	-640.483	0.6537327	0	-0.079335619	0.028616783
cov1_2_3_4_8_11	36.0531	-640.497	0.652247	0	-0.019943549	0.088705794
cov2_4_6_9_10_11	36.0585	-640.5	0.6567931	0	0	0.018426874
cov3_4_6_7_8_11	36.0635	-640.502	0.6562107	0	0	0
cov1_3_5_9_10_11	36.0835	-640.512	0.6564894	0	0.10131036	0
cov1_3_4_6_7_11	36.1318	-640.537	0.6551413	0	-0.04202781	0
cov1_3_4_7_8_11	36.2246	-640.583	0.6550226	0	0.014250365	0
cov1_3_4_6_8_11	36.2536	-640.597	0.6550462	0	-0.039194292	0
cov1_4_6_7_8_11	36.2602	-640.601	0.6543503	0	-0.028329377	0
cov1_2_3_5_6_11	36.4762	-640.709	0.6521731	0	0.06899689	0.1248521
cov1_5_6_7_8_11	36.6439	-640.793	0.657866	0	0.053053263	0
cov1_3_5_6_7_8	36.6479	-640.795	0.6581731	0	0.067960899	0
cov3_5_6_7_8_11	36.7156	-640.828	0.6569111	0	0	0
cov1_3_6_7_8_11	36.7592	-640.85	0.6573763	0	0.010168381	0
cov1_3_5_6_7_11	36.7878	-640.865	0.6576248	0	0.061750717	0
cov1_2_4_5_6_11	36.795	-640.868	0.6562247	0	0.13466571	-0.009264955
cov1_2_5_6_9_11	36.875	-640.908	0.6555754	0	-0.063823083	0.1039522
cov1_3_5_6_8_11	36.8761	-640.909	0.6575337	0	0.067644314	0
cov1_2_5_6_10_11	36.891	-640.916	0.6563897	0	-0.063864725	0.1032598
cov1_2_6_9_10_11	36.8954	-640.918	0.6563234	0	-0.042304072	0.10487754
cov2_5_6_9_10_11	36.9515	-640.946	0.6575457	0	0	0.092840215
cov1_2_5_9_10_11	36.9652	-640.953	0.6559434	0	-0.028779844	0.10642423
cov1_3_5_7_8_11	36.9709	-640.956	0.6577049	0	0.13414326	0
cov1_2_5_6_9_10	36.9934	-640.967	0.6544669	0	-0.084078512	0.10055635
cov1_2_3_4_6_11	37.558	-641.25	0.6508712	0	-0.047949178	0.11977487
cov1_5_6_9_10_11	37.6947	-641.318	0.6597816	0	-0.001622268	0
cov2_4_5_6_7_8_9	40.7749	-639.253	0.654266	0	0	0.022139807
cov3_4_5_6_7_8_9	40.7849	-639.258	0.6541662	0	0	0
cov2_4_5_6_7_8_10	40.7865	-639.259	0.6550851	0	0	0.021488912
cov3_4_5_6_7_8_10	40.7925	-639.262	0.6549846	0	0	0
cov4_5_6_7_8_9_11	40.7925	-639.262	0.6542326	0	0	0
cov4_5_6_7_8_9_10	40.7927	-639.262	0.6549592	0	0	0
cov1_4_5_6_7_8_9	40.801	-639.266	0.6547728	0	0.011711678	0
cov4_5_6_7_8_10_11	40.802	-639.267	0.6550477	0	0	0
cov1_4_5_6_7_8_10	40.8112	-639.272	0.6555782	0	0.011144747	0
cov2_4_5_7_8_9_11	40.8113	-639.272	0.6532376	0	0	0.029407465
cov2_3_4_5_7_8_9	40.8125	-639.272	0.6529572	0	0	0.041465769
cov2_4_5_7_8_9_10	40.8176	-639.275	0.6539101	0	0	0.033878611
cov1_2_4_5_7_8_9	40.8208	-639.276	0.6540555	0	0.018206116	0.025873568
cov1_3_4_5_7_8_9	40.8216	-639.277	0.6544115	0	0.057579038	0
cov2_4_5_7_8_10_11	40.8243	-639.278	0.6540718	0	0	0.02890478
cov2_3_4_5_7_8_10	40.8254	-639.279	0.6538111	0	0	0.041282923

cov1_3_4_5_7_8_10	40.8313	-639.282	0.6552159	0	0.058357491	0	0
cov1_2_4_5_7_8_10	40.8344	-639.283	0.6548997	0	0.01883253	0	0.025248403
cov1_4_5_7_8_9_11	40.8357	-639.284	0.6542162	0	0.031056089	0	0
cov1_4_5_7_8_9_10	40.8386	-639.285	0.6550823	0	0.038851012	0	0
cov1_4_5_7_8_10_11	40.8472	-639.29	0.6550273	0	0.030818826	0	0
cov4_5_7_8_9_10_11	40.8536	-639.293	0.6535997	0	0	0	0
cov3_4_5_7_8_9_11	40.865	-639.298	0.6528987	0	0	0	0
cov3_4_5_7_8_10_11	40.875	-639.303	0.6537516	0	0	0	0
cov2_3_4_5_6_7_9	40.8912	-639.312	0.6534238	0	0	0	0.030235744
cov2_3_4_5_6_7_10	40.9003	-639.316	0.6542111	0	0	0	0.029826416
cov3_4_5_7_8_9_10	40.9011	-639.317	0.6540484	0	0	0	0
cov2_4_5_6_7_9_10	40.9142	-639.323	0.6545214	0	0	0	0.022529908
cov2_4_5_6_7_9_11	40.9178	-639.325	0.6538649	0	0	0	0.020863153
cov1_2_4_5_6_7_9	40.9234	-639.328	0.6539616	0	-0.007381048	0	0.025517419
cov1_3_4_5_6_7_9	40.9236	-639.328	0.654325	0	0.030062541	0	0
cov3_4_5_6_7_9_11	40.9237	-639.328	0.6535769	0	0	0	0
cov3_4_5_6_7_9_10	40.9284	-639.33	0.6544652	0	0	0	0
cov2_4_5_6_7_10_11	40.9289	-639.33	0.6546817	0	0	0	0.020168807
cov3_4_5_6_7_10_11	40.9307	-639.331	0.6543609	0	0	0	0
cov1_3_4_5_6_7_10	40.9312	-639.332	0.6551138	0	0.030128557	0	0
cov4_5_6_7_9_10_11	40.9313	-639.332	0.6544304	0	0	0	0
cov2_3_4_5_7_9_11	40.9348	-639.333	0.6524631	0	0	0	0.03600828
cov1_2_3_4_5_7_9	40.9349	-639.333	0.6535528	0	0.033935134	0	0.028281218
cov1_2_4_5_6_7_10	40.9349	-639.333	0.6547934	0	-0.007371028	0	0.024882296
cov1_4_5_6_7_9_10	40.9406	-639.336	0.6549938	0	0.012633994	0	0
cov1_4_5_6_7_9_11	40.9418	-639.337	0.6542216	0	0.007517269	0	0
cov2_4_5_7_9_10_11	40.9427	-639.337	0.6535089	0	0	0	0.0286782
cov2_3_4_5_7_9_10	40.9457	-639.339	0.6532713	0	0	0	0.040345295
cov1_2_3_4_5_7_10	40.946	-639.339	0.654393	0	0.035050986	0	0.02775287
cov2_3_4_5_7_10_11	40.946	-639.339	0.6532684	0	0	0	0.035730087
cov1_4_5_6_7_10_11	40.9514	-639.342	0.6550114	0	0.006746454	0	0
cov2_3_4_5_6_8_9	40.9514	-639.342	0.6532647	0	0	0	0.031198953
cov1_2_4_5_7_9_11	40.9516	-639.342	0.6534656	0	0.010285449	0	0.025157675
cov1_2_4_5_7_9_10	40.9534	-639.343	0.6542802	0	0.017031576	0	0.025769427
cov1_3_4_5_7_9_11	40.9542	-639.343	0.6537657	0	0.047083102	0	0
cov1_3_4_5_7_9_10	40.9571	-639.344	0.6546667	0	0.055326826	0	0
cov2_3_4_5_6_8_10	40.96	-639.346	0.6540819	0	0	0	0.030800174
cov1_3_4_5_7_10_11	40.9631	-639.348	0.6545613	0	0.047516365	0	0
cov1_2_4_5_7_10_11	40.9643	-639.348	0.6542939	0	0.010634742	0	0.024503751
cov1_2_4_6_7_8_9	40.9656	-639.349	0.6529338	0	-0.080856313	0	0.055392562
cov1_4_5_7_9_10_11	40.9675	-639.35	0.654432	0	0.029509747	0	0
cov1_2_4_6_7_8_10	40.9703	-639.351	0.6538812	0	-0.079651475	0	0.054065029
cov1_3_4_5_6_8_9	40.9807	-639.356	0.6542246	0	0.034787566	0	0
cov3_4_5_6_8_9_11	40.9877	-639.36	0.653421	0	0	0	0
cov1_3_4_5_6_8_10	40.9878	-639.36	0.6550168	0	0.034840861	0	0
cov2_4_5_6_8_9_10	40.9878	-639.36	0.6544166	0	0	0	0.022069065
cov3_4_5_6_8_9_10	40.9913	-639.362	0.6543281	0	0	0	0

cov1_2_3_4_5_8_9	40.9919	-639.362	0.6533833	0	0.03887017	0	0.027781974
cov2_4_5_6_8_9_11	40.9924	-639.362	0.6538368	0	0	0	0.020683909
cov3_4_5_7_9_10_11	40.9939	-639.363	0.6532373	0	0	0	0
cov3_4_5_6_8_10_11	40.9941	-639.363	0.6542284	0	0	0	0
cov1_2_4_7_8_9_10	40.9971	-639.364	0.6533946	0	-0.05286404	0	0.055131428
cov1_2_4_5_6_8_9	40.9975	-639.365	0.6539588	0	-0.005252493	0	0.024448101
cov2_3_4_5_8_9_11	40.9991	-639.365	0.6522763	0	0	0	0.037264424
cov1_2_3_4_5_8_10	41.0024	-639.367	0.6543003	0	0.039693593	0	0.027225154
cov1_2_4_7_8_9_11	41.0029	-639.367	0.6524368	0	-0.060858109	0	0.055266781
cov2_4_5_6_8_10_11	41.0035	-639.368	0.6546449	0	0	0	0.019986434
cov4_5_6_8_9_10_11	41.0054	-639.369	0.6544021	0	0	0	0
cov1_2_4_7_8_10_11	41.0087	-639.37	0.653393	0	-0.059355845	0	0.053844228
cov1_2_4_5_6_8_10	41.009	-639.37	0.6547817	0	-0.005271764	0	0.023829511
cov2_3_4_5_8_9_10	41.0091	-639.371	0.6531047	0	0	0	0.041547215
cov2_3_4_5_8_10_11	41.0099	-639.371	0.6530997	0	0	0	0.03698376
cov1_3_4_5_8_9_11	41.0118	-639.372	0.6536966	0	0.05186543	0	0
cov1_4_5_6_8_9_10	41.0124	-639.372	0.6549622	0	0.013849682	0	0
cov1_3_4_5_8_9_10	41.0125	-639.372	0.6545676	0	0.059487978	0	0
cov1_2_3_4_7_8_9	41.0148	-639.373	0.6529916	0	-0.05350736	0	0.055516921
cov1_4_5_6_8_9_11	41.0152	-639.374	0.6542254	0	0.009304763	0	0
cov2_4_5_8_9_10_11	41.0166	-639.374	0.6534822	0	0	0	0.028436045
cov1_3_4_5_8_10_11	41.0203	-639.376	0.6544967	0	0.052275485	0	0
cov1_2_3_4_7_8_10	41.0218	-639.377	0.6539238	0	-0.051501603	0	0.054629885
cov1_2_4_5_8_9_10	41.0247	-639.378	0.6542804	0	0.018185073	0	0.024729492
cov1_2_4_5_8_9_11	41.0248	-639.378	0.6535006	0	0.012083609	0	0.024173746
cov1_4_5_6_8_10_11	41.025	-639.378	0.6550175	0	0.008542284	0	0
cov1_2_4_5_8_10_11	41.0375	-639.385	0.6543275	0	0.012433104	0	0.023520855
cov1_4_5_8_9_10_11	41.0386	-639.385	0.654447	0	0.030498683	0	0
cov3_4_5_8_9_10_11	41.0629	-639.397	0.6530737	0	0	0	0
cov1_2_4_6_7_9_10	41.0961	-639.414	0.6532867	0	-0.078311894	0	0.054450381
cov1_2_4_6_7_9_11	41.1055	-639.419	0.6524184	0	-0.083915614	0	0.054758017
cov1_4_6_7_8_9_10	41.1079	-639.42	0.6547037	0	-0.057043872	0	0
cov1_2_4_6_7_10_11	41.1096	-639.421	0.6533641	0	-0.082889515	0	0.053391611
cov1_2_3_4_6_7_9	41.1136	-639.423	0.6528851	0	-0.078931473	0	0.054776374
cov1_4_6_7_8_10_11	41.1155	-639.424	0.6546353	0	-0.063348768	0	0
cov1_3_4_6_7_8_10	41.1174	-639.425	0.6553969	0	-0.059148654	0	0
cov1_3_4_6_7_8_9	41.1177	-639.425	0.6544926	0	-0.06011478	0	0
cov1_2_3_4_6_7_10	41.1185	-639.425	0.6537967	0	-0.077621212	0	0.053900179
cov1_4_6_7_8_9_11	41.1198	-639.426	0.6536966	0	-0.06375357	0	0
cov1_2_4_7_9_10_11	41.1253	-639.429	0.6527833	0	-0.060664054	0	0.054205209
cov1_2_3_4_7_9_10	41.138	-639.435	0.653357	0	-0.053180634	0	0.05429994
cov1_4_7_8_9_10_11	41.1429	-639.437	0.6540554	0	-0.037841946	0	0
cov1_2_3_4_7_9_11	41.1431	-639.438	0.652421	0	-0.061355357	0	0.054151696
cov1_3_4_7_8_9_10	41.1463	-639.439	0.6549536	0	-0.032020955	0	0
cov1_2_3_4_7_10_11	41.1492	-639.441	0.6533306	0	-0.059643826	0	0.053230803
cov1_3_4_7_8_9_11	41.1509	-639.441	0.6539003	0	-0.041692415	0	0
cov1_3_4_7_8_10_11	41.1518	-639.442	0.6548048	0	-0.040344416	0	0

cov2_4_6_7_8_9_10	41.1665	-639.449	0.6554891	0	0	0	0.032838119
cov1_2_4_6_8_9_10	41.1766	-639.454	0.6532598	0	-0.077321876	0	0.053878842
cov2_4_7_8_9_10_11	41.1791	-639.456	0.6563056	0	0	0	0.029202696
cov2_4_6_7_8_10_11	41.182	-639.457	0.6560633	0	0	0	0.034025022
cov2_4_6_7_8_9_11	41.1831	-639.457	0.655195	0	0	0	0.0351731
cov2_3_4_6_7_8_10	41.1841	-639.458	0.655796	0	0	0	0.034198668
cov2_3_4_6_7_8_9	41.1864	-639.459	0.6549473	0	0	0	0.034787512
cov1_2_4_6_8_9_11	41.1877	-639.46	0.6524212	0	-0.082396655	0	0.054245257
cov2_3_4_7_8_9_10	41.1916	-639.462	0.6560169	0	0	0	0.026650329
cov1_2_4_6_8_10_11	41.1917	-639.462	0.6533627	0	-0.081406371	0	0.052891744
cov2_3_4_7_8_10_11	41.194	-639.463	0.6564757	0	0	0	0.031546011
cov1_2_3_4_6_8_9	41.1944	-639.463	0.6527525	0	-0.077623322	0	0.055575697
cov2_3_4_7_8_9_11	41.1981	-639.465	0.655708	0	0	0	0.031902541
cov1_2_3_4_6_8_10	41.1985	-639.465	0.6536675	0	-0.076316481	0	0.05468691
cov1_2_4_8_9_10_11	41.2048	-639.468	0.6527972	0	-0.060010217	0	0.053700182
cov1_2_3_4_8_9_10	41.2158	-639.474	0.6532347	0	-0.052585319	0	0.055050895
cov1_2_3_4_8_9_11	41.2234	-639.478	0.6523148	0	-0.060200005	0	0.055036652
cov1_2_3_4_8_10_11	41.2287	-639.48	0.6532341	0	-0.058478913	0	0.054040876
cov3_4_6_7_8_9_10	41.2296	-639.481	0.6560683	0	0	0	0
cov4_6_7_8_9_10_11	41.2324	-639.482	0.6559695	0	0	0	0
cov3_4_7_8_9_10_11	41.233	-639.482	0.6563963	0	0	0	0
cov1_3_4_6_7_9_10	41.2419	-639.487	0.6548637	0	-0.058114118	0	0
cov1_4_6_7_9_10_11	41.2432	-639.488	0.6540581	0	-0.061911661	0	0
cov3_4_6_7_8_10_11	41.2482	-639.49	0.6565388	0	0	0	0
cov1_3_4_6_7_10_11	41.2501	-639.491	0.6547924	0	-0.06425046	0	0
cov1_3_4_6_7_9_11	41.2509	-639.491	0.6539056	0	-0.065022678	0	0
cov3_4_6_7_8_9_11	41.2524	-639.492	0.65569	0	0	0	0
cov1_3_4_7_9_10_11	41.2668	-639.499	0.6542636	0	-0.042033134	0	0
cov2_4_6_7_9_10_11	41.3009	-639.516	0.6554803	0	0	0	0.034629803
cov2_3_4_6_7_9_10	41.3033	-639.518	0.6552802	0	0	0	0.034184636
cov2_3_4_7_9_10_11	41.3192	-639.526	0.6560711	0	0	0	0.030699358
cov2_3_4_6_7_10_11	41.3195	-639.526	0.655833	0	0	0	0.035263837
cov2_3_4_6_7_9_11	41.3208	-639.526	0.654958	0	0	0	0.035929715
cov1_4_6_8_9_10_11	41.3224	-639.527	0.6540647	0	-0.060662588	0	0
cov1_3_4_6_8_9_10	41.3262	-639.529	0.6547488	0	-0.056452964	0	0
cov1_3_4_6_8_10_11	41.3361	-639.534	0.65471	0	-0.062103326	0	0
cov1_3_4_6_8_9_11	41.3378	-639.535	0.6538257	0	-0.062856249	0	0
cov1_2_3_4_5_6_9	41.346	-639.539	0.6527814	0	0.07023956	0	0.020930906
cov1_2_3_4_5_6_10	41.3476	-639.54	0.6535999	0	0.070119606	0	0.020435523
cov1_3_4_5_6_9_10	41.3483	-639.54	0.6537505	0	0.084502939	0	0
cov1_3_4_8_9_10_11	41.3509	-639.541	0.6541839	0	-0.040545971	0	0
cov1_3_4_5_6_9_11	41.3649	-639.548	0.6534003	0	0.086062278	0	0
cov1_2_3_6_7_8_9	41.3652	-639.549	0.6530166	0	-0.068000787	0	0.10912563
cov1_3_4_5_6_10_11	41.3657	-639.549	0.6541703	0	0.085341226	0	0
cov3_4_6_7_9_10_11	41.3677	-639.55	0.6560265	0	0	0	0
cov1_2_3_6_7_8_10	41.3728	-639.552	0.6538378	0	-0.066772904	0	0.10857245
cov2_4_6_8_9_10_11	41.3756	-639.554	0.6554446	0	0	0	0.03447675



cov2_3_4_6_8_9_10	41.3768	-639.554	0.6551423	0	0	0	0.035113945
cov1_2_3_4_5_9_10	41.3877	-639.56	0.6531482	0	0.099128116	0	0.021005379
cov2_3_4_8_9_10_11	41.3915	-639.562	0.6559242	0	0	0	0.031927959
cov2_3_4_6_8_10_11	41.3923	-639.562	0.6556954	0	0	0	0.036412455
cov2_3_4_6_8_9_11	41.3942	-639.563	0.6548655	0	0	0	0.037110971
cov1_2_3_4_5_9_11	41.4039	-639.568	0.6527099	0	0.099792431	0	0.021206042
cov1_3_4_5_9_10_11	41.4064	-639.569	0.6536123	0	0.11371894	0	0
cov1_2_3_4_5_10_11	41.4076	-639.57	0.6535269	0	0.10002408	0	0.020667977
cov1_2_5_6_7_8_9	41.4129	-639.572	0.6534343	0	-0.094184244	0	0.10638956
cov2_3_4_5_6_9_10	41.4161	-639.574	0.651949	0	0	0	0.04205998
cov1_2_5_6_7_8_10	41.4235	-639.578	0.6542724	0	-0.094177162	0	0.10572253
cov2_3_4_5_6_9_11	41.4336	-639.583	0.6513627	0	0	0	0.041911519
cov2_3_4_5_6_10_11	41.4345	-639.583	0.6522296	0	0	0	0.041237648
cov1_2_3_7_8_9_11	41.4355	-639.584	0.6526334	0	-0.03949596	0	0.11105713
cov1_2_3_7_8_9_10	41.4364	-639.584	0.6535248	0	-0.030984588	0	0.11173397
cov1_2_3_5_7_8_9	41.4447	-639.588	0.6530869	0	-0.042137981	0	0.1112151
cov3_4_6_8_9_10_11	41.445	-639.588	0.6558761	0	0	0	0
cov1_2_3_7_8_10_11	41.4453	-639.589	0.6534604	0	-0.037820337	0	0.11050289
cov1_2_6_7_8_9_10	41.448	-639.59	0.6542965	0	-0.067857817	0	0.10757534
cov1_2_6_7_8_9_11	41.4489	-639.59	0.6536373	0	-0.072838449	0	0.10726226
cov1_2_3_5_7_8_10	41.4548	-639.593	0.6539414	0	-0.040916274	0	0.11062732
cov1_2_6_7_8_10_11	41.4627	-639.597	0.6544186	0	-0.071857459	0	0.10670408
cov2_3_5_6_7_8_9	41.4684	-639.6	0.6542429	0	0	0	0.097975342
cov2_3_5_6_7_8_10	41.4741	-639.603	0.654985	0	0	0	0.097570242
cov1_2_5_7_8_9_11	41.4744	-639.603	0.6530168	0	-0.069536517	0	0.10809512
cov1_2_5_7_8_9_10	41.4749	-639.603	0.6538769	0	-0.062746706	0	0.10863107
cov2_3_5_7_8_9_10	41.4769	-639.604	0.6543665	0	0	0	0.1016676
cov1_2_5_7_8_10_11	41.4867	-639.609	0.6538672	0	-0.069207237	0	0.10741369
cov2_3_5_7_8_9_11	41.4874	-639.61	0.6538718	0	0	0	0.10132632
cov2_3_5_7_8_10_11	41.4946	-639.613	0.6546278	0	0	0	0.10090893
cov2_3_7_8_9_10_11	41.5072	-639.62	0.6551571	0	0	0	0.089196004
cov3_4_5_6_9_10_11	41.5073	-639.62	0.652407	0	0	0	0
cov2_3_6_7_8_9_10	41.5085	-639.62	0.6551196	0	0	0	0.087419768
cov1_2_3_6_7_9_10	41.509	-639.62	0.6533209	0	-0.065317058	0	0.10891062
cov1_2_3_6_7_9_11	41.5134	-639.623	0.652565	0	-0.070868464	0	0.10854238
cov1_2_7_8_9_10_11	41.516	-639.624	0.6539508	0	-0.039722419	0	0.10956685
cov1_2_3_5_6_7_9	41.5187	-639.625	0.6528988	0	-0.073891029	0	0.10859079
cov1_2_3_6_7_10_11	41.5208	-639.626	0.6533605	0	-0.069820019	0	0.10796957
cov2_3_6_7_8_9_11	41.522	-639.627	0.6548585	0	0	0	0.088544463
cov2_3_6_7_8_10_11	41.5244	-639.628	0.6556147	0	0	0	0.088263294
cov1_2_3_5_6_7_10	41.5262	-639.629	0.6537259	0	-0.073299795	0	0.10798283
cov1_2_5_6_7_9_10	41.5496	-639.641	0.6536876	0	-0.093171517	0	0.10615054
cov1_2_5_6_7_9_11	41.5536	-639.643	0.6529578	0	-0.097311985	0	0.10588963
cov1_2_5_6_7_10_11	41.5636	-639.648	0.6537925	0	-0.09749799	0	0.10519285
cov1_2_3_7_9_10_11	41.5692	-639.651	0.6529196	0	-0.039182999	0	0.11064245
cov1_2_3_5_7_9_11	41.5767	-639.654	0.6524882	0	-0.051414874	0	0.11005323
cov1_2_3_5_7_9_10	41.5768	-639.654	0.6533794	0	-0.044155971	0	0.1106322

cov1_2_3_6_8_9_10	41.5786	-639.655	0.6532083	0	-0.064305486	0	0.10899048
cov1_2_3_6_8_9_11	41.5851	-639.658	0.6524711	0	-0.069382855	0	0.10868846
cov1_2_3_5_7_10_11	41.5858	-639.659	0.6533149	0	-0.050497066	0	0.10942206
cov1_2_6_7_9_10_11	41.5896	-639.661	0.6538339	0	-0.07063949	0	0.10711171
cov1_2_3_5_6_8_9	41.5908	-639.661	0.652802	0	-0.069272667	0	0.10894798
cov1_2_3_6_8_10_11	41.5917	-639.662	0.6532797	0	-0.068336225	0	0.10811011
cov1_2_3_5_6_8_10	41.5977	-639.665	0.6536278	0	-0.068705381	0	0.10833691
cov1_2_5_7_9_10_11	41.6016	-639.667	0.6532612	0	-0.070789142	0	0.10765001
cov2_5_6_7_8_9_10	41.6017	-639.667	0.6560349	0	0	0	0.088445499
cov2_5_7_8_9_10_11	41.6017	-639.667	0.6560147	0	0	0	0.090065811
cov2_6_7_8_9_10_11	41.6035	-639.668	0.6562038	0	0	0	0.087165633
cov2_5_6_7_8_9_11	41.6089	-639.67	0.6558139	0	0	0	0.089469885
cov2_3_5_6_7_9_10	41.61	-639.671	0.6545283	0	0	0	0.097676637
cov2_3_4_5_9_10_11	41.6142	-639.673	0.6501615	0	0	0	0.059699243
cov2_5_6_7_8_10_11	41.6196	-639.676	0.656546	0	0	0	0.088845312
cov2_3_5_6_7_9_11	41.6217	-639.677	0.654114	0	0	0	0.09796352
cov2_3_5_7_9_10_11	41.6237	-639.678	0.6541845	0	0	0	0.10037731
cov2_3_5_6_7_10_11	41.6275	-639.68	0.6548522	0	0	0	0.097429697
cov1_2_3_8_9_10_11	41.6377	-639.685	0.6528582	0	-0.038270602	0	0.11068843
cov1_2_5_6_8_9_10	41.6404	-639.686	0.6536685	0	-0.091936691	0	0.10611841
cov1_2_5_6_8_9_11	41.646	-639.689	0.6529756	0	-0.095541007	0	0.10592416
cov1_2_3_5_8_9_10	41.6465	-639.689	0.6532863	0	-0.040164156	0	0.11093629
cov1_2_3_5_8_9_11	41.6485	-639.69	0.6524205	0	-0.046850168	0	0.11043753
cov2_3_6_7_9_10_11	41.654	-639.693	0.6550913	0	0	0	0.08894748
cov1_2_5_6_8_10_11	41.6561	-639.694	0.6537914	0	-0.095736608	0	0.10523303
cov1_2_3_5_8_10_11	41.6572	-639.695	0.6532552	0	-0.045934974	0	0.10981528
cov2_3_5_6_8_9_10	41.6697	-639.701	0.6543401	0	0	0	0.098629462
cov2_3_5_6_8_9_11	41.6818	-639.707	0.6539569	0	0	0	0.098944997
cov1_2_6_8_9_10_11	41.6819	-639.707	0.6538589	0	-0.068857644	0	0.10715923
cov2_3_5_8_9_10_11	41.6852	-639.709	0.6540177	0	0	0	0.10152758
cov2_3_5_6_8_10_11	41.6872	-639.71	0.6547029	0	0	0	0.09840574
cov1_2_5_8_9_10_11	41.6905	-639.711	0.6532825	0	-0.069862369	0	0.10762328
cov2_3_6_8_9_10_11	41.7188	-639.725	0.6549723	0	0	0	0.089452704
cov2_5_6_7_9_10_11	41.7414	-639.737	0.65598	0	0	0	0.089388864
cov2_5_6_8_9_10_11	41.8269	-639.779	0.6559475	0	0	0	0.08969494
cov1_2_4_5_6_7_8	42.0695	-639.901	0.6541612	0	0.065997202	0	0.030274193
cov1_2_3_4_6_9_10	42.0852	-639.909	0.6512714	0	-0.071061968	0	0.071901131
cov1_3_4_5_6_7_8	42.0906	-639.911	0.654842	0	0.1050301	0	0
cov1_2_3_4_6_10_11	42.0985	-639.915	0.6521088	0	-0.065907369	0	0.072129485
cov1_4_5_6_7_8_11	42.106	-639.919	0.654804	0	0.087960446	0	0
cov1_2_3_4_6_9_11	42.1136	-639.923	0.6511183	0	-0.06694308	0	0.073432547
cov2_4_5_6_7_8_11	42.1409	-639.936	0.6524846	0	0	0	0.051879707
cov1_2_3_4_9_10_11	42.1424	-639.937	0.6515891	0	-0.036790566	0	0.07268446
cov2_3_4_5_6_7_8	42.1522	-639.942	0.6527269	0	0	0	0.056712504
cov1_2_3_5_6_9_10	42.1538	-639.943	0.6522592	0	-0.013506161	0	0.11287686
cov2_3_5_6_9_10_11	42.1552	-639.944	0.6527133	0	0	0	0.11126004
cov1_2_3_5_6_10_11	42.1697	-639.951	0.652848	0	-0.010956436	0	0.11288048

cov1_2_3_5_6_9_11	42.1716	-639.952	0.6520161	0	-0.010746697	0	0.11360134
cov1_2_3_4_5_6_7	42.1984	-639.965	0.6537763	0	0.08015424	0	0.032346168
cov2_3_4_6_9_10_11	42.215	-639.973	0.6536748	0	0	0	0.057059843
cov1_2_4_5_6_7_11	42.2154	-639.974	0.6538248	0	0.065000938	0	0.030125315
cov1_2_3_4_5_7_8	42.2258	-639.979	0.6538059	0	0.13584688	0	0.033371318
cov1_2_4_5_7_8_11	42.2338	-639.983	0.6536622	0	0.11766393	0	0.031006171
cov1_3_4_5_6_7_11	42.2397	-639.986	0.654469	0	0.10186916	0	0
cov1_2_3_5_9_10_11	42.2508	-639.991	0.6523811	0	0.023618989	0	0.11585782
cov3_6_7_8_9_10_11	42.2535	-639.993	0.6574086	0	0	0	0
cov3_5_6_7_8_10_11	42.2576	-639.995	0.6579259	0	0	0	0
cov3_5_6_7_8_9_10	42.258	-639.995	0.6580224	0	0	0	0
cov3_5_6_7_8_9_11	42.2608	-639.996	0.6571739	0	0	0	0
cov1_2_3_4_5_6_8	42.2625	-639.997	0.6536916	0	0.085582386	0	0.031825662
cov1_3_4_5_7_8_11	42.2636	-639.998	0.6543021	0	0.15527494	0	0
cov1_3_6_7_8_10_11	42.2697	-640.001	0.6578119	0	0.002295057	0	0
cov1_3_6_7_8_9_11	42.2716	-640.002	0.6570593	0	0.001640763	0	0
cov1_3_5_6_7_8_10	42.2722	-640.002	0.6582759	0	-0.011596793	0	0
cov1_5_6_7_8_10_11	42.2722	-640.002	0.6579723	0	-0.034959805	0	0
cov1_5_6_7_8_9_11	42.2731	-640.003	0.6571689	0	-0.03396444	0	0
cov1_3_5_6_7_8_9	42.2746	-640.003	0.6574901	0	-0.011563964	0	0
cov1_5_6_7_8_9_10	42.2759	-640.004	0.6581898	0	-0.026343591	0	0
cov1_3_6_7_8_9_10	42.2762	-640.004	0.6580852	0	0.011144011	0	0
cov1_2_3_6_9_10_11	42.2806	-640.006	0.6518862	0	-0.058618466	0	0.10973052
cov5_6_7_8_9_10_11	42.2832	-640.008	0.658369	0	0	0	0
cov2_3_4_5_6_7_11	42.2916	-640.012	0.652191	0	0	0	0.054037453
cov1_2_4_5_6_8_11	42.2927	-640.012	0.6538467	0	0.067706669	0	0.029123415
cov3_4_5_6_7_8_11	42.2984	-640.015	0.6534642	0	0	0	0
cov1_3_4_5_6_8_11	42.3033	-640.018	0.6544027	0	0.10737409	0	0
cov1_6_7_8_9_10_11	42.3317	-640.032	0.6584087	0	0.001028109	0	0
cov1_3_4_6_9_10_11	42.3427	-640.037	0.6533164	0	-0.039514943	0	0
cov1_2_3_4_5_7_11	42.3555	-640.044	0.6534315	0	0.12810072	0	0.032649854
cov3_5_7_8_9_10_11	42.3574	-640.045	0.6569338	0	0	0	0
cov1_5_7_8_9_10_11	42.3661	-640.049	0.6575477	0	0.00406218	0	0
cov1_3_5_7_8_10_11	42.3703	-640.051	0.6576719	0	0.018217798	0	0
cov1_3_5_7_8_9_11	42.3713	-640.052	0.6568743	0	0.017958901	0	0
cov2_3_4_5_6_8_11	42.3722	-640.052	0.6520247	0	0	0	0.055372257
cov1_3_7_8_9_10_11	42.3813	-640.057	0.6575105	0	0.046905694	0	0
cov1_3_5_7_8_9_10	42.3857	-640.059	0.6580924	0	0.030532115	0	0
cov3_5_6_7_9_10_11	42.396	-640.064	0.6574746	0	0	0	0
cov1_3_5_6_7_10_11	42.4045	-640.068	0.6575504	0	-0.020475765	0	0
cov1_5_6_7_9_10_11	42.4046	-640.068	0.6574424	0	-0.033703378	0	0
cov1_3_5_6_7_9_11	42.4076	-640.07	0.6567645	0	-0.020242025	0	0
cov1_3_5_6_7_9_10	42.4109	-640.071	0.657821	0	-0.012020515	0	0
cov1_3_6_7_9_10_11	42.4118	-640.072	0.6573724	0	0.003977046	0	0
cov1_2_3_4_5_8_11	42.4181	-640.075	0.6532676	0	0.13323845	0	0.032213572
cov3_5_6_8_9_10_11	42.4723	-640.102	0.6573002	0	0	0	0
cov1_3_5_6_8_10_11	42.4844	-640.108	0.6574624	0	-0.014952337	0	0

cov1_3_6_8_9_10_11	42.4851	-640.109	0.6572692	0	0.005596293	0	0
cov1_3_5_6_8_9_11	42.4881	-640.11	0.656694	0	-0.014702903	0	0
cov1_3_5_6_8_9_10	42.4885	-640.11	0.6577101	0	-0.007026737	0	0
cov1_3_5_7_9_10_11	42.4935	-640.113	0.6571856	0	0.01516277	0	0
cov1_5_6_8_9_10_11	42.4975	-640.115	0.6574585	0	-0.031915884	0	0
cov1_3_5_8_9_10_11	42.5714	-640.152	0.6571133	0	0.020059934	0	0
cov2_3_4_5_7_8_11	42.582	-640.157	0.6500023	0	0	0	0.083349913
cov1_4_5_6_9_10_11	42.6164	-640.174	0.6562902	0	0.041109732	0	0
cov1_2_4_5_6_9_11	42.6171	-640.175	0.6563424	0	0.052984136	0	-0.013849548
cov1_2_4_5_6_10_11	42.6332	-640.183	0.6571426	0	0.052987299	0	-0.014561527
cov2_4_5_6_9_10_11	42.6549	-640.193	0.6555412	0	0	0	0.001560903
cov1_2_4_5_9_10_11	42.6567	-640.194	0.6565437	0	0.078805759	0	-0.013900145
cov1_2_4_5_6_9_10	42.6733	-640.203	0.6557162	0	0.040501211	0	-0.018466098
cov1_2_3_4_5_6_11	42.7389	-640.235	0.6532847	0	0.15268841	0	0.02555701
cov2_3_5_6_7_8_11	42.7613	-640.247	0.6529159	0	0	0	0.11719362
cov1_2_3_5_6_7_8	42.762	-640.247	0.6529565	0	-0.005503618	0	0.11866541
cov1_2_5_6_7_8_11	42.7928	-640.262	0.6530777	0	-0.024172942	0	0.11651086
cov1_2_3_4_6_7_8	42.8306	-640.281	0.6527226	0	-0.073257114	0	0.086536231
cov1_2_4_6_7_8_11	42.9059	-640.319	0.6518161	0	-0.072410798	0	0.099027523
cov1_2_3_5_6_7_11	42.9119	-640.322	0.6526682	0	-0.007666179	0	0.11830783
cov1_2_3_6_7_8_11	42.9467	-640.339	0.6524385	0	-0.068650915	0	0.11451736
cov1_2_3_4_6_7_11	42.9652	-640.349	0.6524975	0	-0.073755569	0	0.085676031
cov1_2_3_5_6_8_11	42.9918	-640.362	0.652605	0	-0.002280608	0	0.11875967
cov1_2_3_5_7_8_11	42.9959	-640.364	0.6526438	0	0.049905444	0	0.12317403
cov2_3_4_6_7_8_11	43.003	-640.367	0.6547754	0	0	0	0.069617595
cov1_2_3_4_7_8_11	43.0348	-640.383	0.6524001	0	-0.020919135	0	0.088312748
cov1_2_3_4_6_8_11	43.0765	-640.404	0.6523825	0	-0.071483945	0	0.086859245
cov1_3_5_6_9_10_11	43.1396	-640.436	0.6565307	0	0.054905451	0	0
cov1_2_4_6_9_10_11	43.1449	-640.438	0.6549799	0	-0.063029914	0	0.0325151
cov1_3_4_6_7_8_11	43.2102	-640.471	0.6552187	0	-0.043201179	0	0
cov1_3_5_6_7_8_11	43.8455	-640.789	0.6577087	0	0.0615865	0	0
cov1_2_5_6_9_10_11	44.0729	-640.902	0.6559131	0	-0.064780174	0	0.10357744
cov2_3_4_5_6_7_8_9	47.9447	-639.234	0.6535231	0	0	0	0.030070758
cov2_3_4_5_6_7_8_10	47.9535	-639.238	0.6543342	0	0	0	0.029675843
cov2_4_5_6_7_8_9_10	47.9741	-639.248	0.6546154	0	0	0	0.021550108
cov1_3_4_5_6_7_8_9	47.977	-639.25	0.6544133	0	0.029356235	0	0
cov3_4_5_6_7_8_9_11	47.9773	-639.25	0.6536673	0	0	0	0
cov2_4_5_6_7_8_9_11	47.9785	-639.251	0.6540346	0	0	0	0.020128106
cov3_4_5_6_7_8_9_10	47.9809	-639.252	0.6545362	0	0	0	0
cov1_2_4_5_6_7_8_9	47.9827	-639.253	0.6540794	0	-0.009203976	0	0.025271551
cov3_4_5_6_7_8_10_11	47.9841	-639.253	0.6544696	0	0	0	0
cov1_3_4_5_6_7_8_10	47.9845	-639.254	0.6552081	0	0.0293803	0	0
cov2_4_5_6_7_8_10_11	47.9896	-639.256	0.6548409	0	0	0	0.019434522
cov4_5_6_7_8_9_10_11	47.9902	-639.256	0.6545955	0	0	0	0
cov1_2_4_5_6_7_8_10	47.9943	-639.258	0.6549157	0	-0.009228816	0	0.024629448
cov1_2_3_4_5_7_8_9	47.9965	-639.26	0.6536379	0	0.035382756	0	0.028297053
cov2_3_4_5_7_8_9_11	47.9981	-639.26	0.6524944	0	0	0	0.036499483

cov1_4_5_6_7_8_9_10	47.9993	-639.261	0.6551056	0	0.010580902	0	0
cov1_4_5_6_7_8_9_11	48.0011	-639.262	0.6543459	0	0.005670302	0	0
cov1_2_3_4_5_7_8_10	48.0076	-639.265	0.6544707	0	0.036574638	0	0.027755824
cov2_3_4_5_7_8_9_10	48.0092	-639.266	0.6533333	0	0	0	0.040854424
cov2_3_4_5_7_8_10_11	48.0093	-639.266	0.6533223	0	0	0	0.036295386
cov2_4_5_7_8_9_10_11	48.0093	-639.266	0.6536152	0	0	0	0.028647955
cov1_4_5_6_7_8_10_11	48.0108	-639.267	0.6551404	0	0.00490426	0	0
cov1_3_4_5_7_8_9_11	48.016	-639.269	0.6538532	0	0.048612544	0	0
cov1_2_4_5_7_8_9_11	48.0181	-639.27	0.6535835	0	0.010650615	0	0.024982291
cov1_3_4_5_7_8_9_10	48.0184	-639.271	0.6547516	0	0.056706346	0	0
cov1_2_4_5_7_8_9_10	48.0196	-639.271	0.6543921	0	0.017291401	0	0.025585516
cov1_3_4_5_7_8_10_11	48.0248	-639.274	0.6546515	0	0.049043204	0	0
cov1_2_4_5_7_8_10_11	48.031	-639.277	0.6544149	0	0.01100598	0	0.024325661
cov1_4_5_7_8_9_10_11	48.0335	-639.278	0.6545662	0	0.029690642	0	0
cov3_4_5_7_8_9_10_11	48.059	-639.291	0.6532957	0	0	0	0
cov2_3_4_5_6_7_9_10	48.0888	-639.306	0.6537848	0	0	0	0.029801149
cov2_3_4_5_6_7_9_11	48.0911	-639.307	0.6530901	0	0	0	0.02799893
cov1_2_3_4_5_6_7_9	48.0994	-639.311	0.6535496	0	0.008421691	0	0.027866542
cov2_3_4_5_6_7_10_11	48.0994	-639.311	0.6538976	0	0	0	0.027530293
cov1_2_3_4_5_6_7_10	48.1084	-639.315	0.6543605	0	0.008947732	0	0.027331941
cov2_4_5_6_7_9_10_11	48.1169	-639.32	0.6542182	0	0	0	0.020254098
cov3_4_5_6_7_9_10_11	48.1196	-639.321	0.653925	0	0	0	0
cov1_3_4_5_6_7_9_10	48.1206	-639.322	0.6546708	0	0.029215543	0	0
cov1_2_4_5_6_7_9_10	48.1224	-639.322	0.6543155	0	-0.008261763	0	0.025216869
cov1_3_4_5_6_7_9_11	48.1226	-639.323	0.6538994	0	0.02380367	0	0
cov1_2_4_5_6_7_9_11	48.1245	-639.324	0.6535723	0	-0.012512177	0	0.024791638
cov1_3_4_5_6_7_10_11	48.1296	-639.326	0.6546491	0	0.023640967	0	0
cov2_3_4_5_7_9_10_11	48.1313	-639.327	0.6528191	0	0	0	0.035449963
cov1_2_3_4_5_7_9_11	48.1314	-639.327	0.6530566	0	0.026241946	0	0.02736948
cov1_2_3_4_5_7_9_10	48.1326	-639.328	0.6539	0	0.033307317	0	0.028003464
cov1_2_4_5_6_7_10_11	48.1355	-639.329	0.6543841	0	-0.012714003	0	0.024145762
cov1_4_5_6_7_9_10_11	48.1398	-639.331	0.6545405	0	0.006233979	0	0
cov1_2_3_4_5_7_10_11	48.1416	-639.332	0.6538709	0	0.027158707	0	0.026800235
cov2_3_4_5_6_8_9_10	48.1485	-639.336	0.6536347	0	0	0	0.030721887
cov1_2_4_5_7_9_10_11	48.1501	-639.336	0.6538263	0	0.009158907	0	0.024888295
cov1_3_4_5_7_9_10_11	48.1508	-639.337	0.6541077	0	0.046070204	0	0
cov2_3_4_5_6_8_9_11	48.1518	-639.337	0.6529385	0	0	0	0.029022149
cov1_2_4_6_7_8_9_10	48.1571	-639.34	0.653393	0	-0.080409991	0	0.054337385
cov1_2_3_4_5_6_8_9	48.1578	-639.34	0.6534665	0	0.01358733	0	0.027340611
cov2_3_4_5_6_8_10_11	48.1598	-639.341	0.6537387	0	0	0	0.028540235
cov1_2_3_4_5_6_8_10	48.1662	-639.344	0.6542788	0	0.014069235	0	0.026822893
cov1_2_4_6_7_8_9_11	48.1672	-639.345	0.6525382	0	-0.085819177	0	0.054673023
cov1_2_4_6_7_8_10_11	48.1713	-639.347	0.6534841	0	-0.084817084	0	0.05329193
cov1_2_3_4_6_7_8_9	48.175	-639.349	0.652947	0	-0.080899107	0	0.055214354
cov1_3_4_5_6_8_9_10	48.1774	-639.35	0.6545815	0	0.033927309	0	0
cov1_2_3_4_6_7_8_10	48.1796	-639.351	0.6538586	0	-0.07954945	0	0.054385203
cov1_3_4_5_6_8_9_11	48.1812	-639.352	0.6538037	0	0.029016362	0	0

cov3_4_5_6_8_9_10_11	48.183	-639.353	0.65379	0	0	0
cov1_3_4_5_6_8_10_11	48.1878	-639.355	0.6545916	0	0.02886868	0
cov1_2_3_4_5_8_9_10	48.1893	-639.356	0.6538224	0	0.037859991	0.027501698
cov1_2_3_4_5_8_9_11	48.1901	-639.356	0.6530018	0	0.031388698	0.026914059
cov2_4_5_6_8_9_10_11	48.1914	-639.357	0.6541877	0	0	0.02006696
cov1_2_4_7_8_9_10_11	48.1936	-639.358	0.6528921	0	-0.060615828	0.054171111
cov2_3_4_5_8_9_10_11	48.1951	-639.359	0.6526598	0	0	0.036697948
cov1_2_4_5_6_8_9_10	48.1964	-639.36	0.6542955	0	-0.006133775	0.024149483
cov1_2_3_4_5_8_10_11	48.1998	-639.361	0.6538211	0	0.032282228	0.026342533
cov1_2_4_5_6_8_9_11	48.2001	-639.361	0.6536055	0	-0.009882043	0.023787062
cov1_2_3_4_7_8_9_10	48.2063	-639.364	0.653423	0	-0.052987986	0.05478975
cov1_3_4_5_8_9_10_11	48.2081	-639.365	0.654046	0	0.05084116	0
cov1_2_4_5_6_8_10_11	48.2112	-639.367	0.6544194	0	-0.010034872	0.023114464
cov1_2_3_4_7_8_9_11	48.2119	-639.367	0.6524871	0	-0.061072523	0.054658436
cov1_4_5_6_8_9_10_11	48.2133	-639.368	0.6545471	0	0.008023639	0
cov1_2_3_4_7_8_10_11	48.218	-639.37	0.6534015	0	-0.059355676	0.053733555
cov1_2_4_5_8_9_10_11	48.2233	-639.373	0.6538364	0	0.011030705	0.023855323
cov1_2_4_6_7_9_10_11	48.2967	-639.41	0.6528719	0	-0.08358551	0.053675725
cov1_4_6_7_8_9_10_11	48.3041	-639.413	0.6541874	0	-0.063887155	0
cov1_3_4_6_7_8_9_10	48.305	-639.414	0.6549356	0	-0.059883003	0
cov1_2_3_4_6_7_9_10	48.3054	-639.414	0.6533148	0	-0.078409565	0.054054378
cov1_3_4_6_7_8_10_11	48.314	-639.418	0.6548962	0	-0.065847583	0
cov1_2_3_4_6_7_9_11	48.3146	-639.419	0.6524727	0	-0.084070715	0.054071648
cov1_3_4_6_7_8_9_11	48.3151	-639.419	0.6539939	0	-0.066555156	0
cov1_2_3_4_6_7_10_11	48.3189	-639.421	0.6533876	0	-0.082954246	0.053166771
cov1_2_3_4_7_9_10_11	48.3343	-639.428	0.6528445	0	-0.060984255	0.053400408
cov1_3_4_7_8_9_10_11	48.3376	-639.43	0.65434	0	-0.041588409	0
cov2_4_6_7_8_9_10_11	48.3724	-639.447	0.65565	0	0	0.034174269
cov2_3_4_6_7_8_9_10	48.375	-639.449	0.6553944	0	0	0.03405718
cov1_2_4_6_8_9_10_11	48.3787	-639.451	0.6528928	0	-0.082091015	0.053156696
cov1_2_3_4_6_8_9_10	48.3854	-639.454	0.6531887	0	-0.077104692	0.054843844
cov2_3_4_7_8_9_10_11	48.3866	-639.455	0.6561343	0	0	0.031263045
cov2_3_4_6_7_8_10_11	48.3904	-639.456	0.6559579	0	0	0.035358232
cov2_3_4_6_7_8_9_11	48.392	-639.457	0.6551251	0	0	0.036048676
cov1_2_3_4_6_8_9_11	48.3968	-639.46	0.6523758	0	-0.082280961	0.054936842
cov1_2_3_4_6_8_10_11	48.4003	-639.461	0.6532763	0	-0.081173913	0.05401497
cov1_2_3_4_8_9_10_11	48.414	-639.468	0.6528675	0	-0.059554993	0.054080911
cov1_3_4_6_7_9_10_11	48.438	-639.48	0.6543432	0	-0.064878536	0
cov3_4_6_7_8_9_10_11	48.4387	-639.481	0.6561273	0	0	0
cov2_3_4_6_7_9_10_11	48.51	-639.516	0.6554379	0	0	0.035246756
cov1_3_4_6_8_9_10_11	48.5241	-639.523	0.6542629	0	-0.062728006	0
cov1_2_3_4_5_6_9_10	48.5392	-639.531	0.6532143	0	0.069099633	0.020701791
cov1_2_3_4_5_6_9_11	48.5551	-639.539	0.6528482	0	0.070848358	0.021072013
cov1_2_3_4_5_6_10_11	48.5568	-639.54	0.65365	0	0.07054138	0.02054541
cov1_3_4_5_6_9_10_11	48.5576	-639.54	0.6537677	0	0.084681912	0
cov1_2_3_6_7_8_9_10	48.5618	-639.542	0.6533884	0	-0.067542601	0.10876216
cov1_2_3_6_7_8_9_11	48.5671	-639.545	0.6526302	0	-0.072852334	0.10849753

cov1_2_3_5_6_7_8_9	48.5728	-639.548	0.6529713	0	-0.074441124	0	0.10860634
cov1_2_3_6_7_8_10_11	48.5742	-639.548	0.6534388	0	-0.071802949	0	0.10791997
cov1_2_3_5_6_7_8_10	48.5801	-639.551	0.6537977	0	-0.07383421	0	0.10803
cov2_3_4_6_8_9_10_11	48.5828	-639.553	0.6552923	0	0	0	0.036411172
cov1_2_3_4_5_9_10_11	48.5969	-639.56	0.6531126	0	0.098589325	0	0.020908784
cov1_2_5_6_7_8_9_10	48.6106	-639.567	0.6537889	0	-0.095025582	0	0.10600515
cov1_2_5_6_7_8_9_11	48.6152	-639.569	0.6530614	0	-0.09896414	0	0.10577114
cov2_3_4_5_6_9_10_11	48.624	-639.573	0.6518079	0	0	0	0.041224597
cov1_2_5_6_7_8_10_11	48.6253	-639.574	0.6538889	0	-0.099150545	0	0.10507727
cov1_2_3_7_8_9_10_11	48.6319	-639.577	0.6529943	0	-0.039067258	0	0.11075285
cov1_2_3_5_7_8_9_10	48.6406	-639.582	0.6534578	0	-0.042785162	0	0.11074985
cov1_2_3_5_7_8_9_11	48.6408	-639.582	0.6525621	0	-0.049951301	0	0.11020885
cov1_2_3_5_7_8_10_11	48.65	-639.586	0.6533981	0	-0.048959622	0	0.10965549
cov1_2_6_7_8_9_10_11	48.6504	-639.586	0.6539484	0	-0.072514819	0	0.10699614
cov2_3_5_6_7_8_9_10	48.6659	-639.594	0.6545876	0	0	0	0.097575544
cov1_2_5_7_8_9_10_11	48.6714	-639.597	0.6533713	0	-0.070578579	0	0.10767902
cov2_3_5_6_7_8_9_11	48.6777	-639.6	0.6542064	0	0	0	0.097948189
cov2_3_5_6_7_8_10_11	48.6833	-639.603	0.6549495	0	0	0	0.097413874
cov2_3_5_7_8_9_10_11	48.6844	-639.604	0.6542339	0	0	0	0.10082652
cov1_2_3_6_7_9_10_11	48.71	-639.616	0.6529173	0	-0.070453737	0	0.10824271
cov1_2_3_5_6_7_9_10	48.7148	-639.619	0.6532669	0	-0.07443944	0	0.10821933
cov2_3_6_7_8_9_10_11	48.7163	-639.619	0.6552286	0	0	0	0.088347239
cov1_2_3_5_6_7_9_11	48.7201	-639.621	0.6524976	0	-0.078930352	0	0.10794039
cov1_2_3_5_6_7_10_11	48.7269	-639.625	0.6533106	0	-0.078536378	0	0.10730552
cov1_2_5_6_7_9_10_11	48.751	-639.637	0.653297	0	-0.098279453	0	0.10548725
cov1_2_3_5_7_9_10_11	48.7722	-639.647	0.6528453	0	-0.052149841	0	0.10966158
cov1_2_3_6_8_9_10_11	48.781	-639.652	0.6528382	0	-0.068965804	0	0.10838252
cov1_2_3_5_6_8_9_10	48.7866	-639.655	0.6531742	0	-0.069833394	0	0.10857169
cov1_2_3_5_6_8_9_11	48.7936	-639.658	0.6524364	0	-0.073823506	0	0.10835917
cov1_2_3_5_6_8_10_11	48.7999	-639.661	0.6532496	0	-0.073450213	0	0.10772116
cov2_5_6_7_8_9_10_11	48.81	-639.666	0.6561327	0	0	0	0.088961187
cov2_3_5_6_7_9_10_11	48.8192	-639.671	0.6544638	0	0	0	0.097521413
cov1_2_5_6_8_9_10_11	48.8434	-639.683	0.6533188	0	-0.096505523	0	0.10552255
cov1_2_3_5_8_9_10_11	48.8438	-639.683	0.6527875	0	-0.047576354	0	0.11003453
cov2_3_5_6_8_9_10_11	48.879	-639.701	0.6542957	0	0	0	0.098481966
cov1_2_3_4_5_6_7_8	49.2549	-639.889	0.6538677	0	0.079631891	0	0.03232588
cov1_2_4_5_6_7_8_11	49.2767	-639.9	0.653956	0	0.063438502	0	0.029905097
cov1_2_3_4_6_9_10_11	49.2876	-639.905	0.6516829	0	-0.066564884	0	0.072278663
cov1_3_4_5_6_7_8_11	49.2964	-639.91	0.6545854	0	0.10147017	0	0
cov2_3_4_5_6_7_8_11	49.3477	-639.935	0.6523007	0	0	0	0.053929471
cov1_2_3_5_6_9_10_11	49.3617	-639.942	0.6524362	0	-0.011829877	0	0.11311901
cov1_2_3_4_5_6_7_11	49.4051	-639.964	0.6535496	0	0.077381381	0	0.031950458
cov1_2_3_4_5_7_8_11	49.427	-639.975	0.6534029	0	0.12990203	0	0.032690473
cov3_5_6_7_8_9_10_11	49.4506	-639.987	0.6575682	0	0	0	0
cov1_3_5_6_7_8_10_11	49.4586	-639.991	0.6576215	0	-0.020762464	0	0
cov1_3_5_6_7_8_9_11	49.462	-639.992	0.6568503	0	-0.020491674	0	0
cov1_3_6_7_8_9_10_11	49.4628	-639.993	0.657446	0	0.001890165	0	0

cov1_5_6_7_8_9_10_11	49.4635	-639.993	0.6575632	0	-0.035490604	0	0
cov1_3_5_6_7_8_9_10	49.4642	-639.993	0.6578929	0	-0.012557744	0	0
cov1_2_3_4_5_6_8_11	49.4699	-639.996	0.6534996	0	0.083250411	0	0.03148757
cov1_3_5_7_8_9_10_11	49.5597	-640.041	0.6572823	0	0.016747654	0	0
cov1_3_5_6_7_9_10_11	49.5967	-640.06	0.6571596	0	-0.021305973	0	0
cov1_3_5_6_8_9_10_11	49.6768	-640.1	0.6570876	0	-0.015775887	0	0
cov1_2_4_5_6_9_10_11	49.8167	-640.17	0.6566461	0	0.052080462	0	-0.014168694
cov1_2_3_5_6_7_8_11	49.9694	-640.246	0.652757	0	-0.00788036	0	0.11836264
cov1_2_3_4_6_7_8_11	50.0387	-640.281	0.6525529	0	-0.075215204	0	0.086351049
cov2_3_4_5_6_7_8_9_10	55.1421	-639.228	0.6538836	0	0	0	0.029620163
cov2_3_4_5_6_7_8_9_11	55.1452	-639.229	0.653197	0	0	0	0.027876577
cov1_2_3_4_5_6_7_8_9	55.1531	-639.233	0.6536379	0	0.007707505	0	0.027815254
cov2_3_4_5_6_7_8_10_11	55.1534	-639.233	0.653993	0	0	0	0.027396171
cov1_2_3_4_5_6_7_8_10	55.1618	-639.238	0.6544507	0	0.008268523	0	0.027308635
cov3_4_5_6_7_8_9_10_11	55.173	-639.243	0.6540339	0	0	0	0
cov1_3_4_5_6_7_8_9_10	55.1739	-639.244	0.6547618	0	0.028457861	0	0
cov1_3_4_5_6_7_8_9_11	55.1766	-639.245	0.6539703	0	0.023256311	0	0
cov2_4_5_6_7_8_9_10_11	55.1776	-639.245	0.6543826	0	0	0	0.019520748
cov1_2_4_5_6_7_8_9_10	55.1817	-639.247	0.6544165	0	-0.010083081	0	0.024971388
cov1_3_4_5_6_7_8_10_11	55.1835	-639.248	0.6547552	0	0.023088689	0	0
cov1_2_4_5_6_7_8_9_11	55.1844	-639.249	0.6537123	0	-0.01413546	0	0.024564539
cov1_2_3_4_5_7_8_9_11	55.1932	-639.253	0.6531455	0	0.027770373	0	0.027394074
cov1_2_3_4_5_7_8_9_10	55.194	-639.254	0.6539852	0	0.034746648	0	0.028025211
cov2_3_4_5_7_8_9_10_11	55.1945	-639.254	0.6528749	0	0	0	0.035940679
cov1_2_4_5_6_7_8_10_11	55.1955	-639.254	0.6545181	0	-0.014336888	0	0.023922952
cov1_4_5_6_7_8_9_10_11	55.1991	-639.256	0.6546795	0	0.004389477	0	0
cov1_2_3_4_5_7_8_10_11	55.2034	-639.258	0.6539633	0	0.028684648	0	0.026820688
cov1_3_4_5_7_8_9_10_11	55.2124	-639.263	0.6541967	0	0.0475953	0	0
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cov2_3_4_5_6_7_9_10_11	55.2884	-639.301	0.6534479	0	0	0	0.027518089
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cov1_2_3_4_5_6_7_9_11	55.3003	-639.307	0.6531537	0	0.003249593	0	0.027150012
cov1_2_3_4_5_6_7_10_11	55.3086	-639.311	0.6539545	0	0.003602616	0	0.026583311
cov1_3_4_5_6_7_9_10_11	55.3192	-639.316	0.6542117	0	0.022797927	0	0
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cov1_2_4_6_7_8_9_10_11	55.3583	-639.336	0.6529927	0	-0.085489261	0	0.053589884
cov1_2_3_4_5_6_8_9_11	55.36	-639.337	0.6530975	0	0.008891662	0	0.02667272
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cov1_2_3_4_5_6_8_10_11	55.3679	-639.341	0.6538967	0	0.009207913	0	0.02611209
cov1_2_3_4_6_7_8_9_11	55.3765	-639.345	0.6525465	0	-0.085806639	0	0.054590475
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cov1_2_3_4_5_6_9_10_11	55.7484	-639.531	0.6532357	0	0.069710018	0	0.020774657
cov1_2_3_6_7_8_9_10_11	55.7634	-639.538	0.6529982	0	-0.072490138	0	0.10812263
cov1_2_3_5_6_7_8_9_10	55.7688	-639.541	0.6533419	0	-0.074994302	0	0.1082322
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cov1_2_3_5_6_7_9_10_11	55.9158	-639.615	0.6528619	0	-0.079595669	0	0.10754938
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cov1_2_3_4_5_7_8_9_10_11	62.3903	-639.247	0.6534905	0	0.027000199	0	0.027101847
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cov1_2_3_4_5_6_8_9_10_11	62.5571	-639.33	0.6534451	0	0.008151133	0	0.026382467
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cov1_2_3_4_5_6_7_8_9_10_11	69.5517	-639.223	0.6535942	0	0.002027582	0	0.026834886

[illegible]

[illegible]

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0	0	0	0	0	0.075705318	0	0	-0.6264222
0	-0.071140849	0	0.054167671	0	0	0	0.084411092	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	-0.065388636	0	0.075281504	0
0	-0.088973579	0	0	0	0	0	0.10013555	0
0	-0.038524762	0	0.1946081	0	-0.089919419	0	0	0
0	-0.087141533	0	0	0	0	0	0.12817381	0
0	0	0	0	0	0	0	0.064657175	0
0	0	0	0.20367393	0	-0.11888356	0	0	0
0	-0.066622281	0	0.062253405	0	0	0	0	0
0	0	0	0.048842601	0	0	0	0.033773572	0
0	0	0	0.05609242	0	0	0	0	0
0	0	0	0.083524183	0	0	0	0.083522234	0
0	0	0	0	0	0	0	0.080371236	0
0	0	0	0	0	-0.06597733	0	0	0
0	0	0	0.054522169	0	0	0	0	0
0	0	0	0.085139946	0	0	0	0.084739615	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	-0.024595922	0	0	0
0	-0.085458351	0	0	0	0	0	0	0
0	-0.052602798	0	0.10320845	0	0	0	0	0
0	0	0	0.089328699	0	0	0	0	0
0	0.071033455	0	0	0	0	0	0	-0.627443
0	0	0	0	0	-0.059957302	0	0.092756848	0
0	0	0	0	0	0	0	0.1002115	0
0	0	0	0	0	-0.024745313	0	0.14712899	0
0	0	0	0	0	-0.061626876	0	0	0
0	-0.081928177	0	0	0	0.030675477	0	0	0
0	0	0	0.15385749	0	-0.072207161	0	0	-0.14968722

[illegible]

0	0	0	0	0	0	0	-0.003117674	0	0
0	0	0	0	0	-0.004497789	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	-0.001686907	0	0
0	-0.083891295	0	0.16764675	0	-0.090355356	0	0	0	0
0	-0.0846827	0	0.16676832	0	-0.087741998	0	0	0	0
0	-0.10415585	0	0.048699411	0	0	0	0	0	0
0	-0.12771971	0	0	0	-0.039787212	0	0	0	0
0	-0.12819117	0	0	0	-0.037804442	0	0	0	0
0	-0.10350288	0	0.047208815	0	0	0	0	0	0
0	0	0	0	0	0	0	0.065669952	0	-0.6266241
0	0	0	0	0	0	0	0.066941161	0	-0.62643226
0	-0.11989694	0	0	0	0	0	0	0	0
0	-0.11888927	0	0	0	0	0	0	0	0
0	-0.11753753	0	0	0	0	0	0	0	0
0	-0.11947178	0	0	0	0	0	0	0	0
0	0	0	0.17313163	0	-0.20534792	0	0	0	-0.1522379
0	-0.089501738	0	0.089957071	0	0	0	0	0	0
0	-0.11629904	0	0	0	0	0	0	0	0
0	-0.086984499	0	0.098345056	0	0	0	0	0	0
0	-0.091504394	0	0.084424962	0	0	0	0.009161509	0	0
0	-0.11965398	0	0	0	0	0	0.004399632	0	0
0	-0.086771841	0	0.094873666	0	0	0	0	0	0
0	0	0	0	0	0.05798216	0	0	0	-0.62649246
0	0	0	0	0	0.059628879	0	0	0	-0.62649371
0	-0.1186025	0	0	0	0	0	0.002817841	0	0
0	-0.085846822	0	0.098022914	0	0	0	0	0	0
0	0	0	0	0	0.027757257	0	0.040585641	0	-0.17533195
0	0	0	0	0	0.029085124	0	0.040738155	0	-0.17542435
0	-0.08558062	0	0.094158946	0	0	0	0	0	0
0	-0.031825184	0	0	0	0	0	0.066806435	0	-0.1447451
0	-0.033464218	0	0	0	0	0	0.068209329	0	-0.14325894
0	-0.090455827	0	0.083919357	0	0	0	0.008026952	0	0
0	0	0	0.17388631	0	-0.20611407	0	0	0	0
0	0	0	0	0	0	0	0.053909642	0	-0.1796278
0	0	0	0	0	0	0	0.054914877	0	-0.17982819
0	0	0	0	0	0	0	0	0	-0.62648236
0	0	0	0.15879532	0	-0.1534897	0	0.11802221	0	-0.15612624
0	0	0	0	0	0	0	0	0	-0.62647906
0	0	0	0	0	0	0	0.06539774	0	-0.17473132
0	0	0	0	0	0	0	0.054214009	0	-0.17476585
0	0	0	0	0	0	0	0.054828522	0	-0.1748415
0	0	0	0	0	0.045344758	0	0	0	-0.18241181
0	0	0	0	0	0.046799495	0	0	0	-0.18257856
0	-0.037744976	0	0	0	0	0	0.06834629	0	0
0	-0.036080574	0	0	0	0	0	0.066936095	0	0
0	0	0	0	0	0.028320706	0	0.039959204	0	0



[illegible]

0	0	0	0.090808886	0	-0.082786169	0	0	0
0	0	0	0	0	-0.058284599	0	0.060786977	0
0	-0.10565141	0	0.18903489	0	-0.29468816	0	0	0
0	0	0	0	0	-0.057944834	0	0.060214789	0
0	0	0	0	0	-0.030801957	0	0	0
0	0	0	0	0	0	0	0.072580042	0
0	0	0	0	0	0	0	0.030883011	0
0	0	0	0.02579525	0	0	0	0	0
0	0	0	0	0	-0.05346614	0	0	0
0	0.042098919	0	0.044068508	0	0	0	0	0
0	0.0184934	0	0	0	0	0	0	0
0	0	0	0	0	-0.037397631	0	0	0
0	0	0	0	0	0	0	0.071324363	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0.021750679	0	0	0	0.026860693	0
0	0.004115706	0	0	0	-0.029369156	0	0	0
0	-0.11549514	0	0	0	0	0	0.072861281	0
0	-0.11852976	0	0	0	-0.013870667	0	0.086226924	0
0	-0.11590161	0	0	0	0	0	0.058299032	0
0	0.015365886	0	0	0	0	0	0.028224428	0
0	-0.021636196	0	0	0	0	0	0	0
0	-0.11637917	0	0	0	0	0	0.071400656	0
0	0	0	0	0	0	0	0.033665498	0
0	0	0	0	0	-0.053523792	0	0	0
0	-0.11781179	0	0	0	-0.015366765	0	0.086139167	0
0	-0.11481333	0	0	0	0	0	0.057745016	0
0	0	0	0	0	0	0	0	0
0	-0.11516548	0	0	0	0	0	0.070492873	0
0	0	0	0.027136622	0	0	0	0	0
0	0	0	0.025454288	0	0	0	0	0
0	0	0	0	0	-0.037027702	0	0	0
0	0.037873113	0	0.042918513	0	0	0	0	0
0	-0.022771253	0	0	0	0	0	0	0
0	0	0	0.12986499	0	0	0	0	0
0	0	0	0.13040594	0	0	0	0	0
0	0	0	0.12038341	0	0	0	0	0
0	0	0	0.10841124	0	0	0	0	0
0	0	0	0.10689914	0	0	0	0	0
0	0	0	0.022470301	0	0	0	0.026396488	0
0	0	0	0.11571336	0	0	0	0	0
0	0	0	0.12779422	0	0	0	0.033627911	0
0	0	0	0.1169025	0	0	0	0	0
0	0.018882366	0	0	0	0	0	0	0
0	0.019688816	0	0	0	0	0	0	0
0	0	0	0.12729099	0	0	0	0.032957024	0
0	0	0	0.1177854	0	0	0	0.007042477	0

0	-0.1243571	0	0	0	-0.03935538	0	0	0
0	0	0	0.11731389	0	0	0	0.006443576	0
0	-4.74E-05	0	0	0	-0.030598955	0	0	0
0	-0.12373526	0	0	0	-0.041173942	0	0	0
0	0	0	0.13049362	0	0	0	0	0
0	0	0	0	0	0	0	0	-0.19245468
0	0.011689845	0	0	0	0	0	0.028175009	0
0	0	0	0	0	0	0	0.033586737	0
0	-0.11568954	0	0	0	0	0	0	0
0	0	0	0.027750638	0	0	0	0	0
0	0	0	0.026157321	0	0	0	0	0
0	0.084839464	0	0.16493063	0	-0.060488277	0	0	-0.24185925
0	-0.021487087	0	0	0	0	0	0	-0.15791891
0	-0.11655187	0	0	0	0	0	0	0
0	0	0	0.16358862	0	-0.10494935	0	0	-0.18132426
0	-0.11532275	0	0	0	0	0	0	0
0	0.062164104	0	0.080657679	0	0	0	0.043168357	-0.23142378
0	0.015317111	0	0	0	0	0	0	0
0	0.016039867	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	-0.025576547	0	0	0	0	0	0	0
0	0	0	0.11328446	0	0	0	-0.016919555	0
0	0	0	0.10926888	0	0	0	-0.018264156	0
0	0	0	0.16437525	0	-0.10512476	0	0	0
0	0	0	0.10798188	0	0	0	-0.019762287	0
0	0	0	0.10429887	0	0	0	0	0
0	0.081372831	0	0.16577713	0	-0.061259551	0	0	0
0	0.086808493	0	0.1123484	0	0	0	0	-0.62720964
0	0	0	0.063310106	0	0	0	0.064044716	-0.6264955
0	0.058235984	0	0.080387273	0	0	0	0.043783261	0
0	-0.086026724	0	0.1735034	0	-0.2040494	0	0.1622495	0
0	0.079356546	0	0.10144373	0	0	0	0	-0.25185536
0	0.074873174	0	0.095327348	0	0	0	0	-0.24258992
0	0	0	0.068347819	0	0	0	0.080116546	-0.17595266
0	0	0	0.063480615	0	0	0	0.061522191	-0.17732261
0	-0.11231339	0	0	0	0.035041037	0	0	0
0	-0.11133831	0	0	0	0.033443539	0	0	0
0	0.07067058	0	0.09447409	0	0	0	0	0
0	0.075820249	0	0.10160061	0	0	0	0	0
0	-0.10365887	0	0	0	0.051010138	0	0	0
0	0	0	0.068817499	0	0	0	0.078889893	0
0	0	0	0.064221491	0	0	0	0.061395749	0
0	0	0	0.071819679	0	0	0	0	-0.62608784
0	-0.1233359	0	0	0	0	0	0	0
0	0	0	0.1651496	0	-0.064917236	0	0	-0.62617792
0	-0.12727445	0	0	0	-0.12126463	0	0.11031692	0
0	0	0	0.088280454	0	0	0	0	-0.62618844

0	0	0	0.071349695	0	0	0	0	-0.18117414
0	0	0	0.071783986	0	0	0	0	0
0	0	0	0	0	-0.023691512	0	0.12479342	-0.62673065
0	-0.13312647	0	0	0	-0.14793546	0	0	0
0	0.021417749	0	0	0	0	0	0.10350505	-0.62759588
0	0	0	0	0	0	0	0.097112428	-0.62642153
0	0	0	0	0	0	0	0.090580833	-0.62663109
0	0	0	0	0	-0.047571147	0	0.086211533	-0.18250913
0	0	0	0	0	-0.027741098	0	0.11311204	-0.1898922
0	0	0	0	0	-0.047686107	0	0.084986211	0
0	0	0	0.20189618	0	-0.23968939	0	0.060798413	0
0	0.012490036	0	0	0	-0.017484216	0	0.11764361	-0.19573987
0	0.022093851	0	0	0	0	0	0.093158153	-0.20959967
0	0.021840887	0	0	0	0	0	0.085923181	-0.2051119
0	0	0	0	0	0	0	0.086341099	-0.1883339
0	0	0	0	0	0	0	0.025991135	0
0	0	0	0	0	-0.027110218	0	0.11301057	0
0	0	0	0	0	0	0	0.027397707	0
0	0	0	0.20795242	0	-0.24586932	0	0	0
0	0	0	0	0	0.011760359	0	0	0
0	0	0	0	0	-0.050135412	0	0	-0.62629858
0	0	0	0	0	0	0	0	0
0	0.00761215	0	0	0	-0.01901882	0	0.11943259	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.013409854	0	0	0
0	0.018134975	0	0	0	0	0	0.093920454	0
0	0.017893757	0	0	0	0	0	0.084928884	0
0	0	0	0	0	0	0	0.085230037	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0.045530843	0
0	0	0	0	0	0	0	0.046384919	0
0	0	0	0.21748197	0	-0.25485338	0	0	0
0	0	0	0	0	0.026726863	0	0	0
0	0	0	0	0	-0.050008831	0	0	-0.18926013
0	0	0	0	0	0.028232229	0	0	0
0	0.026103832	0	0	0	0	0	0	-0.62659036
0	0	0	0	0	0	0	0	0
0	-0.004358879	0	0	0	-0.052769972	0	0	-0.17980893
0	0	0	0	0	0	0	0	-0.62609291
0	-0.090527107	0	0.086290059	0	-0.10974023	0	0	0
0	0	0	0	0	0	0	0.004772114	0
0	0	0	0	0	-0.002896954	0	0	0
0	0	0	0	0	-0.009265186	0	0.010319012	0
0	0	0	0	0	-0.007994788	0	0.01109554	0
0	0	0	0.17418956	0	-0.18195046	0	0.11207529	0
0	0	0	0	0	-0.05006766	0	0	0
0	0.026766508	0	0	0	0	0	0	-0.21633843

0	-0.010256404	0	0	0	-0.056826155	0	0	0	0
0	0	0	0.19237266	0	-0.18389963	0	0.13418432	0	0
0	0.023085834	0	0	0	0	0	0	0	0
0	-0.11552763	0	0	0	-0.07541661	0	0	0	0
0	-0.093870016	0	0	0	0	0	0.08486439	0	0
0	-0.088735365	0	0	0	0	0	0.059703554	0	0
0	0.062249754	0	0	0	0.047334274	0	0	0	-0.26285083
0	-0.12624559	0	0	0	-0.13707981	0	0.096781057	0	0
0	0	0	0	0	0.032480924	0	0.060356928	0	0
0	0	0	0	0	0.033819211	0	0.060587184	0	0
0	-0.096539119	0	-0.007710943	0	0	0	0.046131615	0	0
0	0	0	0	0	0	0	0.062426726	0	0
0	0	0	0	0	0	0	0.063105602	0	0
0	0.058468754	0	0	0	0.047061891	0	0	0	0
0	0	0	0	0	0.033199145	0	0	0	-0.62652407
0	0	0	0	0	0	0	0.084481707	0	0
0	0	0	0	0	0.025210611	0	0.046647857	0	0
0	0.083774924	0	0	0	0.079805237	0	0	0	-0.62677224
0	0	0	0	0	0.032389597	0	0.055957163	0	0
0	0	0	0	0	0.034122107	0	0.056560424	0	0
0	0.041325089	0	0	0	0	0	0	0	-0.627371
0	0	0	0	0	0	0	0.057928174	0	0
0	0	0	0	0	0.035859449	0	0	0	0
0	0	0	0	0	0.037635479	0	0	0	0
0	-0.089604766	0	0	0	0	0	0	0	0
0	0	0	0	0	0.037452766	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.068911445	0	0	0	0
0	-0.089076307	0	0.004379903	0	0	0	0	0	0
0	-0.092577881	0	-8.62E-05	0	0	0	0	0	0
0	0	0	0.13988226	0	-0.11339095	0	0	0	0
0	-0.12540281	0	0	0	-0.13934481	0	0	0	0
0	-0.11031325	0	0	0	-0.074841658	0	0.1732898	0	0
0	-0.062041924	0	0.19194519	0	-0.12896464	0	0	0	0
0	-0.066087456	0	0.058485543	0	0	0	0.095288676	0	0
0	-0.070181467	0	0.056623911	0	0	0	0.092232522	0	0
0	0	0	0	0	-0.057212054	0	0.090396791	0	0
0	0	0	0.048393644	0	0	0	0.057675352	0	0
0	0	0	0	0	-0.063727778	0	0.077672844	0	0
0	0	0	0.052951348	0	0	0	0.078254294	0	0
0	-0.086290985	0	0	0	0	0	0.10225009	0	0
0	0	0	0	0	0	0	0.085972907	0	0
0	-0.063489089	0	0.063647353	0	0	0	0	0	0
0	0	0	0	0	-0.064933389	0	0	0	0
0	0	0	0.053079668	0	0	0	0	0	0
0	0	0	0.085237407	0	0	0	0.089853809	0	0
0	0	0	0	0	-0.058718554	0	0.097660633	0	0

0	0	0	0.15402666	0	-0.072379207	0	0	0	-0.62638585
0	0	0	0.15341036	0	-0.070264284	0	0	0	-0.62624505
0	0	0	0.15321901	0	-0.10019736	0	0.038283881	0	-0.14859464
0	0	0	0.15268502	0	-0.098603411	0	0.038672312	0	-0.14879181
0	0	0	0.13054777	0	-0.077270733	0	0	0	-0.15412705
0	0	0	0.1302146	0	-0.075240851	0	0	0	-0.15430806
0	0	0	0.1573025	0	-0.10877991	0	0	0	-0.14799994
0	0	0	0.1567666	0	-0.10691286	0	0	0	-0.14822415
0	0	0	0.15384984	0	-0.084870491	0	0	0	-0.15547202
0	0	0	0.15326405	0	-0.082978164	0	0	0	-0.15577706
0	0	0	0.15402658	0	-0.10042232	0	0.037773969	0	0
0	0	0	0.15348991	0	-0.098814007	0	0.038156807	0	0
0	0	0	0.13164717	0	-0.077771687	0	0	0	0
0	0	0	0.15353836	0	-0.071364357	0	0	0	-0.14966567
0	0	0	0.13131243	0	-0.075737215	0	0	0	0
0	0.002078891	0	0.15390561	0	-0.072074398	0	0	0	-0.15163027
0	0	0	0.1580766	0	-0.10958595	0	0	0	0
0	0.001195607	0	0.15328244	0	-0.069999967	0	0	0	-0.15104456
0	0	0	0.15754163	0	-0.10771292	0	0	0	0
0	0	0	0.15462541	0	-0.085016007	0	0	0	0
0	0	0	0.15385673	0	-0.082787518	0	0	0	0
0	0	0	0.1543037	0	-0.071931949	0	0	0	0
0	-0.001895897	0	0.1545779	0	-0.072896415	0	0	0	0
0	-0.00278809	0	0.15394366	0	-0.070802852	0	0	0	0
0	0	0	0.083892075	0	0	0	0	0	-0.16371858
0	0	0	0.084915808	0	0	0	0	0	-0.16360018
0	0	0	0.11120378	0	0	0	0	0	-0.62626469
0	0	0	0.11069517	0	0	0	0	0	-0.62626364
0	0	0	0.072811259	0	0	0	0	0	-0.6262919
0	0	0	0.071349497	0	0	0	0	0	-0.62628944
0	0	0	0.084613083	0	0	0	0	0	0
0	0	0	0.091658857	0	0	0	0	0	-0.62638116
0	0	0	0.085635383	0	0	0	0	0	0
0	0	0	0.095807807	0	0	0	-0.005346203	0	-0.62605358
0	0	0	0.094048599	0	0	0	0	0	-0.62638482
0	0.004545789	0	0.092659951	0	0	0	0	0	-0.62674683
0	0	0	0.095200122	0	0	0	-0.006287381	0	-0.62607479
0	0	0	0.093196734	0	0	0	0	0	-0.62626426
0	0.005847131	0	0.091574721	0	0	0	0	0	-0.62675549
0	0	0	0.10855527	0	0	0	0.03413963	0	-0.15781208
0	0	0	0.10809258	0	0	0	0.033568925	0	-0.15782564
0	0	0	0.11127383	0	0	0	0	0	-0.15751317
0	0.019930177	0	0.11581051	0	0	0	0	0	-0.17569257
0	0	0	0.11059234	0	0	0	0	0	-0.1621884
0	0.018049857	0	0.115788	0	0	0	0	0	-0.17400137
0	0	0	0.11009623	0	0	0	0	0	-0.16209298
0	0	0	0.07731268	0	0	0	-0.017901933	0	-0.16369161



0	0	0	0	0	0	0.04117954	0	-0.17829424
0	0	0	0	0	0	0	0	-0.62625659
0	-0.037403256	0	0	0	0	0	0	-0.14349098
0	0	0	0	0	-0.006237159	0	0	-0.62636811
0	0	0	0	0	0	0	0	-0.62649035
0	0	0	0	0	0	-0.001612726	0	-0.62650171
0	0	0	0	0	0	0.041935909	0	-0.17836496
0	0	0	0	0	-0.00465896	0	0	-0.62636705
0	0	0	0	0	0	0	0	-0.62649769
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0	0	0	0	0	0.032269567	0	0	-0.17931126
0	-0.045527608	0	0	0	-0.01841317	0	0	-0.13482899
0	0	0	0	0	0.033731681	0	0	-0.17941357
0	-0.046200962	0	0	0	-0.016846952	0	0	-0.13429127
0	-0.10228176	0	0.12179398	0	-0.099367755	0	0	0
0	-0.038087464	0	0	0	0	0	0	-0.14143641
0	-0.10288059	0	0.12121021	0	-0.096934583	0	0	0
0	-0.039880886	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	-0.18218031
0	-0.036684003	0	0	0	0	0	0	-0.14186431
0	0	0	0	0	0	0	0	-0.17865682
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0	-0.038315093	0	0	0	0	-0.000295214	0	-0.14140461
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0	0	0	0	0	0	0	0	-0.1823826
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0	-0.050627061	0	0	0	-0.017930293	0	0	0
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0	-0.042050522	0	0	0	0	0	0	0
0	0	0	0	0	0.033676778	0	0	0
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0	-0.040670616	0	0	0	0	-0.001990201	0	0
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0	0	0	0	0	-0.005346922	0	0	-0.17744464
0	0	0	0	0	0	0	0	-0.17629025
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0	-0.091986683	0	0.16731644	0	-0.10589753	0	0	0	0	0
0	-0.092942717	0	0.16644272	0	-0.10366829	0	0	0	0	0
0	-0.08461515	0	0.16704098	0	-0.089116663	0	0	0	0	0
0	-0.10098028	0	0.059657185	0	0	0	0	0	0	0
0	-0.13340443	0	0	0	-0.062625049	0	0.043695883	0	0	0
0	-0.13287918	0	0	0	-0.064101095	0	0.043142707	0	0	0
0	-0.10017184	0	0.058723487	0	0	0	0	0	0	0
0	-0.099504817	0	0.053006559	0	0	0	0	0	0	0
0	-0.09857396	0	0.051803807	0	0	0	0	0	0	0
0	0	0	0.16682905	0	-0.19805619	0	0.061217001	0	-0.15240364	0
0	-0.10398874	0	0.048523149	0	0	0	0	0	0	0
0	-0.12811783	0	0	0	-0.03858715	0	0	0	0	0
0	-0.1311288	0	0	0	-0.055727652	0	0	0	0	0
0	-0.13163829	0	0	0	-0.054157046	0	0	0	0	0
0	-0.1035535	0	0.050722685	0	0	0	-0.006649947	0	0	0
0	0	0	0.17332146	0	-0.20583441	0	0	0	-0.62617614	0
0	-0.12843379	0	0	0	-0.041014223	0	0	0	0	0
0	-0.12907279	0	0	0	-0.039316269	0	0	0	0	0
0	-0.10277976	0	0.049655743	0	0	0	-0.008093355	0	0	0
0	-0.034724087	0	0	0	0	0	0.068816456	0	-0.62687549	0
0	-0.033070241	0	0	0	0	0	0.067410574	0	-0.62688295	0
0	-0.11980456	0	0	0	0	0	0.045311438	0	0	0
0	0	0	0.12123021	0	-0.14023434	0	0.08815111	0	-0.16332697	0
0	0	0	0	0	0.026582249	0	0.042178687	0	-0.62658854	0
0	0	0	0	0	0.027906637	0	0.042335602	0	-0.62658491	0
0	-0.11880979	0	0	0	0	0	0.04460543	0	0	0
0	0	0	0.16775841	0	-0.19901552	0	0.060115192	0	0	0
0	0	0	0	0	0	0	0.055022543	0	-0.62662852	0
0	0	0	0.15892494	0	-0.15479524	0	0.11941091	0	-0.62631977	0
0	0	0	0	0	0	0	0.055958933	0	-0.6263118	0
0	0	0	0	0	0	0	0.065900858	0	-0.62661261	0
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0	0	0	0	0	0	0	0.057431326	0	-0.62662782	0
0	0	0	0.14933684	0	-0.18486431	0	0	0	-0.15742847	0

[illegible]

0	0	0	0	0	0	0	0.051754067	0	-0.17940897
0	0	0	0	0	0	0	0.052319896	0	-0.17956414
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0	-0.036583124	0	0	0	0	0	0.055600517	0	0
0	0	0	0	0	0	0	0.054287526	0	-0.17468647
0	0	0	0	0	0.046155476	0	0	0	-0.18226629
0	-0.028494777	0	0	0	0.01949118	0	0.050611808	0	0
0	-0.027206798	0	0	0	0.018530103	0	0.050060943	0	0
0	-0.037466719	0	0	0	0	0	0.067287489	0	0
0	-0.011097234	0	0	0	0.044605157	0	0	0	-0.17274086
0	-0.009847729	0	0	0	0.04336925	0	0	0	-0.17368683
0	-0.038042653	0	0	0	0	0	0.054687293	0	0
0	-0.036349072	0	0	0	0	0	0.054053326	0	0
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0	0	0	0	0	0.04332685	0	0	0	-0.18215031
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0	0	0	0	0	0.040474742	0	0.051071093	0	0
0	0	0	0	0	0.038722862	0	0.050564707	0	0
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0	0	0	0	0	0.026806887	0	0.035476869	0	0
0	0	0	0	0	0.04346015	0	0	0	-0.17605741
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0	0	0	0.089916244	0	-0.082482312	0	0	0	-0.62624696
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0	0	0	0	0	-0.059164505	0	0.062435106	0	-0.62645832
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0	0	0	0.025944911	0	0	0	0.071690792	0	-0.18440228
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0	0.06329288	0	0.16391095	0	-0.090751577	0	0	-0.23395557
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0	0.018165155	0	0	0	0	0	0	-0.62691625
0	0.018953605	0	0	0	0	0	0	-0.62692179
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0	0.44922715	0	0.071937176	0	0.051814472	0	0	0
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0	0	0	0.075171575	0	0.058409696	0	-0.009462846	0
0	0	0	0.075459142	0	0.057423908	0	0	0
0	0	0	0.13159327	0	0	0	-0.009075516	0
0	0	0	0	0	0.13193244	0	-0.009377815	0
0	0	0	0.073942891	0	0.059949247	0	-0.010153042	0
0	0	0	0.077433521	0	0.054956136	0	-0.009055186	0
0	0	0	0.078534779	0	0.058636898	0	-0.011267013	0
0	-0.12089122	0	0.075184829	0	0.059311918	0	-0.009165233	0
0	-0.11613942	0	0.075063551	0	0.058125109	0	0	0
0	0.46043536	0	0.07889768	0	0.072042122	0	-0.008865181	0
0	-0.11917532	0	0.13184366	0	0	0	-0.008314316	0
0	0.46368281	0	0.079254662	0	0.071384356	0	0	0
0	-0.11832011	0	0	0	0.13221109	0	-0.008623178	0
0	0.4599025	0	0.14920938	0	0	0	-0.008632621	0
0	-0.11680632	0	0.073570128	0	0.060584608	0	-0.00938381	0
0	0.46128055	0	0	0	0.14970485	0	-0.008981777	0
0	-0.12117075	0	0.07818255	0	0.059201211	0	-0.010509742	0
0	-0.1514734	0	0.077591403	0	0.054876352	0	-0.008191466	0



0	0.45884173	0	0.082517115	0	0.072474432	0	-0.010982646	0
0	0.45260737	0	0.077647414	0	0.080397476	0	-0.010921918	0
0	0	0	0.078911286	0	0.071688786	0	-0.009198987	0
0	0.4682362	0	0.072525635	0	0.076429212	0	0.005436553	0
0	-0.15978645	0	0.078728427	0	0.073036608	0	-0.008393481	0
0	0	0	0.070015417	0	0.067228836	0	0.001188375	0
0	0.4827638	0	0.074750986	0	0.060748186	0	-0.00865279	0
0	0.48122603	0	0.075687062	0	0.061564023	0	0	0
0	0.47812562	0	0.1358287	0	0	0	-0.008437262	0
0	0.47905447	0	0	0	0.13627082	0	-0.008758879	0
0	0.44532394	0	0.078252014	0	0.058336775	0	-0.008374121	0
0	0.47471444	0	0.080047296	0	0.063002482	0	-0.011418484	0
0	0.50057196	0	0.06962386	0	0.057939222	0	-0.0007537	0
0	0	0	0.075392796	0	0.06210947	0	-0.008973578	0
0	-0.1411626	0	0.075003421	0	0.06282971	0	-0.008172102	0
0	0.49044916	0	0	0	0	0	-0.004758241	0
0	0.46821755	0	0.06945184	0	0.076860666	0	-0.01469012	0
0	0.50058442	0	0.075027587	0	0.058615741	0	-0.009102386	0
0	0.50372991	0	0.075353104	0	0.057668081	0	0	0
0	0.50056551	0	0.13171037	0	0	0	-0.00876944	0
0	0.50142207	0	0	0	0.13206163	0	-0.009077449	0
0	0.50303174	0	0.073835542	0	0.060179349	0	-0.009835272	0
0	0.4716068	0	0.077522881	0	0.054924626	0	-0.008722561	0
0	0.49846774	0	0.078787318	0	0.058848383	0	-0.011155965	0
0	0	0	0.075019452	0	0.05827353	0	-0.0092548	0
0	-0.11866522	0	0.074646653	0	0.058919777	0	-0.008497721	0
0	0.46111079	0	0.078844834	0	0.07219193	0	-0.008853759	0
0	0.47863075	0	0.07527804	0	0.062357644	0	-0.008645588	0
0	0.50105588	0	0.074897681	0	0.058520619	0	-0.008961249	0

SUPPLEMENTARY TABLE 4

Model	BIC	Loglike	H2r	SE	bsnp_rs2938864	SE	bsnp_rs1001646
cov0	0	-361.944	0.6608045	0	0	0	0
cov4	2.7186	-359.906	0.6654512	0	0	0	0
cov7	3.1998	-360.146	0.6433935	0	0	0	0
cov3	3.2282	-360.161	0.6423395	0	0	0	0
cov8	3.3258	-360.209	0.6437329	0	0	0	0
cov9	3.7979	-360.445	0.663795	0	0	0	0
cov2	4.085	-360.589	0.6625308	0	0	0	0.12871133
cov10	4.1421	-360.617	0.6645435	0	0	0	0
cov3_9	4.5877	-357.443	0.6350964	0	0	0	0
cov3_10	4.997	-357.648	0.6363289	0	0	0	0
cov6	5.4115	-361.252	0.6659444	0	0	0	0
cov1	5.4437	-361.268	0.6663568	0	0.090644777	0	0
cov5	5.8512	-361.472	0.6655897	0	0	0	0
cov2_3	6.1647	-358.232	0.6451598	0	0	0	0.15616198
cov11	6.4733	-361.783	0.6607402	0	0	0	0
cov4_7	6.6297	-358.464	0.65184	0	0	0	0
cov4_8	6.7366	-358.517	0.6521338	0	0	0	0
cov4_5	6.8464	-358.572	0.6555898	0	0	0	0
cov3_4	6.9971	-358.648	0.6521941	0	0	0	0
cov7_9	7.311	-358.805	0.6459777	0	0	0	0
cov8_9	7.4392	-358.869	0.6463696	0	0	0	0
cov2_7	7.4503	-358.874	0.6474389	0	0	0	0.12509183
cov4_9	7.522	-358.91	0.6670117	0	0	0	0
cov2_8	7.5727	-358.936	0.647753	0	0	0	0.1251831
cov7_10	7.63	-358.964	0.6466505	0	0	0	0
cov4_10	7.7318	-359.015	0.6678278	0	0	0	0
cov8_10	7.7583	-359.028	0.6470393	0	0	0	0
cov1_3	7.8074	-359.053	0.6488819	0	0.11821102	0	0
cov3_6	7.8784	-359.088	0.6490949	0	0	0	0
cov1_7	8.7685	-359.533	0.6503342	0	0.086733157	0	0
cov6_7	8.7934	-359.546	0.650083	0	0	0	0
cov3_11	8.8529	-359.576	0.6401217	0	0	0	0
cov1_8	8.891	-359.595	0.6506594	0	0.086856981	0	0
cov6_8	8.9293	-359.614	0.6504077	0	0	0	0
cov5_7	9.03	-359.664	0.6497425	0	0	0	0
cov4_11	9.0633	-359.681	0.667757	0	0	0	0
cov5_8	9.1539	-359.726	0.6500576	0	0	0	0
cov1_4	9.2655	-359.782	0.6634852	0	-0.057746464	0	0
cov7_11	9.266	-359.782	0.6429829	0	0	0	0
cov3_7	9.3096	-359.804	0.6393079	0	0	0	0
cov3_8	9.3762	-359.837	0.6394425	0	0	0	0
cov3_5	9.379	-359.839	0.6485275	0	0	0	0
cov4_6	9.3866	-359.842	0.6644448	0	0	0	0
cov8_11	9.4035	-359.851	0.6433228	0	0	0	0
cov2_4	9.5112	-359.905	0.6653684	0	0	0	0.00574008

cov2_9	9.5746	-359.936	0.6645454	0	0	0	0.08697783
cov3_4_9	9.7708	-356.637	0.6440412	0	0	0	0
cov2_10	9.7888	-360.044	0.6651264	0	0	0	0.091829699
cov7_8	9.884	-360.091	0.6435538	0	0	0	0
cov3_4_10	10.057	-356.78	0.645534	0	0	0	0
cov5_9	10.1098	-360.204	0.6669494	0	0	0	0
cov2_3_9	10.1263	-356.815	0.6395299	0	0	0	0.097296784
cov2_11	10.3526	-360.325	0.6641696	0	0	0	0.17993027
cov9_10	10.3597	-360.329	0.6614119	0	0	0	0
cov6_9	10.3902	-360.344	0.6656709	0	0	0	0
cov2_3_10	10.3904	-356.947	0.6408311	0	0	0	0.1021785
cov5_10	10.3924	-360.345	0.667869	0	0	0	0
cov1_9	10.3997	-360.349	0.6659986	0	0.038189026	0	0
cov9_11	10.5925	-360.445	0.6637949	0	0	0	0
cov1_2	10.6625	-360.48	0.6590576	0	-0.070179301	0	0.1887273
cov6_10	10.6666	-360.482	0.6666027	0	0	0	0
cov1_10	10.6755	-360.487	0.6669452	0	0.044125235	0	0
cov2_5	10.7276	-360.513	0.6600312	0	0	0	0.16326696
cov2_6	10.8042	-360.551	0.6610154	0	0	0	0.15870794
cov10_11	10.9334	-360.616	0.6645281	0	0	0	0
cov1_3_9	11.0771	-357.29	0.6391884	0	0.048445861	0	0
cov3_6_9	11.1219	-357.313	0.6388512	0	0	0	0
cov3_9_11	11.1785	-357.341	0.6347731	0	0	0	0
cov3_5_9	11.2434	-357.374	0.6383981	0	0	0	0
cov3_9_10	11.2613	-357.383	0.6337963	0	0	0	0
cov3_7_9	11.3786	-357.441	0.6349873	0	0	0	0
cov3_8_9	11.3819	-357.443	0.6350545	0	0	0	0
cov1_3_10	11.4005	-357.452	0.6408126	0	0.05445291	0	0
cov3_6_10	11.4545	-357.479	0.6404908	0	0	0	0
cov4_5_9	11.4942	-357.499	0.6568549	0	0	0	0
cov3_10_11	11.5327	-357.518	0.6359961	0	0	0	0
cov3_4_5	11.5917	-357.548	0.6443221	0	0	0	0
cov4_7_9	11.5943	-357.549	0.652698	0	0	0	0
cov3_5_10	11.6112	-357.557	0.6400567	0	0	0	0
cov4_5_7	11.6702	-357.587	0.645406	0	0	0	0
cov4_8_9	11.7047	-357.604	0.653026	0	0	0	0
cov2_3_5	11.7193	-357.612	0.6333588	0	0	0	0.26408561
cov4_5_10	11.7506	-357.627	0.6578409	0	0	0	0
cov4_5_8	11.7581	-357.631	0.6456594	0	0	0	0
cov3_7_10	11.7851	-357.644	0.6361828	0	0	0	0
cov3_8_10	11.7901	-357.647	0.6362559	0	0	0	0
cov4_7_10	11.7974	-357.651	0.6535151	0	0	0	0
cov4_8_10	11.9075	-357.706	0.6538514	0	0	0	0
cov1_11	11.9813	-361.14	0.6696195	0	0.13763	0	0
cov6_11	12.0104	-361.154	0.6683656	0	0	0	0
cov1_6	12.1688	-361.234	0.6663019	0	0.039968784	0	0
cov5_6	12.2047	-361.252	0.6660238	0	0	0	0

cov1_5	12.2337	-361.266	0.666264	0	0.099775998	0	0
cov1_4_9	12.4347	-357.969	0.6594409	0	-0.18439968	0	0
cov5_11	12.6333	-361.466	0.6661846	0	0	0	0
cov2_3_7	12.7264	-358.115	0.6434028	0	0	0	0.14868216
cov2_3_8	12.7623	-358.133	0.6435449	0	0	0	0.14933282
cov1_4_10	12.795	-358.149	0.6611078	0	-0.17620886	0	0
cov1_2_3	12.8419	-358.173	0.6430154	0	-0.051957903	0	0.20031182
cov2_3_11	12.8827	-358.193	0.646491	0	0	0	0.17523411
cov2_3_6	12.9188	-358.211	0.6440418	0	0	0	0.17806173
cov4_6_9	12.9239	-358.214	0.6632591	0	0	0	0
cov2_3_4	12.9376	-358.221	0.6463181	0	0	0	0.1375102
cov4_9_11	13.0428	-358.273	0.6704138	0	0	0	0
cov3_4_7	13.0578	-358.281	0.6493184	0	0	0	0
cov1_4_5	13.0683	-358.286	0.6555772	0	0.11831559	0	0
cov2_7_9	13.1115	-358.308	0.6483819	0	0	0	0.086175722
cov3_4_8	13.1236	-358.314	0.6494505	0	0	0	0
cov2_8_9	13.2366	-358.37	0.6487445	0	0	0	0.086313965
cov4_5_6	13.2453	-358.375	0.6549853	0	0	0	0
cov4_6_10	13.25	-358.377	0.6646031	0	0	0	0
cov1_4_7	13.2767	-358.39	0.6504514	0	-0.044946829	0	0
cov1_3_5	13.2768	-358.39	0.6394846	0	0.29945226	0	0
cov2_7_10	13.3069	-358.405	0.6489982	0	0	0	0.090856249
cov4_7_8	13.3133	-358.409	0.6519565	0	0	0	0
cov4_10_11	13.3262	-358.415	0.6712971	0	0	0	0
cov4_6_7	13.341	-358.422	0.6509918	0	0	0	0
cov4_7_11	13.3576	-358.431	0.6531929	0	0	0	0
cov1_4_8	13.381	-358.442	0.6507273	0	-0.045315544	0	0
cov2_4_7	13.3846	-358.444	0.6513603	0	0	0	0.026183146
cov2_8_10	13.4319	-358.468	0.6493515	0	0	0	0.090994195
cov4_6_8	13.442	-358.473	0.6512438	0	0	0	0
cov4_8_11	13.4586	-358.481	0.653539	0	0	0	0
cov2_4_8	13.4934	-358.499	0.6516697	0	0	0	0.025523354
cov2_4_5	13.5519	-358.528	0.6544388	0	0	0	0.039329989
cov5_7_9	13.5875	-358.546	0.6503611	0	0	0	0
cov4_5_11	13.6378	-358.571	0.6552185	0	0	0	0
cov5_8_9	13.714	-358.609	0.6507292	0	0	0	0
cov3_4_6	13.7265	-358.615	0.6521701	0	0	0	0
cov2_4_9	13.7425	-358.623	0.6681173	0	0	0	-0.1140194
cov1_3_4	13.752	-358.628	0.6521471	0	0.02552868	0	0
cov3_4_11	13.7917	-358.648	0.6522107	0	0	0	0
cov5_7_10	13.8462	-358.675	0.6512559	0	0	0	0
cov7_9_10	13.867	-358.685	0.6435869	0	0	0	0
cov1_7_9	13.9246	-358.714	0.6488373	0	0.037141288	0	0
cov6_7_9	13.9379	-358.721	0.6485096	0	0	0	0
cov5_8_10	13.9727	-358.738	0.6516207	0	0	0	0
cov7_8_9	13.9827	-358.743	0.6461075	0	0	0	0
cov8_9_10	13.9948	-358.749	0.643973	0	0	0	0

cov7_9_11	14.0031	-358.753	0.6457358	0	0	0
cov1_2_7	14.0105	-358.757	0.6436398	0	-0.073061636	0.18741934
cov2_4_10	14.0187	-358.761	0.6691042	0	0	-0.10715373
cov1_8_9	14.0511	-358.777	0.6492259	0	0.037326167	0
cov6_8_9	14.0699	-358.787	0.6488709	0	0	0
cov2_6_7	14.1311	-358.817	0.6452756	0	0	0.16192796
cov2_7_8	14.1325	-358.818	0.6475621	0	0	0.1252708
cov1_2_8	14.134	-358.819	0.6439683	0	-0.072892176	0.18737063
cov8_9_11	14.1359	-358.82	0.6461288	0	0	0
cov2_5_7	14.1426	-358.823	0.6451827	0	0	0.15360933
cov3_5_6	14.1456	-358.825	0.6446287	0	0	0
cov2_7_11	14.1479	-358.826	0.6486674	0	0	0.1475998
cov1_7_10	14.18	-358.842	0.6498542	0	0.042874193	0
cov4_9_10	14.1936	-358.849	0.6651826	0	0	0
cov6_7_10	14.1972	-358.85	0.6494945	0	0	0
cov2_6_8	14.2474	-358.876	0.6455195	0	0	0.16297711
cov2_8_11	14.264	-358.884	0.6490193	0	0	0.1484157
cov2_5_8	14.2653	-358.885	0.6455084	0	0	0.15367024
cov7_10_11	14.2839	-358.894	0.6463455	0	0	0
cov1_3_7	14.2862	-358.895	0.6466685	0	0.10917605	0
cov7_8_10	14.3024	-358.903	0.6467829	0	0	0
cov1_8_10	14.3063	-358.905	0.6502273	0	0.0430583	0
cov1_3_8	14.3285	-358.916	0.6468247	0	0.1098749	0
cov6_8_10	14.3299	-358.917	0.6498566	0	0	0
cov3_6_7	14.3512	-358.927	0.6467268	0	0	0
cov3_4_5_9	14.379	-355.544	0.6364391	0	0	0
cov3_6_8	14.4006	-358.952	0.6469065	0	0	0
cov8_10_11	14.4177	-358.961	0.6467253	0	0	0
cov1_3_6	14.5481	-359.026	0.6492006	0	0.073439398	0
cov1_3_11	14.5964	-359.05	0.6495255	0	0.12504503	0
cov3_6_11	14.6726	-359.088	0.6489385	0	0	0
cov3_4_5_10	14.7115	-355.71	0.6381465	0	0	0
cov3_7_11	15.0006	-359.252	0.6376574	0	0	0
cov3_8_11	15.0641	-359.284	0.6377728	0	0	0
cov3_5_7	15.3256	-359.415	0.6460317	0	0	0
cov3_5_8	15.3985	-359.451	0.6461349	0	0	0
cov1_7_8	15.452	-359.478	0.6504755	0	0.0868697	0
cov6_7_8	15.4607	-359.482	0.650263	0	0	0
cov1_6_7	15.5287	-359.516	0.6504652	0	0.050769968	0
cov1_5_7	15.5609	-359.532	0.6504226	0	0.080389059	0
cov5_6_7	15.5617	-359.533	0.6504668	0	0	0
cov1_7_11	15.5629	-359.533	0.6504629	0	0.088139689	0
cov6_7_11	15.5859	-359.545	0.6497161	0	0	0
cov3_5_11	15.6459	-359.575	0.6406394	0	0	0
cov1_6_8	15.6567	-359.58	0.6507938	0	0.053966155	0
cov1_5_8	15.6835	-359.594	0.6507458	0	0.080596358	0
cov1_8_11	15.6848	-359.594	0.6508984	0	0.08946542	0

cov5_6_8	15.6949	-359.599	0.6507999	0	0	0	0
cov2_4_11	15.7048	-359.604	0.6676366	0	0	0	0.056984309
cov5_7_8	15.7165	-359.61	0.6498727	0	0	0	0
cov6_8_11	15.7222	-359.613	0.6500866	0	0	0	0
cov2_9_11	15.7286	-359.616	0.666074	0	0	0	0.14159855
cov1_3_4_5	15.7299	-356.22	0.6355794	0	0.28834588	0	0
cov5_7_11	15.7578	-359.631	0.6479272	0	0	0	0
cov1_2_4	15.8274	-359.666	0.6605709	0	-0.10581839	0	0.082470422
cov1_4_11	15.8491	-359.676	0.6670228	0	-0.014086462	0	0
cov4_6_11	15.856	-359.68	0.6680054	0	0	0	0
cov5_8_11	15.8867	-359.695	0.648317	0	0	0	0
cov1_2_9	15.91	-359.707	0.6594194	0	-0.10350811	0	0.17104288
cov7_8_11	15.9525	-359.728	0.6430969	0	0	0	0
cov2_10_11	15.9661	-359.735	0.6666601	0	0	0	0.14568113
cov3_7_8	15.9766	-359.74	0.6394032	0	0	0	0
cov1_3_4_9	16.0426	-356.376	0.6420091	0	-0.10295052	0	0
cov1_4_6	16.0438	-359.774	0.6633452	0	-0.081564894	0	0
cov2_4_6	16.0852	-359.794	0.6631046	0	0	0	0.049573566
cov2_6_9	16.1099	-359.807	0.6619416	0	0	0	0.13994839
cov3_4_6_9	16.1486	-356.429	0.6426741	0	0	0	0
cov1_2_10	16.1623	-359.833	0.6603482	0	-0.098940942	0	0.17252537
cov2_9_10	16.1777	-359.841	0.6622966	0	0	0	0.085308192
cov2_3_5_9	16.3134	-356.511	0.6321854	0	0	0	0.18029988
cov2_6_10	16.3514	-359.928	0.6627307	0	0	0	0.14207287
cov2_5_9	16.3568	-359.93	0.6638305	0	0	0	0.098194915
cov1_3_4_10	16.401	-356.555	0.6438797	0	-0.095206387	0	0
cov3_4_9_11	16.4149	-356.562	0.6467228	0	0	0	0
cov4_5_7_9	16.4876	-356.598	0.646147	0	0	0	0
cov3_4_6_10	16.4918	-356.6	0.6444235	0	0	0	0
cov3_4_9_10	16.4958	-356.602	0.6428815	0	0	0	0
cov1_2_3_9	16.5166	-356.613	0.6349837	0	-0.097711389	0	0.17645865
cov5_9_11	16.5257	-360.015	0.6700498	0	0	0	0
cov3_4_7_9	16.5397	-356.624	0.6438634	0	0	0	0
cov3_4_8_9	16.5512	-356.63	0.6439146	0	0	0	0
cov2_3_4_9	16.5593	-356.634	0.6437213	0	0	0	0.012826685
cov2_5_10	16.5682	-360.036	0.6643122	0	0	0	0.10434344
cov2_3_5_10	16.5731	-356.641	0.6333907	0	0	0	0.18567272
cov4_5_8_9	16.5771	-356.643	0.6464461	0	0	0	0
cov2_3_6_9	16.6279	-356.669	0.6361894	0	0	0	0.1535394
cov1_5_9	16.7229	-360.113	0.6659154	0	-0.084775757	0	0
cov5_9_10	16.7235	-360.114	0.6646909	0	0	0	0
cov3_4_10_11	16.7237	-356.716	0.6480368	0	0	0	0
cov4_5_7_10	16.7279	-356.719	0.6471064	0	0	0	0
cov3_4_5_6	16.7951	-356.752	0.639485	0	0	0	0
cov4_5_8_10	16.8175	-356.763	0.6474019	0	0	0	0
cov1_2_3_10	16.8177	-356.763	0.6366262	0	-0.092938456	0	0.17777168
cov3_4_7_10	16.8194	-356.764	0.6453096	0	0	0	0

cov2_3_9_11	16.827	-356.768	0.6409357	0	0	0	0.118155
cov3_4_8_10	16.8325	-356.771	0.6453597	0	0	0	0
cov2_3_9_10	16.8359	-356.773	0.6383193	0	0	0	0.096031353
cov2_3_4_10	16.8377	-356.773	0.6450152	0	0	0	0.0193469
cov5_6_9	16.8469	-360.175	0.6667988	0	0	0	0
cov5_10_11	16.8478	-360.176	0.6708813	0	0	0	0
cov2_3_8_9	16.9182	-356.814	0.6396364	0	0	0	0.0975839
cov1_4_7_9	16.919	-356.814	0.6464092	0	-0.16439888	0	0
cov2_3_6_10	16.9208	-356.815	0.6377382	0	0	0	0.15571751
cov2_3_7_9	16.9208	-356.815	0.6395491	0	0	0	0.097363384
cov1_9_11	16.9693	-360.237	0.6688929	0	0.082606816	0	0
cov6_9_10	16.9709	-360.237	0.6632901	0	0	0	0
cov1_9_10	16.9833	-360.244	0.6635973	0	0.036023386	0	0
cov6_9_11	16.993	-360.248	0.6677557	0	0	0	0
cov1_4_8_9	17.0212	-356.865	0.6467407	0	-0.16484957	0	0
cov1_5_10	17.0615	-360.283	0.6672011	0	-0.070396501	0	0
cov2_3_10_11	17.101	-356.905	0.6421341	0	0	0	0.12199069
cov2_5_11	17.1238	-360.314	0.6629355	0	0	0	0.19045403
cov1_2_11	17.1329	-360.318	0.6629955	0	-0.020775663	0	0.19288884
cov2_6_11	17.1446	-360.324	0.6645419	0	0	0	0.17555802
cov9_10_11	17.1536	-360.329	0.6614113	0	0	0	0
cov5_6_10	17.1539	-360.329	0.6678242	0	0	0	0
cov2_3_4_5	17.1608	-356.935	0.6351586	0	0	0	0.16580706
cov1_6_9	17.1795	-360.342	0.665885	0	0.015127275	0	0
cov2_3_8_10	17.1835	-356.946	0.6409187	0	0	0	0.10240417
cov2_3_7_10	17.185	-356.947	0.6408337	0	0	0	0.10217122
cov4_6_7_9	17.2421	-356.976	0.6490324	0	0	0	0
cov1_10_11	17.2468	-360.375	0.6698507	0	0.08841336	0	0
cov1_4_7_10	17.2526	-356.981	0.6479994	0	-0.15635136	0	0
cov6_10_11	17.2756	-360.39	0.6686524	0	0	0	0
cov4_6_8_9	17.3299	-357.02	0.6492965	0	0	0	0
cov1_4_8_10	17.355	-357.032	0.6483293	0	-0.15679685	0	0
cov1_2_6	17.4404	-360.472	0.6590195	0	-0.093345738	0	0.18660172
cov1_2_5	17.4449	-360.474	0.6588188	0	-0.055671676	0	0.18929867
cov1_6_10	17.4527	-360.478	0.6668548	0	0.019120451	0	0
cov2_5_6	17.5151	-360.509	0.6598017	0	0	0	0.16950438
cov4_6_7_10	17.5489	-357.129	0.6503551	0	0	0	0
cov4_6_8_10	17.6376	-357.173	0.6506274	0	0	0	0
cov1_3_5_9	17.7653	-357.237	0.6374451	0	0.11296235	0	0
cov1_3_9_10	17.7717	-357.24	0.6378739	0	0.046827216	0	0
cov3_6_9_10	17.8119	-357.261	0.6375177	0	0	0	0
cov3_4_5_11	17.8479	-357.279	0.6360347	0	0	0	0
cov1_3_9_11	17.8673	-357.288	0.6385851	0	0.042148696	0	0
cov1_3_7_9	17.8711	-357.29	0.63914	0	0.048304468	0	0
cov1_3_6_9	17.8712	-357.29	0.63925	0	0.0445903	0	0
cov1_3_8_9	17.8714	-357.29	0.6392219	0	0.048543785	0	0
cov3_9_10_11	17.8727	-357.291	0.6336377	0	0	0	0

cov4_7_9_11	17.8925	-357.301	0.6563118	0	0	0	0
cov3_6_9_11	17.8995	-357.304	0.6377772	0	0	0	0
cov3_5_6_9	17.9042	-357.307	0.6383197	0	0	0	0
cov3_6_7_9	17.9157	-357.312	0.6387905	0	0	0	0
cov3_6_8_9	17.9163	-357.313	0.6388713	0	0	0	0
cov3_5_9_10	17.9357	-357.322	0.636986	0	0	0	0
cov3_7_9_11	17.9652	-357.337	0.6346814	0	0	0	0
cov3_5_9_11	17.9671	-357.338	0.635819	0	0	0	0
cov3_8_9_11	17.9709	-357.34	0.6347462	0	0	0	0
cov4_8_9_11	17.9862	-357.348	0.6567046	0	0	0	0
cov3_7_8_9	18.01	-357.36	0.6350418	0	0	0	0
cov3_4_5_7	18.0196	-357.364	0.6426186	0	0	0	0
cov3_5_7_9	18.0234	-357.366	0.6383863	0	0	0	0
cov3_5_8_9	18.0318	-357.37	0.6383782	0	0	0	0
cov2_4_5_9	18.0442	-357.377	0.658675	0	0	0	-0.075434382
cov3_7_9_10	18.049	-357.379	0.6336344	0	0	0	0
cov1_4_5_7	18.0503	-357.38	0.6457318	0	0.10130254	0	0
cov3_8_9_10	18.0542	-357.382	0.633715	0	0	0	0
cov1_3_5_10	18.0618	-357.385	0.6387364	0	0.12657239	0	0
cov3_4_5_8	18.0648	-357.387	0.6427243	0	0	0	0
cov2_4_7_9	18.0846	-357.397	0.6538857	0	0	0	-0.084041451
cov4_5_9_10	18.1117	-357.41	0.6543772	0	0	0	0
cov4_5_9_11	18.1207	-357.415	0.6594801	0	0	0	0
cov1_2_3_5	18.1312	-357.42	0.632506	0	0.13298277	0	0.21089966
cov1_4_5_8	18.1356	-357.422	0.6459896	0	0.10162193	0	0
cov4_7_10_11	18.1416	-357.425	0.6570613	0	0	0	0
cov2_4_8_9	18.189	-357.449	0.6542355	0	0	0	-0.084841729
cov1_3_10_11	18.1903	-357.45	0.640188	0	0.047826261	0	0
cov1_3_7_10	18.1937	-357.451	0.6407292	0	0.054224004	0	0
cov4_5_6_7	18.194	-357.452	0.6453445	0	0	0	0
cov1_3_6_10	18.1943	-357.452	0.6408551	0	0.049027947	0	0
cov1_3_8_10	18.1951	-357.452	0.6408279	0	0.054475365	0	0
cov3_6_10_11	18.2296	-357.469	0.6393448	0	0	0	0
cov3_5_6_10	18.2329	-357.471	0.6398654	0	0	0	0
cov4_8_10_11	18.236	-357.473	0.6574527	0	0	0	0
cov3_6_7_10	18.2472	-357.478	0.6403945	0	0	0	0
cov4_5_6_9	18.2488	-357.479	0.6571076	0	0	0	0
cov3_6_8_10	18.2491	-357.479	0.6404921	0	0	0	0
cov1_4_5_9	18.2523	-357.481	0.6566797	0	-0.038295198	0	0
cov4_7_9_10	18.2536	-357.481	0.6507318	0	0	0	0
cov4_7_8_9	18.2675	-357.488	0.6528259	0	0	0	0
cov2_3_5_6	18.2741	-357.492	0.6335438	0	0	0	0.23137207
cov4_5_6_8	18.2881	-357.499	0.6456211	0	0	0	0
cov2_4_5_7	18.3148	-357.512	0.6438085	0	0	0	0.051402571
cov3_7_10_11	18.3151	-357.512	0.6358129	0	0	0	0
cov3_5_10_11	18.3187	-357.514	0.6371849	0	0	0	0
cov3_8_10_11	18.3226	-357.516	0.6358829	0	0	0	0



cov2_4_7_10	18.3359	-357.523	0.6547803	0	0	0	-0.077041073
cov2_4_5_10	18.347	-357.528	0.6596538	0	0	0	-0.06792108
cov4_5_7_8	18.347	-357.528	0.6455119	0	0	0	0
cov4_5_7_11	18.3617	-357.535	0.6428935	0	0	0	0
cov4_8_9_10	18.3639	-357.537	0.6510667	0	0	0	0
cov3_5_7_10	18.3842	-357.547	0.6400056	0	0	0	0
cov3_5_8_10	18.3948	-357.552	0.6400198	0	0	0	0
cov4_5_10_11	18.4025	-357.556	0.6602617	0	0	0	0
cov2_4_5_8	18.4055	-357.557	0.6440813	0	0	0	0.050910843
cov3_7_8_10	18.4174	-357.563	0.6362434	0	0	0	0
cov2_4_8_10	18.4406	-357.575	0.6551277	0	0	0	-0.077838854
cov4_5_8_11	18.4549	-357.582	0.6432174	0	0	0	0
cov2_3_5_11	18.4609	-357.585	0.6310698	0	0	0	0.25719495
cov4_7_8_10	18.4711	-357.59	0.6536455	0	0	0	0
cov2_3_5_7	18.5088	-357.609	0.6333766	0	0	0	0.26007187
cov2_3_5_8	18.5129	-357.611	0.6333687	0	0	0	0.26232631
cov4_5_6_10	18.5249	-357.617	0.6580773	0	0	0	0
cov1_4_5_10	18.531	-357.62	0.6578084	0	-0.023903594	0	0
cov1_6_11	18.6741	-361.089	0.6698006	0	0.079161466	0	0
cov1_5_11	18.7725	-361.138	0.6695167	0	0.14548078	0	0
cov5_6_11	18.7896	-361.147	0.6688023	0	0	0	0
cov1_5_6	18.9576	-361.231	0.6662076	0	0.049785277	0	0
cov1_4_9_11	19.0655	-357.887	0.66253	0	-0.14530577	0	0
cov1_4_9_10	19.1102	-357.91	0.6576325	0	-0.18423374	0	0
cov1_4_6_9	19.2119	-357.961	0.6597018	0	-0.16062604	0	0
cov1_2_4_9	19.2276	-357.968	0.6596457	0	-0.18094206	0	-0.007303271
cov4_6_9_11	19.3594	-358.034	0.6665063	0	0	0	0
cov1_2_3_7	19.3782	-358.044	0.6408237	0	-0.057423327	0	0.19704132
cov2_3_7_8	19.3844	-358.047	0.6434712	0	0	0	0.14893057
cov1_2_3_8	19.4166	-358.063	0.6410005	0	-0.056933287	0	0.19728999
cov2_3_4_7	19.4208	-358.065	0.6456797	0	0	0	0.1048485
cov1_4_10_11	19.4284	-358.069	0.6641373	0	-0.13736673	0	0
cov1_2_7_9	19.4415	-358.075	0.6428857	0	-0.10431676	0	0.17070083
cov2_3_6_7	19.4634	-358.086	0.6419614	0	0	0	0.17459848
cov2_3_4_8	19.4651	-358.087	0.6457192	0	0	0	0.10736995
cov2_3_7_11	19.4722	-358.091	0.6445125	0	0	0	0.16439756
cov2_3_6_8	19.4994	-358.104	0.642103	0	0	0	0.17522268
cov2_3_8_11	19.5059	-358.108	0.6446864	0	0	0	0.16540589
cov1_2_8_9	19.5685	-358.139	0.6432696	0	-0.10411234	0	0.1706753
cov1_4_6_10	19.5749	-358.142	0.6613521	0	-0.15441533	0	0
cov1_2_3_4	19.5814	-358.145	0.6445574	0	-0.060573118	0	0.17698157
cov1_2_4_10	19.5891	-358.149	0.6612072	0	-0.17449851	0	-0.0036174
cov2_6_7_9	19.5978	-358.153	0.6449634	0	0	0	0.1439215
cov4_6_9_10	19.605	-358.157	0.66151	0	0	0	0
cov1_2_3_11	19.6218	-358.165	0.6441296	0	-0.041294061	0	0.20092962
cov1_2_3_6	19.6273	-358.168	0.6431276	0	-0.069247116	0	0.19879412
cov2_3_4_11	19.6387	-358.174	0.6482324	0	0	0	0.15228534

cov2_4_6_9	19.6512	-358.18	0.6640296	0	0	0	-0.04369494
cov2_3_6_11	19.6698	-358.189	0.6457463	0	0	0	0.18281682
cov1_2_7_10	19.6733	-358.191	0.643847	0	-0.099958075	0	0.17218592
cov2_3_4_6	19.6769	-358.193	0.6453868	0	0	0	0.15756198
cov4_6_10_11	19.6972	-358.203	0.6677915	0	0	0	0
cov4_9_10_11	19.6993	-358.204	0.6685365	0	0	0	0
cov2_4_9_11	19.7003	-358.205	0.6704445	0	0	0	-0.059877409
cov2_7_9_10	19.7094	-358.209	0.6460899	0	0	0	0.084454323
cov2_6_8_9	19.7131	-358.211	0.6452479	0	0	0	0.14494621
cov1_4_5_11	19.7221	-358.216	0.6582248	0	0.15220973	0	0
cov1_2_4_5	19.7251	-358.217	0.6577763	0	0.17981816	0	-0.071386715
cov3_4_7_8	19.7297	-358.219	0.6493871	0	0	0	0
cov1_2_4_7	19.7315	-358.22	0.6466758	0	-0.10262882	0	0.10003775
cov2_7_9_11	19.7517	-358.23	0.6498563	0	0	0	0.11353334
cov2_7_8_9	19.7853	-358.247	0.6484873	0	0	0	0.086496122
cov1_2_8_10	19.8001	-358.255	0.6442226	0	-0.099750175	0	0.17216327
cov2_6_7_10	19.8215	-358.265	0.6458098	0	0	0	0.14603026
cov2_8_9_10	19.8341	-358.272	0.6464445	0	0	0	0.084589373
cov1_2_4_8	19.8401	-358.275	0.6469877	0	-0.10265904	0	0.099412106
cov1_3_4_7	19.8446	-358.277	0.6491938	0	-0.011946897	0	0
cov3_4_7_11	19.8501	-358.28	0.6496755	0	0	0	0
cov3_4_6_7	19.8523	-358.281	0.6493125	0	0	0	0
cov1_4_5_6	19.8581	-358.284	0.6554711	0	0.1050896	0	0
cov2_8_9_11	19.8685	-358.289	0.6502532	0	0	0	0.11438499
cov2_5_7_9	19.9025	-358.306	0.6479731	0	0	0	0.092241022
cov1_3_4_8	19.9129	-358.311	0.6493502	0	-0.00986364	0	0
cov3_4_8_11	19.916	-358.313	0.6497967	0	0	0	0
cov3_4_6_8	19.9181	-358.314	0.6494504	0	0	0	0
cov2_4_6_7	19.9344	-358.322	0.6486872	0	0	0	0.072195559
cov2_6_8_10	19.9372	-358.323	0.6460917	0	0	0	0.14706058
cov2_7_10_11	19.9588	-358.334	0.650432	0	0	0	0.11727961
cov1_4_7_8	19.9605	-358.335	0.6505693	0	-0.044792272	0	0
cov4_5_6_11	19.9753	-358.342	0.6566743	0	0	0	0
cov2_7_8_10	19.9815	-358.345	0.649108	0	0	0	0.091175611
cov2_4_6_10	19.9905	-358.35	0.6653401	0	0	0	-0.039174623
cov1_3_5_6	20.0014	-358.355	0.6399869	0	0.24951508	0	0
cov2_4_10_11	20.0106	-358.36	0.6714253	0	0	0	-0.05371427
cov2_5_8_9	20.0276	-358.368	0.6483328	0	0	0	0.092376764
cov4_6_7_8	20.0303	-358.37	0.6511358	0	0	0	0
cov2_4_5_6	20.0304	-358.37	0.6554061	0	0	0	-0.016088046
cov2_4_7_11	20.0307	-358.37	0.6531528	0	0	0	0.050908162
cov1_3_5_8	20.0336	-358.371	0.6391851	0	0.32579051	0	0
cov2_4_6_8	20.0342	-358.372	0.6489273	0	0	0	0.072410703
cov4_7_8_11	20.0403	-358.375	0.6533144	0	0	0	0
cov1_3_5_7	20.0487	-358.379	0.6392494	0	0.32002076	0	0
cov1_3_5_11	20.0655	-358.387	0.6387863	0	0.29391154	0	0
cov1_4_6_7	20.0661	-358.388	0.6504274	0	-0.058497546	0	0

cov2_4_7_8	20.0678	-358.388	0.6514731	0	0	0	0.026418896
cov1_4_7_11	20.071	-358.39	0.6506233	0	-0.043238782	0	0
cov2_8_10_11	20.0758	-358.393	0.6508225	0	0	0	0.11813491
cov2_5_7_10	20.0962	-358.403	0.6484853	0	0	0	0.098251086
cov1_5_7_9	20.121	-358.415	0.6487311	0	-0.10229977	0	0
cov4_6_7_11	20.1238	-358.416	0.6519366	0	0	0	0
cov2_4_8_11	20.1318	-358.42	0.6535046	0	0	0	0.050912767
cov1_4_6_8	20.1722	-358.441	0.6507152	0	-0.05625425	0	0
cov1_4_8_11	20.1747	-358.442	0.6510174	0	-0.04249447	0	0
cov5_7_9_10	20.1977	-358.453	0.6480633	0	0	0	0
cov2_5_8_10	20.2213	-358.465	0.6488401	0	0	0	0.098391142
cov4_6_8_11	20.2234	-358.466	0.652243	0	0	0	0
cov1_5_8_9	20.25	-358.48	0.6491157	0	-0.10179969	0	0
cov5_6_7_9	20.2559	-358.483	0.6496881	0	0	0	0
cov5_7_8_9	20.262	-358.486	0.6504679	0	0	0	0
cov5_8_9_10	20.3239	-358.517	0.6484147	0	0	0	0
cov5_7_9_11	20.3346	-358.522	0.6518862	0	0	0	0
cov2_4_5_11	20.3399	-358.525	0.6548847	0	0	0	0.044513253
cov5_6_8_9	20.3752	-358.542	0.6500166	0	0	0	0
cov2_4_9_10	20.4298	-358.569	0.6664375	0	0	0	-0.11255691
cov1_5_7_10	20.446	-358.578	0.6500971	0	-0.0882734	0	0
cov5_8_9_11	20.4564	-358.583	0.6523165	0	0	0	0
cov3_4_6_11	20.4977	-358.603	0.6535648	0	0	0	0
cov1_7_9_10	20.502	-358.606	0.646382	0	0.034936733	0	0
cov6_7_9_10	20.5113	-358.61	0.6460654	0	0	0	0
cov1_3_4_6	20.5207	-358.615	0.6521746	0	-0.004381822	0	0
cov5_7_8_10	20.5213	-358.615	0.651363	0	0	0	0
cov1_3_4_11	20.5283	-358.619	0.6534183	0	0.03709382	0	0
cov7_8_9_10	20.5396	-358.624	0.6437211	0	0	0	0
cov5_6_7_10	20.5512	-358.63	0.6507969	0	0	0	0
cov1_5_8_10	20.5747	-358.642	0.6504743	0	-0.087767945	0	0
cov7_9_10_11	20.5758	-358.643	0.6434271	0	0	0	0
cov1_7_8_9	20.5977	-358.653	0.6489564	0	0.037379508	0	0
cov6_7_8_9	20.6039	-358.657	0.6486846	0	0	0	0
cov5_7_10_11	20.6067	-358.658	0.6525739	0	0	0	0
cov1_8_9_10	20.628	-358.669	0.6467651	0	0.035119333	0	0
cov6_8_9_10	20.6426	-358.676	0.6464215	0	0	0	0
cov5_6_8_10	20.6717	-358.69	0.6511286	0	0	0	0
cov7_8_9_11	20.6766	-358.693	0.6458646	0	0	0	0
cov1_2_7_8	20.6923	-358.701	0.6437599	0	-0.072987289	0	0.18764433
cov8_9_10_11	20.7078	-358.708	0.6438128	0	0	0	0
cov1_6_7_9	20.7163	-358.713	0.6488486	0	0.026731484	0	0
cov1_7_9_11	20.7192	-358.714	0.6487982	0	0.036694891	0	0
cov5_8_10_11	20.7293	-358.719	0.6530115	0	0	0	0
cov6_7_9_11	20.7308	-358.72	0.6482068	0	0	0	0
cov1_2_7_11	20.8001	-358.755	0.6443038	0	-0.066608266	0	0.18788322
cov1_2_6_7	20.802	-358.756	0.6436716	0	-0.083123801	0	0.18653111

cov1_2_5_7	20.8051	-358.757	0.643638	0	-0.072970527	0	0.18742316
cov2_6_7_8	20.8208	-358.765	0.6454627	0	0	0	0.16088285
cov2_5_7_8	20.8232	-358.766	0.6452911	0	0	0	0.15399965
cov1_3_4_5_9	20.8264	-355.37	0.6349733	0	0.12787477	0	0
cov2_7_8_11	20.8286	-358.769	0.6487978	0	0	0	0.14794712
cov1_6_8_9	20.8441	-358.777	0.6492337	0	0.029895753	0	0
cov1_8_9_11	20.8456	-358.777	0.6493021	0	0.038161807	0	0
cov1_7_8_10	20.8539	-358.782	0.6499658	0	0.043117957	0	0
cov6_7_8_10	20.863	-358.786	0.6496494	0	0	0	0
cov6_8_9_11	20.8633	-358.786	0.6486138	0	0	0	0
cov3_5_6_7	20.8678	-358.788	0.6441571	0	0	0	0
cov3_5_6_11	20.8818	-358.795	0.6421859	0	0	0	0
cov2_5_7_11	20.8911	-358.8	0.6466094	0	0	0	0.16314954
cov3_5_6_8	20.8941	-358.802	0.6442522	0	0	0	0
cov2_6_7_11	20.8953	-358.802	0.6466495	0	0	0	0.16615716
cov2_5_6_7	20.8975	-358.803	0.6445355	0	0	0	0.16820816
cov1_2_8_11	20.9217	-358.815	0.6447503	0	-0.065281738	0	0.18792126
cov1_2_6_8	20.927	-358.818	0.643994	0	-0.080108909	0	0.18673351
cov1_2_5_8	20.9286	-358.819	0.6439652	0	-0.072730962	0	0.18737777
cov1_3_7_8	20.9475	-358.828	0.646754	0	0.10940445	0	0
cov7_8_10_11	20.9585	-358.834	0.6464731	0	0	0	0
cov1_6_7_10	20.9705	-358.84	0.6498597	0	0.030605918	0	0
cov1_7_10_11	20.9746	-358.842	0.6497808	0	0.042146646	0	0
cov3_6_7_8	20.9877	-358.848	0.6468797	0	0	0	0
cov6_7_10_11	20.9895	-358.849	0.6491335	0	0	0	0
cov2_5_8_11	21.0089	-358.859	0.6470029	0	0	0	0.16370123
cov2_6_8_11	21.0093	-358.859	0.6469484	0	0	0	0.16734176
cov2_5_6_8	21.0158	-358.862	0.6448135	0	0	0	0.16904606
cov1_3_6_7	21.037	-358.873	0.6469591	0	0.068779281	0	0
cov3_4_5_9_10	21.0661	-355.49	0.6347972	0	0	0	0
cov3_4_5_9_11	21.072	-355.493	0.6331808	0	0	0	0
cov3_4_5_6_9	21.0738	-355.494	0.6358628	0	0	0	0
cov1_3_4_5_10	21.0799	-355.497	0.6361936	0	0.14136039	0	0
cov1_3_7_11	21.0802	-358.895	0.646438	0	0.10680396	0	0
cov1_3_6_8	21.0811	-358.895	0.647123	0	0.070350536	0	0
cov2_3_4_5_9	21.0974	-355.506	0.6347055	0	0	0	0.045798003
cov1_6_8_10	21.0985	-358.904	0.6502382	0	0.03377689	0	0
cov1_8_10_11	21.1008	-358.905	0.650277	0	0.043610692	0	0
cov6_8_10_11	21.1227	-358.916	0.6495386	0	0	0	0
cov1_3_8_11	21.1229	-358.916	0.6466677	0	0.10827305	0	0
cov3_6_7_11	21.1338	-358.921	0.6457689	0	0	0	0
cov3_4_5_8_9	21.1501	-355.532	0.636526	0	0	0	0
cov3_4_5_7_9	21.1608	-355.538	0.6365075	0	0	0	0
cov3_6_8_11	21.1843	-358.947	0.6459912	0	0	0	0
cov1_3_6_11	21.3325	-359.021	0.6500957	0	0.080595936	0	0
cov3_4_5_6_10	21.3726	-355.644	0.6373663	0	0	0	0
cov3_4_5_10_11	21.3862	-355.65	0.63458	0	0	0	0

cov2_3_4_5_10	21.4048	-355.66	0.6360674	0	0	0	0.052804972
cov3_4_5_8_10	21.49	-355.702	0.638248	0	0	0	0
cov3_4_5_7_10	21.4986	-355.707	0.6382154	0	0	0	0
cov3_7_8_11	21.6653	-359.187	0.6377434	0	0	0	0
cov3_5_7_11	21.7635	-359.236	0.6398479	0	0	0	0
cov3_5_8_11	21.8293	-359.269	0.6398812	0	0	0	0
cov3_5_7_8	21.9971	-359.353	0.6460981	0	0	0	0
cov1_6_7_8	22.2047	-359.457	0.6506053	0	0.047323794	0	0
cov1_3_4_5_8	22.2295	-356.072	0.6346523	0	0.36308191	0	0
cov5_6_7_8	22.2331	-359.471	0.6505934	0	0	0	0
cov1_5_7_8	22.2447	-359.477	0.6505555	0	0.0809217	0	0
cov1_7_8_11	22.2463	-359.478	0.6506249	0	0.08852691	0	0
cov6_7_8_11	22.2541	-359.482	0.6499698	0	0	0	0
cov1_3_4_5_7	22.2722	-356.093	0.6347101	0	0.35798725	0	0
cov2_9_10_11	22.3043	-359.507	0.6637162	0	0	0	0.14102988
cov1_5_6_7	22.3217	-359.515	0.6505381	0	0.045639056	0	0
cov1_6_7_11	22.3218	-359.515	0.6508052	0	0.053545539	0	0
cov1_5_7_11	22.3553	-359.532	0.6505524	0	0.081799419	0	0
cov5_6_7_11	22.356	-359.533	0.6502875	0	0	0	0
cov1_2_5_9	22.3621	-359.536	0.6600849	0	-0.20215148	0	0.16288494
cov1_2_4_11	22.3754	-359.542	0.6642655	0	-0.062123053	0	0.088734592
cov1_2_9_11	22.419	-359.564	0.6629095	0	-0.056797337	0	0.17523538
cov5_7_8_11	22.4447	-359.577	0.6480664	0	0	0	0
cov1_6_8_11	22.4489	-359.579	0.6512355	0	0.057528943	0	0
cov1_5_6_8	22.4497	-359.579	0.6508654	0	0.04884654	0	0
cov1_5_8_11	22.4773	-359.593	0.6509848	0	0.083202693	0	0
cov2_4_6_11	22.4787	-359.594	0.6666721	0	0	0	0.067302175
cov2_5_9_11	22.4829	-359.596	0.6676978	0	0	0	0.12512103
cov5_6_8_11	22.4893	-359.599	0.6507059	0	0	0	0
cov2_6_9_11	22.4918	-359.601	0.6648936	0	0	0	0.15622588
cov1_2_9_10	22.4933	-359.601	0.6568922	0	-0.1058536	0	0.17125801
cov1_3_4_5_11	22.5104	-356.212	0.6344396	0	0.27977137	0	0
cov1_3_4_5_6	22.5135	-356.214	0.6356094	0	0.26847932	0	0
cov1_2_3_4_5	22.5221	-356.218	0.6352506	0	0.28090845	0	0.009643579
cov1_4_6_11	22.6116	-359.66	0.6669844	0	-0.045805974	0	0
cov1_2_4_6	22.6142	-359.662	0.6605028	0	-0.12165167	0	0.081229936
cov1_2_3_4_9	22.6231	-356.269	0.6390828	0	-0.13742025	0	0.08599352
cov1_2_5_10	22.6699	-359.69	0.6612383	0	-0.18919608	0	0.16495372
cov1_2_10_11	22.6721	-359.691	0.6638012	0	-0.05226501	0	0.17672612
cov1_2_6_9	22.7044	-359.707	0.6594191	0	-0.10523289	0	0.17091043
cov2_6_9_10	22.7046	-359.707	0.6595742	0	0	0	0.13917331
cov2_5_10_11	22.7278	-359.718	0.6681843	0	0	0	0.13076476
cov1_3_4_7_9	22.7364	-356.325	0.6414145	0	-0.11253884	0	0
cov2_6_10_11	22.7373	-359.723	0.6656646	0	0	0	0.15832751
cov1_3_4_8_9	22.7621	-356.338	0.6414993	0	-0.11114842	0	0
cov1_3_4_9_10	22.7637	-356.339	0.6407884	0	-0.10334692	0	0
cov2_3_4_6_9	22.8197	-356.367	0.6407239	0	0	0	0.062632158

cov1_3_4_6_9	22.8214	-356.368	0.6420348	0	-0.080333675	0	0
cov1_3_4_9_11	22.8371	-356.376	0.6420674	0	-0.10241663	0	0
cov2_5_6_9	22.8425	-359.776	0.6630044	0	0	0	0.12799704
cov3_4_6_7_9	22.8632	-356.389	0.6422842	0	0	0	0
cov3_4_6_9_10	22.8738	-356.394	0.6415088	0	0	0	0
cov3_4_6_8_9	22.8832	-356.399	0.6423332	0	0	0	0
cov3_4_6_9_11	22.9349	-356.425	0.6435019	0	0	0	0
cov2_5_9_10	22.951	-359.83	0.6612742	0	0	0	0.10008743
cov1_2_6_10	22.9565	-359.833	0.6603303	0	-0.10232298	0	0.17223864
cov1_2_3_4_10	22.9626	-356.439	0.6406732	0	-0.13123506	0	0.089700273
cov2_3_5_9_10	22.9911	-356.453	0.6304837	0	0	0	0.18121591
cov2_3_5_8_9	23.0034	-356.459	0.6319637	0	0	0	0.19416596
cov2_3_5_7_9	23.0285	-356.472	0.6319875	0	0	0	0.19247676
cov1_3_4_7_10	23.0888	-356.502	0.643236	0	-0.10511184	0	0
cov2_5_6_10	23.1005	-359.905	0.6637236	0	0	0	0.13179685
cov2_3_5_6_9	23.1029	-356.509	0.6321443	0	0	0	0.18375387
cov4_5_7_9_10	23.1043	-356.509	0.643658	0	0	0	0
cov1_2_3_5_9	23.1049	-356.51	0.6322013	0	-0.013425304	0	0.18402288
cov2_3_5_9_11	23.1054	-356.51	0.6317005	0	0	0	0.17915751
cov1_3_4_8_10	23.1153	-356.515	0.643325	0	-0.10371486	0	0
cov3_4_9_10_11	23.132	-356.523	0.6455717	0	0	0	0
cov5_9_10_11	23.1385	-359.924	0.6678444	0	0	0	0
cov2_3_4_6_10	23.1444	-356.529	0.6422857	0	0	0	0.067167
cov2_4_5_7_9	23.1503	-356.532	0.64761	0	0	0	-0.055856265
cov4_5_7_8_9	23.1527	-356.534	0.6462634	0	0	0	0
cov2_3_4_9_11	23.1759	-356.545	0.6462718	0	0	0	0.031153291
cov3_4_7_8_9	23.1799	-356.547	0.6438882	0	0	0	0
cov1_3_4_6_10	23.182	-356.548	0.6439026	0	-0.074248987	0	0
cov3_4_7_9_11	23.1862	-356.55	0.6465244	0	0	0	0
cov4_5_8_9_10	23.1935	-356.554	0.643954	0	0	0	0
cov1_3_4_10_11	23.1956	-356.555	0.6438866	0	-0.095144052	0	0
cov3_4_8_9_11	23.197	-356.556	0.6465748	0	0	0	0
cov4_5_6_7_9	23.1982	-356.556	0.6461295	0	0	0	0
cov1_4_5_7_9	23.2	-356.557	0.6455897	0	-0.057860346	0	0
cov3_4_6_7_10	23.2	-356.557	0.643977	0	0	0	0
cov1_2_3_9_10	23.2139	-356.564	0.6335847	0	-0.099267654	0	0.17640037
cov3_4_6_8_10	23.221	-356.568	0.6440317	0	0	0	0
cov2_4_5_8_9	23.2368	-356.576	0.647925	0	0	0	-0.056480288
cov3_4_7_9_10	23.2593	-356.587	0.642634	0	0	0	0
cov4_5_7_9_11	23.2653	-356.59	0.6471665	0	0	0	0
cov3_4_8_9_10	23.2721	-356.593	0.6426929	0	0	0	0
cov2_3_5_8_10	23.2725	-356.594	0.6332411	0	0	0	0.19887877
cov3_4_6_10_11	23.2801	-356.597	0.6451349	0	0	0	0
cov2_3_4_9_10	23.2838	-356.599	0.6425347	0	0	0	0.013362967
cov4_5_6_8_9	23.2838	-356.599	0.6464164	0	0	0	0
cov1_5_9_11	23.2857	-359.997	0.6691359	0	-0.040693165	0	0
cov1_4_5_8_9	23.2913	-356.603	0.6459009	0	-0.057212129	0	0

cov2_3_5_7_10	23.2964	-356.605	0.6332555	0	0	0	0.19718575
cov1_2_3_6_9	23.3034	-356.609	0.6348852	0	-0.081860871	0	0.17771682
cov2_3_4_5_6	23.3082	-356.611	0.6355561	0	0	0	0.092854469
cov1_2_3_8_9	23.3097	-356.612	0.6350796	0	-0.097584586	0	0.17656826
cov1_2_3_9_11	23.3108	-356.613	0.6348115	0	-0.099343669	0	0.17634847
cov1_2_3_7_9	23.3111	-356.613	0.6349745	0	-0.097724063	0	0.17644836
cov5_6_9_11	23.3195	-360.014	0.6699762	0	0	0	0
cov2_3_6_9_10	23.3319	-356.623	0.6348874	0	0	0	0.15281553
cov2_3_4_7_9	23.3327	-356.624	0.6437081	0	0	0	0.00668204
cov2_3_4_8_9	23.3433	-356.629	0.6437095	0	0	0	0.008497065
cov4_5_8_9_11	23.3523	-356.633	0.6475362	0	0	0	0
cov1_5_9_10	23.3537	-360.031	0.6638478	0	-0.080791064	0	0
cov2_3_5_10_11	23.3628	-356.639	0.6327152	0	0	0	0.18406939
cov2_3_5_6_10	23.3665	-356.641	0.6333803	0	0	0	0.18730561
cov1_2_3_5_10	23.3676	-356.641	0.6333948	0	-0.001315273	0	0.18603896
cov4_5_7_8_10	23.3938	-356.654	0.647226	0	0	0	0
cov2_3_6_9_11	23.4178	-356.666	0.636764	0	0	0	0.15517285
cov2_3_6_8_9	23.4211	-356.668	0.6362772	0	0	0	0.15364403
cov2_3_6_7_9	23.4225	-356.669	0.6361905	0	0	0	0.15354132
cov2_4_5_7_10	23.4239	-356.669	0.6484916	0	0	0	-0.048309048
cov3_4_7_8_10	23.4607	-356.688	0.645335	0	0	0	0
cov4_5_6_7_10	23.4677	-356.691	0.6471941	0	0	0	0
cov5_6_9_10	23.4694	-360.089	0.6646242	0	0	0	0
cov2_3_4_10_11	23.471	-356.693	0.6474594	0	0	0	0.036993302
cov1_4_5_7_10	23.4754	-356.695	0.6468325	0	-0.043751046	0	0
cov3_4_7_10_11	23.4883	-356.701	0.6477841	0	0	0	0
cov3_4_5_6_11	23.4927	-356.704	0.6363028	0	0	0	0
cov3_4_8_10_11	23.5008	-356.708	0.6478452	0	0	0	0
cov2_4_5_8_10	23.5109	-356.713	0.648806	0	0	0	-0.04892684
cov4_5_7_10_11	23.5131	-356.714	0.6478849	0	0	0	0
cov1_5_6_9	23.5147	-360.112	0.665862	0	-0.093817356	0	0
cov2_3_9_10_11	23.5271	-356.721	0.6397265	0	0	0	0.11788331
cov1_9_10_11	23.5414	-360.125	0.6665491	0	0.081526805	0	0
cov4_5_6_8_10	23.5542	-356.734	0.6474811	0	0	0	0
cov2_3_7_8_9	23.5547	-356.735	0.6395673	0	0	0	0.097107014
cov6_9_10_11	23.5586	-360.134	0.6653984	0	0	0	0
cov1_4_5_8_10	23.5664	-356.74	0.6471269	0	-0.043106551	0	0
cov1_4_7_9_10	23.5832	-356.749	0.6444627	0	-0.1641419	0	0
cov3_4_5_6_8	23.5874	-356.751	0.6395395	0	0	0	0
cov1_4_7_8_9	23.5877	-356.751	0.6465307	0	-0.16450622	0	0
cov3_4_5_6_7	23.5897	-356.752	0.6394783	0	0	0	0
cov4_5_8_10_11	23.6008	-356.758	0.6482506	0	0	0	0
cov1_2_3_6_10	23.6058	-356.76	0.6365024	0	-0.078453298	0	0.1789276
cov2_3_4_7_10	23.6083	-356.761	0.6449838	0	0	0	0.012803242
cov1_2_3_8_10	23.6117	-356.763	0.6366921	0	-0.092849685	0	0.17784085
cov1_2_3_10_11	23.6119	-356.763	0.6364414	0	-0.094788743	0	0.17764335
cov1_2_3_7_10	23.612	-356.763	0.6365799	0	-0.093002967	0	0.17772357

cov2_3_8_9_11	23.6131	-356.764	0.6411965	0	0	0	0.1195033
cov2_3_7_9_11	23.6189	-356.767	0.6410824	0	0	0	0.11892394
cov2_3_4_8_10	23.6197	-356.767	0.6449916	0	0	0	0.01462279
cov1_5_10_11	23.6279	-360.169	0.6703561	0	-0.026425589	0	0
cov2_3_8_9_10	23.6295	-356.772	0.6384034	0	0	0	0.0962163
cov2_3_7_9_10	23.6304	-356.772	0.6382975	0	0	0	0.095978345
cov5_6_10_11	23.6419	-360.176	0.6709346	0	0	0	0
cov1_4_8_9_10	23.6854	-356.8	0.6447948	0	-0.16459219	0	0
cov1_4_6_7_9	23.6866	-356.801	0.6466123	0	-0.13459639	0	0
cov1_2_4_7_9	23.7056	-356.81	0.6459101	0	-0.17182573	0	0.015995678
cov2_3_6_10_11	23.7113	-356.813	0.6382662	0	0	0	0.15723215
cov1_4_7_9_11	23.7136	-356.814	0.6464052	0	-0.16439579	0	0
cov2_3_6_8_10	23.7147	-356.815	0.6378006	0	0	0	0.15578845
cov2_3_6_7_10	23.7152	-356.815	0.6377073	0	0	0	0.15567144
cov1_6_9_11	23.7336	-360.221	0.6688805	0	0.05120408	0	0
cov1_6_9_10	23.762	-360.236	0.6634684	0	0.012152713	0	0
cov2_3_4_5_11	23.7715	-356.843	0.6310271	0	0	0	0.14641532
cov1_4_6_8_9	23.7843	-356.849	0.6469482	0	-0.13266591	0	0
cov1_2_4_8_9	23.8084	-356.862	0.6462664	0	-0.1719447	0	0.015273996
cov1_4_8_9_11	23.8156	-356.865	0.6468662	0	-0.16366646	0	0
cov2_3_7_8_10	23.8194	-356.867	0.6408443	0	0	0	0.1018851
cov1_5_6_10	23.8516	-360.28	0.6671264	0	-0.081875864	0	0
cov2_3_8_10_11	23.8898	-356.902	0.6423937	0	0	0	0.12311222
cov1_2_6_11	23.8919	-360.301	0.663084	0	-0.053081109	0	0.18992662
cov2_3_7_10_11	23.8943	-356.904	0.6420236	0	0	0	0.12241857
cov2_5_6_11	23.9016	-360.305	0.6634755	0	0	0	0.1822083
cov4_6_7_9_10	23.9113	-356.913	0.6471376	0	0	0	0
cov1_2_5_11	23.9172	-360.313	0.6627149	0	-0.00762556	0	0.19339568
cov2_3_4_5_7	23.9206	-356.918	0.6352521	0	0	0	0.15384183
cov1_4_7_8_10	23.9222	-356.918	0.648126	0	-0.15645468	0	0
cov2_3_4_5_8	23.934	-356.924	0.6352289	0	0	0	0.15646461
cov4_6_7_8_9	23.9362	-356.925	0.6491757	0	0	0	0
cov4_6_8_9_10	23.9992	-356.957	0.6474024	0	0	0	0
cov1_6_10_11	24.0074	-360.358	0.6698036	0	0.055186648	0	0
cov4_6_7_9_11	24.0098	-356.962	0.6503773	0	0	0	0
cov1_4_6_7_10	24.0236	-356.969	0.6481894	0	-0.12846254	0	0
cov2_4_6_7_9	24.0281	-356.971	0.6493907	0	0	0	-0.015692212
cov1_2_4_7_10	24.0347	-356.975	0.6473622	0	-0.16562179	0	0.019977269
cov1_4_7_10_11	24.0472	-356.981	0.6479492	0	-0.15684209	0	0
cov4_6_8_9_11	24.0957	-357.005	0.6506942	0	0	0	0
cov2_4_6_8_9	24.1159	-357.015	0.649658	0	0	0	-0.015733368
cov1_4_6_8_10	24.1218	-357.018	0.6485229	0	-0.12651683	0	0
cov1_2_4_8_10	24.138	-357.026	0.647716	0	-0.16573509	0	0.019255112
cov1_4_8_10_11	24.1496	-357.032	0.6484013	0	-0.15610374	0	0
cov1_2_5_6	24.222	-360.466	0.6587831	0	-0.078920575	0	0.18713636
cov4_6_7_8_10	24.2426	-357.079	0.6505023	0	0	0	0
cov4_6_7_10_11	24.3202	-357.117	0.6516099	0	0	0	0



cov2_4_6_7_10	24.3393	-357.127	0.6506248	0	0	0	-0.010931578
cov3_4_5_7_11	24.39	-357.152	0.6355776	0	0	0	0
cov4_6_8_10_11	24.407	-357.161	0.651933	0	0	0	0
cov3_4_5_8_11	24.4277	-357.171	0.6356095	0	0	0	0
cov2_4_6_8_10	24.428	-357.171	0.6508929	0	0	0	-0.010970212
cov1_3_5_9_10	24.4466	-357.181	0.6359135	0	0.11528512	0	0
cov1_3_7_8_9	24.5042	-357.209	0.6391804	0	0.048203373	0	0
cov1_3_5_8_9	24.5085	-357.212	0.6372023	0	0.14295158	0	0
cov1_3_5_7_9	24.5275	-357.221	0.6372496	0	0.13701875	0	0
cov3_6_7_8_9	24.5367	-357.226	0.6389136	0	0	0	0
cov4_7_9_10_11	24.5433	-357.229	0.6543401	0	0	0	0
cov1_3_5_9_11	24.5492	-357.232	0.6364633	0	0.10536728	0	0
cov1_3_5_6_9	24.5572	-357.236	0.6375045	0	0.10403704	0	0
cov4_7_8_9_11	24.5617	-357.238	0.6564475	0	0	0	0
cov1_3_9_10_11	24.5634	-357.239	0.6373864	0	0.04174076	0	0
cov1_3_7_9_10	24.5642	-357.239	0.637755	0	0.046539702	0	0
cov1_3_6_9_10	24.5657	-357.24	0.6378993	0	0.042356314	0	0
cov1_3_8_9_10	24.5663	-357.24	0.6378551	0	0.046795842	0	0
cov2_4_7_9_11	24.5777	-357.246	0.6563939	0	0	0	-0.053599878
cov3_5_6_9_10	24.5886	-357.252	0.6368313	0	0	0	0
cov3_6_9_10_11	24.5934	-357.254	0.6365972	0	0	0	0
cov3_7_8_9_11	24.5976	-357.256	0.634733	0	0	0	0
cov3_6_7_9_10	24.6038	-357.259	0.6373928	0	0	0	0
cov3_6_8_9_10	24.6064	-357.26	0.6374982	0	0	0	0
cov4_8_9_10_11	24.6369	-357.276	0.6547312	0	0	0	0
cov3_7_9_10_11	24.6555	-357.285	0.6334354	0	0	0	0
cov3_5_7_8_9	24.6582	-357.286	0.6383934	0	0	0	0
cov1_3_7_9_11	24.6606	-357.288	0.63846	0	0.041380596	0	0
cov1_3_6_9_11	24.6617	-357.288	0.6386165	0	0.039948049	0	0
cov1_3_8_9_11	24.6618	-357.288	0.6386077	0	0.042284936	0	0
cov3_8_9_10_11	24.6628	-357.289	0.6335131	0	0	0	0
cov3_5_9_10_11	24.663	-357.289	0.6344863	0	0	0	0
cov1_3_6_7_9	24.6653	-357.29	0.6391684	0	0.044481581	0	0
cov1_3_6_8_9	24.6655	-357.29	0.6392526	0	0.044655966	0	0
cov3_5_6_9_11	24.6701	-357.292	0.6366318	0	0	0	0
cov2_4_8_9_11	24.6706	-357.293	0.6567852	0	0	0	-0.053792242
cov2_4_5_9_10	24.6784	-357.296	0.6563196	0	0	0	-0.072921875
cov3_7_8_9_10	24.6817	-357.298	0.6336968	0	0	0	0
cov3_4_5_7_8	24.6848	-357.3	0.6426846	0	0	0	0
cov3_6_7_9_11	24.6917	-357.303	0.6376164	0	0	0	0
cov3_6_8_9_11	24.694	-357.304	0.6377587	0	0	0	0
cov3_5_6_8_9	24.6947	-357.305	0.6383376	0	0	0	0
cov3_5_6_7_9	24.6985	-357.307	0.6383238	0	0	0	0
cov3_5_7_9_10	24.7113	-357.313	0.63692	0	0	0	0
cov3_5_8_9_10	24.7212	-357.318	0.6369396	0	0	0	0
cov1_4_5_7_8	24.7235	-357.319	0.6458419	0	0.10178468	0	0
cov4_5_9_10_11	24.7388	-357.327	0.6569893	0	0	0	0

cov3_5_7_9_11	24.7512	-357.333	0.6358721	0	0	0	0
cov2_4_7_9_10	24.7562	-357.335	0.6520096	0	0	0	-0.082370949
cov2_4_7_8_9	24.7565	-357.336	0.6540199	0	0	0	-0.084074292
cov3_5_8_9_11	24.7581	-357.336	0.6358495	0	0	0	0
cov2_4_5_9_11	24.7716	-357.343	0.6599883	0	0	0	-0.061352707
cov1_3_5_8_10	24.8013	-357.358	0.6384701	0	0.15754036	0	0
cov4_7_8_10_11	24.8116	-357.363	0.657201	0	0	0	0
cov1_2_4_5_9	24.8181	-357.366	0.6593303	0	0.036487106	0	-0.09245174
cov1_3_5_7_10	24.821	-357.368	0.6385199	0	0.15165966	0	0
cov1_2_3_5_8	24.823	-357.369	0.6320513	0	0.17295151	0	0.21541628
cov1_3_7_8_10	24.8278	-357.371	0.6407715	0	0.054171432	0	0
cov1_2_4_5_7	24.8285	-357.372	0.646615	0	0.12305728	0	-0.025017284
cov2_4_5_6_9	24.8382	-357.376	0.6587039	0	0	0	-0.077164675
cov1_4_5_6_7	24.8435	-357.379	0.6457025	0	0.094256526	0	0
cov1_3_5_10_11	24.8444	-357.379	0.6376986	0	0.11841132	0	0
cov1_4_5_7_11	24.8444	-357.379	0.6459355	0	0.10343544	0	0
cov1_2_3_5_7	24.8491	-357.382	0.6321099	0	0.16779741	0	0.21481997
cov2_4_7_10_11	24.8505	-357.383	0.6572204	0	0	0	-0.047458845
cov1_3_5_6_10	24.8523	-357.383	0.6388084	0	0.11550611	0	0
cov4_5_6_7_8	24.8543	-357.384	0.6454619	0	0	0	0
cov2_4_8_9_10	24.8608	-357.388	0.6523676	0	0	0	-0.083177508
cov3_6_7_8_10	24.8678	-357.391	0.6405207	0	0	0	0
cov4_5_6_9_10	24.8738	-357.394	0.6546661	0	0	0	0
cov1_4_5_9_10	24.8777	-357.396	0.6542942	0	-0.033995774	0	0
cov1_2_3_5_6	24.9101	-357.412	0.632725	0	0.11079029	0	0.20896125
cov4_5_6_9_11	24.9116	-357.413	0.6593609	0	0	0	0
cov1_2_4_5_8	24.9118	-357.413	0.6469252	0	0.12466388	0	-0.026493956
cov1_4_5_9_11	24.9147	-357.415	0.6593355	0	-0.005269438	0	0
cov1_2_3_5_11	24.924	-357.419	0.6320949	0	0.13006051	0	0.21075462
cov4_7_8_9_10	24.9273	-357.421	0.6508589	0	0	0	0
cov1_4_5_8_11	24.9291	-357.422	0.6462971	0	0.10483042	0	0
cov1_4_5_6_8	24.9295	-357.422	0.6459713	0	0.096761561	0	0
cov2_4_8_10_11	24.9442	-357.429	0.6576096	0	0	0	-0.047647387
cov3_7_8_10_11	24.9484	-357.432	0.6358699	0	0	0	0
cov2_4_5_6_7	24.9802	-357.447	0.6448637	0	0	0	0.01530502
cov4_5_6_7_11	24.9815	-357.448	0.6446108	0	0	0	0
cov1_3_7_10_11	24.9824	-357.449	0.6400049	0	0.046762019	0	0
cov1_3_6_10_11	24.9844	-357.45	0.6402386	0	0.044196927	0	0
cov1_3_8_10_11	24.9848	-357.45	0.6401593	0	0.047669515	0	0
cov1_3_6_7_10	24.9875	-357.451	0.6407742	0	0.048818005	0	0
cov1_3_6_8_10	24.9889	-357.452	0.6408628	0	0.049039487	0	0
cov2_4_5_7_8	24.9905	-357.453	0.6439097	0	0	0	0.051649242
cov3_5_6_10_11	24.9937	-357.454	0.6380386	0	0	0	0
cov2_4_7_8_10	25.0084	-357.462	0.654917	0	0	0	-0.077074722
cov3_6_7_10_11	25.02	-357.467	0.6391258	0	0	0	0
cov3_5_7_8_10	25.0202	-357.467	0.6400226	0	0	0	0
cov3_6_8_10_11	25.0238	-357.469	0.6392739	0	0	0	0

cov3_5_6_8_10	25.0244	-357.469	0.6398886	0	0	0	0
cov3_5_6_7_10	25.0274	-357.471	0.639868	0	0	0	0
cov1_4_5_6_9	25.0372	-357.476	0.6569142	0	-0.020990838	0	0
cov4_5_7_8_11	25.0386	-357.477	0.6430077	0	0	0	0
cov2_3_5_6_8	25.044	-357.479	0.6335575	0	0	0	0.23660328
cov2_3_5_6_7	25.0566	-357.486	0.6335478	0	0	0	0.23511604
cov2_3_5_6_11	25.0588	-357.487	0.6325277	0	0	0	0.23018461
cov2_4_5_6_8	25.0743	-357.494	0.6451429	0	0	0	0.015247094
cov4_5_6_8_11	25.0767	-357.496	0.6449531	0	0	0	0
cov2_4_5_7_11	25.0795	-357.497	0.6426297	0	0	0	0.040652963
cov2_4_5_10_11	25.0831	-357.499	0.6608967	0	0	0	-0.054717779
cov3_5_7_10_11	25.0973	-357.506	0.6372302	0	0	0	0
cov1_2_4_5_10	25.1032	-357.509	0.6604503	0	0.049660168	0	-0.09110394
cov3_5_8_10_11	25.1063	-357.51	0.6372174	0	0	0	0
cov2_4_5_6_10	25.1377	-357.526	0.659689	0	0	0	-0.072621094
cov2_3_5_7_8	25.1531	-357.534	0.633378	0	0	0	0.26094749
cov2_4_5_8_11	25.1728	-357.544	0.6429574	0	0	0	0.040633866
cov1_4_5_10_11	25.1954	-357.555	0.6604129	0	0.00901597	0	0
cov4_5_6_10_11	25.197	-357.556	0.6602733	0	0	0	0
cov2_3_5_7_11	25.2518	-357.583	0.6311155	0	0	0	0.25390661
cov2_3_5_8_11	25.2551	-357.585	0.6310849	0	0	0	0.25610622
cov1_4_5_6_10	25.3183	-357.616	0.6580143	0	-0.009001349	0	0
cov1_5_6_11	25.464	-361.087	0.6696572	0	0.087896485	0	0
cov1_4_9_10_11	25.7338	-357.824	0.6607564	0	-0.14425517	0	0
cov1_2_5_7_9	25.7902	-357.852	0.6436098	0	-0.21729871	0	0.16090659
cov1_4_6_9_11	25.8526	-357.884	0.6626294	0	-0.13055216	0	0
cov1_2_4_9_11	25.8601	-357.887	0.6625615	0	-0.14485267	0	-0.001101043
cov1_4_6_9_10	25.8886	-357.902	0.6579021	0	-0.16137167	0	0
cov1_2_4_9_10	25.9039	-357.909	0.6577852	0	-0.18180266	0	-0.005136172
cov1_2_5_8_9	25.9193	-357.917	0.6439952	0	-0.21682116	0	0.16091632
cov1_2_3_4_7	25.9816	-357.948	0.6431895	0	-0.076335445	0	0.14982399
cov1_2_4_6_9	26.0052	-357.96	0.659895	0	-0.15797219	0	-0.006244835
cov1_2_7_9_10	26.0198	-357.967	0.6402944	0	-0.10661261	0	0.17081573
cov4_6_9_10_11	26.0287	-357.972	0.6647499	0	0	0	0
cov1_2_3_4_8	26.0331	-357.974	0.6432873	0	-0.075143679	0	0.15173058
cov1_2_3_7_8	26.0362	-357.975	0.6408972	0	-0.05737109	0	0.19725973
cov2_3_4_7_8	26.0831	-357.999	0.6456986	0	0	0	0.10602033
cov1_2_5_7_10	26.0843	-357.999	0.6448491	0	-0.20474212	0	0.16301379
cov2_3_4_6_7	26.1094	-358.012	0.6442962	0	0	0	0.12982728
cov1_2_7_8_9	26.1137	-358.014	0.6429905	0	-0.10427609	0	0.17097487
cov2_3_6_7_8	26.1283	-358.021	0.6421189	0	0	0	0.17323177
cov2_4_6_9_11	26.1291	-358.022	0.6668094	0	0	0	-0.026918258
cov2_3_7_8_11	26.13	-358.022	0.6445842	0	0	0	0.16468871
cov2_3_4_7_11	26.1439	-358.029	0.6472621	0	0	0	0.118812
cov1_2_8_9_10	26.1464	-358.03	0.6406738	0	-0.10640994	0	0.17079347
cov2_3_4_6_8	26.1554	-358.035	0.6443503	0	0	0	0.13206898
cov1_2_3_6_7	26.1668	-358.041	0.6409172	0	-0.07138132	0	0.19583667

cov1_2_3_7_11	26.1719	-358.043	0.6411247	0	-0.054660416	0	0.19722798
cov2_3_4_8_11	26.1863	-358.05	0.6473765	0	0	0	0.1215343
cov2_6_7_9_10	26.1866	-358.051	0.6425316	0	0	0	0.14308157
cov1_2_3_6_8	26.2058	-358.06	0.6410926	0	-0.07018253	0	0.19615048
cov1_2_3_8_11	26.2097	-358.062	0.6413834	0	-0.053433439	0	0.19752524
cov1_2_5_8_10	26.2131	-358.064	0.6452496	0	-0.20426673	0	0.16303991
cov1_4_6_10_11	26.2172	-358.066	0.6641969	0	-0.12449632	0	0
cov1_2_4_10_11	26.2227	-358.069	0.6640727	0	-0.138492	0	0.002644213
cov1_2_6_7_9	26.2331	-358.074	0.6428867	0	-0.09458377	0	0.17149369
cov1_2_7_9_11	26.2337	-358.074	0.6433397	0	-0.099817044	0	0.1710435
cov2_3_6_7_11	26.2426	-358.079	0.6430546	0	0	0	0.17758562
cov2_5_6_7_9	26.2679	-358.091	0.6463549	0	0	0	0.1268662
cov2_3_6_8_11	26.2771	-358.096	0.6432508	0	0	0	0.17833624
cov2_6_7_8_9	26.2841	-358.099	0.6451592	0	0	0	0.14282694
cov2_6_8_9_10	26.3014	-358.108	0.6428109	0	0	0	0.14410612
cov2_7_9_10_11	26.3363	-358.125	0.6475631	0	0	0	0.11294497
cov2_4_6_9_10	26.3373	-358.126	0.6623088	0	0	0	-0.042088375
cov1_2_7_8_10	26.3464	-358.13	0.6439414	0	-0.099870902	0	0.17251563
cov1_2_3_4_11	26.3576	-358.136	0.6458698	0	-0.048943852	0	0.17688419
cov1_2_6_8_9	26.3582	-358.136	0.6432647	0	-0.091592038	0	0.17169776
cov1_2_8_9_11	26.3592	-358.137	0.6438578	0	-0.098383673	0	0.17111188
cov2_4_9_10_11	26.3676	-358.141	0.6686604	0	0	0	-0.057554747
cov1_2_3_4_6	26.3681	-358.141	0.6446287	0	-0.076575026	0	0.17581341
cov2_6_7_9_11	26.3686	-358.142	0.6461195	0	0	0	0.14770298
cov1_2_4_6_10	26.3693	-358.142	0.6614263	0	-0.15327789	0	-0.002657965
cov2_5_6_8_9	26.3786	-358.147	0.6466667	0	0	0	0.1275632
cov2_7_8_9_10	26.3839	-358.149	0.6461989	0	0	0	0.084784725
cov1_2_3_6_11	26.4044	-358.159	0.6443695	0	-0.060167053	0	0.19924229
cov1_2_4_5_11	26.407	-358.161	0.6598901	0	0.20401795	0	-0.064053167
cov1_2_4_7_8	26.4143	-358.164	0.6467901	0	-0.10260411	0	0.10025206
cov2_3_4_6_11	26.4199	-358.167	0.6473907	0	0	0	0.16056094
cov2_7_8_9_11	26.4234	-358.169	0.6500067	0	0	0	0.11376577
cov2_8_9_10_11	26.4524	-358.183	0.6479523	0	0	0	0.11379394
cov1_2_7_10_11	26.4657	-358.19	0.644275	0	-0.095643861	0	0.17252099
cov1_2_6_7_10	26.4658	-358.19	0.6438427	0	-0.091821857	0	0.17285276
cov2_4_6_10_11	26.4746	-358.195	0.6680668	0	0	0	-0.022395555
cov2_6_8_9_11	26.4818	-358.198	0.6464589	0	0	0	0.14887288
cov2_5_7_9_10	26.4951	-358.205	0.6453902	0	0	0	0.094068308
cov1_4_5_6_11	26.5041	-358.209	0.6581844	0	0.13188568	0	0
cov2_6_7_8_10	26.508	-358.211	0.6460074	0	0	0	0.14493851
cov1_2_4_5_6	26.51	-358.212	0.6576875	0	0.16224136	0	-0.072873043
cov2_5_6_7_10	26.5152	-358.215	0.6471833	0	0	0	0.13063019
cov1_3_4_7_8	26.5175	-358.216	0.6492724	0	-0.011045414	0	0
cov3_4_7_8_11	26.5222	-358.218	0.6497261	0	0	0	0
cov1_2_4_7_11	26.5238	-358.219	0.6471519	0	-0.098145308	0	0.10047529
cov3_4_6_7_8	26.5242	-358.219	0.649397	0	0	0	0
cov1_2_4_6_7	26.5255	-358.22	0.646677	0	-0.10722961	0	0.099687818

cov2_5_7_9_11	26.5371	-358.226	0.6507297	0	0	0	0.10571749
cov2_5_7_8_9	26.5762	-358.245	0.6480774	0	0	0	0.092536525
cov1_2_6_8_10	26.591	-358.253	0.6442148	0	-0.088824557	0	0.17305594
cov1_2_8_10_11	26.5911	-358.253	0.6447728	0	-0.094217405	0	0.17259312
cov2_6_7_10_11	26.5935	-358.254	0.6469342	0	0	0	0.14972666
cov2_5_8_9_10	26.6198	-358.267	0.6457456	0	0	0	0.094206696
cov2_5_6_8_10	26.6268	-358.271	0.6474785	0	0	0	0.13132682
cov1_3_4_6_7	26.6283	-358.271	0.6491913	0	-0.031151774	0	0
cov2_4_6_7_8	26.6288	-358.272	0.6488534	0	0	0	0.071334749
cov1_2_4_8_11	26.631	-358.273	0.6475764	0	-0.097104256	0	0.099960321
cov2_7_8_10_11	26.6313	-358.273	0.6505823	0	0	0	0.11751363
cov1_2_4_6_8	26.6345	-358.275	0.6469887	0	-0.10471398	0	0.099253576
cov1_3_4_7_11	26.6392	-358.277	0.6491717	0	-0.012159523	0	0
cov3_4_6_7_11	26.6443	-358.279	0.649786	0	0	0	0
cov2_5_8_9_11	26.6531	-358.284	0.6511601	0	0	0	0.10623253
cov1_3_5_7_8	26.6939	-358.304	0.6392844	0	0.31987365	0	0
cov2_4_6_7_11	26.6974	-358.306	0.6501332	0	0	0	0.0764853
cov1_3_4_6_8	26.6979	-358.306	0.6493549	0	-0.027813471	0	0
cov2_6_8_10_11	26.7072	-358.311	0.6472742	0	0	0	0.15090156
cov1_3_4_8_11	26.7074	-358.311	0.6494132	0	-0.00927003	0	0
cov3_4_6_8_11	26.7098	-358.312	0.64996	0	0	0	0
cov2_4_7_8_11	26.7123	-358.313	0.6532707	0	0	0	0.051282621
cov1_4_6_7_8	26.7468	-358.331	0.6505472	0	-0.062011142	0	0
cov2_5_7_10_11	26.7476	-358.331	0.6511391	0	0	0	0.11108746
cov1_3_5_6_8	26.7494	-358.332	0.6397393	0	0.27559042	0	0
cov1_5_7_9_10	26.7518	-358.333	0.6466514	0	-0.098324369	0	0
cov1_4_7_8_11	26.7547	-358.335	0.6507645	0	-0.042870188	0	0
cov1_3_5_6_7	26.7676	-358.341	0.6397909	0	0.27041943	0	0
cov2_4_5_6_11	26.7683	-358.341	0.6568067	0	0	0	-0.006803386
cov2_5_7_8_10	26.7706	-358.343	0.6485815	0	0	0	0.098605927
cov1_3_5_6_11	26.7936	-358.354	0.6395412	0	0.24701355	0	0
cov2_4_6_8_11	26.795	-358.355	0.6504256	0	0	0	0.076836133
cov1_5_7_8_9	26.7959	-358.355	0.6488876	0	-0.10202698	0	0
cov4_6_7_8_11	26.811	-358.363	0.6521567	0	0	0	0
cov1_3_5_8_11	26.8253	-358.37	0.6387061	0	0.32100605	0	0
cov1_3_5_7_11	26.8398	-358.377	0.6387241	0	0.31476019	0	0
cov1_4_6_7_11	26.86	-358.387	0.6506924	0	-0.056513322	0	0
cov2_5_8_10_11	26.8641	-358.389	0.6515667	0	0	0	0.11160871
cov5_7_8_9_10	26.8728	-358.394	0.648163	0	0	0	0
cov5_6_7_9_10	26.8793	-358.397	0.6475185	0	0	0	0
cov1_5_8_9_10	26.8804	-358.397	0.6470316	0	-0.097820449	0	0
cov1_5_6_7_9	26.9148	-358.415	0.6487339	0	-0.097565692	0	0
cov1_5_7_9_11	26.9155	-358.415	0.6486645	0	-0.10299284	0	0
cov5_6_7_8_9	26.9406	-358.428	0.6498501	0	0	0	0
cov5_7_9_10_11	26.9447	-358.43	0.6496005	0	0	0	0
cov1_4_6_8_11	26.9654	-358.44	0.6510796	0	-0.053543416	0	0
cov5_6_8_9_10	26.9987	-358.457	0.6478479	0	0	0	0

cov5_7_8_9_11	27.0081	-358.461	0.6520077	0	0	0	0
cov5_6_7_9_11	27.042	-358.478	0.650454	0	0	0	0
cov1_5_6_8_9	27.0427	-358.479	0.6491155	0	-0.094358668	0	0
cov1_5_8_9_11	27.0446	-358.48	0.6491718	0	-0.101215	0	0
cov5_8_9_10_11	27.0661	-358.49	0.6500352	0	0	0	0
cov1_5_7_8_10	27.1215	-358.518	0.6502065	0	-0.087973059	0	0
cov5_6_8_9_11	27.16	-358.537	0.6508429	0	0	0	0
cov1_7_8_9_10	27.1757	-358.545	0.6465012	0	0.035182617	0	0
cov6_7_8_9_10	27.1785	-358.547	0.6463067	0	0	0	0
cov5_6_7_8_10	27.2351	-358.575	0.6509577	0	0	0	0
cov1_5_6_7_10	27.2404	-358.577	0.6500905	0	-0.085907506	0	0
cov1_5_7_10_11	27.2404	-358.578	0.6499831	0	-0.089404921	0	0
cov7_8_9_10_11	27.2501	-358.582	0.6435632	0	0	0	0
cov5_7_8_10_11	27.2811	-358.598	0.6526969	0	0	0	0
cov1_3_4_6_11	27.2917	-358.603	0.6536246	0	0.005727736	0	0
cov1_6_7_9_10	27.2932	-358.604	0.6463834	0	0.023720378	0	0
cov1_7_9_10_11	27.2965	-358.606	0.6464438	0	0.035625092	0	0
cov6_7_9_10_11	27.3053	-358.61	0.6458881	0	0	0	0
cov1_3_4_5_8_9	27.3193	-355.22	0.6343252	0	0.20285009	0	0
cov5_6_7_10_11	27.3397	-358.627	0.651446	0	0	0	0
cov1_3_4_5_7_9	27.3651	-355.243	0.6343686	0	0.19759302	0	0
cov1_5_6_8_10	27.3685	-358.642	0.6504682	0	-0.082694872	0	0
cov1_5_8_10_11	27.3693	-358.642	0.650484	0	-0.087596053	0	0
cov1_6_7_8_9	27.3868	-358.651	0.648969	0	0.023045214	0	0
cov1_7_8_9_11	27.3923	-358.653	0.648938	0	0.037207334	0	0
cov6_7_8_9_11	27.3976	-358.656	0.6484661	0	0	0	0
cov1_6_8_9_10	27.4208	-358.668	0.6467701	0	0.026885605	0	0
cov1_8_9_10_11	27.4222	-358.668	0.6469418	0	0.037084054	0	0
cov6_8_9_10_11	27.4368	-358.676	0.646288	0	0	0	0
cov5_6_8_10_11	27.459	-358.687	0.6518361	0	0	0	0
cov3_5_6_7_8	27.4734	-358.694	0.6441849	0	0	0	0
cov1_2_6_7_8	27.4813	-358.698	0.6438112	0	-0.086549958	0	0.18638768
cov1_2_7_8_11	27.4815	-358.698	0.6444505	0	-0.066280068	0	0.18813584
cov1_2_5_7_8	27.4868	-358.701	0.6437683	0	-0.072513914	0	0.18766981
cov1_3_4_5_9_10	27.5001	-355.31	0.6331588	0	0.1304133	0	0
cov1_6_7_9_11	27.5109	-358.713	0.6488637	0	0.02689269	0	0
cov1_3_4_5_8_10	27.5635	-355.342	0.6355081	0	0.21720211	0	0
cov2_5_7_8_11	27.5709	-358.743	0.6467269	0	0	0	0.16362089
cov2_6_7_8_11	27.5819	-358.748	0.6469055	0	0	0	0.16529033
cov2_5_6_7_8	27.5839	-358.749	0.6446924	0	0	0	0.16743858
cov1_2_6_7_11	27.5906	-358.753	0.6444139	0	-0.077658201	0	0.18689684
cov1_2_5_7_11	27.5947	-358.755	0.6443023	0	-0.066522	0	0.18788741
cov1_2_5_6_7	27.5966	-358.756	0.6436647	0	-0.082808834	0	0.18654421
cov3_5_6_7_11	27.6003	-358.757	0.6416384	0	0	0	0
cov1_3_4_5_9_11	27.6022	-355.361	0.633619	0	0.11782356	0	0
cov1_3_4_5_7_10	27.6098	-355.365	0.6355509	0	0.21200536	0	0
cov1_3_4_5_6_9	27.6165	-355.368	0.6350049	0	0.1396272	0	0

cov1_2_3_4_5_9	27.6175	-355.369	0.6353515	0	0.13637326	0	-0.011782488
cov3_5_6_8_11	27.6271	-358.771	0.6417394	0	0	0	0
cov1_6_8_9_11	27.6385	-358.777	0.6493547	0	0.030901029	0	0
cov1_6_7_8_10	27.6415	-358.778	0.6499829	0	0.026939217	0	0
cov1_7_8_10_11	27.6485	-358.782	0.6499225	0	0.042658468	0	0
cov6_7_8_10_11	27.6562	-358.785	0.6493934	0	0	0	0
cov2_5_6_7_11	27.6685	-358.792	0.645832	0	0	0	0.17122122
cov1_3_6_7_8	27.6877	-358.801	0.6470854	0	0.064340538	0	0
cov1_2_6_8_11	27.7137	-358.814	0.6448417	0	-0.073917032	0	0.18715004
cov1_2_5_8_11	27.7163	-358.815	0.6447452	0	-0.065119412	0	0.18792612
cov1_2_5_6_8	27.7216	-358.818	0.6439875	0	-0.079789104	0	0.18674645
cov1_3_7_8_11	27.7415	-358.828	0.6465301	0	0.10710263	0	0
cov3_4_5_6_9_10	27.7538	-355.437	0.6341248	0	0	0	0
cov3_4_5_9_10_11	27.763	-355.442	0.6316153	0	0	0	0
cov1_6_7_10_11	27.7651	-358.84	0.6498595	0	0.030646161	0	0
cov3_6_7_8_11	27.7727	-358.844	0.6460355	0	0	0	0
cov2_3_4_5_9_10	27.7806	-355.45	0.632962	0	0	0	0.047006082
cov3_4_5_6_8_9	27.7823	-355.451	0.6358723	0	0	0	0
cov2_5_6_8_11	27.7844	-358.849	0.6461748	0	0	0	0.17219098
cov3_4_5_7_8_9	27.7969	-355.458	0.6365208	0	0	0	0
cov3_4_5_6_7_9	27.8074	-355.464	0.635871	0	0	0	0
cov3_4_5_6_9_11	27.8113	-355.466	0.633457	0	0	0	0
cov2_3_4_5_9_11	27.8224	-355.471	0.6322854	0	0	0	0.035804354
cov1_3_6_7_11	27.8316	-358.873	0.6469702	0	0.068850298	0	0
cov2_3_4_5_8_9	27.835	-355.477	0.6344458	0	0	0	0.057254438
cov3_4_5_8_9_11	27.8354	-355.478	0.6331414	0	0	0	0
cov2_3_4_5_6_9	27.8405	-355.48	0.6348362	0	0	0	0.030052807
cov3_4_5_8_9_10	27.8422	-355.481	0.6349214	0	0	0	0
cov3_4_5_7_9_11	27.848	-355.484	0.6331511	0	0	0	0
cov3_4_5_7_9_10	27.8516	-355.486	0.6348841	0	0	0	0
cov2_3_4_5_7_9	27.853	-355.486	0.634487	0	0	0	0.055325634
cov1_3_4_5_10_11	27.8542	-355.487	0.6348017	0	0.13081878	0	0
cov1_3_4_5_6_10	27.8714	-355.496	0.636219	0	0.15101195	0	0
cov1_2_3_4_5_10	27.8719	-355.496	0.6365194	0	0.14869905	0	-0.010175664
cov1_3_6_8_11	27.8756	-358.895	0.6472089	0	0.070999495	0	0
cov1_6_8_10_11	27.893	-358.904	0.6503454	0	0.034654213	0	0
cov3_4_5_6_8_10	28.0859	-355.603	0.6374221	0	0	0	0
cov3_4_5_6_10_11	28.1035	-355.612	0.6348338	0	0	0	0
cov3_4_5_6_7_10	28.1104	-355.615	0.6374113	0	0	0	0
cov2_3_4_5_10_11	28.1199	-355.62	0.6334731	0	0	0	0.042038587
cov2_3_4_5_6_10	28.1302	-355.625	0.6361091	0	0	0	0.034514224
cov3_4_5_7_8_10	28.1353	-355.628	0.6382411	0	0	0	0
cov2_3_4_5_8_10	28.1493	-355.635	0.635866	0	0	0	0.063548593
cov3_4_5_8_10_11	28.1574	-355.639	0.6345616	0	0	0	0
cov2_3_4_5_7_10	28.1661	-355.643	0.6359002	0	0	0	0.061612929
cov3_4_5_7_10_11	28.1682	-355.644	0.6345797	0	0	0	0
cov3_5_7_8_11	28.4299	-359.172	0.6398711	0	0	0	0

cov1_2_5_9_11	28.8674	-359.391	0.6638464	0	-0.15579254	0	0.16707047
cov1_3_4_5_7_8	28.9218	-356.021	0.6347422	0	0.35785188	0	0
cov1_2_5_9_10	28.9868	-359.451	0.6578178	0	-0.19842982	0	0.16349339
cov1_2_9_10_11	28.9898	-359.452	0.6604212	0	-0.058140888	0	0.17550664
cov1_6_7_8_11	28.9974	-359.456	0.6509822	0	0.050444658	0	0
cov1_5_6_7_8	28.9979	-359.456	0.6506605	0	0.042533406	0	0
cov1_3_4_5_6_8	29.0041	-356.062	0.6347337	0	0.33743733	0	0
cov1_3_4_5_8_11	29.0212	-356.071	0.6341478	0	0.35826395	0	0
cov1_2_3_4_5_8	29.0229	-356.071	0.6344233	0	0.35760206	0	0.006928715
cov5_6_7_8_11	29.0277	-359.471	0.6505161	0	0	0	0
cov1_5_7_8_11	29.039	-359.477	0.6507081	0	0.082571207	0	0
cov1_3_4_5_6_7	29.0493	-356.085	0.6347855	0	0.33381847	0	0
cov1_3_4_5_7_11	29.0635	-356.092	0.6341679	0	0.35279158	0	0
cov1_2_3_4_5_7	29.0656	-356.093	0.6344781	0	0.35242315	0	0.007030336
cov2_6_9_10_11	29.0672	-359.491	0.6625206	0	0	0	0.15577617
cov2_5_9_10_11	29.0706	-359.493	0.665173	0	0	0	0.12718383
cov1_5_6_7_11	29.1149	-359.515	0.6508782	0	0.04842009	0	0
cov1_2_4_6_11	29.1501	-359.532	0.6642722	0	-0.086205992	0	0.086942489
cov1_2_5_6_9	29.1547	-359.535	0.6601375	0	-0.19489189	0	0.16349768
cov2_5_6_9_11	29.1653	-359.54	0.6667754	0	0	0	0.14054683
cov1_2_5_10_11	29.1776	-359.546	0.6649372	0	-0.14281608	0	0.16916685
cov1_2_6_9_11	29.2092	-359.562	0.6628948	0	-0.068010475	0	0.17429129
cov1_5_6_8_11	29.242	-359.578	0.6513051	0	0.0524211	0	0
cov1_2_6_9_10	29.2877	-359.601	0.656878	0	-0.10830699	0	0.17104943
cov1_3_4_5_6_11	29.2965	-356.208	0.6345723	0	0.26294143	0	0
cov1_2_3_4_5_11	29.3032	-356.212	0.6341797	0	0.27349057	0	0.008363634
cov1_2_3_4_5_6	29.3064	-356.213	0.6353298	0	0.26271551	0	0.008204964
cov1_2_3_4_9_10	29.3389	-356.229	0.6377534	0	-0.13831465	0	0.087115735
cov1_2_3_4_7_9	29.3603	-356.24	0.6388325	0	-0.14157903	0	0.077953786
cov1_2_3_4_8_9	29.3794	-356.25	0.6388795	0	-0.14077259	0	0.079453479
cov1_3_4_7_8_9	29.38	-356.25	0.6414467	0	-0.11209689	0	0
cov1_2_3_4_6_9	29.397	-356.258	0.639073	0	-0.11191931	0	0.087039329
cov1_2_3_4_9_11	29.4175	-356.269	0.6392184	0	-0.13621597	0	0.086031142
cov2_5_6_10_11	29.4356	-359.675	0.6674513	0	0	0	0.14429448
cov1_3_4_7_9_10	29.4462	-356.283	0.640041	0	-0.113481	0	0
cov2_5_6_9_10	29.4545	-359.685	0.6606028	0	0	0	0.12898992
cov1_2_6_10_11	29.461	-359.688	0.6638037	0	-0.065093635	0	0.1756441
cov1_2_5_6_10	29.4635	-359.689	0.6612775	0	-0.18412145	0	0.16538226
cov1_3_4_8_9_10	29.4735	-356.297	0.6401424	0	-0.11208062	0	0
cov1_3_4_6_7_9	29.5127	-356.316	0.6414586	0	-0.088267892	0	0
cov3_4_6_7_8_9	29.5267	-356.323	0.6423418	0	0	0	0
cov1_3_4_7_9_11	29.529	-356.325	0.6409556	0	-0.11676109	0	0
cov1_3_4_6_8_9	29.5379	-356.329	0.6415392	0	-0.086550532	0	0
cov2_3_4_6_9_10	29.5422	-356.331	0.6394978	0	0	0	0.06332985
cov1_3_4_6_9_10	29.5434	-356.332	0.6408244	0	-0.08139198	0	0
cov1_3_4_8_9_11	29.5553	-356.338	0.6411171	0	-0.11464779	0	0
cov1_3_4_9_10_11	29.558	-356.339	0.6409452	0	-0.10192248	0	0



cov2_3_4_6_7_9	29.5669	-356.343	0.6406289	0	0	0	0.054792569
cov3_4_6_7_9_10	29.579	-356.349	0.6409935	0	0	0	0
cov2_3_4_6_8_9	29.5818	-356.351	0.640639	0	0	0	0.05625827
cov2_3_4_6_9_11	29.5992	-356.36	0.6418059	0	0	0	0.064595109
cov3_4_6_8_9_10	29.6002	-356.36	0.6410557	0	0	0	0
cov1_3_4_6_9_11	29.6159	-356.368	0.6419482	0	-0.08092527	0	0
cov3_4_6_7_9_11	29.6547	-356.387	0.6428022	0	0	0	0
cov3_4_6_9_10_11	29.658	-356.389	0.6424209	0	0	0	0
cov2_3_5_7_8_9	29.6608	-356.39	0.6319916	0	0	0	0.19231805
cov3_4_6_8_9_11	29.6742	-356.397	0.6428926	0	0	0	0
cov2_3_5_8_9_10	29.6923	-356.406	0.6303697	0	0	0	0.19428499
cov1_2_3_4_7_10	29.6967	-356.408	0.6405098	0	-0.13550701	0	0.081500981
cov2_3_5_7_9_10	29.7159	-356.418	0.630382	0	0	0	0.19259302
cov1_2_3_4_8_10	29.7164	-356.418	0.6405618	0	-0.13469335	0	0.082995617
cov1_3_4_7_8_10	29.7333	-356.427	0.6432743	0	-0.10466074	0	0
cov1_2_3_4_6_10	29.7389	-356.429	0.6407844	0	-0.10724585	0	0.090690875
cov1_2_3_4_10_11	29.7571	-356.439	0.6408848	0	-0.1303928	0	0.089748047
cov4_5_7_8_9_10	29.77	-356.445	0.6437778	0	0	0	0
cov2_4_5_7_9_10	29.779	-356.449	0.6451831	0	0	0	-0.053329607
cov2_3_5_6_9_10	29.7819	-356.451	0.6304576	0	0	0	0.18420682
cov1_2_3_5_9_10	29.7836	-356.452	0.6305039	0	-0.011244837	0	0.18433362
cov2_3_5_9_10_11	29.784	-356.452	0.6300849	0	0	0	0.18026346
cov1_2_3_5_8_9	29.7875	-356.454	0.6318777	0	0.027762373	0	0.18869455
cov2_3_5_8_9_11	29.7948	-356.457	0.6314131	0	0	0	0.19292265
cov2_3_5_6_8_9	29.7971	-356.459	0.6319776	0	0	0	0.19308798
cov2_4_5_7_8_9	29.8149	-356.467	0.647737	0	0	0	-0.05587194
cov1_2_3_5_7_9	29.8162	-356.468	0.6319206	0	0.022443121	0	0.18808
cov2_3_5_7_9_11	29.8199	-356.47	0.6314482	0	0	0	0.1912536
cov2_3_5_6_7_9	29.8229	-356.471	0.6319953	0	0	0	0.19197611
cov4_5_6_7_9_10	29.8257	-356.473	0.6437396	0	0	0	0
cov3_4_7_8_9_11	29.8273	-356.474	0.6465349	0	0	0	0
cov1_4_5_7_9_10	29.8285	-356.474	0.6432524	0	-0.053648757	0	0
cov3_4_6_7_8_10	29.8629	-356.491	0.6440382	0	0	0	0
cov1_4_5_7_8_9	29.8654	-356.493	0.6457133	0	-0.057693542	0	0
cov2_4_5_8_9_10	29.8654	-356.493	0.645498	0	0	0	-0.053949103
cov1_3_4_6_7_10	29.8675	-356.494	0.6432763	0	-0.082479169	0	0
cov4_5_6_7_8_9	29.8723	-356.496	0.6462481	0	0	0	0
cov1_3_4_7_10_11	29.8808	-356.5	0.6427176	0	-0.10992717	0	0
cov4_5_7_9_10_11	29.8821	-356.501	0.6446863	0	0	0	0
cov2_3_4_6_7_10	29.8887	-356.504	0.6421568	0	0	0	0.05910468
cov2_3_4_9_10_11	29.8906	-356.505	0.6450806	0	0	0	0.03227512
cov2_3_5_6_9_11	29.8925	-356.506	0.6314341	0	0	0	0.18297233
cov1_3_4_6_8_10	29.8934	-356.507	0.6433607	0	-0.080732205	0	0
cov1_2_3_5_9_11	29.8947	-356.507	0.6315151	0	-0.018277077	0	0.18374326
cov1_2_3_5_6_9	29.8971	-356.509	0.632158	0	-0.005429653	0	0.18464819
cov3_4_7_9_10_11	29.898	-356.509	0.6452975	0	0	0	0
cov3_4_7_8_9_10	29.9005	-356.51	0.6426614	0	0	0	0

cov2_3_4_6_8_10	29.9041	-356.512	0.6421723	0	0	0.060582473
cov1_5_9_10_11	29.9067	-359.911	0.6671	0	-0.035617844	0
cov1_3_4_8_10_11	29.908	-356.514	0.6428835	0	-0.10781363	0
cov3_4_8_9_10_11	29.9101	-356.515	0.6453653	0	0	0
cov4_5_6_8_9_10	29.9114	-356.516	0.6440268	0	0	0
cov1_4_5_8_9_10	29.9194	-356.52	0.6435585	0	-0.052996386	0
cov2_4_5_6_7_9	29.9249	-356.522	0.6472796	0	0	-0.044894949
cov2_3_4_6_10_11	29.9258	-356.523	0.6432833	0	0	0.069027612
cov2_3_5_7_8_10	29.9293	-356.525	0.6332622	0	0	0.1970274
cov4_5_7_8_9_11	29.93	-356.525	0.6472942	0	0	0
cov5_6_9_10_11	29.9331	-359.924	0.667831	0	0	0
cov1_2_4_5_7_9	29.9389	-356.529	0.6471484	0	-0.019912797	-0.046412879
cov1_2_3_7_8_9	29.9427	-356.531	0.6349771	0	-0.09807009	0.17639714
cov2_4_5_7_9_11	29.9446	-356.532	0.6477233	0	0	-0.05505667
cov2_3_4_7_9_11	29.9588	-356.539	0.6461888	0	0	0.026128835
cov2_3_4_8_9_11	29.9661	-356.543	0.646221	0	0	0.028099518
cov4_5_8_9_10_11	29.969	-356.544	0.6450538	0	0	0
cov2_3_4_7_8_9	29.9726	-356.546	0.6437131	0	0	0.007442389
cov1_3_4_6_10_11	29.9764	-356.548	0.6437738	0	-0.075139248	0
cov1_4_5_6_7_9	29.9765	-356.548	0.645797	0	-0.034199553	0
cov4_5_6_7_9_11	29.9922	-356.556	0.6463303	0	0	0
cov3_4_6_7_10_11	29.9926	-356.556	0.6443817	0	0	0
cov1_4_5_7_9_11	29.9945	-356.557	0.6456397	0	-0.057361109	0
cov1_2_3_6_9_10	30.0013	-356.561	0.6334872	0	-0.084001888	0.17761529
cov1_2_3_7_9_10	30.0078	-356.564	0.6334999	0	-0.099365802	0.17632858
cov1_2_3_8_9_10	30.0082	-356.564	0.6336219	0	-0.09920835	0.17644836
cov1_2_3_9_10_11	30.0084	-356.564	0.6335232	0	-0.099775476	0.17636868
cov2_4_5_6_8_9	30.01	-356.565	0.6475772	0	0	-0.045107229
cov3_4_6_8_10_11	30.0133	-356.567	0.6444757	0	0	0
cov1_2_4_5_8_9	30.0265	-356.573	0.6475098	0	-0.018025084	-0.047932562
cov2_4_5_8_9_11	30.0308	-356.575	0.648084	0	0	-0.055257881
cov1_2_3_5_8_10	30.0444	-356.582	0.633047	0	0.040780407	0.19079342
cov2_3_4_5_6_11	30.0448	-356.582	0.6332495	0	0	0.087081832
cov2_3_4_7_9_10	30.0524	-356.586	0.6424745	0	0	0.006575711
cov2_3_5_8_10_11	30.0613	-356.591	0.6324928	0	0	0.19718708
cov2_3_5_6_8_10	30.0631	-356.592	0.6332547	0	0	0.19651221
cov2_3_4_8_9_10	30.0643	-356.592	0.6424896	0	0	0.008389205
cov1_4_5_6_8_9	30.0645	-356.592	0.6461161	0	-0.031559138	0
cov1_5_6_9_11	30.0693	-359.992	0.6690965	0	-0.057794743	0
cov2_3_6_7_8_9	30.0728	-356.596	0.6362947	0	0	0.151771
cov1_2_3_5_7_10	30.0738	-356.597	0.6330931	0	0.035515929	0.19018692
cov4_5_6_8_9_11	30.0775	-356.599	0.6466658	0	0	0
cov2_3_4_5_6_8	30.0809	-356.6	0.6355195	0	0	0.097771744
cov2_3_5_7_10_11	30.0853	-356.603	0.632521	0	0	0.19551602
cov1_4_5_8_9_11	30.0856	-356.603	0.6460658	0	-0.055549974	0
cov2_3_5_6_7_10	30.0887	-356.604	0.6332676	0	0	0.19539263
cov2_4_5_7_8_10	30.0894	-356.605	0.648622	0	0	-0.048334656

cov2_3_4_5_6_7	30.0931	-356.607	0.6355265	0	0	0	0.09621966
cov1_2_3_6_8_9	30.0967	-356.608	0.6349781	0	-0.081828326	0	0.17781361
cov1_2_3_6_9_11	30.0971	-356.609	0.6346049	0	-0.083858287	0	0.1775902
cov1_2_3_6_7_9	30.098	-356.609	0.6348756	0	-0.081872242	0	0.17770501
cov1_2_3_8_9_11	30.1042	-356.612	0.6349569	0	-0.098693048	0	0.17648905
cov1_2_3_7_9_11	30.1054	-356.613	0.6347833	0	-0.09946993	0	0.17632217
cov2_3_6_9_10_11	30.1196	-356.62	0.6355775	0	0	0	0.15478175
cov2_3_6_7_9_10	30.1261	-356.623	0.634834	0	0	0	0.15273994
cov2_3_6_8_9_10	30.1262	-356.623	0.6349353	0	0	0	0.15286299
cov3_4_7_8_10_11	30.1304	-356.625	0.6478008	0	0	0	0
cov4_5_6_7_8_10	30.1408	-356.63	0.6473094	0	0	0	0
cov1_4_5_7_8_10	30.1415	-356.631	0.6469488	0	-0.043596325	0	0
cov1_5_6_9_10	30.1448	-360.03	0.6637745	0	-0.091039282	0	0
cov2_3_5_6_10_11	30.1546	-356.637	0.632566	0	0	0	0.18639039
cov1_2_3_5_10_11	30.1567	-356.638	0.6326594	0	-0.006605472	0	0.18572918
cov1_2_3_5_6_10	30.1608	-356.64	0.6333623	0	0.004786387	0	0.18651475
cov4_5_7_8_10_11	30.1787	-356.649	0.6480158	0	0	0	0
cov3_4_5_6_7_8	30.1908	-356.655	0.6394549	0	0	0	0
cov2_3_7_8_9_10	30.2038	-356.662	0.6383233	0	0	0	0.095721205
cov2_4_5_6_7_10	30.2077	-356.664	0.6482801	0	0	0	-0.040263169
cov2_3_6_8_9_11	30.2099	-356.665	0.6369496	0	0	0	0.15550269
cov2_3_6_7_9_11	30.2122	-356.666	0.6368071	0	0	0	0.15525909
cov1_2_4_5_7_10	30.2177	-356.669	0.6483419	0	-0.007049826	0	-0.044962642
cov2_4_5_7_10_11	30.2184	-356.669	0.6484691	0	0	0	-0.048480448
cov1_2_3_7_8_10	30.2444	-356.682	0.6366054	0	-0.093093696	0	0.17792416
cov2_3_4_7_8_10	30.2489	-356.684	0.6449946	0	0	0	0.013566222
cov2_3_4_7_10_11	30.251	-356.686	0.6473509	0	0	0	0.031414532
cov1_4_7_8_9_10	30.2525	-356.686	0.6445888	0	-0.16424997	0	0
cov2_3_7_8_9_11	30.2536	-356.687	0.6410881	0	0	0	0.11858799
cov1_4_5_6_7_10	30.2552	-356.688	0.6470136	0	-0.022435665	0	0
cov2_3_4_8_10_11	30.2594	-356.69	0.647389	0	0	0	0.03338886
cov4_5_6_7_10_11	30.2622	-356.691	0.6472783	0	0	0	0
cov1_4_5_7_10_11	30.27	-356.695	0.6468433	0	-0.043577094	0	0
cov3_4_5_6_8_11	30.2857	-356.703	0.6363563	0	0	0	0
cov3_4_5_6_7_11	30.2871	-356.704	0.6362881	0	0	0	0
cov2_4_5_6_8_10	30.2936	-356.707	0.6485787	0	0	0	-0.040473195
cov1_6_9_10_11	30.3037	-360.109	0.6664954	0	0.049098061	0	0
cov1_2_4_5_8_10	30.3051	-356.713	0.6486966	0	-0.005163123	0	-0.046476655
cov2_4_5_8_10_11	30.3055	-356.713	0.6488365	0	0	0	-0.048674126
cov2_3_8_9_10_11	30.3164	-356.718	0.6399576	0	0	0	0.11895443
cov2_3_7_9_10_11	30.3206	-356.72	0.63983	0	0	0	0.11836731
cov1_4_5_6_8_10	30.3433	-356.732	0.6473274	0	-0.019791949	0	0
cov4_5_6_8_10_11	30.3485	-356.734	0.6476226	0	0	0	0
cov1_4_6_7_9_10	30.3525	-356.736	0.6446747	0	-0.13527902	0	0
cov1_4_5_8_10_11	30.3608	-356.74	0.6472565	0	-0.041769249	0	0
cov1_4_6_7_8_9	30.3616	-356.741	0.6467101	0	-0.13835234	0	0
cov2_3_6_7_8_10	30.3652	-356.743	0.637827	0	0	0	0.15409255

cov1_2_4_7_9_10	30.3673	-356.744	0.6438638	0	-0.17264918	0	0.018313472
cov1_2_4_7_8_9	30.3743	-356.747	0.646033	0	-0.17191479	0	0.016086988
cov1_4_7_9_10_11	30.3777	-356.749	0.6445447	0	-0.163345	0	0
cov1_4_7_8_9_11	30.3823	-356.751	0.6465528	0	-0.16429104	0	0
cov1_2_3_6_10_11	30.3995	-356.76	0.6362423	0	-0.080544379	0	0.17878452
cov1_2_3_6_8_10	30.3998	-356.76	0.6365987	0	-0.078409701	0	0.17898252
cov1_2_3_6_7_10	30.4001	-356.76	0.6364899	0	-0.078497542	0	0.17887271
cov1_2_3_7_10_11	30.406	-356.763	0.6363431	0	-0.095182013	0	0.17756496
cov1_2_3_8_10_11	30.406	-356.763	0.6365285	0	-0.094394258	0	0.17772545
cov1_5_6_10_11	30.4083	-360.161	0.6703055	0	-0.045810103	0	0
cov1_4_6_8_9_10	30.4503	-356.785	0.6450112	0	-0.13334268	0	0
cov1_2_4_8_9_10	30.4703	-356.795	0.6442204	0	-0.17276791	0	0.01759302
cov1_2_4_6_7_9	30.4718	-356.796	0.6460818	0	-0.1418701	0	0.017326168
cov1_4_8_9_10_11	30.4795	-356.8	0.6449982	0	-0.162611	0	0
cov1_4_6_7_9_11	30.4808	-356.8	0.6464143	0	-0.13614532	0	0
cov1_2_4_7_9_11	30.5001	-356.81	0.6459576	0	-0.17133532	0	0.016053646
cov2_3_6_8_10_11	30.5047	-356.812	0.6384018	0	0	0	0.15746443
cov2_3_6_7_10_11	30.5059	-356.813	0.6382544	0	0	0	0.15720797
cov2_3_7_8_10_11	30.5294	-356.825	0.6422819	0	0	0	0.12220028
cov2_3_4_5_7_11	30.5366	-356.828	0.631213	0	0	0	0.13570179
cov2_3_4_5_8_11	30.5488	-356.834	0.6311685	0	0	0	0.13826823
cov1_2_4_6_8_9	30.5701	-356.845	0.6464364	0	-0.13968013	0	0.016739458
cov2_3_4_5_7_8	30.5719	-356.846	0.6352534	0	0	0	0.15500665
cov1_4_6_8_9_11	30.5788	-356.849	0.6468426	0	-0.13345195	0	0
cov1_2_4_8_9_11	30.6027	-356.861	0.6464446	0	-0.17033823	0	0.015456678
cov4_6_7_8_9_10	30.6059	-356.863	0.6472812	0	0	0	0
cov1_2_5_6_11	30.6752	-360.295	0.6627931	0	-0.039754999	0	0.19041327
cov4_6_7_9_10_11	30.676	-356.898	0.6485451	0	0	0	0
cov1_4_6_7_8_10	30.699	-356.909	0.6482874	0	-0.13216756	0	0
cov2_4_6_7_9_10	30.6992	-356.91	0.6474761	0	0	0	-0.013917163
cov4_6_7_8_9_11	30.7011	-356.911	0.6505886	0	0	0	0
cov1_2_4_7_8_10	30.7044	-356.912	0.647494	0	-0.16575519	0	0.020007322
cov1_4_7_8_10_11	30.7168	-356.918	0.6480978	0	-0.15673176	0	0
cov2_4_6_7_8_9	30.7212	-356.921	0.6495593	0	0	0	-0.016562068
cov4_6_8_9_10_11	30.7617	-356.941	0.6488621	0	0	0	0
cov2_4_6_8_9_10	30.787	-356.953	0.6477426	0	0	0	-0.013955323
cov2_4_6_7_9_11	30.7996	-356.96	0.6505627	0	0	0	-0.011908814
cov1_2_4_6_7_10	30.8041	-356.962	0.6475234	0	-0.1373774	0	0.021207994
cov1_4_6_7_10_11	30.8176	-356.969	0.6479474	0	-0.13030238	0	0
cov1_2_4_7_10_11	30.8293	-356.975	0.6473788	0	-0.16546004	0	0.019992678
cov2_4_6_8_9_11	30.8855	-357.003	0.6508793	0	0	0	-0.01180984
cov1_2_4_6_8_10	30.9031	-357.012	0.647877	0	-0.13516518	0	0.020617954
cov1_4_6_8_10_11	30.9161	-357.018	0.6483809	0	-0.12758931	0	0
cov1_2_4_8_10_11	30.9324	-357.026	0.6478485	0	-0.16446242	0	0.019404872
cov4_6_7_8_10_11	31.0112	-357.066	0.6518249	0	0	0	0
cov2_4_6_7_8_10	31.0323	-357.076	0.6507951	0	0	0	-0.01180427
cov3_4_5_7_8_11	31.0499	-357.085	0.6355997	0	0	0	0

cov2_4_6_7_10_11	31.113	-357.116	0.6517345	0	0	0	-0.007284774
cov1_3_5_7_8_9	31.1609	-357.14	0.6372765	0	0.13653103	0	0
cov1_3_5_8_9_10	31.1965	-357.158	0.6357435	0	0.14316916	0	0
cov1_3_7_8_9_10	31.1984	-357.159	0.6378061	0	0.04646123	0	0
cov2_4_6_8_10_11	31.1998	-357.16	0.652052	0	0	0	-0.007181398
cov4_7_8_9_10_11	31.2131	-357.167	0.6544787	0	0	0	0
cov1_3_5_7_9_10	31.214	-357.167	0.6357786	0	0.13724116	0	0
cov3_6_7_8_9_10	31.2266	-357.173	0.6375275	0	0	0	0
cov1_3_5_9_10_11	31.2328	-357.176	0.6350515	0	0.10849894	0	0
cov1_3_5_6_9_10	31.2379	-357.179	0.6359734	0	0.10541212	0	0
cov2_4_7_9_10_11	31.2381	-357.179	0.6545014	0	0	0	-0.051257776
cov2_4_7_8_9_11	31.2468	-357.183	0.6565319	0	0	0	-0.053490657
cov3_7_8_9_10_11	31.2891	-357.205	0.6334949	0	0	0	0
cov1_3_7_8_9_11	31.2937	-357.207	0.6384987	0	0.041263039	0	0
cov1_3_6_7_8_9	31.2966	-357.208	0.6392478	0	0.039224118	0	0
cov1_3_5_8_9_11	31.2973	-357.209	0.6364856	0	0.13607225	0	0
cov1_3_5_6_8_9	31.2983	-357.209	0.6372908	0	0.13163409	0	0
cov3_5_6_7_8_9	31.314	-357.217	0.6383442	0	0	0	0
cov1_3_5_7_9_11	31.3154	-357.218	0.636483	0	0.12961471	0	0
cov3_6_7_8_9_11	31.3158	-357.218	0.6378455	0	0	0	0
cov1_3_5_6_7_9	31.318	-357.219	0.6373278	0	0.12659738	0	0
cov2_4_8_9_10_11	31.3309	-357.225	0.654892	0	0	0	-0.051447227
cov1_3_5_6_9_11	31.3422	-357.231	0.6365543	0	0.098678804	0	0
cov3_5_7_8_9_10	31.3471	-357.234	0.6369477	0	0	0	0
cov1_3_7_9_10_11	31.3549	-357.237	0.637171	0	0.040526965	0	0
cov1_3_6_9_10_11	31.3577	-357.239	0.6374284	0	0.038666563	0	0
cov1_3_8_9_10_11	31.3578	-357.239	0.6373333	0	0.041444823	0	0
cov3_5_6_9_10_11	31.358	-357.239	0.6352656	0	0	0	0
cov1_3_6_7_9_10	31.3582	-357.239	0.6377886	0	0.042093485	0	0
cov1_3_6_8_9_10	31.3603	-357.24	0.6378877	0	0.042341176	0	0
cov3_5_6_8_9_10	31.3808	-357.25	0.6368579	0	0	0	0
cov3_5_6_7_9_10	31.3832	-357.252	0.6368314	0	0	0	0
cov3_6_7_9_10_11	31.3833	-357.252	0.6363502	0	0	0	0
cov3_5_7_8_9_11	31.3845	-357.252	0.6358607	0	0	0	0
cov3_6_8_9_10_11	31.3874	-357.254	0.6365063	0	0	0	0
cov2_4_5_9_10_11	31.4031	-357.262	0.6576555	0	0	0	-0.058530596
cov2_4_7_8_9_10	31.4287	-357.274	0.6521569	0	0	0	-0.082418548
cov3_5_7_9_10_11	31.4432	-357.282	0.6345107	0	0	0	0
cov1_2_4_5_9_10	31.4483	-357.284	0.6569975	0	0.039915934	0	-0.091507378
cov3_5_8_9_10_11	31.4516	-357.286	0.6345018	0	0	0	0
cov1_3_5_7_8_10	31.4551	-357.288	0.6385468	0	0.15110334	0	0
cov1_3_6_7_9_11	31.4551	-357.288	0.6384899	0	0.039336027	0	0
cov1_3_6_8_9_11	31.4562	-357.288	0.6386411	0	0.040050145	0	0
cov3_5_6_8_9_11	31.4614	-357.291	0.6366704	0	0	0	0
cov3_5_6_7_9_11	31.4646	-357.292	0.6366373	0	0	0	0
cov2_4_5_6_9_10	31.4717	-357.296	0.6563449	0	0	0	-0.075598367
cov1_2_3_5_7_8	31.4921	-357.306	0.6321199	0	0.16764049	0	0.21485075

cov1_2_4_5_7_8	31.5015	-357.311	0.6467326	0	0.12366492	0	-0.025124161
cov1_4_5_6_7_8	31.5147	-357.317	0.6457971	0	0.090774228	0	0
cov1_2_4_5_9_11	31.5159	-357.318	0.6613286	0	0.059301155	0	-0.085500947
cov1_4_5_7_8_11	31.5175	-357.319	0.6460613	0	0.10414452	0	0
cov2_4_7_8_10_11	31.5204	-357.32	0.6573655	0	0	0	-0.047380531
cov4_5_6_9_10_11	31.5318	-357.326	0.6569605	0	0	0	0
cov1_4_5_9_10_11	31.5334	-357.327	0.6569884	0	-3.98E-05	0	0
cov2_4_5_6_9_11	31.5588	-357.339	0.6601623	0	0	0	-0.066933834
cov1_3_5_6_8_10	31.5892	-357.355	0.6385756	0	0.14411064	0	0
cov1_3_5_8_10_11	31.5892	-357.355	0.6377062	0	0.1500755	0	0
cov1_2_3_5_6_8	31.5958	-357.358	0.6323371	0	0.14795598	0	0.21326258
cov1_3_5_7_10_11	31.6079	-357.364	0.637705	0	0.14367732	0	0
cov1_2_4_5_6_9	31.6083	-357.364	0.6594612	0	0.047472959	0	-0.091578985
cov1_3_5_6_7_10	31.6098	-357.365	0.6386148	0	0.1391211	0	0
cov1_3_7_8_10_11	31.6165	-357.368	0.6400487	0	0.046705682	0	0
cov1_2_3_5_8_11	31.6176	-357.369	0.6320307	0	0.17276826	0	0.2154049
cov1_3_6_7_8_10	31.6194	-357.37	0.6408602	0	0.043591036	0	0
cov1_2_4_5_6_7	31.6209	-357.37	0.6466021	0	0.11463699	0	-0.025773959
cov1_2_4_5_7_11	31.6229	-357.371	0.6467391	0	0.12428094	0	-0.024845805
cov1_2_3_5_6_7	31.6238	-357.372	0.6323786	0	0.14375339	0	0.21274244
cov1_3_5_6_10_11	31.6362	-357.378	0.6378161	0	0.10979874	0	0
cov1_4_5_6_7_11	31.6374	-357.379	0.6459715	0	0.096250351	0	0
cov3_5_6_7_8_10	31.6414	-357.381	0.6398822	0	0	0	0
cov2_4_5_6_7_8	31.6423	-357.381	0.6450347	0	0	0	0.013655413
cov4_5_6_7_8_11	31.6432	-357.382	0.6448061	0	0	0	0
cov1_2_3_5_7_11	31.6436	-357.382	0.6320423	0	0.16719119	0	0.21478236
cov3_6_7_8_10_11	31.644	-357.382	0.6393584	0	0	0	0
cov1_4_5_6_9_10	31.6639	-357.392	0.6545248	0	-0.017910119	0	0
cov2_3_5_6_7_8	31.6767	-357.398	0.6335674	0	0	0	0.23395013
cov1_2_3_5_6_11	31.7039	-357.412	0.6324385	0	0.10934254	0	0.20891024
cov1_2_4_5_6_8	31.705	-357.413	0.6469198	0	0.11813583	0	-0.027095063
cov1_2_4_5_8_11	31.7058	-357.413	0.6471411	0	0.12679526	0	-0.02619042
cov1_4_5_6_9_11	31.7059	-357.413	0.6594242	0	0.004374324	0	0
cov1_4_5_6_8_11	31.7227	-357.421	0.64631	0	0.09945089	0	0
cov3_5_7_8_10_11	31.7317	-357.426	0.6372254	0	0	0	0
cov2_4_5_7_8_11	31.7554	-357.438	0.6427398	0	0	0	0.040960113
cov2_4_5_6_7_11	31.7702	-357.445	0.644334	0	0	0	0.013049828
cov1_3_6_7_10_11	31.7767	-357.448	0.6400669	0	0.043346562	0	0
cov1_3_6_8_10_11	31.779	-357.449	0.6402132	0	0.044094304	0	0
cov3_5_6_8_10_11	31.7859	-357.453	0.6380761	0	0	0	0
cov3_5_6_7_10_11	31.7882	-357.454	0.638038	0	0	0	0
cov1_2_4_5_10_11	31.8025	-357.461	0.6624047	0	0.072434313	0	-0.084189623
cov2_3_5_6_8_11	31.8303	-357.475	0.6326206	0	0	0	0.23534344
cov2_3_5_6_7_11	31.8424	-357.481	0.632588	0	0	0	0.23382164
cov2_4_5_6_10_11	31.8625	-357.491	0.6611118	0	0	0	-0.062645504
cov2_4_5_6_8_11	31.8652	-357.493	0.6446658	0	0	0	0.013232868
cov2_3_5_7_8_11	31.8949	-357.507	0.6310904	0	0	0	0.25471128

cov1_2_4_5_6_10	31.895	-357.507	0.6605558	0	0.05849377	0	-0.090407952
cov1_4_5_6_10_11	31.9881	-357.554	0.6605168	0	0.016393737	0	0
cov1_2_5_7_9_10	32.4157	-357.768	0.6413362	0	-0.2135534	0	0.16144827
cov1_2_5_7_8_9	32.464	-357.792	0.6437056	0	-0.2171301	0	0.16113088
cov1_4_6_9_10_11	32.522	-357.821	0.660855	0	-0.13057274	0	0
cov1_2_4_9_10_11	32.5284	-357.824	0.6607242	0	-0.14479844	0	0.001275279
cov1_2_5_8_9_10	32.5443	-357.832	0.6417105	0	-0.21307375	0	0.16145755
cov1_2_5_6_7_9	32.5707	-357.845	0.6436497	0	-0.19775232	0	0.16247656
cov1_2_5_7_9_11	32.5828	-357.851	0.6440425	0	-0.2131761	0	0.16122656
cov1_2_3_4_7_8	32.6459	-357.883	0.6432229	0	-0.075909085	0	0.15088155
cov1_2_4_6_9_11	32.6472	-357.884	0.66264	0	-0.13033548	0	-0.000550581
cov1_2_4_6_9_10	32.6827	-357.901	0.6580209	0	-0.15960518	0	-0.00412856
cov1_2_7_8_9_10	32.6928	-357.906	0.6404014	0	-0.10654827	0	0.17111321
cov1_2_5_6_8_9	32.6958	-357.908	0.6440225	0	-0.19473335	0	0.16268945
cov1_2_5_8_9_11	32.7105	-357.915	0.6445498	0	-0.21146863	0	0.16133357
cov1_2_5_7_8_10	32.7588	-357.939	0.6449467	0	-0.20457912	0	0.16323281
cov1_2_3_4_6_7	32.773	-357.946	0.6432208	0	-0.086562402	0	0.14921095
cov1_2_3_4_7_11	32.7754	-357.948	0.6434855	0	-0.073647937	0	0.15002241
cov2_3_4_6_7_8	32.7821	-357.951	0.6443865	0	0	0	0.12972491
cov2_4_6_9_10_11	32.8022	-357.961	0.6650649	0	0	0	-0.024858709
cov2_3_4_7_8_11	32.8063	-357.963	0.6473244	0	0	0	0.12003202
cov1_2_7_9_10_11	32.8108	-357.965	0.6408506	0	-0.10107609	0	0.17123548
cov1_2_6_7_9_10	32.8119	-357.966	0.6402986	0	-0.097629823	0	0.17154814
cov1_2_3_6_7_8	32.8206	-357.97	0.6410227	0	-0.075662371	0	0.19568204
cov1_2_3_4_6_8	32.8249	-357.972	0.6433188	0	-0.084481638	0	0.15119638
cov1_2_3_4_8_11	32.8262	-357.973	0.6436692	0	-0.071682157	0	0.15198145
cov1_2_3_7_8_11	32.8298	-357.975	0.6412066	0	-0.054537047	0	0.19745079
cov1_2_5_6_7_10	32.8676	-357.994	0.6448897	0	-0.18731865	0	0.16441315
cov2_6_7_8_9_10	32.8738	-357.997	0.6427331	0	0	0	0.14200105
cov1_2_5_7_10_11	32.8772	-357.999	0.6452477	0	-0.20089274	0	0.16331582
cov2_5_6_7_9_10	32.8817	-358.001	0.6439629	0	0	0	0.12778956
cov2_3_4_6_7_11	32.8853	-358.003	0.645522	0	0	0	0.13261
cov2_3_6_7_8_11	32.9054	-358.013	0.6432869	0	0	0	0.17639961
cov1_2_7_8_9_11	32.9057	-358.013	0.64347	0	-0.099526528	0	0.17133128
cov1_2_6_7_8_9	32.9071	-358.014	0.6429874	0	-0.098093633	0	0.17143605
cov2_3_4_6_8_11	32.9299	-358.025	0.6456254	0	0	0	0.13495431
cov1_2_8_9_10_11	32.9356	-358.028	0.641351	0	-0.099654146	0	0.17130849
cov1_2_6_8_9_10	32.9367	-358.028	0.6406736	0	-0.094642061	0	0.17175296
cov2_6_7_9_10_11	32.9527	-358.036	0.6437833	0	0	0	0.14720956
cov1_2_3_6_7_11	32.9598	-358.04	0.6413229	0	-0.068582006	0	0.19600851
cov2_5_6_7_8_9	32.9612	-358.041	0.6465074	0	0	0	0.12624152
cov2_5_6_8_9_10	32.9924	-358.056	0.6442565	0	0	0	0.12848258
cov1_2_5_6_8_10	32.9929	-358.056	0.6452556	0	-0.18428196	0	0.16462201
cov1_2_3_6_8_11	32.9981	-358.059	0.6415801	0	-0.066851276	0	0.19635641
cov1_2_5_8_10_11	33.0048	-358.062	0.6457478	0	-0.19915909	0	0.16342148
cov2_7_8_9_10_11	33.0086	-358.064	0.6477138	0	0	0	0.11317369
cov1_2_4_6_10_11	33.0115	-358.066	0.6641489	0	-0.12567183	0	0.003119379

cov2_5_6_7_9_11	33.0208	-358.07	0.6480904	0	0	0	0.13052321
cov1_2_6_7_9_11	33.0259	-358.073	0.6432856	0	-0.091570761	0	0.17171794
cov2_6_7_8_9_11	33.0522	-358.086	0.6463829	0	0	0	0.14679538
cov2_6_8_9_10_11	33.0652	-358.093	0.6441186	0	0	0	0.14837202
cov2_5_7_9_10_11	33.1268	-358.123	0.6481817	0	0	0	0.10768775
cov2_5_6_8_9_11	33.1285	-358.124	0.6484124	0	0	0	0.1313404
cov1_2_7_8_10_11	33.1385	-358.129	0.6444071	0	-0.095351943	0	0.17280647
cov1_2_6_7_8_10	33.1403	-358.13	0.6439682	0	-0.095335606	0	0.17276276
cov1_2_3_4_6_11	33.1413	-358.131	0.6460595	0	-0.066838444	0	0.17550695
cov1_2_6_8_9_11	33.1499	-358.135	0.6437723	0	-0.087809002	0	0.17198188
cov2_5_7_8_9_10	33.1693	-358.145	0.6454976	0	0	0	0.094376643
cov1_2_4_5_6_11	33.1836	-358.152	0.6599106	0	0.18098581	0	-0.065762012
cov1_2_4_7_8_11	33.2062	-358.163	0.6472884	0	-0.097903446	0	0.10071168
cov1_2_4_6_7_8	33.2069	-358.163	0.6467939	0	-0.11065836	0	0.099629256
cov2_5_6_7_8_10	33.208	-358.164	0.6473342	0	0	0	0.13000216
cov2_5_7_8_9_11	33.2089	-358.164	0.6508742	0	0	0	0.10601277
cov2_5_8_9_10_11	33.2423	-358.181	0.6486078	0	0	0	0.10820495
cov1_2_6_7_10_11	33.2587	-358.189	0.6442298	0	-0.088875331	0	0.1730736
cov2_5_6_7_10_11	33.2719	-358.196	0.6488045	0	0	0	0.13415918
cov2_6_7_8_10_11	33.2773	-358.199	0.6471974	0	0	0	0.14882108
cov1_3_4_6_7_8	33.2961	-358.208	0.649272	0	-0.034344773	0	0
cov1_3_4_7_8_11	33.3121	-358.216	0.6492721	0	-0.011144253	0	0
cov3_4_6_7_8_11	33.3153	-358.218	0.6499488	0	0	0	0
cov1_2_4_6_7_11	33.3173	-358.219	0.6471904	0	-0.10354341	0	0.10007178
cov2_5_6_8_10_11	33.3806	-358.25	0.649163	0	0	0	0.13497149
cov1_2_6_8_10_11	33.3828	-358.251	0.6447067	0	-0.085107462	0	0.17333667
cov2_4_6_7_8_11	33.3889	-358.254	0.6503653	0	0	0	0.075801723
cov1_3_5_6_7_8	33.3976	-358.259	0.6398752	0	0.26540897	0	0
cov2_5_7_8_10_11	33.4203	-358.27	0.6512822	0	0	0	0.11136819
cov1_3_4_6_7_11	33.4228	-358.271	0.6492972	0	-0.030390206	0	0
cov1_2_4_6_8_11	33.4252	-358.273	0.6476014	0	-0.10034707	0	0.099715471
cov1_5_7_8_9_10	33.4272	-358.274	0.6467687	0	-0.0980255	0	0
cov1_3_5_7_8_11	33.4848	-358.302	0.6387406	0	0.31445595	0	0
cov1_3_4_6_8_11	33.4921	-358.306	0.649542	0	-0.02647771	0	0
cov1_4_6_7_8_11	33.5404	-358.33	0.650855	0	-0.059647802	0	0
cov1_3_5_6_8_11	33.5435	-358.332	0.6395549	0	0.27422227	0	0
cov1_5_6_7_9_10	33.546	-358.333	0.6466563	0	-0.094817202	0	0
cov1_5_7_9_10_11	33.5464	-358.333	0.6466766	0	-0.098031943	0	0
cov1_3_5_6_7_11	33.5615	-358.341	0.6395447	0	0.26863688	0	0
cov5_6_7_8_9_10	33.5641	-358.342	0.6476791	0	0	0	0
cov1_5_6_7_8_9	33.5904	-358.355	0.6488359	0	-0.10068546	0	0
cov1_5_7_8_9_11	33.5904	-358.355	0.6488057	0	-0.1024254	0	0
cov5_7_8_9_10_11	33.6189	-358.369	0.6497561	0	0	0	0
cov5_6_7_9_10_11	33.664	-358.392	0.6483471	0	0	0	0
cov1_5_6_8_9_10	33.6737	-358.397	0.6470385	0	-0.091613046	0	0
cov1_5_8_9_10_11	33.6747	-358.397	0.6471828	0	-0.096232102	0	0
cov1_5_6_7_9_11	33.7093	-358.415	0.6486329	0	-0.098379414	0	0



cov5_6_7_8_9_11	33.7252	-358.423	0.6506816	0	0	0
cov5_6_8_9_10_11	33.7819	-358.451	0.6487358	0	0	0
cov1_5_6_8_9_11	33.8373	-358.479	0.6491224	0	-0.094310761	0
cov1_5_7_8_10_11	33.916	-358.518	0.6501258	0	-0.088840367	0
cov1_5_6_7_8_10	33.9161	-358.518	0.6502054	0	-0.089036529	0
cov1_6_7_8_9_10	33.9642	-358.542	0.6465129	0	0.020068027	0
cov1_7_8_9_10_11	33.9702	-358.545	0.6465846	0	0.036147289	0
cov6_7_8_9_10_11	33.9729	-358.546	0.6461501	0	0	0
cov1_3_4_5_7_8_9	34.0043	-355.165	0.634393	0	0.19698415	0
cov1_3_4_5_8_9_10	34.0091	-355.167	0.632674	0	0.20309434	0
cov5_6_7_8_10_11	34.0223	-358.571	0.6516733	0	0	0
cov1_5_6_7_10_11	34.0348	-358.577	0.6499665	0	-0.086934647	0
cov1_3_4_5_7_9_10	34.0536	-355.189	0.6327053	0	0.19783839	0
cov1_6_7_9_10_11	34.0875	-358.604	0.6465173	0	0.024808333	0
cov1_2_3_4_5_8_9	34.1085	-355.217	0.6347757	0	0.21367406	-0.014606555
cov1_3_4_5_8_9_11	34.1089	-355.217	0.6336366	0	0.19643166	0
cov1_3_4_5_6_8_9	34.113	-355.219	0.6343296	0	0.20780288	0
cov1_3_4_5_7_9_11	34.154	-355.24	0.6336374	0	0.19075707	0
cov1_2_3_4_5_7_9	34.1544	-355.24	0.6348158	0	0.20833023	-0.014477278
cov1_3_4_5_6_7_9	34.1581	-355.242	0.6343744	0	0.20413887	0
cov1_5_6_8_10_11	34.163	-358.642	0.6504488	0	-0.082852921	0
cov1_6_7_8_9_11	34.1815	-358.651	0.6490872	0	0.023405	0
cov3_5_6_7_8_11	34.2088	-358.664	0.6417259	0	0	0
cov1_6_8_9_10_11	34.2147	-358.667	0.6469991	0	0.028790422	0
cov1_3_4_5_7_8_10	34.2498	-355.288	0.6355809	0	0.21140248	0
cov1_2_6_7_8_11	34.269	-358.695	0.6446017	0	-0.080747868	0.18677739
cov1_2_5_6_7_8	34.2758	-358.698	0.6437964	0	-0.085801335	0.1864067
cov1_2_5_7_8_11	34.2761	-358.698	0.6444452	0	-0.065888085	0.18807892
cov1_3_4_5_9_10_11	34.2788	-355.302	0.631934	0	0.12112855	0
cov1_3_4_5_6_9_10	34.2908	-355.308	0.6331929	0	0.14116679	0
cov1_2_3_4_5_9_10	34.2913	-355.308	0.6335473	0	0.13869483	-0.011518722
cov1_3_4_5_8_10_11	34.3524	-355.339	0.6347779	0	0.2103056	0
cov2_5_6_7_8_11	34.3525	-358.736	0.6460507	0	0	0.17058229
cov1_2_3_4_5_8_10	34.3538	-355.34	0.6359133	0	0.22688641	-0.013068206
cov1_3_4_5_6_8_10	34.3578	-355.342	0.6355109	0	0.22013139	0
cov1_2_5_6_7_11	34.3851	-358.753	0.6444067	0	-0.077309891	0.1869113
cov1_3_4_5_6_9_11	34.3898	-355.358	0.6335667	0	0.13178092	0
cov1_2_3_4_5_9_11	34.3923	-355.359	0.634019	0	0.12720681	-0.013408079
cov1_3_4_5_7_10_11	34.398	-355.362	0.6347816	0	0.2046902	0
cov1_2_3_4_5_7_10	34.4002	-355.363	0.6359531	0	0.22160016	-0.012939263
cov1_3_4_5_6_7_10	34.4037	-355.365	0.635556	0	0.21651738	0
cov1_2_3_4_5_6_9	34.408	-355.367	0.6353544	0	0.14697939	-0.011005737
cov3_4_5_6_7_8_9	34.4262	-355.376	0.635853	0	0	0
cov1_6_7_8_10_11	34.4361	-358.778	0.6500335	0	0.027404909	0
cov3_4_5_6_8_9_10	34.4707	-355.398	0.6342137	0	0	0
cov1_3_6_7_8_11	34.4823	-358.801	0.6471411	0	0.064653992	0
cov3_4_5_7_8_9_11	34.4831	-355.404	0.6331546	0	0	0

cov3_4_5_7_8_9_10	34.4882	-355.407	0.6349061	0	0	0	0
cov2_3_4_5_7_8_9	34.4889	-355.407	0.6344991	0	0	0	0.055324561
cov3_4_5_6_7_9_10	34.4944	-355.41	0.6341992	0	0	0	0
cov3_4_5_6_9_10_11	34.496	-355.411	0.6318464	0	0	0	0
cov1_2_5_6_8_11	34.5083	-358.814	0.64484	0	-0.073557848	0	0.18716569
cov2_3_4_5_9_10_11	34.5098	-355.418	0.6306407	0	0	0	0.037284262
cov2_3_4_5_6_9_10	34.5194	-355.422	0.6330565	0	0	0	0.030633664
cov3_4_5_6_8_9_11	34.5249	-355.425	0.633565	0	0	0	0
cov2_3_4_5_8_9_10	34.5256	-355.426	0.6327913	0	0	0	0.057631228
cov2_3_4_5_6_8_9	34.5308	-355.428	0.6345501	0	0	0	0.039105155
cov3_4_5_8_9_10_11	34.5323	-355.429	0.6316387	0	0	0	0
cov2_3_4_5_7_9_10	34.5423	-355.434	0.6328192	0	0	0	0.055706476
cov3_4_5_7_9_10_11	34.5435	-355.434	0.6316388	0	0	0	0
cov3_4_5_6_7_9_11	34.5489	-355.437	0.6335421	0	0	0	0
cov2_3_4_5_6_7_9	34.5584	-355.442	0.6345731	0	0	0	0.03801224
cov2_3_4_5_8_9_11	34.5586	-355.442	0.6319779	0	0	0	0.047279274
cov2_3_4_5_7_9_11	34.5769	-355.451	0.6320277	0	0	0	0.045367934
cov2_3_4_5_6_9_11	34.5869	-355.456	0.6327666	0	0	0	0.024951197
cov1_3_4_5_6_10_11	34.6436	-355.484	0.6347516	0	0.14286125	0	0
cov1_2_3_4_5_10_11	34.6452	-355.485	0.6351529	0	0.13911955	0	-0.011867115
cov1_2_3_4_5_6_10	34.6637	-355.495	0.6365238	0	0.15738573	0	-0.009542866
cov3_4_5_6_7_8_10	34.7279	-355.527	0.6373955	0	0	0	0
cov2_3_4_5_7_8_10	34.8025	-355.564	0.6359244	0	0	0	0.061667061
cov3_4_5_7_8_10_11	34.8037	-355.565	0.6345877	0	0	0	0
cov3_4_5_6_8_10_11	34.8219	-355.574	0.6349724	0	0	0	0
cov2_3_4_5_6_8_10	34.8235	-355.574	0.6359128	0	0	0	0.043470466
cov3_4_5_6_7_10_11	34.8453	-355.585	0.6349454	0	0	0	0
cov2_3_4_5_6_7_10	34.8508	-355.588	0.635941	0	0	0	0.042397204
cov2_3_4_5_8_10_11	34.8629	-355.594	0.6332205	0	0	0	0.052821541
cov2_3_4_5_6_10_11	34.8723	-355.599	0.6339976	0	0	0	0.029160694
cov2_3_4_5_7_10_11	34.88	-355.603	0.6332641	0	0	0	0.050905866
cov1_2_5_9_10_11	35.481	-359.301	0.6616051	0	-0.15101714	0	0.16775427
cov1_2_5_6_9_11	35.6618	-359.391	0.6638402	0	-0.15763457	0	0.16691611
cov1_3_4_5_6_7_8	35.6914	-356.008	0.6348328	0	0.32894856	0	0
cov1_3_4_5_7_8_11	35.7128	-356.019	0.6341869	0	0.35241993	0	0
cov1_2_3_4_5_7_8	35.715	-356.02	0.6344976	0	0.35200889	0	0.007352521
cov2_5_6_9_10_11	35.7653	-359.443	0.6643798	0	0	0	0.14171631
cov1_2_6_9_10_11	35.7793	-359.45	0.6603966	0	-0.070320708	0	0.17447845
cov1_2_5_6_9_10	35.7799	-359.45	0.6578675	0	-0.19231004	0	0.16401188
cov1_5_6_7_8_11	35.7907	-359.455	0.6510487	0	0.045681886	0	0
cov1_3_4_5_6_8_11	35.7973	-356.061	0.6343818	0	0.33490638	0	0
cov1_2_3_4_5_6_8	35.7981	-356.062	0.634572	0	0.3339088	0	0.004881692
cov1_2_3_4_5_8_11	35.8148	-356.07	0.6339526	0	0.35337758	0	0.006374982
cov1_3_4_5_6_7_11	35.8421	-356.084	0.6343837	0	0.33090875	0	0
cov1_2_3_4_5_6_7	35.8432	-356.084	0.6346155	0	0.33011062	0	0.005126193
cov1_2_3_4_5_7_11	35.857	-356.091	0.6339714	0	0.34785335	0	0.006436923
cov1_2_5_6_10_11	35.9715	-359.546	0.6649234	0	-0.14673345	0	0.16883939

cov1_2_3_4_7_8_9	36.0008	-356.163	0.6388434	0	-0.14144996	0	0.078708962
cov1_2_3_4_7_9_10	36.0675	-356.196	0.6373911	0	-0.14281841	0	0.078571264
cov1_2_3_4_8_9_10	36.0881	-356.207	0.6374548	0	-0.14199897	0	0.080062294
cov1_2_3_4_5_6_11	36.0897	-356.208	0.6343407	0	0.25798202	0	0.007194648
cov1_3_4_7_8_9_10	36.0908	-356.208	0.6400827	0	-0.11303267	0	0
cov1_2_3_4_6_9_10	36.1138	-356.22	0.6377558	0	-0.11344897	0	0.088130723
cov1_2_3_4_6_7_9	36.1325	-356.229	0.6388406	0	-0.11510775	0	0.078920414
cov1_2_3_4_9_10_11	36.1329	-356.229	0.6379908	0	-0.13618764	0	0.08718661
cov1_2_3_4_6_8_9	36.1512	-356.238	0.6388823	0	-0.11408026	0	0.080367819
cov1_2_3_4_7_9_11	36.1542	-356.24	0.6385697	0	-0.14394724	0	0.077739749
cov1_3_4_6_7_8_9	36.1625	-356.244	0.6414869	0	-0.092342766	0	0
cov1_3_4_7_8_9_11	36.1727	-356.249	0.6409905	0	-0.11629402	0	0
cov1_2_3_4_8_9_11	36.1737	-356.25	0.6386947	0	-0.14242961	0	0.079305202
cov1_2_3_4_6_9_11	36.1916	-356.258	0.6390432	0	-0.11212819	0	0.087035337
cov1_3_4_6_7_9_10	36.2234	-356.274	0.6400968	0	-0.089818224	0	0
cov2_3_4_6_7_8_9	36.2316	-356.278	0.6406987	0	0	0	0.054424079
cov1_3_4_7_9_10_11	36.2394	-356.282	0.6396666	0	-0.11695589	0	0
cov3_4_6_7_8_9_10	36.2433	-356.284	0.6410574	0	0	0	0
cov1_3_4_6_8_9_10	36.2501	-356.288	0.6401915	0	-0.088051835	0	0
cov1_3_4_8_9_10_11	36.2672	-356.296	0.6398514	0	-0.11484128	0	0
cov2_3_4_6_7_9_10	36.2821	-356.304	0.6393154	0	0	0	0.054957909
cov2_3_4_6_8_9_10	36.2982	-356.312	0.6393379	0	0	0	0.056426751
cov1_3_4_6_7_9_11	36.3035	-356.314	0.6408222	0	-0.092779562	0	0
cov3_4_6_7_8_9_11	36.3172	-356.321	0.6429348	0	0	0	0
cov2_3_4_6_9_10_11	36.3187	-356.322	0.6406542	0	0	0	0.065503547
cov1_3_4_6_8_9_11	36.3295	-356.327	0.6409737	0	-0.090524399	0	0
cov1_2_3_4_7_8_10	36.338	-356.332	0.640527	0	-0.13537083	0	0.082251416
cov1_3_4_6_9_10_11	36.338	-356.332	0.6408415	0	-0.081273032	0	0
cov2_3_5_7_8_9_10	36.3488	-356.337	0.6303889	0	0	0	0.1924366
cov2_3_4_6_7_9_11	36.353	-356.339	0.6414416	0	0	0	0.0567634
cov2_3_4_6_8_9_11	36.3669	-356.346	0.6415006	0	0	0	0.058340159
cov3_4_6_7_9_10_11	36.3693	-356.347	0.6415926	0	0	0	0
cov3_4_6_8_9_10_11	36.3899	-356.358	0.6416938	0	0	0	0
cov2_4_5_7_8_9_10	36.4442	-356.385	0.6453141	0	0	0	-0.053353968
cov1_2_3_5_7_8_9	36.4489	-356.387	0.6319252	0	0.02188578	0	0.18803552
cov2_3_5_7_8_9_11	36.4521	-356.389	0.6314347	0	0	0	0.19106071
cov2_3_5_6_7_8_9	36.4542	-356.39	0.632009	0	0	0	0.19099983
cov1_2_3_4_6_7_10	36.4715	-356.398	0.6405159	0	-0.11057261	0	0.0823994
cov1_2_3_5_8_9_10	36.4763	-356.401	0.6302866	0	0.027887819	0	0.18877271
cov2_3_5_8_9_10_11	36.4846	-356.405	0.6299087	0	0	0	0.19322928
cov2_3_5_6_8_9_10	36.4858	-356.406	0.6303839	0	0	0	0.19306117
cov1_2_3_4_7_10_11	36.4904	-356.408	0.6402064	0	-0.13835009	0	0.081243433
cov1_2_3_4_6_8_10	36.4907	-356.408	0.6405624	0	-0.10951841	0	0.083846057
cov1_4_5_7_8_9_10	36.4944	-356.41	0.6433792	0	-0.053466878	0	0
cov4_5_6_7_8_9_10	36.4998	-356.413	0.6438551	0	0	0	0
cov1_2_3_5_7_9_10	36.5036	-356.414	0.6303153	0	0.022570319	0	0.18816018
cov2_3_5_7_9_10_11	36.5083	-356.417	0.6299311	0	0	0	0.19155911

cov2_3_5_6_7_9_10	36.5102	-356.418	0.6303894	0	0	0	0.19194088
cov1_2_3_4_8_10_11	36.5104	-356.418	0.640327	0	-0.13682632	0	0.082802726
cov1_3_4_6_7_8_10	36.5177	-356.422	0.6433097	0	-0.086534232	0	0
cov1_3_4_7_8_10_11	36.5253	-356.425	0.6427716	0	-0.10951767	0	0
cov1_2_3_4_6_10_11	36.5334	-356.429	0.6407196	0	-0.10769029	0	0.090676175
cov3_4_7_8_9_10_11	36.5401	-356.433	0.6453184	0	0	0	0
cov4_5_7_8_9_10_11	36.5474	-356.436	0.6448171	0	0	0	0
cov2_3_4_6_7_8_10	36.553	-356.439	0.6422291	0	0	0	0.058736285
cov2_4_5_6_7_9_10	36.5571	-356.441	0.6449118	0	0	0	-0.043380399
cov1_2_4_5_7_9_10	36.5695	-356.447	0.6448167	0	-0.016465233	0	-0.045534715
cov2_3_5_6_9_10_11	36.573	-356.449	0.6298691	0	0	0	0.18354711
cov2_4_5_7_9_10_11	36.5731	-356.449	0.6453191	0	0	0	-0.052274848
cov1_2_3_5_9_10_11	36.5749	-356.45	0.6299422	0	-0.015303253	0	0.18409971
cov1_2_3_5_6_9_10	36.5763	-356.451	0.6304691	0	-0.004149159	0	0.18489054
cov1_2_3_5_6_8_9	36.5814	-356.453	0.6318505	0	0.031733599	0	0.18899767
cov1_2_3_5_8_9_11	36.5814	-356.453	0.6316133	0	0.025442588	0	0.18853535
cov2_3_5_6_8_9_11	36.5891	-356.457	0.6314601	0	0	0	0.19242303
cov2_4_5_6_7_8_9	36.5945	-356.46	0.6474468	0	0	0	-0.04634114
cov2_3_4_7_8_9_11	36.5987	-356.462	0.6461944	0	0	0	0.026868383
cov1_2_4_5_7_8_9	36.6037	-356.465	0.6472828	0	-0.019577083	0	-0.046583392
cov1_4_5_6_7_9_10	36.6068	-356.466	0.6434641	0	-0.031221314	0	0
cov2_4_5_7_8_9_11	36.6092	-356.467	0.6478497	0	0	0	-0.055007887
cov1_2_3_5_6_7_9	36.6098	-356.468	0.6318867	0	0.027539179	0	0.18847101
cov1_2_3_5_7_9_11	36.6098	-356.468	0.6316037	0	0.019656002	0	0.18789047
cov2_3_5_6_7_9_11	36.6145	-356.47	0.6314471	0	0	0	0.19127235
cov4_5_6_7_9_10_11	36.6194	-356.472	0.6439978	0	0	0	0
cov1_4_5_7_9_10_11	36.6228	-356.474	0.6433918	0	-0.052218276	0	0
cov1_2_3_7_8_9_10	36.6405	-356.483	0.6335395	0	-0.099525027	0	0.17645679
cov2_4_5_6_8_9_10	36.6422	-356.484	0.6452094	0	0	0	-0.043589928
cov1_4_5_6_7_8_9	36.6471	-356.486	0.6458858	0	-0.037687004	0	0
cov3_4_6_7_8_10_11	36.6548	-356.49	0.6445166	0	0	0	0
cov1_2_4_5_8_9_10	36.6568	-356.491	0.6451746	0	-0.014581712	0	-0.047046962
cov1_3_4_6_7_10_11	36.6576	-356.492	0.6425913	0	-0.087379056	0	0
cov2_4_5_8_9_10_11	36.6592	-356.492	0.6456881	0	0	0	-0.052473034
cov1_4_5_7_8_9_11	36.6599	-356.493	0.6457917	0	-0.056935463	0	0
cov4_5_6_7_8_9_11	36.6659	-356.496	0.646516	0	0	0	0
cov2_3_4_7_9_10_11	36.6699	-356.498	0.6449477	0	0	0	0.026557575
cov1_2_3_7_8_9_11	36.6742	-356.5	0.6347432	0	-0.10023946	0	0.17635366
cov2_3_4_6_7_10_11	36.6763	-356.501	0.642887	0	0	0	0.06090091
cov2_3_4_8_9_10_11	36.6785	-356.502	0.644993	0	0	0	0.028523677
cov1_3_4_6_8_10_11	36.6845	-356.505	0.6427463	0	-0.085091545	0	0
cov1_2_3_5_6_9_11	36.6861	-356.506	0.6314007	0	-0.009358815	0	0.18444971
cov1_5_6_9_10_11	36.6885	-359.904	0.6670533	0	-0.054104392	0	0
cov2_3_4_6_8_10_11	36.691	-356.508	0.6429507	0	0	0	0.062488491
cov2_3_4_7_8_9_10	36.6932	-356.509	0.642488	0	0	0	0.007336069
cov1_4_5_6_8_9_10	36.6946	-356.51	0.6437803	0	-0.028580618	0	0
cov2_3_4_5_6_7_8	36.7034	-356.514	0.635557	0	0	0	0.094643789

cov4_5_6_8_9_10_11	36.7046	-356.515	0.6443426	0	0	0
cov1_2_3_5_7_8_10	36.7072	-356.516	0.6331028	0	0.034963783	0.19014246
cov1_4_5_8_9_10_11	36.7133	-356.519	0.6438097	0	-0.050403429	0
cov2_3_5_7_8_10_11	36.7179	-356.522	0.6325103	0	0	0.19532316
cov2_3_5_6_7_8_10	36.7189	-356.522	0.6332801	0	0	0.19440724
cov2_4_5_6_7_9_11	36.7189	-356.522	0.6470994	0	0	-0.045642113
cov1_2_4_5_6_7_9	36.7195	-356.522	0.6472722	0	-0.000413123	-0.044766133
cov1_2_4_5_7_9_11	36.7334	-356.529	0.6470571	0	-0.020791604	-0.046539626
cov1_2_3_6_7_8_9	36.7335	-356.529	0.6349093	0	-0.086954651	0.17729785
cov1_4_5_6_7_9_11	36.7709	-356.548	0.645683	0	-0.035112928	0
cov2_3_6_7_8_9_10	36.7773	-356.551	0.6349743	0	0	0.15113228
cov1_2_3_6_7_9_10	36.7952	-356.56	0.6334115	0	-0.084093407	0.17754148
cov1_2_3_6_8_9_10	36.7956	-356.561	0.6335295	0	-0.083983338	0.17765276
cov1_2_3_6_9_10_11	36.7956	-356.561	0.6333344	0	-0.085102531	0.1775455
cov1_2_3_7_9_10_11	36.8023	-356.564	0.6333998	0	-0.10028683	0.17626227
cov1_2_3_8_9_10_11	36.8028	-356.564	0.6335907	0	-0.099495387	0.17642764
cov2_4_5_6_8_9_11	36.8043	-356.565	0.6474488	0	0	-0.045636118
cov1_2_4_5_6_8_9	36.8045	-356.565	0.6476441	0	0.00315165	-0.046090836
cov1_2_4_5_8_9_11	36.8211	-356.573	0.647521	0	-0.01792144	-0.047916736
cov2_3_4_5_6_8_11	36.8211	-356.573	0.6332767	0	0	0.091737509
cov2_3_4_5_6_7_11	36.832	-356.579	0.633263	0	0	0.090117775
cov1_2_3_5_8_10_11	36.838	-356.582	0.6327401	0	0.038029582	0.19060344
cov1_2_3_5_6_8_10	36.8388	-356.582	0.6330351	0	0.042899634	0.19095404
cov2_3_5_6_8_10_11	36.8538	-356.59	0.6326234	0	0	0.19569033
cov1_4_5_6_8_9_11	36.8591	-356.592	0.6460986	0	-0.03169816	0
cov2_3_6_7_8_9_11	36.8615	-356.593	0.6369679	0	0	0.15366139
cov1_2_3_5_7_10_11	36.8671	-356.596	0.632733	0	0.032299263	0.18996556
cov1_2_3_5_6_7_10	36.868	-356.597	0.6330715	0	0.038755227	0.19043529
cov2_4_5_6_7_8_10	36.8767	-356.601	0.648446	0	0	-0.041711576
cov2_3_5_6_7_10_11	36.879	-356.602	0.6326061	0	0	0.19453177
cov1_2_4_5_7_8_10	36.8833	-356.604	0.6484789	0	-0.006717362	-0.045133268
cov2_4_5_7_8_10_11	36.8839	-356.605	0.6486089	0	0	-0.048434211
cov1_2_3_6_8_9_11	36.8907	-356.608	0.6347459	0	-0.083459994	0.17769842
cov3_4_5_6_7_8_11	36.8915	-356.608	0.636326	0	0	0
cov1_2_3_6_7_9_11	36.8917	-356.609	0.6345679	0	-0.083988995	0.17755797
cov2_3_4_7_8_10_11	36.8917	-356.609	0.6473609	0	0	0.032158359
cov2_3_6_8_9_10_11	36.9133	-356.619	0.6356917	0	0	0.15498656
cov2_3_6_7_9_10_11	36.9141	-356.62	0.6355378	0	0	0.15472555
cov1_4_5_6_7_8_10	36.926	-356.626	0.6471052	0	-0.025911995	0
cov4_5_6_7_8_10_11	36.9351	-356.63	0.647461	0	0	0
cov1_4_5_7_8_10_11	36.9361	-356.631	0.6469848	0	-0.043224339	0
cov1_2_3_5_6_10_11	36.9492	-356.637	0.6325671	0	0.000588031	0.18629729
cov2_3_7_8_9_10_11	36.9559	-356.641	0.6398395	0	0	0.11804308
cov1_2_4_5_6_7_10	37.0011	-356.663	0.648456	0	0.010360563	-0.043498748
cov2_4_5_6_7_10_11	37.0012	-356.663	0.6480294	0	0	-0.041307797
cov1_2_4_5_7_10_11	37.0121	-356.669	0.6482251	0	-0.008193499	-0.045127388
cov1_4_6_7_8_9_10	37.0278	-356.677	0.6447747	0	-0.13902623	0

cov1_2_3_6_7_8_10	37.0361	-356.681	0.6365439	0	-0.083342559	0	0.17869701
cov1_2_4_7_8_9_10	37.0367	-356.681	0.6439957	0	-0.17278816	0	0.01834477
cov1_2_3_7_8_10_11	37.0385	-356.682	0.6363788	0	-0.095353355	0	0.17768916
cov1_4_7_8_9_10_11	37.047	-356.686	0.6446929	0	-0.16323776	0	0
cov1_4_5_6_7_10_11	37.0496	-356.688	0.6468864	0	-0.023496117	0	0
cov1_2_4_5_6_8_10	37.0862	-356.706	0.648813	0	0.013925366	0	-0.044821792
cov2_4_5_6_8_10_11	37.0876	-356.706	0.6483804	0	0	0	-0.041297185
cov1_2_4_5_8_10_11	37.0997	-356.713	0.6486857	0	-0.005318414	0	-0.046497805
cov1_2_4_6_7_9_10	37.1351	-356.73	0.6440436	0	-0.1435187	0	0.019592449
cov1_4_5_6_8_10_11	37.1379	-356.732	0.6472934	0	-0.0200673	0	0
cov1_2_4_6_7_8_9	37.147	-356.736	0.6461852	0	-0.14554961	0	0.017198795
cov1_4_6_7_9_10_11	37.147	-356.736	0.6445572	0	-0.13616755	0	0
cov2_3_6_7_8_10_11	37.1549	-356.74	0.6384171	0	0	0	0.15559189
cov1_4_6_7_8_9_11	37.1559	-356.741	0.6465502	0	-0.13955309	0	0
cov1_2_4_7_9_10_11	37.1617	-356.744	0.6440031	0	-0.1713185	0	0.018468683
cov1_2_4_7_8_9_11	37.1689	-356.747	0.6461121	0	-0.17126623	0	0.016112836
cov2_3_4_5_7_8_11	37.1861	-356.756	0.6311938	0	0	0	0.13677692
cov1_2_3_6_7_10_11	37.1935	-356.759	0.6361445	0	-0.080885886	0	0.17870377
cov1_2_3_6_8_10_11	37.1937	-356.76	0.6363229	0	-0.080306246	0	0.17884807
cov1_2_4_6_8_9_10	37.2336	-356.78	0.6444002	0	-0.14132007	0	0.019005316
cov1_4_6_8_9_10_11	37.2449	-356.785	0.6449941	0	-0.13347147	0	0
cov1_2_4_8_9_10_11	37.2642	-356.795	0.6444758	0	-0.17032806	0	0.017880536
cov1_2_4_6_7_9_11	37.2662	-356.796	0.6459317	0	-0.14296634	0	0.017175858
cov1_2_4_6_8_9_11	37.3647	-356.845	0.6463834	0	-0.14006317	0	0.016686634
cov4_6_7_8_9_10_11	37.3675	-356.846	0.6487587	0	0	0	0
cov2_4_6_7_8_9_10	37.3928	-356.859	0.6476484	0	0	0	-0.014787686
cov2_4_6_7_9_10_11	37.4673	-356.896	0.6487126	0	0	0	-0.009835206
cov1_2_4_6_7_8_10	37.4797	-356.903	0.647631	0	-0.14103694	0	0.021078872
cov2_4_6_7_8_9_11	37.4903	-356.908	0.6507923	0	0	0	-0.012599026
cov1_4_6_7_8_10_11	37.4931	-356.909	0.6480949	0	-0.13369021	0	0
cov1_2_4_7_8_10_11	37.4989	-356.912	0.6475323	0	-0.16538852	0	0.020050846
cov2_4_6_8_9_10_11	37.5531	-356.939	0.6490289	0	0	0	-0.009734067
cov1_2_4_6_7_10_11	37.5984	-356.962	0.6473507	0	-0.13865229	0	0.021029853
cov1_2_4_6_8_10_11	37.6976	-357.012	0.6477999	0	-0.13572838	0	0.020538207
cov2_4_6_7_8_10_11	37.8036	-357.065	0.6519652	0	0	0	-0.007976827
cov1_3_5_7_8_9_10	37.848	-357.087	0.6358094	0	0.13667796	0	0
cov2_4_7_8_9_10_11	37.9078	-357.117	0.6546429	0	0	0	-0.051151497
cov1_3_5_6_7_8_9	37.9473	-357.136	0.6373839	0	0.12156148	0	0
cov1_3_5_7_8_9_11	37.9485	-357.137	0.6364812	0	0.12882687	0	0
cov1_3_5_6_8_9_10	37.9856	-357.156	0.6358287	0	0.13116787	0	0
cov1_3_5_8_9_10_11	37.9866	-357.156	0.6351223	0	0.1371391	0	0
cov1_3_7_8_9_10_11	37.9892	-357.157	0.6372182	0	0.040421185	0	0
cov1_3_6_7_8_9_10	37.9905	-357.158	0.6378744	0	0.036880748	0	0
cov3_5_6_7_8_9_10	37.9991	-357.162	0.6368478	0	0	0	0
cov1_3_5_7_9_10_11	38.0034	-357.164	0.6351071	0	0.13069269	0	0
cov1_3_5_6_7_9_10	38.004	-357.165	0.6358552	0	0.12608912	0	0
cov3_6_7_8_9_10_11	38.0088	-357.167	0.6365832	0	0	0	0

cov1_3_5_6_9_10_11	38.0252	-357.175	0.6351523	0	0.10069326	0	0
cov3_5_7_8_9_10_11	38.0776	-357.201	0.6345033	0	0	0	0
cov3_5_6_7_8_9_11	38.0816	-357.204	0.6367004	0	0	0	0
cov1_3_6_7_8_9_11	38.0868	-357.206	0.6386007	0	0.034328357	0	0
cov1_3_5_6_8_9_11	38.0883	-357.207	0.6366327	0	0.12679972	0	0
cov1_3_5_6_7_9_11	38.1071	-357.216	0.6366121	0	0.12127679	0	0
cov1_2_4_5_9_10_11	38.1401	-357.233	0.6593424	0	0.063760125	0	-0.084364189
cov1_3_6_7_9_10_11	38.1493	-357.237	0.637211	0	0.037688646	0	0
cov3_5_6_8_9_10_11	38.1508	-357.238	0.6353074	0	0	0	0
cov1_3_6_8_9_10_11	38.1521	-357.239	0.6373763	0	0.038465165	0	0
cov3_5_6_7_9_10_11	38.1525	-357.239	0.6352631	0	0	0	0
cov2_4_5_6_9_10_11	38.1875	-357.256	0.657858	0	0	0	-0.065025414
cov1_3_5_6_7_8_10	38.2391	-357.282	0.6386759	0	0.13408883	0	0
cov1_2_4_5_6_9_10	38.2393	-357.282	0.6571223	0	0.049833817	0	-0.090724652
cov1_3_5_7_8_10_11	38.2416	-357.284	0.6377091	0	0.14289104	0	0
cov1_2_3_5_6_7_8	38.2587	-357.292	0.6324401	0	0.13904481	0	0.21238463
cov1_2_3_5_7_8_11	38.2866	-357.306	0.632041	0	0.16685878	0	0.21482449
cov1_2_4_5_6_7_8	38.2914	-357.308	0.6467185	0	0.11150841	0	-0.026222729
cov1_2_4_5_7_8_11	38.2959	-357.311	0.6468693	0	0.12507452	0	-0.024884688
cov1_4_5_6_7_8_11	38.3083	-357.317	0.6460864	0	0.093082569	0	0
cov1_2_4_5_6_9_11	38.3093	-357.317	0.6611822	0	0.064643061	0	-0.085133826
cov1_4_5_6_9_10_11	38.3255	-357.325	0.6570721	0	0.008232067	0	0
cov1_3_5_6_8_10_11	38.3785	-357.352	0.6378839	0	0.13893019	0	0
cov1_2_3_5_6_8_11	38.3902	-357.358	0.6324932	0	0.1489607	0	0.21332124
cov1_3_5_6_7_10_11	38.3982	-357.362	0.6378666	0	0.13345965	0	0
cov3_5_6_7_8_10_11	38.404	-357.365	0.6381036	0	0	0	0
cov1_3_6_7_8_10_11	38.409	-357.367	0.6401744	0	0.038358681	0	0
cov1_2_4_5_6_7_11	38.4151	-357.37	0.6466483	0	0.11605221	0	-0.025504717
cov1_2_3_5_6_7_11	38.4183	-357.372	0.6324721	0	0.14438112	0	0.21277696
cov2_4_5_6_7_8_11	38.4332	-357.379	0.6445593	0	0	0	0.011642476
cov2_3_5_6_7_8_11	38.4633	-357.394	0.6326519	0	0	0	0.23272179
cov1_2_4_5_6_8_11	38.4988	-357.412	0.6472054	0	0.12005964	0	-0.026788239
cov1_2_4_5_6_10_11	38.5966	-357.461	0.662474	0	0.075707055	0	-0.083962915
cov1_2_5_7_8_9_10	39.0901	-357.708	0.6414366	0	-0.21339422	0	0.1616624
cov1_2_5_6_7_9_10	39.1978	-357.762	0.6413867	0	-0.19516835	0	0.16292428
cov1_2_5_7_9_10_11	39.2073	-357.766	0.6418639	0	-0.20847466	0	0.16184094
cov1_2_5_6_7_8_9	39.2487	-357.787	0.6437376	0	-0.20076655	0	0.16241614
cov1_2_5_7_8_9_11	39.2564	-357.791	0.6441675	0	-0.21273793	0	0.16147436
cov1_2_4_6_9_10_11	39.3164	-357.821	0.6608101	0	-0.13127326	0	0.001783398
cov1_2_5_6_8_9_10	39.3227	-357.824	0.6417572	0	-0.19215069	0	0.16313821
cov1_2_5_8_9_10_11	39.3343	-357.83	0.6423638	0	-0.20675138	0	0.16194859
cov1_2_5_6_7_9_11	39.3644	-357.845	0.6439443	0	-0.19555569	0	0.16264517
cov1_2_3_4_6_7_8	39.434	-357.88	0.6432732	0	-0.090320148	0	0.15000081
cov1_2_3_4_7_8_11	39.4395	-357.882	0.6435285	0	-0.073130935	0	0.15108302
cov1_2_7_8_9_10_11	39.4834	-357.904	0.6409835	0	-0.10078374	0	0.17152584
cov1_2_6_7_8_9_10	39.4864	-357.906	0.6404008	0	-0.10112356	0	0.17149518
cov1_2_5_6_8_9_11	39.4887	-357.907	0.644425	0	-0.19173619	0	0.1629225

cov1_2_5_6_7_8_10	39.5459	-357.936	0.6449793	0	-0.19031495	0	0.16434999
cov1_2_5_7_8_10_11	39.5515	-357.938	0.6453796	0	-0.20046817	0	0.16354747
cov2_3_4_6_7_8_11	39.5557	-357.941	0.6456828	0	0	0	0.13265715
cov1_2_3_4_6_7_11	39.5662	-357.946	0.6435932	0	-0.083988795	0	0.14941133
cov2_5_6_7_8_9_10	39.5751	-357.95	0.6441147	0	0	0	0.12716512
cov1_2_6_7_9_10_11	39.6035	-357.964	0.6408058	0	-0.093785341	0	0.17183195
cov1_2_3_6_7_8_11	39.6133	-357.969	0.6414704	0	-0.072572433	0	0.19590567
cov1_2_3_4_6_8_11	39.6175	-357.971	0.6437844	0	-0.081361029	0	0.15143091
cov2_5_6_7_9_10_11	39.6309	-357.978	0.6457252	0	0	0	0.13162117
cov2_6_7_8_9_10_11	39.6369	-357.981	0.6440471	0	0	0	0.14630534
cov1_2_5_6_7_10_11	39.6614	-357.993	0.6451632	0	-0.18522017	0	0.16457162
cov1_2_6_7_8_9_11	39.6994	-358.012	0.6434393	0	-0.09474982	0	0.17166431
cov2_5_6_7_8_9_11	39.7112	-358.018	0.648265	0	0	0	0.1300176
cov1_2_6_8_9_10_11	39.727	-358.026	0.6412856	0	-0.090035653	0	0.17209577
cov2_5_6_8_9_10_11	39.7385	-358.032	0.6460841	0	0	0	0.13242837
cov1_2_5_6_8_10_11	39.7859	-358.056	0.6456392	0	-0.1813877	0	0.16484725
cov2_5_7_8_9_10_11	39.7992	-358.062	0.6483252	0	0	0	0.10796924
cov1_2_6_7_8_10_11	39.9327	-358.129	0.6443832	0	-0.092024198	0	0.17303409
cov2_5_6_7_8_10_11	39.9619	-358.144	0.6490115	0	0	0	0.13364203
cov1_2_4_6_7_8_11	39.9982	-358.162	0.6473542	0	-0.10665035	0	0.10004967
cov1_3_4_6_7_8_11	40.0905	-358.208	0.6494177	0	-0.033301685	0	0
cov1_3_5_6_7_8_11	40.1915	-358.258	0.6396439	0	0.26365877	0	0
cov1_5_6_7_8_9_10	40.2218	-358.274	0.6467664	0	-0.097932386	0	0
cov1_5_7_8_9_10_11	40.2218	-358.274	0.6468228	0	-0.097475788	0	0
cov1_5_6_7_9_10_11	40.3406	-358.333	0.64666	0	-0.094786416	0	0
cov5_6_7_8_9_10_11	40.3471	-358.336	0.6485745	0	0	0	0
cov1_5_6_7_8_9_11	40.3849	-358.355	0.6487957	0	-0.1011044	0	0
cov1_5_6_8_9_10_11	40.4681	-358.397	0.6471457	0	-0.090722202	0	0
cov1_3_4_5_7_8_9_10	40.6933	-355.112	0.6327335	0	0.19723192	0	0
cov1_5_6_7_8_10_11	40.7106	-358.518	0.6501303	0	-0.08964998	0	0
cov1_6_7_8_9_10_11	40.7584	-358.542	0.6466854	0	0.021504088	0	0
cov1_3_4_5_7_8_9_11	40.7929	-355.162	0.6336393	0	0.18992925	0	0
cov1_2_3_4_5_7_8_9	40.7939	-355.162	0.6348315	0	0.20749328	0	-0.014203201
cov1_2_3_4_5_8_9_10	40.7985	-355.165	0.6331283	0	0.2137168	0	-0.014337727
cov1_3_4_5_6_7_8_9	40.7987	-355.165	0.6343952	0	0.19920549	0	0
cov1_3_4_5_8_9_10_11	40.7998	-355.165	0.6320784	0	0.19747724	0	0
cov1_3_4_5_6_8_9_10	40.803	-355.167	0.6326799	0	0.20738895	0	0
cov1_2_3_4_5_7_9_10	40.8431	-355.187	0.6331513	0	0.20837181	0	-0.014201918
cov1_3_4_5_7_9_10_11	40.8438	-355.187	0.6320689	0	0.19180618	0	0
cov1_3_4_5_6_7_9_10	40.8469	-355.189	0.632713	0	0.20369973	0	0
cov1_2_3_4_5_8_9_11	40.8974	-355.214	0.6340743	0	0.20748544	0	-0.015446436
cov1_3_4_5_6_8_9_11	40.9019	-355.216	0.633595	0	0.20248537	0	0
cov1_2_3_4_5_6_8_9	40.9024	-355.217	0.6347697	0	0.21763077	0	-0.014285942
cov1_2_3_4_5_7_9_11	40.9427	-355.237	0.6340746	0	0.20175723	0	-0.015360755
cov1_3_4_5_6_7_9_11	40.9463	-355.239	0.6335872	0	0.19840107	0	0
cov1_2_3_4_5_6_7_9	40.9478	-355.239	0.6348033	0	0.2138011	0	-0.014039582
cov1_3_4_5_7_8_10_11	41.0376	-355.284	0.6347882	0	0.20386886	0	0



cov1_2_3_4_5_7_8_10	41.0404	-355.286	0.6359737	0	0.22077193	0	-0.012664961
cov1_3_4_5_6_7_8_10	41.0444	-355.288	0.6355812	0	0.21159509	0	0
cov1_2_5_6_7_8_11	41.0636	-358.695	0.6445861	0	-0.079961882	0	0.18679697
cov1_3_4_5_6_9_10_11	41.0675	-355.299	0.6318876	0	0.13396911	0	0
cov1_2_3_4_5_9_10_11	41.0691	-355.3	0.6323241	0	0.13025027	0	-0.01303856
cov1_2_3_4_5_6_9_10	41.0825	-355.307	0.6335408	0	0.1484478	0	-0.010825524
cov3_4_5_6_7_8_9_10	41.1136	-355.322	0.6341827	0	0	0	0
cov1_2_3_4_5_8_10_11	41.1421	-355.336	0.6351772	0	0.2202919	0	-0.013960992
cov1_3_4_5_6_8_10_11	41.1462	-355.339	0.6347505	0	0.21453943	0	0
cov1_2_3_4_5_6_8_10	41.1482	-355.34	0.63591	0	0.22900506	0	-0.012897214
cov3_4_5_6_7_8_9_11	41.1699	-355.35	0.6335747	0	0	0	0
cov2_3_4_5_7_8_9_10	41.1787	-355.355	0.6328348	0	0	0	0.055705278
cov3_4_5_7_8_9_10_11	41.1791	-355.355	0.6316448	0	0	0	0
cov2_3_4_5_6_7_8_9	41.1801	-355.355	0.6346056	0	0	0	0.036690886
cov1_2_3_4_5_6_9_11	41.1805	-355.356	0.6339363	0	0.13997344	0	-0.012530915
cov1_2_3_4_5_7_10_11	41.1878	-355.359	0.6351784	0	0.21462377	0	-0.013875268
cov1_3_4_5_6_7_10_11	41.1912	-355.361	0.634744	0	0.21050826	0	0
cov1_2_3_4_5_6_7_10	41.1942	-355.363	0.6359482	0	0.22523024	0	-0.012649697
cov2_3_4_5_7_8_9_11	41.2119	-355.371	0.6320268	0	0	0	0.04530983
cov3_4_5_6_8_9_10_11	41.2174	-355.374	0.6320263	0	0	0	0
cov2_3_4_5_6_8_9_10	41.2189	-355.375	0.6328707	0	0	0	0.03922695
cov3_4_5_6_7_9_10_11	41.2402	-355.386	0.6319914	0	0	0	0
cov2_3_4_5_6_7_9_10	41.2452	-355.388	0.6328917	0	0	0	0.038159455
cov2_3_4_5_8_9_10_11	41.2535	-355.392	0.6304246	0	0	0	0.047932763
cov2_3_4_5_6_9_10_11	41.2704	-355.401	0.6311159	0	0	0	0.02575849
cov2_3_4_5_7_9_10_11	41.2705	-355.401	0.6304617	0	0	0	0.046027324
cov2_3_4_5_6_8_9_11	41.2852	-355.408	0.6326499	0	0	0	0.034069859
cov2_3_4_5_6_7_9_11	41.3115	-355.421	0.6326561	0	0	0	0.032932188
cov1_2_3_4_5_6_10_11	41.435	-355.483	0.6350832	0	0.15012355	0	-0.011114093
cov3_4_5_6_7_8_10_11	41.4651	-355.498	0.6349748	0	0	0	0
cov2_3_4_5_6_7_8_10	41.4716	-355.501	0.6359628	0	0	0	0.041037957
cov2_3_4_5_7_8_10_11	41.5155	-355.523	0.6332669	0	0	0	0.050848169
cov2_3_4_5_6_8_10_11	41.5735	-355.552	0.6339162	0	0	0	0.038132204
cov2_3_4_5_6_7_10_11	41.5995	-355.565	0.6339177	0	0	0	0.036983676
cov1_2_5_6_9_10_11	42.2752	-359.3	0.661592	0	-0.15415842	0	0.16749083
cov1_3_4_5_6_7_8_11	42.4842	-356.008	0.6344392	0	0.32609846	0	0
cov1_2_3_4_5_6_7_8	42.4853	-356.008	0.6346627	0	0.3252494	0	0.005084139
cov1_2_3_4_5_7_8_11	42.5062	-356.018	0.6339724	0	0.34726943	0	0.006738086
cov1_2_3_4_5_6_8_11	42.5914	-356.061	0.6342401	0	0.3316841	0	0.004556875
cov1_2_3_4_5_6_7_11	42.6361	-356.083	0.6342353	0	0.32754543	0	0.004755416
cov1_2_3_4_7_8_9_10	42.709	-356.12	0.6374115	0	-0.14268041	0	0.079322329
cov1_2_3_4_6_7_8_9	42.78	-356.155	0.6388499	0	-0.11944649	0	0.079478598
cov1_2_3_4_7_8_9_11	42.7947	-356.163	0.6385836	0	-0.14378905	0	0.078499398
cov1_2_3_4_6_7_9_10	42.8407	-356.186	0.6374107	0	-0.11693823	0	0.079513477
cov1_2_3_4_6_8_9_10	42.8609	-356.196	0.6374687	0	-0.11585487	0	0.080954572
cov1_2_3_4_7_9_10_11	42.8617	-356.196	0.6372168	0	-0.14441173	0	0.078417893
cov1_3_4_6_7_8_9_10	42.874	-356.202	0.6401298	0	-0.093867895	0	0

cov1_2_3_4_8_9_10_11	42.8826	-356.207	0.6373549	0	-0.1429062	0	0.079980384
cov1_3_4_7_8_9_10_11	42.8841	-356.207	0.6397108	0	-0.11648735	0	0
cov1_2_3_4_6_9_10_11	42.9083	-356.22	0.6378338	0	-0.11291669	0	0.088146998
cov1_2_3_4_6_7_9_11	42.9252	-356.228	0.6383848	0	-0.11824763	0	0.078585326
cov1_2_3_4_6_8_9_11	42.9444	-356.238	0.6385004	0	-0.11668791	0	0.080090117
cov2_3_4_6_7_8_9_10	42.9477	-356.239	0.6394054	0	0	0	0.054591717
cov1_3_4_6_7_8_9_11	42.9537	-356.242	0.6408829	0	-0.096606226	0	0
cov1_3_4_6_7_9_10_11	43.0152	-356.273	0.6395493	0	-0.093724142	0	0
cov2_3_4_6_7_8_9_11	43.0162	-356.274	0.6415792	0	0	0	0.056552688
cov3_4_6_7_8_9_10_11	43.0325	-356.282	0.641732	0	0	0	0
cov1_3_4_6_8_9_10_11	43.0425	-356.287	0.6397165	0	-0.091422518	0	0
cov2_3_4_6_7_9_10_11	43.0663	-356.299	0.6402016	0	0	0	0.057148895
cov2_3_4_6_8_9_10_11	43.0813	-356.306	0.6402721	0	0	0	0.058727293
cov1_2_3_4_6_7_8_10	43.1193	-356.325	0.6405312	0	-0.11489205	0	0.082958438
cov1_2_3_4_7_8_10_11	43.1316	-356.331	0.6402174	0	-0.13818105	0	0.081998082
cov1_2_3_5_7_8_9_10	43.1368	-356.334	0.6303243	0	0.022013703	0	0.18811631
cov2_3_5_7_8_9_10_11	43.1411	-356.336	0.6299205	0	0	0	0.19136746
cov2_3_5_6_7_8_9_10	43.1419	-356.336	0.6304054	0	0	0	0.19096531
cov2_4_5_6_7_8_9_10	43.2267	-356.379	0.6450779	0	0	0	-0.044826208
cov1_2_4_5_7_8_9_10	43.2349	-356.383	0.6449673	0	-0.01612448	0	-0.045689384
cov2_4_5_7_8_9_10_11	43.2383	-356.385	0.6454585	0	0	0	-0.052228223
cov1_2_3_5_7_8_9_11	43.2423	-356.387	0.6315961	0	0.018882467	0	0.18783034
cov1_2_3_5_6_7_8_9	43.2435	-356.387	0.6319198	0	0.022787825	0	0.18811367
cov2_3_5_6_7_8_9_11	43.2462	-356.389	0.6315007	0	0	0	0.19034893
cov1_2_3_4_6_7_10_11	43.2637	-356.397	0.640022	0	-0.11400497	0	0.082027638
cov1_2_3_5_6_8_9_10	43.2704	-356.401	0.6302649	0	0.031217808	0	0.18902777
cov1_2_3_5_8_9_10_11	43.2706	-356.401	0.6301155	0	0.02637597	0	0.18867038
cov1_4_5_6_7_8_9_10	43.2776	-356.404	0.6435531	0	-0.034706789	0	0
cov2_3_5_6_8_9_10_11	43.2787	-356.405	0.6299822	0	0	0	0.1925298
cov1_2_3_4_6_8_10_11	43.2836	-356.407	0.6401414	0	-0.11242341	0	0.083533174
cov1_4_5_7_8_9_10_11	43.2887	-356.41	0.6435368	0	-0.051859412	0	0
cov4_5_6_7_8_9_10_11	43.2929	-356.412	0.6441798	0	0	0	0
cov1_2_3_5_6_7_9_10	43.2974	-356.414	0.6302883	0	0.026984513	0	0.18849919
cov1_2_3_5_7_9_10_11	43.2977	-356.414	0.630094	0	0.020596344	0	0.18802603
cov2_3_5_6_7_9_10_11	43.3028	-356.417	0.6299509	0	0	0	0.19136858
cov1_3_4_6_7_8_10_11	43.3082	-356.42	0.6426577	0	-0.091182143	0	0
cov2_3_4_7_8_9_10_11	43.3108	-356.421	0.6449606	0	0	0	0.027297048
cov2_3_4_6_7_8_10_11	43.3393	-356.435	0.6430271	0	0	0	0.060691603
cov2_4_5_6_7_9_10_11	43.3514	-356.441	0.6447979	0	0	0	-0.043856606
cov1_2_4_5_6_7_9_10	43.3516	-356.441	0.6449465	0	0.001941651	0	-0.043984824
cov1_2_4_5_7_9_10_11	43.3641	-356.447	0.6448144	0	-0.016489625	0	-0.045538166
cov1_2_3_5_6_9_10_11	43.367	-356.449	0.6298281	0	-0.007457297	0	0.18472375
cov1_2_3_5_6_8_9_11	43.3751	-356.453	0.631547	0	0.029680251	0	0.18886124
cov2_4_5_6_7_8_9_11	43.3888	-356.46	0.6473163	0	0	0	-0.046881071
cov1_2_4_5_6_7_8_9	43.3889	-356.46	0.6473815	0	-0.003573537	0	-0.045225153
cov1_2_4_5_7_8_9_11	43.3982	-356.465	0.6472089	0	-0.020290054	0	-0.046686573
cov1_4_5_6_7_9_10_11	43.4014	-356.466	0.6434481	0	-0.0313439	0	0

cov1_2_3_5_6_7_9_11	43.4031	-356.467	0.6315248	0	0.0250489	0	0.18830827
cov1_2_3_6_7_8_9_10	43.4316	-356.481	0.633479	0	-0.089006873	0	0.17728117
cov1_2_3_7_8_9_10_11	43.4349	-356.483	0.6334381	0	-0.10045685	0	0.17639063
cov1_2_4_5_6_8_9_10	43.4364	-356.484	0.6453065	0	0.005501362	0	-0.045303921
cov2_4_5_6_8_9_10_11	43.4367	-356.484	0.6451474	0	0	0	-0.043848882
cov1_4_5_6_7_8_9_11	43.4416	-356.486	0.6458157	0	-0.038246822	0	0
cov2_3_4_5_6_7_8_11	43.4441	-356.487	0.6333337	0	0	0	0.088657746
cov1_2_4_5_8_9_10_11	43.4513	-356.491	0.6452727	0	-0.013623506	0	-0.046906966
cov1_2_3_6_7_8_9_11	43.4663	-356.499	0.634622	0	-0.091638288	0	0.17703841
cov1_4_5_6_8_9_10_11	43.4891	-356.51	0.6438606	0	-0.027933358	0	0
cov1_2_3_5_7_8_10_11	43.5002	-356.516	0.6327184	0	0.031528827	0	0.18990832
cov1_2_3_5_6_7_8_10	43.5017	-356.516	0.6331095	0	0.034008034	0	0.19007756
cov2_3_5_6_7_8_10_11	43.5098	-356.52	0.6326612	0	0	0	0.19360114
cov2_3_6_7_8_9_10_11	43.5106	-356.521	0.6357887	0	0	0	0.15238891
cov1_2_4_5_6_7_9_11	43.5135	-356.522	0.6470495	0	-0.002092632	0	-0.045036327
cov1_2_3_6_7_9_10_11	43.5894	-356.56	0.6332023	0	-0.085542176	0	0.17744035
cov1_2_3_6_8_9_10_11	43.59	-356.56	0.633392	0	-0.084952511	0	0.17758397
cov1_2_4_5_6_8_9_11	43.5988	-356.565	0.6474993	0	0.002137986	0	-0.046255072
cov1_2_3_5_6_8_10_11	43.6323	-356.582	0.6327002	0	0.040599296	0	0.19080063
cov1_2_3_5_6_7_10_11	43.661	-356.596	0.6326762	0	0.03602277	0	0.19025277
cov2_4_5_6_7_8_10_11	43.6706	-356.601	0.6482461	0	0	0	-0.04254728
cov1_2_4_5_6_7_8_10	43.6707	-356.601	0.6485677	0	0.007208478	0	-0.043956675
cov1_2_4_5_7_8_10_11	43.6777	-356.604	0.648379	0	-0.007695377	0	-0.045274376
cov1_4_5_6_7_8_10_11	43.7205	-356.626	0.6470192	0	-0.026614165	0	0
cov1_2_4_5_6_7_10_11	43.795	-356.663	0.6482227	0	0.008569492	0	-0.043787345
cov1_2_4_6_7_8_9_10	43.8107	-356.671	0.6441494	0	-0.14718814	0	0.019462947
cov1_4_6_7_8_9_10_11	43.8224	-356.677	0.6447025	0	-0.13956759	0	0
cov1_2_3_6_7_8_10_11	43.8298	-356.68	0.6362431	0	-0.085582454	0	0.17846016
cov1_2_4_7_8_9_10_11	43.831	-356.681	0.6441563	0	-0.17125326	0	0.018524238
cov1_2_4_5_6_8_10_11	43.8805	-356.706	0.6486663	0	0.012807259	0	-0.045005346
cov1_2_4_6_7_9_10_11	43.9297	-356.73	0.644052	0	-0.14391556	0	0.019400999
cov1_2_4_6_7_8_9_11	43.9415	-356.736	0.6460796	0	-0.14631871	0	0.017092682
cov1_2_4_6_8_9_10_11	44.0282	-356.78	0.6444294	0	-0.14102497	0	0.019047487
cov2_4_6_7_8_9_10_11	44.1583	-356.845	0.6489457	0	0	0	-0.010517796
cov1_2_4_6_7_8_10_11	44.2741	-356.902	0.6475023	0	-0.14198412	0	0.020945547
cov1_3_5_6_7_8_9_10	44.6336	-357.082	0.6359128	0	0.12105902	0	0
cov1_3_5_7_8_9_10_11	44.6371	-357.084	0.6351098	0	0.12990349	0	0
cov1_3_5_6_7_8_9_11	44.7365	-357.134	0.636675	0	0.11629427	0	0
cov3_5_6_7_8_9_10_11	44.7699	-357.15	0.635327	0	0	0	0
cov1_3_5_6_8_9_10_11	44.7769	-357.154	0.6352764	0	0.12704486	0	0
cov1_3_6_7_8_9_10_11	44.782	-357.156	0.6373259	0	0.032728438	0	0
cov1_3_5_6_7_9_10_11	44.7945	-357.163	0.6352437	0	0.12149315	0	0
cov1_2_4_5_6_9_10_11	44.9339	-357.232	0.6590653	0	0.067667808	0	-0.084057654
cov1_3_5_6_7_8_10_11	45.0276	-357.279	0.6379328	0	0.12847964	0	0
cov1_2_3_5_6_7_8_11	45.0532	-357.292	0.632541	0	0.13972677	0	0.21242301
cov1_2_4_5_6_7_8_11	45.0854	-357.308	0.6469324	0	0.11310448	0	-0.025970646
cov1_2_5_6_7_8_9_10	45.8761	-357.703	0.6414723	0	-0.19816359	0	0.16288256

cov1_2_5_7_8_9_10_11	45.8814	-357.706	0.6419904	0	-0.20804426	0	0.16208984
cov1_2_5_6_7_9_10_11	45.9907	-357.761	0.6417849	0	-0.19215868	0	0.16315396
cov1_2_5_6_7_8_9_11	46.0421	-357.786	0.6440838	0	-0.19818916	0	0.16262544
cov1_2_5_6_8_9_10_11	46.1146	-357.823	0.642264	0	-0.18834575	0	0.16342977
cov1_2_3_4_6_7_8_11	46.227	-357.879	0.643685	0	-0.087483268	0	0.15022051
cov1_2_6_7_8_9_10_11	46.2775	-357.904	0.6409585	0	-0.096942402	0	0.17179308
cov2_5_6_7_8_9_10_11	46.3213	-357.926	0.6459327	0	0	0	0.13110461
cov1_2_5_6_7_8_10_11	46.3394	-357.935	0.6453046	0	-0.18786151	0	0.16453407
cov1_5_6_7_8_9_10_11	47.0164	-358.274	0.6468217	0	-0.09750961	0	0
cov1_2_3_4_5_7_8_9_10	47.483	-355.11	0.6331703	0	0.20753807	0	-0.013928104
cov1_3_4_5_7_8_9_10_11	47.4832	-355.11	0.6320738	0	0.19097977	0	0
cov1_3_4_5_6_7_8_9_10	47.4878	-355.112	0.6327359	0	0.19875882	0	0
cov1_2_3_4_5_7_8_9_11	47.5818	-355.159	0.6340687	0	0.20072648	0	-0.015109455
cov1_3_4_5_6_7_8_9_11	47.587	-355.162	0.6336159	0	0.19352251	0	0
cov1_2_3_4_5_6_7_8_9	47.5884	-355.162	0.6348296	0	0.20888081	0	-0.014085838
cov1_2_3_4_5_8_9_10_11	47.5887	-355.162	0.6325134	0	0.20826558	0	-0.015078114
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cov1_3_4_5_6_8_9_10_11	47.5933	-355.165	0.6320459	0	0.20273936	0	0
cov1_2_3_4_5_7_9_10_11	47.6327	-355.184	0.6325018	0	0.20253735	0	-0.014985774
cov1_3_4_5_6_7_9_10_11	47.6365	-355.186	0.6320281	0	0.1986225	0	0
cov1_2_3_4_5_6_7_9_10	47.6367	-355.186	0.6331467	0	0.21319846	0	-0.013816056
cov1_2_3_4_5_6_8_9_11	47.6908	-355.214	0.6340265	0	0.21257696	0	-0.015050442
cov1_2_3_4_5_6_7_9_11	47.7353	-355.236	0.6340145	0	0.20836914	0	-0.014854422
cov1_2_3_4_5_7_8_10_11	47.8276	-355.282	0.6351776	0	0.2135996	0	-0.013625102
cov1_3_4_5_6_7_8_10_11	47.8321	-355.284	0.6347771	0	0.20563693	0	0
cov1_2_3_4_5_6_7_8_10	47.835	-355.286	0.6359737	0	0.22033163	0	-0.012665369
cov1_2_3_4_5_6_9_10_11	47.8583	-355.297	0.6322554	0	0.14196685	0	-0.012234821
cov3_4_5_6_7_8_9_10_11	47.8614	-355.299	0.6320235	0	0	0	0
cov2_3_4_5_6_7_8_9_10	47.8673	-355.302	0.6329159	0	0	0	0.03680729
cov2_3_4_5_7_8_9_10_11	47.9061	-355.321	0.6304642	0	0	0	0.045968336
cov2_3_4_5_6_7_8_9_11	47.9347	-355.335	0.6327163	0	0	0	0.031680423
cov1_2_3_4_5_6_8_10_11	47.9361	-355.336	0.6351456	0	0.22372268	0	-0.013696364
cov2_3_4_5_6_8_9_10_11	47.977	-355.357	0.6310851	0	0	0	0.034422324
cov1_2_3_4_5_6_7_10_11	47.9813	-355.359	0.635136	0	0.21956561	0	-0.013498499
cov2_3_4_5_6_7_9_10_11	48.0021	-355.369	0.6310793	0	0	0	0.033280323
cov2_3_4_5_6_7_8_10_11	48.2218	-355.479	0.6339777	0	0	0	0.035726996
cov1_2_3_4_5_6_7_8_11	49.2783	-356.007	0.634291	0	0.32273601	0	0.004721612
cov1_2_3_4_6_7_8_9_10	49.489	-356.113	0.6374271	0	-0.12124462	0	0.080069329
cov1_2_3_4_7_8_9_10_11	49.5033	-356.12	0.6372366	0	-0.14426954	0	0.079178081
cov1_2_3_4_6_7_8_9_11	49.5729	-356.155	0.6384293	0	-0.12234001	0	0.079171419
cov1_2_3_4_6_7_9_10_11	49.634	-356.185	0.6370468	0	-0.11946518	0	0.079240599
cov1_2_3_4_6_8_9_10_11	49.6546	-356.195	0.6371828	0	-0.11785818	0	0.08073949
cov1_3_4_6_7_8_9_10_11	49.6661	-356.201	0.6396161	0	-0.097523008	0	0
cov2_3_4_6_7_8_9_10_11	49.7303	-356.233	0.6403472	0	0	0	0.056951114
cov1_2_3_4_6_7_8_10_11	49.9118	-356.324	0.6400712	0	-0.11808156	0	0.082612403
cov1_2_3_5_7_8_9_10_11	49.9308	-356.334	0.6300781	0	0.019822127	0	0.18797112
cov1_2_3_5_6_7_8_9_10	49.9314	-356.334	0.630323	0	0.022238064	0	0.18814351

cov2_3_5_6_7_8_9_10_11	49.9348	-356.336	0.6300041	0	0	0	0.19044654
cov2_4_5_6_7_8_9_10_11	50.0212	-356.379	0.6450159	0	0	0	-0.045067354
cov1_2_4_5_6_7_8_9_10	50.0213	-356.379	0.6450563	0	-0.001217181	0	-0.044442895
cov1_2_4_5_7_8_9_10_11	50.0294	-356.383	0.6449682	0	-0.015997756	0	-0.045685209
cov1_2_3_5_6_7_8_9_11	50.0368	-356.387	0.6315625	0	0.020349865	0	0.18795412
cov1_2_3_5_6_8_9_10_11	50.0646	-356.4	0.6300645	0	0.029839921	0	0.188938
cov1_4_5_6_7_8_9_10_11	50.0722	-356.404	0.6435812	0	-0.034479298	0	0
cov1_2_3_5_6_7_9_10_11	50.0913	-356.414	0.6300272	0	0.025182306	0	0.18838046
cov1_2_4_5_6_7_9_10_11	50.146	-356.441	0.644825	0	0.000983776	0	-0.044138474
cov1_2_4_5_6_7_8_9_11	50.1831	-356.46	0.6471989	0	-0.00494634	0	-0.045448003
cov1_2_3_6_7_8_9_10_11	50.2259	-356.481	0.6333105	0	-0.090226585	0	0.17720203
cov1_2_4_5_6_8_9_10_11	50.231	-356.484	0.6452679	0	0.005203323	0	-0.045353034
cov1_2_3_5_6_7_8_10_11	50.2948	-356.516	0.6327216	0	0.031324407	0	0.18990009
cov1_2_4_5_6_7_8_10_11	50.4649	-356.601	0.6483741	0	0.00572454	0	-0.044197866
cov1_2_4_6_7_8_9_10_11	50.6053	-356.671	0.6441373	0	-0.14727607	0	0.019451644
cov1_3_5_6_7_8_9_10_11	51.4242	-357.08	0.635315	0	0.11651099	0	0
cov1_2_5_6_7_8_9_10_11	52.6686	-357.702	0.6419251	0	-0.1948079	0	0.16311937
cov1_2_3_4_5_7_8_9_10_11	54.2724	-355.107	0.6324996	0	0.20150957	0	-0.014734677
cov1_3_4_5_6_7_8_9_10_11	54.2775	-355.11	0.6320577	0	0.1937485	0	0
cov1_2_3_4_5_6_7_8_9_10	54.2776	-355.11	0.6331776	0	0.20832308	0	-0.013830689
cov1_2_3_4_5_6_7_8_9_11	54.376	-355.159	0.6340439	0	0.20349285	0	-0.014892645
cov1_2_3_4_5_6_8_9_10_11	54.3824	-355.162	0.6324753	0	0.21262449	0	-0.014740525
cov1_2_3_4_5_6_7_9_10_11	54.4258	-355.184	0.6324528	0	0.20837945	0	-0.014539502
cov1_2_3_4_5_6_7_8_10_11	54.6221	-355.282	0.6351682	0	0.21469552	0	-0.01353588
cov2_3_4_5_6_7_8_9_10_11	54.6256	-355.284	0.631141	0	0	0	0.032028398
cov1_2_3_4_6_7_8_9_10_11	56.2825	-356.112	0.6370969	0	-0.12353203	0	0.079821202
cov1_2_3_5_6_7_8_9_10_11	56.7254	-356.334	0.630069	0	0.020483256	0	0.18802976
cov1_2_4_5_6_7_8_9_10_11	56.8158	-356.379	0.6449702	0	-0.00187449	0	-0.04454872
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0	-0.004144323	0	0	0	0.24076847	0	-0.017242281



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0	0	0	0	0	0	0	0.015416924
0	0	0	0.17202823	0	0	0	0
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0	0.62650254	0	0	0	0	0	0	0
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0	-0.21153687	0	0.51586573	0	-0.27610239	0	-0.000224148
0	-0.21096093	0	0.51288555	0	-0.28033988	0	0.003403338
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0	-0.21224927	0	0.24063968	0	0	-0.000706831	0
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0	0.62683502	0	0.48755333	0	-0.24794067	0	-0.01952594
0	0.049536531	0	0.46742213	0	-0.24600476	0	-0.007497673
0	0.61706335	0	0.48604144	0	-0.24079909	0	-0.007278632
0	0	0	0.469002	0	-0.24766733	0	-0.008298445
0	0	0	0.4975843	0	-0.30859477	0	0.039647841
0	0.62651003	0	0	0	0.21234978	0	-0.010130617
0	0.62646845	0	0	0	0	0	0.001295433
0	0.43796476	0	0	0	0	0	0.003151271
0	0.37158853	0	0.50729395	0	-0.30975162	0	0

0	0.37426967	0	0.50740049	0	-0.31184807	0	0.007427742	0
0	0	0	0.50843087	0	-0.31105563	0	0.005302091	0
0	0.37289798	0	0.20450276	0	0	0	0.004634092	0
0	-0.24999494	0	0.5088272	0	-0.31152725	0	0.00675517	0
0	0.5024862	0	0	0	0	0	0.005246185	0
0	0.37828902	0	0.49268217	0	-0.3454236	0	0.007797323	0
0	0.3797111	0	0.48953335	0	-0.32358757	0	0.027533614	0
0	0.37240455	0	0	0	0.18772343	0	0.004428434	0
0	0.37105898	0	0.52649847	0	-0.30993285	0	0.000819168	0
0	0.62643913	0	0.43481716	0	-0.24174862	0	0	0
0	0.6264749	0	0.43257931	0	-0.24025368	0	-0.008904891	0
0	0.62643821	0	0.43405743	0	-0.24170433	0	0	0
0	0.62644533	0	0.198855	0	0	0	-0.010592045	0
0	0.62643718	0	0.19834616	0	0	0	-0.010406042	0
0	0.62641764	0	0.19881579	0	0	0	0	0
0	0.12756956	0	0.43225919	0	-0.23931362	0	-0.008541009	0
0	0.12914891	0	0.43379894	0	-0.24063526	0	0	0
0	0.12652475	0	0.43175711	0	-0.23909847	0	-0.008532202	0
0	0	0	0.43364708	0	-0.24090895	0	-0.009085206	0
0	0	0	0.43323807	0	-0.24058044	0	-0.009227608	0
0	0	0	0.43536051	0	-0.24223833	0	0	0
0	0.13015932	0	0.19916232	0	0	0	-0.010238011	0
0	0	0	0.19917827	0	0	0	-0.010928679	0
0	0.62643776	0	0	0	0.18464962	0	-0.011163929	0
0	0.62643041	0	0	0	0.18399673	0	-0.010848428	0
0	0.62626068	0	0	0	0.18432864	0	0	0
0	0	0	0.45006622	0	-0.25647747	0	-0.017684228	0
0	0.62664645	0	0.46522646	0	-0.24152957	0	-0.027488182	0
0	0.62662997	0	0.46501009	0	-0.2461292	0	0	0
0	0.62645254	0	0.46865153	0	-0.23863596	0	-0.032397923	0
0	0.62661166	0	0.22396511	0	0	0	-0.025647344	0
0	0.13235475	0	0	0	0.18477734	0	-0.010646323	0
0	0.066297942	0	0.46019912	0	-0.24052316	0	-0.024467124	0
0	0	0	0	0	0.18475248	0	-0.01133095	0
0	0	0	0.46107572	0	-0.24213335	0	-0.024853213	0
0	0.62661789	0	0	0	0.21052274	0	-0.027001563	0
0	0.62640366	0	0	0	0	0	-0.005299886	0
0	0.57407725	0	0.4901911	0	-0.22490679	0	0	0
0	0.57423032	0	0.48881163	0	-0.22537035	0	-0.002228617	0
0	0.57627264	0	0.27014135	0	0	0	-0.005313883	0
0	0	0	0.49034251	0	-0.22533102	0	-0.004640622	0
0	-0.04649555	0	0.48973469	0	-0.22344474	0	-0.0037007	0
0	0.55705732	0	0.5006041	0	-0.22228485	0	-0.006484705	0
0	0.58267399	0	0.47894775	0	-0.21870934	0	0.013642864	0
0	0.57482767	0	0	0	0.25735975	0	-0.005857556	0
0	0.62648843	0	0.44163768	0	-0.24228312	0	-0.003284089	0
0	0.62646851	0	0.44214759	0	-0.24284157	0	0	0

0	0.62649935	0	0.44454863	0	-0.24237304	0	-0.00513456	0
0	0.43663519	0	0.49626153	0	-0.3051807	0	-0.001060989	0
0	0.43682444	0	0.49659343	0	-0.30530295	0	0	0
0	0.43745319	0	0.4957547	0	-0.30623962	0	0.000203797	0
0	0.62647281	0	0.20510688	0	0	0	-0.004637129	0
0	0.074830606	0	0.44061888	0	-0.24116435	0	-0.002615226	0
0	0.43105541	0	0.49501936	0	-0.30637974	0	0.000386556	0
0	0	0	0.44222031	0	-0.24278982	0	-0.003398062	0
0	0	0	0.49663608	0	-0.30531671	0	-0.001814918	0
0	0.43602678	0	0.19844065	0	0	0	-0.002608491	0
0	0.62228867	0	0.46773043	0	-0.23406849	0	-0.002251687	0
0	-0.18579393	0	0.49703002	0	-0.30581485	0	-0.000568358	0
0	0.62647218	0	0	0	0.1905106	0	-0.005077673	0
0	0.43573102	0	0	0	0.18193277	0	-0.002801898	0
0	0.40983122	0	0.51319276	0	-0.27789242	0	-0.000161195	0
0	0.62648312	0	0.46837042	0	-0.24705889	0	-0.008247721	0
0	0.37331931	0	0.50802366	0	-0.31073602	0	0.006054937	0
0	0.62642787	0	0.43342628	0	-0.24013436	0	-0.009425594	0
0	0.62643027	0	0.43276433	0	-0.24007284	0	-0.0091724	0
0	0.62622331	0	0.43490512	0	-0.24171861	0	0	0
0	0.62641379	0	0.19921904	0	0	0	-0.010868009	0
0	0.12698189	0	0.43255877	0	-0.23902455	0	-0.008998301	0
0	0	0	0.43402845	0	-0.24050651	0	-0.009686103	0
0	0.6264109	0	0	0	0.18479642	0	-0.011270727	0
0	0.62660183	0	0.45990323	0	-0.24155686	0	-0.024427634	0
0	0.572945	0	0.48964589	0	-0.22414726	0	-0.004208132	0
0	0.62646146	0	0.44167893	0	-0.24223159	0	-0.003347275	0
0	0.43645051	0	0.49644397	0	-0.30510004	0	-0.001245999	0
0	0.62639588	0	0.43355877	0	-0.23999932	0	-0.00962408	0

SUPPLEMENTARY TABLE 5

Model	BIC	Loglike	H2r	SE	bsnp_rs2938864	SE	bsnp_rs1001646
cov0	0	-219.893	0.4180209	0	0	0	0
cov1	0.4018	-216.571	0.4185549	0	-0.089374734	0	0
cov6	0.4686	-216.605	0.4191203	0	0	0	0
cov2	1.0516	-216.896	0.4213974	0	0	0	-0.083996826
cov5	2.4807	-217.611	0.4212418	0	0	0	0
cov4	3.1226	-217.932	0.4244336	0	0	0	0
cov10	3.1693	-217.955	0.4115142	0	0	0	0
cov9	3.8533	-218.297	0.4117738	0	0	0	0
cov11	4.0549	-218.398	0.4151934	0	0	0	0
cov8	5.7948	-219.268	0.4184404	0	0	0	0
cov7	5.8007	-219.271	0.4184467	0	0	0	0
cov1_10	6.4846	-216.09	0.415162	0	-0.073655875	0	0
cov6_7	6.5391	-216.117	0.4198951	0	0	0	0
cov6_8	6.551	-216.123	0.4198837	0	0	0	0
cov1_8	6.5687	-216.132	0.4193109	0	-0.087034435	0	0
cov1_7	6.5754	-216.136	0.4193131	0	-0.08703092	0	0
cov6_10	6.6052	-216.151	0.4155828	0	0	0	0
cov5_10	6.6913	-216.194	0.4151843	0	0	0	0
cov2_10	6.8247	-216.26	0.4171334	0	0	0	-0.06814853
cov3	6.915	-219.828	0.4191744	0	0	0	0
cov1_9	6.9164	-216.306	0.4158491	0	-0.076979755	0	0
cov1_3	6.9416	-216.319	0.4209892	0	-0.092707934	0	0
cov3_6	6.9959	-216.346	0.4216259	0	0	0	0
cov2_6	7.0079	-216.352	0.4203444	0	0	0	-0.039097963
cov6_9	7.0206	-216.358	0.4163222	0	0	0	0
cov2_8	7.0999	-216.398	0.4220827	0	0	0	-0.082280415
cov2_7	7.1056	-216.401	0.4220849	0	0	0	-0.082282256
cov1_6	7.1776	-216.437	0.4188528	0	-0.049186229	0	0
cov1_2	7.2002	-216.448	0.4196684	0	-0.061874931	0	-0.032085332
cov2_9	7.2824	-216.489	0.4177545	0	0	0	-0.070812972
cov1_11	7.3016	-216.499	0.4196789	0	-0.10512834	0	0
cov4_10	7.3238	-216.51	0.4180482	0	0	0	0
cov1_5	7.4038	-216.55	0.4180409	0	-0.10196064	0	0
cov4_6	7.4122	-216.554	0.4204224	0	0	0	0
cov5_9	7.4231	-216.559	0.4156576	0	0	0	0
cov1_4	7.4325	-216.564	0.4190855	0	-0.084872118	0	0
cov6_11	7.4798	-216.588	0.4196407	0	0	0	0
cov5_6	7.4816	-216.589	0.4194446	0	0	0	0
cov2_3	7.6128	-216.654	0.4238906	0	0	0	-0.087246966
cov2_5	7.8785	-216.787	0.4216609	0	0	0	-0.066069871
cov4_9	8.0023	-216.849	0.4184662	0	0	0	0
cov2_11	8.0875	-216.892	0.4210488	0	0	0	-0.080995493
cov2_4	8.0962	-216.896	0.4214575	0	0	0	-0.083169304
cov5_8	8.4052	-217.051	0.4219813	0	0	0	0
cov5_7	8.4142	-217.055	0.4219836	0	0	0	0

cov10_11	8.7649	-217.23	0.4108629	0	0	0	0
cov8_11	9.2645	-217.48	0.4158519	0	0	0	0
cov7_11	9.2665	-217.481	0.415858	0	0	0	0
cov7_10	9.3347	-217.515	0.4121184	0	0	0	0
cov8_10	9.3352	-217.515	0.4121186	0	0	0	0
cov5_11	9.3594	-217.528	0.419718	0	0	0	0
cov9_11	9.3868	-217.541	0.4112449	0	0	0	0
cov4_8	9.3961	-217.546	0.4245315	0	0	0	0
cov4_7	9.4044	-217.55	0.4245328	0	0	0	0
cov4_5	9.4485	-217.572	0.4222968	0	0	0	0
cov3_10	9.4824	-217.589	0.4132819	0	0	0	0
cov3_5	9.4985	-217.597	0.4218089	0	0	0	0
cov4_11	9.6052	-217.651	0.4212334	0	0	0	0
cov9_10	9.8623	-217.779	0.4121068	0	0	0	0
cov8_9	9.9827	-217.839	0.4123983	0	0	0	0
cov7_9	9.9828	-217.839	0.4123979	0	0	0	0
cov3_4	10.1639	-217.93	0.4246093	0	0	0	0
cov3_9	10.2699	-217.983	0.4134228	0	0	0	0
cov3_11	10.485	-218.09	0.4175235	0	0	0	0
cov3_8	12.5787	-219.137	0.4165256	0	0	0	0
cov3_7	12.5799	-219.138	0.4165101	0	0	0	0
cov1_3_10	12.6657	-215.658	0.4174896	0	-0.075005828	0	0
cov1_9_10	12.7062	-215.679	0.4163334	0	-0.079134542	0	0
cov1_8_10	12.7734	-215.712	0.4159889	0	-0.072468902	0	0
cov1_7_10	12.7767	-215.714	0.4159854	0	-0.072434118	0	0
cov3_6_10	12.786	-215.718	0.4179203	0	0	0	0
cov6_7_10	12.8128	-215.732	0.4164822	0	0	0	0
cov6_8_10	12.824	-215.737	0.4164701	0	0	0	0
cov7_8	12.8395	-219.268	0.4184422	0	0	0	0
cov6_9_10	12.8497	-215.75	0.4167972	0	0	0	0
cov5_8_10	12.9103	-215.781	0.4160543	0	0	0	0
cov5_7_10	12.9133	-215.782	0.4160506	0	0	0	0
cov2_3_10	12.9737	-215.812	0.4195679	0	0	0	-0.069869332
cov5_9_10	13.0157	-215.833	0.4162511	0	0	0	0
cov2_8_10	13.0427	-215.847	0.41795	0	0	0	-0.067622445
cov2_7_10	13.0447	-215.848	0.4179466	0	0	0	-0.067598863
cov2_6_7	13.1005	-215.876	0.4211105	0	0	0	-0.038227899
cov2_6_8	13.1063	-215.879	0.4211094	0	0	0	-0.0384701
cov1_8_9	13.1711	-215.911	0.4167217	0	-0.075796676	0	0
cov1_7_9	13.1752	-215.913	0.4167172	0	-0.075759501	0	0
cov6_7_9	13.1898	-215.92	0.4172761	0	0	0	0
cov6_8_9	13.2011	-215.926	0.4172636	0	0	0	0
cov1_3_9	13.2098	-215.93	0.4180549	0	-0.078222526	0	0
cov2_6_10	13.233	-215.942	0.4169756	0	0	0	-0.035574049
cov2_9_10	13.2336	-215.942	0.4182235	0	0	0	-0.071357612
cov3_6_9	13.3114	-215.981	0.418544	0	0	0	0
cov1_6_7	13.3146	-215.983	0.4196571	0	-0.044125777	0	0

cov1_6_8	13.3175	-215.984	0.4196453	0	-0.04483622	0	0
cov2_5_10	13.3182	-215.985	0.4167126	0	0	0	-0.036486406
cov1_2_10	13.3271	-215.989	0.4163078	0	-0.049080418	0	-0.029081383
cov5_6_10	13.3327	-215.992	0.4157814	0	0	0	0
cov1_2_8	13.3474	-215.999	0.4204846	0	-0.058433777	0	-0.033340998
cov1_2_7	13.3538	-216.002	0.4204875	0	-0.058409947	0	-0.033363863
cov3_5_10	13.3588	-216.005	0.4165399	0	0	0	0
cov4_6_10	13.3623	-216.007	0.4173616	0	0	0	0
cov1_6_10	13.3792	-216.015	0.4155379	0	-0.044222735	0	0
cov1_4_10	13.3845	-216.018	0.4165388	0	-0.057203095	0	0
cov1_10_11	13.416	-216.033	0.4162008	0	-0.087828166	0	0
cov1_5_10	13.4284	-216.04	0.4153531	0	-0.048591946	0	0
cov2_8_9	13.4643	-216.058	0.4186158	0	0	0	-0.070298262
cov2_7_9	13.467	-216.059	0.4186115	0	0	0	-0.070273239
cov2_3_6	13.4885	-216.07	0.4230296	0	0	0	-0.040907623
cov2_3_9	13.5392	-216.095	0.4200678	0	0	0	-0.072459579
cov4_6_7	13.5452	-216.098	0.4206765	0	0	0	0
cov5_6_7	13.5453	-216.098	0.4202674	0	0	0	0
cov4_6_8	13.555	-216.103	0.4206875	0	0	0	0
cov5_6_8	13.555	-216.103	0.4202673	0	0	0	0
cov3_6_7	13.5799	-216.115	0.4201477	0	0	0	0
cov6_7_11	13.5806	-216.116	0.4197406	0	0	0	0
cov6_7_8	13.5831	-216.117	0.419897	0	0	0	0
cov3_6_8	13.5906	-216.121	0.4201702	0	0	0	0
cov6_8_11	13.5925	-216.122	0.419727	0	0	0	0
cov1_5_8	13.593	-216.122	0.4189387	0	-0.095795888	0	0
cov5_8_9	13.5989	-216.125	0.4165625	0	0	0	0
cov1_5_7	13.5994	-216.125	0.4189383	0	-0.095857823	0	0
cov1_8_11	13.6001	-216.126	0.4196324	0	-0.09213401	0	0
cov5_7_9	13.6026	-216.127	0.4165581	0	0	0	0
cov1_3_8	13.6038	-216.127	0.4196911	0	-0.087898443	0	0
cov1_7_11	13.607	-216.129	0.4196326	0	-0.092099769	0	0
cov1_3_7	13.6106	-216.131	0.4196923	0	-0.087896699	0	0
cov1_4_8	13.6132	-216.132	0.4193959	0	-0.086297596	0	0
cov1_7_8	13.6136	-216.132	0.4193106	0	-0.087035356	0	0
cov1_4_7	13.62	-216.135	0.4193946	0	-0.086324186	0	0
cov2_6_9	13.6217	-216.136	0.4177269	0	0	0	-0.036691746
cov6_10_11	13.6263	-216.139	0.4160271	0	0	0	0
cov1_3_5	13.6716	-216.161	0.4202413	0	-0.1315831	0	0
cov1_3_6	13.6879	-216.169	0.421389	0	-0.050433462	0	0
cov4_5_10	13.7056	-216.178	0.4159196	0	0	0	0
cov1_2_3	13.7103	-216.181	0.4222502	0	-0.063671747	0	-0.03399479
cov5_10_11	13.7338	-216.192	0.4153138	0	0	0	0
cov1_2_9	13.7411	-216.196	0.4170114	0	-0.051286979	0	-0.03033212
cov2_4_10	13.7528	-216.202	0.4179088	0	0	0	-0.050281324
cov1_6_9	13.7843	-216.218	0.416286	0	-0.045093564	0	0
cov4_9_10	13.7913	-216.221	0.4190957	0	0	0	0



cov4_8_10	13.8039	-216.227	0.4183032	0	0	0
cov4_7_10	13.8069	-216.229	0.4182984	0	0	0
cov1_9_11	13.8362	-216.244	0.416934	0	-0.091831322	0
cov4_6_9	13.8369	-216.244	0.4178915	0	0	0
cov5_6_9	13.861	-216.256	0.4164791	0	0	0
cov1_4_9	13.8625	-216.257	0.4169706	0	-0.063304519	0
cov2_10_11	13.8685	-216.26	0.4170212	0	0	-0.067154841
cov2_5_9	13.8876	-216.269	0.4174493	0	0	-0.042845262
cov2_6_11	13.9067	-216.279	0.4216911	0	0	-0.044779839
cov2_5_8	13.9142	-216.283	0.4224016	0	0	-0.063838861
cov2_5_7	13.921	-216.286	0.4224031	0	0	-0.063884538
cov1_3_11	13.9285	-216.29	0.4215441	0	-0.10264791	0
cov1_5_9	13.9343	-216.293	0.4159449	0	-0.064031203	0
cov1_3_4	13.9615	-216.306	0.4204431	0	-0.099444163	0
cov1_2_6	13.9945	-216.323	0.4199444	0	-0.024104387	-0.030874178
cov3_4_6	14.0345	-216.343	0.4218743	0	0	0
cov2_4_6	14.0356	-216.343	0.4198613	0	0	-0.044444091
cov1_6_11	14.0363	-216.344	0.420128	0	-0.063952035	0
cov3_5_6	14.0369	-216.344	0.4215735	0	0	0
cov6_9_11	14.0369	-216.344	0.4168071	0	0	0
cov3_6_11	14.0388	-216.345	0.4217234	0	0	0
cov2_8_11	14.0389	-216.345	0.4209412	0	0	-0.071576597
cov2_7_11	14.044	-216.347	0.4209408	0	0	-0.071542907
cov2_5_6	14.0489	-216.35	0.4202691	0	0	-0.040313205
cov1_2_11	14.0651	-216.358	0.4210217	0	-0.077494733	-0.034405283
cov3_4_10	14.0867	-216.369	0.4188852	0	0	0
cov2_4_8	14.129	-216.39	0.4216766	0	0	-0.088151078
cov2_4_7	14.1343	-216.393	0.4216745	0	0	-0.088219648
cov2_3_8	14.1441	-216.398	0.4221897	0	0	-0.082486006
cov2_7_8	14.1447	-216.398	0.4220831	0	0	-0.082279559
cov2_3_7	14.1499	-216.4	0.4221853	0	0	-0.082475437
cov3_5_9	14.1727	-216.412	0.416855	0	0	0
cov1_5_6	14.1822	-216.417	0.4183533	0	-0.061579853	0
cov1_2_5	14.1946	-216.423	0.4191352	0	-0.075100891	-0.032593303
cov1_4_6	14.2119	-216.431	0.4193199	0	-0.045543275	0
cov1_2_4	14.2226	-216.437	0.4190996	0	-0.063609896	-0.037701456
cov2_4_9	14.2567	-216.454	0.4183595	0	0	-0.056962916
cov4_10_11	14.2584	-216.455	0.4169619	0	0	0
cov1_5_11	14.3045	-216.478	0.4191604	0	-0.11752785	0
cov2_9_11	14.3265	-216.489	0.4176593	0	0	-0.069949244
cov1_4_5	14.3331	-216.492	0.4193058	0	-0.10299706	0
cov1_4_11	14.3333	-216.492	0.4201856	0	-0.10074533	0
cov4_6_11	14.4055	-216.528	0.4212052	0	0	0
cov4_5_9	14.4271	-216.539	0.4164981	0	0	0
cov4_8_9	14.4504	-216.551	0.418733	0	0	0
cov4_5_6	14.452	-216.551	0.420541	0	0	0
cov4_7_9	14.454	-216.552	0.4187274	0	0	0

cov5_9_11	14.468	-216.559	0.4156393	0	0	0	0
cov5_6_11	14.4736	-216.562	0.4202163	0	0	0	0
cov7_10_11	14.4784	-216.565	0.4117877	0	0	0	0
cov8_10_11	14.4807	-216.566	0.4117869	0	0	0	0
cov2_3_4	14.5534	-216.602	0.4232377	0	0	0	-0.10471801
cov2_3_5	14.5812	-216.616	0.423779	0	0	0	-0.075752093
cov2_3_11	14.603	-216.627	0.4231776	0	0	0	-0.079898222
cov3_10_11	14.6371	-216.644	0.4131904	0	0	0	0
cov2_4_5	14.7743	-216.713	0.4200871	0	0	0	-0.076925156
cov3_4_9	14.8338	-216.742	0.419191	0	0	0	0
cov4_9_11	14.9118	-216.781	0.4172996	0	0	0	0
cov2_5_11	14.9194	-216.785	0.4219215	0	0	0	-0.067341119
cov3_5_8	14.9305	-216.791	0.4192761	0	0	0	0
cov3_5_7	14.9345	-216.793	0.4192592	0	0	0	0
cov7_9_11	15.036	-216.843	0.4122356	0	0	0	0
cov8_9_11	15.0377	-216.844	0.4122353	0	0	0	0
cov5_8_11	15.0506	-216.851	0.4197314	0	0	0	0
cov5_7_11	15.0576	-216.854	0.4197283	0	0	0	0
cov2_4_11	15.1322	-216.892	0.4211009	0	0	0	-0.080320568
cov9_10_11	15.2321	-216.941	0.4115441	0	0	0	0
cov3_9_11	15.3886	-217.02	0.4134846	0	0	0	0
cov4_5_8	15.4451	-217.048	0.4222332	0	0	0	0
cov5_7_8	15.4501	-217.051	0.4219808	0	0	0	0
cov4_5_7	15.4542	-217.053	0.4222347	0	0	0	0
cov4_8_11	15.4545	-217.053	0.4203911	0	0	0	0
cov4_7_11	15.4607	-217.056	0.4203862	0	0	0	0
cov3_4_8	15.9679	-217.309	0.4220654	0	0	0	0
cov3_4_7	15.9733	-217.312	0.4220503	0	0	0	0
cov7_9_10	16.022	-217.336	0.4127375	0	0	0	0
cov8_9_10	16.0223	-217.337	0.4127373	0	0	0	0
cov3_9_10	16.1624	-217.407	0.4139124	0	0	0	0
cov3_5_11	16.2782	-217.465	0.4204642	0	0	0	0
cov3_8_11	16.2896	-217.47	0.4153787	0	0	0	0
cov3_7_11	16.29	-217.47	0.4153642	0	0	0	0
cov7_8_11	16.3071	-217.479	0.4158559	0	0	0	0
cov3_8_10	16.3074	-217.479	0.4127205	0	0	0	0
cov3_7_10	16.3085	-217.48	0.4127159	0	0	0	0
cov4_5_11	16.3178	-217.484	0.4207969	0	0	0	0
cov7_8_10	16.3783	-217.515	0.4121194	0	0	0	0
cov4_7_8	16.4406	-217.546	0.4245312	0	0	0	0
cov3_4_5	16.4775	-217.564	0.4226621	0	0	0	0
cov3_4_11	16.5055	-217.578	0.4217634	0	0	0	0
cov3_8_9	17.0007	-217.826	0.412764	0	0	0	0
cov3_7_9	17.0018	-217.826	0.4127576	0	0	0	0
cov7_8_9	17.0261	-217.839	0.4123995	0	0	0	0
cov1_3_9_10	18.8546	-215.23	0.4187735	0	-0.080621799	0	0
cov1_8_9_10	18.9952	-215.301	0.417213	0	-0.077949941	0	0

cov3_6_9_10	18.9983	-215.302	0.4192481	0	0	0
cov1_7_9_10	18.9991	-215.303	0.4172091	0	-0.077913848	0
cov6_7_9_10	19.0517	-215.329	0.4177585	0	0	0
cov6_8_9_10	19.0633	-215.335	0.4177449	0	0	0
cov5_8_9_10	19.2294	-215.418	0.4171745	0	0	0
cov5_7_9_10	19.2329	-215.419	0.4171705	0	0	0
cov2_3_9_10	19.3546	-215.48	0.4207548	0	0	-0.073180253
cov2_3_6_10	19.3763	-215.491	0.4194726	0	0	-0.03715567
cov2_8_9_10	19.4462	-215.526	0.4190864	0	0	-0.070846924
cov2_7_9_10	19.4485	-215.527	0.419083	0	0	-0.07082235
cov2_6_7_10	19.453	-215.53	0.4178663	0	0	-0.035035543
cov2_6_8_10	19.4589	-215.532	0.417866	0	0	-0.035262173
cov1_2_3_10	19.4812	-215.544	0.4187756	0	-0.048852576	-0.030977176
cov2_6_9_10	19.4862	-215.546	0.4181754	0	0	-0.035196957
cov2_5_8_10	19.5439	-215.575	0.4175897	0	0	-0.036190203
cov2_5_7_10	19.5468	-215.576	0.4175864	0	0	-0.036194171
cov5_6_7_10	19.5519	-215.579	0.4166942	0	0	0
cov1_3_6_10	19.5525	-215.579	0.4179037	0	-0.044827908	0
cov5_6_8_10	19.5568	-215.581	0.4166874	0	0	0
cov5_6_9_10	19.5645	-215.585	0.4169983	0	0	0
cov1_2_9_10	19.5766	-215.591	0.4173877	0	-0.056217782	-0.027011354
cov1_6_9_10	19.5794	-215.593	0.4167632	0	-0.047740805	0
cov1_2_8_10	19.5965	-215.601	0.417204	0	-0.046726229	-0.030446747
cov1_2_7_10	19.5995	-215.603	0.4172011	0	-0.04667604	-0.030464178
cov3_7_8	19.6198	-219.135	0.4165167	0	0	0
cov4_6_9_10	19.6198	-215.613	0.4185268	0	0	0
cov1_3_8_10	19.6231	-215.615	0.4171241	0	-0.073994785	0
cov1_3_7_10	19.6262	-215.616	0.4171259	0	-0.073989316	0
cov1_4_9_10	19.628	-215.617	0.4175906	0	-0.063900048	0
cov2_5_9_10	19.628	-215.617	0.4178317	0	0	-0.037116561
cov1_6_7_10	19.6382	-215.622	0.4164362	0	-0.039865483	0
cov1_6_8_10	19.6417	-215.624	0.4164275	0	-0.040532189	0
cov1_9_10_11	19.6524	-215.629	0.4173048	0	-0.092304718	0
cov1_5_9_10	19.6617	-215.634	0.4165074	0	-0.055519959	0
cov3_5_9_10	19.688	-215.647	0.4176216	0	0	0
cov4_6_7_10	19.6914	-215.649	0.417764	0	0	0
cov1_3_10_11	19.6918	-215.649	0.417849	0	-0.080869125	0
cov1_5_8_10	19.6949	-215.65	0.4162176	0	-0.044737172	0
cov1_5_7_10	19.6982	-215.652	0.4162151	0	-0.0447077	0
cov4_6_8_10	19.6984	-215.652	0.417766	0	0	0
cov3_6_7_10	19.7019	-215.654	0.4174888	0	0	0
cov1_3_4_10	19.7059	-215.656	0.4176893	0	-0.071841986	0
cov3_6_8_10	19.7066	-215.656	0.417498	0	0	0
cov1_3_5_10	19.7091	-215.658	0.4174998	0	-0.078301134	0
cov3_5_6_10	19.7327	-215.669	0.4178287	0	0	0
cov1_4_8_10	19.745	-215.676	0.4169176	0	-0.060726163	0
cov1_4_7_10	19.7486	-215.677	0.4169122	0	-0.06071185	0

cov2_3_5_10	19.7515	-215.679	0.4189514	0	0	0	-0.046814247
cov3_4_6_10	19.7623	-215.684	0.4186271	0	0	0	0
cov2_6_7_9	19.8045	-215.705	0.4186718	0	0	0	-0.036119987
cov1_8_10_11	19.8098	-215.708	0.4162543	0	-0.076554637	0	0
cov2_6_8_9	19.8103	-215.708	0.4186712	0	0	0	-0.036351214
cov1_7_10_11	19.8133	-215.71	0.4162473	0	-0.076469215	0	0
cov1_7_8_10	19.8181	-215.712	0.415989	0	-0.072460816	0	0
cov3_6_10_11	19.8295	-215.718	0.4178281	0	0	0	0
cov6_7_10_11	19.8529	-215.729	0.4162976	0	0	0	0
cov6_7_8_10	19.8566	-215.731	0.4164838	0	0	0	0
cov6_8_10_11	19.864	-215.735	0.4162837	0	0	0	0
cov2_3_6_9	19.8746	-215.74	0.420106	0	0	0	-0.038248728
cov6_9_10_11	19.8801	-215.743	0.4171443	0	0	0	0
cov2_3_8_10	19.906	-215.756	0.4191069	0	0	0	-0.068974632
cov2_3_7_10	19.9087	-215.757	0.4191057	0	0	0	-0.068966597
cov5_8_10_11	19.9268	-215.766	0.4156495	0	0	0	0
cov5_7_10_11	19.9294	-215.768	0.4156431	0	0	0	0
cov3_5_8_10	19.9528	-215.779	0.4159507	0	0	0	0
cov5_7_8_10	19.9549	-215.78	0.4160544	0	0	0	0
cov4_5_8_10	19.9552	-215.781	0.4160541	0	0	0	0
cov3_5_7_10	19.9556	-215.781	0.4159423	0	0	0	0
cov4_5_7_10	19.9582	-215.782	0.4160481	0	0	0	0
cov2_3_10_11	19.9732	-215.79	0.4189181	0	0	0	-0.063233825
cov1_2_8_9	19.9757	-215.791	0.4179531	0	-0.048949818	0	-0.031679491
cov1_2_7_9	19.9796	-215.793	0.4179492	0	-0.048896266	0	-0.03169794
cov1_2_3_9	20.006	-215.806	0.4193593	0	-0.050933177	0	-0.032248347
cov1_6_7_9	20.0065	-215.806	0.4172378	0	-0.040676084	0	0
cov1_6_8_9	20.0099	-215.808	0.4172288	0	-0.04135771	0	0
cov2_3_4_10	20.0161	-215.811	0.4195023	0	0	0	-0.072832668
cov2_8_10_11	20.0268	-215.816	0.4171495	0	0	0	-0.05976238
cov2_7_10_11	20.0283	-215.817	0.4171425	0	0	0	-0.059701264
cov5_6_7_9	20.0382	-215.822	0.4174424	0	0	0	0
cov4_5_9_10	20.0393	-215.823	0.4168598	0	0	0	0
cov5_6_8_9	20.0443	-215.825	0.4174337	0	0	0	0
cov2_4_8_10	20.0523	-215.829	0.4183346	0	0	0	-0.05767318
cov2_4_7_10	20.0547	-215.83	0.4183294	0	0	0	-0.057701218
cov5_9_10_11	20.0605	-215.833	0.4162436	0	0	0	0
cov1_3_6_9	20.0691	-215.838	0.4185343	0	-0.045577682	0	0
cov2_4_6_7	20.0706	-215.838	0.4201539	0	0	0	-0.049453539
cov2_5_8_9	20.0734	-215.84	0.4183655	0	0	0	-0.042465504
cov2_5_7_9	20.077	-215.842	0.4183611	0	0	0	-0.04247002
cov2_4_6_8	20.078	-215.842	0.420164	0	0	0	-0.049575856
cov2_7_8_10	20.087	-215.847	0.41795	0	0	0	-0.067613768
cov1_3_8_9	20.1035	-215.855	0.4175859	0	-0.076927763	0	0
cov1_3_7_9	20.1076	-215.857	0.4175852	0	-0.076912916	0	0
cov1_2_6_7	20.1131	-215.86	0.4208113	0	-0.017991294	0	-0.032099512
cov4_6_7_9	20.1146	-215.86	0.4183486	0	0	0	0

cov1_2_6_8	20.1161	-215.861	0.4207971	0	-0.018722128	0	-0.032090192
cov4_6_8_9	20.1223	-215.864	0.4183546	0	0	0	0
cov2_6_7_11	20.1268	-215.866	0.4215705	0	0	0	-0.040360048
cov2_3_6_7	20.1319	-215.869	0.4215832	0	0	0	-0.038707441
cov2_6_8_11	20.1326	-215.869	0.4215685	0	0	0	-0.040589655
cov2_3_6_8	20.1362	-215.871	0.4216053	0	0	0	-0.038944811
cov2_5_6_7	20.144	-215.875	0.4210582	0	0	0	-0.038974361
cov2_6_7_8	20.1454	-215.876	0.4211109	0	0	0	-0.038244934
cov2_5_6_8	20.15	-215.878	0.4210662	0	0	0	-0.039129129
cov3_6_7_9	20.1513	-215.879	0.4180147	0	0	0	0
cov2_4_9_10	20.1545	-215.88	0.4190223	0	0	0	-0.052965445
cov3_6_8_9	20.1576	-215.882	0.4180244	0	0	0	0
cov2_5_6_10	20.1623	-215.884	0.4167915	0	0	0	-0.027715606
cov2_6_10_11	20.1648	-215.885	0.418216	0	0	0	-0.040640964
cov1_4_8_9	20.1752	-215.891	0.4174022	0	-0.066984847	0	0
cov1_5_8_9	20.1759	-215.891	0.4168482	0	-0.060017934	0	0
cov1_4_7_9	20.1796	-215.893	0.4173964	0	-0.0669643	0	0
cov1_5_7_9	20.1801	-215.893	0.4168435	0	-0.059987995	0	0
cov1_8_9_11	20.2052	-215.906	0.4170169	0	-0.080375669	0	0
cov1_7_9_11	20.2096	-215.908	0.4170093	0	-0.080293644	0	0
cov1_7_8_9	20.2159	-215.911	0.4167218	0	-0.075790953	0	0
cov1_3_5_9	20.2209	-215.913	0.4181138	0	-0.093992736	0	0
cov1_3_9_11	20.2256	-215.916	0.4184977	0	-0.085500079	0	0
cov1_2_10_11	20.2297	-215.918	0.4175709	0	-0.063218586	0	-0.031204143
cov6_7_9_11	20.2311	-215.919	0.417119	0	0	0	0
cov1_2_6_10	20.2322	-215.919	0.4166594	0	-0.021321816	0	-0.02832671
cov6_7_8_9	20.2336	-215.92	0.4172778	0	0	0	0
cov6_8_9_11	20.2424	-215.924	0.4171045	0	0	0	0
cov2_4_6_10	20.2494	-215.928	0.4173929	0	0	0	-0.02808978
cov2_3_4_6	20.2517	-215.929	0.4217912	0	0	0	-0.065852001
cov1_3_4_9	20.2543	-215.93	0.4181071	0	-0.077365067	0	0
cov2_9_10_11	20.2688	-215.937	0.4178862	0	0	0	-0.068327523
cov4_8_9_10	20.2776	-215.942	0.4193678	0	0	0	0
cov4_7_9_10	20.2809	-215.943	0.4193629	0	0	0	0
cov1_6_10_11	20.2812	-215.944	0.4167304	0	-0.057286331	0	0
cov1_2_5_10	20.289	-215.948	0.4164308	0	-0.027379237	0	-0.027816021
cov5_6_10_11	20.2929	-215.949	0.4166937	0	0	0	0
cov1_4_6_10	20.2983	-215.952	0.4168234	0	-0.030729395	0	0
cov2_5_10_11	20.303	-215.954	0.4175776	0	0	0	-0.040647192
cov3_4_6_9	20.3085	-215.957	0.4191213	0	0	0	0
cov3_5_6_9	20.3116	-215.959	0.4184751	0	0	0	0
cov1_2_4_8	20.3135	-215.96	0.4194762	0	-0.061566576	0	-0.043988436
cov1_2_4_7	20.3192	-215.963	0.419475	0	-0.061554097	0	-0.044062484
cov1_4_10_11	20.3222	-215.964	0.4175226	0	-0.071338517	0	0
cov1_6_7_11	20.3326	-215.969	0.420111	0	-0.050249523	0	0
cov2_4_5_10	20.3338	-215.97	0.416122	0	0	0	-0.042064525
cov1_6_8_11	20.3349	-215.97	0.420106	0	-0.050978903	0	0

cov1_5_6_10	20.3379	-215.972	0.415699	0	-0.022461531	0	0
cov4_5_6_10	20.3389	-215.972	0.4166265	0	0	0	0
cov1_5_6_7	20.3409	-215.973	0.4192989	0	-0.052611846	0	0
cov1_2_4_10	20.344	-215.975	0.4167519	0	-0.046280964	0	-0.022302289
cov1_5_6_8	20.344	-215.975	0.4192889	0	-0.053277555	0	0
cov1_3_6_7	20.3476	-215.977	0.420079	0	-0.044922358	0	0
cov1_3_6_8	20.3494	-215.978	0.4200868	0	-0.045586131	0	0
cov3_6_9_11	20.3563	-215.981	0.4185275	0	0	0	0
cov4_6_10_11	20.357	-215.982	0.4181248	0	0	0	0
cov1_6_7_8	20.359	-215.983	0.4196548	0	-0.044312225	0	0
cov1_4_6_7	20.3595	-215.983	0.4196531	0	-0.044157245	0	0
cov1_4_6_8	20.3624	-215.984	0.4196487	0	-0.044809112	0	0
cov1_5_10_11	20.3639	-215.985	0.4163797	0	-0.063018858	0	0
cov1_2_5_8	20.3664	-215.986	0.4200855	0	-0.067970481	0	-0.033689595
cov1_2_8_11	20.3671	-215.987	0.4209619	0	-0.064707513	0	-0.034183765
cov3_5_10_11	20.3719	-215.989	0.4161829	0	0	0	0
cov1_2_5_7	20.3724	-215.989	0.4200856	0	-0.068010507	0	-0.033714704
cov1_2_7_11	20.3737	-215.99	0.4209619	0	-0.064657473	0	-0.034200862
cov1_2_3_8	20.3785	-215.992	0.4209469	0	-0.059225412	0	-0.033614426
cov1_2_3_7	20.385	-215.996	0.4209481	0	-0.059206476	0	-0.033633171
cov2_3_5_9	20.3852	-215.996	0.4195735	0	0	0	-0.052741955
cov1_2_7_8	20.3923	-215.999	0.4204846	0	-0.058433912	0	-0.033340923
cov3_4_5_10	20.3982	-216.002	0.4168273	0	0	0	0
cov2_3_5_6	20.4016	-216.004	0.4230178	0	0	0	-0.048859672
cov2_3_8_9	20.4036	-216.005	0.4194981	0	0	0	-0.071333674
cov1_2_3_5	20.4043	-216.005	0.4215671	0	-0.10290427	0	-0.036192989
cov2_3_7_9	20.4069	-216.006	0.4194945	0	0	0	-0.071319063
cov1_3_5_6	20.4153	-216.011	0.420628	0	-0.089296204	0	0
cov1_4_5_10	20.4197	-216.013	0.4163229	0	-0.050640825	0	0
cov2_8_9_11	20.4474	-216.027	0.4178345	0	0	0	-0.062431009
cov2_7_9_11	20.4496	-216.028	0.4178272	0	0	0	-0.062371612
cov1_2_3_4	20.46	-216.033	0.4209125	0	-0.071413751	0	-0.057573103
cov2_3_6_11	20.4739	-216.04	0.4237395	0	0	0	-0.044491006
cov1_2_3_6	20.4764	-216.041	0.4226288	0	-0.023857315	0	-0.032761618
cov2_4_8_9	20.4973	-216.052	0.418839	0	0	0	-0.064542066
cov2_4_7_9	20.5002	-216.053	0.4188325	0	0	0	-0.064569101
cov2_7_8_9	20.5087	-216.057	0.4186157	0	0	0	-0.070290498
cov4_8_10_11	20.5378	-216.072	0.4165546	0	0	0	0
cov2_6_9_11	20.5395	-216.073	0.4190304	0	0	0	-0.042043608
cov4_7_10_11	20.5398	-216.073	0.4165459	0	0	0	0
cov2_3_9_11	20.5462	-216.076	0.4194935	0	0	0	-0.066448977
cov3_4_9_10	20.5593	-216.083	0.4199359	0	0	0	0
cov2_3_4_9	20.5718	-216.089	0.4199261	0	0	0	-0.078908743
cov1_3_5_8	20.5754	-216.091	0.4196337	0	-0.11149972	0	0
cov1_3_5_7	20.5812	-216.094	0.4196392	0	-0.11174383	0	0
cov4_5_6_7	20.5841	-216.095	0.4205638	0	0	0	0
cov3_5_6_7	20.5892	-216.098	0.4201574	0	0	0	0

cov4_6_7_11	20.5895	-216.098	0.42059	0	0	0	0
cov4_6_7_8	20.5897	-216.098	0.4206742	0	0	0	0
cov5_8_9_11	20.5897	-216.098	0.4160219	0	0	0	0
cov5_6_7_8	20.5899	-216.098	0.4202662	0	0	0	0
cov5_6_7_11	20.59	-216.098	0.4202227	0	0	0	0
cov3_4_6_7	20.5901	-216.098	0.4206632	0	0	0	0
cov5_7_9_11	20.5929	-216.099	0.4160151	0	0	0	0
cov4_5_6_8	20.5935	-216.1	0.4205705	0	0	0	0
cov2_4_5_8	20.5985	-216.102	0.4201278	0	0	0	-0.080787949
cov3_5_6_8	20.5993	-216.103	0.4201789	0	0	0	0
cov4_6_8_11	20.5993	-216.103	0.4205999	0	0	0	0
cov5_6_8_11	20.5998	-216.103	0.4202248	0	0	0	0
cov3_4_6_8	20.5999	-216.103	0.4206918	0	0	0	0
cov2_4_5_7	20.6041	-216.105	0.4201254	0	0	0	-0.080868557
cov1_4_5_8	20.6134	-216.11	0.4194803	0	-0.096497774	0	0
cov3_5_8_9	20.6145	-216.11	0.4162107	0	0	0	0
cov3_5_7_9	20.6174	-216.112	0.4162	0	0	0	0
cov1_4_5_7	20.6199	-216.113	0.4194794	0	-0.096559295	0	0
cov2_5_6_9	20.6209	-216.113	0.4176175	0	0	0	-0.03182026
cov3_6_7_11	20.6211	-216.114	0.4199943	0	0	0	0
cov1_2_6_9	20.6214	-216.114	0.4174221	0	-0.021244211	0	-0.029479737
cov3_6_7_8	20.6239	-216.115	0.420148	0	0	0	0
cov1_5_8_11	20.624	-216.115	0.419261	0	-0.10109107	0	0
cov6_7_8_11	20.6247	-216.115	0.4197453	0	0	0	0
cov1_2_9_11	20.6297	-216.118	0.4183279	0	-0.066086701	0	-0.032534445
cov1_5_7_11	20.6306	-216.118	0.4192575	0	-0.10112115	0	0
cov3_6_8_11	20.6317	-216.119	0.4200146	0	0	0	0
cov1_3_8_11	20.6355	-216.121	0.4200057	0	-0.092935577	0	0
cov1_5_7_8	20.6379	-216.122	0.4189387	0	-0.09579546	0	0
cov1_3_7_11	20.6424	-216.124	0.4200069	0	-0.092920539	0	0
cov4_5_8_9	20.6433	-216.125	0.4166512	0	0	0	0
cov5_7_8_9	20.6436	-216.125	0.4165627	0	0	0	0
cov1_4_8_11	20.6446	-216.125	0.4197278	0	-0.091332227	0	0
cov1_7_8_11	20.645	-216.126	0.4196328	0	-0.092149003	0	0
cov4_5_7_9	20.6471	-216.127	0.4166444	0	0	0	0
cov1_3_4_8	20.6482	-216.127	0.4196203	0	-0.088969473	0	0
cov1_3_7_8	20.6486	-216.127	0.4196945	0	-0.087912317	0	0
cov1_3_6_11	20.6487	-216.127	0.4220585	0	-0.060464603	0	0
cov1_4_7_11	20.6515	-216.129	0.4197245	0	-0.091325448	0	0
cov1_3_4_7	20.655	-216.131	0.4196197	0	-0.088998378	0	0
cov1_4_7_8	20.6581	-216.132	0.4193949	0	-0.086296686	0	0
cov2_4_6_9	20.6604	-216.133	0.4179209	0	0	0	-0.033205287
cov1_3_4_5	20.6683	-216.137	0.4209663	0	-0.13122426	0	0
cov4_9_10_11	20.6703	-216.138	0.417798	0	0	0	0
cov1_6_9_11	20.6709	-216.138	0.4175357	0	-0.058842096	0	0
cov1_2_3_11	20.6754	-216.141	0.4229671	0	-0.074149829	0	-0.035422002
cov1_3_5_11	20.6829	-216.144	0.4206868	0	-0.13785339	0	0

cov1_3_4_6	20.6985	-216.152	0.4207349	0	-0.05763389	0	0
cov1_4_6_9	20.7477	-216.177	0.4173072	0	-0.034160756	0	0
cov4_5_10_11	20.749	-216.178	0.4160123	0	0	0	0
cov1_2_5_9	20.7674	-216.187	0.4170705	0	-0.041000278	0	-0.02979532
cov1_2_4_9	20.7799	-216.193	0.4172181	0	-0.049947743	0	-0.027188407
cov1_4_9_11	20.7872	-216.197	0.4180075	0	-0.078207609	0	0
cov2_4_10_11	20.7974	-216.202	0.4178528	0	0	0	-0.049838644
cov1_5_6_9	20.8102	-216.208	0.4163594	0	-0.03488434	0	0
cov1_2_6_11	20.8168	-216.211	0.421453	0	-0.038281608	0	-0.033362036
cov5_6_9_11	20.8265	-216.216	0.4173515	0	0	0	0
cov4_6_9_11	20.8276	-216.217	0.4186784	0	0	0	0
cov3_4_10_11	20.8319	-216.219	0.4173181	0	0	0	0
cov4_7_8_10	20.8487	-216.227	0.4183028	0	0	0	0
cov3_4_8_10	20.8488	-216.227	0.4183041	0	0	0	0
cov3_4_7_10	20.8518	-216.229	0.4182976	0	0	0	0
cov4_5_6_9	20.8553	-216.231	0.4174391	0	0	0	0
cov1_5_9_11	20.8557	-216.231	0.4170252	0	-0.079182806	0	0
cov2_5_9_11	20.8839	-216.245	0.4182124	0	0	0	-0.046554873
cov2_4_5_9	20.889	-216.248	0.4167422	0	0	0	-0.049657316
cov7_9_10_11	20.8953	-216.251	0.4125677	0	0	0	0
cov8_9_10_11	20.8974	-216.252	0.4125662	0	0	0	0
cov1_4_5_9	20.9054	-216.256	0.4170669	0	-0.066265724	0	0
cov2_3_5_8	20.9245	-216.265	0.4216049	0	0	0	-0.059035867
cov2_5_8_11	20.9288	-216.267	0.4217084	0	0	0	-0.060143816
cov2_3_5_7	20.9306	-216.268	0.4215961	0	0	0	-0.059017497
cov2_4_6_11	20.9311	-216.269	0.421179	0	0	0	-0.050691859
cov2_5_7_11	20.9351	-216.271	0.4217062	0	0	0	-0.060162774
cov2_5_6_11	20.9516	-216.279	0.4216831	0	0	0	-0.044856921
cov1_3_4_11	20.9534	-216.28	0.4210307	0	-0.10827564	0	0
cov2_5_7_8	20.9591	-216.283	0.4224019	0	0	0	-0.063839657
cov1_2_5_6	20.992	-216.299	0.4194231	0	-0.037159152	0	-0.031372351
cov1_2_4_6	21.0147	-216.31	0.4193369	0	-0.025755523	0	-0.036759286
cov3_9_10_11	21.0413	-216.324	0.4140003	0	0	0	0
cov1_5_6_11	21.0421	-216.324	0.4196207	0	-0.076109686	0	0
cov3_4_5_6	21.0539	-216.33	0.4221668	0	0	0	0
cov1_2_5_11	21.0601	-216.333	0.4204839	0	-0.090623859	0	-0.034904638
cov2_4_8_11	21.0621	-216.334	0.4204311	0	0	0	-0.078150488
cov2_4_7_11	21.0666	-216.336	0.4204246	0	0	0	-0.078191223
cov1_4_6_11	21.0719	-216.339	0.4205624	0	-0.060492664	0	0
cov3_4_6_11	21.0755	-216.341	0.4220604	0	0	0	0
cov1_2_4_11	21.0786	-216.342	0.4203863	0	-0.079960647	0	-0.041115155
cov2_4_5_6	21.0791	-216.343	0.4197894	0	0	0	-0.044889267
cov3_5_6_11	21.0811	-216.344	0.4216386	0	0	0	0
cov2_3_8_11	21.0817	-216.344	0.4211202	0	0	0	-0.071848232
cov2_7_8_11	21.0835	-216.345	0.4209409	0	0	0	-0.071559807
cov2_3_7_11	21.087	-216.347	0.4211112	0	0	0	-0.071805789
cov1_4_5_6	21.129	-216.367	0.4195405	0	-0.063820577	0	0



cov4_8_9_11	21.1326	-216.369	0.4169139	0	0	0	0
cov4_7_9_11	21.1351	-216.371	0.4169049	0	0	0	0
cov2_3_4_8	21.1644	-216.385	0.4219622	0	0	0	-0.091478725
cov2_3_4_7	21.17	-216.388	0.4219589	0	0	0	-0.091508131
cov3_5_9_11	21.1727	-216.389	0.4164462	0	0	0	0
cov2_4_7_8	21.1737	-216.39	0.4216764	0	0	0	-0.088164599
cov2_3_7_8	21.189	-216.398	0.422188	0	0	0	-0.082481248
cov3_4_5_9	21.2042	-216.405	0.417297	0	0	0	0
cov2_3_4_5	21.2306	-216.418	0.4219466	0	0	0	-0.098472078
cov1_2_4_5	21.2389	-216.422	0.4192119	0	-0.076295778	0	-0.031263676
cov1_4_5_11	21.2392	-216.423	0.4203714	0	-0.11824755	0	0
cov2_4_9_11	21.3014	-216.454	0.4183101	0	0	0	-0.056567912
cov3_8_10_11	21.3774	-216.492	0.4126267	0	0	0	0
cov3_7_10_11	21.3782	-216.492	0.4126182	0	0	0	0
cov4_5_6_11	21.4496	-216.528	0.4212298	0	0	0	0
cov4_5_9_11	21.4716	-216.539	0.4164551	0	0	0	0
cov3_4_8_9	21.4822	-216.544	0.4185281	0	0	0	0
cov3_4_7_9	21.4854	-216.546	0.4185189	0	0	0	0
cov4_7_8_9	21.4953	-216.551	0.4187325	0	0	0	0
cov2_3_4_11	21.5202	-216.563	0.4222973	0	0	0	-0.097891782
cov7_8_10_11	21.5219	-216.564	0.4117888	0	0	0	0
cov3_4_9_11	21.5659	-216.586	0.4176482	0	0	0	0
cov2_3_5_11	21.6088	-216.607	0.4233623	0	0	0	-0.073690364
cov2_4_5_11	21.79	-216.698	0.420631	0	0	0	-0.081791464
cov3_5_8_11	21.8157	-216.711	0.4183662	0	0	0	0
cov3_5_7_11	21.8189	-216.712	0.4183473	0	0	0	0
cov3_4_5_8	21.9684	-216.787	0.4195673	0	0	0	0
cov3_5_7_8	21.9721	-216.789	0.4192617	0	0	0	0
cov3_4_5_7	21.9726	-216.789	0.4195467	0	0	0	0
cov3_8_9_11	22.0069	-216.806	0.4128376	0	0	0	0
cov3_7_9_11	22.0077	-216.807	0.4128297	0	0	0	0
cov7_8_9_11	22.0791	-216.843	0.4122371	0	0	0	0
cov4_5_8_11	22.0904	-216.848	0.4199841	0	0	0	0
cov5_7_8_11	22.0953	-216.851	0.4197307	0	0	0	0
cov4_5_7_11	22.0975	-216.852	0.4199826	0	0	0	0
cov3_4_8_11	22.3411	-216.974	0.4194823	0	0	0	0
cov3_4_7_11	22.3446	-216.975	0.419463	0	0	0	0
cov4_5_7_8	22.49	-217.048	0.4222331	0	0	0	0
cov4_7_8_11	22.4992	-217.053	0.4203895	0	0	0	0
cov3_8_9_10	22.9903	-217.298	0.4133597	0	0	0	0
cov3_7_9_10	22.9916	-217.299	0.4133554	0	0	0	0
cov3_4_7_8	23.0112	-217.309	0.4220534	0	0	0	0
cov7_8_9_10	23.0655	-217.336	0.412736	0	0	0	0
cov3_4_5_11	23.2621	-217.434	0.4212967	0	0	0	0
cov3_7_8_11	23.3308	-217.468	0.4153557	0	0	0	0
cov3_7_8_10	23.352	-217.479	0.4127174	0	0	0	0
cov3_7_8_9	24.045	-217.826	0.4127594	0	0	0	0

cov2_3_6_9_10	25.5971	-215.079	0.4207881	0	0	0	-0.03680259
cov1_2_3_9_10	25.7	-215.131	0.4199646	0	-0.05612329	0	-0.028904775
cov2_6_7_9_10	25.7004	-215.131	0.4191274	0	0	0	-0.034657882
cov2_6_8_9_10	25.7069	-215.134	0.4191259	0	0	0	-0.034885436
cov1_3_6_9_10	25.7189	-215.14	0.4192479	0	-0.048427281	0	0
cov5_6_7_9_10	25.7782	-215.17	0.4179737	0	0	0	0
cov5_6_8_9_10	25.7834	-215.172	0.4179658	0	0	0	0
cov1_3_8_9_10	25.8223	-215.192	0.4184334	0	-0.079639796	0	0
cov1_3_7_9_10	25.8256	-215.193	0.4184355	0	-0.079637398	0	0
cov1_6_7_9_10	25.837	-215.199	0.4177213	0	-0.043383741	0	0
cov1_6_8_9_10	25.8404	-215.201	0.417712	0	-0.04405112	0	0
cov1_2_8_9_10	25.8476	-215.204	0.4183363	0	-0.053859212	0	-0.02838089
cov2_5_8_9_10	25.8484	-215.205	0.4187633	0	0	0	-0.036825016
cov1_2_7_9_10	25.8512	-215.206	0.418333	0	-0.053807238	0	-0.028398828
cov2_5_7_9_10	25.8518	-215.206	0.4187593	0	0	0	-0.036828886
cov1_3_9_10_11	25.8876	-215.224	0.4190596	0	-0.085280985	0	0
cov1_3_5_9_10	25.8951	-215.228	0.4187947	0	-0.086341867	0	0
cov1_3_4_9_10	25.8987	-215.23	0.4188576	0	-0.079261882	0	0
cov3_6_7_9_10	25.9235	-215.242	0.4188372	0	0	0	0
cov3_6_8_9_10	25.9281	-215.245	0.4188463	0	0	0	0
cov1_5_8_9_10	25.9296	-215.245	0.4174237	0	-0.051664394	0	0
cov1_5_7_9_10	25.9336	-215.247	0.4174195	0	-0.051633729	0	0
cov4_6_7_9_10	25.9406	-215.251	0.4189893	0	0	0	0
cov3_5_6_9_10	25.9407	-215.251	0.4191483	0	0	0	0
cov4_6_8_9_10	25.9481	-215.255	0.4189934	0	0	0	0
cov1_4_8_9_10	25.9823	-215.272	0.4180273	0	-0.067465295	0	0
cov3_4_6_9_10	25.9841	-215.273	0.4198943	0	0	0	0
cov1_4_7_9_10	25.9864	-215.274	0.4180221	0	-0.06744562	0	0
cov1_8_9_10_11	26.0355	-215.298	0.4174093	0	-0.080973302	0	0
cov3_6_9_10_11	26.0374	-215.299	0.4190628	0	0	0	0
cov1_7_9_10_11	26.0395	-215.3	0.4174021	0	-0.080889683	0	0
cov1_7_8_9_10	26.04	-215.301	0.4172131	0	-0.077943946	0	0
cov2_3_5_9_10	26.0634	-215.312	0.4201053	0	0	0	-0.047427813
cov6_7_9_10_11	26.0856	-215.323	0.4174798	0	0	0	0
cov6_7_8_9_10	26.0952	-215.328	0.4177606	0	0	0	0
cov6_8_9_10_11	26.0971	-215.329	0.4174657	0	0	0	0
cov5_8_9_10_11	26.2245	-215.393	0.4166505	0	0	0	0
cov5_7_9_10_11	26.2275	-215.394	0.416644	0	0	0	0
cov3_5_8_9_10	26.271	-215.416	0.4170529	0	0	0	0
cov4_5_8_9_10	26.2734	-215.417	0.4170549	0	0	0	0
cov5_7_8_9_10	26.2741	-215.418	0.4171746	0	0	0	0
cov3_5_7_9_10	26.2742	-215.418	0.4170447	0	0	0	0
cov4_5_7_9_10	26.2769	-215.419	0.4170495	0	0	0	0
cov2_3_8_9_10	26.2939	-215.428	0.4203161	0	0	0	-0.07231035
cov2_3_7_9_10	26.2968	-215.429	0.4203095	0	0	0	-0.072290037
cov2_3_6_7_10	26.3133	-215.437	0.4190355	0	0	0	-0.036317816
cov2_3_6_8_10	26.3147	-215.438	0.4190449	0	0	0	-0.0364442

cov2_3_9_10_11	26.3177	-215.439	0.4199048	0	0	0	-0.064345472
cov2_3_4_6_10	26.3561	-215.459	0.4191041	0	0	0	-0.049817036
cov1_2_3_6_10	26.3794	-215.47	0.4191642	0	-0.020406759	0	-0.030215025
cov2_5_6_7_10	26.3871	-215.474	0.4176947	0	0	0	-0.027344547
cov2_5_6_8_10	26.3901	-215.476	0.4176934	0	0	0	-0.027469619
cov2_8_9_10_11	26.3907	-215.476	0.4180818	0	0	0	-0.060820675
cov2_7_9_10_11	26.3925	-215.477	0.4180749	0	0	0	-0.060758975
cov2_3_4_9_10	26.3973	-215.479	0.4206962	0	0	0	-0.075856803
cov2_3_6_10_11	26.4002	-215.481	0.419945	0	0	0	-0.039338011
cov2_5_6_9_10	26.4051	-215.483	0.4179825	0	0	0	-0.026990011
cov2_3_5_6_10	26.4197	-215.49	0.4194185	0	0	0	-0.036186332
cov1_2_3_8_10	26.4378	-215.499	0.4184047	0	-0.047795104	0	-0.031027919
cov1_2_3_7_10	26.4408	-215.501	0.4184051	0	-0.047783326	0	-0.031033491
cov2_6_9_10_11	26.4411	-215.501	0.4192808	0	0	0	-0.039726379
cov2_4_5_8_10	26.4454	-215.503	0.4164167	0	0	0	-0.048792607
cov2_4_5_7_10	26.4477	-215.504	0.4164105	0	0	0	-0.048827857
cov2_4_8_9_10	26.4519	-215.507	0.4194902	0	0	0	-0.060374946
cov2_4_7_9_10	26.4546	-215.508	0.4194845	0	0	0	-0.06040052
cov1_2_6_9_10	26.4607	-215.511	0.4177914	0	-0.026520725	0	-0.02617446
cov1_2_3_4_10	26.461	-215.511	0.4183515	0	-0.053527766	0	-0.042636821
cov1_2_6_7_10	26.4728	-215.517	0.4176272	0	-0.015835166	0	-0.029658811
cov1_2_6_8_10	26.4764	-215.519	0.4176178	0	-0.01651608	0	-0.029651188
cov2_6_7_10_11	26.4859	-215.524	0.4182495	0	0	0	-0.036758199
cov2_7_8_9_10	26.4905	-215.526	0.4190865	0	0	0	-0.070838663
cov2_6_8_10_11	26.4918	-215.526	0.4182488	0	0	0	-0.036975983
cov1_2_3_10_11	26.4948	-215.528	0.4192852	0	-0.055650871	0	-0.031918854
cov1_6_9_10_11	26.4965	-215.529	0.4178957	0	-0.060068886	0	0
cov1_2_9_10_11	26.4976	-215.529	0.4185705	0	-0.069336696	0	-0.029016891
cov2_4_6_7_10	26.4979	-215.529	0.4178827	0	0	0	-0.034706479
cov2_6_7_8_10	26.4979	-215.53	0.4178663	0	0	0	-0.03503446
cov1_3_6_7_10	26.4995	-215.53	0.4175314	0	-0.042419173	0	0
cov1_3_6_8_10	26.4996	-215.53	0.4175331	0	-0.042762721	0	0
cov2_4_6_8_10	26.5037	-215.532	0.4178889	0	0	0	-0.034798574
cov2_4_6_9_10	26.5059	-215.534	0.4185644	0	0	0	-0.028165987
cov1_2_3_5_10	26.5197	-215.54	0.4188157	0	-0.055356653	0	-0.031422789
cov1_4_6_9_10	26.5203	-215.541	0.4179207	0	-0.035423353	0	0
cov1_2_5_8_10	26.5386	-215.55	0.41736	0	-0.022540551	0	-0.029057532
cov1_2_5_7_10	26.5418	-215.551	0.4173568	0	-0.02249581	0	-0.029075687
cov5_6_9_10_11	26.5423	-215.552	0.4178098	0	0	0	0
cov1_2_5_9_10	26.5478	-215.554	0.4174945	0	-0.035761819	0	-0.025808666
cov1_5_6_9_10	26.55	-215.556	0.4169079	0	-0.027508852	0	0
cov2_3_5_8_10	26.559	-215.56	0.4181254	0	0	0	-0.039608836
cov3_5_6_7_10	26.5594	-215.56	0.4172047	0	0	0	0
cov2_3_5_7_10	26.5623	-215.562	0.4181203	0	0	0	-0.039603034
cov3_5_6_8_10	26.5627	-215.562	0.4172091	0	0	0	0
cov1_3_6_10_11	26.5657	-215.563	0.4183845	0	-0.051113536	0	0
cov1_5_6_7_10	26.5775	-215.569	0.4166316	0	-0.01571151	0	0

cov1_4_9_10_11	26.5794	-215.57	0.4185125	0	-0.077044247	0	0
cov1_5_6_8_10	26.5807	-215.571	0.4166228	0	-0.016350418	0	0
cov4_5_6_9_10	26.581	-215.571	0.4177194	0	0	0	0
cov2_5_8_10_11	26.5882	-215.575	0.4176666	0	0	0	-0.036594732
cov2_5_7_8_10	26.5884	-215.575	0.4175901	0	0	0	-0.036190729
cov2_3_4_5_10	26.5885	-215.575	0.417801	0	0	0	-0.064650332
cov2_5_7_10_11	26.5912	-215.576	0.4176589	0	0	0	-0.036579152
cov5_6_7_10_11	26.5926	-215.577	0.4168843	0	0	0	0
cov1_3_5_6_10	26.5928	-215.577	0.4179271	0	-0.050295369	0	0
cov1_3_4_6_10	26.596	-215.579	0.4180128	0	-0.043307581	0	0
cov4_5_6_7_10	26.5963	-215.579	0.4167813	0	0	0	0
cov5_6_7_8_10	26.5968	-215.579	0.416694	0	0	0	0
cov5_6_8_10_11	26.5974	-215.579	0.4168775	0	0	0	0
cov1_2_4_9_10	26.5984	-215.58	0.4177888	0	-0.05364706	0	-0.020845631
cov4_5_6_8_10	26.6012	-215.581	0.4167792	0	0	0	0
cov1_5_9_10_11	26.6114	-215.586	0.4174675	0	-0.068915056	0	0
cov1_2_8_10_11	26.624	-215.593	0.4176172	0	-0.051984499	0	-0.031159254
cov1_4_6_7_10	26.6263	-215.594	0.4172541	0	-0.030876844	0	0
cov1_2_7_10_11	26.6274	-215.594	0.4176103	0	-0.051894533	0	-0.031164779
cov2_4_5_9_10	26.6279	-215.595	0.4170971	0	0	0	-0.044019788
cov4_6_9_10_11	26.629	-215.595	0.4191699	0	0	0	0
cov1_4_6_8_10	26.6291	-215.595	0.4172509	0	-0.03146164	0	0
cov2_5_9_10_11	26.6351	-215.598	0.4185119	0	0	0	-0.040410943
cov1_2_4_8_10	26.641	-215.601	0.4172503	0	-0.046398758	0	-0.029629267
cov1_2_7_8_10	26.6411	-215.601	0.4172043	0	-0.046712202	0	-0.030452226
cov1_2_4_7_10	26.6441	-215.603	0.4172459	0	-0.046362224	0	-0.02967682
cov1_3_4_8_10	26.6534	-215.607	0.4174533	0	-0.068227269	0	0
cov3_4_6_7_10	26.6541	-215.608	0.4182602	0	0	0	0
cov1_3_5_8_10	26.6544	-215.608	0.4170091	0	-0.06242597	0	0
cov1_3_4_7_10	26.6567	-215.609	0.4174526	0	-0.06824725	0	0
cov1_3_5_7_10	26.6579	-215.61	0.4170093	0	-0.062524852	0	0
cov3_4_6_8_10	26.6579	-215.61	0.4182722	0	0	0	0
cov1_3_8_10_11	26.6612	-215.611	0.4173613	0	-0.077636564	0	0
cov1_4_5_9_10	26.6632	-215.612	0.4173751	0	-0.057323419	0	0
cov1_3_7_10_11	26.6643	-215.613	0.417364	0	-0.077645554	0	0
cov1_6_7_10_11	26.666	-215.614	0.4168204	0	-0.044773792	0	0
cov1_3_7_8_10	26.6672	-215.614	0.4171306	0	-0.074018902	0	0
cov1_6_8_10_11	26.669	-215.615	0.4168177	0	-0.045472591	0	0
cov3_5_9_10_11	26.6788	-215.62	0.4171687	0	0	0	0
cov1_6_7_8_10	26.6829	-215.622	0.4164356	0	-0.039981254	0	0
cov3_4_5_9_10	26.7309	-215.646	0.4177956	0	0	0	0
cov1_3_4_10_11	26.731	-215.646	0.4180823	0	-0.077525513	0	0
cov1_5_8_10_11	26.7332	-215.647	0.4164524	0	-0.048537615	0	0
cov1_3_5_10_11	26.7359	-215.649	0.4178513	0	-0.083256164	0	0
cov4_6_7_8_10	26.7361	-215.649	0.4177625	0	0	0	0
cov4_6_7_10_11	26.7363	-215.649	0.4177626	0	0	0	0
cov1_4_5_8_10	26.7365	-215.649	0.4164444	0	-0.045307199	0	0

cov1_5_7_10_11	26.7368	-215.649	0.4164451	0	-0.048452648	0	0
cov3_6_7_10_11	26.739	-215.65	0.4172595	0	0	0	0
cov1_5_7_8_10	26.7396	-215.65	0.4162178	0	-0.04472699	0	0
cov1_4_5_7_10	26.7399	-215.651	0.416439	0	-0.04527296	0	0
cov1_3_4_5_10	26.7417	-215.651	0.4179215	0	-0.078763426	0	0
cov2_3_6_7_9	26.743	-215.652	0.4195613	0	0	0	-0.037135233
cov4_6_8_10_11	26.7433	-215.652	0.4177671	0	0	0	0
cov3_6_8_10_11	26.7436	-215.652	0.417267	0	0	0	0
cov2_3_6_8_9	26.7451	-215.653	0.4195727	0	0	0	-0.03729605
cov3_6_7_8_10	26.7457	-215.653	0.4174903	0	0	0	0
cov3_4_5_6_10	26.773	-215.667	0.4180944	0	0	0	0
cov3_5_6_10_11	26.7738	-215.667	0.4179832	0	0	0	0
cov1_4_8_10_11	26.7808	-215.671	0.4172012	0	-0.064911744	0	0
cov1_4_7_10_11	26.7845	-215.673	0.4171909	0	-0.064848749	0	0
cov1_4_7_8_10	26.7898	-215.675	0.416917	0	-0.060726966	0	0
cov2_3_5_10_11	26.7963	-215.679	0.4189665	0	0	0	-0.046888588
cov2_5_6_7_9	26.8059	-215.684	0.4185671	0	0	0	-0.031370102
cov3_4_6_10_11	26.807	-215.684	0.4186772	0	0	0	0
cov2_5_6_8_9	26.8097	-215.685	0.4185653	0	0	0	-0.031499156
cov2_3_4_6_9	26.8105	-215.686	0.4196426	0	0	0	-0.054612323
cov1_2_6_7_9	26.8247	-215.693	0.4184421	0	-0.015710938	0	-0.030792785
cov1_2_6_8_9	26.8282	-215.695	0.418432	0	-0.016409447	0	-0.030783605
cov2_6_7_9_11	26.8339	-215.698	0.4191014	0	0	0	-0.038071065
cov2_6_8_9_11	26.8397	-215.7	0.4191002	0	0	0	-0.038291757
cov2_4_6_7_9	26.842	-215.702	0.4184841	0	0	0	-0.03996826
cov2_4_6_8_9	26.8483	-215.705	0.4184901	0	0	0	-0.04006396
cov2_6_7_8_9	26.8494	-215.705	0.4186719	0	0	0	-0.036126359
cov1_7_8_10_11	26.8546	-215.708	0.4162532	0	-0.076530891	0	0
cov1_2_3_6_9	26.8786	-215.72	0.4198102	0	-0.020189545	0	-0.031389327
cov2_3_8_10_11	26.8822	-215.722	0.4182695	0	0	0	-0.060633616
cov2_3_7_10_11	26.8849	-215.723	0.4182625	0	0	0	-0.060626113
cov2_3_6_9_11	26.8867	-215.724	0.4206883	0	0	0	-0.040960391
cov6_7_8_10_11	26.8968	-215.729	0.4163024	0	0	0	0
cov1_2_3_8_9	26.9	-215.731	0.4188817	0	-0.049660033	0	-0.032224471
cov1_2_3_7_9	26.904	-215.733	0.4188809	0	-0.04963634	0	-0.032234337
cov2_3_5_6_9	26.9133	-215.737	0.4202173	0	0	0	-0.040197665
cov4_8_9_10_11	26.9187	-215.74	0.4174411	0	0	0	0
cov4_7_9_10_11	26.921	-215.741	0.417432	0	0	0	0
cov2_4_5_8_9	26.94	-215.751	0.4170886	0	0	0	-0.056552869
cov2_4_5_7_9	26.943	-215.752	0.4170824	0	0	0	-0.056585872
cov1_2_3_4_9	26.9431	-215.752	0.4188305	0	-0.05708987	0	-0.047182394
cov1_3_6_7_9	26.948	-215.755	0.4180627	0	-0.042520191	0	0
cov1_3_6_8_9	26.9485	-215.755	0.4180648	0	-0.042968239	0	0
cov2_3_7_8_10	26.9507	-215.756	0.4191104	0	0	0	-0.068983445
cov2_3_4_8_10	26.9508	-215.756	0.419119	0	0	0	-0.068267381
cov2_3_4_7_10	26.9535	-215.757	0.4191172	0	0	0	-0.068293881
cov5_7_8_10_11	26.9712	-215.766	0.415648	0	0	0	0

cov3_5_8_10_11	26.9717	-215.766	0.4156446	0	0	0
cov4_5_8_10_11	26.9717	-215.766	0.4156591	0	0	0
cov3_5_7_10_11	26.9743	-215.768	0.415634	0	0	0
cov4_5_7_10_11	26.9743	-215.768	0.4156489	0	0	0
cov1_2_5_8_9	26.9914	-215.776	0.4180361	0	-0.0360062	-0.031013824
cov1_2_5_7_9	26.9953	-215.778	0.4180315	0	-0.035961005	-0.03103205
cov3_5_7_8_10	26.9971	-215.779	0.4159465	0	0	0
cov3_4_5_8_10	26.9977	-215.779	0.4159584	0	0	0
cov1_2_8_9_11	26.9998	-215.78	0.4184015	0	-0.054703712	-0.032454479
cov4_5_7_8_10	26.9998	-215.78	0.4160527	0	0	0
cov3_4_5_7_10	27.0005	-215.781	0.4159479	0	0	0
cov1_2_3_5_9	27.0006	-215.781	0.4194801	0	-0.069269621	-0.033412869
cov1_2_7_9_11	27.004	-215.783	0.418394	0	-0.054611225	-0.032465702
cov1_2_3_9_11	27.0063	-215.784	0.4199616	0	-0.059048325	-0.03335452
cov2_3_4_10_11	27.0115	-215.786	0.4187766	0	0	-0.067664247
cov1_2_4_8_9	27.0154	-215.788	0.4177816	0	-0.050175241	-0.034648991
cov1_2_4_7_9	27.0192	-215.79	0.417776	0	-0.050132553	-0.034697468
cov1_2_7_8_9	27.0205	-215.791	0.4179533	0	-0.048938943	-0.031683749
cov1_5_6_7_9	27.0219	-215.792	0.4173371	0	-0.027926234	0
cov1_4_6_7_9	27.0238	-215.792	0.4177989	0	-0.034360047	0
cov1_5_6_8_9	27.0252	-215.793	0.4173282	0	-0.028580851	0
cov1_4_6_8_9	27.0266	-215.794	0.4177954	0	-0.034965766	0
cov1_6_7_9_11	27.0304	-215.796	0.4176596	0	-0.04611507	0
cov2_3_4_6_7	27.032	-215.797	0.4209184	0	0	-0.057563083
cov1_6_8_9_11	27.0333	-215.797	0.417656	0	-0.046823666	0
cov2_3_4_6_8	27.036	-215.799	0.4209396	0	0	-0.057788395
cov2_4_8_10_11	27.0442	-215.803	0.41754	0	0	-0.051420948
cov2_4_7_10_11	27.0461	-215.804	0.4175305	0	0	-0.051424325
cov1_6_7_8_9	27.0512	-215.806	0.4172369	0	-0.040813456	0
cov2_5_6_10_11	27.0559	-215.809	0.4182252	0	0	-0.032335206
cov1_3_5_6_9	27.0673	-215.814	0.4186199	0	-0.062974125	0
cov1_3_6_9_11	27.0679	-215.815	0.4191101	0	-0.053155578	0
cov3_5_6_7_9	27.0682	-215.815	0.4177657	0	0	0
cov2_4_5_6_7	27.07	-215.816	0.4198134	0	0	-0.052166957
cov2_7_8_10_11	27.0707	-215.816	0.4171469	0	0	-0.059725244
cov1_2_4_6_7	27.0725	-215.817	0.4197409	0	-0.020836023	-0.043184354
cov3_5_6_8_9	27.0731	-215.817	0.4177722	0	0	0
cov2_4_5_6_8	27.076	-215.819	0.4198181	0	0	-0.052342575
cov1_2_4_6_8	27.0767	-215.819	0.4197242	0	-0.021547847	-0.04312251
cov5_6_7_9_11	27.0807	-215.821	0.4175831	0	0	0
cov4_5_6_7_9	27.081	-215.821	0.4176217	0	0	0
cov5_6_7_8_9	27.0831	-215.822	0.4174422	0	0	0
cov4_5_9_10_11	27.0841	-215.823	0.4168332	0	0	0
cov5_6_8_9_11	27.0868	-215.824	0.4175757	0	0	0
cov4_5_6_8_9	27.0871	-215.824	0.4176195	0	0	0
cov2_4_7_8_10	27.0968	-215.829	0.4183336	0	0	-0.057692048
cov2_4_6_7_11	27.0972	-215.829	0.4206081	0	0	-0.05153083

cov1_2_6_10_11	27.1039	-215.833	0.4180826	0	-0.033921662	0	-0.030597998
cov2_4_6_8_11	27.1047	-215.833	0.4206179	0	0	0	-0.051650856
cov2_3_5_8_9	27.1106	-215.836	0.4186373	0	0	0	-0.044234947
cov1_3_4_6_9	27.1137	-215.837	0.4184869	0	-0.04622149	0	0
cov2_3_5_7_9	27.1144	-215.838	0.418629	0	0	0	-0.044220767
cov2_4_6_7_8	27.1155	-215.838	0.4201536	0	0	0	-0.049451621
cov1_2_6_7_11	27.1164	-215.839	0.4214213	0	-0.024777569	0	-0.033141874
cov2_5_7_8_9	27.118	-215.84	0.4183653	0	0	0	-0.042465671
cov2_5_8_9_11	27.1182	-215.84	0.418336	0	0	0	-0.042306337
cov1_2_6_8_11	27.1188	-215.84	0.4214152	0	-0.025506483	0	-0.033142191
cov2_5_7_9_11	27.1218	-215.841	0.4183279	0	0	0	-0.042291723
cov3_4_6_7_9	27.122	-215.842	0.4186871	0	0	0	0
cov3_4_6_8_9	27.1272	-215.844	0.4187002	0	0	0	0
cov1_2_5_6_7	27.1344	-215.848	0.4204241	0	-0.027278193	0	-0.032436275
cov1_2_5_6_8	27.1376	-215.849	0.4204134	0	-0.027958378	0	-0.032426299
cov1_3_8_9_11	27.139	-215.85	0.4178623	0	-0.081216584	0	0
cov1_3_4_8_9	27.1408	-215.851	0.4178161	0	-0.072747678	0	0
cov1_2_3_6_7	27.142	-215.852	0.4213105	0	-0.018687209	0	-0.032385108
cov1_3_7_9_11	27.1431	-215.852	0.4178622	0	-0.081206255	0	0
cov1_2_3_6_8	27.1437	-215.852	0.4213186	0	-0.019343062	0	-0.032388597
cov1_3_4_7_9	27.1451	-215.853	0.4178135	0	-0.072754527	0	0
cov1_3_7_8_9	27.1479	-215.855	0.4175912	0	-0.076947264	0	0
cov1_3_5_8_9	27.1484	-215.855	0.4175819	0	-0.076520207	0	0
cov1_3_5_7_9	27.1525	-215.857	0.417582	0	-0.076630234	0	0
cov1_2_6_7_8	27.1575	-215.859	0.4208072	0	-0.018182316	0	-0.032098101
cov2_3_6_7_11	27.1589	-215.86	0.4220255	0	0	0	-0.04079089
cov4_6_7_8_9	27.1593	-215.86	0.418348	0	0	0	0
cov4_6_7_9_11	27.1595	-215.86	0.4183482	0	0	0	0
cov2_3_6_8_11	27.1632	-215.862	0.4220467	0	0	0	-0.041014769
cov2_3_5_6_7	27.1633	-215.862	0.4216963	0	0	0	-0.041674823
cov4_6_8_9_11	27.1672	-215.864	0.4183523	0	0	0	0
cov2_3_5_6_8	27.1677	-215.864	0.4217188	0	0	0	-0.041881147
cov1_2_3_5_6	27.1691	-215.865	0.421933	0	-0.063059629	0	-0.034971314
cov2_5_6_7_11	27.1714	-215.866	0.4215384	0	0	0	-0.040670976
cov2_6_7_8_11	27.1717	-215.866	0.4215704	0	0	0	-0.040366258
cov2_3_6_7_8	27.1768	-215.869	0.4215837	0	0	0	-0.038727447
cov2_5_6_8_11	27.1773	-215.869	0.4215431	0	0	0	-0.040825815
cov2_4_6_10_11	27.1867	-215.874	0.4185648	0	0	0	-0.033782016
cov2_5_6_7_8	27.1889	-215.875	0.4210618	0	0	0	-0.038978177
cov3_6_7_9_11	27.1909	-215.876	0.4178292	0	0	0	0
cov2_4_9_10_11	27.1927	-215.877	0.418734	0	0	0	-0.050649234
cov3_6_7_8_9	27.1952	-215.878	0.4180159	0	0	0	0
cov1_2_5_10_11	27.197	-215.879	0.4176792	0	-0.041958934	0	-0.029940877
cov3_6_8_9_11	27.1971	-215.879	0.4178369	0	0	0	0
cov2_3_4_5_9	27.1992	-215.88	0.4183927	0	0	0	-0.071621231
cov2_4_5_6_10	27.203	-215.882	0.4165544	0	0	0	-0.030203281
cov1_2_3_4_6	27.2052	-215.883	0.4212098	0	-0.03037751	0	-0.057139594

cov1_2_5_6_10	27.2068	-215.884	0.4167635	0	-0.002536686	0	-0.027193583
cov1_4_6_10_11	27.2086	-215.885	0.4179552	0	-0.043877042	0	0
cov1_4_8_9_11	27.2088	-215.885	0.4177126	0	-0.071627071	0	0
cov1_5_8_9_11	27.2111	-215.886	0.4171283	0	-0.064569985	0	0
cov3_4_9_10_11	27.2114	-215.886	0.4182062	0	0	0	0
cov1_4_5_8_9	27.2117	-215.886	0.4172171	0	-0.060902923	0	0
cov1_4_7_9_11	27.2133	-215.887	0.4177039	0	-0.071564467	0	0
cov1_5_7_9_11	27.2156	-215.888	0.4171204	0	-0.064492269	0	0
cov1_4_5_7_9	27.216	-215.889	0.4172113	0	-0.060872553	0	0
cov1_4_7_8_9	27.2201	-215.891	0.4174019	0	-0.066985087	0	0
cov1_5_7_8_9	27.2207	-215.891	0.4168482	0	-0.060010819	0	0
cov1_3_5_9_11	27.2412	-215.901	0.4185173	0	-0.099675404	0	0
cov1_3_4_5_9	27.2425	-215.902	0.418683	0	-0.094526801	0	0
cov1_5_6_10_11	27.2455	-215.903	0.4168757	0	-0.03598923	0	0
cov1_7_8_9_11	27.2501	-215.906	0.4170164	0	-0.080363081	0	0
cov2_3_4_6_11	27.252	-215.907	0.4224361	0	0	0	-0.068335014
cov1_2_4_10_11	27.2561	-215.909	0.4178952	0	-0.060505261	0	-0.025604852
cov1_2_4_6_10	27.2564	-215.909	0.4170425	0	-0.019571182	0	-0.022489327
cov1_2_3_4_8	27.2693	-215.915	0.4201992	0	-0.065826872	0	-0.051368217
cov1_3_4_9_11	27.2697	-215.915	0.4185821	0	-0.084259315	0	0
cov1_2_3_4_7	27.275	-215.918	0.4202007	0	-0.065840241	0	-0.051436086
cov6_7_8_9_11	27.2751	-215.918	0.4171236	0	0	0	0
cov2_4_5_10_11	27.2909	-215.926	0.4169471	0	0	0	-0.04967868
cov2_3_4_5_6	27.2951	-215.928	0.4218613	0	0	0	-0.065478024
cov4_5_6_10_11	27.3045	-215.933	0.4174535	0	0	0	0
cov1_3_5_6_7	27.3193	-215.94	0.4200207	0	-0.068665841	0	0
cov1_3_5_6_8	27.3197	-215.94	0.4200242	0	-0.069303669	0	0
cov3_4_8_9_10	27.3225	-215.942	0.4193643	0	0	0	0
cov4_7_8_9_10	27.3225	-215.942	0.4193676	0	0	0	0
cov3_4_7_9_10	27.3258	-215.943	0.4193578	0	0	0	0
cov1_2_3_5_8	27.3272	-215.944	0.4209522	0	-0.085064067	0	-0.035105127
cov1_2_4_8_11	27.3309	-215.946	0.4199593	0	-0.068179333	0	-0.045034828
cov1_2_4_5_10	27.3312	-215.946	0.4162589	0	-0.024664823	0	-0.030594596
cov1_2_3_5_7	27.3325	-215.947	0.4209598	0	-0.085296147	0	-0.035132101
cov1_4_5_6_10	27.3353	-215.948	0.4166239	0	-0.024970773	0	0
cov1_2_4_7_11	27.3369	-215.949	0.4199554	0	-0.068131686	0	-0.045095643
cov3_4_5_6_9	27.346	-215.954	0.4188728	0	0	0	0
cov3_4_6_9_11	27.3519	-215.957	0.4192406	0	0	0	0
cov1_2_4_5_8	27.352	-215.957	0.4194446	0	-0.055300872	0	-0.047280843
cov3_5_6_9_11	27.3527	-215.957	0.4186263	0	0	0	0
cov1_4_5_10_11	27.3576	-215.959	0.4173135	0	-0.064854186	0	0
cov1_2_4_5_7	27.3577	-215.959	0.4194432	0	-0.055300124	0	-0.047350507
cov1_5_6_7_11	27.3583	-215.96	0.4197491	0	-0.05893535	0	0
cov1_2_4_7_8	27.3584	-215.96	0.4194763	0	-0.061564416	0	-0.043998644
cov1_5_6_8_11	27.3608	-215.961	0.4197446	0	-0.059625939	0	0
cov1_3_6_7_11	27.3659	-215.964	0.4205284	0	-0.051010097	0	0
cov1_3_6_8_11	27.3672	-215.964	0.4205391	0	-0.051680508	0	0



cov1_4_5_6_7	27.3707	-215.966	0.4197342	0	-0.05375441	0	0
cov1_4_5_6_8	27.3734	-215.967	0.4197297	0	-0.054414861	0	0
cov1_6_7_8_11	27.377	-215.969	0.420109	0	-0.050441891	0	0
cov1_4_6_7_11	27.3775	-215.969	0.4201192	0	-0.050186227	0	0
cov1_4_6_8_11	27.3798	-215.97	0.4201198	0	-0.050861216	0	0
cov2_3_8_9_11	27.3816	-215.971	0.4186955	0	0	0	-0.063169529
cov2_3_7_9_11	27.3848	-215.973	0.4186898	0	0	0	-0.06314378
cov1_2_5_8_11	27.3852	-215.973	0.4205628	0	-0.074523279	0	-0.034550597
cov1_5_6_7_8	27.3854	-215.973	0.4192975	0	-0.052769103	0	0
cov1_3_4_6_7	27.39	-215.976	0.4199233	0	-0.047040913	0	0
cov1_2_5_7_11	27.3915	-215.976	0.4205595	0	-0.074525647	0	-0.034574966
cov1_3_4_6_8	27.3917	-215.976	0.4199295	0	-0.047714312	0	0
cov1_3_6_7_8	27.392	-215.977	0.4200778	0	-0.045123383	0	0
cov1_2_3_8_11	27.3985	-215.98	0.4214175	0	-0.065449763	0	-0.034448435
cov1_2_3_5_11	27.399	-215.98	0.4221616	0	-0.10975859	0	-0.037246971
cov1_4_6_7_8	27.4039	-215.983	0.4196522	0	-0.044332735	0	0
cov1_2_3_7_11	27.4052	-215.983	0.4214196	0	-0.065422952	0	-0.034464834
cov1_3_5_6_11	27.4062	-215.984	0.4211955	0	-0.095693034	0	0
cov3_4_5_10_11	27.4112	-215.986	0.4164698	0	0	0	0
cov1_2_5_7_8	27.4113	-215.986	0.4200856	0	-0.06797045	0	-0.033690018
cov1_2_7_8_11	27.4119	-215.987	0.4209647	0	-0.064722776	0	-0.03418002
cov1_2_3_4_5	27.4125	-215.987	0.4211307	0	-0.094856734	0	-0.046871128
cov1_2_3_6_11	27.4132	-215.987	0.4234629	0	-0.033947739	0	-0.034374578
cov2_3_5_6_11	27.4207	-215.991	0.4234996	0	0	0	-0.05041183
cov1_2_3_7_8	27.4233	-215.992	0.4209499	0	-0.059239232	0	-0.033612513
cov1_3_4_5_6	27.4249	-215.993	0.4212636	0	-0.089734613	0	0
cov2_3_5_9_11	27.4301	-215.996	0.4195557	0	0	0	-0.052654314
cov1_2_3_4_11	27.4349	-215.998	0.4216109	0	-0.081110246	0	-0.058533873
cov2_3_4_8_9	27.4476	-216.004	0.4194673	0	0	0	-0.073156757
cov2_3_7_8_9	27.4484	-216.005	0.4195001	0	0	0	-0.071338563
cov2_3_4_7_9	27.4509	-216.006	0.4194635	0	0	0	-0.07317494
cov1_2_6_9_11	27.4752	-216.018	0.4189094	0	-0.034497897	0	-0.031837102
cov2_4_8_9_11	27.4849	-216.023	0.4180331	0	0	0	-0.058153548
cov2_4_7_9_11	27.4874	-216.024	0.4180259	0	0	0	-0.058156264
cov2_7_8_9_11	27.4915	-216.026	0.4178322	0	0	0	-0.062398116
cov2_5_6_9_11	27.5117	-216.036	0.419044	0	0	0	-0.036438413
cov2_4_7_8_9	27.5419	-216.051	0.418838	0	0	0	-0.064559411
cov3_4_8_10_11	27.5665	-216.064	0.4166947	0	0	0	0
cov3_4_7_10_11	27.5689	-216.065	0.4166856	0	0	0	0
cov2_3_4_9_11	27.5714	-216.066	0.419253	0	0	0	-0.074061632
cov2_4_6_9_11	27.5805	-216.071	0.4191739	0	0	0	-0.039239062
cov4_7_8_10_11	27.5821	-216.072	0.4165508	0	0	0	0
cov1_3_4_5_8	27.5932	-216.077	0.4202189	0	-0.11257071	0	0
cov1_3_4_5_7	27.5988	-216.08	0.4202279	0	-0.11284604	0	0
cov1_3_5_8_11	27.6065	-216.084	0.4199548	0	-0.11673117	0	0
cov1_3_5_7_11	27.6122	-216.087	0.4199626	0	-0.11702162	0	0
cov1_3_5_7_8	27.6193	-216.09	0.4196414	0	-0.11172243	0	0

cov3_5_8_9_11	27.622	-216.092	0.4158575	0	0	0	0
cov3_5_7_9_11	27.6246	-216.093	0.4158456	0	0	0	0
cov3_4_5_6_7	27.6279	-216.095	0.4204519	0	0	0	0
cov4_5_6_7_8	27.6287	-216.095	0.4205626	0	0	0	0
cov4_5_6_7_11	27.6288	-216.095	0.4205201	0	0	0	0
cov3_5_6_7_8	27.6339	-216.097	0.4201575	0	0	0	0
cov4_5_8_9_11	27.634	-216.098	0.4161203	0	0	0	0
cov4_6_7_8_11	27.634	-216.098	0.4205892	0	0	0	0
cov3_5_6_7_11	27.6341	-216.098	0.4201346	0	0	0	0
cov5_7_8_9_11	27.6341	-216.098	0.4160204	0	0	0	0
cov3_4_6_7_11	27.6344	-216.098	0.4205842	0	0	0	0
cov3_4_6_7_8	27.6346	-216.098	0.4206533	0	0	0	0
cov5_6_7_8_11	27.6347	-216.098	0.4202233	0	0	0	0
cov4_5_7_9_11	27.6372	-216.099	0.4161108	0	0	0	0
cov3_4_5_6_8	27.6377	-216.099	0.4204793	0	0	0	0
cov4_5_6_8_11	27.6382	-216.1	0.4205276	0	0	0	0
cov1_4_6_9_11	27.6409	-216.101	0.4184944	0	-0.048074178	0	0
cov2_4_5_8_11	27.6419	-216.101	0.4200033	0	0	0	-0.07968714
cov1_4_5_8_11	27.6429	-216.102	0.4198367	0	-0.10209528	0	0
cov2_4_5_7_8	27.643	-216.102	0.4201274	0	0	0	-0.080807117
cov2_3_4_5_8	27.6433	-216.102	0.420105	0	0	0	-0.080522416
cov3_5_6_8_11	27.6441	-216.103	0.420154	0	0	0	0
cov3_4_6_8_11	27.6442	-216.103	0.4206104	0	0	0	0
cov2_4_5_7_11	27.6474	-216.104	0.4199971	0	0	0	-0.07972827
cov2_3_4_5_7	27.6489	-216.105	0.4200936	0	0	0	-0.080517204
cov1_4_5_7_11	27.6495	-216.105	0.4198353	0	-0.10213214	0	0
cov1_2_5_6_9	27.6539	-216.108	0.4174648	0	-0.013341321	0	-0.029054363
cov1_2_5_9_11	27.6581	-216.11	0.4183799	0	-0.056291804	0	-0.032013522
cov1_4_5_7_8	27.6583	-216.11	0.4194803	0	-0.096497166	0	0
cov3_5_7_8_9	27.6584	-216.11	0.4162051	0	0	0	0
cov3_4_5_8_9	27.6585	-216.11	0.4163251	0	0	0	0
cov2_4_5_6_9	27.6598	-216.11	0.4173334	0	0	0	-0.034794919
cov3_4_5_7_9	27.6615	-216.111	0.4163073	0	0	0	0
cov1_2_4_6_9	27.6635	-216.112	0.4175398	0	-0.020609923	0	-0.027355072
cov3_6_7_8_11	27.6652	-216.113	0.4199982	0	0	0	0
cov1_3_4_6_11	27.666	-216.114	0.421443	0	-0.066558381	0	0
cov1_5_7_8_11	27.6688	-216.115	0.4192612	0	-0.10110039	0	0
cov1_2_4_9_11	27.6724	-216.117	0.4184381	0	-0.065148105	0	-0.030639498
cov1_3_4_5_11	27.6788	-216.12	0.421424	0	-0.13756916	0	0
cov1_3_4_8_11	27.68	-216.121	0.4199425	0	-0.093845732	0	0
cov1_3_7_8_11	27.6801	-216.121	0.4200121	0	-0.092981376	0	0
cov1_3_4_7_11	27.6869	-216.124	0.4199415	0	-0.093865849	0	0
cov4_5_7_8_9	27.688	-216.125	0.4166498	0	0	0	0
cov1_4_7_8_11	27.6894	-216.125	0.4197286	0	-0.091342014	0	0
cov1_3_4_7_8	27.6929	-216.127	0.419623	0	-0.08899671	0	0
cov1_5_6_9_11	27.699	-216.13	0.4176015	0	-0.049149213	0	0
cov3_8_9_10_11	27.7789	-216.17	0.4134553	0	0	0	0

cov3_7_9_10_11	27.78	-216.171	0.4134496	0	0	0
cov1_4_5_6_9	27.7895	-216.175	0.4174289	0	-0.037687461	0
cov1_2_4_5_9	27.8116	-216.186	0.4169842	0	-0.039644799	-0.031192579
cov1_2_5_6_11	27.8151	-216.188	0.4209256	0	-0.051190704	-0.033849562
cov1_2_4_6_11	27.8262	-216.194	0.420764	0	-0.040629857	-0.040485769
cov4_5_6_9_11	27.8268	-216.194	0.4182233	0	0	0
cov1_4_5_9_11	27.8301	-216.196	0.4181033	0	-0.081163618	0
cov2_4_5_9_11	27.8559	-216.209	0.4175083	0	0	-0.056783147
cov3_4_7_8_10	27.8936	-216.227	0.4183024	0	0	0
cov7_8_9_10_11	27.9386	-216.25	0.4125687	0	0	0
cov2_3_5_8_11	27.9511	-216.256	0.4211918	0	0	-0.056912593
cov2_3_5_7_11	27.9569	-216.259	0.4211793	0	0	-0.056873021
cov2_4_5_6_11	27.958	-216.26	0.4210429	0	0	-0.052842358
cov2_3_5_7_8	27.969	-216.265	0.4215981	0	0	-0.058993766
cov2_5_7_8_11	27.9736	-216.267	0.4217078	0	0	-0.060141119
cov1_4_5_6_11	27.9958	-216.278	0.4207444	0	-0.077997579	0
cov1_2_4_5_6	28.0368	-216.299	0.4194432	0	-0.03748922	-0.031026104
cov2_3_4_8_11	28.0893	-216.325	0.4207661	0	0	-0.082297879
cov2_3_4_7_11	28.0944	-216.328	0.4207575	0	0	-0.0822929
cov3_4_5_6_11	28.0981	-216.33	0.4222338	0	0	0
cov1_2_4_5_11	28.1047	-216.333	0.4204397	0	-0.089885123	-0.035801808
cov2_4_7_8_11	28.1065	-216.334	0.4204286	0	0	-0.078156921
cov2_3_7_8_11	28.1265	-216.344	0.4211138	0	0	-0.071828276
cov4_7_8_9_11	28.1769	-216.369	0.4169109	0	0	0
cov3_4_8_9_11	28.1772	-216.369	0.4169332	0	0	0
cov3_4_7_9_11	28.1798	-216.37	0.4169217	0	0	0
cov3_4_5_9_11	28.2042	-216.383	0.4168873	0	0	0
cov2_3_4_7_8	28.2093	-216.385	0.4219626	0	0	-0.091473261
cov2_3_4_5_11	28.2749	-216.418	0.421879	0	0	-0.097916584
cov3_7_8_10_11	28.4216	-216.491	0.4126225	0	0	0
cov3_4_7_8_9	28.5268	-216.544	0.4185246	0	0	0
cov3_4_5_8_11	28.854	-216.708	0.4186496	0	0	0
cov3_5_7_8_11	28.8573	-216.709	0.4183519	0	0	0
cov3_4_5_7_11	28.8574	-216.709	0.4186273	0	0	0
cov3_4_5_7_8	29.0102	-216.786	0.4195499	0	0	0
cov3_7_8_9_11	29.0506	-216.806	0.4128319	0	0	0
cov4_5_7_8_11	29.1351	-216.848	0.4199832	0	0	0
cov3_4_7_8_11	29.3837	-216.972	0.4194681	0	0	0
cov3_7_8_9_10	30.035	-217.298	0.4133568	0	0	0
cov2_3_6_7_9_10	32.5423	-215.029	0.4203721	0	0	-0.035999472
cov2_3_6_8_9_10	32.5438	-215.03	0.4203815	0	0	-0.036121667
cov2_3_4_6_9_10	32.5666	-215.041	0.4204046	0	0	-0.050433533
cov1_2_3_6_9_10	32.5759	-215.046	0.4204095	0	-0.025685703	-0.028059825
cov2_5_6_7_9_10	32.6244	-215.07	0.4189474	0	0	-0.026618831
cov2_5_6_8_9_10	32.6277	-215.072	0.4189451	0	0	-0.026744194
cov2_3_6_9_10_11	32.6313	-215.074	0.4211232	0	0	-0.038364115
cov2_3_5_6_9_10	32.6396	-215.078	0.4207187	0	0	-0.035577176

cov1_2_3_4_9_10	32.6668	-215.091	0.4195218	0	-0.061311609	0	-0.041652815
cov1_2_3_8_9_10	32.6668	-215.092	0.4196184	0	-0.0550852	0	-0.0289645
cov1_2_3_7_9_10	32.67	-215.093	0.4196207	0	-0.055077009	0	-0.028970532
cov1_3_6_8_9_10	32.6763	-215.096	0.4189011	0	-0.046454788	0	0
cov1_3_6_7_9_10	32.6764	-215.096	0.4188999	0	-0.046131752	0	0
cov1_2_6_7_9_10	32.7012	-215.109	0.4188168	0	-0.021031418	0	-0.027511035
cov1_2_6_8_9_10	32.7047	-215.11	0.4188068	0	-0.021712206	0	-0.027503324
cov2_4_5_8_9_10	32.7156	-215.116	0.4174908	0	0	0	-0.050883472
cov2_4_5_7_9_10	32.7184	-215.117	0.4174845	0	0	0	-0.050916146
cov1_2_3_9_10_11	32.7233	-215.12	0.4203867	0	-0.061735539	0	-0.029699121
cov1_2_3_5_9_10	32.7339	-215.125	0.420022	0	-0.064685733	0	-0.029483351
cov2_6_7_9_10_11	32.7403	-215.128	0.4193736	0	0	0	-0.035775234
cov1_3_6_9_10_11	32.7404	-215.128	0.4196597	0	-0.053801921	0	0
cov2_4_6_7_9_10	32.7453	-215.131	0.4191193	0	0	0	-0.034823819
cov2_6_7_8_9_10	32.7453	-215.131	0.4191271	0	0	0	-0.034646972
cov2_6_8_9_10_11	32.7467	-215.131	0.419372	0	0	0	-0.035997443
cov2_4_6_8_9_10	32.7518	-215.134	0.4191245	0	0	0	-0.034914279
cov1_3_5_6_9_10	32.7541	-215.135	0.4192867	0	-0.056372551	0	0
cov1_3_4_6_9_10	32.7638	-215.14	0.4192351	0	-0.048609973	0	0
cov3_5_6_7_9_10	32.7782	-215.147	0.4185429	0	0	0	0
cov3_5_6_8_9_10	32.7816	-215.149	0.4185463	0	0	0	0
cov1_5_6_7_9_10	32.7894	-215.153	0.4178974	0	-0.020751392	0	0
cov1_5_6_8_9_10	32.7925	-215.154	0.4178899	0	-0.021401175	0	0
cov1_2_5_8_9_10	32.8	-215.158	0.4184796	0	-0.030869808	0	-0.027076582
cov1_2_5_7_9_10	32.8038	-215.16	0.4184755	0	-0.030823783	0	-0.027098998
cov5_6_7_9_10_11	32.8221	-215.169	0.4180634	0	0	0	0
cov4_5_6_7_9_10	32.823	-215.17	0.4179405	0	0	0	0
cov5_6_7_8_9_10	32.8231	-215.17	0.4179736	0	0	0	0
cov5_6_8_9_10_11	32.8274	-215.172	0.4180555	0	0	0	0
cov4_5_6_8_9_10	32.8283	-215.172	0.4179317	0	0	0	0
cov1_4_6_7_9_10	32.8396	-215.178	0.4184173	0	-0.035595544	0	0
cov1_4_6_8_9_10	32.8424	-215.179	0.4184133	0	-0.036183362	0	0
cov2_3_4_5_9_10	32.8594	-215.188	0.418891	0	0	0	-0.066986959
cov1_3_4_8_9_10	32.8611	-215.189	0.4186418	0	-0.075873749	0	0
cov1_3_5_8_9_10	32.8616	-215.189	0.4183549	0	-0.072155543	0	0
cov1_3_8_9_10_11	32.8639	-215.19	0.4185988	0	-0.082183127	0	0
cov1_3_4_7_9_10	32.8645	-215.19	0.4186415	0	-0.075904269	0	0
cov1_3_5_7_9_10	32.8652	-215.191	0.4183579	0	-0.072321736	0	0
cov2_3_5_8_9_10	32.8653	-215.191	0.4192848	0	0	0	-0.040140353
cov1_3_7_8_9_10	32.8661	-215.191	0.4184411	0	-0.079670758	0	0
cov1_3_7_9_10_11	32.8672	-215.192	0.4186027	0	-0.08220154	0	0
cov2_3_5_7_9_10	32.869	-215.193	0.4192798	0	0	0	-0.040139413
cov1_6_7_9_10_11	32.87	-215.193	0.4180409	0	-0.047471651	0	0
cov1_6_8_9_10_11	32.873	-215.195	0.4180368	0	-0.048174598	0	0
cov1_2_8_9_10_11	32.8813	-215.199	0.4186667	0	-0.05805563	0	-0.028960214
cov1_6_7_8_9_10	32.8817	-215.199	0.4177204	0	-0.043508972	0	0
cov1_2_7_9_10_11	32.8852	-215.201	0.4186597	0	-0.057962088	0	-0.028971152

cov3_4_6_7_9_10	32.8876	-215.202	0.4195462	0	0	0
cov3_4_6_8_9_10	32.8915	-215.204	0.4195573	0	0	0
cov2_5_8_9_10_11	32.8923	-215.204	0.4186625	0	0	-0.036282883
cov1_2_7_8_9_10	32.8924	-215.204	0.4183505	0	-0.05386596	-0.028357717
cov1_2_4_8_9_10	32.8925	-215.204	0.4183475	0	-0.053779668	-0.028183771
cov2_5_7_8_9_10	32.893	-215.205	0.4187634	0	0	-0.036825397
cov2_5_7_9_10_11	32.8957	-215.206	0.418655	0	0	-0.036266894
cov1_2_4_7_9_10	32.8961	-215.206	0.4183426	0	-0.053739649	-0.02822795
cov1_3_5_9_10_11	32.929	-215.223	0.4190661	0	-0.090167852	0
cov1_3_4_9_10_11	32.9312	-215.224	0.4191659	0	-0.083715725	0
cov1_3_4_5_9_10	32.9331	-215.225	0.419106	0	-0.086666161	0
cov3_6_7_9_10_11	32.9526	-215.234	0.4185141	0	0	0
cov3_6_8_9_10_11	32.9572	-215.237	0.4185216	0	0	0
cov3_6_7_8_9_10	32.9671	-215.242	0.4188389	0	0	0
cov1_5_8_9_10_11	32.9712	-215.244	0.4175913	0	-0.054378106	0
cov1_4_5_8_9_10	32.9734	-215.245	0.4175562	0	-0.051994265	0
cov1_5_7_8_9_10	32.9744	-215.245	0.4174238	0	-0.051656625	0
cov1_5_7_9_10_11	32.9752	-215.246	0.4175838	0	-0.054295625	0
cov1_4_5_7_9_10	32.9774	-215.247	0.4175505	0	-0.051959781	0
cov4_6_7_9_10_11	32.984	-215.25	0.4188626	0	0	0
cov3_4_5_6_9_10	32.9843	-215.25	0.4192881	0	0	0
cov3_5_6_9_10_11	32.985	-215.251	0.4192047	0	0	0
cov4_6_7_8_9_10	32.9852	-215.251	0.4189875	0	0	0
cov4_6_8_9_10_11	32.9916	-215.254	0.4188665	0	0	0
cov1_4_8_9_10_11	33.0221	-215.269	0.4182374	0	-0.070590249	0
cov1_4_7_9_10_11	33.0263	-215.271	0.4182295	0	-0.070528603	0
cov1_4_7_8_9_10	33.0272	-215.272	0.418027	0	-0.067465672	0
cov3_4_6_9_10_11	33.0283	-215.272	0.4198114	0	0	0
cov1_7_8_9_10_11	33.0803	-215.298	0.4174086	0	-0.080956286	0
cov2_3_5_9_10_11	33.106	-215.311	0.419973	0	0	-0.046778729
cov6_7_8_9_10_11	33.1294	-215.323	0.4174861	0	0	0
cov2_3_8_9_10_11	33.2273	-215.372	0.4192645	0	0	-0.06175948
cov2_3_7_9_10_11	33.2302	-215.373	0.419262	0	0	-0.061745774
cov4_5_8_9_10_11	33.2686	-215.392	0.4165438	0	0	0
cov5_7_8_9_10_11	33.2689	-215.393	0.4166493	0	0	0
cov3_5_8_9_10_11	33.2694	-215.393	0.4166542	0	0	0
cov4_5_7_9_10_11	33.2716	-215.394	0.4165349	0	0	0
cov3_5_7_9_10_11	33.2724	-215.394	0.4166448	0	0	0
cov3_4_5_8_9_10	33.3151	-215.416	0.4169456	0	0	0
cov3_5_7_8_9_10	33.3154	-215.416	0.4170493	0	0	0
cov4_5_7_8_9_10	33.318	-215.417	0.4170545	0	0	0
cov3_4_5_7_9_10	33.3183	-215.417	0.4169351	0	0	0
cov2_3_4_6_7_10	33.3202	-215.418	0.4188049	0	0	-0.046286025
cov2_3_4_6_8_10	33.3215	-215.419	0.4188142	0	0	-0.046401138
cov2_5_6_9_10_11	33.3245	-215.42	0.419287	0	0	-0.03121261
cov1_2_3_6_7_10	33.326	-215.421	0.4187855	0	-0.017972703	-0.03024108
cov1_2_3_6_8_10	33.326	-215.421	0.4187925	0	-0.018279303	-0.030257001

cov2_3_5_6_7_10	33.3336	-215.425	0.4187323	0	0	0	-0.032027197
cov2_3_5_6_8_10	33.3346	-215.425	0.4187391	0	0	0	-0.032135901
cov2_3_7_8_9_10	33.3385	-215.427	0.4203146	0	0	0	-0.072308501
cov2_3_4_8_9_10	33.3386	-215.427	0.4203245	0	0	0	-0.071413847
cov2_3_4_7_9_10	33.3415	-215.429	0.4203235	0	0	0	-0.071446435
cov1_2_3_4_6_10	33.3437	-215.43	0.4187018	0	-0.024053274	0	-0.043186344
cov2_3_4_5_6_10	33.3458	-215.431	0.4184561	0	0	0	-0.051093842
cov2_3_6_7_10_11	33.3493	-215.433	0.4193636	0	0	0	-0.037797918
cov2_3_6_8_10_11	33.3507	-215.433	0.4193723	0	0	0	-0.03791589
cov1_2_6_9_10_11	33.3509	-215.434	0.41914	0	-0.038371476	0	-0.028345845
cov2_3_4_9_10_11	33.3551	-215.436	0.4197572	0	0	0	-0.069064988
cov2_4_5_6_7_10	33.3557	-215.436	0.4167782	0	0	0	-0.038215205
cov2_3_6_7_8_10	33.3582	-215.437	0.4190357	0	0	0	-0.036324557
cov2_4_5_6_8_10	33.3586	-215.437	0.4167767	0	0	0	-0.038359167
cov1_2_3_6_10_11	33.3777	-215.447	0.4198015	0	-0.027147163	0	-0.031327158
cov2_3_4_6_10_11	33.3828	-215.45	0.4195509	0	0	0	-0.051584359
cov2_5_6_7_10_11	33.406	-215.461	0.4182572	0	0	0	-0.029344177
cov2_4_8_9_10_11	33.4068	-215.462	0.4184782	0	0	0	-0.052287107
cov2_4_7_9_10_11	33.4089	-215.463	0.4184687	0	0	0	-0.052290177
cov2_5_6_8_10_11	33.4089	-215.463	0.4182571	0	0	0	-0.029464899
cov2_3_4_5_8_10	33.4122	-215.464	0.4170802	0	0	0	-0.056992935
cov1_2_3_5_6_10	33.4127	-215.464	0.4192257	0	-0.028615579	0	-0.030801311
cov2_3_4_5_7_10	33.4154	-215.466	0.4170746	0	0	0	-0.056995993
cov1_2_5_6_7_10	33.4302	-215.473	0.4177564	0	0.005183035	0	-0.028410133
cov2_5_6_7_8_10	33.4317	-215.474	0.4176955	0	0	0	-0.027375052
cov1_2_5_6_8_10	33.4336	-215.475	0.4177498	0	0.004528613	0	-0.028400601
cov2_7_8_9_10_11	33.4347	-215.475	0.4180794	0	0	0	-0.060784256
cov2_3_5_6_10_11	33.4397	-215.478	0.4198962	0	0	0	-0.037714417
cov2_4_5_6_9_10	33.4418	-215.479	0.4176523	0	0	0	-0.030478719
cov1_2_3_4_8_10	33.4437	-215.48	0.418129	0	-0.051648648	0	-0.040236044
cov1_4_6_9_10_11	33.4444	-215.48	0.4189891	0	-0.047831181	0	0
cov1_2_5_6_9_10	33.4446	-215.48	0.4178782	0	-0.009023373	0	-0.025131681
cov1_2_3_4_7_10	33.4464	-215.481	0.4181292	0	-0.051658297	0	-0.040282945
cov2_4_6_9_10_11	33.4654	-215.491	0.4196077	0	0	0	-0.03324181
cov1_2_3_8_10_11	33.4677	-215.492	0.4187889	0	-0.052675368	0	-0.031686957
cov1_2_3_7_10_11	33.4707	-215.493	0.4187919	0	-0.052679045	0	-0.031694361
cov1_5_6_9_10_11	33.4719	-215.494	0.4180244	0	-0.04026613	0	0
cov1_2_5_9_10_11	33.4734	-215.495	0.4186677	0	-0.049238132	0	-0.027836765
cov1_2_3_4_10_11	33.4754	-215.496	0.4188608	0	-0.06021973	0	-0.043485541
cov1_2_3_5_8_10	33.4777	-215.497	0.4183144	0	-0.041123599	0	-0.030585749
cov2_4_5_8_10_11	33.4799	-215.498	0.4166957	0	0	0	-0.051311358
cov1_2_3_5_7_10	33.481	-215.499	0.4183158	0	-0.041224504	0	-0.030600787
cov1_2_3_7_8_10	33.482	-215.499	0.4184096	0	-0.047822305	0	-0.031021555
cov2_4_5_7_10_11	33.4825	-215.499	0.4166862	0	0	0	-0.051314407
cov1_2_4_5_8_10	33.4881	-215.502	0.4164415	0	-0.005391574	0	-0.046226187
cov1_2_4_6_9_10	33.4894	-215.503	0.418126	0	-0.024960727	0	-0.021025225
cov1_2_6_7_10_11	33.4894	-215.503	0.4181647	0	-0.021455711	0	-0.03054214

cov2_4_5_7_8_10	33.4895	-215.503	0.4164178	0	0	0	-0.048794867
cov1_2_4_5_7_10	33.4905	-215.503	0.4164349	0	-0.005267511	0	-0.046319075
cov1_2_6_8_10_11	33.4924	-215.504	0.4181617	0	-0.022156544	0	-0.030542817
cov1_2_3_4_5_10	33.4929	-215.505	0.4181145	0	-0.043045282	0	-0.046279752
cov2_4_7_8_9_10	33.4965	-215.506	0.4194893	0	0	0	-0.060391503
cov1_2_6_7_8_10	33.5175	-215.517	0.4176264	0	-0.015950855	0	-0.029658863
cov1_2_4_6_7_10	33.5176	-215.517	0.4176017	0	-0.015951466	0	-0.030099929
cov1_2_4_6_8_10	33.5213	-215.519	0.4176008	0	-0.016617875	0	-0.029995799
cov1_2_4_9_10_11	33.5273	-215.522	0.4188596	0	-0.066865063	0	-0.023945363
cov1_3_6_8_10_11	33.5296	-215.523	0.4178908	0	-0.047292072	0	0
cov1_3_6_7_10_11	33.5297	-215.523	0.4178879	0	-0.046957692	0	0
cov2_4_6_7_10_11	33.5308	-215.524	0.418264	0	0	0	-0.03645971
cov2_6_7_8_10_11	33.5308	-215.524	0.4182495	0	0	0	-0.03675043
cov1_2_3_5_10_11	33.535	-215.526	0.4193065	0	-0.061082777	0	-0.032279112
cov1_3_5_6_7_10	33.5358	-215.526	0.4174336	0	-0.033547226	0	0
cov1_3_4_6_7_10	33.536	-215.526	0.4177818	0	-0.038512316	0	0
cov1_3_4_6_8_10	33.5361	-215.526	0.4177835	0	-0.038874314	0	0
cov1_3_5_6_8_10	33.5361	-215.526	0.4174377	0	-0.034092314	0	0
cov2_4_6_8_10_11	33.5366	-215.526	0.4182732	0	0	0	-0.03654598
cov2_4_6_7_8_10	33.5428	-215.529	0.4178826	0	0	0	-0.034706018
cov1_3_6_7_8_10	33.5441	-215.53	0.4175324	0	-0.042568095	0	0
cov1_4_5_6_9_10	33.5574	-215.537	0.4177203	0	-0.029699521	0	0
cov4_5_6_9_10_11	33.5629	-215.54	0.418456	0	0	0	0
cov1_2_5_8_10_11	33.5692	-215.543	0.4177377	0	-0.027665681	0	-0.029725995
cov1_2_5_7_10_11	33.5726	-215.544	0.4177306	0	-0.02757246	0	-0.029735942
cov1_2_5_7_8_10	33.5833	-215.55	0.4173603	0	-0.022524368	0	-0.029063151
cov1_2_4_5_9_10	33.5894	-215.553	0.4173113	0	-0.03279782	0	-0.028817357
cov3_5_6_7_10_11	33.6031	-215.56	0.4172929	0	0	0	0
cov2_3_5_8_10_11	33.6038	-215.56	0.4180963	0	0	0	-0.039465383
cov2_3_5_7_8_10	33.6039	-215.56	0.4181248	0	0	0	-0.039603952
cov3_4_5_6_7_10	33.604	-215.56	0.4172685	0	0	0	0
cov3_5_6_7_8_10	33.6043	-215.56	0.4172046	0	0	0	0
cov3_5_6_8_10_11	33.6064	-215.561	0.4172963	0	0	0	0
cov2_3_5_7_10_11	33.6071	-215.562	0.4180903	0	0	0	-0.039452091
cov3_4_5_6_8_10	33.6073	-215.562	0.4172761	0	0	0	0
cov1_3_5_6_10_11	33.6074	-215.562	0.4183932	0	-0.055556111	0	0
cov1_5_6_7_10_11	33.6083	-215.562	0.4169818	0	-0.020499004	0	0
cov1_3_4_6_10_11	33.6085	-215.562	0.4185248	0	-0.049325908	0	0
cov2_4_5_9_10_11	33.6086	-215.562	0.4178175	0	0	0	-0.050526875
cov1_5_6_8_10_11	33.6111	-215.564	0.4169785	0	-0.021177895	0	0
cov1_4_5_9_10_11	33.6148	-215.566	0.4183027	0	-0.070538022	0	0
cov1_4_5_6_7_10	33.6209	-215.569	0.4167858	0	-0.016222142	0	0
cov1_5_6_7_8_10	33.6221	-215.569	0.4166292	0	-0.015864976	0	0
cov1_4_5_6_8_10	33.624	-215.57	0.4167817	0	-0.016871723	0	0
cov2_3_4_5_10_11	33.6272	-215.572	0.4179977	0	0	0	-0.066239108
cov1_3_4_5_6_10	33.6289	-215.573	0.418287	0	-0.05096481	0	0
cov2_5_7_8_10_11	33.6328	-215.575	0.4176646	0	0	0	-0.036585516

cov4_5_6_7_10_11	33.637	-215.577	0.4169707	0	0	0	0
cov5_6_7_8_10_11	33.6375	-215.577	0.4168839	0	0	0	0
cov4_5_6_7_8_10	33.6412	-215.579	0.4167821	0	0	0	0
cov4_5_6_8_10_11	33.6418	-215.579	0.4169688	0	0	0	0
cov1_4_6_7_10_11	33.6537	-215.585	0.4176483	0	-0.035809443	0	0
cov1_4_6_8_10_11	33.6561	-215.586	0.41765	0	-0.036422989	0	0
cov1_2_4_8_10_11	33.6687	-215.592	0.4176509	0	-0.051719114	0	-0.030547339
cov1_2_7_8_10_11	33.6688	-215.592	0.4176162	0	-0.051957338	0	-0.031160737
cov1_4_6_7_8_10	33.6709	-215.594	0.4172538	0	-0.031010278	0	0
cov1_2_4_7_10_11	33.6721	-215.594	0.4176427	0	-0.05163601	0	-0.030581829
cov1_2_4_7_8_10	33.6856	-215.601	0.4172509	0	-0.046391928	0	-0.02964858
cov1_3_4_8_10_11	33.6911	-215.604	0.4177035	0	-0.071899269	0	0
cov1_3_5_8_10_11	33.693	-215.605	0.4172402	0	-0.066131873	0	0
cov1_3_4_7_10_11	33.6944	-215.605	0.4177036	0	-0.071932042	0	0
cov1_3_4_5_8_10	33.695	-215.606	0.4172737	0	-0.063188875	0	0
cov1_3_5_7_10_11	33.6965	-215.606	0.4172419	0	-0.066254997	0	0
cov1_3_4_7_8_10	33.6977	-215.607	0.4174577	0	-0.068272271	0	0
cov3_4_6_7_10_11	33.6981	-215.607	0.418163	0	0	0	0
cov1_3_4_5_7_10	33.6985	-215.607	0.417276	0	-0.063305765	0	0
cov3_4_6_7_8_10	33.6988	-215.608	0.4182586	0	0	0	0
cov1_3_5_7_8_10	33.699	-215.608	0.4170145	0	-0.062572921	0	0
cov3_4_6_8_10_11	33.7019	-215.609	0.4181733	0	0	0	0
cov1_3_7_8_10_11	33.7052	-215.611	0.4173714	0	-0.077711392	0	0
cov1_6_7_8_10_11	33.7107	-215.613	0.4168197	0	-0.044894314	0	0
cov3_4_5_9_10_11	33.7216	-215.619	0.4173442	0	0	0	0
cov2_3_4_6_7_9	33.7244	-215.62	0.4192766	0	0	0	-0.050001016
cov2_3_4_6_8_9	33.7265	-215.621	0.4192886	0	0	0	-0.050151092
cov1_2_3_6_7_9	33.7584	-215.637	0.4193292	0	-0.017190365	0	-0.031328873
cov1_2_3_6_8_9	33.7589	-215.638	0.4193318	0	-0.017636357	0	-0.03132987
cov2_4_5_6_7_9	33.764	-215.64	0.4175997	0	0	0	-0.042973822
cov2_4_5_6_8_9	33.7678	-215.642	0.4175976	0	0	0	-0.043119057
cov1_3_4_5_10_11	33.768	-215.642	0.4182852	0	-0.08379353	0	0
cov1_4_5_8_10_11	33.7744	-215.645	0.4167015	0	-0.049266638	0	0
cov2_3_6_7_9_11	33.7748	-215.645	0.4199537	0	0	0	-0.038925295
cov2_3_6_8_9_11	33.7769	-215.647	0.4199641	0	0	0	-0.039075306
cov1_4_5_7_10_11	33.778	-215.647	0.4166923	0	-0.04917889	0	0
cov1_5_7_8_10_11	33.778	-215.647	0.4164513	0	-0.048509035	0	0
cov4_6_7_8_10_11	33.7811	-215.649	0.4177624	0	0	0	0
cov1_4_5_7_8_10	33.7812	-215.649	0.4164438	0	-0.045294911	0	0
cov3_6_7_8_10_11	33.783	-215.65	0.4172638	0	0	0	0
cov2_3_5_6_7_9	33.7834	-215.65	0.4194307	0	0	0	-0.03530516
cov2_3_5_6_8_9	33.7853	-215.651	0.4194381	0	0	0	-0.035436762
cov2_3_6_7_8_9	33.7879	-215.652	0.4195617	0	0	0	-0.037147972
cov1_2_3_4_6_9	33.7939	-215.655	0.4192394	0	-0.024986836	0	-0.047752159
cov3_4_5_6_10_11	33.8142	-215.665	0.4182469	0	0	0	0
cov1_4_7_8_10_11	33.8256	-215.671	0.4171976	0	-0.06490113	0	0
cov2_5_6_7_9_11	33.8256	-215.671	0.4191121	0	0	0	-0.033321814



cov2_3_4_6_9_11	33.8276	-215.672	0.4201899	0	0	0	-0.056739577
cov2_5_6_8_9_11	33.8294	-215.673	0.4191111	0	0	0	-0.033447736
cov2_3_4_5_6_9	33.8345	-215.675	0.419246	0	0	0	-0.055441213
cov1_2_6_7_9_11	33.8359	-215.676	0.4190226	0	-0.021849737	0	-0.0317459
cov1_2_6_8_9_11	33.8388	-215.678	0.4190192	0	-0.022556988	0	-0.031747163
cov1_2_5_6_7_9	33.8488	-215.683	0.418503	0	-0.005425892	0	-0.030246903
cov2_5_6_7_8_9	33.8506	-215.683	0.4185677	0	0	0	-0.031393096
cov1_2_5_6_8_9	33.8522	-215.684	0.4184956	0	-0.006092802	0	-0.030237741
cov1_2_4_6_7_9	33.8586	-215.687	0.4181946	0	-0.016942539	0	-0.035102528
cov1_2_3_5_6_9	33.8587	-215.687	0.4199664	0	-0.039710001	0	-0.032677549
cov1_2_3_6_9_11	33.8595	-215.688	0.42055	0	-0.028111395	0	-0.032669657
cov1_2_4_6_8_9	33.8625	-215.689	0.4181895	0	-0.017629194	0	-0.035009581
cov1_2_6_7_8_9	33.8694	-215.693	0.4184413	0	-0.015850864	0	-0.030791064
cov2_4_6_7_9_11	33.8714	-215.694	0.418913	0	0	0	-0.041932756
cov2_4_6_8_9_11	33.8777	-215.697	0.4189183	0	0	0	-0.042021128
cov2_6_7_8_9_11	33.8788	-215.698	0.4191014	0	0	0	-0.038068827
cov1_2_3_4_8_9	33.8815	-215.699	0.4185433	0	-0.054668276	0	-0.043942422
cov1_2_3_4_7_9	33.8851	-215.701	0.4185432	0	-0.054667877	0	-0.043988989
cov2_4_6_7_8_9	33.8869	-215.702	0.4184841	0	0	0	-0.03996829
cov1_2_3_8_9_11	33.9257	-215.721	0.4193117	0	-0.05517242	0	-0.032964691
cov2_3_4_8_10_11	33.9268	-215.722	0.4182386	0	0	0	-0.061710702
cov2_3_7_8_10_11	33.9271	-215.722	0.4182682	0	0	0	-0.060652332
cov2_3_4_7_10_11	33.9295	-215.723	0.4182352	0	0	0	-0.06172393
cov1_2_3_7_9_11	33.9297	-215.723	0.4193124	0	-0.055156454	0	-0.032973879
cov2_3_5_6_9_11	33.9301	-215.723	0.4207144	0	0	0	-0.041795692
cov1_2_3_5_8_9	33.9432	-215.73	0.4189359	0	-0.053645079	0	-0.032472424
cov3_4_8_9_10_11	33.9433	-215.73	0.4176004	0	0	0	0
cov2_3_4_5_8_9	33.9437	-215.73	0.4175709	0	0	0	-0.062580368
cov1_2_3_7_8_9	33.9445	-215.73	0.4188864	0	-0.049681662	0	-0.032220342
cov1_2_3_4_9_11	33.9449	-215.731	0.4194273	0	-0.065012234	0	-0.048159481
cov3_4_7_9_10_11	33.946	-215.731	0.4175917	0	0	0	0
cov1_2_3_5_7_9	33.947	-215.732	0.4189378	0	-0.053753702	0	-0.032489891
cov2_3_4_5_7_9	33.9473	-215.732	0.4175626	0	0	0	-0.062574617
cov1_2_4_5_8_9	33.9543	-215.735	0.4171945	0	-0.020163126	0	-0.046943116
cov1_2_4_5_7_9	33.9576	-215.737	0.4171872	0	-0.020044206	0	-0.047030171
cov4_7_8_9_10_11	33.963	-215.74	0.4174374	0	0	0	0
cov1_3_6_7_9_11	33.9736	-215.745	0.4184658	0	-0.047720423	0	0
cov1_3_6_8_9_11	33.9739	-215.745	0.4184703	0	-0.048163981	0	0
cov2_4_5_8_9_11	33.9791	-215.748	0.4172949	0	0	0	-0.058438257
cov2_4_5_7_9_11	33.9822	-215.749	0.4172848	0	0	0	-0.058441603
cov2_4_5_7_8_9	33.9843	-215.75	0.417087	0	0	0	-0.056573693
cov1_2_3_4_5_9	33.9878	-215.752	0.418858	0	-0.058288146	0	-0.046760173
cov1_3_4_6_7_9	33.99	-215.753	0.418207	0	-0.040180177	0	0
cov1_3_4_6_8_9	33.9905	-215.753	0.418209	0	-0.040646399	0	0
cov1_3_5_6_7_9	33.9925	-215.754	0.4180869	0	-0.044631859	0	0
cov1_3_6_7_8_9	33.9926	-215.754	0.4180912	0	-0.042712966	0	0
cov1_3_5_6_8_9	33.9929	-215.755	0.4180937	0	-0.045235586	0	0

cov2_3_4_7_8_10	33.9955	-215.756	0.4191222	0	0	0	-0.068289163
cov1_2_3_5_9_11	34.0071	-215.762	0.4200302	0	-0.075681267	0	-0.034369275
cov3_5_7_8_10_11	34.016	-215.766	0.4156391	0	0	0	0
cov4_5_7_8_10_11	34.0161	-215.766	0.4156558	0	0	0	0
cov3_4_5_8_10_11	34.0166	-215.766	0.4156538	0	0	0	0
cov1_2_5_8_9_11	34.0169	-215.767	0.4184675	0	-0.041884489	0	-0.031777521
cov1_2_3_4_6_7	34.0177	-215.767	0.420504	0	-0.024616378	0	-0.05096845
cov1_2_3_4_6_8	34.0189	-215.768	0.4205113	0	-0.025159209	0	-0.050999308
cov3_4_5_7_10_11	34.0192	-215.768	0.4156418	0	0	0	0
cov1_2_5_7_9_11	34.0212	-215.769	0.4184598	0	-0.041796854	0	-0.031789162
cov1_2_5_7_8_9	34.0361	-215.776	0.418036	0	-0.035994186	0	-0.031017983
cov1_2_4_8_9_11	34.0387	-215.777	0.4182259	0	-0.056125722	0	-0.035652168
cov3_4_5_7_8_10	34.042	-215.779	0.4159526	0	0	0	0
cov1_2_4_7_9_11	34.0428	-215.78	0.4182171	0	-0.056040654	0	-0.035687246
cov1_2_7_8_9_11	34.0446	-215.78	0.4184008	0	-0.054687533	0	-0.032455479
cov1_4_6_7_9_11	34.0472	-215.782	0.418231	0	-0.039804395	0	0
cov1_5_6_7_9_11	34.0474	-215.782	0.4177406	0	-0.033490763	0	0
cov1_4_6_8_9_11	34.0496	-215.783	0.418231	0	-0.040432179	0	0
cov1_5_6_8_9_11	34.0501	-215.783	0.4177395	0	-0.034183349	0	0
cov2_3_4_5_6_7	34.0586	-215.787	0.4205862	0	0	0	-0.05821075
cov1_2_4_7_8_9	34.0601	-215.788	0.4177827	0	-0.050157974	0	-0.034674856
cov2_3_4_6_7_11	34.0607	-215.788	0.4213428	0	0	0	-0.059427631
cov1_4_5_6_7_9	34.0615	-215.789	0.4176234	0	-0.028857455	0	0
cov2_3_4_5_6_8	34.0623	-215.789	0.4206047	0	0	0	-0.058446741
cov1_4_5_6_8_9	34.0645	-215.79	0.4176218	0	-0.029519075	0	0
cov2_3_4_6_8_11	34.0647	-215.79	0.4213623	0	0	0	-0.059647421
cov1_5_6_7_8_9	34.0665	-215.791	0.4173363	0	-0.028065468	0	0
cov1_4_6_7_8_9	34.0683	-215.792	0.4177988	0	-0.034506927	0	0
cov1_3_5_6_9_11	34.0721	-215.794	0.4191476	0	-0.068921921	0	0
cov1_2_4_6_7_11	34.0725	-215.794	0.4203523	0	-0.027938645	0	-0.044485184
cov1_6_7_8_9_11	34.0751	-215.796	0.4176589	0	-0.046257655	0	0
cov1_2_4_6_8_11	34.076	-215.796	0.4203548	0	-0.028685975	0	-0.044405772
cov2_3_4_6_7_8	34.0769	-215.797	0.4209188	0	0	0	-0.057558765
cov2_4_5_6_10_11	34.081	-215.799	0.4178027	0	0	0	-0.038163919
cov2_4_5_6_7_11	34.0815	-215.799	0.4203836	0	0	0	-0.055535677
cov1_2_5_6_10_11	34.0852	-215.801	0.4181644	0	-0.015806702	0	-0.029476099
cov2_4_5_6_8_11	34.0874	-215.802	0.4203849	0	0	0	-0.055703345
cov2_4_7_8_10_11	34.0883	-215.802	0.417536	0	0	0	-0.051424935
cov1_2_3_5_6_7	34.0916	-215.804	0.4213159	0	-0.044638681	0	-0.033871992
cov1_2_3_5_6_8	34.0919	-215.804	0.4213227	0	-0.045214258	0	-0.033883909
cov1_3_4_5_6_9	34.0945	-215.805	0.4191214	0	-0.063846308	0	0
cov1_2_4_5_6_7	34.1061	-215.811	0.4196942	0	-0.012163976	0	-0.047534081
cov1_2_4_5_6_8	34.1107	-215.813	0.4196831	0	-0.013149365	0	-0.047328987
cov3_4_5_6_7_9	34.1113	-215.814	0.4179306	0	0	0	0
cov3_5_6_7_9_11	34.1122	-215.814	0.4178402	0	0	0	0
cov1_3_4_6_9_11	34.1128	-215.815	0.419092	0	-0.053359112	0	0
cov3_5_6_7_8_9	34.1131	-215.815	0.417766	0	0	0	0

cov2_4_5_6_7_8	34.1148	-215.816	0.419814	0	0	0	-0.052192683
cov3_4_5_6_8_9	34.1162	-215.816	0.417941	0	0	0	0
cov1_2_4_6_7_8	34.1171	-215.817	0.4197391	0	-0.020975906	0	-0.043173299
cov3_5_6_8_9_11	34.1172	-215.817	0.417844	0	0	0	0
cov4_5_6_7_9_11	34.1235	-215.82	0.4177624	0	0	0	0
cov5_6_7_8_9_11	34.1256	-215.821	0.4175832	0	0	0	0
cov4_5_6_7_8_9	34.1259	-215.821	0.4176217	0	0	0	0
cov4_5_6_8_9_11	34.1296	-215.823	0.4177605	0	0	0	0
cov1_2_5_6_7_11	34.1368	-215.827	0.4210331	0	-0.03433578	0	-0.033502019
cov1_2_4_6_10_11	34.1374	-215.827	0.4183341	0	-0.032325925	0	-0.026199523
cov1_2_5_6_8_11	34.1393	-215.828	0.4210346	0	-0.035028016	0	-0.033495699
cov1_2_3_5_6_11	34.1408	-215.829	0.4226524	0	-0.069607354	0	-0.03619406
cov2_4_6_7_8_11	34.1421	-215.829	0.4206087	0	0	0	-0.051529142
cov1_2_3_6_7_11	34.1456	-215.831	0.4219207	0	-0.025445949	0	-0.033424162
cov1_2_3_6_8_11	34.1468	-215.832	0.4219311	0	-0.026092842	0	-0.033433204
cov1_2_3_4_6_11	34.1527	-215.834	0.4220311	0	-0.039861913	0	-0.058255011
cov2_3_5_8_9_11	34.1548	-215.835	0.4185661	0	0	0	-0.043863786
cov2_3_5_7_8_9	34.1554	-215.836	0.4186344	0	0	0	-0.044221589
cov2_3_5_7_9_11	34.1586	-215.837	0.4185558	0	0	0	-0.043845188
cov1_2_6_7_8_11	34.1608	-215.839	0.4214192	0	-0.024969036	0	-0.033141628
cov2_5_7_8_9_11	34.1629	-215.84	0.4183344	0	0	0	-0.042298016
cov3_4_6_7_9_11	34.1665	-215.841	0.4186237	0	0	0	0
cov3_4_6_7_8_9	34.1666	-215.841	0.4186852	0	0	0	0
cov1_2_3_4_5_6	34.1673	-215.842	0.4214266	0	-0.053221315	0	-0.047011379
cov3_4_6_8_9_11	34.1717	-215.844	0.4186351	0	0	0	0
cov1_3_4_8_9_11	34.1759	-215.846	0.4181044	0	-0.077017301	0	0
cov1_2_5_6_7_8	34.1789	-215.848	0.4204226	0	-0.027433043	0	-0.032435179
cov1_3_4_7_9_11	34.1801	-215.848	0.4181021	0	-0.077029143	0	0
cov1_3_4_5_8_9	34.1826	-215.849	0.4179887	0	-0.077672199	0	0
cov1_3_7_8_9_11	34.1832	-215.85	0.4178708	0	-0.081279475	0	0
cov1_3_5_8_9_11	34.1839	-215.85	0.4178598	0	-0.080993605	0	0
cov1_3_4_7_8_9	34.1854	-215.851	0.4178198	0	-0.072784374	0	0
cov1_2_3_6_7_8	34.1864	-215.851	0.4213093	0	-0.01888839	0	-0.032385105
cov1_3_4_5_7_9	34.1867	-215.851	0.4179938	0	-0.077803526	0	0
cov1_3_5_7_9_11	34.188	-215.852	0.4178613	0	-0.081135327	0	0
cov1_3_5_7_8_9	34.1928	-215.855	0.4175884	0	-0.076686702	0	0
cov2_3_5_6_7_11	34.1952	-215.856	0.4220587	0	0	0	-0.042916736
cov2_3_5_6_8_11	34.1996	-215.858	0.4220833	0	0	0	-0.043116961
cov2_3_6_7_8_11	34.2037	-215.86	0.4220254	0	0	0	-0.040799664
cov4_6_7_8_9_11	34.2042	-215.86	0.418348	0	0	0	0
cov2_3_5_6_7_8	34.2082	-215.862	0.4216968	0	0	0	-0.041674741
cov2_5_6_7_8_11	34.2163	-215.866	0.4215381	0	0	0	-0.040670447
cov1_2_4_5_10_11	34.2342	-215.875	0.4174175	0	-0.03772838	0	-0.034644755
cov3_6_7_8_9_11	34.235	-215.876	0.4178333	0	0	0	0
cov2_3_4_5_9_11	34.2392	-215.878	0.418561	0	0	0	-0.073006166
cov1_4_5_6_10_11	34.2461	-215.881	0.4177529	0	-0.03825079	0	0
cov1_4_5_8_9_11	34.2462	-215.881	0.4175261	0	-0.065687318	0	0

cov1_2_4_5_6_10	34.2479	-215.882	0.4165539	0	0.000769789	0	-0.030458871
cov1_4_5_7_9_11	34.2507	-215.883	0.417517	0	-0.065610724	0	0
cov1_4_7_8_9_11	34.2537	-215.885	0.4177122	0	-0.071623086	0	0
cov1_5_7_8_9_11	34.256	-215.886	0.4171277	0	-0.064554689	0	0
cov1_4_5_7_8_9	34.2566	-215.886	0.4172172	0	-0.060896126	0	0
cov1_3_4_5_9_11	34.2622	-215.889	0.4191001	0	-0.1002973	0	0
cov1_2_3_4_8_11	34.2861	-215.901	0.4206942	0	-0.072507248	0	-0.052443542
cov1_2_3_4_7_11	34.2919	-215.904	0.4206971	0	-0.07253331	0	-0.05251868
cov2_3_4_5_6_11	34.2966	-215.906	0.4224193	0	0	0	-0.068568925
cov1_2_3_4_5_8	34.3095	-215.913	0.4203143	0	-0.072377772	0	-0.049097189
cov1_2_3_4_7_8	34.3138	-215.915	0.4202038	0	-0.065860981	0	-0.051386775
cov1_2_3_4_5_7	34.315	-215.916	0.42032	0	-0.07257211	0	-0.04910947
cov1_3_5_6_7_11	34.3365	-215.926	0.4204746	0	-0.075028471	0	0
cov1_3_5_6_8_11	34.3366	-215.926	0.4204825	0	-0.075623917	0	0
cov1_2_3_5_8_11	34.3457	-215.931	0.4214387	0	-0.091675295	0	-0.035976156
cov1_3_4_5_6_7	34.3469	-215.932	0.4204995	0	-0.070169159	0	0
cov1_3_4_5_6_8	34.347	-215.932	0.4205065	0	-0.07076533	0	0
cov1_2_3_5_7_11	34.3509	-215.934	0.4214489	0	-0.091970648	0	-0.036006748
cov1_3_5_6_7_8	34.3637	-215.94	0.4200193	0	-0.068846603	0	0
cov3_4_7_8_9_10	34.3674	-215.942	0.4193629	0	0	0	0
cov1_2_4_5_8_11	34.3692	-215.943	0.419929	0	-0.061875499	0	-0.048355284
cov1_2_3_5_7_8	34.371	-215.944	0.4209614	0	-0.085292195	0	-0.035109741
cov1_2_4_5_7_11	34.3753	-215.946	0.4199298	0	-0.061842735	0	-0.048409628
cov1_2_4_7_8_11	34.3758	-215.946	0.4199592	0	-0.068177577	0	-0.045036007
cov1_4_5_6_7_11	34.3867	-215.951	0.4202195	0	-0.060302945	0	0
cov3_4_5_6_9_11	34.3871	-215.952	0.4190228	0	0	0	0
cov1_4_5_6_8_11	34.3888	-215.952	0.4202202	0	-0.060982414	0	0
cov1_2_4_5_7_8	34.3968	-215.957	0.4194447	0	-0.055285773	0	-0.047299285
cov1_2_3_4_5_11	34.4028	-215.96	0.4217283	0	-0.10153457	0	-0.048604881
cov1_5_6_7_8_11	34.4028	-215.959	0.4197495	0	-0.059100057	0	0
cov1_3_4_6_7_11	34.4086	-215.962	0.4203804	0	-0.052944159	0	0
cov1_3_4_6_8_11	34.4098	-215.963	0.4203895	0	-0.053620016	0	0
cov1_3_6_7_8_11	34.4102	-215.963	0.4205776	0	-0.051265496	0	0
cov1_4_5_6_7_8	34.4152	-215.966	0.4197328	0	-0.053920668	0	0
cov1_3_4_5_6_11	34.4154	-215.966	0.4218393	0	-0.096255855	0	0
cov1_4_6_7_8_11	34.4219	-215.969	0.4201188	0	-0.05036782	0	0
cov2_3_4_8_9_11	34.4226	-215.969	0.4186085	0	0	0	-0.06665895
cov2_3_4_7_9_11	34.4258	-215.971	0.4186025	0	0	0	-0.066657966
cov2_3_7_8_9_11	34.4265	-215.971	0.4186961	0	0	0	-0.063172247
cov1_2_5_7_8_11	34.4301	-215.973	0.420563	0	-0.07452821	0	-0.034552121
cov1_3_4_6_7_8	34.4344	-215.975	0.4199228	0	-0.047228412	0	0
cov1_2_3_7_8_11	34.4431	-215.98	0.4214242	0	-0.065495054	0	-0.034449141
cov2_3_4_7_8_9	34.4924	-216.004	0.4194693	0	0	0	-0.073170502
cov1_2_5_6_9_11	34.5101	-216.013	0.4189431	0	-0.02730667	0	-0.031441412
cov1_2_4_6_9_11	34.5199	-216.018	0.4189438	0	-0.034272083	0	-0.031232633
cov2_4_7_8_9_11	34.5292	-216.023	0.4180325	0	0	0	-0.058156472
cov2_4_5_6_9_11	34.5329	-216.025	0.4185837	0	0	0	-0.042818264

cov3_4_7_8_10_11	34.6112	-216.064	0.416691	0	0	0
cov1_3_4_5_8_11	34.6228	-216.07	0.4205758	0	-0.11812637	0
cov1_3_4_5_7_11	34.6282	-216.072	0.4205888	0	-0.11845998	0
cov1_3_4_5_7_8	34.6369	-216.077	0.4202307	0	-0.11282524	0
cov1_3_5_7_8_11	34.6501	-216.083	0.4199675	0	-0.11704485	0
cov3_5_7_8_9_11	34.6659	-216.091	0.4158425	0	0	0
cov3_4_5_8_9_11	34.666	-216.091	0.4159701	0	0	0
cov3_4_5_7_9_11	34.6687	-216.092	0.4159539	0	0	0
cov3_4_5_6_7_8	34.6725	-216.094	0.4204507	0	0	0
cov3_4_5_6_7_11	34.6727	-216.094	0.4204298	0	0	0
cov4_5_6_7_8_11	34.6734	-216.095	0.42052	0	0	0
cov4_5_7_8_9_11	34.6784	-216.097	0.4161173	0	0	0
cov3_5_6_7_8_11	34.6787	-216.097	0.4201359	0	0	0
cov3_4_6_7_8_11	34.6789	-216.098	0.4205839	0	0	0
cov3_4_5_6_8_11	34.6825	-216.099	0.4204597	0	0	0
cov1_4_5_6_9_11	34.6827	-216.099	0.4186169	0	-0.051664469	0
cov2_4_5_7_8_11	34.6864	-216.101	0.4199976	0	0	-0.079682624
cov2_3_4_5_8_11	34.6868	-216.101	0.4200011	0	0	-0.079662414
cov1_4_5_7_8_11	34.6877	-216.102	0.4198378	0	-0.10211133	0
cov2_3_4_5_7_8	34.6879	-216.102	0.4200971	0	0	-0.080477682
cov2_3_4_5_7_11	34.6923	-216.104	0.419989	0	0	-0.079637316
cov1_2_4_5_6_9	34.6975	-216.107	0.4173415	0	-0.011373328	-0.031007148
cov1_2_4_5_9_11	34.6989	-216.108	0.418191	0	-0.053254324	-0.035419057
cov3_4_5_7_8_9	34.7025	-216.109	0.4163131	0	0	0
cov1_3_4_7_8_11	34.7246	-216.12	0.4199477	0	-0.093908588	0
cov3_7_8_9_10_11	34.8232	-216.17	0.4134514	0	0	0
cov1_2_4_5_6_11	34.8583	-216.187	0.4208118	0	-0.049197786	-0.036097061
cov2_3_5_7_8_11	34.9956	-216.256	0.4211843	0	0	-0.056862626
cov2_3_4_7_8_11	35.1342	-216.325	0.420763	0	0	-0.082274371
cov3_4_7_8_9_11	35.2216	-216.369	0.4169277	0	0	0
cov3_4_5_7_8_11	35.8958	-216.706	0.4186328	0	0	0
cov1_2_3_4_6_9_10	39.5242	-214.998	0.4199209	0	-0.029766209	-0.042227912
cov1_2_3_6_8_9_10	39.5328	-215.002	0.4200571	0	-0.023676717	-0.028097893
cov1_2_3_6_7_9_10	39.5329	-215.002	0.420056	0	-0.023352586	-0.028097933
cov2_3_4_6_7_9_10	39.54	-215.006	0.4201278	0	0	-0.047109217
cov2_3_4_6_8_9_10	39.5414	-215.006	0.4201367	0	0	-0.047223774
cov2_3_4_5_6_9_10	39.5426	-215.007	0.4196963	0	0	-0.051866159
cov2_3_5_6_7_9_10	39.5606	-215.016	0.4200532	0	0	-0.031535374
cov2_3_5_6_8_9_10	39.5618	-215.017	0.4200601	0	0	-0.031645037
cov2_4_5_6_7_9_10	39.5769	-215.024	0.4179532	0	0	-0.038575029
cov2_4_5_6_8_9_10	39.5802	-215.026	0.4179507	0	0	-0.038718687
cov2_3_6_7_9_10_11	39.5842	-215.028	0.4205619	0	0	-0.036857989
cov1_2_3_6_9_10_11	39.5854	-215.028	0.4209642	0	-0.03153181	-0.029044301
cov2_3_6_8_9_10_11	39.5857	-215.029	0.4205696	0	0	-0.036974952
cov2_3_6_7_8_9_10	39.5872	-215.029	0.4203722	0	0	-0.035996449
cov1_2_3_5_6_9_10	39.6026	-215.037	0.4204932	0	-0.036011652	-0.02878687
cov2_3_4_6_9_10_11	39.6029	-215.037	0.4207119	0	0	-0.051641987

cov2_5_6_7_9_10_11	39.6538	-215.063	0.4193785	0	0	0	-0.028165778
cov2_5_6_8_9_10_11	39.6571	-215.064	0.419377	0	0	0	-0.028288516
cov1_2_3_4_8_9_10	39.6606	-215.066	0.4193174	0	-0.059556004	0	-0.039498682
cov1_2_3_4_7_9_10	39.6634	-215.067	0.4193196	0	-0.059574768	0	-0.039552201
cov2_5_6_7_8_9_10	39.669	-215.07	0.4189479	0	0	0	-0.026644847
cov1_2_5_6_7_9_10	39.6692	-215.07	0.4189324	0	-0.001287168	0	-0.026353713
cov2_3_5_6_9_10_11	39.6707	-215.071	0.4210712	0	0	0	-0.036720634
cov1_2_5_6_8_9_10	39.6724	-215.072	0.4189177	0	-0.001940938	0	-0.026343088
cov2_3_4_5_8_9_10	39.679	-215.075	0.4181806	0	0	0	-0.059264733
cov2_3_4_5_7_9_10	39.6826	-215.077	0.4181652	0	0	0	-0.059262943
cov1_2_3_4_9_10_11	39.6908	-215.081	0.4199375	0	-0.066799822	0	-0.042374761
cov1_2_3_4_5_9_10	39.7012	-215.086	0.4193057	0	-0.051917278	0	-0.044927708
cov1_2_3_8_9_10_11	39.7026	-215.087	0.4199178	0	-0.058872562	0	-0.029486545
cov1_2_3_7_9_10_11	39.7057	-215.089	0.4199222	0	-0.058884886	0	-0.02949448
cov1_2_3_5_8_9_10	39.7107	-215.091	0.4195749	0	-0.051979225	0	-0.028761576
cov1_2_3_7_8_9_10	39.7107	-215.091	0.4196257	0	-0.055121203	0	-0.028956987
cov1_3_6_8_9_10_11	39.7114	-215.091	0.419192	0	-0.050138648	0	0
cov1_3_6_7_9_10_11	39.7116	-215.091	0.4191899	0	-0.049822576	0	0
cov1_2_3_5_7_9_10	39.714	-215.093	0.4195872	0	-0.052147342	0	-0.028777069
cov1_3_5_6_7_9_10	39.719	-215.095	0.4188393	0	-0.041469027	0	0
cov1_3_5_6_8_9_10	39.719	-215.095	0.4188515	0	-0.041920291	0	0
cov1_3_4_6_8_9_10	39.7191	-215.095	0.4190255	0	-0.04446664	0	0
cov1_3_4_6_7_9_10	39.7192	-215.095	0.4190242	0	-0.044133337	0	0
cov1_3_6_7_8_9_10	39.721	-215.096	0.4189037	0	-0.046352859	0	0
cov1_2_6_7_9_10_11	39.7252	-215.098	0.4192762	0	-0.025831229	0	-0.028278503
cov1_2_6_8_9_10_11	39.7282	-215.1	0.4192722	0	-0.02653269	0	-0.028279862
cov1_2_4_6_7_9_10	39.7453	-215.108	0.4187519	0	-0.021345739	0	-0.028651627
cov1_2_6_7_8_9_10	39.7459	-215.109	0.4188159	0	-0.021156603	0	-0.027511006
cov1_2_4_5_8_9_10	39.7468	-215.109	0.4175635	0	-0.013496724	0	-0.044480888
cov1_2_4_6_8_9_10	39.7489	-215.11	0.4187463	0	-0.02200643	0	-0.028562518
cov1_2_4_5_7_9_10	39.7498	-215.111	0.4175543	0	-0.013376855	0	-0.044568834
cov2_4_5_8_9_10_11	39.7575	-215.114	0.4176389	0	0	0	-0.052227742
cov1_2_3_5_9_10_11	39.7591	-215.115	0.4204197	0	-0.069309311	0	-0.030192827
cov2_4_5_7_8_9_10	39.7598	-215.116	0.4174894	0	0	0	-0.050904285
cov2_4_5_7_9_10_11	39.7604	-215.116	0.4176327	0	0	0	-0.052227293
cov1_3_5_6_9_10_11	39.7774	-215.124	0.4196774	0	-0.060776846	0	0
cov2_4_6_7_9_10_11	39.7852	-215.128	0.4193647	0	0	0	-0.035959976
cov2_6_7_8_9_10_11	39.7852	-215.128	0.4193737	0	0	0	-0.035761287
cov1_3_4_6_9_10_11	39.7853	-215.128	0.4196677	0	-0.053688568	0	0
cov2_4_6_7_8_9_10	39.7902	-215.131	0.4191189	0	0	0	-0.034816921
cov2_4_6_8_9_10_11	39.7916	-215.131	0.4193696	0	0	0	-0.036046459
cov1_3_4_5_6_9_10	39.7948	-215.133	0.4195292	0	-0.056817653	0	0
cov3_4_5_6_7_9_10	39.8229	-215.147	0.4184857	0	0	0	0
cov3_5_6_7_8_9_10	39.8231	-215.147	0.4185431	0	0	0	0
cov3_5_6_7_9_10_11	39.8231	-215.147	0.4185353	0	0	0	0
cov1_5_6_7_9_10_11	39.8247	-215.148	0.4181863	0	-0.024686436	0	0
cov3_4_5_6_8_9_10	39.8263	-215.149	0.4184935	0	0	0	0

cov3_5_6_8_9_10_11	39.8265	-215.149	0.4185381	0	0	0
cov1_5_6_8_9_10_11	39.8275	-215.149	0.4181817	0	-0.025375106	0
cov1_5_6_7_8_9_10	39.834	-215.153	0.4178966	0	-0.020888174	0
cov1_4_5_6_7_9_10	39.8342	-215.153	0.4179481	0	-0.020919854	0
cov1_2_5_8_9_10_11	39.836	-215.154	0.4187765	0	-0.034890481	-0.027610734
cov1_4_5_6_8_9_10	39.8372	-215.154	0.4179457	0	-0.021579886	0
cov1_2_5_7_9_10_11	39.8399	-215.156	0.4187693	0	-0.034798872	-0.027621872
cov1_2_5_7_8_9_10	39.8448	-215.158	0.4184799	0	-0.03085699	-0.027081006
cov4_5_6_7_9_10_11	39.867	-215.169	0.4180301	0	0	0
cov5_6_7_8_9_10_11	39.867	-215.169	0.4180631	0	0	0
cov4_5_6_7_8_9_10	39.8679	-215.17	0.4179402	0	0	0
cov4_5_6_8_9_10_11	39.8722	-215.172	0.4180271	0	0	0
cov1_4_6_7_9_10_11	39.8723	-215.172	0.4187461	0	-0.039708357	0
cov1_4_6_8_9_10_11	39.8747	-215.173	0.418747	0	-0.040330564	0
cov1_4_6_7_8_9_10	39.8843	-215.178	0.418417	0	-0.035734651	0
cov1_3_4_8_9_10_11	39.9025	-215.187	0.4188164	0	-0.078432374	0
cov2_3_4_5_9_10_11	39.9033	-215.187	0.4189656	0	0	-0.067598702
cov1_3_5_8_9_10_11	39.9034	-215.187	0.4185172	0	-0.07474905	0
cov1_3_4_5_8_9_10	39.9047	-215.188	0.4185264	0	-0.07264342	0
cov1_3_4_7_8_9_10	39.905	-215.188	0.4186475	0	-0.075933844	0
cov1_3_5_7_8_9_10	39.9057	-215.189	0.4183636	0	-0.072376386	0
cov1_3_4_7_9_10_11	39.9059	-215.189	0.4188178	0	-0.078482389	0
cov2_3_5_8_9_10_11	39.906	-215.189	0.4191085	0	0	-0.039240213
cov1_3_5_7_9_10_11	39.9069	-215.189	0.4185216	0	-0.074944797	0
cov1_3_7_8_9_10_11	39.9076	-215.189	0.4186107	0	-0.082272735	0
cov1_3_4_5_7_9_10	39.9082	-215.19	0.4185314	0	-0.072822724	0
cov2_3_5_7_9_10_11	39.9097	-215.191	0.4191019	0	0	-0.039230029
cov2_3_5_7_8_9_10	39.9102	-215.191	0.4192846	0	0	-0.040140417
cov1_6_7_8_9_10_11	39.9147	-215.193	0.4180402	0	-0.04760141	0
cov1_2_7_8_9_10_11	39.9261	-215.199	0.4186658	0	-0.058035095	-0.028961759
cov1_2_4_8_9_10_11	39.9262	-215.199	0.4186683	0	-0.058041501	-0.028929045
cov3_4_6_7_9_10_11	39.9273	-215.199	0.4193193	0	0	0
cov1_2_4_7_9_10_11	39.9301	-215.201	0.4186601	0	-0.057958443	-0.028962778
cov3_4_6_8_9_10_11	39.9312	-215.201	0.4193292	0	0	0
cov3_4_6_7_8_9_10	39.9321	-215.202	0.4195445	0	0	0
cov2_5_7_8_9_10_11	39.9369	-215.204	0.418661	0	0	-0.036274212
cov1_2_4_7_8_9_10	39.9372	-215.204	0.4183478	0	-0.053773027	-0.028198778
cov1_3_4_5_9_10_11	39.9667	-215.219	0.4193866	0	-0.090556108	0
cov3_6_7_8_9_10_11	39.9966	-215.234	0.4185187	0	0	0
cov1_4_5_8_9_10_11	40.0147	-215.243	0.4177389	0	-0.054808181	0
cov1_5_7_8_9_10_11	40.016	-215.244	0.4175905	0	-0.054356964	0
cov1_4_5_7_8_9_10	40.0182	-215.245	0.4175556	0	-0.051984369	0
cov1_4_5_7_9_10_11	40.0188	-215.245	0.4177296	0	-0.054722367	0
cov4_6_7_8_9_10_11	40.0286	-215.25	0.4188625	0	0	0
cov3_4_5_6_9_10_11	40.0287	-215.25	0.4193438	0	0	0
cov1_4_7_8_9_10_11	40.067	-215.269	0.4182368	0	-0.070584196	0
cov2_3_4_5_6_7_10	40.2589	-215.365	0.4177866	0	0	-0.046969188

cov2_3_4_5_6_8_10	40.2595	-215.365	0.4177908	0	0	0	-0.047097508
cov2_3_4_8_9_10_11	40.2716	-215.371	0.4192302	0	0	0	-0.063139993
cov2_3_7_8_9_10_11	40.2721	-215.372	0.4192677	0	0	0	-0.061773224
cov2_3_4_7_9_10_11	40.2745	-215.373	0.4192273	0	0	0	-0.063158277
cov4_5_7_8_9_10_11	40.313	-215.392	0.4165408	0	0	0	0
cov3_4_5_8_9_10_11	40.3135	-215.392	0.4165486	0	0	0	0
cov3_5_7_8_9_10_11	40.3138	-215.393	0.4166502	0	0	0	0
cov3_4_5_7_9_10_11	40.3165	-215.394	0.416537	0	0	0	0
cov1_2_3_4_6_7_10	40.3207	-215.396	0.4184737	0	-0.021304419	0	-0.040681788
cov1_2_3_4_6_8_10	40.3207	-215.396	0.4184779	0	-0.021604088	0	-0.040686357
cov1_2_5_6_9_10_11	40.3407	-215.406	0.4192109	0	-0.021488474	0	-0.027314563
cov1_2_3_4_6_10_11	40.3422	-215.407	0.4193379	0	-0.0308083	0	-0.044269722
cov2_4_5_6_9_10_11	40.3438	-215.408	0.4188098	0	0	0	-0.037845275
cov1_2_3_6_8_10_11	40.3453	-215.408	0.4192986	0	-0.023603613	0	-0.031077584
cov1_2_3_6_7_10_11	40.3454	-215.408	0.419296	0	-0.023280434	0	-0.031074622
cov2_3_4_5_6_10_11	40.3506	-215.411	0.419002	0	0	0	-0.054082561
cov2_3_4_6_7_10_11	40.3565	-215.414	0.4191277	0	0	0	-0.047691744
cov2_3_4_6_8_10_11	40.3578	-215.415	0.4191362	0	0	0	-0.047803713
cov3_4_5_7_8_9_10	40.3595	-215.415	0.4169405	0	0	0	0
cov2_4_5_6_7_10_11	40.3599	-215.416	0.4173945	0	0	0	-0.041855622
cov2_3_5_6_7_10_11	40.3626	-215.417	0.4191311	0	0	0	-0.033380699
cov2_4_5_6_8_10_11	40.3627	-215.417	0.4173935	0	0	0	-0.041992396
cov2_3_5_6_8_10_11	40.3637	-215.418	0.4191384	0	0	0	-0.033483084
cov2_3_4_6_7_8_10	40.3651	-215.418	0.4188049	0	0	0	-0.046281364
cov1_2_3_5_6_7_10	40.3685	-215.42	0.4187206	0	-0.013540704	0	-0.029941317
cov1_2_3_5_6_8_10	40.3687	-215.42	0.4187244	0	-0.014037617	0	-0.029949977
cov1_2_4_5_6_7_10	40.3689	-215.42	0.4167798	0	0.024180514	0	-0.046526128
cov1_2_3_6_7_8_10	40.3705	-215.421	0.4187852	0	-0.018128649	0	-0.030241376
cov1_2_4_5_6_8_10	40.3739	-215.423	0.416776	0	0.023309398	0	-0.046359621
cov1_2_3_4_5_6_10	40.3783	-215.425	0.4184794	0	-0.014985102	0	-0.04641975
cov2_3_5_6_7_8_10	40.3784	-215.425	0.4187319	0	0	0	-0.032042462
cov2_3_4_7_8_9_10	40.3832	-215.427	0.4203287	0	0	0	-0.07144245
cov1_2_4_6_9_10_11	40.3873	-215.429	0.419355	0	-0.036985824	0	-0.024554931
cov2_3_6_7_8_10_11	40.3942	-215.433	0.4193637	0	0	0	-0.037797936
cov2_4_5_6_7_8_10	40.4001	-215.436	0.4167781	0	0	0	-0.038268597
cov1_2_3_5_6_10_11	40.4135	-215.442	0.4198387	0	-0.034259026	0	-0.031819522
cov1_2_3_4_5_8_10	40.422	-215.447	0.4173965	0	-0.023965677	0	-0.04825658
cov1_2_3_4_5_7_10	40.4252	-215.448	0.4173977	0	-0.023990055	0	-0.048276328
cov2_5_6_7_8_10_11	40.4506	-215.461	0.4182596	0	0	0	-0.029370021
cov1_2_5_6_7_10_11	40.4509	-215.461	0.4182558	0	-0.000498205	0	-0.029256705
cov2_4_7_8_9_10_11	40.451	-215.461	0.4184745	0	0	0	-0.05229095
cov2_3_4_5_8_10_11	40.4534	-215.462	0.4172305	0	0	0	-0.058254532
cov1_2_5_6_8_10_11	40.4537	-215.463	0.4182526	0	-0.001174892	0	-0.029256491
cov2_3_4_5_7_10_11	40.4566	-215.464	0.4172238	0	0	0	-0.058248903
cov2_3_4_5_7_8_10	40.4571	-215.464	0.4170797	0	0	0	-0.056989119
cov1_2_3_4_8_10_11	40.472	-215.472	0.4185286	0	-0.056871363	0	-0.041127756
cov1_2_3_4_7_10_11	40.4746	-215.473	0.4185319	0	-0.056908306	0	-0.04118238



cov1_2_5_6_7_8_10	40.4749	-215.473	0.4177456	0	0.005043704	0	-0.028406413
cov1_4_5_6_9_10_11	40.4819	-215.477	0.4187946	0	-0.042244126	0	0
cov1_2_4_5_6_9_10	40.4851	-215.478	0.4176567	0	-0.005419524	0	-0.028679683
cov1_2_3_4_7_8_10	40.4878	-215.48	0.4181339	0	-0.051692176	0	-0.040259346
cov1_2_3_4_5_10_11	40.5039	-215.488	0.4186222	0	-0.048802305	0	-0.047649982
cov1_2_3_5_8_10_11	40.5081	-215.49	0.4186977	0	-0.04627309	0	-0.031257723
cov1_2_4_5_9_10_11	40.5102	-215.491	0.4183913	0	-0.044876714	0	-0.032672518
cov1_2_3_5_7_10_11	40.5114	-215.491	0.4187014	0	-0.046415324	0	-0.031275248
cov1_2_3_7_8_10_11	40.5117	-215.492	0.4187991	0	-0.052750322	0	-0.031686189
cov1_2_4_5_8_10_11	40.5173	-215.494	0.4168314	0	-0.0106217	0	-0.047039049
cov1_2_4_5_7_10_11	40.5201	-215.496	0.4168201	0	-0.010443083	0	-0.047113528
cov1_2_3_5_7_8_10	40.5222	-215.497	0.4183209	0	-0.041279394	0	-0.030590107
cov2_4_5_7_8_10_11	40.5242	-215.498	0.4166923	0	0	0	-0.051315019
cov1_2_4_5_7_8_10	40.5322	-215.502	0.41644	0	-0.005319585	0	-0.046282452
cov1_2_4_6_7_10_11	40.5339	-215.503	0.4181242	0	-0.021685424	0	-0.031290989
cov1_2_6_7_8_10_11	40.5341	-215.503	0.4181641	0	-0.021577585	0	-0.030542382
cov1_2_4_6_8_10_11	40.5371	-215.504	0.4181205	0	-0.022323183	0	-0.031221991
cov1_2_4_6_7_8_10	40.5623	-215.517	0.4176019	0	-0.016065513	0	-0.030084707
cov1_3_4_6_7_10_11	40.5658	-215.519	0.4181483	0	-0.043022589	0	0
cov1_3_4_6_8_10_11	40.5658	-215.519	0.4181513	0	-0.043376274	0	0
cov1_3_5_6_7_10_11	40.5667	-215.519	0.4177862	0	-0.038328376	0	0
cov1_3_5_6_8_10_11	40.5668	-215.519	0.4177912	0	-0.038850566	0	0
cov1_3_6_7_8_10_11	40.5743	-215.523	0.4178939	0	-0.047103833	0	0
cov2_4_6_7_8_10_11	40.5757	-215.523	0.4182639	0	0	0	-0.036455436
cov1_3_4_5_6_7_10	40.5785	-215.525	0.4176251	0	-0.034256321	0	0
cov1_3_4_5_6_8_10	40.5788	-215.525	0.4176326	0	-0.034797008	0	0
cov1_3_5_6_7_8_10	40.5804	-215.526	0.4174331	0	-0.033700128	0	0
cov1_3_4_6_7_8_10	40.5806	-215.526	0.4177995	0	-0.038662398	0	0
cov1_2_5_7_8_10_11	40.6139	-215.543	0.4177365	0	-0.027633855	0	-0.029727509
cov1_3_4_5_6_10_11	40.643	-215.557	0.4187644	0	-0.056275388	0	0
cov3_4_5_6_7_10_11	40.6477	-215.56	0.4173578	0	0	0	0
cov3_5_6_7_8_10_11	40.648	-215.56	0.4172933	0	0	0	0
cov2_3_5_7_8_10_11	40.6487	-215.56	0.418096	0	0	0	-0.039459401
cov3_4_5_6_7_8_10	40.6489	-215.56	0.4172686	0	0	0	0
cov3_4_5_6_8_10_11	40.651	-215.561	0.4173651	0	0	0	0
cov1_4_5_6_7_10_11	40.6513	-215.561	0.4171573	0	-0.021134192	0	0
cov1_5_6_7_8_10_11	40.6529	-215.562	0.416981	0	-0.020632613	0	0
cov1_4_5_6_8_10_11	40.6541	-215.563	0.4171609	0	-0.021828987	0	0
cov1_4_5_6_7_8_10	40.6656	-215.568	0.4167827	0	-0.016348812	0	0
cov4_5_6_7_8_10_11	40.6819	-215.577	0.4169703	0	0	0	0
cov1_4_6_7_8_10_11	40.6983	-215.585	0.417651	0	-0.035957967	0	0
cov2_3_4_5_6_7_9	40.7034	-215.587	0.4184773	0	0	0	-0.050602961
cov2_3_4_5_6_8_9	40.7049	-215.588	0.4184833	0	0	0	-0.05075802
cov1_2_4_7_8_10_11	40.7135	-215.592	0.4176493	0	-0.051696567	0	-0.030558065
cov1_2_3_4_6_7_9	40.7244	-215.598	0.4189531	0	-0.021466666	0	-0.044397973
cov1_2_3_4_6_8_9	40.7247	-215.598	0.4189496	0	-0.021828913	0	-0.044415923
cov1_3_4_5_8_10_11	40.7331	-215.602	0.4175283	0	-0.067075138	0	0

cov1_3_4_7_8_10_11	40.7352	-215.603	0.4177131	0	-0.071993645	0	0
cov1_3_4_5_7_10_11	40.7365	-215.604	0.4175319	0	-0.067219016	0	0
cov1_3_5_7_8_10_11	40.7374	-215.604	0.4172492	0	-0.066339995	0	0
cov1_3_4_5_7_8_10	40.7395	-215.605	0.417289	0	-0.063330316	0	0
cov3_4_6_7_8_10_11	40.7428	-215.607	0.418163	0	0	0	0
cov2_3_4_6_7_9_11	40.7569	-215.614	0.4196598	0	0	0	-0.051676565
cov2_3_4_6_8_9_11	40.759	-215.615	0.4196702	0	0	0	-0.051817472
cov2_4_5_6_7_9_11	40.7684	-215.62	0.4182048	0	0	0	-0.046580701
cov2_3_4_6_7_8_9	40.7693	-215.62	0.4192767	0	0	0	-0.050000702
cov1_2_3_6_7_9_11	40.7716	-215.621	0.4198915	0	-0.02312767	0	-0.032252038
cov1_2_3_6_8_9_11	40.7718	-215.622	0.4198972	0	-0.023557828	0	-0.032255407
cov2_4_5_6_8_9_11	40.7721	-215.622	0.4181988	0	0	0	-0.046719004
cov1_2_3_4_6_9_11	40.7756	-215.623	0.4199741	0	-0.03284377	0	-0.048973152
cov1_2_3_5_6_7_9	40.799	-215.635	0.4194201	0	-0.023235831	0	-0.031715265
cov1_2_3_5_6_8_9	40.7993	-215.635	0.4194244	0	-0.023778985	0	-0.03172526
cov1_2_4_5_6_7_9	40.8007	-215.636	0.4175986	0	0.012319023	0	-0.047216333
cov1_2_3_6_7_8_9	40.803	-215.637	0.4193287	0	-0.017358907	0	-0.031329191
cov1_2_4_5_6_8_9	40.8056	-215.638	0.4175959	0	0.011426434	0	-0.047052165
cov2_4_5_6_7_8_9	40.8086	-215.64	0.4175995	0	0	0	-0.043017915
cov2_3_5_6_7_9_11	40.8114	-215.641	0.419833	0	0	0	-0.036688174
cov2_3_5_6_8_9_11	40.8134	-215.642	0.4198411	0	0	0	-0.036817629
cov1_4_5_7_8_10_11	40.8192	-215.645	0.4166996	0	-0.049238725	0	0
cov2_3_6_7_8_9_11	40.8197	-215.645	0.4199536	0	0	0	-0.038928932
cov2_3_5_6_7_8_9	40.8282	-215.65	0.4194298	0	0	0	-0.035316026
cov2_3_4_5_6_9_11	40.8351	-215.653	0.419809	0	0	0	-0.058552678
cov1_2_3_4_5_6_9	40.8381	-215.655	0.4192991	0	-0.027380482	0	-0.046884231
cov1_2_3_5_6_9_11	40.8473	-215.659	0.4206485	0	-0.045985403	0	-0.033803191
cov1_2_5_6_7_9_11	40.8619	-215.667	0.4190679	0	-0.011868039	0	-0.031199957
cov1_2_5_6_8_9_11	40.8647	-215.668	0.4190637	0	-0.012551699	0	-0.031199639
cov1_2_4_6_7_9_11	40.8681	-215.67	0.4187709	0	-0.023325655	0	-0.036398993
cov2_5_6_7_8_9_11	40.8704	-215.671	0.4191119	0	0	0	-0.033338364
cov1_2_4_6_8_9_11	40.8714	-215.671	0.418771	0	-0.024024474	0	-0.036323919
cov1_2_6_7_8_9_11	40.8805	-215.676	0.4190217	0	-0.021993105	0	-0.031745774
cov1_2_5_6_7_8_9	40.8934	-215.682	0.4185033	0	-0.00556408	0	-0.030246049
cov1_2_3_4_5_8_9	40.9018	-215.687	0.418096	0	-0.037780945	0	-0.048859428
cov1_2_4_6_7_8_9	40.9033	-215.687	0.4181942	0	-0.017064433	0	-0.035093693
cov1_2_3_4_8_9_11	40.905	-215.688	0.4189927	0	-0.060583567	0	-0.044935189
cov1_2_3_4_5_7_9	40.9057	-215.689	0.4180991	0	-0.037830087	0	-0.048874478
cov1_2_3_4_7_9_11	40.9086	-215.69	0.4189939	0	-0.06060303	0	-0.04498937
cov2_4_6_7_8_9_11	40.9163	-215.694	0.4189129	0	0	0	-0.04192829
cov1_2_3_4_7_8_9	40.9258	-215.699	0.4185483	0	-0.054706916	0	-0.043963256
cov1_2_3_5_8_9_11	40.9686	-215.72	0.419375	0	-0.059559939	0	-0.033243298
cov1_2_3_7_8_9_11	40.97	-215.721	0.4193203	0	-0.05523537	0	-0.032964372
cov2_3_4_7_8_10_11	40.9716	-215.721	0.4182411	0	0	0	-0.061727995
cov1_2_3_5_7_9_11	40.9724	-215.722	0.4193809	0	-0.059721062	0	-0.033263747
cov1_2_4_5_8_9_11	40.9784	-215.725	0.4176361	0	-0.026113363	0	-0.047875437
cov1_2_4_5_7_9_11	40.9822	-215.727	0.4176247	0	-0.025950324	0	-0.047943418

cov2_3_4_5_8_9_11	40.9863	-215.729	0.4176844	0	0	0	-0.063551401
cov1_2_3_5_7_8_9	40.9876	-215.729	0.4189441	0	-0.053814957	0	-0.03247853
cov3_4_7_8_9_10_11	40.988	-215.73	0.4175973	0	0	0	0
cov2_3_4_5_7_8_9	40.9885	-215.73	0.4175689	0	0	0	-0.062570148
cov1_2_3_4_5_9_11	40.9898	-215.731	0.4194195	0	-0.064639522	0	-0.048297166
cov2_3_4_5_7_9_11	40.99	-215.731	0.4176752	0	0	0	-0.063534142
cov1_2_4_5_7_8_9	40.9987	-215.735	0.4171951	0	-0.020102157	0	-0.046988159
cov1_3_4_6_7_9_11	41.0153	-215.743	0.4186161	0	-0.045311427	0	0
cov1_3_4_6_8_9_11	41.0156	-215.743	0.418624	0	-0.045777675	0	0
cov1_2_3_4_6_7_11	41.0163	-215.744	0.4211417	0	-0.031856907	0	-0.052355898
cov1_2_3_4_6_8_11	41.0171	-215.744	0.4211486	0	-0.032379297	0	-0.052375214
cov1_3_5_6_7_9_11	41.0179	-215.745	0.4184962	0	-0.050218632	0	0
cov1_3_5_6_8_9_11	41.0181	-215.745	0.4185012	0	-0.050785497	0	0
cov1_3_6_7_8_9_11	41.0181	-215.745	0.4184656	0	-0.047893571	0	0
cov2_4_5_7_8_9_11	41.0234	-215.747	0.4172916	0	0	0	-0.058441905
cov1_3_4_5_6_7_9	41.0307	-215.751	0.4184158	0	-0.045836983	0	0
cov1_3_4_5_6_8_9	41.0309	-215.751	0.4184239	0	-0.046414895	0	0
cov1_3_4_6_7_8_9	41.0345	-215.753	0.418207	0	-0.040345504	0	0
cov1_3_5_6_7_8_9	41.037	-215.754	0.4180866	0	-0.044809059	0	0
cov1_2_3_4_5_6_7	41.0602	-215.766	0.420588	0	-0.02950993	0	-0.049326816
cov3_4_5_7_8_10_11	41.0609	-215.766	0.4156475	0	0	0	0
cov1_2_3_4_5_6_8	41.0611	-215.766	0.4205995	0	-0.03028113	0	-0.049262044
cov1_2_5_7_8_9_11	41.0618	-215.767	0.4184667	0	-0.041865774	0	-0.031778483
cov1_2_3_4_6_7_8	41.0623	-215.767	0.4205012	0	-0.024812575	0	-0.050954636
cov2_3_4_5_6_7_11	41.0774	-215.774	0.4210487	0	0	0	-0.060812837
cov2_3_4_5_6_8_11	41.0812	-215.776	0.4210656	0	0	0	-0.061045749
cov1_2_4_7_8_9_11	41.0835	-215.777	0.4182247	0	-0.056108858	0	-0.03566017
cov1_4_5_6_7_9_11	41.0861	-215.779	0.4180595	0	-0.034619783	0	0
cov1_4_5_6_8_9_11	41.0886	-215.78	0.4180627	0	-0.035311807	0	0
cov1_4_6_7_8_9_11	41.0918	-215.782	0.418231	0	-0.039957234	0	0
cov1_5_6_7_8_9_11	41.092	-215.782	0.4177419	0	-0.033642838	0	0
cov1_2_3_5_6_8_11	41.093	-215.782	0.4219487	0	-0.052390758	0	-0.034964605
cov1_2_3_5_6_7_11	41.0931	-215.782	0.4219436	0	-0.051874539	0	-0.034956022
cov1_3_4_5_6_9_11	41.0988	-215.785	0.4196606	0	-0.069850291	0	0
cov2_3_4_5_6_7_8	41.1035	-215.787	0.4205873	0	0	0	-0.058221503
cov2_3_4_6_7_8_11	41.1056	-215.788	0.4213426	0	0	0	-0.059420081
cov1_2_4_5_6_7_11	41.1059	-215.789	0.420307	0	-0.019164867	0	-0.048902003
cov1_4_5_6_7_8_9	41.1061	-215.789	0.417622	0	-0.029000816	0	0
cov1_2_4_5_6_8_11	41.1097	-215.791	0.4203108	0	-0.020057199	0	-0.048762608
cov1_2_4_6_7_8_11	41.1172	-215.794	0.4203517	0	-0.02807528	0	-0.044474901
cov1_2_4_5_6_10_11	41.1198	-215.796	0.4178573	0	-0.010651949	0	-0.034939851
cov2_4_5_6_7_8_11	41.1264	-215.799	0.4203833	0	0	0	-0.055548024
cov1_2_3_4_5_6_11	41.1325	-215.802	0.4221459	0	-0.059390079	0	-0.049119978
cov1_2_3_5_6_7_8	41.1361	-215.804	0.4213259	0	-0.044878096	0	-0.033866038
cov1_2_4_5_6_7_8	41.1508	-215.811	0.4196938	0	-0.012303793	0	-0.047522429
cov3_4_5_6_7_9_11	41.1553	-215.813	0.4180067	0	0	0	0
cov3_4_5_6_7_8_9	41.1562	-215.814	0.4179311	0	0	0	0

cov3_5_6_7_8_9_11	41.1571	-215.814	0.4178414	0	0	0	0
cov3_4_5_6_8_9_11	41.1602	-215.816	0.418015	0	0	0	0
cov4_5_6_7_8_9_11	41.1684	-215.82	0.4177625	0	0	0	0
cov1_2_5_6_7_8_11	41.1813	-215.826	0.4210321	0	-0.034499537	0	-0.033497233
cov1_2_3_6_7_8_11	41.19	-215.831	0.421926	0	-0.025662531	0	-0.033430252
cov2_3_5_7_8_9_11	41.1996	-215.835	0.4185627	0	0	0	-0.043853662
cov3_4_6_7_8_9_11	41.2111	-215.841	0.4186233	0	0	0	0
cov1_3_4_5_8_9_11	41.2172	-215.844	0.4182996	0	-0.082397609	0	0
cov1_3_4_7_8_9_11	41.2203	-215.846	0.4181113	0	-0.07709683	0	0
cov1_3_4_5_7_9_11	41.2213	-215.846	0.4183037	0	-0.082570297	0	0
cov1_3_4_5_7_8_9	41.227	-215.849	0.4180011	0	-0.077862695	0	0
cov1_3_5_7_8_9_11	41.2281	-215.85	0.4178703	0	-0.081232331	0	0
cov2_3_5_6_7_8_11	41.2401	-215.856	0.422056	0	0	0	-0.04290922
cov1_4_5_7_8_9_11	41.291	-215.881	0.4175253	0	-0.065676669	0	0
cov1_2_3_4_5_8_11	41.3264	-215.899	0.4208083	0	-0.07902291	0	-0.050182196
cov1_2_3_4_7_8_11	41.3303	-215.901	0.4207032	0	-0.072591611	0	-0.052474266
cov1_2_3_4_5_7_11	41.3319	-215.902	0.4208169	0	-0.079278631	0	-0.050188688
cov1_2_3_4_5_7_8	41.3538	-215.913	0.4203229	0	-0.072592942	0	-0.049060104
cov1_3_4_5_6_8_11	41.3624	-215.917	0.4210008	0	-0.077327594	0	0
cov1_3_4_5_6_7_11	41.3625	-215.917	0.4209937	0	-0.076780582	0	0
cov1_3_5_6_7_8_11	41.3809	-215.926	0.4204772	0	-0.075214522	0	0
cov1_2_3_5_7_8_11	41.3891	-215.93	0.4214535	0	-0.092005364	0	-0.035989662
cov1_3_4_5_6_7_8	41.3913	-215.931	0.4204995	0	-0.070360954	0	0
cov1_2_4_5_7_8_11	41.4141	-215.943	0.4199288	0	-0.061867705	0	-0.048359996
cov1_4_5_6_7_8_11	41.4311	-215.951	0.4202187	0	-0.06047614	0	0
cov1_3_4_6_7_8_11	41.4529	-215.962	0.4203801	0	-0.053137694	0	0
cov2_3_4_7_8_9_11	41.4675	-215.969	0.4186093	0	0	0	-0.066665032
cov1_2_4_5_6_9_11	41.5487	-216.01	0.4187036	0	-0.023282334	0	-0.035731478
cov1_3_4_5_7_8_11	41.6661	-216.069	0.4205937	0	-0.11848444	0	0
cov3_4_5_7_8_9_11	41.7099	-216.091	0.4159608	0	0	0	0
cov3_4_5_6_7_8_11	41.7174	-216.094	0.4204305	0	0	0	0
cov2_3_4_5_7_8_11	41.7313	-216.101	0.4199944	0	0	0	-0.079615635
cov2_3_4_5_6_7_9_10	46.4629	-214.945	0.4190421	0	0	0	-0.047850061
cov2_3_4_5_6_8_9_10	46.4637	-214.945	0.4190465	0	0	0	-0.047977732
cov1_2_3_4_6_8_9_10	46.5127	-214.97	0.4197183	0	-0.027462715	0	-0.03997005
cov1_2_3_4_6_7_9_10	46.5129	-214.97	0.4197175	0	-0.027196219	0	-0.039969946
cov1_2_3_4_6_9_10_11	46.534	-214.98	0.4204749	0	-0.035586557	0	-0.043191655
cov1_2_3_6_8_9_10_11	46.5595	-214.993	0.4204881	0	-0.028123159	0	-0.028813463
cov1_2_3_6_7_9_10_11	46.5597	-214.993	0.4204861	0	-0.027816531	0	-0.028811274
cov2_3_4_5_6_9_10_11	46.561	-214.994	0.4201329	0	0	0	-0.054294052
cov1_2_3_4_5_6_9_10	46.5613	-214.994	0.419729	0	-0.021836644	0	-0.045059428
cov1_2_3_6_7_8_9_10	46.5775	-215.002	0.4200552	0	-0.023520881	0	-0.028097888
cov1_2_3_5_6_8_9_10	46.5777	-215.002	0.4200465	0	-0.023013063	0	-0.028053473
cov1_2_3_5_6_7_9_10	46.5778	-215.002	0.4200447	0	-0.022595481	0	-0.028047162
cov2_3_4_6_7_9_10_11	46.5821	-215.004	0.4203095	0	0	0	-0.047902799
cov2_3_4_6_8_9_10_11	46.5836	-215.005	0.4203178	0	0	0	-0.048016323
cov2_3_4_6_7_8_9_10	46.5848	-215.006	0.4201274	0	0	0	-0.047098478

cov2_4_5_6_7_9_10_11	46.5936	-215.01	0.4184638	0	0	0	-0.041604145
cov2_4_5_6_8_9_10_11	46.5969	-215.012	0.4184619	0	0	0	-0.041742833
cov2_3_5_6_7_9_10_11	46.598	-215.012	0.4203282	0	0	0	-0.032469784
cov2_3_5_6_8_9_10_11	46.5992	-215.013	0.4203312	0	0	0	-0.032575093
cov1_2_4_5_6_7_9_10	46.6043	-215.015	0.4179509	0	0.018019916	0	-0.044761184
cov2_3_5_6_7_8_9_10	46.6054	-215.016	0.4200529	0	0	0	-0.031546914
cov1_2_4_5_6_8_9_10	46.6092	-215.018	0.4179494	0	0.017133658	0	-0.044597465
cov1_2_3_5_6_9_10_11	46.6149	-215.021	0.4210187	0	-0.040822344	0	-0.029675968
cov2_4_5_6_7_8_9_10	46.6214	-215.024	0.4179535	0	0	0	-0.038623969
cov2_3_6_7_8_9_10_11	46.6291	-215.028	0.420561	0	0	0	-0.036852119
cov1_2_3_4_5_8_9_10	46.6514	-215.039	0.4186587	0	-0.034547756	0	-0.046733837
cov1_2_3_4_5_7_9_10	46.6549	-215.041	0.4186602	0	-0.034647989	0	-0.046743469
cov1_2_3_4_8_9_10_11	46.695	-215.061	0.4196351	0	-0.063695237	0	-0.040212915
cov1_2_5_6_7_9_10_11	46.6964	-215.061	0.4193559	0	-0.006106913	0	-0.027088053
cov1_2_3_4_7_9_10_11	46.6976	-215.062	0.4196397	0	-0.063746556	0	-0.040275034
cov2_5_6_7_8_9_10_11	46.6985	-215.062	0.419377	0	0	0	-0.028182604
cov1_2_5_6_8_9_10_11	46.6992	-215.063	0.4193527	0	-0.00678817	0	-0.027084576
cov1_2_3_4_7_8_9_10	46.7042	-215.065	0.4193239	0	-0.059613302	0	-0.039527384
cov1_2_5_6_7_8_9_10	46.7138	-215.07	0.4189314	0	-0.001422485	0	-0.026353095
cov1_2_3_4_5_9_10_11	46.7228	-215.075	0.4197213	0	-0.056650456	0	-0.046055926
cov2_3_4_5_8_9_10_11	46.7238	-215.075	0.4182072	0	0	0	-0.059514968
cov2_3_4_5_7_8_9_10	46.7239	-215.075	0.4181778	0	0	0	-0.05926761
cov2_3_4_5_7_9_10_11	46.7274	-215.077	0.4182009	0	0	0	-0.059513551
cov1_2_3_7_8_9_10_11	46.7463	-215.086	0.4199298	0	-0.05896248	0	-0.029485123
cov1_2_3_5_8_9_10_11	46.7466	-215.087	0.4198751	0	-0.055997386	0	-0.029296195
cov1_2_3_5_7_9_10_11	46.7499	-215.088	0.4198824	0	-0.056206136	0	-0.029318564
cov1_3_4_6_8_9_10_11	46.7539	-215.09	0.4193234	0	-0.048107309	0	0
cov1_3_4_6_7_9_10_11	46.7541	-215.09	0.4193207	0	-0.047783969	0	0
cov1_3_5_6_8_9_10_11	46.7543	-215.09	0.4191389	0	-0.045810446	0	0
cov1_3_5_6_7_9_10_11	46.7544	-215.09	0.4191345	0	-0.045368372	0	0
cov1_2_3_5_7_8_9_10	46.7547	-215.091	0.4195848	0	-0.052204357	0	-0.028768299
cov1_3_6_7_8_9_10_11	46.7561	-215.091	0.4191895	0	-0.049994498	0	0
cov1_3_4_5_6_8_9_10	46.7633	-215.095	0.4189432	0	-0.042256596	0	0
cov1_3_4_5_6_7_9_10	46.7634	-215.095	0.4189377	0	-0.041792834	0	0
cov1_3_5_6_7_8_9_10	46.7635	-215.095	0.4188451	0	-0.041617331	0	0
cov1_3_4_6_7_8_9_10	46.7637	-215.095	0.4190241	0	-0.044297317	0	0
cov1_2_4_6_7_9_10_11	46.769	-215.098	0.4192013	0	-0.026266032	0	-0.029706793
cov1_2_6_7_8_9_10_11	46.7699	-215.098	0.4192755	0	-0.025961675	0	-0.028278734
cov1_2_4_6_8_9_10_11	46.7721	-215.099	0.4192009	0	-0.026950518	0	-0.029618319
cov1_2_4_5_8_9_10_11	46.7817	-215.104	0.4178707	0	-0.017646811	0	-0.045136151
cov1_2_4_5_7_9_10_11	46.785	-215.106	0.4178595	0	-0.017473562	0	-0.045207658
cov1_2_4_6_7_8_9_10	46.79	-215.108	0.4187516	0	-0.021464758	0	-0.028643512
cov1_2_4_5_7_8_9_10	46.7911	-215.109	0.4175589	0	-0.013434894	0	-0.044529256
cov2_4_5_7_8_9_10_11	46.8018	-215.114	0.4176354	0	0	0	-0.052228269
cov1_3_4_5_6_9_10_11	46.818	-215.122	0.4199308	0	-0.061260712	0	0
cov2_4_6_7_8_9_10_11	46.8301	-215.128	0.4193646	0	0	0	-0.035951864
cov3_4_5_6_7_8_9_10	46.8678	-215.147	0.4184859	0	0	0	0

cov3_4_5_6_7_9_10_11	46.8678	-215.147	0.4184762	0	0	0
cov3_5_6_7_8_9_10_11	46.868	-215.147	0.4185356	0	0	0
cov1_4_5_6_7_9_10_11	46.8693	-215.148	0.418254	0	-0.024940637	0
cov1_5_6_7_8_9_10_11	46.8693	-215.148	0.4181848	0	-0.024833318	0
cov3_4_5_6_8_9_10_11	46.8712	-215.149	0.4184842	0	0	0
cov1_4_5_6_8_9_10_11	46.8721	-215.149	0.4182582	0	-0.02564492	0
cov1_4_5_6_7_8_9_10	46.8788	-215.153	0.4179478	0	-0.02105945	0
cov1_2_5_7_8_9_10_11	46.8808	-215.154	0.4187757	0	-0.034866287	-0.027612069
cov4_5_6_7_8_9_10_11	46.9119	-215.169	0.41803	0	0	0
cov1_4_6_7_8_9_10_11	46.9169	-215.172	0.4187459	0	-0.039852286	0
cov1_3_4_5_8_9_10_11	46.9462	-215.186	0.4187037	0	-0.075344466	0
cov1_3_4_7_8_9_10_11	46.9462	-215.186	0.4188272	0	-0.078549952	0
cov1_3_5_7_8_9_10_11	46.9474	-215.187	0.4185298	0	-0.075039556	0
cov1_3_4_5_7_8_9_10	46.9487	-215.188	0.4185382	0	-0.072880564	0
cov1_3_4_5_7_9_10_11	46.9497	-215.188	0.4187116	0	-0.075571615	0
cov2_3_5_7_8_9_10_11	46.951	-215.189	0.4191082	0	0	-0.039238697
cov1_2_4_7_8_9_10_11	46.9711	-215.199	0.4186671	0	-0.05802438	-0.028937155
cov3_4_6_7_8_9_10_11	46.9719	-215.199	0.4193194	0	0	0
cov1_4_5_7_8_9_10_11	47.0596	-215.243	0.4177372	0	-0.054787099	0
cov2_3_4_5_6_7_10_11	47.2755	-215.351	0.4182694	0	0	-0.049664135
cov2_3_4_5_6_8_10_11	47.2762	-215.351	0.4182735	0	0	-0.049785884
cov1_2_3_4_5_6_7_10	47.3024	-215.364	0.4177491	0	0.005477804	-0.048493393
cov1_2_3_4_5_6_8_10	47.3034	-215.365	0.4177574	0	0.004841199	-0.04845146
cov2_3_4_5_6_7_8_10	47.3035	-215.365	0.4177855	0	0	-0.04699941
cov2_3_4_7_8_9_10_11	47.3164	-215.371	0.4192335	0	0	-0.063162825
cov1_2_3_4_6_8_10_11	47.3372	-215.382	0.4190068	0	-0.027279403	-0.041875089
cov1_2_3_4_6_7_10_11	47.3373	-215.382	0.4190044	0	-0.027012429	-0.041873409
cov3_4_5_7_8_9_10_11	47.3579	-215.392	0.4165431	0	0	0
cov1_2_3_4_6_7_8_10	47.3654	-215.396	0.4184732	0	-0.021434281	-0.040673281
cov1_2_3_4_5_6_10_11	47.3731	-215.4	0.4191087	0	-0.020485091	-0.048101392
cov1_2_4_5_6_9_10_11	47.3747	-215.401	0.4188978	0	-0.016176995	-0.032946947
cov1_2_4_5_6_7_10_11	47.3875	-215.407	0.4172901	0	0.018466674	-0.047579022
cov1_2_3_5_6_7_10_11	47.3885	-215.407	0.4192343	0	-0.01934397	-0.030803575
cov1_2_3_5_6_8_10_11	47.3885	-215.407	0.4192392	0	-0.019797271	-0.030813906
cov1_2_3_6_7_8_10_11	47.39	-215.408	0.4192983	0	-0.023454278	-0.031076738
cov1_2_4_5_6_8_10_11	47.3919	-215.409	0.4172944	0	0.017559141	-0.047436114
cov2_3_4_6_7_8_10_11	47.4013	-215.414	0.4191275	0	0	-0.047685457
cov2_4_5_6_7_8_10_11	47.4044	-215.415	0.4173911	0	0	-0.041913437
cov2_3_5_6_7_8_10_11	47.4074	-215.417	0.4191307	0	0	-0.033390091
cov1_2_3_5_6_7_8_10	47.4131	-215.42	0.4187044	0	-0.013705534	-0.029938555
cov1_2_4_5_6_7_8_10	47.4136	-215.42	0.4167782	0	0.024090357	-0.04651559
cov1_2_3_4_5_8_10_11	47.4511	-215.439	0.4177953	0	-0.029225732	-0.049075489
cov1_2_3_4_5_7_10_11	47.4544	-215.44	0.417795	0	-0.029287394	-0.049088255
cov1_2_3_4_5_7_8_10	47.4667	-215.447	0.4174038	0	-0.024067004	-0.048240727
cov1_2_5_6_7_8_10_11	47.4955	-215.461	0.4182548	0	-0.00063635	-0.029256211
cov2_3_4_5_7_8_10_11	47.4983	-215.462	0.4172301	0	0	-0.058251768
cov1_2_3_4_7_8_10_11	47.5157	-215.471	0.4185393	0	-0.056974045	-0.041163646

cov1_2_3_5_7_8_10_11	47.5524	-215.489	0.4187088	0	-0.046505174	0	-0.031268362
cov1_2_4_5_7_8_10_11	47.5617	-215.494	0.4168497	0	-0.010587093	0	-0.047056709
cov1_2_4_6_7_8_10_11	47.5787	-215.503	0.4181241	0	-0.021802041	0	-0.031282941
cov1_3_4_5_6_7_10_11	47.6089	-215.518	0.4180021	0	-0.039192613	0	0
cov1_3_4_5_6_8_10_11	47.609	-215.518	0.4180122	0	-0.039707976	0	0
cov1_3_4_6_7_8_10_11	47.6104	-215.518	0.4181477	0	-0.043183669	0	0
cov1_3_5_6_7_8_10_11	47.6112	-215.519	0.4177862	0	-0.038486284	0	0
cov1_3_4_5_6_7_8_10	47.6231	-215.525	0.4176237	0	-0.034485557	0	0
cov3_4_5_6_7_8_10_11	47.6926	-215.56	0.4173572	0	0	0	0
cov1_4_5_6_7_8_10_11	47.696	-215.561	0.4171572	0	-0.021273175	0	0
cov2_3_4_5_6_7_9_11	47.7184	-215.572	0.4189638	0	0	0	-0.053351191
cov2_3_4_5_6_8_9_11	47.7199	-215.573	0.41897	0	0	0	-0.053502156
cov1_2_3_4_6_7_9_11	47.7337	-215.58	0.4195419	0	-0.027871556	0	-0.045707187
cov1_2_3_4_6_8_9_11	47.7338	-215.58	0.4195447	0	-0.028229614	0	-0.045718767
cov1_2_3_4_5_6_7_9	47.7469	-215.587	0.4185177	0	-0.005484892	0	-0.049075923
cov1_2_3_4_5_6_8_9	47.748	-215.587	0.4185291	0	-0.006233248	0	-0.049016535
cov2_3_4_5_6_7_8_9	47.7482	-215.587	0.4184764	0	0	0	-0.050627382
cov1_2_3_4_6_7_8_9	47.769	-215.598	0.4189387	0	-0.021667896	0	-0.044352806
cov1_3_4_5_7_8_10_11	47.7774	-215.602	0.4175408	0	-0.067310412	0	0
cov2_3_4_6_7_8_9_11	47.8017	-215.614	0.4196597	0	0	0	-0.051670488
cov1_2_3_5_6_7_9_11	47.8113	-215.619	0.4199972	0	-0.029838776	0	-0.032674472
cov1_2_3_5_6_8_9_11	47.8113	-215.619	0.4200053	0	-0.030317337	0	-0.032698116
cov1_2_4_5_6_7_9_11	47.8116	-215.619	0.4181718	0	0.005871163	0	-0.048409834
cov2_4_5_6_7_8_9_11	47.8131	-215.62	0.4182041	0	0	0	-0.046614281
cov1_2_4_5_6_8_9_11	47.8158	-215.621	0.4181757	0	0.004965408	0	-0.048268025
cov1_2_3_6_7_8_9_11	47.8161	-215.621	0.4198908	0	-0.023309891	0	-0.032250666
cov1_2_3_4_5_6_9_11	47.8204	-215.623	0.4199868	0	-0.033414062	0	-0.048758879
cov1_2_3_5_6_7_8_9	47.8435	-215.635	0.4194195	0	-0.023398422	0	-0.031715357
cov1_2_4_5_6_7_8_9	47.8455	-215.636	0.4175966	0	0.012184016	0	-0.047186843
cov2_3_5_6_7_8_9_11	47.8563	-215.641	0.4198333	0	0	0	-0.036694868
cov1_2_5_6_7_8_9_11	47.9065	-215.666	0.4190671	0	-0.012017486	0	-0.031199377
cov1_2_4_6_7_8_9_11	47.9128	-215.67	0.4187703	0	-0.023450892	0	-0.036390561
cov1_2_3_4_5_8_9_11	47.9257	-215.676	0.4185478	0	-0.04378861	0	-0.049795168
cov1_2_3_4_5_7_9_11	47.9297	-215.678	0.4185482	0	-0.043877562	0	-0.049807481
cov1_2_3_4_5_7_8_9	47.9465	-215.686	0.418104	0	-0.037914893	0	-0.048834432
cov1_2_3_4_7_8_9_11	47.949	-215.688	0.4190024	0	-0.060676665	0	-0.044968208
cov1_2_3_5_7_8_9_11	48.0127	-215.72	0.419388	0	-0.05982267	0	-0.03325491
cov1_2_4_5_7_8_9_11	48.0231	-215.725	0.417633	0	-0.026043429	0	-0.047906117
cov2_3_4_5_7_8_9_11	48.0312	-215.729	0.4176823	0	0	0	-0.063537158
cov1_3_4_5_6_7_9_11	48.0552	-215.741	0.4188569	0	-0.051641864	0	0
cov1_3_4_5_6_8_9_11	48.0552	-215.741	0.4188654	0	-0.052181125	0	0
cov1_2_3_4_5_6_7_11	48.0588	-215.743	0.421225	0	-0.036696744	0	-0.050719385
cov1_2_3_4_5_6_8_11	48.0593	-215.743	0.4212357	0	-0.037398508	0	-0.050673045
cov1_3_4_6_7_8_9_11	48.0598	-215.743	0.4186196	0	-0.045487868	0	0
cov1_2_3_4_6_7_8_11	48.0609	-215.744	0.4211198	0	-0.032032586	0	-0.052341106
cov1_3_5_6_7_8_9_11	48.0624	-215.744	0.4184965	0	-0.050404937	0	0
cov1_3_4_5_6_7_8_9	48.0752	-215.751	0.418409	0	-0.046042177	0	0

cov1_2_3_4_5_6_7_8	48.1047	-215.766	0.4205848	0	-0.029684299	0	-0.049311558
cov2_3_4_5_6_7_8_11	48.1223	-215.774	0.4210483	0	0	0	-0.060819953
cov1_4_5_6_7_8_9_11	48.1307	-215.779	0.4180594	0	-0.034771897	0	0
cov1_2_3_5_6_7_8_11	48.1375	-215.782	0.421942	0	-0.052060724	0	-0.034955567
cov1_2_4_5_6_7_8_11	48.1505	-215.788	0.4203096	0	-0.019310025	0	-0.04889141
cov3_4_5_6_7_8_9_11	48.2002	-215.813	0.4180072	0	0	0	0
cov1_3_4_5_7_8_9_11	48.2614	-215.844	0.4183138	0	-0.082672137	0	0
cov1_2_3_4_5_7_8_11	48.3703	-215.898	0.4208226	0	-0.079337471	0	-0.050144028
cov1_3_4_5_6_7_8_11	48.4069	-215.917	0.4209937	0	-0.076979795	0	0
cov2_3_4_5_6_7_9_10_11	53.4904	-214.936	0.4194247	0	0	0	-0.049932707
cov2_3_4_5_6_8_9_10_11	53.4913	-214.936	0.4194217	0	0	0	-0.050066394
cov1_2_3_4_5_6_7_9_10	53.5074	-214.944	0.4190643	0	-0.003208795	0	-0.046969218
cov2_3_4_5_6_7_8_9_10	53.5077	-214.945	0.4190405	0	0	0	-0.047876036
cov1_2_3_4_5_6_8_9_10	53.5079	-214.945	0.4190751	0	-0.003856378	0	-0.046899722
cov1_2_3_4_6_8_9_10_11	53.5367	-214.959	0.420174	0	-0.032317259	0	-0.040995697
cov1_2_3_4_6_7_9_10_11	53.5369	-214.959	0.4201681	0	-0.03208414	0	-0.041006004
cov1_2_3_4_6_7_8_9_10	53.5575	-214.97	0.4196688	0	-0.027394823	0	-0.039963125
cov1_2_3_4_5_6_9_10_11	53.5683	-214.975	0.4202753	0	-0.026582068	0	-0.046533722
cov1_2_3_6_7_8_9_10_11	53.6042	-214.993	0.4204856	0	-0.027989674	0	-0.02881178
cov1_2_3_5_6_8_9_10_11	53.6044	-214.993	0.4204834	0	-0.027887476	0	-0.028806106
cov1_2_3_5_6_7_9_10_11	53.6046	-214.993	0.4204811	0	-0.027510353	0	-0.028790118
cov1_2_3_5_6_7_8_9_10	53.6223	-215.002	0.4200692	0	-0.022747962	0	-0.028030564
cov2_3_4_6_7_8_9_10_11	53.627	-215.004	0.4203092	0	0	0	-0.0478933
cov1_2_4_5_6_7_9_10_11	53.6298	-215.006	0.4183898	0	0.013045715	0	-0.045639665
cov1_2_4_5_6_8_9_10_11	53.6342	-215.008	0.4183897	0	0.01221878	0	-0.045531333
cov2_4_5_6_7_8_9_10_11	53.6382	-215.01	0.4184628	0	0	0	-0.041641926
cov2_3_5_6_7_8_9_10_11	53.6429	-215.012	0.4203245	0	0	0	-0.032478551
cov1_2_4_5_6_7_8_9_10	53.649	-215.015	0.4179509	0	0.017909706	0	-0.044753106
cov1_2_3_4_5_8_9_10_11	53.6863	-215.034	0.4189792	0	-0.038701867	0	-0.047395008
cov1_2_3_4_5_7_9_10_11	53.6898	-215.036	0.4189779	0	-0.038842051	0	-0.047396473
cov1_2_3_4_5_7_8_9_10	53.6959	-215.039	0.4186667	0	-0.034733901	0	-0.04670484
cov1_2_3_4_7_8_9_10_11	53.7382	-215.06	0.4196476	0	-0.063818159	0	-0.040254776
cov1_2_5_6_7_8_9_10_11	53.741	-215.061	0.4193557	0	-0.00624379	0	-0.027083295
cov2_3_4_5_7_8_9_10_11	53.7687	-215.075	0.4182075	0	0	0	-0.059516708
cov1_2_3_5_7_8_9_10_11	53.7904	-215.086	0.4198904	0	-0.056304831	0	-0.029310625
cov1_3_4_5_6_8_9_10_11	53.7984	-215.09	0.4192525	0	-0.04625171	0	0
cov1_3_4_5_6_7_9_10_11	53.7986	-215.09	0.4192457	0	-0.045807971	0	0
cov1_3_4_6_7_8_9_10_11	53.7987	-215.09	0.4193166	0	-0.047941558	0	0
cov1_3_5_6_7_8_9_10_11	53.7989	-215.09	0.4191347	0	-0.04553613	0	0
cov1_3_4_5_6_7_8_9_10	53.8079	-215.095	0.418938	0	-0.041999498	0	0
cov1_2_4_6_7_8_9_10_11	53.8137	-215.098	0.4192007	0	-0.026387422	0	-0.029684468
cov1_2_4_5_7_8_9_10_11	53.8262	-215.104	0.4178672	0	-0.017563999	0	-0.045172192
cov3_4_5_6_7_8_9_10_11	53.9127	-215.147	0.4184764	0	0	0	0
cov1_4_5_6_7_8_9_10_11	53.9139	-215.148	0.4182539	0	-0.025084976	0	0
cov1_3_4_5_7_8_9_10_11	53.9901	-215.186	0.4187208	0	-0.075671142	0	0
cov2_3_4_5_6_7_8_10_11	54.3202	-215.351	0.4182681	0	0	0	-0.049687891
cov1_2_3_4_5_6_7_10_11	54.3204	-215.351	0.4182738	0	-0.000378465	0	-0.049568509



cov1_2_3_4_5_6_8_10_11	54.321	-215.351	0.4182848	0	-0.001050083	0	-0.049519613
cov1_2_3_4_5_6_7_8_10	54.3471	-215.364	0.417747	0	0.00535231	0	-0.048483602
cov1_2_3_4_6_7_8_10_11	54.3819	-215.382	0.4190045	0	-0.02714948	0	-0.041865086
cov1_2_4_5_6_7_8_10_11	54.4323	-215.407	0.4172901	0	0.018357511	0	-0.047570448
cov1_2_3_5_6_7_8_10_11	54.4331	-215.407	0.4192337	0	-0.019499969	0	-0.030803391
cov1_2_3_4_5_7_8_10_11	54.4957	-215.439	0.4178036	0	-0.029397985	0	-0.04905652
cov1_3_4_5_6_7_8_10_11	54.6534	-215.517	0.4180176	0	-0.039472497	0	0
cov1_2_3_4_5_6_7_9_11	54.757	-215.569	0.4191089	0	-0.012088617	0	-0.050296702
cov1_2_3_4_5_6_8_9_11	54.7576	-215.57	0.419118	0	-0.012771202	0	-0.050253505
cov2_3_4_5_6_7_8_9_11	54.7632	-215.572	0.418963	0	0	0	-0.053369456
cov1_2_3_4_6_7_8_9_11	54.7783	-215.58	0.419542	0	-0.028015543	0	-0.045699108
cov1_2_3_4_5_6_7_8_9	54.7916	-215.587	0.4185184	0	-0.005624095	0	-0.049068744
cov1_2_3_5_6_7_8_9_11	54.8559	-215.619	0.4199995	0	-0.029994462	0	-0.032687232
cov1_2_4_5_6_7_8_9_11	54.8563	-215.619	0.4181718	0	0.005749187	0	-0.048400236
cov1_2_3_4_5_7_8_9_11	54.9703	-215.676	0.4185581	0	-0.044001743	0	-0.049771739
cov1_3_4_5_6_7_8_9_11	55.0996	-215.741	0.4188579	0	-0.051813389	0	0
cov1_2_3_4_5_6_7_8_11	55.1034	-215.742	0.421225	0	-0.036871256	0	-0.050710743
cov1_2_3_4_5_6_7_9_10_11	60.5324	-214.935	0.4195178	0	-0.008233434	0	-0.047882969
cov1_2_3_4_5_6_8_9_10_11	60.5327	-214.935	0.4195274	0	-0.008817478	0	-0.047841082
cov2_3_4_5_6_7_8_9_10_11	60.5352	-214.936	0.4194172	0	0	0	-0.049980092
cov1_2_3_4_5_6_7_8_9_10	60.552	-214.944	0.4190664	0	-0.003372458	0	-0.046942068
cov1_2_3_4_6_7_8_9_10_11	60.5815	-214.959	0.4201745	0	-0.032232398	0	-0.040974907
cov1_2_3_5_6_7_8_9_10_11	60.6491	-214.993	0.4204806	0	-0.027678719	0	-0.028790762
cov1_2_4_5_6_7_8_9_10_11	60.6745	-215.006	0.4183896	0	0.013015993	0	-0.0456547
cov1_2_3_4_5_7_8_9_10_11	60.7306	-215.034	0.4189852	0	-0.038961632	0	-0.047362332
cov1_3_4_5_6_7_8_9_10_11	60.8431	-215.09	0.4192471	0	-0.045982595	0	0
cov1_2_3_4_5_6_7_8_10_11	61.3651	-215.351	0.4182745	0	-0.000511833	0	-0.049559237
cov1_2_3_4_5_6_7_8_9_11	61.8016	-215.569	0.4191093	0	-0.012233087	0	-0.050285544
cov1_2_3_4_5_6_7_8_9_10_11	67.5771	-214.934	0.4195161	0	-0.008464262	0	-0.04786875

SE	bsnp_rs7817754	SE	bsnp_rs2047962	SE	bsnp_rs6469668	SE	bsnp_rs6469667	SE	bsnp_rs7832958
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0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	-0.074746658	0	0	0	0
0	0	0	-0.069118853	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	-0.08823132	0	0.062838609
0	0	0	0	0	0	0	-0.088123195	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0.059494528
0	0	0	0	0	0	0	-0.073892587	0	0
0	0	0	0	0	-0.066191905	0	0	0	0
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0	0.017058073	0	0	0	0	0	0	0	0
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0	0.03384585	0	0	0	0	0	0	0	0
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0	0.014007058	0	-0.014047582	0	0	0	-0.06684731	0	0.043954425
0	0.014411578	0	-0.0141528	0	0	0	-0.066700391	0	0
0	0	0	0	0	0.010851539	0	-0.045738494	0	0.060731624
0	0	0	0	0	0.010807429	0	-0.044971217	0	0
0	0.022934717	0	0	0	0	0	0	0	0
0	0.020757496	0	-0.004999741	0	0	0	0	0	0
0	0.008244574	0	0	0	0	0	-0.046148237	0	0.053852768
0	0.023059534	0	0	0	0	0	0	0	0.033116892
0	0.008545658	0	0	0	0	0	-0.045478703	0	0
0	0.020862348	0	-0.004971976	0	0	0	0	0	0.036273202
0	0.023199488	0	0	0	0	0	0	0	-0.016355726
0	0.022859132	0	0	0	-0.000406135	0	0	0	0
0	0.023022208	0	0	0	-0.000281431	0	0	0	0.03502662
0	0	0	0	0	0	0	-0.045752424	0	0.045094387
0	0.007395984	0	0	0	0	0	-0.061923471	0	0.053120375
0	0	0	-0.017006071	0	0	0	-0.064082267	0	0.067495202
0	0	0	-0.017039739	0	0	0	-0.064017959	0	0.056501454
0	0.0077770547	0	0	0	0	0	-0.061682301	0	0
0	0.012271477	0	0	0	0.008283877	0	-0.063059198	0	0.050722027
0	0	0	-0.017283318	0	0	0	-0.063722049	0	0
0	0.012623423	0	0	0	0.008244529	0	-0.06281751	0	0
0	0.049078948	0	0	0	0.046294102	0	-0.045522682	0	0
0	0	0	0	0	0.001086168	0	-0.061920701	0	0.059838358
0	0	0	0	0	0	0	-0.061402587	0	0.057954457
0	0.007584372	0	0	0	0	0	-0.058225722	0	0.050053742
0	0	0	0	0	0.000831291	0	-0.061501752	0	0
0	0	0	-0.009510869	0	0	0	-0.053059939	0	0
0	0	0	0	0	0.002293439	0	-0.058877368	0	0.0592177
0	0.020131257	0	0	0	0	0	-0.075021115	0	0.042041288
0	0	0	-0.021230807	0	0	0	0	0	0
0	0.019902099	0	0	0	0	0	-0.077849374	0	0.064989458
0	0	0	0	0	-0.02262579	0	0	0	0
0	0.020635595	0	0	0	0	0	-0.074938135	0	0
0	0.045663029	0	0.040352731	0	-0.045078855	0	0	0	0
0	0	0	0.005278158	0	-0.026145064	0	-0.030836795	0	0
0	0.049543681	0	0.037652048	0	0	0	-0.047114905	0	0

0	0	0	0	0	-0.021570182	0	-0.03096693	0	0
0	0	0	-0.018293191	0	0	0	-0.034750051	0	0
0	0	0	-0.010916553	0	0	0	0	0	0
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0	0.037433781	0	-0.041991108	0	0	0	0	0	0
0	0	0	-0.006679053	0	-0.009666741	0	0	0	0
0	0	0	-0.010899773	0	0	0	0	0	0.052896049
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0	0	0	-0.010827484	0	0	0	0	0	0.004969434
0	0	0	0	0	-0.016123582	0	0	0	0.007494558
0	0.04382007	0	0	0	0.014963227	0	0	0	0
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0	0	0	0	0	-0.023039748	0	-0.035268372	0	0
0	0	0	0	0	0	0	0	0	0.004263001
0	0.046468693	0	0.034427391	0	0	0	-0.071925606	0	0
0	0	0	-0.008575173	0	0	0	0	0	0
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0	0.02255003	0	0.027351329	0	0	0	0	0	0.043539805
0	0	0	0	0	0	0	-0.074853875	0	0.08365397
0	0	0	0.019473653	0	-0.057090282	0	0	0	0
0	0.04891618	0	0.033249348	0	0.003212885	0	-0.067980723	0	0
0	0	0	-0.012531733	0	-0.027442142	0	-0.050425204	0	0
0	0.022058082	0	0	0	0.025061283	0	-0.047600631	0	0.039026759
0	0.022354541	0	0	0	0.025236937	0	-0.047116291	0	0
0	-0.000142928	0	-0.059503991	0	0	0	0	0	0
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0	-0.000193938	0	-0.059479785	0	0	0	0	0	0.048054782
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0	0	0	0.017119934	0	0	0	0	0	0
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0	0	0	-0.0150365	0	-0.009341341	0	-0.03124789	0	0
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0	0.038107524	0	-0.01162132	0	0	0	-0.071265994	0	0
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0	0	0	-0.008610317	0	0.017536867	0	-0.046690632	0	0.058526339
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0	0.007125837	0	0	0	0	0	-0.047472163	0	0.036690983
0	0.007553648	0	0	0	0	0	0	0	0
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0	0.032759088	0	-0.005178736	0	-0.052693456	0	0	0	0
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0	0.032597937	0	0	0	0	0	-0.047853525	0	0
0	0.040366357	0	0	0	0.021004518	0	-0.076922402	0	0
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0	0	0	-0.042155105	0	0	0	0	0.018428271
0	0.001215614	0	-0.041989344	0	0	0	0	0
0	0.001068352	0	-0.041945448	0	0	0	0	0.059641281
0	0.02955141	0	-0.008043322	0	-0.049200706	0	0	0
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0	0.031300297	0	0	0	0	0	-0.052062106	0.028789686
0	0.03154556	0	0	0	0	0	-0.051922724	0
0	0.053179391	0	0.018928115	0	0	0	-0.056215691	0
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0	0.045920286	0	0	0	0	0	-0.054986808	0
0	0.046171234	0	0	0	-0.00343579	0	-0.050001401	0

[illegible]



0	0.022725452	0	-0.014650172	0	0	0	-0.068594467	0	0.034482193
0	0.023091865	0	-0.014727541	0	0	0	-0.068486605	0	0
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0	0.018935282	0	0.033112553	0	-0.012043073	0	-0.056818515	0
0	0	0	-0.005252262	0	-0.008834781	0	-0.038138923	0
0	0.021798356	0	0.026074276	0	0	-0.066091769	0	0
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0	0.021683734	0	0.026197227	0	0	-0.062830762	0	0.04817985
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0	-0.001098262	0	0	0	0	0	-0.006281561	0
0	0.050947745	0	-0.042106418	0	0	0	-0.005774966	0
0	0.036987395	0	0	0	0	0	-0.009491861	0
0	0.060828878	0	0	0	0	0	-0.009555803	0
0	0	0	0	0	0	0	-0.009506098	0
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0	0	0	0.20550307	0	-0.26082936	0	-0.00898956	0
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0	0.048493644	0	0.20483206	0	-0.25524093	0	0	0
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0	0.011323224	0	0.20241153	0	-0.24227829	0	-0.008226492	0
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0	0.050225796	0	0.20577517	0	-0.26140961	0	0	0
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0	0.015149147	0	-0.038058959	0	0	0	-0.008122677	0
0	0.014527895	0	0	0	0	0	-0.012246807	0
0	0	0	0.20561549	0	-0.256304	0	-0.008037718	0
0	0.030126938	0	0.20564992	0	-0.2563326	0	-0.00807759	0
0	0.009282542	0	0.20491148	0	-0.25658439	0	-0.00730322	0
0	0.011575771	0	0.20641727	0	-0.2575945	0	0	0
0	0.012759613	0	0.20712574	0	-0.2529851	0	-0.008238673	0
0	0.014958426	0	0.20514023	0	-0.25445763	0	-0.007668894	0
0	0.01007722	0	0.20158002	0	-0.25152574	0	-0.007932876	0
0	0.048178675	0	0.20268934	0	-0.25780169	0	-0.005722208	0
0	0.015026532	0	0.20833329	0	-0.259464	0	-0.005605069	0
0	0.011010652	0	0	0	-0.057285361	0	-0.00935731	0
0	0.012070882	0	-0.037758279	0	0	0	-0.010645587	0
0	0.01378627	0	0.20561083	0	-0.25629203	0	-0.00804866	0

SUPPLEMENTARY TABLE 6

Model	BIC	Loglike	H2r	SE	bsnp_rs2938864	SE	bsnp_rs1001646
cov1	-0.2036	-466.662	0.4141379	0	-0.11730652	0	0
cov0	0	-470.278	0.4191907	0	0	0	0
cov5	1.0534	-467.29	0.415772	0	0	0	0
cov9	1.4954	-467.511	0.4097978	0	0	0	0
cov10	1.5331	-467.53	0.4103697	0	0	0	0
cov6	2.1785	-467.853	0.4148549	0	0	0	0
cov4	2.2903	-467.909	0.4129426	0	0	0	0
cov2	2.3505	-467.939	0.4155531	0	0	0	-0.09337137
cov11	3.5086	-468.518	0.4156561	0	0	0	0
cov5_10	3.9851	-465.242	0.4083374	0	0	0	0
cov5_9	4.1737	-465.336	0.4080858	0	0	0	0
cov1_10	5.0168	-465.757	0.4101466	0	-0.090243553	0	0
cov1_9	5.1213	-465.81	0.4099249	0	-0.089402998	0	0
cov4_10	5.134	-465.816	0.4060856	0	0	0	0
cov4_9	5.2307	-465.864	0.4057511	0	0	0	0
cov1_6	6.4553	-466.477	0.4145425	0	-0.17623011	0	0
cov1_3	6.5112	-466.505	0.4165893	0	-0.1205726	0	0
cov2_10	6.6503	-466.574	0.4104636	0	0	0	-0.064289399
cov2_9	6.6885	-466.593	0.4100647	0	0	0	-0.063355343
cov1_4	6.7364	-466.617	0.4134331	0	-0.10321563	0	0
cov1_11	6.7489	-466.624	0.4143902	0	-0.13161033	0	0
cov1_2	6.7759	-466.637	0.4141951	0	-0.13286559	0	0.0181323
cov1_5	6.7763	-466.637	0.4141993	0	-0.10039068	0	0
cov1_7	6.8217	-466.66	0.4142493	0	-0.11710126	0	0
cov6_10	6.8217	-466.66	0.4100576	0	0	0	0
cov1_8	6.8244	-466.661	0.4140756	0	-0.11741721	0	0
cov6_9	6.8921	-466.695	0.409732	0	0	0	0
cov7	6.9581	-470.243	0.4194849	0	0	0	0
cov3	6.988	-470.258	0.4200829	0	0	0	0
cov8	7	-470.264	0.4193874	0	0	0	0
cov10_11	7.0152	-466.757	0.4096663	0	0	0	0
cov9_11	7.0893	-466.794	0.4093075	0	0	0	0
cov2_5	7.8218	-467.16	0.4151871	0	0	0	-0.033054178
cov5_6	7.8841	-467.191	0.4151072	0	0	0	0
cov3_9	7.9461	-467.222	0.4120364	0	0	0	0
cov3_10	7.9514	-467.225	0.4127024	0	0	0	0
cov5_11	7.9699	-467.234	0.4152379	0	0	0	0
cov5_7	8.0474	-467.273	0.4160849	0	0	0	0
cov4_5	8.0605	-467.279	0.4152839	0	0	0	0
cov5_8	8.0738	-467.286	0.4159326	0	0	0	0
cov3_5	8.0816	-467.29	0.4156191	0	0	0	0
cov4_6	8.3431	-467.421	0.4129384	0	0	0	0
cov9_10	8.471	-467.485	0.4099483	0	0	0	0
cov8_9	8.5213	-467.51	0.4097195	0	0	0	0
cov7_9	8.5225	-467.51	0.4098571	0	0	0	0

cov8_10	8.5588	-467.529	0.4102883	0	0	0	0
cov7_10	8.5605	-467.529	0.4104263	0	0	0	0
cov4_11	8.6678	-467.583	0.4124936	0	0	0	0
cov2_6	8.707	-467.603	0.414715	0	0	0	-0.048961676
cov2_4	8.8387	-467.668	0.4135882	0	0	0	-0.050351059
cov3_6	8.9534	-467.726	0.4170516	0	0	0	0
cov6_11	9.0356	-467.767	0.4145654	0	0	0	0
cov2_11	9.0579	-467.778	0.4148818	0	0	0	-0.071036813
cov2_3	9.1392	-467.819	0.4177068	0	0	0	-0.096189046
cov6_7	9.1862	-467.842	0.4150952	0	0	0	0
cov6_8	9.2058	-467.852	0.4149268	0	0	0	0
cov3_4	9.2976	-467.898	0.4121663	0	0	0	0
cov4_8	9.3065	-467.902	0.412741	0	0	0	0
cov4_7	9.319	-467.909	0.4129098	0	0	0	0
cov2_7	9.3584	-467.928	0.4157835	0	0	0	-0.093020763
cov2_8	9.3771	-467.938	0.4156343	0	0	0	-0.093252023
cov3_11	10.1069	-468.303	0.4183156	0	0	0	0
cov7_11	10.28	-468.389	0.4162667	0	0	0	0
cov8_11	10.3706	-468.434	0.4161681	0	0	0	0
cov5_6_10	10.4687	-464.969	0.4076631	0	0	0	0
cov5_6_9	10.6938	-465.081	0.4073551	0	0	0	0
cov3_5_10	10.7638	-465.116	0.4101721	0	0	0	0
cov2_5_10	10.8867	-465.178	0.4079514	0	0	0	0.025310148
cov5_10_11	10.9651	-465.217	0.4083918	0	0	0	0
cov3_5_9	10.9762	-465.223	0.4098079	0	0	0	0
cov5_8_10	11.0045	-465.237	0.4081493	0	0	0	0
cov1_5_10	11.0047	-465.237	0.4081694	0	0.01073748	0	0
cov4_5_10	11.0128	-465.241	0.4082289	0	0	0	0
cov5_9_10	11.0137	-465.241	0.4083099	0	0	0	0
cov5_7_10	11.0142	-465.242	0.4083372	0	0	0	0
cov2_5_9	11.1023	-465.286	0.4077386	0	0	0	0.022373048
cov5_9_11	11.1534	-465.311	0.4081189	0	0	0	0
cov5_8_9	11.1945	-465.332	0.4079142	0	0	0	0
cov1_5_9	11.1988	-465.334	0.4079698	0	0.006920854	0	0
cov4_5_9	11.1993	-465.334	0.4079122	0	0	0	0
cov5_7_9	11.2027	-465.336	0.4081005	0	0	0	0
cov1_3_10	11.3213	-465.395	0.4130427	0	-0.091748991	0	0
cov1_6_10	11.4034	-465.436	0.4104929	0	-0.16625437	0	0
cov1_3_9	11.4668	-465.468	0.4127147	0	-0.090840976	0	0
cov1_6_9	11.5102	-465.49	0.4102366	0	-0.16512191	0	0
cov1_4_10	11.6008	-465.535	0.4078734	0	-0.054147119	0	0
cov1_4_9	11.7181	-465.594	0.4076425	0	-0.053600561	0	0
cov1_2_10	11.9645	-465.717	0.4101193	0	-0.10988901	0	0.023203897
cov3_4_10	11.991	-465.73	0.4076891	0	0	0	0
cov1_10_11	11.9984	-465.734	0.4103554	0	-0.10169048	0	0
cov1_8_10	12.0285	-465.749	0.4099016	0	-0.090486977	0	0
cov1_7_10	12.0448	-465.757	0.4100865	0	-0.090307056	0	0

cov1_9_10	12.0458	-465.757	0.4101355	0	-0.090181409	0	0
cov1_2_9	12.0778	-465.773	0.4099116	0	-0.10799491	0	0.021907368
cov4_10_11	12.078	-465.774	0.4062505	0	0	0	0
cov4_8_10	12.0859	-465.778	0.4055471	0	0	0	0
cov1_9_11	12.0975	-465.783	0.4101393	0	-0.10144581	0	0
cov3_4_9	12.1031	-465.786	0.4072711	0	0	0	0
cov2_4_10	12.1117	-465.79	0.4053279	0	0	0	0.018278688
cov4_7_10	12.131	-465.8	0.4057442	0	0	0	0
cov1_8_9	12.1345	-465.802	0.4096911	0	-0.089630651	0	0
cov4_9_10	12.1464	-465.808	0.4059225	0	0	0	0
cov1_7_9	12.1496	-465.809	0.4098754	0	-0.089453972	0	0
cov4_6_10	12.1595	-465.814	0.4061927	0	0	0	0
cov4_8_9	12.1873	-465.828	0.4052438	0	0	0	0
cov4_9_11	12.1879	-465.829	0.4059434	0	0	0	0
cov2_4_9	12.2141	-465.842	0.4050333	0	0	0	0.017236046
cov4_7_9	12.2307	-465.85	0.405439	0	0	0	0
cov4_6_9	12.2579	-465.864	0.4058438	0	0	0	0
cov1_7_8	12.568	-466.019	0.4136068	0	-0.11703478	0	0
cov7_8	12.7057	-469.602	0.4188778	0	0	0	0
cov2_3_10	12.9622	-466.216	0.4132714	0	0	0	-0.066130613
cov3_10_11	13.0132	-466.241	0.4127551	0	0	0	0
cov2_3_9	13.0365	-466.253	0.4127695	0	0	0	-0.065182516
cov3_9_11	13.1508	-466.31	0.4122912	0	0	0	0
cov3_6_10	13.1607	-466.315	0.412785	0	0	0	0
cov1_3_6	13.1943	-466.332	0.416869	0	-0.17745906	0	0
cov1_3_8	13.2139	-466.342	0.4175348	0	-0.12626461	0	0
cov3_6_9	13.2693	-466.369	0.4123559	0	0	0	0
cov1_3_7	13.3423	-466.406	0.4173643	0	-0.12504763	0	0
cov1_4_6	13.3833	-466.426	0.4137558	0	-0.16217942	0	0
cov1_6_11	13.4356	-466.452	0.4147469	0	-0.18567788	0	0
cov1_5_6	13.4384	-466.454	0.4145921	0	-0.15961716	0	0
cov1_2_6	13.4446	-466.457	0.4146063	0	-0.18942148	0	0.016243132
cov2_10_11	13.4563	-466.463	0.4100167	0	0	0	-0.046186482
cov1_6_8	13.4819	-466.476	0.4144521	0	-0.17651935	0	0
cov1_6_7	13.4828	-466.476	0.4146131	0	-0.17595789	0	0
cov2_6_10	13.487	-466.478	0.4102634	0	0	0	-0.041769214
cov1_2_3	13.4994	-466.484	0.4166036	0	-0.13465237	0	0.01645946
cov1_3_11	13.5131	-466.491	0.4165982	0	-0.12907928	0	0
cov2_9_11	13.5215	-466.495	0.4096883	0	0	0	-0.046529599
cov1_3_4	13.5318	-466.5	0.416195	0	-0.11566422	0	0
cov1_3_5	13.5399	-466.505	0.4166193	0	-0.12215617	0	0
cov2_6_9	13.5477	-466.508	0.4099321	0	0	0	-0.042306769
cov1_2_4	13.578	-466.524	0.4129789	0	-0.1262843	0	0.040828052
cov6_10_11	13.6384	-466.554	0.409777	0	0	0	0
cov2_9_10	13.6554	-466.562	0.4102421	0	0	0	-0.0635113
cov2_8_10	13.6718	-466.57	0.410318	0	0	0	-0.06437293
cov2_7_10	13.6792	-466.574	0.4104833	0	0	0	-0.064277265

cov1_4_11	13.6918	-466.58	0.4136977	0	-0.11747429	0	0
cov2_8_9	13.7106	-466.59	0.4099254	0	0	0	-0.063433181
cov2_7_9	13.7174	-466.593	0.4100903	0	0	0	-0.063339993
cov6_9_11	13.7242	-466.597	0.4094797	0	0	0	0
cov1_5_11	13.728	-466.599	0.4144603	0	-0.11463948	0	0
cov1_2_11	13.7369	-466.603	0.4144243	0	-0.14501646	0	0.01653912
cov1_2_5	13.7521	-466.611	0.4142646	0	-0.11589427	0	0.018804075
cov1_4_8	13.761	-466.615	0.4132923	0	-0.10308795	0	0
cov1_8_11	13.7642	-466.617	0.4141971	0	-0.13381069	0	0
cov1_4_5	13.7644	-466.617	0.4135149	0	-0.10121547	0	0
cov1_4_7	13.7647	-466.617	0.413493	0	-0.10327149	0	0
cov1_7_11	13.7776	-466.623	0.4143612	0	-0.13195398	0	0
cov1_5_7	13.7994	-466.634	0.4143406	0	-0.099734369	0	0
cov1_2_7	13.8016	-466.635	0.4143001	0	-0.13260636	0	0.018055344
cov1_2_8	13.8036	-466.636	0.4141266	0	-0.13302869	0	0.018179848
cov1_5_8	13.8051	-466.637	0.4141641	0	-0.10054818	0	0
cov5_7_8	13.8311	-466.65	0.4154725	0	0	0	0
cov6_9_10	13.8403	-466.655	0.4099164	0	0	0	0
cov6_8_10	13.844	-466.657	0.4099164	0	0	0	0
cov6_7_10	13.8503	-466.66	0.4100946	0	0	0	0
cov6_8_9	13.9152	-466.692	0.409595	0	0	0	0
cov6_7_9	13.9205	-466.695	0.4097762	0	0	0	0
cov7_10_11	13.9832	-466.726	0.4100364	0	0	0	0
cov3_7	13.9861	-470.242	0.4196453	0	0	0	0
cov3_8	14.0148	-470.257	0.419969	0	0	0	0
cov8_10_11	14.0233	-466.746	0.4098907	0	0	0	0
cov9_10_11	14.0252	-466.747	0.4094893	0	0	0	0
cov7_9_11	14.0582	-466.764	0.4096796	0	0	0	0
cov8_9_11	14.098	-466.784	0.4095318	0	0	0	0
cov7_8_9	14.138	-466.804	0.4090912	0	0	0	0
cov7_8_10	14.1766	-466.823	0.4096693	0	0	0	0
cov3_8_10	14.2105	-466.84	0.4137068	0	0	0	0
cov3_8_9	14.2586	-466.864	0.4129623	0	0	0	0
cov3_7_10	14.4318	-466.95	0.4136158	0	0	0	0
cov3_7_9	14.471	-466.97	0.412876	0	0	0	0
cov6_7_8	14.6967	-467.083	0.4142973	0	0	0	0
cov2_5_6	14.7972	-467.133	0.4149472	0	0	0	-0.025011852
cov2_5_11	14.824	-467.147	0.4149796	0	0	0	-0.028996142
cov2_5_7	14.8243	-467.147	0.415471	0	0	0	-0.032549522
cov2_3_5	14.8336	-467.151	0.4158329	0	0	0	-0.035778147
cov2_4_5	14.8387	-467.154	0.4155352	0	0	0	-0.036964731
cov2_5_8	14.8462	-467.158	0.4153094	0	0	0	-0.032839567
cov5_6_7	14.8855	-467.177	0.4153945	0	0	0	0
cov5_6_11	14.8876	-467.178	0.4149424	0	0	0	0
cov4_5_6	14.8912	-467.18	0.4146236	0	0	0	0
cov3_9_10	14.8951	-467.182	0.4122403	0	0	0	0
cov3_5_6	14.8962	-467.183	0.4157245	0	0	0	0

cov5_6_8	14.9084	-467.189	0.4152268	0	0	0	0
cov5_7_11	14.932	-467.201	0.4155992	0	0	0	0
cov4_5_11	14.9718	-467.22	0.4146819	0	0	0	0
cov5_8_11	14.9728	-467.221	0.4154741	0	0	0	0
cov3_5_11	14.9864	-467.228	0.4157736	0	0	0	0
cov3_5_7	15.0325	-467.251	0.4149824	0	0	0	0
cov4_5_7	15.0637	-467.266	0.4156649	0	0	0	0
cov4_5_8	15.0854	-467.277	0.4154403	0	0	0	0
cov3_4_5	15.0867	-467.278	0.4149825	0	0	0	0
cov3_5_8	15.0876	-467.278	0.4152856	0	0	0	0
cov2_7_8	15.0936	-467.281	0.4151288	0	0	0	-0.093082964
cov4_7_8	15.0984	-467.284	0.4123171	0	0	0	0
cov4_6_11	15.2817	-467.375	0.4127499	0	0	0	0
cov3_4_6	15.3341	-467.402	0.4140158	0	0	0	0
cov2_4_6	15.3366	-467.403	0.4131548	0	0	0	-0.016288701
cov4_6_8	15.3669	-467.418	0.4127964	0	0	0	0
cov4_6_7	15.3715	-467.42	0.41299	0	0	0	0
cov2_3_6	15.4509	-467.46	0.4170499	0	0	0	-0.050508661
cov8_9_10	15.4965	-467.483	0.4098647	0	0	0	0
cov7_9_10	15.4985	-467.484	0.4100024	0	0	0	0
cov2_4_11	15.5666	-467.518	0.4129721	0	0	0	-0.029563056
cov3_4_11	15.664	-467.567	0.4134741	0	0	0	0
cov4_7_11	15.6644	-467.567	0.4128161	0	0	0	0
cov2_6_11	15.6769	-467.573	0.4145231	0	0	0	-0.044539231
cov4_8_11	15.6903	-467.58	0.4126484	0	0	0	0
cov3_6_11	15.7078	-467.588	0.4171072	0	0	0	0
cov2_3_11	15.7105	-467.59	0.4174514	0	0	0	-0.069784663
cov2_6_7	15.7188	-467.594	0.4149349	0	0	0	-0.048771366
cov2_6_8	15.7351	-467.602	0.4147686	0	0	0	-0.048927749
cov3_6_8	15.8133	-467.641	0.4177966	0	0	0	0
cov2_3_4	15.8362	-467.653	0.4147119	0	0	0	-0.05674306
cov2_4_8	15.8646	-467.667	0.4134762	0	0	0	-0.050009919
cov2_4_7	15.8663	-467.668	0.4136648	0	0	0	-0.050592655
cov3_6_7	15.9084	-467.689	0.417569	0	0	0	0
cov7_8_11	15.9933	-467.731	0.4156192	0	0	0	0
cov6_7_11	16.0006	-467.735	0.4149571	0	0	0	0
cov2_7_11	16.0093	-467.739	0.4152753	0	0	0	-0.067847249
cov2_3_8	16.0183	-467.744	0.4184541	0	0	0	-0.099520799
cov6_8_11	16.0431	-467.756	0.414803	0	0	0	0
cov2_8_11	16.0549	-467.762	0.4151442	0	0	0	-0.068997382
cov2_3_7	16.101	-467.785	0.4182308	0	0	0	-0.098439349
cov3_4_7	16.3157	-467.892	0.4119262	0	0	0	0
cov3_4_8	16.3263	-467.898	0.4122164	0	0	0	0
cov5_7_8_10	16.6804	-464.56	0.4075795	0	0	0	0
cov5_7_8_9	16.8703	-464.655	0.4073344	0	0	0	0
cov3_7_11	17.1266	-468.298	0.4181203	0	0	0	0
cov3_8_11	17.1349	-468.302	0.4183806	0	0	0	0

cov1_3_8_10	17.2277	-464.834	0.4140383	0	-0.096451604	0	0
cov1_5_6_10	17.2772	-464.859	0.4084007	0	-0.066267135	0	0
cov3_5_8_10	17.3631	-464.902	0.4109058	0	0	0	0
cov3_5_6_10	17.3934	-464.917	0.4089594	0	0	0	0
cov1_3_8_9	17.4591	-464.95	0.4136322	0	-0.095244757	0	0
cov1_5_6_9	17.4798	-464.96	0.408163	0	-0.069537254	0	0
cov2_5_6_10	17.4831	-464.962	0.4075622	0	0	0	0.00908438
cov5_6_8_10	17.4888	-464.964	0.4074889	0	0	0	0
cov5_6_9_10	17.4913	-464.966	0.4075574	0	0	0	0
cov1_3_7_10	17.4923	-464.966	0.4139979	0	-0.095958955	0	0
cov5_6_10_11	17.4962	-464.968	0.4076384	0	0	0	0
cov4_5_6_10	17.4976	-464.969	0.4076277	0	0	0	0
cov5_6_7_10	17.4978	-464.969	0.4076609	0	0	0	0
cov3_5_7_10	17.5239	-464.982	0.4107984	0	0	0	0
cov3_5_8_9	17.6259	-465.033	0.410467	0	0	0	0
cov3_5_6_9	17.6314	-465.036	0.4085621	0	0	0	0
cov1_7_8_10	17.7084	-465.074	0.4093275	0	-0.089641078	0	0
cov1_3_7_9	17.712	-465.076	0.4135935	0	-0.094767337	0	0
cov5_6_8_9	17.7154	-465.078	0.4071965	0	0	0	0
cov2_5_6_9	17.7157	-465.078	0.4072857	0	0	0	0.006321059
cov1_3_6_10	17.7201	-465.08	0.4133153	0	-0.16703895	0	0
cov4_5_6_9	17.7214	-465.081	0.4072366	0	0	0	0
cov5_6_9_11	17.7222	-465.081	0.4073389	0	0	0	0
cov5_6_7_9	17.7228	-465.081	0.4073666	0	0	0	0
cov2_3_5_10	17.7303	-465.085	0.4096724	0	0	0	0.018199923
cov3_5_7_9	17.7757	-465.108	0.4103628	0	0	0	0
cov1_3_5_10	17.7847	-465.112	0.410465	0	-0.010635467	0	0
cov3_4_5_10	17.7903	-465.115	0.4103554	0	0	0	0
cov3_5_10_11	17.7906	-465.115	0.4101198	0	0	0	0
cov4_7_8_10	17.7906	-465.115	0.405015	0	0	0	0
cov3_5_9_10	17.7923	-465.116	0.4101411	0	0	0	0
cov1_7_8_9	17.8147	-465.127	0.4091068	0	-0.088742769	0	0
cov2_4_5_10	17.8529	-465.146	0.4069462	0	0	0	0.035653784
cov1_3_6_9	17.8687	-465.154	0.4129531	0	-0.16578559	0	0
cov4_7_8_9	17.8908	-465.165	0.4047019	0	0	0	0
cov2_5_10_11	17.8997	-465.17	0.4080184	0	0	0	0.022694531
cov1_4_6_10	17.9065	-465.173	0.4079062	0	-0.1317113	0	0
cov2_5_8_10	17.9068	-465.173	0.4077747	0	0	0	0.025242133
cov1_2_5_10	17.9076	-465.174	0.4080784	0	-0.011377212	0	0.02892871
cov2_5_9_10	17.9151	-465.178	0.4079182	0	0	0	0.025333082
cov2_5_7_10	17.9157	-465.178	0.4079578	0	0	0	0.025312729
cov2_3_5_9	17.9599	-465.2	0.4093791	0	0	0	0.015448191
cov5_8_10_11	17.9705	-465.205	0.4080994	0	0	0	0
cov1_3_5_9	17.9909	-465.215	0.4102148	0	-0.014180019	0	0
cov5_7_10_11	17.9914	-465.216	0.4082927	0	0	0	0
cov5_9_10_11	17.993	-465.216	0.4083452	0	0	0	0
cov4_5_10_11	17.9937	-465.217	0.4083273	0	0	0	0

cov1_5_10_11	17.9942	-465.217	0.4083949	0	-2.88E-05	0	0
cov3_5_9_11	18.0019	-465.221	0.40974	0	0	0	0
cov3_4_5_9	18.0048	-465.222	0.4098902	0	0	0	0
cov1_5_8_10	18.025	-465.233	0.4079992	0	0.010213936	0	0
cov1_4_6_9	18.0264	-465.233	0.4076335	0	-0.13080664	0	0
cov4_5_8_10	18.0303	-465.235	0.407956	0	0	0	0
cov1_5_9_10	18.0328	-465.236	0.4081261	0	0.011035644	0	0
cov1_4_5_10	18.033	-465.237	0.408094	0	0.010434725	0	0
cov5_8_9_10	18.0331	-465.237	0.4081214	0	0	0	0
cov1_5_7_10	18.0337	-465.237	0.4081784	0	0.010756823	0	0
cov4_5_9_10	18.0414	-465.241	0.4081972	0	0	0	0
cov4_5_7_10	18.0419	-465.241	0.4082101	0	0	0	0
cov5_7_9_10	18.0428	-465.241	0.4083096	0	0	0	0
cov1_2_4_10	18.0499	-465.245	0.4061576	0	-0.09007232	0	0.073302427
cov2_4_5_9	18.067	-465.254	0.4067062	0	0	0	0.032869875
cov2_5_9_11	18.112	-465.276	0.4078002	0	0	0	0.019519648
cov1_2_5_9	18.1195	-465.28	0.4079072	0	-0.013852971	0	0.026801994
cov2_5_8_9	18.1239	-465.282	0.4075759	0	0	0	0.022299028
cov2_5_7_9	18.1313	-465.286	0.4077602	0	0	0	0.022383111
cov5_8_9_11	18.1612	-465.301	0.4078416	0	0	0	0
cov5_7_9_11	18.1805	-465.31	0.4080352	0	0	0	0
cov4_5_9_11	18.1806	-465.31	0.4079861	0	0	0	0
cov1_5_9_11	18.1811	-465.311	0.408201	0	-0.004705464	0	0
cov1_3_4_10	18.1935	-465.317	0.4111144	0	-0.068620797	0	0
cov1_2_4_9	18.2104	-465.325	0.4060135	0	-0.088186756	0	0.070337541
cov4_5_8_9	18.2175	-465.329	0.407649	0	0	0	0
cov1_5_8_9	18.2202	-465.33	0.4078124	0	0.006419202	0	0
cov1_4_5_9	18.2251	-465.333	0.4078213	0	0.006375465	0	0
cov1_5_7_9	18.2278	-465.334	0.4079903	0	0.00698642	0	0
cov4_5_7_9	18.2284	-465.334	0.4079021	0	0	0	0
cov1_2_3_10	18.2823	-465.361	0.412968	0	-0.10971754	0	0.021237625
cov1_3_4_9	18.3412	-465.391	0.4107718	0	-0.067713802	0	0
cov1_3_10_11	18.3494	-465.395	0.4130518	0	-0.093437074	0	0
cov1_3_9_10	18.3504	-465.395	0.4130538	0	-0.091808391	0	0
cov3_4_8_10	18.3636	-465.402	0.4087481	0	0	0	0
cov1_2_6_10	18.3654	-465.403	0.4104916	0	-0.18329861	0	0.021085914
cov1_6_8_10	18.4065	-465.423	0.4102029	0	-0.1671115	0	0
cov1_6_10_11	18.4135	-465.427	0.4106315	0	-0.17220344	0	0
cov1_6_7_10	18.4276	-465.434	0.4103706	0	-0.16669267	0	0
cov1_6_9_10	18.4315	-465.436	0.4104513	0	-0.16610167	0	0
cov1_2_3_9	18.4365	-465.438	0.4126605	0	-0.10766192	0	0.019834306
cov1_2_6_9	18.4806	-465.46	0.4102457	0	-0.18106119	0	0.019704792
cov1_3_9_11	18.4932	-465.467	0.4127293	0	-0.093582795	0	0
cov1_6_8_9	18.5151	-465.478	0.4099578	0	-0.16593663	0	0
cov1_6_9_11	18.5166	-465.478	0.4103849	0	-0.17162371	0	0
cov3_4_8_9	18.5322	-465.486	0.4082467	0	0	0	0
cov1_6_7_9	18.5351	-465.488	0.4101251	0	-0.16551859	0	0



cov3_4_7_10	18.5648	-465.502	0.40863	0	0	0
cov1_4_8_10	18.5802	-465.51	0.4073688	0	-0.052944057	0
cov1_4_10_11	18.5908	-465.515	0.4080912	0	-0.064852679	0
cov1_4_7_10	18.6145	-465.527	0.4075989	0	-0.053479187	0
cov1_4_9_10	18.6289	-465.534	0.4078257	0	-0.053845942	0
cov1_4_8_9	18.7009	-465.57	0.407154	0	-0.052427578	0
cov1_4_9_11	18.7026	-465.571	0.4078669	0	-0.064991776	0
cov3_4_7_9	18.7233	-465.582	0.4081321	0	0	0
cov1_4_7_9	18.7337	-465.587	0.4073838	0	-0.052968093	0
cov3_4_10_11	18.8054	-465.623	0.4086488	0	0	0
cov3_4_9_11	18.9471	-465.694	0.4082043	0	0	0
cov1_2_10_11	18.9549	-465.697	0.4103054	0	-0.11919845	0.021969502
cov2_4_10_11	18.9656	-465.703	0.4050159	0	0	0.033098725
cov1_2_8_10	18.9747	-465.707	0.4098637	0	-0.11032473	0.023418981
cov1_8_10_11	18.9868	-465.713	0.4100236	0	-0.10519467	0
cov3_4_6_10	18.9916	-465.716	0.4082052	0	0	0
cov1_2_7_10	18.9921	-465.716	0.4100488	0	-0.11001599	0.023266248
cov1_2_9_10	18.9936	-465.717	0.4101227	0	-0.10991391	0.023211298
cov3_4_9_10	19.0026	-465.721	0.4075332	0	0	0
cov2_3_8_10	19.011	-465.726	0.4143776	0	0	-0.069678719
cov2_3_4_10	19.0142	-465.727	0.4072921	0	0	0.006651946
cov1_7_10_11	19.0175	-465.729	0.4101974	0	-0.10343846	0
cov1_9_10_11	19.0273	-465.734	0.4103365	0	-0.10160382	0
cov2_4_8_10	19.0445	-465.742	0.4046162	0	0	0.021579238
cov1_8_9_10	19.0575	-465.749	0.4098906	0	-0.090425166	0
cov1_2_9_11	19.0628	-465.751	0.4101035	0	-0.11792124	0.020603939
cov4_8_10_11	19.0642	-465.752	0.4057985	0	0	0
cov1_7_9_10	19.0738	-465.757	0.4100754	0	-0.090245061	0
cov1_8_9_11	19.087	-465.763	0.4098113	0	-0.10489636	0
cov1_2_8_9	19.0897	-465.765	0.4096682	0	-0.10840025	0.022103914
cov2_4_9_11	19.0952	-465.768	0.4047936	0	0	0.030619794
cov4_6_10_11	19.0954	-465.768	0.4060433	0	0	0
cov4_7_10_11	19.0962	-465.768	0.406028	0	0	0
cov2_4_7_10	19.0963	-465.768	0.4048532	0	0	0.020533713
cov4_9_10_11	19.0968	-465.768	0.406126	0	0	0
cov4_8_9_10	19.0986	-465.769	0.4053996	0	0	0
cov1_2_7_9	19.1058	-465.773	0.4098518	0	-0.10809955	0.021957521
cov3_4_6_9	19.1104	-465.775	0.4077435	0	0	0
cov2_4_6_10	19.1107	-465.775	0.4054376	0	0	0.024863518
cov1_3_7_8	19.113	-465.777	0.4166536	0	-0.12478411	0
cov4_6_8_10	19.1137	-465.777	0.4056219	0	0	0
cov1_7_9_11	19.1172	-465.779	0.4099849	0	-0.10314615	0
cov2_4_9_10	19.1207	-465.78	0.4051374	0	0	0.018888481
cov2_3_4_9	19.1273	-465.784	0.4069059	0	0	0.006039369
cov4_7_9_10	19.1436	-465.792	0.4055956	0	0	0
cov2_3_8_9	19.1524	-465.796	0.4137881	0	0	-0.068588727
cov2_4_8_9	19.1535	-465.797	0.4043493	0	0	0.020375798

cov4_6_7_10	19.1582	-465.799	0.405836	0	0	0	0
cov4_6_9_10	19.1735	-465.807	0.406017	0	0	0	0
cov4_8_9_11	19.1752	-465.808	0.4054945	0	0	0	0
cov2_4_7_9	19.2031	-465.822	0.4045861	0	0	0	0.019344982
cov4_6_9_11	19.2049	-465.822	0.4057203	0	0	0	0
cov4_7_9_11	19.2067	-465.823	0.4057253	0	0	0	0
cov4_6_8_9	19.216	-465.828	0.4052897	0	0	0	0
cov2_4_6_9	19.2211	-465.831	0.4051496	0	0	0	0.022807403
cov3_6_8_10	19.2588	-465.849	0.4137546	0	0	0	0
cov4_6_7_9	19.259	-465.85	0.4055047	0	0	0	0
cov2_3_7_10	19.2601	-465.85	0.4143057	0	0	0	-0.069258993
cov2_7_8_10	19.3183	-465.879	0.4097127	0	0	0	-0.063846046
cov6_7_8_10	19.3406	-465.89	0.4092785	0	0	0	0
cov2_7_8_9	19.3566	-465.898	0.4093103	0	0	0	-0.06288628
cov1_6_7_8	19.3614	-465.901	0.4139262	0	-0.16439677	0	0
cov2_3_7_9	19.3916	-465.916	0.4137203	0	0	0	-0.068171784
cov3_8_10_11	19.3956	-465.918	0.4134894	0	0	0	0
cov6_7_8_9	19.4146	-465.927	0.4089618	0	0	0	0
cov3_6_8_9	19.4386	-465.939	0.4132496	0	0	0	0
cov3_6_7_10	19.5141	-465.977	0.4136854	0	0	0	0
cov1_4_7_8	19.5173	-465.979	0.4128806	0	-0.10373747	0	0
cov1_7_8_11	19.5312	-465.986	0.4137137	0	-0.13111525	0	0
cov1_2_7_8	19.5501	-465.995	0.4136595	0	-0.13217718	0	0.017633144
cov1_5_7_8	19.5525	-465.996	0.413694	0	-0.10086186	0	0
cov2_3_10_11	19.5767	-466.008	0.4130177	0	0	0	-0.041259366
cov3_8_9_11	19.5903	-466.015	0.4129539	0	0	0	0
cov3_7_10_11	19.5978	-466.019	0.4134229	0	0	0	0
cov7_8_10_11	19.5983	-466.019	0.4092714	0	0	0	0
cov7_8_9_11	19.6743	-466.057	0.4089068	0	0	0	0
cov3_6_7_9	19.6822	-466.061	0.4131825	0	0	0	0
cov2_3_9_11	19.6976	-466.069	0.4125856	0	0	0	-0.041973142
cov3_7_8	19.7345	-469.602	0.4189563	0	0	0	0
cov3_6_10_11	19.7711	-466.106	0.4127696	0	0	0	0
cov3_7_9_11	19.7821	-466.111	0.41289	0	0	0	0
cov2_3_6_10	19.7963	-466.118	0.4131061	0	0	0	-0.043460357
cov2_3_6_9	19.8942	-466.167	0.4126716	0	0	0	-0.04403977
cov1_3_6_8	19.896	-466.168	0.4178108	0	-0.18324832	0	0
cov3_6_9_11	19.9115	-466.176	0.4123613	0	0	0	0
cov2_3_9_10	19.9718	-466.206	0.4130557	0	0	0	-0.065422467
cov1_3_6_7	20.0178	-466.229	0.4176576	0	-0.18264777	0	0
cov3_9_10_11	20.0322	-466.236	0.4126097	0	0	0	0
cov3_7_8_10	20.0619	-466.251	0.4128406	0	0	0	0
cov1_3_5_8	20.0891	-466.265	0.4186748	0	-0.16947892	0	0
cov3_7_8_9	20.1008	-466.27	0.4120906	0	0	0	0
cov1_3_8_11	20.1613	-466.301	0.4176732	0	-0.14190431	0	0
cov3_6_9_10	20.1822	-466.311	0.4126542	0	0	0	0
cov1_2_3_6	20.1909	-466.315	0.4168946	0	-0.1893813	0	0.014695417

cov1_2_3_8	20.2052	-466.323	0.4175411	0	-0.13979369	0	0.015845848
cov1_3_4_6	20.2087	-466.324	0.4163363	0	-0.17155796	0	0
cov1_3_6_11	20.2105	-466.325	0.4168793	0	-0.18237274	0	0
cov1_3_5_6	20.2231	-466.332	0.4168951	0	-0.17884044	0	0
cov1_2_4_6	20.2386	-466.339	0.4133316	0	-0.18333916	0	0.039320585
cov1_3_4_8	20.2417	-466.341	0.4177056	0	-0.12834396	0	0
cov1_3_5_7	20.2736	-466.357	0.4183007	0	-0.15962375	0	0
cov1_3_7_11	20.3032	-466.372	0.4174923	0	-0.13936239	0	0
cov1_2_3_7	20.3328	-466.386	0.4173712	0	-0.13870522	0	0.015995759
cov1_4_6_11	20.3666	-466.403	0.4139717	0	-0.17154079	0	0
cov1_3_4_7	20.3713	-466.406	0.4174023	0	-0.12550625	0	0
cov1_4_6_8	20.4051	-466.423	0.4135768	0	-0.16225974	0	0
cov1_4_5_6	20.4124	-466.426	0.4137717	0	-0.16177569	0	0
cov1_4_6_7	20.4124	-466.426	0.4137649	0	-0.16217141	0	0
cov2_6_10_11	20.4157	-466.428	0.4100047	0	0	0	-0.035946991
cov1_5_6_11	20.418	-466.429	0.4148053	0	-0.16901492	0	0
cov1_2_5_6	20.4244	-466.432	0.4146652	0	-0.17276309	0	0.016901019
cov1_2_6_11	20.4308	-466.435	0.4147899	0	-0.19732155	0	0.015033307
cov1_6_8_11	20.451	-466.446	0.4145624	0	-0.18782821	0	0
cov1_6_7_11	20.4642	-466.452	0.4147102	0	-0.18614362	0	0
cov1_5_6_7	20.4644	-466.452	0.4146931	0	-0.15896056	0	0
cov1_5_6_8	20.4662	-466.453	0.4145287	0	-0.16001307	0	0
cov1_2_3_4	20.4668	-466.453	0.4153335	0	-0.13035667	0	0.03021889
cov2_7_10_11	20.4703	-466.455	0.4101997	0	0	0	-0.044956302
cov1_2_6_8	20.4709	-466.455	0.4145108	0	-0.18977884	0	0.01630592
cov2_9_10_11	20.4721	-466.456	0.409864	0	0	0	-0.045980649
cov1_2_6_7	20.4723	-466.456	0.4146712	0	-0.1891337	0	0.016197883
cov2_8_10_11	20.485	-466.463	0.410048	0	0	0	-0.045985297
cov2_6_9_11	20.4882	-466.464	0.4097017	0	0	0	-0.036859521
cov2_6_9_10	20.5045	-466.472	0.4101143	0	0	0	-0.041831858
cov1_2_3_11	20.5056	-466.473	0.416609	0	-0.14175299	0	0.01561
cov2_6_8_10	20.5081	-466.474	0.4101088	0	0	0	-0.041835567
cov2_6_7_10	20.5159	-466.478	0.410285	0	0	0	-0.041755256
cov1_2_3_5	20.5285	-466.484	0.4166128	0	-0.13520919	0	0.016428643
cov1_3_4_11	20.5315	-466.486	0.4161559	0	-0.12391262	0	0
cov2_7_9_11	20.536	-466.488	0.4098698	0	0	0	-0.045327672
cov1_3_5_11	20.5421	-466.491	0.4165996	0	-0.12915347	0	0
cov2_8_9_11	20.5503	-466.495	0.4097164	0	0	0	-0.046352453
cov1_3_4_5	20.5527	-466.496	0.4160883	0	-0.12187957	0	0
cov1_2_4_11	20.5539	-466.497	0.4132297	0	-0.13724051	0	0.038706069
cov2_6_8_9	20.5696	-466.505	0.4097857	0	0	0	-0.042373281
cov1_2_4_5	20.5725	-466.506	0.4123669	0	-0.14391844	0	0.049853853
cov2_6_7_9	20.5765	-466.508	0.4099602	0	0	0	-0.042288208
cov5_6_7_8	20.5789	-466.509	0.4146099	0	0	0	0
cov2_5_7_8	20.5952	-466.518	0.4148329	0	0	0	-0.033342485
cov1_2_4_8	20.5964	-466.518	0.4127639	0	-0.12654667	0	0.041642759
cov1_2_4_7	20.607	-466.524	0.41297	0	-0.12630286	0	0.040892025

cov6_7_10_11	20.649	-466.545	0.4099913	0	0	0	0
cov6_9_10_11	20.6604	-466.55	0.4096652	0	0	0	0
cov6_8_10_11	20.6667	-466.553	0.409825	0	0	0	0
cov2_8_9_10	20.6768	-466.558	0.4100962	0	0	0	-0.063593892
cov2_7_9_10	20.6844	-466.562	0.4102611	0	0	0	-0.063499831
cov1_4_8_11	20.6983	-466.569	0.4134138	0	-0.11951531	0	0
cov5_7_8_11	20.7012	-466.571	0.414963	0	0	0	0
cov1_2_5_11	20.7127	-466.576	0.4145047	0	-0.12801802	0	0.017209352
cov1_4_7_11	20.7183	-466.579	0.4136038	0	-0.1181711	0	0
cov1_4_5_11	20.7193	-466.58	0.4137971	0	-0.11514025	0	0
cov6_7_9_11	20.7346	-466.587	0.4096959	0	0	0	0
cov1_5_8_11	20.7468	-466.593	0.4142887	0	-0.11709923	0	0
cov6_8_9_11	20.7524	-466.596	0.4095292	0	0	0	0
cov1_2_8_11	20.7525	-466.596	0.4142325	0	-0.14715068	0	0.016484272
cov1_5_7_11	20.7571	-466.599	0.4144559	0	-0.11470576	0	0
cov1_2_7_11	20.7657	-466.603	0.414397	0	-0.1453331	0	0.016531451
cov1_2_5_7	20.7757	-466.608	0.4143998	0	-0.11519705	0	0.01872097
cov1_2_5_8	20.7807	-466.61	0.414224	0	-0.11609744	0	0.018827431
cov1_4_5_8	20.7897	-466.615	0.4133533	0	-0.10180855	0	0
cov1_4_5_7	20.7922	-466.616	0.4136072	0	-0.10087289	0	0
cov3_5_7_8	20.8092	-466.625	0.414282	0	0	0	0
cov4_5_7_8	20.8478	-466.644	0.4150599	0	0	0	0
cov6_8_9_10	20.8626	-466.651	0.4097744	0	0	0	0
cov6_7_9_10	20.8689	-466.654	0.4099527	0	0	0	0
cov4_6_7_8	20.9908	-466.715	0.412358	0	0	0	0
cov7_9_10_11	20.9951	-466.718	0.4098604	0	0	0	0
cov8_9_10_11	21.0345	-466.737	0.4097116	0	0	0	0
cov7_8_9_10	21.1125	-466.776	0.4092392	0	0	0	0
cov3_8_9_10	21.1568	-466.798	0.4132916	0	0	0	0
cov2_6_7_8	21.3152	-466.878	0.4141629	0	0	0	-0.044378613
cov3_7_9_10	21.3779	-466.909	0.413199	0	0	0	0
cov4_7_8_11	21.417	-466.929	0.4122131	0	0	0	0
cov3_6_7_8	21.4252	-466.933	0.4167467	0	0	0	0
cov6_7_8_11	21.5516	-466.996	0.4141818	0	0	0	0
cov2_4_7_8	21.6249	-467.032	0.4130703	0	0	0	-0.051642139
cov2_7_8_11	21.7327	-467.086	0.4146131	0	0	0	-0.067536119
cov2_3_5_6	21.7895	-467.115	0.4158647	0	0	0	-0.027470687
cov2_5_6_7	21.8018	-467.121	0.4152258	0	0	0	-0.024682275
cov2_5_7_11	21.8105	-467.125	0.4152908	0	0	0	-0.027127718
cov2_3_5_11	21.815	-467.128	0.415902	0	0	0	-0.031610353
cov2_5_6_11	21.8172	-467.129	0.4148558	0	0	0	-0.02362226
cov2_5_6_8	21.8227	-467.131	0.4150576	0	0	0	-0.024899047
cov2_4_5_6	21.8244	-467.132	0.4151063	0	0	0	-0.027125441
cov2_4_5_7	21.8318	-467.136	0.4160031	0	0	0	-0.037772306
cov2_3_4_5	21.8342	-467.137	0.4167239	0	0	0	-0.043550781
cov2_5_8_11	21.8413	-467.141	0.4151495	0	0	0	-0.028012801
cov2_4_5_11	21.8484	-467.144	0.4152305	0	0	0	-0.03199992

cov2_3_5_7	21.8529	-467.146	0.4155773	0	0	0	-0.033219181
cov2_3_7_8	21.8539	-467.147	0.4175039	0	0	0	-0.098328007
cov2_4_5_8	21.8592	-467.15	0.4157666	0	0	0	-0.037352549
cov2_3_5_8	21.8613	-467.151	0.4159236	0	0	0	-0.036725456
cov5_6_7_11	21.872	-467.156	0.415275	0	0	0	0
cov3_5_6_11	21.8821	-467.161	0.4158112	0	0	0	0
cov4_5_6_11	21.892	-467.166	0.4144243	0	0	0	0
cov4_5_6_7	21.9009	-467.17	0.414964	0	0	0	0
cov5_6_8_11	21.9044	-467.172	0.4151238	0	0	0	0
cov3_4_5_6	21.9087	-467.174	0.4152026	0	0	0	0
cov3_5_6_7	21.9144	-467.177	0.4154611	0	0	0	0
cov4_5_6_8	21.9187	-467.179	0.414723	0	0	0	0
cov3_5_6_8	21.9238	-467.182	0.4158197	0	0	0	0
cov4_5_7_11	21.9476	-467.194	0.4151657	0	0	0	0
cov3_5_7_11	21.9552	-467.198	0.4152144	0	0	0	0
cov4_5_8_11	21.9834	-467.212	0.4149646	0	0	0	0
cov3_4_5_11	21.993	-467.216	0.4151552	0	0	0	0
cov3_5_8_11	22.0018	-467.221	0.415517	0	0	0	0
cov3_4_5_7	22.0477	-467.244	0.4145245	0	0	0	0
cov3_4_7_8	22.089	-467.265	0.4112429	0	0	0	0
cov3_4_5_8	22.0983	-467.269	0.4147599	0	0	0	0
cov3_4_6_11	22.2312	-467.336	0.4143094	0	0	0	0
cov2_3_6_8	22.2711	-467.356	0.4178767	0	0	0	-0.052457167
cov3_4_6_8	22.2824	-467.361	0.4147452	0	0	0	0
cov2_3_4_6	22.2914	-467.366	0.4148635	0	0	0	-0.024522974
cov2_4_6_11	22.2954	-467.368	0.4129111	0	0	0	-0.010996555
cov4_6_7_11	22.2989	-467.369	0.4129487	0	0	0	0
cov4_6_8_11	22.3108	-467.375	0.4127601	0	0	0	0
cov3_4_6_7	22.3416	-467.391	0.4144037	0	0	0	0
cov2_3_6_11	22.3557	-467.398	0.4170501	0	0	0	-0.044179033
cov2_4_6_8	22.3621	-467.401	0.4130311	0	0	0	-0.015912653
cov2_4_6_7	22.3641	-467.402	0.4132358	0	0	0	-0.016530387
cov2_3_6_7	22.376	-467.408	0.4176608	0	0	0	-0.052030707
cov2_3_4_11	22.4969	-467.468	0.4149097	0	0	0	-0.038313125
cov2_4_7_11	22.5671	-467.504	0.4132742	0	0	0	-0.029127146
cov2_4_8_11	22.5908	-467.515	0.4131	0	0	0	-0.029380231
cov3_6_8_11	22.6237	-467.532	0.4176956	0	0	0	0
cov2_3_8_11	22.6451	-467.543	0.4180263	0	0	0	-0.073913257
cov2_6_7_11	22.6663	-467.553	0.4148313	0	0	0	-0.043295953
cov3_4_7_11	22.686	-467.563	0.4132931	0	0	0	0
cov3_4_8_11	22.6912	-467.566	0.4135635	0	0	0	0
cov2_6_8_11	22.6969	-467.568	0.4146769	0	0	0	-0.043975247
cov3_6_7_11	22.698	-467.569	0.4174694	0	0	0	0
cov2_3_7_11	22.7081	-467.574	0.4177986	0	0	0	-0.072193475
cov2_3_4_8	22.802	-467.621	0.4155648	0	0	0	-0.063404182
cov2_3_4_7	22.851	-467.646	0.4151275	0	0	0	-0.059913938
cov3_7_8_11	22.853	-467.646	0.4174093	0	0	0	0

cov1_3_7_8_10	23.1751	-464.293	0.4132151	0	-0.095258263	0	0
cov3_5_7_8_10	23.1966	-464.304	0.4100255	0	0	0	0
cov5_6_7_8_10	23.2917	-464.351	0.407018	0	0	0	0
cov1_3_7_8_9	23.3966	-464.404	0.4127997	0	-0.094020859	0	0
cov3_5_7_8_9	23.4496	-464.43	0.4095812	0	0	0	0
cov5_6_7_8_9	23.5134	-464.462	0.4067242	0	0	0	0
cov1_3_6_8_10	23.5499	-464.48	0.4143738	0	-0.17638827	0	0
cov2_5_7_8_10	23.5826	-464.497	0.4072037	0	0	0	0.025229093
cov5_7_8_10_11	23.6625	-464.537	0.4075381	0	0	0	0
cov1_5_7_8_10	23.6989	-464.555	0.4074119	0	0.011283276	0	0
cov4_5_7_8_10	23.7083	-464.56	0.4074631	0	0	0	0
cov5_7_8_9_10	23.7088	-464.56	0.4075456	0	0	0	0
cov1_3_6_8_9	23.7899	-464.6	0.413926	0	-0.17451844	0	0
cov2_5_7_8_9	23.7996	-464.605	0.4069967	0	0	0	0.02229314
cov1_3_6_7_10	23.8025	-464.607	0.4143509	0	-0.17669234	0	0
cov5_7_8_9_11	23.8529	-464.632	0.4072723	0	0	0	0
cov1_5_7_8_9	23.8947	-464.653	0.4072136	0	0.007534443	0	0
cov4_5_7_8_9	23.8963	-464.654	0.4071462	0	0	0	0
cov1_3_6_7_9	24.0317	-464.721	0.4139032	0	-0.17478882	0	0
cov1_3_5_6_10	24.0878	-464.749	0.4105293	0	-0.084791908	0	0
cov3_5_6_8_10	24.173	-464.792	0.4098325	0	0	0	0
cov1_3_5_8_10	24.1805	-464.796	0.4128381	0	-0.061800149	0	0
cov1_2_3_8_10	24.1896	-464.8	0.4139467	0	-0.11428727	0	0.021083913
cov1_2_5_6_10	24.1971	-464.804	0.4083502	0	-0.086007298	0	0.02691916
cov1_3_8_10_11	24.2038	-464.807	0.4141884	0	-0.10915603	0	0
cov1_3_4_8_10	24.211	-464.811	0.4129818	0	-0.083606524	0	0
cov3_4_7_8_10	24.2314	-464.821	0.4078826	0	0	0	0
cov1_3_8_9_10	24.2559	-464.833	0.41408	0	-0.096672792	0	0
cov1_6_7_8_10	24.2712	-464.841	0.4096123	0	-0.15489845	0	0
cov1_4_7_8_10	24.2826	-464.847	0.4068537	0	-0.053021	0	0
cov1_5_6_8_10	24.291	-464.851	0.4081828	0	-0.067331416	0	0
cov3_5_6_7_10	24.2919	-464.851	0.4096176	0	0	0	0
cov1_5_6_10_11	24.2941	-464.853	0.4085327	0	-0.071288162	0	0
cov1_3_5_6_9	24.3024	-464.857	0.4102372	0	-0.087737993	0	0
cov1_4_5_6_10	24.3027	-464.857	0.4082224	0	-0.067129654	0	0
cov1_5_6_9_10	24.303	-464.857	0.4083219	0	-0.065863339	0	0
cov1_5_6_7_10	24.3052	-464.858	0.4083443	0	-0.06658086	0	0
cov1_2_4_6_10	24.3481	-464.88	0.4061946	0	-0.16821667	0	0.073754053
cov1_6_7_8_9	24.3796	-464.895	0.4093626	0	-0.15371702	0	0
cov2_3_5_8_10	24.3848	-464.898	0.4107001	0	0	0	0.006456237
cov3_4_7_8_9	24.3904	-464.901	0.4073761	0	0	0	0
cov3_5_8_9_10	24.3912	-464.901	0.410868	0	0	0	0
cov3_5_8_10_11	24.3915	-464.901	0.4108792	0	0	0	0
cov3_4_5_8_10	24.3918	-464.901	0.4108399	0	0	0	0
cov1_3_5_7_10	24.4016	-464.906	0.4124659	0	-0.052406649	0	0
cov1_4_7_8_9	24.403	-464.907	0.4066284	0	-0.052459848	0	0
cov3_5_6_10_11	24.403	-464.907	0.4090329	0	0	0	0

cov3_5_6_9_10	24.4168	-464.914	0.4088532	0	0	0	0
cov1_2_5_6_9	24.417	-464.914	0.4081371	0	-0.087846699	0	0.024676156
cov2_3_5_6_10	24.4174	-464.914	0.4088526	0	0	0	0.005412409
cov3_4_5_6_10	24.4206	-464.916	0.4091226	0	0	0	0
cov1_3_8_9_11	24.4275	-464.919	0.4137851	0	-0.10881469	0	0
cov1_3_5_8_9	24.4278	-464.919	0.4125396	0	-0.064314998	0	0
cov1_2_3_8_9	24.4314	-464.921	0.4135598	0	-0.11167912	0	0.0193852
cov1_3_4_8_9	24.4409	-464.926	0.4125421	0	-0.082100967	0	0
cov3_5_6_8_9	24.4464	-464.929	0.4093679	0	0	0	0
cov1_2_3_7_10	24.4539	-464.932	0.413911	0	-0.11383599	0	0.021134224
cov1_3_4_7_10	24.4655	-464.938	0.4128201	0	-0.081745159	0	0
cov1_3_7_10_11	24.4781	-464.945	0.4141339	0	-0.1074596	0	0
cov1_5_6_9_11	24.4921	-464.951	0.4083133	0	-0.075373533	0	0
cov1_5_6_8_9	24.4951	-464.953	0.4079589	0	-0.070559623	0	0
cov1_4_5_6_9	24.5013	-464.956	0.4079015	0	-0.070729246	0	0
cov2_5_6_8_10	24.5034	-464.957	0.4073902	0	0	0	0.009018615
cov2_4_5_6_10	24.5036	-464.957	0.4071817	0	0	0	0.013612571
cov2_5_6_9_10	24.506	-464.958	0.40746	0	0	0	0.008997269
cov1_5_6_7_9	24.5082	-464.96	0.4081183	0	-0.069792252	0	0
cov2_5_6_10_11	24.5083	-464.96	0.4075131	0	0	0	0.009976255
cov5_6_8_9_10	24.5114	-464.961	0.4073829	0	0	0	0
cov2_5_6_7_10	24.5122	-464.962	0.4075615	0	0	0	0.009081917
cov1_2_4_6_9	24.5131	-464.962	0.4060158	0	-0.16581487	0	0.07067664
cov4_5_6_8_10	24.5169	-464.964	0.4073824	0	0	0	0
cov5_6_8_10_11	24.5176	-464.964	0.4074858	0	0	0	0
cov5_6_9_10_11	24.5191	-464.965	0.4075363	0	0	0	0
cov4_5_6_9_10	24.5202	-464.966	0.4075115	0	0	0	0
cov5_6_7_9_10	24.5204	-464.966	0.4075546	0	0	0	0
cov1_3_7_9_10	24.5207	-464.966	0.4140371	0	-0.096165255	0	0
cov4_5_6_10_11	24.5251	-464.968	0.4075951	0	0	0	0
cov5_6_7_10_11	24.5253	-464.968	0.407653	0	0	0	0
cov4_5_6_7_10	24.5267	-464.969	0.4076184	0	0	0	0
cov1_3_4_6_10	24.538	-464.974	0.4110073	0	-0.14350591	0	0
cov2_3_5_7_10	24.5384	-464.975	0.4105067	0	0	0	0.009105292
cov3_5_7_10_11	24.552	-464.981	0.4107658	0	0	0	0
cov3_5_7_9_10	24.5521	-464.982	0.4107623	0	0	0	0
cov3_4_5_7_10	24.553	-464.982	0.4107802	0	0	0	0
cov3_5_6_7_9	24.5552	-464.983	0.4091509	0	0	0	0
cov1_3_5_7_9	24.6409	-465.026	0.4121594	0	-0.054777602	0	0
cov3_5_6_9_11	24.6461	-465.029	0.4086314	0	0	0	0
cov2_3_5_8_9	24.652	-465.031	0.410335	0	0	0	0.004122132
cov3_4_5_8_9	24.6529	-465.032	0.4103092	0	0	0	0
cov3_5_8_9_11	24.6535	-465.032	0.4104241	0	0	0	0
cov1_2_7_8_10	24.6578	-465.034	0.4092936	0	-0.1090798	0	0.0229469
cov2_3_5_6_9	24.6591	-465.035	0.4085078	0	0	0	0.002793048
cov3_4_5_6_9	24.6603	-465.036	0.4086089	0	0	0	0
cov1_3_4_7_9	24.6835	-465.047	0.4123797	0	-0.080239555	0	0

cov1_2_3_7_9	24.6838	-465.047	0.4135241	0	-0.11127437	0	0.019470597
cov1_7_8_10_11	24.6881	-465.05	0.4094323	0	-0.10192953	0	0
cov1_3_4_6_9	24.6883	-465.05	0.4106174	0	-0.14220798	0	0
cov1_3_7_9_11	24.691	-465.051	0.4137328	0	-0.10710757	0	0
cov1_2_3_6_10	24.6938	-465.052	0.4132754	0	-0.18252173	0	0.019158254
cov1_2_3_5_10	24.7074	-465.059	0.4102817	0	-0.030159624	0	0.026624199
cov2_4_5_6_9	24.7346	-465.073	0.4068679	0	0	0	0.011267649
cov1_7_8_9_10	24.7373	-465.074	0.409309	0	-0.089538707	0	0
cov2_5_6_8_9	24.7375	-465.074	0.4071361	0	0	0	0.00625721
cov4_5_6_8_9	24.7413	-465.076	0.4070002	0	0	0	0
cov2_5_6_9_11	24.743	-465.077	0.4072556	0	0	0	0.006923407
cov5_6_8_9_11	24.7445	-465.078	0.4071959	0	0	0	0
cov2_5_6_7_9	24.7448	-465.078	0.4073004	0	0	0	0.006328966
cov1_3_6_10_11	24.7468	-465.079	0.4132971	0	-0.16487512	0	0
cov2_3_4_5_10	24.7472	-465.079	0.4090375	0	0	0	0.023711395
cov1_3_6_9_10	24.749	-465.08	0.4132928	0	-0.16696381	0	0
cov4_5_6_9_11	24.7496	-465.08	0.4072151	0	0	0	0
cov4_5_6_7_9	24.7505	-465.081	0.4072352	0	0	0	0
cov5_6_7_9_11	24.7511	-465.081	0.4073617	0	0	0	0
cov4_7_8_10_11	24.7513	-465.081	0.4053075	0	0	0	0
cov2_4_7_8_10	24.757	-465.084	0.4041361	0	0	0	0.020326115
cov2_3_5_9_10	24.7587	-465.085	0.4096381	0	0	0	0.01822254
cov2_3_5_10_11	24.7594	-465.085	0.409678	0	0	0	0.018315992
cov1_2_7_8_9	24.7731	-465.092	0.4090867	0	-0.1070964	0	0.021613608
cov1_7_8_9_11	24.7895	-465.1	0.4092107	0	-0.10160651	0	0
cov2_3_5_7_9	24.7965	-465.104	0.4101427	0	0	0	0.006819633
cov4_7_8_9_10	24.802	-465.106	0.4048606	0	0	0	0
cov3_5_7_9_11	24.8029	-465.107	0.4103137	0	0	0	0
cov3_4_5_7_9	24.8038	-465.107	0.4102547	0	0	0	0
cov4_6_7_8_10	24.8058	-465.108	0.4052567	0	0	0	0
cov1_3_5_10_11	24.8064	-465.109	0.4104731	0	-0.014580181	0	0
cov1_3_4_5_10	24.8116	-465.111	0.4106295	0	-0.010409636	0	0
cov1_3_5_9_10	24.8136	-465.112	0.4104397	0	-0.010463198	0	0
cov3_4_5_10_11	24.8171	-465.114	0.4103037	0	0	0	0
cov3_4_5_9_10	24.8189	-465.115	0.4103238	0	0	0	0
cov3_5_9_10_11	24.8189	-465.115	0.4100827	0	0	0	0
cov1_2_4_5_10	24.8277	-465.119	0.4068262	0	-0.033197425	0	0.051240669
cov1_2_3_6_9	24.8506	-465.131	0.4129234	0	-0.18008087	0	0.017674406
cov1_2_3_4_10	24.8565	-465.134	0.4088331	0	-0.094541402	0	0.060529782
cov2_4_5_8_10	24.8582	-465.135	0.4065166	0	0	0	0.036975558
cov4_7_8_9_11	24.8629	-465.137	0.4049975	0	0	0	0
cov2_4_7_8_9	24.8642	-465.138	0.4038606	0	0	0	0.019145179
cov1_4_6_8_10	24.8665	-465.139	0.4073182	0	-0.13140081	0	0
cov2_4_5_10_11	24.8776	-465.144	0.4070501	0	0	0	0.033538811
cov2_4_5_7_10	24.8791	-465.145	0.4067972	0	0	0	0.036120012
cov2_4_5_9_10	24.8805	-465.146	0.4068898	0	0	0	0.035766605
cov1_3_6_9_11	24.897	-465.154	0.4129407	0	-0.16455648	0	0



cov1_4_6_7_10	24.9061	-465.158	0.4075305	0	-0.13165787	0	0
cov1_2_5_10_11	24.9073	-465.159	0.4082697	0	-0.019884757	0	0.027830371
cov4_6_7_8_9	24.9094	-465.16	0.4049275	0	0	0	0
cov2_5_8_10_11	24.912	-465.161	0.407785	0	0	0	0.021922828
cov2_3_7_8_10	24.9166	-465.164	0.4135104	0	0	0	-0.068794851
cov1_4_6_10_11	24.9235	-465.167	0.4080395	0	-0.13667001	0	0
cov1_2_5_8_10	24.9268	-465.169	0.4078957	0	-0.012036909	0	0.029063843
cov2_5_9_10_11	24.9276	-465.169	0.4079762	0	0	0	0.022681181
cov2_5_7_10_11	24.928	-465.169	0.4079689	0	0	0	0.022524578
cov1_2_3_5_9	24.9294	-465.17	0.410066	0	-0.032433008	0	0.024540299
cov1_4_6_9_10	24.9322	-465.172	0.4078199	0	-0.13132073	0	0
cov2_5_8_9_10	24.9351	-465.173	0.4077391	0	0	0	0.025262995
cov1_2_5_9_10	24.9364	-465.174	0.4080536	0	-0.011176589	0	0.028876163
cov1_2_5_7_10	24.9367	-465.174	0.4080781	0	-0.011384159	0	0.028930649
cov2_5_7_9_10	24.9441	-465.178	0.4079247	0	0	0	0.025335666
cov2_3_4_5_9	24.9747	-465.193	0.4086846	0	0	0	0.021443049
cov1_2_4_8_10	24.9845	-465.198	0.4054003	0	-0.089985394	0	0.076520885
cov2_3_5_9_11	24.9889	-465.2	0.4093699	0	0	0	0.015257834
cov1_4_6_8_9	24.9904	-465.201	0.4070633	0	-0.13048851	0	0
cov4_5_8_10_11	24.9969	-465.204	0.4079257	0	0	0	0
cov5_8_9_10_11	24.9981	-465.205	0.4080501	0	0	0	0
cov1_5_8_10_11	24.9988	-465.205	0.4081478	0	-0.003488737	0	0
cov1_3_5_9_11	25.0084	-465.21	0.4102198	0	-0.019019059	0	0
cov3_6_7_8_10	25.0128	-465.212	0.4128603	0	0	0	0
cov5_7_9_10_11	25.0191	-465.215	0.4082427	0	0	0	0
cov4_5_7_10_11	25.0194	-465.215	0.4081834	0	0	0	0
cov1_3_4_5_9	25.0196	-465.215	0.4102812	0	-0.014116101	0	0
cov1_5_7_10_11	25.0204	-465.216	0.4083103	0	-0.001260128	0	0
cov4_5_9_10_11	25.0215	-465.216	0.4082748	0	0	0	0
cov1_5_9_10_11	25.022	-465.216	0.4083409	0	0.000233132	0	0
cov1_4_5_10_11	25.0228	-465.217	0.4083284	0	-0.000286434	0	0
cov1_4_6_7_9	25.0285	-465.22	0.407275	0	-0.13074396	0	0
cov3_4_5_9_11	25.0305	-465.221	0.4098231	0	0	0	0
cov1_2_4_5_9	25.0311	-465.221	0.4066077	0	-0.036537886	0	0.050102217
cov1_2_3_4_9	25.0336	-465.222	0.4085934	0	-0.09253304	0	0.057942105
cov1_2_4_7_10	25.0354	-465.223	0.4056535	0	-0.090025606	0	0.075506337
cov1_4_6_9_11	25.0399	-465.225	0.4077808	0	-0.13641317	0	0
cov2_3_7_8_9	25.0486	-465.23	0.412915	0	0	0	-0.0676837
cov1_4_5_8_10	25.0518	-465.231	0.4078491	0	0.009621571	0	0
cov1_5_8_9_10	25.0531	-465.232	0.4079576	0	0.010511587	0	0
cov4_5_8_9_10	25.0588	-465.235	0.4079224	0	0	0	0
cov1_4_5_9_10	25.0611	-465.236	0.4080492	0	0.010729513	0	0
cov1_5_7_9_10	25.0619	-465.236	0.4081348	0	0.011063642	0	0
cov1_4_5_7_10	25.0621	-465.237	0.4080927	0	0.010429179	0	0
cov1_2_4_10_11	25.0659	-465.238	0.4063079	0	-0.095690501	0	0.072082704
cov4_5_7_9_10	25.0704	-465.241	0.4081786	0	0	0	0
cov2_4_5_8_9	25.0745	-465.243	0.4062973	0	0	0	0.034124191

cov1_2_4_9_10	25.0787	-465.245	0.406136	0	-0.089912631	0	0.073271278
cov2_4_5_9_11	25.0899	-465.25	0.406824	0	0	0	0.030365364
cov2_4_5_7_9	25.094	-465.252	0.4065796	0	0	0	0.03326829
cov1_2_5_9_11	25.1118	-465.261	0.408111	0	-0.02324113	0	0.025595952
cov2_5_8_9_11	25.1255	-465.268	0.4075749	0	0	0	0.018766272
cov1_2_5_8_9	25.1399	-465.275	0.40774	0	-0.014479034	0	0.026923097
cov2_5_7_9_11	25.1405	-465.276	0.4077582	0	0	0	0.019376797
cov1_2_5_7_9	25.1485	-465.28	0.4079169	0	-0.013815137	0	0.026794628
cov1_2_4_8_9	25.1525	-465.282	0.4052903	0	-0.088057125	0	0.073353483
cov4_5_8_9_11	25.1849	-465.298	0.4075942	0	0	0	0
cov3_6_7_8_9	25.1856	-465.298	0.4123581	0	0	0	0
cov1_5_8_9_11	25.186	-465.298	0.4079602	0	-0.008101704	0	0
cov1_2_4_7_9	25.201	-465.306	0.405542	0	-0.088112455	0	0.07236193
cov3_4_8_10_11	25.2045	-465.308	0.4095463	0	0	0	0
cov4_5_7_9_11	25.2066	-465.309	0.4078525	0	0	0	0
cov1_5_7_9_11	25.2073	-465.309	0.4081204	0	-0.005871585	0	0
cov1_4_5_9_11	25.2079	-465.309	0.4080664	0	-0.005128635	0	0
cov1_3_4_10_11	25.2199	-465.315	0.4111178	0	-0.071223024	0	0
cov1_2_4_9_11	25.2218	-465.316	0.4061827	0	-0.094711447	0	0.068953821
cov1_3_4_9_10	25.2225	-465.317	0.4110975	0	-0.068518547	0	0
cov3_7_8_10_11	25.2283	-465.32	0.412639	0	0	0	0
cov1_4_5_8_9	25.2441	-465.328	0.4075794	0	0.005573374	0	0
cov1_4_5_7_9	25.2542	-465.333	0.4078216	0	0.006376527	0	0
cov1_2_3_9_10	25.3111	-465.361	0.4129991	0	-0.10989472	0	0.021291155
cov1_2_3_10_11	25.3113	-465.361	0.4129771	0	-0.11033416	0	0.021163129
cov3_4_6_8_10	25.3162	-465.364	0.409606	0	0	0	0
cov1_3_4_9_11	25.3651	-465.388	0.4107737	0	-0.071331633	0	0
cov1_2_6_8_10	25.3669	-465.389	0.4101929	0	-0.18437677	0	0.021328998
cov3_4_8_9_10	25.3756	-465.393	0.4085963	0	0	0	0
cov1_3_9_10_11	25.3785	-465.395	0.4130699	0	-0.093483167	0	0
cov1_2_6_10_11	25.3803	-465.396	0.4106087	0	-0.1878668	0	0.020368472
cov2_3_4_8_10	25.384	-465.397	0.4092605	0	0	0	-0.008277264
cov1_2_6_7_10	25.3888	-465.4	0.41036	0	-0.18385583	0	0.02119585
cov1_2_6_9_10	25.394	-465.402	0.4104633	0	-0.18313986	0	0.02101802
cov1_6_8_10_11	25.3992	-465.405	0.4103035	0	-0.17598082	0	0
cov3_4_7_10_11	25.4019	-465.406	0.4094475	0	0	0	0
cov3_4_8_9_11	25.4028	-465.407	0.4090216	0	0	0	0
cov3_7_8_9_11	25.414	-465.412	0.4120974	0	0	0	0
cov1_6_7_10_11	25.4297	-465.42	0.4104596	0	-0.17438173	0	0
cov1_6_8_9_10	25.4346	-465.423	0.4101615	0	-0.16695879	0	0
cov1_6_9_10_11	25.4414	-465.426	0.4105861	0	-0.17207002	0	0
cov1_6_7_9_10	25.4557	-465.433	0.4103292	0	-0.16653974	0	0
cov1_2_3_9_11	25.4644	-465.438	0.4126695	0	-0.10931811	0	0.019637338
cov1_2_6_8_9	25.4842	-465.448	0.4099597	0	-0.18207719	0	0.019926704
cov1_2_6_9_11	25.4919	-465.451	0.4103741	0	-0.18618637	0	0.018910015
cov3_4_6_8_9	25.499	-465.455	0.4090578	0	0	0	0
cov1_6_8_9_11	25.5032	-465.457	0.4100605	0	-0.17534849	0	0

cov1_2_6_7_9	25.505	-465.458	0.4101272	0	-0.18156106	0	0.01980036
cov3_4_6_7_10	25.5294	-465.47	0.4094243	0	0	0	0
cov1_6_7_9_11	25.5333	-465.472	0.4102166	0	-0.17375124	0	0
cov1_4_8_10_11	25.5357	-465.473	0.4075044	0	-0.06781925	0	0
cov2_3_4_8_9	25.5522	-465.482	0.4087757	0	0	0	-0.008477574
cov3_4_7_9_10	25.5768	-465.494	0.4084777	0	0	0	0
cov1_4_7_10_11	25.5847	-465.498	0.4077215	0	-0.066797173	0	0
cov2_3_4_7_10	25.5896	-465.5	0.4089929	0	0	0	-0.005825309
cov3_4_7_9_11	25.5899	-465.5	0.408928	0	0	0	0
cov1_4_8_9_10	25.6082	-465.51	0.4073203	0	-0.052631344	0	0
cov1_4_9_10_11	25.6185	-465.515	0.4080368	0	-0.06455243	0	0
cov1_4_7_9_10	25.6425	-465.527	0.4075509	0	-0.053171056	0	0
cov1_4_8_9_11	25.6497	-465.53	0.4072852	0	-0.067896852	0	0
cov1_4_7_9_11	25.6979	-465.554	0.4075033	0	-0.066884045	0	0
cov3_4_6_7_9	25.7007	-465.556	0.408877	0	0	0	0
cov2_3_4_7_9	25.7479	-465.579	0.408508	0	0	0	-0.005986921
cov2_3_8_10_11	25.7735	-465.592	0.4139939	0	0	0	-0.049303197
cov2_3_4_10_11	25.7799	-465.595	0.4075427	0	0	0	0.021399144
cov3_4_9_10_11	25.8273	-465.619	0.408531	0	0	0	0
cov3_4_6_10_11	25.8307	-465.621	0.4085042	0	0	0	0
cov2_3_6_8_10	25.837	-465.624	0.4141639	0	0	0	-0.046558794
cov1_3_6_7_8	25.9166	-465.664	0.4169193	0	-0.17104272	0	0
cov2_3_4_9_11	25.9314	-465.671	0.4071962	0	0	0	0.019357739
cov1_2_8_10_11	25.9437	-465.677	0.4099738	0	-0.1226582	0	0.021928255
cov2_4_8_10_11	25.9476	-465.679	0.4045334	0	0	0	0.03359306
cov2_3_8_9_11	25.9529	-465.682	0.4134825	0	0	0	-0.049875681
cov3_4_6_9_11	25.9721	-465.692	0.4080468	0	0	0	0
cov1_2_7_10_11	25.9742	-465.693	0.410148	0	-0.12092054	0	0.021950818
cov2_4_7_10_11	25.9817	-465.696	0.4047676	0	0	0	0.033358659
cov2_4_9_10_11	25.9833	-465.697	0.4048808	0	0	0	0.033239167
cov1_2_9_10_11	25.984	-465.697	0.410301	0	-0.11916928	0	0.021958786
cov2_4_6_10_11	25.9947	-465.703	0.4050125	0	0	0	0.033002172
cov2_3_4_6_10	25.9983	-465.705	0.4075527	0	0	0	0.014017481
cov1_2_8_9_10	26.0038	-465.707	0.4098672	0	-0.11035129	0	0.023426927
cov2_3_7_10_11	26.0049	-465.708	0.4139163	0	0	0	-0.048205588
cov2_3_6_8_9	26.0051	-465.708	0.4136479	0	0	0	-0.047150116
cov3_4_6_9_10	26.0082	-465.71	0.4080285	0	0	0	0
cov1_8_9_10_11	26.0157	-465.713	0.4100029	0	-0.10510054	0	0
cov3_6_8_10_11	26.0161	-465.714	0.4136047	0	0	0	0
cov1_2_7_9_10	26.0211	-465.716	0.4100523	0	-0.11004228	0	0.023274207
cov2_3_8_9_10	26.0241	-465.718	0.4141844	0	0	0	-0.069031642
cov2_3_4_9_10	26.0247	-465.718	0.4070926	0	0	0	0.007305665
cov1_3_5_7_8	26.0408	-465.726	0.4176068	0	-0.1599382	0	0
cov1_7_9_10_11	26.0464	-465.729	0.4101777	0	-0.10334923	0	0
cov2_4_6_8_10	26.0471	-465.729	0.4047239	0	0	0	0.02770241
cov1_2_8_9_11	26.0525	-465.732	0.4097757	0	-0.12131505	0	0.020550473
cov2_4_8_9_10	26.0534	-465.732	0.4044255	0	0	0	0.022191123

cov2_4_8_9_11	26.0788	-465.745	0.4043167	0	0	0	0.03108619
cov2_6_7_8_10	26.0804	-465.746	0.4094589	0	0	0	-0.037272771
cov1_3_7_8_11	26.0808	-465.746	0.4167752	0	-0.13834706	0	0
cov4_8_9_10_11	26.0821	-465.747	0.4056651	0	0	0	0
cov1_2_7_9_11	26.0826	-465.747	0.4099499	0	-0.11958879	0	0.020579715
cov4_6_8_10_11	26.0843	-465.748	0.4056319	0	0	0	0
cov2_3_6_7_10	26.0931	-465.752	0.4140984	0	0	0	-0.046533872
cov2_4_6_7_10	26.0981	-465.755	0.4049682	0	0	0	0.026731686
cov2_7_8_10_11	26.1018	-465.756	0.4094258	0	0	0	-0.044237771
cov2_4_7_9_10	26.1052	-465.758	0.4046637	0	0	0	0.021144698
cov1_2_3_7_8	26.1053	-465.758	0.4166635	0	-0.13812924	0	0.01562946
cov2_4_7_9_11	26.1121	-465.762	0.4045534	0	0	0	0.030859802
cov4_6_9_10_11	26.1123	-465.762	0.4058879	0	0	0	0
cov4_7_9_10_11	26.1146	-465.763	0.4058967	0	0	0	0
cov4_6_7_10_11	26.1149	-465.763	0.4058462	0	0	0	0
cov2_3_4_6_9	26.122	-465.766	0.4071647	0	0	0	0.012398902
cov2_4_6_9_11	26.1241	-465.768	0.4047789	0	0	0	0.030257058
cov2_4_6_9_10	26.1245	-465.768	0.4052602	0	0	0	0.024871153
cov4_6_8_9_10	26.1273	-465.769	0.405446	0	0	0	0
cov1_3_4_7_8	26.142	-465.776	0.4167113	0	-0.12547924	0	0
cov2_6_7_8_9	26.1457	-465.778	0.4091371	0	0	0	-0.03782251
cov2_4_6_8_9	26.1636	-465.787	0.4044626	0	0	0	0.025497417
cov2_7_8_9_11	26.1687	-465.79	0.4090863	0	0	0	-0.044610825
cov4_6_7_9_10	26.1719	-465.791	0.4056596	0	0	0	0
cov2_3_7_9_11	26.1749	-465.793	0.4134091	0	0	0	-0.048753288
cov6_7_8_10_11	26.1816	-465.796	0.4091947	0	0	0	0
cov4_6_8_9_11	26.1948	-465.803	0.4053103	0	0	0	0
cov2_4_6_7_9	26.2126	-465.812	0.4047055	0	0	0	0.024548166
cov3_6_8_9_11	26.2202	-465.816	0.4131278	0	0	0	0
cov4_6_7_9_11	26.2248	-465.818	0.4055278	0	0	0	0
cov3_6_7_10_11	26.2478	-465.829	0.4135351	0	0	0	0
cov2_3_6_7_9	26.2503	-465.831	0.4135878	0	0	0	-0.04709191
cov6_7_8_9_11	26.2695	-465.84	0.4088986	0	0	0	0
cov2_3_7_9_10	26.2728	-465.842	0.4141099	0	0	0	-0.068604552
cov3_6_8_9_10	26.2826	-465.847	0.4136476	0	0	0	0
cov1_4_6_7_8	26.3001	-465.856	0.4131282	0	-0.15131181	0	0
cov2_7_8_9_10	26.3221	-465.867	0.4094837	0	0	0	-0.06304758
cov1_6_7_8_11	26.344	-465.877	0.414018	0	-0.17444239	0	0
cov1_5_6_7_8	26.3485	-465.88	0.4140038	0	-0.14844717	0	0
cov1_2_6_7_8	26.351	-465.881	0.4139836	0	-0.17754227	0	0.016161821
cov6_7_8_9_10	26.36	-465.885	0.4091419	0	0	0	0
cov1_2_4_7_8	26.3702	-465.891	0.412382	0	-0.12609107	0	0.039691644
cov3_8_9_10_11	26.4142	-465.913	0.4133464	0	0	0	0
cov3_6_7_9_11	26.4409	-465.926	0.4130604	0	0	0	0
cov1_4_7_8_11	26.4785	-465.945	0.4129869	0	-0.11786583	0	0
cov1_5_7_8_11	26.5173	-465.964	0.4138032	0	-0.11505705	0	0
cov1_2_7_8_11	26.5209	-465.966	0.4137521	0	-0.14422063	0	0.016192391

cov1_2_5_7_8	26.5313	-465.971	0.4137554	0	-0.11593797	0	0.018254942
cov3_6_7_9_10	26.5376	-465.974	0.4135743	0	0	0	0
cov1_4_5_7_8	26.5456	-465.978	0.4129656	0	-0.10199254	0	0
cov2_3_6_10_11	26.5723	-465.992	0.4129843	0	0	0	-0.034217396
cov2_3_9_10_11	26.599	-466.005	0.412896	0	0	0	-0.041126115
cov7_8_9_10_11	26.6093	-466.01	0.4090904	0	0	0	0
cov3_7_9_10_11	26.6165	-466.014	0.4132789	0	0	0	0
cov2_3_6_9_11	26.697	-466.054	0.412572	0	0	0	-0.035350569
cov1_3_5_6_8	26.7729	-466.092	0.4189518	0	-0.22608608	0	0
cov3_6_9_10_11	26.7968	-466.104	0.4126834	0	0	0	0
cov2_3_6_9_10	26.8169	-466.114	0.4129672	0	0	0	-0.043510713
cov1_3_6_8_11	26.8702	-466.141	0.4179325	0	-0.1940744	0	0
cov1_2_3_6_8	26.8952	-466.153	0.4178288	0	-0.19464625	0	0.014078677
cov1_3_4_6_8	26.925	-466.168	0.4178423	0	-0.183605	0	0
cov1_3_5_6_7	26.9474	-466.179	0.418609	0	-0.2176706	0	0
cov1_3_6_7_11	27.0027	-466.207	0.4177683	0	-0.1924432	0	0
cov3_7_8_9_10	27.006	-466.208	0.4124169	0	0	0	0
cov1_2_3_6_7	27.0166	-466.214	0.417676	0	-0.19414386	0	0.014203851
cov1_3_5_8_11	27.0353	-466.223	0.4188225	0	-0.1854009	0	0
cov1_3_4_6_7	27.0465	-466.229	0.4175604	0	-0.18159041	0	0
cov1_3_4_5_8	27.0637	-466.237	0.4178236	0	-0.17135873	0	0
cov1_2_3_5_8	27.091	-466.251	0.4186336	0	-0.17958035	0	0.013472462
cov1_2_3_4_6	27.1478	-466.279	0.4154993	0	-0.18558439	0	0.029541823
cov1_2_3_8_11	27.1601	-466.286	0.4176685	0	-0.15335156	0	0.014223603
cov1_3_4_8_11	27.1895	-466.3	0.417813	0	-0.14357609	0	0
cov1_2_3_6_11	27.2095	-466.31	0.4169014	0	-0.19335626	0	0.014147877
cov1_2_3_5_6	27.2199	-466.315	0.4169037	0	-0.18985005	0	0.01466928
cov1_3_4_6_11	27.2231	-466.317	0.4163145	0	-0.17644609	0	0
cov1_2_4_5_6	27.2246	-466.318	0.4126273	0	-0.20374643	0	0.049391771
cov1_2_3_4_8	27.2254	-466.318	0.417005	0	-0.13785941	0	0.021285657
cov1_3_4_5_6	27.2259	-466.318	0.416198	0	-0.17936046	0	0
cov1_3_5_7_11	27.2331	-466.322	0.4184389	0	-0.17430556	0	0
cov1_2_4_6_11	27.237	-466.324	0.4135214	0	-0.19017999	0	0.037739479
cov1_3_5_6_11	27.2395	-466.325	0.416886	0	-0.18270189	0	0
cov1_2_4_6_8	27.2532	-466.332	0.4130718	0	-0.18395714	0	0.04025898
cov1_3_4_5_7	27.2577	-466.334	0.4175283	0	-0.16137307	0	0
cov1_2_4_6_7	27.2667	-466.339	0.4132685	0	-0.18352331	0	0.039561774
cov1_2_3_5_7	27.2728	-466.342	0.4182607	0	-0.17020686	0	0.014121607
cov1_2_3_7_11	27.3006	-466.356	0.4174882	0	-0.15104866	0	0.014521246
cov1_3_4_7_11	27.3322	-466.372	0.4175031	0	-0.13949086	0	0
cov1_2_3_4_7	27.345	-466.378	0.4166217	0	-0.13601784	0	0.02353374
cov1_4_6_8_11	27.3725	-466.392	0.4136875	0	-0.17365146	0	0
cov1_4_6_7_11	27.3922	-466.402	0.4138649	0	-0.17241232	0	0
cov1_4_5_6_11	27.3955	-466.403	0.414003	0	-0.17077006	0	0
cov1_2_5_6_11	27.4102	-466.411	0.4148552	0	-0.18063343	0	0.015688739
cov1_4_5_6_8	27.4341	-466.423	0.413547	0	-0.1629296	0	0
cov2_6_7_10_11	27.4357	-466.423	0.4101506	0	0	0	-0.03538785

cov2_6_9_10_11	27.4359	-466.423	0.4098795	0	0	0	-0.036076466
cov1_5_6_8_11	27.4367	-466.424	0.4146373	0	-0.17148504	0	0
cov1_2_3_4_5	27.4382	-466.425	0.4147091	0	-0.15375484	0	0.041051651
cov1_4_5_6_7	27.4414	-466.426	0.4137864	0	-0.16169391	0	0
cov2_6_8_10_11	27.4447	-466.428	0.4099905	0	0	0	-0.036005988
cov1_2_6_8_11	27.4464	-466.429	0.4146023	0	-0.1994495	0	0.014978302
cov1_5_6_7_11	27.447	-466.429	0.4147919	0	-0.16923249	0	0
cov1_2_5_6_7	27.4508	-466.431	0.4147596	0	-0.17208849	0	0.016848267
cov1_2_5_6_8	27.4521	-466.432	0.4145957	0	-0.17321176	0	0.01693832
cov1_2_6_7_11	27.4594	-466.435	0.4147548	0	-0.19775803	0	0.015022629
cov1_2_3_4_11	27.4703	-466.441	0.4153098	0	-0.13776662	0	0.029622906
cov2_7_9_10_11	27.4867	-466.449	0.410046	0	0	0	-0.044780595
cov2_8_9_10_11	27.5009	-466.456	0.4098917	0	0	0	-0.045806139
cov2_6_7_9_11	27.5083	-466.46	0.4098475	0	0	0	-0.036300675
cov2_6_8_9_11	27.5172	-466.464	0.4096859	0	0	0	-0.036915216
cov2_5_6_7_8	27.518	-466.464	0.4144653	0	0	0	-0.022035236
cov2_6_8_9_10	27.5256	-466.468	0.40996	0	0	0	-0.04189943
cov2_6_7_9_10	27.5334	-466.472	0.4101351	0	0	0	-0.041818474
cov1_2_3_5_11	27.5346	-466.473	0.4165951	0	-0.14106415	0	0.01564599
cov1_2_4_8_11	27.5526	-466.482	0.4128922	0	-0.14011265	0	0.039673717
cov1_2_4_5_11	27.5546	-466.483	0.4126474	0	-0.15267116	0	0.047038654
cov1_3_4_5_11	27.5547	-466.483	0.4160657	0	-0.12889634	0	0
cov2_5_7_8_11	27.5749	-466.493	0.4146393	0	0	0	-0.027530796
cov5_6_7_8_11	27.5755	-466.493	0.4145099	0	0	0	0
cov1_2_4_5_8	27.5772	-466.494	0.4118852	0	-0.14826146	0	0.05313671
cov1_2_4_7_11	27.5773	-466.494	0.4130868	0	-0.1384898	0	0.039130546
cov4_5_6_7_8	27.5945	-466.503	0.4141853	0	0	0	0
cov1_2_4_5_7	27.5983	-466.505	0.412192	0	-0.1455211	0	0.051070376
cov2_4_5_7_8	27.6	-466.505	0.4153958	0	0	0	-0.038884385
cov3_5_6_7_8	27.6056	-466.508	0.4148608	0	0	0	0
cov2_3_5_7_8	27.6242	-466.518	0.4148775	0	0	0	-0.033623222
cov6_7_9_10_11	27.6713	-466.541	0.4098789	0	0	0	0
cov6_8_9_10_11	27.6887	-466.55	0.4097114	0	0	0	0
cov4_5_7_8_11	27.7171	-466.564	0.4145329	0	0	0	0
cov3_5_7_8_11	27.7227	-466.567	0.4145232	0	0	0	0
cov1_4_5_8_11	27.7273	-466.569	0.4134417	0	-0.11880941	0	0
cov1_2_5_8_11	27.7318	-466.571	0.4143318	0	-0.13038328	0	0.017141059
cov1_2_5_7_11	27.7418	-466.576	0.4144996	0	-0.12804463	0	0.017208482
cov1_4_5_7_11	27.7464	-466.579	0.4136925	0	-0.11626084	0	0
cov3_4_5_7_8	27.8247	-466.618	0.41383	0	0	0	0
cov4_6_7_8_11	27.9394	-466.675	0.4123286	0	0	0	0
cov3_4_6_7_8	27.9523	-466.682	0.4138653	0	0	0	0
cov2_3_6_7_8	27.985	-466.698	0.4168441	0	0	0	-0.047597504
cov2_4_6_7_8	27.9948	-466.703	0.4125618	0	0	0	-0.013686135
cov3_6_7_8_11	28.2578	-466.834	0.4166673	0	0	0	0
cov2_6_7_8_11	28.2784	-466.845	0.4140766	0	0	0	-0.039488312
cov2_4_7_8_11	28.3136	-466.862	0.4126739	0	0	0	-0.029802501

cov3_4_7_8_11	28.4405	-466.926	0.4126247	0	0	0	0
cov2_3_7_8_11	28.4499	-466.93	0.4170693	0	0	0	-0.071757707
cov2_3_4_7_8	28.6138	-467.012	0.4144635	0	0	0	-0.060512861
cov2_3_5_6_11	28.7951	-467.103	0.4159133	0	0	0	-0.025713729
cov2_3_5_6_8	28.803	-467.107	0.4161913	0	0	0	-0.029626983
cov2_3_4_5_6	28.8066	-467.109	0.4164514	0	0	0	-0.033439005
cov2_5_6_7_11	28.8113	-467.111	0.4151532	0	0	0	-0.022506765
cov2_3_5_6_7	28.8182	-467.115	0.4158099	0	0	0	-0.027125314
cov2_4_5_6_7	28.8243	-467.118	0.4155608	0	0	0	-0.028621186
cov2_3_4_5_11	28.8264	-467.119	0.4166061	0	0	0	-0.038262528
cov2_4_5_7_11	28.8293	-467.12	0.4156903	0	0	0	-0.031471403
cov2_3_5_7_11	28.8345	-467.123	0.4156543	0	0	0	-0.029084976
cov2_5_6_8_11	28.8387	-467.125	0.4149995	0	0	0	-0.023119611
cov2_3_5_8_11	28.8427	-467.127	0.415995	0	0	0	-0.032586112
cov2_4_5_6_11	28.8456	-467.128	0.4149565	0	0	0	-0.024971703
cov2_4_5_6_8	28.8483	-467.13	0.4153017	0	0	0	-0.02777241
cov2_3_4_5_7	28.8561	-467.133	0.4164682	0	0	0	-0.040996451
cov2_3_4_5_8	28.8607	-467.136	0.4168702	0	0	0	-0.045042562
cov2_4_5_8_11	28.863	-467.137	0.415488	0	0	0	-0.031705168
cov4_5_6_7_11	28.8871	-467.149	0.4148369	0	0	0	0
cov3_4_5_6_11	28.8943	-467.153	0.4152819	0	0	0	0
cov3_5_6_7_11	28.8986	-467.155	0.4155305	0	0	0	0
cov3_5_6_8_11	28.9103	-467.161	0.4158832	0	0	0	0
cov4_5_6_8_11	28.9143	-467.163	0.4146108	0	0	0	0
cov3_4_5_6_7	28.9299	-467.17	0.4150178	0	0	0	0
cov3_4_5_6_8	28.9348	-467.173	0.41531	0	0	0	0
cov3_4_5_7_11	28.9703	-467.191	0.4147559	0	0	0	0
cov3_4_5_8_11	29.0125	-467.212	0.4149889	0	0	0	0
cov2_3_4_6_8	29.1955	-467.303	0.4160363	0	0	0	-0.031967361
cov3_4_6_8_11	29.2016	-467.306	0.4149001	0	0	0	0
cov2_3_4_6_11	29.2142	-467.313	0.4149606	0	0	0	-0.019873854
cov2_3_6_8_11	29.2229	-467.317	0.4177656	0	0	0	-0.04717776
cov3_4_6_7_11	29.2493	-467.33	0.4145701	0	0	0	0
cov2_3_4_6_7	29.2746	-467.343	0.4155934	0	0	0	-0.029119709
cov2_4_6_7_11	29.3122	-467.362	0.4131153	0	0	0	-0.011115469
cov2_3_6_7_11	29.3139	-467.362	0.4175471	0	0	0	-0.046278112
cov2_4_6_8_11	29.3244	-467.368	0.412925	0	0	0	-0.011005649
cov2_3_4_8_11	29.4875	-467.449	0.4155456	0	0	0	-0.044080003
cov2_3_4_7_11	29.5221	-467.467	0.4151172	0	0	0	-0.040155551
cov1_3_6_7_8_10	29.6748	-464.028	0.4135678	0	-0.16494809	0	0
cov1_3_6_7_8_9	29.9041	-464.143	0.4131154	0	-0.16303599	0	0
cov3_5_6_7_8_10	30.055	-464.218	0.4090904	0	0	0	0
cov1_3_5_7_8_10	30.0813	-464.232	0.4116584	0	-0.051160314	0	0
cov1_2_3_7_8_10	30.1386	-464.26	0.4131302	0	-0.11288158	0	0.020831992
cov1_3_4_7_8_10	30.1486	-464.265	0.4120401	0	-0.081086843	0	0
cov1_5_6_7_8_10	30.1662	-464.274	0.4076022	0	-0.055700373	0	0
cov1_3_7_8_10_11	30.1669	-464.274	0.4133418	0	-0.10593033	0	0

cov1_3_7_8_9_10	30.2038	-464.293	0.4132463	0	-0.095421907	0	0
cov2_3_5_7_8_10	30.2109	-464.296	0.4097325	0	0	0	0.009149402
cov3_5_7_8_9_10	30.2246	-464.303	0.4099833	0	0	0	0
cov3_5_7_8_10_11	30.2253	-464.304	0.4100038	0	0	0	0
cov3_4_5_7_8_10	30.2257	-464.304	0.4100173	0	0	0	0
cov2_5_6_7_8_10	30.2978	-464.34	0.406894	0	0	0	0.011366452
cov5_6_7_8_9_10	30.3147	-464.348	0.4069147	0	0	0	0
cov3_5_6_7_8_9	30.3172	-464.35	0.4086253	0	0	0	0
cov5_6_7_8_10_11	30.3205	-464.351	0.4070151	0	0	0	0
cov4_5_6_7_8_10	30.3206	-464.351	0.4069753	0	0	0	0
cov1_3_5_7_8_9	30.3224	-464.352	0.4113404	0	-0.053460106	0	0
cov1_3_4_7_8_9	30.3682	-464.375	0.4115877	0	-0.079521654	0	0
cov1_5_6_7_8_9	30.3695	-464.376	0.4073721	0	-0.058905263	0	0
cov1_2_3_7_8_9	30.3701	-464.376	0.4127335	0	-0.11025657	0	0.019150093
cov1_3_7_8_9_11	30.3819	-464.382	0.4129307	0	-0.10554634	0	0
cov2_3_5_7_8_9	30.4703	-464.426	0.4093604	0	0	0	0.006861037
cov1_3_5_6_8_10	30.4715	-464.427	0.4129464	0	-0.1370573	0	0
cov3_5_7_8_9_11	30.4776	-464.43	0.4095435	0	0	0	0
cov3_4_5_7_8_9	30.4779	-464.43	0.4094826	0	0	0	0
cov1_3_4_6_8_10	30.5036	-464.443	0.4129736	0	-0.16169886	0	0
cov1_2_3_6_8_10	30.5252	-464.454	0.4143209	0	-0.19163611	0	0.018873274
cov2_5_6_7_8_9	30.5292	-464.456	0.4066335	0	0	0	0.008629467
cov4_5_6_7_8_9	30.541	-464.461	0.4065941	0	0	0	0
cov5_6_7_8_9_11	30.5424	-464.462	0.4067235	0	0	0	0
cov2_4_5_7_8_10	30.5481	-464.465	0.4060675	0	0	0	0.035850811
cov1_3_6_8_10_11	30.5562	-464.469	0.4144844	0	-0.18338952	0	0
cov1_3_6_8_9_10	30.579	-464.48	0.4143785	0	-0.17641321	0	0
cov2_5_7_8_10_11	30.5976	-464.49	0.4072135	0	0	0	0.02268625
cov1_2_5_7_8_10	30.6046	-464.493	0.4073151	0	-0.010615873	0	0.028602156
cov2_5_7_8_9_10	30.6107	-464.496	0.4071642	0	0	0	0.025256228
cov1_3_5_6_7_10	30.678	-464.53	0.4126136	0	-0.12928006	0	0
cov5_7_8_9_10_11	30.6899	-464.536	0.4074845	0	0	0	0
cov4_5_7_8_10_11	30.6907	-464.536	0.4074368	0	0	0	0
cov1_5_7_8_10_11	30.6916	-464.537	0.4075352	0	0.000146316	0	0
cov1_2_4_7_8_10	30.7137	-464.548	0.404936	0	-0.089235794	0	0.074816774
cov1_5_7_8_9_10	30.7267	-464.554	0.4073609	0	0.011633704	0	0
cov1_4_5_7_8_10	30.7275	-464.555	0.4073382	0	0.010993558	0	0
cov1_3_5_6_8_9	30.7304	-464.556	0.4126003	0	-0.13869804	0	0
cov4_5_7_8_9_10	30.7366	-464.559	0.407424	0	0	0	0
cov1_3_4_6_8_9	30.7411	-464.561	0.4124812	0	-0.15950949	0	0
cov1_3_4_6_7_10	30.7441	-464.563	0.4128311	0	-0.16079987	0	0
cov2_4_5_7_8_9	30.7642	-464.573	0.4058381	0	0	0	0.033005157
cov1_4_6_7_8_10	30.7675	-464.575	0.4068406	0	-0.12055507	0	0
cov1_2_3_6_8_9	30.7749	-464.578	0.4138827	0	-0.18832701	0	0.017089371
cov1_2_3_6_7_10	30.7777	-464.58	0.4142931	0	-0.19196052	0	0.018901941
cov1_3_6_8_9_11	30.7906	-464.586	0.4140446	0	-0.18234031	0	0
cov2_5_7_8_9_11	30.8118	-464.597	0.4069959	0	0	0	0.01952335



cov1_3_6_7_10_11	30.8146	-464.598	0.4144466	0	-0.18277112	0	0
cov1_2_5_7_8_9	30.8182	-464.6	0.4071462	0	-0.012991321	0	0.026441868
cov1_3_6_7_9_10	30.8316	-464.607	0.4143549	0	-0.17670681	0	0
cov4_5_7_8_9_11	30.8793	-464.631	0.4070986	0	0	0	0
cov1_2_4_7_8_9	30.8806	-464.631	0.4048146	0	-0.087260051	0	0.071649428
cov1_5_7_8_9_11	30.8807	-464.631	0.4073384	0	-0.004460245	0	0
cov1_4_6_7_8_9	30.8906	-464.636	0.406581	0	-0.11963562	0	0
cov1_4_5_7_8_9	30.9215	-464.652	0.4070576	0	0.006966786	0	0
cov1_3_5_6_7_9	30.9293	-464.656	0.4122585	0	-0.13076196	0	0
cov1_3_4_6_7_9	30.9705	-464.676	0.4123365	0	-0.15856323	0	0
cov1_2_3_4_8_10	31.011	-464.696	0.4110486	0	-0.1033568	0	0.048294965
cov1_2_3_6_7_9	31.0163	-464.699	0.4138614	0	-0.18864557	0	0.017151445
cov1_2_3_5_6_10	31.0246	-464.703	0.4103928	0	-0.10227842	0	0.024798608
cov1_3_6_7_9_11	31.039	-464.71	0.4140036	0	-0.18166826	0	0
cov3_4_7_8_10_11	31.0617	-464.722	0.4087131	0	0	0	0
cov1_2_4_5_6_10	31.1023	-464.742	0.4069542	0	-0.11000683	0	0.050679949
cov1_3_5_6_9_10	31.115	-464.748	0.4104629	0	-0.084436644	0	0
cov1_3_4_5_6_10	31.1168	-464.749	0.4105674	0	-0.084708322	0	0
cov1_3_5_6_10_11	31.1169	-464.749	0.4105302	0	-0.08494144	0	0
cov1_2_3_5_8_10	31.1268	-464.754	0.4126149	0	-0.078131392	0	0.023509403
cov3_4_6_7_8_10	31.1519	-464.767	0.4088984	0	0	0	0
cov1_3_5_8_10_11	31.1589	-464.77	0.4130024	0	-0.074749904	0	0
cov1_2_3_8_10_11	31.174	-464.778	0.4140865	0	-0.12491201	0	0.019803881
cov1_2_3_4_6_10	31.1846	-464.783	0.4086876	0	-0.17085012	0	0.061856526
cov1_3_4_8_10_11	31.1853	-464.784	0.4131148	0	-0.096271286	0	0
cov3_5_6_8_10_11	31.1889	-464.785	0.409876	0	0	0	0
cov3_5_6_8_9_10	31.1973	-464.79	0.4097353	0	0	0	0
cov2_3_5_6_8_10	31.2015	-464.792	0.4098786	0	0	0	-0.001870535
cov3_4_5_6_8_10	31.2019	-464.792	0.4097978	0	0	0	0
cov1_3_4_5_8_10	31.2049	-464.793	0.4126327	0	-0.062770799	0	0
cov1_3_5_8_9_10	31.2093	-464.796	0.4128639	0	-0.062014972	0	0
cov1_2_5_6_8_10	31.2096	-464.796	0.408123	0	-0.087237991	0	0.027084412
cov1_2_3_8_9_10	31.2172	-464.8	0.4140015	0	-0.1146789	0	0.021198191
cov1_2_5_6_10_11	31.2189	-464.8	0.4084515	0	-0.089520381	0	0.0263893
cov1_2_5_6_9_10	31.2241	-464.803	0.4082884	0	-0.085589688	0	0.026783239
cov1_2_5_6_7_10	31.2247	-464.803	0.4082834	0	-0.086408356	0	0.026970036
cov1_2_6_7_8_10	31.2323	-464.807	0.4096007	0	-0.17206848	0	0.021202313
cov1_3_8_9_10_11	31.2324	-464.807	0.4142206	0	-0.10929325	0	0
cov1_3_4_8_9_10	31.2398	-464.811	0.4130127	0	-0.08379826	0	0
cov3_4_7_8_9_10	31.2422	-464.812	0.4077245	0	0	0	0
cov1_2_3_4_7_10	31.2485	-464.815	0.4108078	0	-0.10219867	0	0.050050849
cov3_4_7_8_9_11	31.2511	-464.816	0.4081842	0	0	0	0
cov1_2_3_5_6_9	31.2547	-464.818	0.4101312	0	-0.1038646	0	0.02260549
cov1_2_4_6_8_10	31.2558	-464.819	0.4053462	0	-0.16961863	0	0.077410788
cov2_3_4_7_8_10	31.2561	-464.819	0.4082473	0	0	0	-0.005869011
cov1_4_7_8_10_11	31.2599	-464.821	0.4069691	0	-0.06550287	0	0
cov1_2_3_4_8_9	31.2633	-464.823	0.4107128	0	-0.1008126	0	0.045828492

cov1_6_7_8_10_11	31.2744	-464.828	0.4096967	0	-0.16242505	0	0
cov1_5_6_8_10_11	31.2972	-464.84	0.4082942	0	-0.074885966	0	0
cov1_6_7_8_9_10	31.2992	-464.841	0.4095685	0	-0.15473739	0	0
cov3_5_6_7_10_11	31.3061	-464.844	0.4096661	0	0	0	0
cov1_4_7_8_9_10	31.3103	-464.846	0.4067975	0	-0.05266177	0	0
cov1_2_4_6_7_10	31.3107	-464.846	0.4055802	0	-0.16949012	0	0.076486151
cov1_4_5_6_8_10	31.3125	-464.847	0.4078816	0	-0.068730028	0	0
cov1_2_4_5_6_9	31.3129	-464.847	0.4066907	0	-0.1126523	0	0.049341573
cov3_5_6_7_9_10	31.316	-464.849	0.4095185	0	0	0	0
cov1_5_6_8_9_10	31.3168	-464.849	0.4081048	0	-0.066927812	0	0
cov1_5_6_7_10_11	31.3187	-464.85	0.4084378	0	-0.072847654	0	0
cov1_5_6_9_10_11	31.3196	-464.851	0.4084518	0	-0.070928548	0	0
cov1_4_5_6_10_11	31.3199	-464.851	0.4083619	0	-0.072032723	0	0
cov2_3_5_6_7_10	31.321	-464.851	0.4096157	0	0	0	8.32E-05
cov3_4_5_6_7_10	31.321	-464.851	0.4096335	0	0	0	0
cov3_4_6_7_8_9	31.3277	-464.855	0.408355	0	0	0	0
cov1_4_5_6_9_10	31.3283	-464.855	0.4081362	0	-0.066737625	0	0
cov1_4_5_6_7_10	31.3296	-464.856	0.408113	0	-0.06772023	0	0
cov1_3_5_6_9_11	31.3308	-464.856	0.4102413	0	-0.088737432	0	0
cov1_5_6_7_9_10	31.331	-464.856	0.4082656	0	-0.06617552	0	0
cov1_3_4_5_6_9	31.3311	-464.856	0.4101631	0	-0.087892411	0	0
cov1_2_3_5_7_10	31.3437	-464.863	0.412239	0	-0.069150229	0	0.024120313
cov1_2_6_7_8_9	31.3494	-464.866	0.4093637	0	-0.16975121	0	0.019789677
cov1_2_3_4_6_9	31.3659	-464.874	0.4084038	0	-0.16833632	0	0.059193477
cov1_4_7_8_9_11	31.3746	-464.878	0.4067415	0	-0.065554508	0	0
cov1_2_4_6_9_10	31.3754	-464.879	0.4061358	0	-0.16789206	0	0.073665322
cov1_2_4_6_10_11	31.3766	-464.879	0.4062298	0	-0.16920012	0	0.073487369
cov1_6_7_8_9_11	31.3789	-464.88	0.4094493	0	-0.16179138	0	0
cov1_2_3_5_8_9	31.388	-464.885	0.4123532	0	-0.079385236	0	0.021436825
cov1_3_5_7_10_11	31.3904	-464.886	0.4126155	0	-0.064039762	0	0
cov1_3_5_8_9_11	31.398	-464.89	0.4127061	0	-0.078144632	0	0
cov1_3_4_8_9_11	31.4072	-464.895	0.4126748	0	-0.095611694	0	0
cov2_3_4_5_8_10	31.4072	-464.895	0.4102339	0	0	0	0.010599164
cov1_2_3_8_9_11	31.4078	-464.895	0.4137036	0	-0.1231851	0	0.018008794
cov2_3_5_8_9_10	31.4129	-464.897	0.4106607	0	0	0	0.006478663
cov2_3_5_8_10_11	31.4138	-464.898	0.4106962	0	0	0	0.006334686
cov2_3_4_7_8_9	31.4149	-464.898	0.4077613	0	0	0	-0.00601048
cov3_5_8_9_10_11	31.4195	-464.901	0.4108369	0	0	0	0
cov3_4_5_8_9_10	31.4199	-464.901	0.4107971	0	0	0	0
cov3_4_5_8_10_11	31.4202	-464.901	0.4108142	0	0	0	0
cov2_3_5_6_10_11	31.4235	-464.903	0.4089009	0	0	0	0.007152662
cov3_5_6_9_10_11	31.4273	-464.905	0.408934	0	0	0	0
cov1_3_4_5_7_10	31.4285	-464.905	0.4123244	0	-0.053087893	0	0
cov1_2_4_6_8_9	31.4296	-464.906	0.4052006	0	-0.1670993	0	0.074119062
cov3_4_5_6_10_11	31.4303	-464.906	0.4091916	0	0	0	0
cov1_3_5_7_9_10	31.4306	-464.906	0.4124833	0	-0.052548274	0	0
cov1_2_5_6_8_9	31.4313	-464.907	0.4079273	0	-0.089017616	0	0.024822264

cov1_2_5_6_9_11	31.4345	-464.908	0.408259	0	-0.092210134	0	0.024023871
cov2_3_5_6_9_10	31.441	-464.911	0.4087508	0	0	0	0.00533698
cov3_4_5_6_9_10	31.4442	-464.913	0.4090084	0	0	0	0
cov1_2_5_6_7_9	31.4451	-464.913	0.4080833	0	-0.088172678	0	0.024712966
cov2_3_4_5_6_10	31.4465	-464.914	0.4088652	0	0	0	0.005287351
cov1_2_3_7_10_11	31.4472	-464.915	0.4140337	0	-0.1233601	0	0.019986003
cov1_3_4_5_8_9	31.448	-464.915	0.4122538	0	-0.065595906	0	0
cov1_3_4_7_10_11	31.4495	-464.916	0.4129415	0	-0.093253035	0	0
cov3_5_6_8_9_11	31.4663	-464.924	0.4094108	0	0	0	0
cov2_3_5_6_8_9	31.4726	-464.927	0.4094704	0	0	0	-0.004167224
cov3_4_5_6_8_9	31.474	-464.928	0.4092325	0	0	0	0
cov1_2_3_7_9_10	31.4817	-464.932	0.4139608	0	-0.11420715	0	0.021240127
cov1_2_4_6_7_9	31.4822	-464.932	0.405432	0	-0.16697807	0	0.073212157
cov1_2_3_4_7_9	31.4892	-464.936	0.4104686	0	-0.099676419	0	0.047645688
cov1_3_4_7_9_10	31.4943	-464.938	0.4128461	0	-0.081907805	0	0
cov1_5_6_8_9_11	31.4955	-464.939	0.4080766	0	-0.078948598	0	0
cov1_3_7_9_10_11	31.5067	-464.944	0.4141643	0	-0.10758908	0	0
cov1_4_5_6_8_9	31.5114	-464.947	0.407571	0	-0.072356923	0	0
cov1_4_5_6_9_11	31.5142	-464.948	0.4080596	0	-0.076401654	0	0
cov1_5_6_7_9_11	31.5168	-464.949	0.4082195	0	-0.076909831	0	0
cov2_4_5_6_8_10	31.5187	-464.95	0.4068484	0	0	0	0.014883458
cov2_4_5_6_10_11	31.5259	-464.954	0.4070489	0	0	0	0.015600573
cov2_4_5_6_9_10	31.526	-464.954	0.4070648	0	0	0	0.013647227
cov2_5_6_8_9_10	31.5263	-464.954	0.4072884	0	0	0	0.00893111
cov1_4_5_6_7_9	31.5283	-464.955	0.4078006	0	-0.071332016	0	0
cov2_5_6_8_10_11	31.5309	-464.956	0.4073775	0	0	0	0.009617978
cov2_5_6_9_10_11	31.5315	-464.957	0.4074165	0	0	0	0.009849251
cov2_4_5_6_7_10	31.5322	-464.957	0.4071208	0	0	0	0.013842113
cov2_5_6_7_9_10	31.5351	-464.958	0.4074598	0	0	0	0.008997192
cov2_5_6_7_10_11	31.5371	-464.959	0.4075403	0	0	0	0.010052962
cov4_5_6_8_9_10	31.5393	-464.961	0.4072649	0	0	0	0
cov1_2_4_6_9_11	31.5402	-464.961	0.4060754	0	-0.16760686	0	0.070204333
cov5_6_8_9_10_11	31.5403	-464.961	0.4073811	0	0	0	0
cov4_5_6_8_10_11	31.5457	-464.964	0.4073794	0	0	0	0
cov4_5_6_9_10_11	31.5479	-464.965	0.4074846	0	0	0	0
cov5_6_7_9_10_11	31.5481	-464.965	0.4075493	0	0	0	0
cov4_5_6_7_9_10	31.5492	-464.966	0.4075016	0	0	0	0
cov4_5_6_7_10_11	31.5542	-464.968	0.4076091	0	0	0	0
cov2_3_4_5_7_10	31.5597	-464.971	0.4099976	0	0	0	0.013599537
cov1_3_4_6_9_10	31.5657	-464.974	0.4109446	0	-0.14323433	0	0
cov1_3_4_6_10_11	31.5662	-464.974	0.4110019	0	-0.14226148	0	0
cov2_3_5_7_9_10	31.5666	-464.974	0.410468	0	0	0	0.009127561
cov2_3_5_7_10_11	31.5674	-464.975	0.4105036	0	0	0	0.009029411
cov3_5_6_7_9_11	31.5736	-464.978	0.4091988	0	0	0	0
cov3_5_7_9_10_11	31.5802	-464.981	0.4107249	0	0	0	0
cov3_4_5_7_10_11	31.5811	-464.981	0.4107486	0	0	0	0
cov3_4_5_7_9_10	31.5812	-464.982	0.4107401	0	0	0	0

cov2_3_5_6_7_9	31.5835	-464.983	0.4092039	0	0	0	-0.002160347
cov3_4_5_6_7_9	31.5837	-464.983	0.4090671	0	0	0	0
cov1_2_3_5_7_9	31.597	-464.989	0.4119675	0	-0.070276915	0	0.022062376
cov1_3_5_7_9_11	31.6224	-465.002	0.4123117	0	-0.067297987	0	0
cov2_4_7_8_10_11	31.6361	-465.009	0.4040492	0	0	0	0.03342233
cov1_2_7_8_10_11	31.6462	-465.014	0.4093865	0	-0.11923112	0	0.021723058
cov2_3_7_8_10_11	31.6535	-465.018	0.4131179	0	0	0	-0.047466272
cov1_3_4_7_9_11	31.6605	-465.021	0.4125016	0	-0.092570154	0	0
cov1_3_4_5_7_9	31.6647	-465.023	0.4119375	0	-0.055783802	0	0
cov1_2_3_7_9_11	31.6702	-465.026	0.4136524	0	-0.12165468	0	0.018230945
cov2_3_5_6_9_11	31.6722	-465.027	0.4085567	0	0	0	0.004215152
cov2_3_4_5_8_9	31.6724	-465.027	0.4097982	0	0	0	0.008867727
cov2_3_6_7_8_10	31.675	-465.028	0.4132459	0	0	0	-0.042043943
cov3_4_5_6_9_11	31.6751	-465.028	0.4086756	0	0	0	0
cov2_3_5_8_9_11	31.6803	-465.031	0.4103176	0	0	0	0.003675223
cov3_4_5_8_9_11	31.6805	-465.031	0.4102678	0	0	0	0
cov1_2_7_8_9_10	31.6869	-465.034	0.4092896	0	-0.10904988	0	0.022938092
cov1_2_3_4_5_10	31.6875	-465.035	0.4091486	0	-0.043081835	0	0.042311311
cov2_3_4_5_6_9	31.6881	-465.035	0.4084423	0	0	0	0.003425467
cov1_7_8_9_10_11	31.7168	-465.049	0.4094056	0	-0.10181036	0	0
cov1_3_4_6_9_11	31.7173	-465.05	0.4106157	0	-0.14188266	0	0
cov1_2_3_6_10_11	31.7186	-465.05	0.4132514	0	-0.17992322	0	0.019530899
cov1_2_3_6_9_10	31.7229	-465.052	0.413266	0	-0.18247361	0	0.019138121
cov2_4_6_7_8_10	31.7258	-465.054	0.4042975	0	0	0	0.029563148
cov1_2_3_5_10_11	31.7324	-465.057	0.410289	0	-0.032862606	0	0.026271219
cov1_2_3_5_9_10	31.7365	-465.059	0.4102751	0	-0.030098005	0	0.026613189
cov2_4_5_6_8_9	31.7512	-465.067	0.4065539	0	0	0	0.0124626
cov1_2_7_8_9_11	31.7563	-465.069	0.4091783	0	-0.11784544	0	0.020324295
cov2_4_5_6_9_11	31.7596	-465.071	0.4067699	0	0	0	0.012786605
cov2_4_5_6_7_9	31.7634	-465.073	0.4068254	0	0	0	0.011427143
cov2_4_7_8_9_10	31.7647	-465.073	0.4039399	0	0	0	0.020955225
cov2_5_6_8_9_11	31.7661	-465.074	0.4071254	0	0	0	0.006573235
cov2_4_7_8_9_11	31.7678	-465.075	0.4038266	0	0	0	0.030912755
cov4_7_8_9_10_11	31.769	-465.075	0.4051711	0	0	0	0
cov4_5_6_8_9_11	31.7703	-465.076	0.4069993	0	0	0	0
cov2_5_6_7_9_11	31.7717	-465.077	0.4072881	0	0	0	0.007016602
cov2_3_4_5_9_10	31.7752	-465.079	0.4089835	0	0	0	0.023826977
cov1_3_6_9_10_11	31.7757	-465.079	0.4132641	0	-0.16482857	0	0
cov2_3_4_5_10_11	31.7757	-465.079	0.4090312	0	0	0	0.024332419
cov4_5_6_7_9_11	31.7787	-465.08	0.4072302	0	0	0	0
cov4_6_7_8_10_11	31.78	-465.081	0.4052715	0	0	0	0
cov2_3_5_9_10_11	31.7878	-465.085	0.4096422	0	0	0	0.018312263
cov3_6_7_8_10_11	31.7947	-465.088	0.4127349	0	0	0	0
cov2_3_4_5_7_9	31.8157	-465.099	0.4095651	0	0	0	0.011899363
cov1_2_4_5_8_10	31.817	-465.099	0.4062452	0	-0.038389797	0	0.055421428
cov4_6_7_8_9_10	31.8207	-465.101	0.4050865	0	0	0	0
cov2_3_5_7_9_11	31.8251	-465.103	0.4101273	0	0	0	0.006423626

cov2_3_7_8_9_11	31.8251	-465.103	0.4126017	0	0	0	-0.048012664
cov3_4_5_7_9_11	31.8311	-465.106	0.4102074	0	0	0	0
cov1_3_4_5_10_11	31.8334	-465.108	0.4106345	0	-0.014337581	0	0
cov1_3_5_9_10_11	31.8351	-465.108	0.410443	0	-0.014399639	0	0
cov1_2_4_5_10_11	31.8371	-465.11	0.4070311	0	-0.039283219	0	0.049418821
cov2_3_6_7_8_9	31.8376	-465.11	0.4127342	0	0	0	-0.042615011
cov1_3_4_5_9_10	31.8405	-465.111	0.4106026	0	-0.010226478	0	0
cov2_4_6_7_8_9	31.8447	-465.113	0.4040395	0	0	0	0.027347814
cov3_4_5_9_10_11	31.8455	-465.114	0.4102657	0	0	0	0
cov1_2_4_5_7_10	31.8473	-465.115	0.4065468	0	-0.035754955	0	0.053299091
cov1_2_4_5_9_10	31.8564	-465.119	0.406798	0	-0.032967181	0	0.051191244
cov1_4_6_8_10_11	31.8592	-465.121	0.4074381	0	-0.14026812	0	0
cov2_4_5_8_10_11	31.8775	-465.13	0.4066193	0	0	0	0.033928779
cov1_2_3_6_9_11	31.8779	-465.13	0.4129085	0	-0.17838167	0	0.017912864
cov1_2_3_4_10_11	31.8852	-465.134	0.4088373	0	-0.095467789	0	0.060427315
cov1_2_3_4_9_10	31.8856	-465.134	0.4088298	0	-0.094519949	0	0.060527184
cov2_4_5_8_9_10	31.8856	-465.134	0.406458	0	0	0	0.037107808
cov4_6_7_8_9_11	31.8915	-465.137	0.4049543	0	0	0	0
cov1_4_6_8_9_10	31.892	-465.137	0.4072308	0	-0.13099989	0	0
cov2_4_5_7_10_11	31.902	-465.142	0.4068811	0	0	0	0.03369507
cov1_2_3_4_5_9	31.9022	-465.142	0.408853	0	-0.046194004	0	0.041369385
cov2_4_5_9_10_11	31.9049	-465.143	0.4069917	0	0	0	0.033593412
cov2_4_5_7_9_10	31.9066	-465.144	0.4067404	0	0	0	0.036238281
cov1_4_6_7_10_11	31.908	-465.145	0.4076352	0	-0.13936124	0	0
cov1_2_5_8_10_11	31.9125	-465.147	0.4080285	0	-0.023214047	0	0.027758543
cov2_3_7_8_9_10	31.9282	-465.155	0.4133073	0	0	0	-0.068118192
cov1_4_6_7_9_10	31.9316	-465.157	0.4074431	0	-0.13126059	0	0
cov1_2_5_7_10_11	31.9337	-465.158	0.4081912	0	-0.021020517	0	0.027806847
cov1_2_5_9_10_11	31.9359	-465.159	0.4082384	0	-0.01964365	0	0.027759193
cov2_5_8_9_10_11	31.9398	-465.161	0.4077389	0	0	0	0.021904271
cov1_4_6_9_10_11	31.9488	-465.165	0.4079508	0	-0.13632353	0	0
cov1_2_3_5_9_11	31.9508	-465.166	0.4100704	0	-0.036032521	0	0.024069559
cov1_2_5_8_9_10	31.9556	-465.169	0.4078725	0	-0.011826021	0	0.029013041
cov2_5_7_9_10_11	31.9559	-465.169	0.407925	0	0	0	0.022507143
cov1_2_5_7_9_10	31.9655	-465.174	0.4080514	0	-0.011170824	0	0.028877947
cov1_2_4_8_10_11	31.9713	-465.177	0.4055419	0	-0.10048193	0	0.074845603
cov1_4_6_8_9_11	31.9778	-465.18	0.4071845	0	-0.13994806	0	0
cov3_6_7_8_9_11	31.9902	-465.186	0.4122582	0	0	0	0
cov2_3_4_5_9_11	32.0038	-465.193	0.4086836	0	0	0	0.021618844
cov1_2_4_8_9_10	32.0133	-465.198	0.405376	0	-0.089816418	0	0.076487266
cov1_2_4_5_8_9	32.0217	-465.202	0.4060422	0	-0.041532096	0	0.054098947
cov4_5_8_9_10_11	32.0244	-465.203	0.407869	0	0	0	0
cov1_4_5_8_10_11	32.0248	-465.203	0.4079723	0	-0.004301926	0	0
cov1_4_6_7_9_11	32.0259	-465.204	0.4073821	0	-0.13904397	0	0
cov1_5_8_9_10_11	32.0266	-465.204	0.4080964	0	-0.003187469	0	0
cov1_2_4_7_10_11	32.0328	-465.207	0.4057767	0	-0.099133152	0	0.074061217
cov1_2_4_5_9_11	32.0349	-465.208	0.4068324	0	-0.043213051	0	0.04793548

cov3_6_7_8_9_10	32.0369	-465.209	0.4127548	0	0	0
cov1_3_4_5_9_11	32.0372	-465.21	0.4102825	0	-0.018941432	0
cov4_5_7_9_10_11	32.0471	-465.214	0.4081291	0	0	0
cov1_5_7_9_10_11	32.0482	-465.215	0.4082596	0	-0.00096391	0
cov1_4_5_7_10_11	32.0483	-465.215	0.4082018	0	-0.001761378	0
cov1_4_5_9_10_11	32.0506	-465.216	0.4082747	0	7.46E-06	0
cov1_2_4_5_7_9	32.0513	-465.217	0.4063401	0	-0.038894353	0.051980574
cov1_2_3_4_9_11	32.0609	-465.221	0.4086013	0	-0.094589826	0.057726817
cov1_2_4_7_9_10	32.0643	-465.223	0.4056316	0	-0.089861068	0.075473566
cov1_4_5_8_9_10	32.0799	-465.231	0.4078007	0	0.009922382	0
cov1_4_5_7_9_10	32.0902	-465.236	0.4080452	0	0.010724486	0
cov2_4_5_8_9_11	32.0913	-465.237	0.4064019	0	0	0.030735583
cov1_2_4_9_10_11	32.0947	-465.238	0.4062822	0	-0.095520712	0.07203799
cov2_4_5_7_9_11	32.1149	-465.248	0.4066649	0	0	0.030507752
cov1_2_5_8_9_11	32.1174	-465.25	0.4078736	0	-0.02654225	0.025518037
cov1_2_4_8_9_11	32.1323	-465.257	0.405432	0	-0.099356571	0.071596872
cov1_2_5_7_9_11	32.1383	-465.26	0.4080354	0	-0.024350984	0.025566948
cov1_2_4_7_9_11	32.1923	-465.287	0.4056666	0	-0.09802228	0.070830063
cov1_4_5_8_9_11	32.2085	-465.295	0.4077013	0	-0.009210854	0
cov3_4_8_9_10_11	32.226	-465.304	0.4094295	0	0	0
cov3_4_6_8_10_11	32.2281	-465.305	0.4097329	0	0	0
cov2_3_4_8_10_11	32.2308	-465.306	0.4092776	0	0	0.004941891
cov1_4_5_7_9_11	32.2329	-465.307	0.4079308	0	-0.006697289	0
cov3_7_8_9_10_11	32.2463	-465.314	0.4124906	0	0	0
cov1_3_4_9_10_11	32.2489	-465.315	0.4110979	0	-0.071122938	0
cov3_4_6_8_9_10	32.3359	-465.359	0.4094541	0	0	0
cov1_2_3_9_10_11	32.3401	-465.361	0.4130018	0	-0.11047862	0.021217684
cov2_3_4_6_8_10	32.3453	-465.364	0.4095812	0	0	0.000504636
cov1_2_6_8_10_11	32.3663	-465.374	0.4102808	0	-0.19159391	0.020318509
cov1_2_6_8_9_10	32.3955	-465.389	0.4101665	0	-0.18422139	0.021266769
cov1_2_6_7_10_11	32.3966	-465.389	0.4104376	0	-0.19001082	0.020340237
cov2_3_4_8_9_10	32.3973	-465.39	0.4090745	0	0	-0.007643553
cov1_2_6_9_10_11	32.4088	-465.395	0.4105768	0	-0.187709	0.020285514
cov1_2_6_7_9_10	32.4174	-465.4	0.4103331	0	-0.1836966	0.021128373
cov3_4_7_9_10_11	32.4235	-465.403	0.4093309	0	0	0
cov2_3_4_7_10_11	32.4241	-465.403	0.4090177	0	0	0.007854222
cov1_6_8_9_10_11	32.427	-465.404	0.4102562	0	-0.1758463	0
cov3_4_6_8_9_11	32.4276	-465.405	0.4091941	0	0	0
cov3_4_6_7_10_11	32.4289	-465.405	0.4095638	0	0	0
cov2_3_4_8_9_11	32.4306	-465.406	0.4088389	0	0	0.003337558
cov1_6_7_9_10_11	32.4575	-465.42	0.410413	0	-0.17425014	0
cov1_2_6_8_9_11	32.4789	-465.43	0.4100498	0	-0.18984989	0.018850106
cov1_2_6_7_9_11	32.5088	-465.445	0.4102064	0	-0.18827264	0.018877146
cov2_3_4_6_8_9	32.528	-465.455	0.4090974	0	0	-0.000798844
cov3_4_6_7_9_10	32.5485	-465.465	0.4092672	0	0	0
cov2_3_4_6_7_10	32.5578	-465.47	0.4092989	0	0	0.002525757
cov1_4_8_9_10_11	32.5632	-465.473	0.4074449	0	-0.067495876	0

cov2_3_4_7_9_10	32.6025	-465.492	0.4088041	0	0	0	-0.005183225
cov1_4_7_9_10_11	32.6122	-465.497	0.4076638	0	-0.066484882	0	0
cov2_3_4_7_9_11	32.6145	-465.498	0.4085803	0	0	0	0.00630056
cov3_4_6_7_9_11	32.6176	-465.5	0.4090266	0	0	0	0
cov2_3_4_6_7_9	32.7296	-465.556	0.4088118	0	0	0	0.001282334
cov2_3_6_8_10_11	32.7393	-465.561	0.4139595	0	0	0	-0.039767324
cov2_3_8_9_10_11	32.796	-465.589	0.4138772	0	0	0	-0.049171155
cov2_3_4_9_10_11	32.8008	-465.591	0.4074078	0	0	0	0.021599454
cov2_3_4_6_10_11	32.809	-465.595	0.4075434	0	0	0	0.021416834
cov1_3_5_6_7_8	32.8432	-465.613	0.417884	0	-0.20654269	0	0
cov3_4_6_9_10_11	32.8516	-465.617	0.4083601	0	0	0	0
cov2_3_6_8_9_10	32.8601	-465.621	0.4140493	0	0	0	-0.046597828
cov1_3_6_7_8_11	32.9026	-465.642	0.4170243	0	-0.18070537	0	0
cov1_2_3_6_7_8	32.9153	-465.649	0.416937	0	-0.18254363	0	0.014210733
cov2_3_6_8_9_11	32.9257	-465.654	0.4134738	0	0	0	-0.040887975
cov1_3_4_6_7_8	32.9456	-465.664	0.4168682	0	-0.1704854	0	0
cov2_3_4_6_9_11	32.9604	-465.671	0.4071854	0	0	0	0.019148499
cov2_4_8_9_10_11	32.9642	-465.673	0.4043883	0	0	0	0.033744331
cov1_2_8_9_10_11	32.9727	-465.677	0.4099673	0	-0.12261515	0	0.021911388
cov2_4_6_8_10_11	32.9766	-465.679	0.4045422	0	0	0	0.033898771
cov2_3_6_7_10_11	32.9787	-465.68	0.4138848	0	0	0	-0.039284685
cov2_4_7_9_10_11	32.9988	-465.69	0.4046275	0	0	0	0.033508486
cov1_2_7_9_10_11	33.0033	-465.693	0.4101425	0	-0.12088516	0	0.021937172
cov1_3_5_7_8_11	33.0074	-465.695	0.4177382	0	-0.1738554	0	0
cov2_4_6_7_10_11	33.0108	-465.696	0.404771	0	0	0	0.033458386
cov2_4_6_9_10_11	33.0122	-465.697	0.4048658	0	0	0	0.032916197
cov2_3_4_6_9_10	33.0145	-465.698	0.4073699	0	0	0	0.014121137
cov2_6_7_8_10_11	33.0187	-465.7	0.4093449	0	0	0	-0.031499847
cov1_3_4_5_7_8	33.0255	-465.704	0.4168396	0	-0.16167574	0	0
cov2_3_7_9_10_11	33.0274	-465.705	0.4137993	0	0	0	-0.048072998
cov1_2_3_5_7_8	33.0417	-465.712	0.4175708	0	-0.17022107	0	0.013720582
cov3_6_8_9_10_11	33.0426	-465.712	0.4135317	0	0	0	0
cov2_4_6_8_9_10	33.0605	-465.721	0.4045473	0	0	0	0.027725329
cov1_2_3_7_8_11	33.0795	-465.731	0.4167743	0	-0.14980477	0	0.014236393
cov2_6_7_8_9_11	33.0949	-465.738	0.409043	0	0	0	-0.032427185
cov2_6_7_8_9_10	33.0989	-465.74	0.4093153	0	0	0	-0.037335496
cov4_6_8_9_10_11	33.1004	-465.741	0.4054722	0	0	0	0
cov2_4_6_8_9_11	33.1079	-465.745	0.4043181	0	0	0	0.03112803
cov1_3_4_7_8_11	33.1098	-465.746	0.4168069	0	-0.13872359	0	0
cov2_4_6_7_9_10	33.1117	-465.747	0.4047911	0	0	0	0.0267545
cov2_3_6_7_9_10	33.1158	-465.749	0.4139798	0	0	0	-0.046573666
cov2_7_8_9_10_11	33.1174	-465.75	0.4092667	0	0	0	-0.0440567
cov1_2_3_4_7_8	33.1195	-465.751	0.4159628	0	-0.13561375	0	0.022687702
cov4_6_7_9_10_11	33.1314	-465.757	0.4056873	0	0	0	0
cov2_4_6_7_9_11	33.1412	-465.762	0.4045451	0	0	0	0.030690909
cov2_3_6_7_9_11	33.155	-465.768	0.4134019	0	0	0	-0.04036165
cov1_2_4_6_7_8	33.162	-465.772	0.4126478	0	-0.17222384	0	0.038676495

cov6_7_8_9_10_11	33.2042	-465.793	0.4090847	0	0	0
cov3_6_7_9_10_11	33.2742	-465.828	0.4134582	0	0	0
cov1_4_6_7_8_11	33.2813	-465.832	0.4132229	0	-0.16140758	0
cov1_4_5_6_7_8	33.3292	-465.856	0.4131375	0	-0.15110395	0
cov1_5_6_7_8_11	33.3323	-465.857	0.4140979	0	-0.1585869	0
cov1_2_5_6_7_8	33.3352	-465.859	0.4140693	0	-0.16152149	0.016773831
cov1_2_6_7_8_11	33.3393	-465.861	0.414062	0	-0.1860426	0.015004304
cov1_2_4_7_8_11	33.3468	-465.864	0.4124928	0	-0.13761456	0.038029256
cov1_2_4_5_7_8	33.3595	-465.871	0.4115842	0	-0.14582916	0.050144363
cov1_2_5_7_8_11	33.5039	-465.943	0.4138494	0	-0.12809828	0.016824502
cov1_4_5_7_8_11	33.5071	-465.945	0.4130458	0	-0.11659978	0
cov2_3_6_9_10_11	33.5967	-465.989	0.4128849	0	0	-0.034309062
cov1_3_4_5_6_8	33.7299	-466.056	0.4179394	0	-0.22975639	0
cov1_3_5_6_8_11	33.7461	-466.064	0.4190815	0	-0.23716498	0
cov1_2_3_5_6_8	33.7814	-466.082	0.4189281	0	-0.2343539	0.01170835
cov1_2_3_6_8_11	33.8748	-466.128	0.4179399	0	-0.20393547	0.012807349
cov1_3_4_6_8_11	33.8993	-466.141	0.4179451	0	-0.19421016	0
cov1_2_3_4_6_8	33.9112	-466.147	0.4171662	0	-0.19265865	0.020695247
cov1_2_3_4_5_8	33.9135	-466.148	0.4163538	0	-0.20878614	0.045943656
cov1_3_4_5_6_7	33.9146	-466.148	0.4176716	0	-0.22119585	0
cov1_3_5_6_7_11	33.9312	-466.157	0.418728	0	-0.22775845	0
cov1_2_3_5_6_7	33.9538	-466.168	0.4185845	0	-0.22633217	0.012296291
cov1_3_4_5_8_11	34.0055	-466.194	0.4179448	0	-0.18777697	0
cov1_2_3_6_7_11	34.0062	-466.194	0.4177759	0	-0.20249747	0.013067801
cov1_2_3_4_6_7	34.0236	-466.203	0.4168076	0	-0.19150239	0.022804056
cov1_3_4_6_7_11	34.0312	-466.207	0.4176533	0	-0.19120738	0
cov1_2_3_5_8_11	34.0437	-466.213	0.4187794	0	-0.19366146	0.011802885
cov1_2_3_4_5_6	34.1106	-466.246	0.4148291	0	-0.21130295	0.041109109
cov1_2_3_4_5_7	34.1145	-466.248	0.4160883	0	-0.19814021	0.045056674
cov1_2_3_4_6_11	34.1647	-466.273	0.415494	0	-0.18984306	0.029149744
cov1_2_3_4_8_11	34.1815	-466.282	0.4171669	0	-0.15144506	0.019299506
cov1_3_4_5_7_11	34.2135	-466.298	0.4176408	0	-0.17652283	0
cov1_2_4_5_6_8	34.2213	-466.302	0.4120725	0	-0.20942165	0.053171742
cov1_2_4_5_6_11	34.2284	-466.305	0.4128397	0	-0.20871045	0.047329326
cov1_2_4_6_8_11	34.2352	-466.309	0.4131828	0	-0.19309842	0.038708683
cov1_2_3_5_6_11	34.2386	-466.31	0.4168938	0	-0.19297627	0.014167001
cov1_2_3_5_7_11	34.2386	-466.31	0.4183923	0	-0.18311366	0.012600952
cov1_3_4_5_6_11	34.2423	-466.312	0.4161913	0	-0.18326248	0
cov1_2_4_5_6_7	34.2461	-466.314	0.4123615	0	-0.20658917	0.051237607
cov1_2_4_6_7_11	34.2593	-466.321	0.4133685	0	-0.19163397	0.038203413
cov1_2_3_4_7_11	34.3144	-466.348	0.416771	0	-0.14833205	0.021723775
cov1_4_5_6_8_11	34.4013	-466.392	0.413637	0	-0.17479757	0
cov1_4_5_6_7_11	34.4213	-466.402	0.4138667	0	-0.17234364	0
cov1_2_5_6_8_11	34.4292	-466.406	0.4146888	0	-0.18301374	0.015619695
cov1_2_5_6_7_11	34.4393	-466.411	0.414844	0	-0.1808084	0.015684151
cov1_2_3_4_5_11	34.4491	-466.415	0.4147254	0	-0.15862099	0.039888555
cov2_6_7_9_10_11	34.4562	-466.419	0.4100244	0	0	-0.035523714



cov2_6_8_9_10_11	34.4649	-466.423	0.409861	0	0	0	-0.036140668
cov2_3_5_6_7_8	34.5276	-466.455	0.4151871	0	0	0	-0.025056548
cov2_5_6_7_8_11	34.5325	-466.457	0.414406	0	0	0	-0.020155479
cov1_2_4_5_8_11	34.5341	-466.458	0.4120159	0	-0.16160211	0	0.051091008
cov2_4_5_6_7_8	34.5437	-466.463	0.4147072	0	0	0	-0.024888884
cov1_2_4_5_7_11	34.5692	-466.476	0.4123101	0	-0.15753475	0	0.049252041
cov4_5_6_7_8_11	34.5909	-466.486	0.4140796	0	0	0	0
cov2_4_5_7_8_11	34.5925	-466.487	0.4150598	0	0	0	-0.032115458
cov3_5_6_7_8_11	34.5977	-466.49	0.4149269	0	0	0	0
cov2_3_5_7_8_11	34.6001	-466.491	0.4149591	0	0	0	-0.029252607
cov3_4_5_6_7_8	34.6214	-466.502	0.4144275	0	0	0	0
cov2_3_4_5_7_8	34.6255	-466.504	0.4157973	0	0	0	-0.041668407
cov3_4_5_7_8_11	34.7382	-466.56	0.4140707	0	0	0	0
cov3_4_6_7_8_11	34.8823	-466.632	0.414024	0	0	0	0
cov2_3_4_6_7_8	34.9023	-466.642	0.4149432	0	0	0	-0.026427043
cov2_3_6_7_8_11	34.9397	-466.661	0.4167501	0	0	0	-0.042431612
cov2_4_6_7_8_11	34.9586	-466.67	0.4124609	0	0	0	-0.008837659
cov2_3_4_7_8_11	35.2734	-466.828	0.4144549	0	0	0	-0.040459642
cov2_3_5_6_8_11	35.8114	-467.097	0.4162049	0	0	0	-0.027770189
cov2_3_4_5_6_11	35.8158	-467.099	0.4164042	0	0	0	-0.030874108
cov2_3_4_5_6_8	35.8197	-467.101	0.4167878	0	0	0	-0.035711269
cov2_3_5_6_7_11	35.8231	-467.102	0.4158276	0	0	0	-0.025118126
cov2_3_4_5_6_7	35.8353	-467.109	0.4164005	0	0	0	-0.033103917
cov2_4_5_6_7_11	35.8367	-467.109	0.4154144	0	0	0	-0.025661039
cov2_3_4_5_7_11	35.8479	-467.115	0.4163478	0	0	0	-0.03564314
cov2_3_4_5_8_11	35.8531	-467.117	0.4167473	0	0	0	-0.039732448
cov2_4_5_6_8_11	35.8659	-467.124	0.4151818	0	0	0	-0.025325293
cov3_4_5_6_7_11	35.9139	-467.148	0.4150838	0	0	0	0
cov3_4_5_6_8_11	35.9213	-467.152	0.4153726	0	0	0	0
cov2_3_4_6_8_11	36.1503	-467.266	0.4159603	0	0	0	-0.027100995
cov2_3_4_6_7_11	36.2163	-467.299	0.4155137	0	0	0	-0.023830046
cov1_3_5_6_7_8_10	36.5518	-463.952	0.4118367	0	-0.11780964	0	0
cov1_3_4_6_7_8_10	36.6213	-463.987	0.4121	0	-0.149554	0	0
cov1_2_3_6_7_8_10	36.6497	-464.001	0.4135092	0	-0.18023755	0	0.018929956
cov1_3_6_7_8_10_11	36.6877	-464.02	0.4136588	0	-0.17087676	0	0
cov1_3_6_7_8_9_10	36.7038	-464.028	0.4135692	0	-0.16495314	0	0
cov1_3_5_6_7_8_9	36.803	-464.078	0.4114762	0	-0.11927123	0	0
cov1_3_4_6_7_8_9	36.8479	-464.1	0.4116008	0	-0.14730698	0	0
cov1_2_3_6_7_8_9	36.8886	-464.121	0.4130727	0	-0.17690961	0	0.017173742
cov1_3_6_7_8_9_11	36.9123	-464.133	0.4132147	0	-0.16977079	0	0
cov1_2_3_4_7_8_10	36.9364	-464.145	0.4100556	0	-0.10133355	0	0.049532677
cov1_2_3_5_7_8_10	37.0251	-464.189	0.4114397	0	-0.067673353	0	0.023842268
cov3_5_6_7_8_10_11	37.0734	-464.213	0.409133	0	0	0	0
cov1_3_5_7_8_10_11	37.0759	-464.214	0.4117973	0	-0.061918989	0	0
cov3_5_6_7_8_9_10	37.0796	-464.216	0.4089945	0	0	0	0
cov2_3_5_6_7_8_10	37.0835	-464.218	0.4090393	0	0	0	0.001932914
cov3_4_5_6_7_8_10	37.0841	-464.218	0.4091093	0	0	0	0

cov1_2_5_6_7_8_10	37.0859	-464.219	0.4075407	0	-0.07549715	0	0.026927911
cov1_3_4_5_7_8_10	37.1085	-464.231	0.4115289	0	-0.051785122	0	0
cov1_3_5_7_8_9_10	37.1104	-464.232	0.4116662	0	-0.051223213	0	0
cov1_2_3_7_8_10_11	37.1371	-464.245	0.413246	0	-0.12166515	0	0.019776633
cov1_3_4_7_8_10_11	37.1387	-464.246	0.4121537	0	-0.091784546	0	0
cov1_2_3_7_8_9_10	37.1667	-464.26	0.4131747	0	-0.11319577	0	0.020923684
cov1_3_4_7_8_9_10	37.1776	-464.265	0.412057	0	-0.081193986	0	0
cov1_2_3_4_7_8_9	37.1784	-464.266	0.4097044	0	-0.098744712	0	0.047116891
cov1_5_6_7_8_10_11	37.1805	-464.267	0.4076911	0	-0.061807917	0	0
cov1_2_4_6_7_8_10	37.184	-464.268	0.404917	0	-0.15806788	0	0.075712679
cov1_4_5_6_7_8_10	37.1918	-464.272	0.4074034	0	-0.05669651	0	0
cov1_5_6_7_8_9_10	37.1918	-464.272	0.4075216	0	-0.055286426	0	0
cov1_3_7_8_9_10_11	37.1957	-464.274	0.4133649	0	-0.10602832	0	0
cov2_3_4_5_7_8_10	37.2328	-464.293	0.4092439	0	0	0	0.01347606
cov2_3_5_7_8_9_10	37.2388	-464.296	0.4096882	0	0	0	0.00917481
cov2_3_5_7_8_10_11	37.24	-464.296	0.409736	0	0	0	0.009252512
cov3_5_7_8_9_10_11	37.2532	-464.303	0.4099572	0	0	0	0
cov3_4_5_7_8_9_10	37.2537	-464.303	0.4099705	0	0	0	0
cov3_4_5_7_8_10_11	37.2544	-464.304	0.4099962	0	0	0	0
cov1_2_3_5_7_8_9	37.2803	-464.317	0.411155	0	-0.068759825	0	0.021777537
cov1_2_3_4_6_8_10	37.2933	-464.323	0.4110035	0	-0.18238806	0	0.049344987
cov1_2_5_6_7_8_9	37.3067	-464.33	0.4073365	0	-0.077253011	0	0.024668135
cov1_3_5_7_8_9_11	37.3101	-464.331	0.4114829	0	-0.065127482	0	0
cov2_4_5_6_7_8_10	37.3135	-464.333	0.40636	0	0	0	0.017149025
cov2_5_6_7_8_9_10	37.3211	-464.337	0.4067947	0	0	0	0.011283428
cov2_5_6_7_8_10_11	37.3247	-464.339	0.4068789	0	0	0	0.012070932
cov3_5_6_7_8_9_11	37.3391	-464.346	0.4086666	0	0	0	0
cov4_5_6_7_8_9_10	37.3435	-464.348	0.4068618	0	0	0	0
cov5_6_7_8_9_10_11	37.3436	-464.348	0.406913	0	0	0	0
cov3_4_5_6_7_8_9	37.3458	-464.349	0.4085462	0	0	0	0
cov2_3_5_6_7_8_9	37.3463	-464.35	0.4086328	0	0	0	-0.000305285
cov1_3_4_5_7_8_9	37.3467	-464.35	0.4111311	0	-0.054416596	0	0
cov4_5_6_7_8_10_11	37.3494	-464.351	0.4069718	0	0	0	0
cov1_3_4_7_8_9_11	37.3516	-464.352	0.4117023	0	-0.091053626	0	0
cov1_2_4_6_7_8_9	37.3557	-464.354	0.4047643	0	-0.15554544	0	0.072434423
cov1_2_3_7_8_9_11	37.3622	-464.357	0.4128544	0	-0.11990882	0	0.01799845
cov1_5_6_7_8_9_11	37.379	-464.366	0.4074684	0	-0.065867395	0	0
cov1_4_5_6_7_8_9	37.3912	-464.372	0.4070822	0	-0.060286796	0	0
cov1_2_3_5_6_8_10	37.4305	-464.392	0.4127716	0	-0.1514677	0	0.021638101
cov1_3_5_6_8_10_11	37.4802	-464.416	0.4130667	0	-0.14410813	0	0
cov1_3_4_5_6_8_10	37.4891	-464.421	0.4126053	0	-0.13899255	0	0
cov2_3_4_5_7_8_9	37.4901	-464.421	0.4088018	0	0	0	0.011795884
cov2_3_5_7_8_9_11	37.4992	-464.426	0.4093516	0	0	0	0.006635346
cov1_3_5_6_8_9_10	37.5005	-464.427	0.4129282	0	-0.13693615	0	0
cov3_4_5_7_8_9_11	37.5059	-464.429	0.4094462	0	0	0	0
cov1_3_4_6_8_10_11	37.5089	-464.431	0.4130797	0	-0.16874954	0	0
cov1_2_3_4_6_7_10	37.518	-464.435	0.41079	0	-0.18206299	0	0.050953579

cov1_2_4_5_7_8_10	37.5207	-464.437	0.405829	0	-0.034392352	0	0.052376375
cov1_3_4_6_8_9_10	37.5326	-464.443	0.4129581	0	-0.16162662	0	0
cov1_2_3_6_8_10_11	37.5362	-464.444	0.414413	0	-0.19726627	0	0.018089379
cov2_4_5_6_7_8_9	37.5432	-464.448	0.4060655	0	0	0	0.01474688
cov1_2_3_6_8_9_10	37.5541	-464.453	0.4143335	0	-0.19173731	0	0.018916437
cov1_2_3_4_6_8_9	37.5543	-464.454	0.4106211	0	-0.17906763	0	0.046805673
cov2_5_6_7_8_9_11	37.5574	-464.455	0.4066263	0	0	0	0.009053998
cov4_5_6_7_8_9_11	37.5701	-464.461	0.406593	0	0	0	0
cov2_4_5_7_8_10_11	37.5725	-464.463	0.4061377	0	0	0	0.033758571
cov2_4_5_7_8_9_10	37.5752	-464.464	0.4060014	0	0	0	0.035984665
cov1_3_6_8_9_10_11	37.5853	-464.469	0.4144857	0	-0.18339312	0	0
cov1_2_5_7_8_10_11	37.6067	-464.48	0.4074211	0	-0.019449106	0	0.027573213
cov2_5_7_8_9_10_11	37.6252	-464.489	0.4071641	0	0	0	0.022666784
cov1_2_5_7_8_9_10	37.6332	-464.493	0.4072825	0	-0.010335998	0	0.028533626
cov1_2_3_5_6_7_10	37.6335	-464.493	0.4124346	0	-0.14401148	0	0.022177226
cov1_3_5_6_7_10_11	37.6927	-464.523	0.4127169	0	-0.13525803	0	0
cov1_3_4_5_6_7_10	37.6993	-464.526	0.4123316	0	-0.13091806	0	0
cov1_2_3_5_6_8_9	37.7027	-464.528	0.4124576	0	-0.15179046	0	0.019462801
cov1_3_5_6_7_9_10	37.7068	-464.53	0.4125868	0	-0.12910069	0	0
cov1_2_4_7_8_10_11	37.7161	-464.534	0.4050493	0	-0.097594503	0	0.073492042
cov4_5_7_8_9_10_11	37.718	-464.535	0.4073775	0	0	0	0
cov1_5_7_8_9_10_11	37.719	-464.536	0.4074774	0	0.000482866	0	0
cov1_4_5_7_8_10_11	37.7198	-464.536	0.40744	0	-0.000294679	0	0
cov1_2_4_5_7_8_9	37.7266	-464.54	0.405613	0	-0.037486487	0	0.051039175
cov1_3_5_6_8_9_11	37.7331	-464.543	0.4127297	0	-0.14664586	0	0
cov1_3_4_6_8_9_11	37.7405	-464.547	0.4125937	0	-0.16737471	0	0
cov1_3_4_5_6_8_9	37.7416	-464.547	0.4121671	0	-0.14105728	0	0
cov1_2_4_7_8_9_10	37.7424	-464.548	0.4049062	0	-0.089015334	0	0.074773154
cov1_4_5_7_8_9_10	37.7552	-464.554	0.4072827	0	0.011337921	0	0
cov1_3_4_6_7_10_11	37.7553	-464.554	0.4129238	0	-0.16694963	0	0
cov1_2_3_4_6_7_9	37.7682	-464.56	0.410389	0	-0.17871076	0	0.048456562
cov1_4_6_7_8_10_11	37.7705	-464.562	0.4069401	0	-0.12809625	0	0
cov1_3_4_6_7_9_10	37.773	-464.563	0.4128099	0	-0.16070333	0	0
cov1_2_3_6_8_9_11	37.7802	-464.566	0.4139924	0	-0.1947782	0	0.01620127
cov2_4_5_7_8_9_11	37.7869	-464.57	0.4059134	0	0	0	0.030564149
cov1_4_6_7_8_9_10	37.7929	-464.573	0.4067511	0	-0.12015019	0	0
cov1_2_3_6_7_10_11	37.7937	-464.573	0.4143772	0	-0.1967554	0	0.01823736
cov1_2_3_6_7_9_10	37.8066	-464.58	0.4143097	0	-0.19204841	0	0.018937472
cov1_2_5_7_8_9_11	37.8135	-464.583	0.4072555	0	-0.022750072	0	0.025310211
cov1_3_6_7_9_10_11	37.8437	-464.598	0.414446	0	-0.18276941	0	0
cov1_2_4_7_8_9_11	37.8772	-464.615	0.4049309	0	-0.09643407	0	0.070234063
cov1_4_6_7_8_9_11	37.8891	-464.621	0.4066828	0	-0.12777701	0	0
cov1_2_3_5_6_7_9	37.8983	-464.626	0.412113	0	-0.14419675	0	0.02002242
cov1_4_5_7_8_9_11	37.9066	-464.63	0.4071603	0	-0.005227524	0	0
cov1_3_5_6_7_9_11	37.939	-464.646	0.4123709	0	-0.13764478	0	0
cov1_3_4_5_6_7_9	37.9451	-464.649	0.4118873	0	-0.13283997	0	0
cov1_3_4_6_7_9_11	37.9768	-464.665	0.4124363	0	-0.16551357	0	0

cov1_2_3_4_5_6_10	37.9909	-464.672	0.4090687	0	-0.11763213	0	0.042547931
cov1_2_3_4_8_10_11	38.0012	-464.677	0.4112155	0	-0.11340705	0	0.046728595
cov1_2_3_6_7_9_11	38.0278	-464.69	0.413955	0	-0.19424331	0	0.016384356
cov1_2_3_4_8_9_10	38.0396	-464.696	0.4110873	0	-0.10361114	0	0.048317563
cov1_2_3_4_5_8_10	38.0399	-464.696	0.411042	0	-0.10136486	0	0.047715585
cov1_2_3_5_6_9_10	38.0527	-464.703	0.4103437	0	-0.10194566	0	0.024705715
cov1_2_3_5_6_10_11	38.0534	-464.703	0.4103896	0	-0.10174918	0	0.024881132
cov3_4_6_7_8_10_11	38.0745	-464.714	0.4090317	0	0	0	0
cov1_2_4_5_6_8_10	38.0754	-464.714	0.4062667	0	-0.11705161	0	0.055638714
cov3_4_7_8_9_10_11	38.0827	-464.718	0.4085912	0	0	0	0
cov2_3_4_7_8_10_11	38.0835	-464.718	0.4082738	0	0	0	0.008048574
cov1_2_4_5_6_7_10	38.111	-464.732	0.4065451	0	-0.11441955	0	0.053700275
cov1_2_3_5_8_10_11	38.1144	-464.734	0.4127704	0	-0.088999842	0	0.022233592
cov1_2_4_5_6_10_11	38.1289	-464.741	0.4070327	0	-0.11174254	0	0.050028018
cov1_2_4_5_6_9_10	38.1292	-464.741	0.4068885	0	-0.10958933	0	0.050560062
cov1_3_4_5_6_9_10	38.1441	-464.748	0.4104946	0	-0.08436873	0	0
cov1_3_5_6_9_10_11	38.1441	-464.748	0.4104647	0	-0.08462728	0	0
cov1_3_4_5_6_10_11	38.1459	-464.749	0.4105667	0	-0.084857213	0	0
cov1_2_3_5_8_9_10	38.1553	-464.754	0.4126562	0	-0.078519103	0	0.023575833
cov3_4_6_7_8_9_10	38.1721	-464.762	0.4087495	0	0	0	0
cov2_3_4_6_7_8_10	38.178	-464.765	0.4086396	0	0	0	0.005229778
cov1_3_4_5_8_10_11	38.1822	-464.767	0.4127758	0	-0.075988374	0	0
cov1_3_5_8_9_10_11	38.1879	-464.77	0.4130183	0	-0.074865696	0	0
cov1_2_3_8_9_10_11	38.202	-464.777	0.4141315	0	-0.12518796	0	0.019904657
cov1_2_3_4_6_10_11	38.2096	-464.781	0.4086658	0	-0.16831921	0	0.062201076
cov1_2_3_4_5_6_9	38.2125	-464.783	0.4087218	0	-0.12014214	0	0.041535854
cov1_2_3_4_6_9_10	38.2128	-464.783	0.4086407	0	-0.17061935	0	0.06181859
cov3_5_6_8_9_10_11	38.2139	-464.783	0.4097851	0	0	0	0
cov1_3_4_8_9_10_11	38.2143	-464.784	0.4131341	0	-0.096375487	0	0
cov3_4_5_6_8_10_11	38.2179	-464.785	0.4098398	0	0	0	0
cov2_3_5_6_8_10_11	38.218	-464.785	0.4098867	0	0	0	-0.000449801
cov1_2_5_6_8_10_11	38.2226	-464.788	0.4082149	0	-0.093023797	0	0.026313173
cov2_3_5_6_8_9_10	38.2258	-464.789	0.4097823	0	0	0	-0.001922257
cov3_4_5_6_8_9_10	38.2262	-464.79	0.4096935	0	0	0	0
cov2_3_4_5_6_8_10	38.2305	-464.792	0.4099072	0	0	0	-0.00214178
cov1_3_4_5_8_9_10	38.2338	-464.793	0.4126556	0	-0.062957463	0	0
cov1_2_5_6_8_9_10	38.2366	-464.795	0.4080471	0	-0.086751092	0	0.026933783
cov1_2_6_7_8_10_11	38.2411	-464.797	0.4096731	0	-0.17807278	0	0.020366636
cov1_2_5_6_7_10_11	38.2437	-464.798	0.4083589	0	-0.091014821	0	0.026358235
cov1_2_3_4_8_9_11	38.2456	-464.799	0.4108865	0	-0.11181107	0	0.044141991
cov1_2_5_6_9_10_11	38.2457	-464.799	0.408387	0	-0.089131057	0	0.026244141
cov1_2_3_4_7_10_11	38.2475	-464.8	0.4109561	0	-0.11106628	0	0.048662861
cov1_2_5_6_7_9_10	38.2518	-464.802	0.4082239	0	-0.085988995	0	0.02683285
cov1_2_6_7_8_9_10	38.2609	-464.807	0.4095707	0	-0.17189347	0	0.021128651
cov3_4_6_7_8_9_11	38.2659	-464.809	0.4084955	0	0	0	0
cov2_3_4_7_8_9_10	38.2679	-464.81	0.4080515	0	0	0	-0.005205277
cov1_2_4_6_8_10_11	38.2697	-464.811	0.4054475	0	-0.17484201	0	0.07639276

cov1_2_3_4_5_7_10	38.2708	-464.812	0.4107658	0	-0.091013542	0	0.046808416
cov2_3_4_7_8_9_11	38.2754	-464.814	0.4078277	0	0	0	0.006494529
cov1_2_3_4_7_9_10	38.2772	-464.815	0.410836	0	-0.10242393	0	0.050072035
cov1_2_4_6_8_9_10	38.283	-464.818	0.4052879	0	-0.16928268	0	0.077322164
cov1_2_3_5_6_9_11	38.2837	-464.818	0.4101327	0	-0.10418619	0	0.022555739
cov1_4_7_8_9_10_11	38.2871	-464.82	0.4069042	0	-0.065151444	0	0
cov1_2_4_5_6_8_9	38.2877	-464.82	0.4060191	0	-0.1195995	0	0.054217894
cov1_2_3_4_5_8_9	38.292	-464.822	0.410723	0	-0.10344803	0	0.046598119
cov1_6_7_8_9_10_11	38.3022	-464.827	0.4096478	0	-0.16228732	0	0
cov1_4_5_6_8_10_11	38.3178	-464.835	0.4079859	0	-0.076546619	0	0
cov1_2_4_5_6_7_9	38.3226	-464.838	0.406295	0	-0.11696002	0	0.05228152
cov1_5_6_8_9_10_11	38.3226	-464.838	0.408212	0	-0.074529142	0	0
cov1_2_4_6_7_10_11	38.3302	-464.841	0.4056608	0	-0.17368231	0	0.075677612
cov3_5_6_7_9_10_11	38.3309	-464.842	0.4095723	0	0	0	0
cov2_3_5_6_7_10_11	38.3348	-464.844	0.4096268	0	0	0	0.001654194
cov3_4_5_6_7_10_11	38.3352	-464.844	0.4096803	0	0	0	0
cov1_2_4_5_6_9_11	38.337	-464.845	0.4067988	0	-0.11506117	0	0.048421411
cov1_2_4_6_7_9_10	38.338	-464.845	0.4055078	0	-0.16916268	0	0.076401237
cov1_4_5_6_8_9_10	38.338	-464.845	0.4077999	0	-0.06837674	0	0
cov1_2_3_5_7_10_11	38.3408	-464.847	0.4123788	0	-0.078754739	0	0.022998582
cov1_4_5_6_7_10_11	38.3426	-464.848	0.408195	0	-0.074170978	0	0
cov1_5_6_7_9_10_11	38.3442	-464.848	0.408356	0	-0.072494634	0	0
cov2_3_5_6_7_9_10	38.3451	-464.849	0.4095161	0	0	0	3.36E-05
cov3_4_5_6_7_9_10	38.3451	-464.849	0.4095245	0	0	0	0
cov1_4_5_6_9_10_11	38.3453	-464.849	0.4082734	0	-0.071686121	0	0
cov2_3_4_5_6_7_10	38.3501	-464.851	0.409635	0	0	0	-0.000176456
cov1_2_6_7_8_9_11	38.3543	-464.854	0.409438	0	-0.17632368	0	0.018892705
cov2_3_4_6_7_8_9	38.3551	-464.854	0.408158	0	0	0	0.003958099
cov1_4_5_6_7_9_10	38.3552	-464.854	0.4080257	0	-0.067331215	0	0
cov1_3_4_5_6_9_11	38.3595	-464.856	0.4101668	0	-0.088896136	0	0
cov1_2_3_5_8_9_11	38.3671	-464.86	0.4125129	0	-0.091189673	0	0.020057864
cov1_2_3_5_7_9_10	38.3723	-464.863	0.4123034	0	-0.069513751	0	0.024169738
cov1_2_3_4_6_9_11	38.3934	-464.873	0.4083926	0	-0.16680643	0	0.059397971
cov1_2_4_6_9_10_11	38.4038	-464.878	0.4061718	0	-0.16891655	0	0.073379068
cov1_3_4_5_7_10_11	38.4165	-464.885	0.4124538	0	-0.064940167	0	0
cov1_3_4_5_8_9_11	38.4166	-464.885	0.4123981	0	-0.07973788	0	0
cov1_3_5_7_9_10_11	38.4195	-464.886	0.4126237	0	-0.064099542	0	0
cov2_3_4_5_8_9_10	38.4351	-464.894	0.4101786	0	0	0	0.010718309
cov2_3_4_5_8_10_11	38.4363	-464.895	0.4102315	0	0	0	0.010755332
cov1_2_5_6_8_9_11	38.4385	-464.896	0.4080242	0	-0.095697445	0	0.023942958
cov1_2_4_6_8_9_11	38.4388	-464.896	0.4053091	0	-0.17308535	0	0.072985435
cov2_3_5_8_9_10_11	38.4419	-464.897	0.4106548	0	0	0	0.006323268
cov2_3_5_6_9_10_11	38.448	-464.9	0.4088066	0	0	0	0.007048576
cov3_4_5_8_9_10_11	38.4482	-464.9	0.4107667	0	0	0	0
cov2_3_4_5_6_10_11	38.4523	-464.903	0.4088093	0	0	0	0.008065524
cov3_4_5_6_9_10_11	38.4548	-464.904	0.4090824	0	0	0	0
cov1_3_4_5_7_9_10	38.4575	-464.905	0.4123404	0	-0.053208627	0	0

cov1_2_5_6_7_9_11	38.4595	-464.906	0.4081683	0	-0.093680468	0	0.023991023
cov2_3_4_5_6_9_10	38.47	-464.911	0.4087464	0	0	0	0.005371877
cov1_2_3_7_9_10_11	38.4753	-464.914	0.4140773	0	-0.12362592	0	0.020082938
cov1_3_4_7_9_10_11	38.4785	-464.916	0.4129569	0	-0.093335419	0	0
cov1_2_3_4_7_9_11	38.4813	-464.917	0.4106238	0	-0.10947298	0	0.046141407
cov3_4_5_6_8_9_11	38.4938	-464.923	0.409274	0	0	0	0
cov2_3_5_6_8_9_11	38.4939	-464.923	0.4094818	0	0	0	-0.003053491
cov1_2_4_6_7_9_11	38.4979	-464.925	0.4055232	0	-0.17193166	0	0.072291316
cov2_3_4_5_6_8_9	38.5016	-464.927	0.4094166	0	0	0	-0.003642728
cov1_4_5_6_8_9_11	38.5105	-464.932	0.4076748	0	-0.081002235	0	0
cov1_2_3_4_5_7_9	38.5158	-464.934	0.4104399	0	-0.092965917	0	0.045692924
cov1_4_5_6_7_9_11	38.5361	-464.944	0.4078837	0	-0.078647471	0	0
cov2_4_5_6_8_9_10	38.5409	-464.947	0.4067283	0	0	0	0.014928088
cov2_4_5_6_8_10_11	38.5445	-464.949	0.4067897	0	0	0	0.01617274
cov2_4_5_6_9_10_11	38.5487	-464.951	0.4069411	0	0	0	0.015570664
cov2_5_6_8_9_10_11	38.554	-464.953	0.4072794	0	0	0	0.009485226
cov2_4_5_6_7_9_10	38.5546	-464.954	0.4070025	0	0	0	0.013886842
cov2_4_5_6_7_10_11	38.5549	-464.954	0.4070397	0	0	0	0.015620618
cov2_5_6_7_9_10_11	38.5604	-464.957	0.4074421	0	0	0	0.009921781
cov4_5_6_8_9_10_11	38.5682	-464.96	0.4072627	0	0	0	0
cov4_5_6_7_9_10_11	38.5769	-464.965	0.4074951	0	0	0	0
cov2_3_6_7_8_10_11	38.5819	-464.967	0.4130597	0	0	0	-0.035389926
cov1_2_3_5_7_9_11	38.5868	-464.97	0.4121136	0	-0.08083194	0	0.020840941
cov2_3_4_5_7_9_10	38.5876	-464.97	0.4099441	0	0	0	0.013704165
cov2_3_4_5_7_10_11	38.5887	-464.971	0.4099948	0	0	0	0.013843893
cov1_3_4_6_9_10_11	38.594	-464.973	0.410941	0	-0.14204276	0	0
cov2_3_5_7_9_10_11	38.5956	-464.974	0.4104638	0	0	0	0.009018569
cov3_4_5_6_7_9_11	38.6021	-464.977	0.4091137	0	0	0	0
cov2_3_5_6_7_9_11	38.6025	-464.978	0.40922	0	0	0	-0.00090361
cov3_4_5_7_9_10_11	38.6092	-464.981	0.4107035	0	0	0	0
cov2_3_4_5_6_7_9	38.6125	-464.983	0.4091506	0	0	0	-0.001640026
cov1_3_4_5_7_9_11	38.645	-464.999	0.4120704	0	-0.068572319	0	0
cov2_4_7_8_9_10_11	38.6524	-465.003	0.4039032	0	0	0	0.033576411
cov2_4_6_7_8_10_11	38.6573	-465.005	0.4041258	0	0	0	0.035700598
cov1_2_7_8_9_10_11	38.6752	-465.014	0.4093744	0	-0.11915273	0	0.021693837
cov2_3_7_8_9_10_11	38.6754	-465.014	0.4129951	0	0	0	-0.047327475
cov2_3_6_7_8_9_10	38.6984	-465.026	0.4131419	0	0	0	-0.042082324
cov2_3_4_5_6_9_11	38.7006	-465.027	0.4084039	0	0	0	0.005741345
cov2_3_4_5_8_9_11	38.7014	-465.027	0.4098019	0	0	0	0.008559127
cov1_2_3_4_5_10_11	38.7136	-465.033	0.4091664	0	-0.045231323	0	0.041838216
cov1_2_3_4_5_9_10	38.7165	-465.035	0.4091335	0	-0.042986272	0	0.042297323
cov2_4_6_7_8_9_10	38.7405	-465.047	0.4041268	0	0	0	0.029584206
cov1_2_3_6_9_10_11	38.7477	-465.05	0.4132451	0	-0.17989569	0	0.019516713
cov1_2_3_5_9_10_11	38.7614	-465.057	0.410274	0	-0.032780698	0	0.02625561
cov2_3_6_7_8_9_11	38.7622	-465.057	0.4125766	0	0	0	-0.036480486
cov2_4_5_6_8_9_11	38.7787	-465.066	0.4065163	0	0	0	0.013340814
cov2_4_5_6_7_9_11	38.7887	-465.071	0.4067669	0	0	0	0.012794588

cov2_4_6_7_8_9_11	38.7907	-465.072	0.4039023	0	0	0	0.032914858
cov4_6_7_8_9_10_11	38.7972	-465.075	0.4051163	0	0	0	0
cov2_3_4_5_9_10_11	38.8038	-465.078	0.4089822	0	0	0	0.024398447
cov1_2_4_5_8_10_11	38.8058	-465.079	0.4063877	0	-0.048893912	0	0.053882041
cov3_6_7_8_9_10_11	38.8213	-465.087	0.4126621	0	0	0	0
cov2_3_4_5_7_9_11	38.8448	-465.099	0.4095673	0	0	0	0.011696921
cov1_2_4_5_8_9_10	38.8457	-465.099	0.406217	0	-0.038151163	0	0.055366987
cov1_2_4_5_7_10_11	38.8465	-465.1	0.4066701	0	-0.044820528	0	0.051989017
cov1_3_4_5_9_10_11	38.8622	-465.107	0.410605	0	-0.014176084	0	0
cov1_2_4_5_9_10_11	38.8657	-465.109	0.4069988	0	-0.038941846	0	0.049317395
cov1_2_4_5_7_9_10	38.876	-465.114	0.4065152	0	-0.03563248	0	0.053271045
cov1_4_6_8_9_10_11	38.884	-465.118	0.4073434	0	-0.13991116	0	0
cov2_4_5_8_9_10_11	38.9044	-465.129	0.4065527	0	0	0	0.033991569
cov1_2_3_4_9_10_11	38.9143	-465.134	0.4088325	0	-0.095447647	0	0.060420297
cov1_2_3_4_5_9_11	38.9254	-465.139	0.4088728	0	-0.049160807	0	0.040708011
cov2_4_5_7_9_10_11	38.9292	-465.141	0.4068179	0	0	0	0.033754392
cov1_4_6_7_9_10_11	38.933	-465.143	0.4075425	0	-0.13901057	0	0
cov1_2_5_8_9_10_11	38.9411	-465.147	0.4079957	0	-0.022963282	0	0.027683391
cov1_2_5_7_9_10_11	38.9622	-465.158	0.4081593	0	-0.020779277	0	0.027734522
cov1_2_4_8_9_10_11	38.9999	-465.176	0.405511	0	-0.10028381	0	0.074793535
cov1_2_4_5_8_9_11	39.0026	-465.178	0.4061869	0	-0.052865101	0	0.052428432
cov1_2_4_5_7_9_11	39.0437	-465.198	0.4064681	0	-0.048808772	0	0.050538816
cov1_4_5_8_9_10_11	39.0524	-465.203	0.4079144	0	-0.004010701	0	0
cov1_2_4_7_9_10_11	39.0614	-465.207	0.4057489	0	-0.098963915	0	0.07401642
cov1_4_5_7_9_10_11	39.076	-465.214	0.408146	0	-0.001473948	0	0
cov3_4_6_8_9_10_11	39.2507	-465.302	0.4096099	0	0	0	0
cov2_3_4_6_8_10_11	39.2521	-465.302	0.409398	0	0	0	0.00696111
cov2_3_4_8_9_10_11	39.2521	-465.302	0.4091479	0	0	0	0.005143376
cov2_3_4_6_8_9_10	39.3649	-465.359	0.4094234	0	0	0	0.000626403
cov1_2_6_8_9_10_11	39.3947	-465.374	0.4102468	0	-0.19142982	0	0.020231936
cov1_2_6_7_9_10_11	39.4251	-465.389	0.4104042	0	-0.18985132	0	0.020255944
cov2_3_4_7_9_10_11	39.4453	-465.399	0.4088885	0	0	0	0.008056207
cov2_3_4_6_7_10_11	39.4486	-465.401	0.4091098	0	0	0	0.009397701
cov3_4_6_7_9_10_11	39.4512	-465.402	0.4094334	0	0	0	0
cov2_3_4_6_8_9_11	39.454	-465.403	0.408951	0	0	0	0.005050002
cov2_3_4_6_7_9_10	39.5768	-465.465	0.4091357	0	0	0	0.002649771
cov2_3_4_6_7_9_11	39.6406	-465.497	0.4086669	0	0	0	0.00754198
cov2_3_6_8_9_10_11	39.7646	-465.559	0.4138713	0	0	0	-0.039852301
cov1_3_4_5_6_7_8	39.8145	-465.584	0.4169863	0	-0.20997128	0	0
cov1_3_5_6_7_8_11	39.8282	-465.59	0.4179973	0	-0.21649568	0	0
cov2_3_4_6_9_10_11	39.8298	-465.591	0.4073992	0	0	0	0.021427669
cov1_2_3_5_6_7_8	39.8497	-465.601	0.4178589	0	-0.21518992	0	0.012275561
cov1_2_3_4_5_7_8	39.8885	-465.621	0.4154349	0	-0.19775775	0	0.044216659
cov1_2_3_6_7_8_11	39.906	-465.629	0.4170316	0	-0.19077741	0	0.013092012
cov1_2_3_4_6_7_8	39.9256	-465.639	0.41614	0	-0.18012582	0	0.0221408
cov1_3_4_6_7_8_11	39.9315	-465.642	0.4169556	0	-0.17996481	0	0
cov1_3_4_5_7_8_11	39.9885	-465.671	0.4169471	0	-0.17605492	0	0

cov2_4_6_8_9_10_11	39.9933	-465.673	0.4043845	0	0	0	0.033834865
cov2_3_6_7_9_10_11	40.0039	-465.678	0.4137944	0	0	0	-0.039370829
cov1_2_3_5_7_8_11	40.014	-465.683	0.4176968	0	-0.18244273	0	0.012281845
cov2_4_6_7_9_10_11	40.0279	-465.69	0.4046175	0	0	0	0.033382155
cov2_6_7_8_9_10_11	40.0398	-465.696	0.4092233	0	0	0	-0.031626822
cov1_2_3_4_7_8_11	40.0951	-465.724	0.4161041	0	-0.14726291	0	0.020977951
cov1_2_4_5_6_7_8	40.1415	-465.747	0.4117486	0	-0.1952393	0	0.050325008
cov1_2_4_6_7_8_11	40.1554	-465.754	0.4127422	0	-0.18022963	0	0.037335787
cov1_4_5_6_7_8_11	40.3104	-465.832	0.413214	0	-0.1616088	0	0
cov1_2_5_6_7_8_11	40.3248	-465.839	0.4141489	0	-0.17011978	0	0.015626013
cov1_2_4_5_7_8_11	40.3365	-465.845	0.4116961	0	-0.1571834	0	0.048427789
cov1_2_3_4_5_6_8	40.5786	-465.966	0.4164614	0	-0.26737384	0	0.046085747
cov1_3_4_5_6_8_11	40.6997	-466.026	0.4180545	0	-0.24124724	0	0
cov1_2_3_5_6_8_11	40.7591	-466.056	0.4190522	0	-0.2440843	0	0.010396326
cov1_2_3_4_5_6_7	40.7697	-466.061	0.4162218	0	-0.25824647	0	0.045265406
cov1_2_3_4_5_8_11	40.8717	-466.112	0.4165191	0	-0.22196875	0	0.04391349
cov1_2_3_4_6_8_11	40.8921	-466.122	0.4173087	0	-0.20192253	0	0.019099009
cov1_3_4_5_6_7_11	40.8954	-466.124	0.4177761	0	-0.23169264	0	0
cov1_2_3_5_6_7_11	40.9419	-466.147	0.4186975	0	-0.23513324	0	0.011115256
cov1_2_3_4_6_7_11	41.0148	-466.184	0.4169364	0	-0.1997815	0	0.02137546
cov1_2_3_4_5_7_11	41.0848	-466.219	0.4162394	0	-0.2102362	0	0.043221308
cov1_2_3_4_5_6_11	41.1329	-466.243	0.4148306	0	-0.21367082	0	0.040444661
cov1_2_4_5_6_8_11	41.2043	-466.279	0.4121891	0	-0.21824168	0	0.051528465
cov1_2_4_5_6_7_11	41.2394	-466.296	0.412466	0	-0.21443049	0	0.049801823
cov2_3_5_6_7_8_11	41.5372	-466.445	0.4152054	0	0	0	-0.023254229
cov2_3_4_5_6_7_8	41.5482	-466.45	0.4156834	0	0	0	-0.030111173
cov2_4_5_6_7_8_11	41.5599	-466.456	0.4145822	0	0	0	-0.022293867
cov2_3_4_5_7_8_11	41.6126	-466.483	0.4156706	0	0	0	-0.035990028
cov3_4_5_6_7_8_11	41.6135	-466.483	0.4144904	0	0	0	0
cov2_3_4_6_7_8_11	41.8601	-466.606	0.414878	0	0	0	-0.021668499
cov2_3_4_5_6_8_11	42.8316	-467.092	0.4167152	0	0	0	-0.033138583
cov2_3_4_5_6_7_11	42.844	-467.098	0.4163216	0	0	0	-0.03027122
cov1_2_3_4_6_7_8_10	43.401	-463.862	0.4100887	0	-0.17059975	0	0.050351129
cov1_2_3_5_6_7_8_10	43.5071	-463.915	0.4116558	0	-0.13254919	0	0.022189221
cov1_3_5_6_7_8_10_11	43.5672	-463.945	0.4119341	0	-0.12363172	0	0
cov1_3_4_5_6_7_8_10	43.5746	-463.949	0.4115867	0	-0.11928672	0	0
cov1_3_5_6_7_8_9_10	43.5806	-463.952	0.4118067	0	-0.1176105	0	0
cov1_3_4_6_7_8_10_11	43.6334	-463.979	0.4121878	0	-0.15555181	0	0
cov1_3_4_6_7_8_9_10	43.6502	-463.987	0.4120767	0	-0.14944654	0	0
cov1_2_3_4_6_7_8_9	43.6511	-463.987	0.4096938	0	-0.16724699	0	0.047868291
cov1_2_3_6_7_8_10_11	43.6665	-463.995	0.4135881	0	-0.18489563	0	0.018284817
cov1_2_3_6_7_8_9_10	43.6787	-464.001	0.4135229	0	-0.1803114	0	0.018959949
cov1_3_6_7_8_9_10_11	43.7168	-464.02	0.4136556	0	-0.17086795	0	0
cov1_2_3_5_6_7_8_9	43.7719	-464.048	0.4113284	0	-0.13270833	0	0.020029558
cov1_3_5_6_7_8_9_11	43.8136	-464.069	0.4115839	0	-0.12599894	0	0
cov1_3_4_5_6_7_8_9	43.8209	-464.072	0.4111383	0	-0.1211958	0	0
cov1_3_4_6_7_8_9_11	43.8552	-464.089	0.4116956	0	-0.15410793	0	0



cov1_2_3_6_7_8_9_11	43.9008	-464.112	0.4131613	0	-0.18237359	0	0.016426013
cov1_2_3_4_7_8_10_11	43.9401	-464.132	0.4101914	0	-0.10945474	0	0.048262728
cov1_2_3_4_5_7_8_10	43.9572	-464.14	0.4100073	0	-0.089033541	0	0.045967097
cov1_2_3_4_7_8_9_10	43.9652	-464.144	0.4100793	0	-0.10149222	0	0.049546749
cov1_2_4_5_6_7_8_10	43.9812	-464.152	0.4058727	0	-0.10264555	0	0.052789438
cov1_2_3_5_7_8_10_11	44.0273	-464.176	0.411566	0	-0.076524186	0	0.022824238
cov1_2_3_5_7_8_9_10	44.054	-464.189	0.4114606	0	-0.067936342	0	0.023888805
cov3_5_6_7_8_9_10_11	44.0985	-464.211	0.4090422	0	0	0	0
cov2_3_5_6_7_8_10_11	44.1007	-464.212	0.4090542	0	0	0	0.003311299
cov1_3_4_5_7_8_10_11	44.1025	-464.213	0.4116492	0	-0.06274636	0	0
cov3_4_5_6_7_8_10_11	44.1025	-464.213	0.4091506	0	0	0	0
cov1_3_5_7_8_9_10_11	44.105	-464.214	0.4117964	0	-0.061913629	0	0
cov1_2_5_6_7_8_10_11	44.1056	-464.215	0.4076106	0	-0.079960285	0	0.026337216
cov2_3_5_6_7_8_9_10	44.1081	-464.216	0.4089478	0	0	0	0.001883187
cov3_4_5_6_7_8_9_10	44.1086	-464.216	0.409005	0	0	0	0
cov2_3_4_5_6_7_8_10	44.1125	-464.218	0.4089802	0	0	0	0.002546213
cov1_2_5_6_7_8_9_10	44.1129	-464.218	0.4074773	0	-0.075065808	0	0.026787934
cov1_3_4_5_7_8_9_10	44.1376	-464.231	0.411535	0	-0.051830773	0	0
cov1_2_3_7_8_9_10_11	44.1656	-464.245	0.4132822	0	-0.12188698	0	0.019853668
cov1_3_4_7_8_9_10_11	44.1678	-464.246	0.4121609	0	-0.091824536	0	0
cov1_2_3_4_7_8_9_11	44.1758	-464.25	0.4098483	0	-0.10780777	0	0.045726685
cov1_2_4_5_6_7_8_9	44.1934	-464.259	0.4056192	0	-0.10518102	0	0.051366304
cov1_2_4_6_7_8_10_11	44.204	-464.264	0.4049934	0	-0.16214013	0	0.074928125
cov1_2_3_4_5_7_8_9	44.2042	-464.264	0.4096689	0	-0.090905747	0	0.044835648
cov1_4_5_6_7_8_10_11	44.2056	-464.265	0.407481	0	-0.062971609	0	0
cov1_5_6_7_8_9_10_11	44.2058	-464.265	0.407607	0	-0.061446471	0	0
cov1_2_4_6_7_8_9_10	44.2111	-464.267	0.4048553	0	-0.15772787	0	0.075621249
cov1_4_5_6_7_8_9_10	44.2172	-464.27	0.407314	0	-0.056299547	0	0
cov2_3_4_5_7_8_9_10	44.2603	-464.292	0.4091822	0	0	0	0.013608251
cov2_3_4_5_7_8_10_11	44.2615	-464.293	0.4092364	0	0	0	0.013989424
cov2_3_5_7_8_9_10_11	44.2679	-464.296	0.4096907	0	0	0	0.009240259
cov1_2_3_5_7_8_9_11	44.2756	-464.3	0.4112898	0	-0.078534743	0	0.020642636
cov3_4_5_7_8_9_10_11	44.2822	-464.303	0.409945	0	0	0	0
cov1_2_3_4_6_8_10_11	44.3091	-464.316	0.4111178	0	-0.18727989	0	0.048410093
cov1_2_3_4_5_6_8_10	44.3213	-464.323	0.4109896	0	-0.17796374	0	0.048036207
cov1_2_5_6_7_8_9_11	44.3218	-464.323	0.4074159	0	-0.082619063	0	0.023963835
cov1_2_3_4_6_8_9_10	44.3224	-464.323	0.410998	0	-0.18234664	0	0.049340008
cov1_3_4_5_7_8_9_11	44.3334	-464.329	0.4112545	0	-0.066336518	0	0
cov2_4_5_6_7_8_9_10	44.3362	-464.33	0.406246	0	0	0	0.017200468
cov2_4_5_6_7_8_10_11	44.3384	-464.331	0.4062957	0	0	0	0.018588792
cov2_5_6_7_8_9_10_11	44.3483	-464.336	0.4067835	0	0	0	0.011941429
cov3_4_5_6_7_8_9_11	44.3676	-464.346	0.4085857	0	0	0	0
cov2_3_5_6_7_8_9_11	44.3681	-464.346	0.4086481	0	0	0	0.00076445
cov1_2_4_6_7_8_9_11	44.372	-464.348	0.4048499	0	-0.16038024	0	0.071531456
cov4_5_6_7_8_9_10_11	44.3724	-464.348	0.4068597	0	0	0	0
cov2_3_4_5_6_7_8_9	44.3747	-464.349	0.4084911	0	0	0	0.001087407
cov1_4_5_6_7_8_9_11	44.4	-464.362	0.4071664	0	-0.06745598	0	0

cov1_2_3_5_6_8_10_11	44.4443	-464.384	0.4128782	0	-0.15708263	0	0.020886811
cov1_2_3_5_6_8_9_10	44.4596	-464.392	0.4127671	0	-0.15143752	0	0.021631495
cov1_3_4_5_6_8_10_11	44.4968	-464.41	0.4127142	0	-0.14630522	0	0
cov1_3_5_6_8_9_10_11	44.509	-464.416	0.4130431	0	-0.14396674	0	0
cov1_3_4_5_6_8_9_10	44.518	-464.421	0.4125796	0	-0.13884489	0	0
cov2_3_4_5_7_8_9_11	44.5192	-464.421	0.4087998	0	0	0	0.011842904
cov1_2_4_5_7_8_10_11	44.5248	-464.424	0.4059425	0	-0.042687369	0	0.051180483
cov1_3_4_6_8_9_10_11	44.5378	-464.431	0.413052	0	-0.16865958	0	0
cov1_2_3_4_5_6_7_10	44.5382	-464.431	0.410743	0	-0.16948413	0	0.047278635
cov1_2_3_4_6_7_10_11	44.5384	-464.431	0.4108818	0	-0.18604942	0	0.050194943
cov1_2_3_4_6_7_9_10	44.5471	-464.435	0.4107755	0	-0.18193333	0	0.05092333
cov1_2_4_5_7_8_9_10	44.5492	-464.436	0.4057934	0	-0.034099135	0	0.052312352
cov1_2_3_4_6_8_9_11	44.5649	-464.444	0.4107467	0	-0.18485173	0	0.045726956
cov1_2_3_6_8_9_10_11	44.5652	-464.444	0.4144259	0	-0.19732729	0	0.018119979
cov2_4_5_6_7_8_9_11	44.5701	-464.447	0.4060222	0	0	0	0.015779572
cov1_2_3_4_5_6_8_9	44.5834	-464.454	0.4106205	0	-0.17918583	0	0.046840276
cov2_4_5_7_8_9_10_11	44.5993	-464.461	0.4060677	0	0	0	0.033835968
cov1_2_5_7_8_9_10_11	44.635	-464.479	0.4073821	0	-0.019155322	0	0.027485138
cov1_2_3_5_6_7_10_11	44.6526	-464.488	0.4125234	0	-0.14860764	0	0.021567716
cov1_2_3_5_6_7_9_10	44.6625	-464.493	0.4124235	0	-0.1439196	0	0.022157419
cov1_2_3_5_6_8_9_11	44.7107	-464.517	0.4125772	0	-0.15834364	0	0.018596347
cov1_3_4_5_6_7_10_11	44.7133	-464.519	0.4124248	0	-0.1371154	0	0
cov1_3_5_6_7_9_10_11	44.7214	-464.523	0.4126848	0	-0.13507181	0	0
cov1_2_4_5_7_8_9_11	44.7243	-464.524	0.4057317	0	-0.046652305	0	0.049708446
cov1_3_4_5_6_7_9_10	44.7281	-464.526	0.4122991	0	-0.13072043	0	0
cov1_3_4_5_6_8_9_11	44.7429	-464.533	0.4122856	0	-0.14929008	0	0
cov1_2_4_7_8_9_10_11	44.7445	-464.534	0.4050135	0	-0.097361689	0	0.073431526
cov1_4_5_7_8_9_10_11	44.7471	-464.535	0.4073772	0	3.15E-05	0	0
cov1_3_4_6_7_9_10_11	44.7842	-464.554	0.4129026	0	-0.16682701	0	0
cov1_2_3_4_6_7_9_11	44.7844	-464.554	0.410507	0	-0.1835825	0	0.047566963
cov1_2_3_4_5_6_7_9	44.7935	-464.559	0.4103696	0	-0.17040967	0	0.046028208
cov1_4_6_7_8_9_10_11	44.7954	-464.56	0.4068453	0	-0.12774025	0	0
cov1_2_3_6_7_9_10_11	44.8228	-464.573	0.4143887	0	-0.19680874	0	0.018264325
cov1_2_3_5_6_7_9_11	44.9126	-464.618	0.4122145	0	-0.14973964	0	0.019293569
cov1_3_4_5_6_7_9_11	44.9538	-464.639	0.4119902	0	-0.13997931	0	0
cov1_2_3_4_5_6_9_10	45.0187	-464.671	0.4090123	0	-0.11729171	0	0.042479078
cov1_2_3_4_5_6_10_11	45.0192	-464.671	0.4090667	0	-0.11661413	0	0.042757995
cov1_2_3_4_8_9_10_11	45.03	-464.677	0.4112445	0	-0.11357011	0	0.046745834
cov1_2_3_4_5_8_10_11	45.0301	-464.677	0.4112096	0	-0.11161036	0	0.046208332
cov1_2_3_4_5_8_9_10	45.0685	-464.696	0.411079	0	-0.10169945	0	0.047762876
cov1_2_3_5_6_9_10_11	45.0815	-464.703	0.4103414	0	-0.10145669	0	0.024784076
cov2_3_4_6_7_8_10_11	45.0893	-464.707	0.4084746	0	0	0	0.011548568
cov1_2_4_5_6_8_10_11	45.0907	-464.707	0.4063695	0	-0.12227598	0	0.054794303
cov3_4_6_7_8_9_10_11	45.0973	-464.71	0.4089076	0	0	0	0
cov1_2_4_5_6_8_9_10	45.1022	-464.713	0.4061989	0	-0.11665133	0	0.055542914
cov2_3_4_7_8_9_10_11	45.1041	-464.714	0.4081378	0	0	0	0.008260692
cov1_2_4_5_6_7_10_11	45.1316	-464.728	0.4066267	0	-0.11851359	0	0.053006889

cov1_2_4_5_6_7_9_10	45.1378	-464.731	0.4064795	0	-0.11400124	0	0.053579917
cov1_2_3_5_8_9_10_11	45.1432	-464.733	0.4128033	0	-0.089258355	0	0.022288854
cov1_2_4_5_6_9_10_11	45.1556	-464.74	0.4069676	0	-0.11135977	0	0.049883678
cov1_3_4_5_6_9_10_11	45.1731	-464.748	0.4104954	0	-0.084564756	0	0
cov2_3_4_6_7_8_9_10	45.198	-464.761	0.4084841	0	0	0	0.005345488
cov1_3_4_5_8_9_10_11	45.2112	-464.767	0.4127889	0	-0.076075614	0	0
cov1_2_3_4_6_9_10_11	45.2379	-464.781	0.4086178	0	-0.16814023	0	0.06218132
cov1_2_3_4_5_6_9_11	45.2415	-464.783	0.4087331	0	-0.12004342	0	0.041569531
cov3_4_5_6_8_9_10_11	45.2428	-464.783	0.4097396	0	0	0	0
cov2_3_5_6_8_9_10_11	45.243	-464.783	0.4097974	0	0	0	-0.000534501
cov2_3_4_5_6_8_10_11	45.247	-464.785	0.4098373	0	0	0	5.25E-05
cov1_2_5_6_8_9_10_11	45.2493	-464.786	0.4081511	0	-0.092630015	0	0.026159813
cov2_3_4_5_6_8_9_10	45.2549	-464.789	0.4097957	0	0	0	-0.002050658
cov1_2_6_7_8_9_10_11	45.2695	-464.797	0.4096378	0	-0.17790408	0	0.020277652
cov1_2_3_4_5_7_10_11	45.2701	-464.797	0.4109143	0	-0.10007571	0	0.045495044
cov1_2_5_6_7_9_10_11	45.2705	-464.797	0.408295	0	-0.090634012	0	0.026206464
cov1_2_3_4_5_8_9_11	45.2742	-464.799	0.4108968	0	-0.11457122	0	0.044950532
cov1_2_3_4_7_9_10_11	45.2763	-464.8	0.4109801	0	-0.11120709	0	0.048680748
cov2_3_4_6_7_8_9_11	45.285	-464.804	0.408028	0	0	0	0.009680328
cov1_2_4_6_8_9_10_11	45.2966	-464.81	0.4053844	0	-0.17453666	0	0.076285715
cov1_2_4_5_6_8_9_11	45.2979	-464.811	0.4061277	0	-0.12557309	0	0.053162088
cov1_2_3_4_5_7_9_10	45.2996	-464.812	0.4107951	0	-0.091276057	0	0.046845475
cov1_2_4_5_6_7_9_11	45.3391	-464.831	0.4063832	0	-0.12186272	0	0.05142738
cov1_4_5_6_8_9_10_11	45.3429	-464.833	0.4078933	0	-0.076207775	0	0
cov1_2_4_6_7_9_10_11	45.3572	-464.84	0.4055987	0	-0.17338377	0	0.075572756
cov2_3_5_6_7_9_10_11	45.3596	-464.842	0.4095364	0	0	0	0.001567674
cov3_4_5_6_7_9_10_11	45.36	-464.842	0.409576	0	0	0	0
cov2_3_4_5_6_7_10_11	45.3637	-464.844	0.4095684	0	0	0	0.002244678
cov1_4_5_6_7_9_10_11	45.3678	-464.846	0.4081034	0	-0.073829365	0	0
cov1_2_3_5_7_9_10_11	45.3697	-464.847	0.4124027	0	-0.078958668	0	0.023039953
cov2_3_4_5_6_7_9_10	45.3742	-464.849	0.4095291	0	0	0	-9.03E-05
cov1_3_4_5_7_9_10_11	45.4456	-464.885	0.4124598	0	-0.064980234	0	0
cov2_3_4_5_8_9_10_11	45.4641	-464.894	0.4101765	0	0	0	0.010816672
cov2_3_4_5_6_9_10_11	45.4767	-464.9	0.4087018	0	0	0	0.008089724
cov1_2_3_4_5_7_9_11	45.5081	-464.916	0.4105953	0	-0.10291858	0	0.044240699
cov2_3_4_5_6_8_9_11	45.5225	-464.923	0.409368	0	0	0	-0.001898796
cov2_4_5_6_8_9_10_11	45.567	-464.945	0.4066812	0	0	0	0.016132588
cov2_4_5_6_7_9_10_11	45.5778	-464.951	0.4069278	0	0	0	0.015595715
cov2_3_6_7_8_9_10_11	45.6074	-464.966	0.4129732	0	0	0	-0.035474303
cov2_3_4_5_7_9_10_11	45.6166	-464.97	0.409942	0	0	0	0.013909851
cov2_3_4_5_6_7_9_11	45.6312	-464.977	0.4090968	0	0	0	0.000340037
cov2_4_6_7_8_9_10_11	45.6751	-464.999	0.4039773	0	0	0	0.035625036
cov1_2_3_4_5_9_10_11	45.7426	-465.033	0.4091475	0	-0.045255842	0	0.041952478
cov1_2_4_5_8_9_10_11	45.8342	-465.079	0.4063534	0	-0.048634668	0	0.053818582
cov1_2_4_5_7_9_10_11	45.875	-465.099	0.4066276	0	-0.044554785	0	0.051902502
cov2_3_4_6_8_9_10_11	46.2746	-465.299	0.4092693	0	0	0	0.006992481
cov2_3_4_6_7_9_10_11	46.4708	-465.397	0.4089773	0	0	0	0.009429001

cov1_2_3_4_5_6_7_8	46.6758	-465.5	0.4155722	0	-0.2463707	0	0.0444266
cov1_3_4_5_6_7_8_11	46.7966	-465.56	0.4170854	0	-0.22032392	0	0
cov1_2_3_5_6_7_8_11	46.8389	-465.581	0.4179664	0	-0.22386989	0	0.011116927
cov1_2_3_4_5_7_8_11	46.865	-465.594	0.4155786	0	-0.20919511	0	0.042484157
cov1_2_3_4_6_7_8_11	46.9178	-465.621	0.4162599	0	-0.18829274	0	0.02075012
cov1_2_4_5_6_7_8_11	47.1357	-465.73	0.4118475	0	-0.20297858	0	0.048909492
cov1_2_3_4_5_6_8_11	47.5619	-465.943	0.4166077	0	-0.27616472	0	0.044444162
cov1_2_3_4_5_6_7_11	47.7624	-466.043	0.4163537	0	-0.2661884	0	0.043807008
cov2_3_4_5_6_7_8_11	48.5605	-466.442	0.4156152	0	0	0	-0.027559916
cov1_2_3_4_5_6_7_8_10	50.4199	-463.857	0.4100431	0	-0.15706049	0	0.046391077
cov1_2_3_4_6_7_8_10_11	50.4219	-463.858	0.4101753	0	-0.17446478	0	0.049616717
cov1_2_3_4_6_7_8_9_10	50.43	-463.862	0.4100738	0	-0.17052534	0	0.050341817
cov1_2_3_5_6_7_8_10_11	50.5268	-463.911	0.4117391	0	-0.13699907	0	0.021599521
cov1_2_3_5_6_7_8_9_10	50.5361	-463.915	0.411641	0	-0.13243251	0	0.022164524
cov1_3_4_5_6_7_8_10_11	50.5895	-463.942	0.411675	0	-0.12531059	0	0
cov1_3_5_6_7_8_9_10_11	50.5959	-463.945	0.4118999	0	-0.12342655	0	0
cov1_3_4_5_6_7_8_9_10	50.6033	-463.949	0.4115512	0	-0.11907343	0	0
cov1_3_4_6_7_8_9_10_11	50.6622	-463.978	0.4121594	0	-0.15543806	0	0
cov1_2_3_4_6_7_8_9_11	50.6679	-463.981	0.4097954	0	-0.17198789	0	0.046987424
cov1_2_3_4_5_6_7_8_9	50.6756	-463.985	0.4096575	0	-0.15811569	0	0.045186749
cov1_2_3_6_7_8_9_10_11	50.6955	-463.995	0.4135974	0	-0.18493806	0	0.018306351
cov1_2_3_5_6_7_8_9_11	50.7869	-464.041	0.4114247	0	-0.13810449	0	0.019320674
cov1_3_4_5_6_7_8_9_11	50.8305	-464.063	0.4112362	0	-0.1281662	0	0
cov1_2_3_4_5_7_8_10_11	50.9613	-464.128	0.4101433	0	-0.097326529	0	0.044767565
cov1_2_3_4_7_8_9_10_11	50.9691	-464.132	0.4102072	0	-0.10954685	0	0.048274482
cov1_2_3_4_5_7_8_9_10	50.9862	-464.14	0.4100268	0	-0.089209275	0	0.045991898
cov1_2_4_5_6_7_8_10_11	51.0023	-464.148	0.4059437	0	-0.1065816	0	0.052112712
cov1_2_4_5_6_7_8_9_10	51.0078	-464.151	0.405805	0	-0.10221652	0	0.052666335
cov1_2_3_5_7_8_9_10_11	51.0563	-464.175	0.4115811	0	-0.076652754	0	0.022850343
cov2_3_5_6_7_8_9_10_11	51.1259	-464.21	0.4089665	0	0	0	0.003228183
cov3_4_5_6_7_8_9_10_11	51.1276	-464.211	0.4090522	0	0	0	0
cov2_3_4_5_6_7_8_10_11	51.1292	-464.212	0.4089166	0	0	0	0.004706937
cov1_3_4_5_7_8_9_10_11	51.1315	-464.213	0.4116461	0	-0.062725428	0	0
cov1_2_5_6_7_8_9_10_11	51.1322	-464.213	0.4075436	0	-0.079579896	0	0.026200879
cov2_3_4_5_6_7_8_9_10	51.137	-464.216	0.4088709	0	0	0	0.002634316
cov1_2_3_4_5_7_8_9_11	51.2018	-464.248	0.4098132	0	-0.10011076	0	0.043495242
cov1_2_4_5_6_7_8_9_11	51.2105	-464.253	0.4057042	0	-0.10996505	0	0.05053579
cov1_4_5_6_7_8_9_10_11	51.2306	-464.263	0.4073885	0	-0.062647777	0	0
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cov2_3_4_5_7_8_9_10_11	51.2891	-464.292	0.4091771	0	0	0	0.014063012
cov1_2_3_4_5_6_8_10_11	51.3372	-464.316	0.4111061	0	-0.18299036	0	0.047151099
cov1_2_3_4_6_8_9_10_11	51.3382	-464.316	0.4111053	0	-0.18722482	0	0.048400894
cov1_2_3_4_5_6_8_9_10	51.3504	-464.322	0.4109844	0	-0.17789305	0	0.048027198
cov2_4_5_6_7_8_9_10_11	51.3615	-464.328	0.4061861	0	0	0	0.018563453
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cov1_2_3_5_6_8_9_10_11	51.4734	-464.384	0.4128692	0	-0.15701745	0	0.020870411
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cov1_2_3_4_5_6_7_10_11	51.5588	-464.427	0.4108415	0	-0.17341653	0	0.046520168
cov1_2_3_4_5_6_7_9_10	51.5672	-464.431	0.4107338	0	-0.16920809	0	0.047206377
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cov1_2_3_4_5_6_8_9_11	51.594	-464.444	0.4107475	0	-0.18507991	0	0.045794326
cov1_2_3_5_6_7_9_10_11	51.6816	-464.488	0.4125002	0	-0.14848579	0	0.021546214
cov1_3_4_5_6_7_9_10_11	51.7419	-464.518	0.4123872	0	-0.13691364	0	0
cov1_2_3_4_5_6_7_9_11	51.8098	-464.552	0.410476	0	-0.17537063	0	0.045164092
cov1_2_3_4_5_6_9_10_11	52.047	-464.671	0.4090006	0	-0.11647587	0	0.042716911
cov1_2_3_4_5_8_9_10_11	52.059	-464.677	0.4112363	0	-0.11183434	0	0.046248465
cov2_3_4_6_7_8_9_10_11	52.1121	-464.703	0.408348	0	0	0	0.011578972
cov1_2_4_5_6_8_9_10_11	52.1172	-464.706	0.4062683	0	-0.12172127	0	0.054560165
cov1_2_4_5_6_7_9_10_11	52.1582	-464.726	0.4065542	0	-0.11810632	0	0.052859682
cov2_3_4_5_6_8_9_10_11	52.2719	-464.783	0.4097359	0	0	0	8.50E-05
cov1_2_3_4_5_7_9_10_11	52.299	-464.797	0.4109348	0	-0.10023891	0	0.04552439
cov2_3_4_5_6_7_9_10_11	52.3885	-464.842	0.4094646	0	0	0	0.002285822
cov1_2_3_4_5_6_7_8_11	53.6694	-465.482	0.4156983	0	-0.25421287	0	0.042990755
cov1_2_3_4_5_6_7_8_10_11	57.441	-463.853	0.4101292	0	-0.16101385	0	0.045706234
cov1_2_3_4_5_6_7_8_9_10	57.4489	-463.857	0.410026	0	-0.15691762	0	0.046362739
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cov1_2_3_5_6_7_8_9_10_11	57.5558	-463.911	0.4117224	0	-0.13687635	0	0.021572594
cov1_3_4_5_6_7_8_9_10_11	57.618	-463.942	0.4116233	0	-0.12508924	0	0
cov1_2_3_4_5_6_7_8_9_11	57.6925	-463.979	0.409759	0	-0.16295258	0	0.044345415
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cov1_2_4_5_6_7_8_9_10_11	58.0288	-464.147	0.4058751	0	-0.10620768	0	0.051965502
cov2_3_4_5_6_7_8_9_10_11	58.1543	-464.21	0.4088182	0	0	0	0.004752373
cov1_2_3_4_5_6_8_9_10_11	58.3662	-464.316	0.41109	0	-0.18285451	0	0.047126342
cov1_2_3_4_5_6_7_9_10_11	58.5877	-464.427	0.4108205	0	-0.173274	0	0.046488079
cov1_2_3_4_5_6_7_8_9_10_11	64.4699	-463.853	0.4101065	0	-0.16085531	0	0.04567329

[illegible]



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0	0	0	-0.009870354	0	-0.098683299	0	0	0	0.013094029
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0	0.011862484	0	-0.068269615	0	0	0	0	0	0
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0	0	0	0	0	-0.103682	0	0	-0.004419808
0	0	0	-0.002873841	0	-0.10130943	0	0	-0.004885998
0	0.032359576	0	0.001609516	0	-0.07917105	0	0	0
0	0	0	0	0	-0.10296786	0	0	-0.004515035
0	0	0	-0.002017538	0	-0.10134104	0	0	0
0	0	0	0	0	-0.10329368	0	0	0
0	0	0	-0.001931885	0	-0.10135012	0	0	0
0	0	0	-0.049328939	0	0	0.093165149	0	-0.013265448
0	0.028166581	0	0.001979034	0	-0.093908544	0	0	0
0	0	0	-0.038380105	0	-0.065367881	0	0	0
0	0.030668402	0	-0.057379178	0	0	0	0	0
0	0	0	-0.07944495	0	0	0	0	-0.01693727
0	0	0	-0.04751176	0	0	0.090777933	0	0
0	0.10081393	0	0	0	0	0	0	1.0140568
0	0	0	-0.004152794	0	-0.099185203	0	0	0
0	0	0	0	0	-0.10330358	0	0	0
0	0	0	-0.005096239	0	-0.090239098	0	0	0
0	0	0	-0.002418643	0	-0.10132682	0	0	0
0	0	0	0	0	-0.10368149	0	0	0.000397188
0	0	0	-0.002358828	0	-0.10131342	0	0	-5.71E-05
0	0	0	-0.075822587	0	0	0	0	0
0	0	0	-0.003369308	0	-0.091645813	0	0	-0.00063644
0	0	0	-0.028472929	0	-0.092666757	0	0	0

[illegible]

0	0	0	0	0	0	0	0.08613533	0	-0.005478324
0	0.074489853	0	-0.065084532	0	0	0	-0.017797061	0	-0.08089098
0	0	0	0	0	0	0	0.085279351	0	-0.009285651
0	0	0	-0.046556653	0	0	0	0	0	0
0	0.07639331	0	-0.068238514	0	0	0	0	0	0
0	0.068438413	0	-0.076274056	0	0	0	0	0	-0.07724194
0	0	0	-0.0456742	0	0	0	0	0	-0.015796131
0	0.070978579	0	-0.072028502	0	0	0	0	0	-0.078870774
0	0.07267437	0	-0.062094887	0	0	0	0	0	-0.070949076
0	0	0	-0.046500572	0	0	0	0	0	0
0	0	0	-0.044110275	0	0	0	0	0	0
0	0	0	-0.045621557	0	0	0	0	0	-0.010025186
0	0	0	-0.045884788	0	0	0	0	0	0
0	0	0	-0.045001653	0	0	0	0	0	-0.015478606
0	0.070014403	0	-0.065000651	0	0	0	-0.016060029	0	-0.076133151
0	0.067246144	0	-0.070575202	0	0	0	0	0	-0.074583715
0	0.1153901	0	0	0	0	0	0	0	0
0	0.032007932	0	-0.077451056	0	0	0	0	0	0
0	0.03629905	0	-0.062425533	0	0	0	0	0	0
0	0.036116726	0	-0.064555881	0	0	0	0.00484093	0	0
0	0.11397394	0	0	0	0	0	-0.032813303	0	0
0	0.056748016	0	0	0	0	0	0.051351385	0	0.96349381
0	0.030311599	0	-0.075920347	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	-0.09778765	0	0	0	0	0	0
0	0.11082532	0	0	0	0	0	0	0	0
0	0.034034667	0	-0.064555532	0	0	0	0.005082307	0	0
0	0	0	0	0	0	0	0	0	-0.00825546
0	0	0	-0.096284054	0	0	0	0	0	-0.009538696
0	0	0	-0.094529803	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	-0.094662459	0	0	0	0.000326901	0	0
0	0.025433033	0	-0.079059198	0	0	0	-0.015885971	0	0
0	0	0	0	0	0	0	0	0	0
0	0.10738111	0	0	0	0	0	0	0	-0.089879341
0	0.10965426	0	0	0	0	0	-0.030730733	0	0
0	0.028374866	0	-0.070461614	0	0	0	-0.010758904	0	0
0	0	0	0	0	0	0	0	0	0
0	0.11326567	0	0	0	0	0	-0.043891358	0	0
0	0	0	0	0	0	0	0	0	-0.003123791
0	0.11338656	0	0	0	0	0	0	0	0
0	0.023784056	0	-0.083413956	0	0	0	0	0	0
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0	0	0	-0.097357152	0	0	0	-0.012126548	0	0
0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	-0.019396943	0	0	0	1.0733624
0	0.10226381	0	0	0	0	0	-0.067800252	0	-0.094197615
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0	0.10415404	0	0	0	0	0	0	0	-0.076502901
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0	0.059045465	0	0	0	0	0	-0.035092411	0	0
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0	0.064154214	0	0	0	0	0	0.061097161	0	0
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0	0.064669418	0	0.000485551	0	0	0	0.063315411	0	0
0	0.080277798	0	0	0	0.036843881	0	0.064121572	0	-0.072583703
0	0.057779489	0	0	0	0	0	0.061985627	0	-0.05469545
0	0.093196274	0	0	0	0	0	0	0	1.0355906
0	0.057468098	0	0	0	0	0	0.063257042	0	-0.049620198
0	0.092846023	0	0	0	0.045870336	0	0	0	0
0	0.057203312	0	-0.001436971	0	0	0	0.064059299	0	-0.049371038
0	0.093768773	0	-0.020476174	0	0.064972757	0	0	0	0
0	0.091736583	0	0	0	0.044213566	0	0	0	0
0	0.023448819	0	-0.022659451	0	0	0	0.063516139	0	0
0	0.064793472	0	0	0	0	0	0	0	0
0	0.066442002	0	0.002139437	0	0	0	0	0	0
0	0.030649766	0	0	0	0	0	0.061593897	0	0
0	0.032068884	0	0	0	0.000552895	0	0.062536406	0	0
0	0.02758618	0	-0.008972938	0	0	0	0.062779309	0	0
0	0	0	-0.053470014	0	0.027472099	0	0.066046753	0	0
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0	0.031102936	0	-0.014091851	0	0.013269851	0	0.064255183	0	0
0	0.080798046	0	0	0	0.036769473	0	0	0	-0.07766003
0	0	0	-0.035345157	0	0	0	0.063513777	0	0
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0	0	0	-0.037463289	0	0	0	0.065616157	0	0
0	0.081579764	0	-0.018588866	0	0.054067469	0	0	0	-0.075698286
0	0	0	-0.036538593	0	0	0	0.06537929	0	-0.002462557
0	0.07947116	0	0	0	0.034969828	0	0	0	-0.070251748
0	0.0580235	0	0	0	0	0	0	0	-0.054391465
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0	0.051832912	0	-0.01141752	0	0	0	0	0	-0.044502054
0	0	0	-0.021288369	0	0	0	0.064317311	0	0
0	0	0	-0.020630397	0	0	0	0.064347336	0	-0.004935222
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0	0	0	0	0	0	0	-0.020377281	0	0.007877856

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0	0	0	0	0	-0.018469689	0	0.062854898	0	0
0	0.027621509	0	-0.039775802	0	0.032087022	0	0	0	0
0	0	0	-0.020038365	0	-0.000870611	0	0.06638604	0	0.000472977
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0	0	0	0	0	0	0	0.062509897	0	0
0	0	0	0	0	-0.019051803	0	0.062860691	0	-0.00072316
0	0	0	0	0	-0.019954091	0	0.064025449	0	0.004206781
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0	0	0	-0.048562805	0	0.022359993	0	0	0	0
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0	0	0	-0.056111692	0	0.030050146	0	0	0	0
0	0	0	-0.035178922	0	0	0	0	0	-0.006342442
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0	0	0	-0.052895753	0	0.026590466	0	0	0	-0.004797917
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0	0.000767875	0	0	0	-0.081207893	0	0	0	1.0739153
0	0	0	0	0	0	0	-0.040899327	0	0.011117035
0	0	0	0	0	0	0	-0.042182832	0	0
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0	-0.007478675	0	0	0	-0.092493362	0	0	0	1.0907946
0	0	0	-0.01932499	0	-0.001353508	0	0	0	0
0	0	0	0	0	-0.019796798	0	0	0	0
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0	0	0	-0.048777522	0	0	0	-0.052282135	0	1.1268557
0	0.022855845	0	-0.045594285	0	0	0	-0.071191767	0	1.1127025
0	0.049414389	0	0	0	0	0	-0.067508238	0	1.0963969
0	0	0	-0.044418811	0	0	0	-0.058097405	0	1.1255266
0	0.046756396	0	0	0	0	0	-0.083959294	0	1.1274504
0	0	0	0	0	0	0	-0.054878365	0	1.1455808
0	0	0	-0.049959346	0	0	0	0	0	1.0864473

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0	0.045961305	0	0	0	0	0	0	1.0564817
0	0.018847298	0	-0.044257058	0	0	0	0	1.0531538
0	0.015167244	0	0	0	-0.064670665	0	-0.019247992	0
0	0.021410712	0	0	0	-0.06321928	0	-0.026044515	0
0	0.014706131	0	0.011780205	0	-0.075013652	0	-0.020545503	0
0	0	0	0	0	-0.072258182	0	-0.01451828	0.015428192
0	0.010942397	0	0	0	-0.068568247	0	-0.022196871	0.002392305
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0	0.015692155	0	0.014138104	0	-0.080811294	0	0	0
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0	0.015700908	0	0.01810861	0	-0.087831904	0	0	0
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0	0	0	-0.010345898	0	-0.070070405	0	-0.024066719	0.0154558
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0	0.000960802	0	-0.010228228	0	-0.073242059	0	-0.031953426	0.010474435
0	0.010613828	0	-0.011773065	0	-0.06780782	0	-0.03670509	0
0	-0.006852463	0	-0.01034159	0	-0.08455117	0	0	0.024771777
0	0.000441118	0	-0.011879796	0	-0.08242627	0	0	0
0	0.042127952	0	-0.02818968	0	0	0	-0.057921055	0
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0	0.022948934	0	-0.034731891	0	0	0	-0.044058493	0
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0	0.032887317	0	-0.031461007	0	0	0	-0.056478481	-0.024379559
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0	0.034271168	0	-0.037067531	0	0	0	0	0
0	0.025730059	0	-0.039785229	0	0	0	0	-0.007074661
0	0.11186561	0	0	0	0	0	0.079344966	0.91107162
0	0.10691933	0	0	0	0	0	0.078779187	0.91641873
0	0.049057333	0	0	0	-0.11765128	0	0.037588729	1.0201315
0	0.08722507	0	0	0	-0.044032087	0	0	1.013598
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0	0.10429698	0	0	0	0	0	0	0.9941495
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0	0.056200751	0	0	0	-0.091773752	0	0	1.0475101
0	0.099269751	0	0	0	-0.041173216	0	0.09327561	0
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0	0	0	0	0	-0.13417586	0	0.049206501	1.0575998
0	0	0	-0.003304412	0	-0.12765337	0	0.052575484	1.0538524
0	0	0	0	0	-0.13044134	0	0.05285604	1.0544881
0	0	0	-0.025596286	0	-0.097959173	0	0	1.0964171
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0	0.11999127	0	0	0	0	0	0.091125988	0
0	0	0	0	0	-0.1153697	0	0	1.0985786
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0	0.1124558	0	0	0	0	0	0.091158896	-0.111921
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0	0.11724384	0	0	0	0	0	0	0
0	0.029691545	0	-0.06424775	0	0	0.090900916	0	0
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0	0.030077247	0	-0.057427628	0	0	0	0	0
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0	0.083673484	0	-0.065517101	0	0	0	0	0
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0	0.10350283	0	0	0	0	0	0	1.0422641
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0	0.083002651	0	-0.063907179	0	0	0	-0.018537892	0
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0	0.08008416	0	-0.021119809	0	0.057295068	0	0.053095069	0	0.93509926
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0	0	0	-0.013412743	0	-0.13115746	0	0	0
0	-0.1066056	0	0.005360126	0	-0.14302121	0	-0.014426055	0
0	0	0	-0.013736403	0	-0.13023429	0	-0.003557816	0
0	0	0	-0.012036551	0	-0.13185371	0	-0.000370038	0
0	-1.1247062	0	-0.02679744	0	-0.12215985	0	0	0
0	-0.11026598	0	0.002118146	0	-0.13766419	0	-0.016114062	0
0	0	0	-0.007707989	0	-0.12148694	0	0.004428096	0
0	0	0	-0.13743631	0	0	0	0.000261094	0
0	-0.058853297	0	-0.01808053	0	-0.15034412	0	0.007605246	0
0	-0.058856383	0	-0.01798243	0	-0.15041036	0	0.007527854	0
0	-0.058899288	0	0	0	-0.16793033	0	0.007801211	0
0	-0.013288777	0	-0.0135867	0	-0.13261844	0	-0.009129869	0
0	-0.059924618	0	-0.01934546	0	-0.14920143	0	0	0
0	-1.035379	0	-0.007615397	0	-0.095064962	0	-0.010202773	0
0	0	0	0	0	-0.13539219	0	-0.012278786	0
0	0	0	-0.013433403	0	-0.1325164	0	-0.007249278	0
0	-0.11029659	0	-0.12885211	0	0	0	-0.015362456	0
0	0	0	0.004142636	0	-0.13726438	0	-0.012305651	0
0	-1.115685	0	-0.1440884	0	0	0	0.021283513	0
0	-0.031057044	0	-0.013145077	0	-0.11685255	0	-0.008851004	0
0	-0.022528722	0	-0.13777433	0	0	0	-0.009809944	0
0	0	0	0.004919423	0	-0.14072887	0	0	0
0	0	0	-0.13763802	0	0	0	-0.00799044	0
0	-0.015090508	0	-0.01788942	0	-0.125865	0	-0.011066394	0
0	0	0	-0.012865818	0	-0.11634067	0	-0.007072458	0
0	0	0	-0.018305188	0	-0.14826353	0	0.008334898	0
0	0	0	-0.018382616	0	-0.14794595	0	0.008101876	0
0	0	0	0	0	-0.16610254	0	0.008624604	0
0	0	0	-0.017545219	0	-0.12609856	0	-0.00914403	0
0	0	0	0.004115415	0	-0.14107259	0	-0.012672488	0
0	0	0	-0.019822133	0	-0.14691981	0	0	0
0	0	0	0.000964971	0	-0.13591879	0	-0.014363299	0
0	-0.071928647	0	-0.009919745	0	-0.14667768	0	0.000271111	0
0	0	0	-0.019179796	0	-0.14275793	0	0.010355583	0
0	0	0	-0.12834633	0	0	0	-0.013635323	0
0	-0.055285034	0	-0.16108944	0	0	0	0.006258213	0
0	-0.008725492	0	-0.02273338	0	-0.13910374	0	0.003774992	0
0	0	0	-0.022195477	0	-0.1389241	0	0.005286622	0
0	-1.1326432	0	-0.016846184	0	-0.12157721	0	0.023465789	0
0	0	0	-0.009621674	0	-0.14416638	0	0.000538734	0
0	0	0	-0.1593665	0	0	0	0.00709726	0
0	-1.1141494	0	-0.029815302	0	-0.10737536	0	0.020773048	0
0	0	0	-0.002729055	0	-0.13077399	0	-0.0038683	0
0	-0.021229332	0	-0.007270634	0	-0.12617545	0	-0.014312968	0
0	0	0	-0.007064113	0	-0.12623758	0	-0.012332479	0
0	-0.090031017	0	-0.022832848	0	-0.12953084	0	0.023406421	0
0	0	0	-0.023382919	0	-0.12652568	0	0.024888663	0

0	-1.0095517	0	0	0	0	0	0
0	-1.0119714	0	0	0	0	-0.015425003	0
0	-1.0139666	0	0	0	0	-0.014264144	0
0	-1.0584297	0	0	0	0	-0.016308982	0
0	-1.0111953	0	0	0	0	-0.013714131	0
0	-1.0136395	0	0	0	0	-0.013319121	0
0	-0.10371917	0	0	0	0	-0.01527887	0
0	0	0	0	0	0	-0.013626763	0
0	-1.0903489	0	0	0	0	0.009009916	0
0	-1.0182578	0	0	-0.14687931	0	0	0
0	-1.0175095	0	0	-0.14380569	0	-0.00644429	0
0	-1.0177287	0	-0.002564009	0	-0.14169056	0	0
0	-1.0218048	0	0	0	-0.1481314	0	-0.006909021
0	-1.022082	0	-0.002562143	0	-0.14609498	0	0
0	-1.0210238	0	0	0	-0.14602065	0	-0.008494298
0	-1.0217604	0	-0.005891434	0	-0.14093829	0	-0.008343036
0	-1.0214043	0	-0.005732999	0	-0.14099877	0	0
0	-1.0202463	0	-0.004817738	0	-0.13344855	0	-0.009294162
0	-1.0175738	0	-0.13764282	0	0	0	-0.007897282
0	-1.0181884	0	-0.13979289	0	0	0	0
0	-1.0227662	0	0.001870484	0	-0.13727219	0	-0.007882001
0	-1.021823	0	-0.14095203	0	0	0	-0.008446156
0	-1.0208318	0	-0.13916702	0	0	0	-0.009914663
0	-1.0935406	0	0	0	-0.13743756	0	-0.011231911
0	-1.0929015	0	0.002707393	0	-0.13769113	0	-0.011276131
0	-1.0953704	0	0.003291581	0	-0.14115233	0	0
0	-1.0228128	0	0	0	-0.14421617	0	-0.006353152
0	-1.0231135	0	-0.013778065	0	-0.13129923	0	0
0	-1.0956492	0	0.002591527	0	-0.1416048	0	-0.011624052
0	-1.0664107	0	-0.017541837	0	-0.14795524	0	0.007304213
0	-1.0656902	0	-0.017709227	0	-0.14729205	0	0.006845327
0	-1.0668177	0	0	0	-0.16510233	0	0.00770329
0	-1.096	0	-0.000504137	0	-0.13655178	0	-0.013290109
0	-1.0269875	0	-0.013835942	0	-0.13257928	0	-0.007016535
0	-1.0679149	0	-0.019029885	0	-0.14667968	0	0
0	-1.0926227	0	-0.13040809	0	0	0	-0.012606597
0	-1.0226103	0	-0.13814652	0	0	0	-0.007791378
0	-1.0266178	0	-0.017824401	0	-0.12633715	0	-0.00889733
0	-1.021488	0	-0.013192274	0	-0.11643791	0	-0.006870962
0	-1.1011049	0	-0.010768312	0	-0.14460469	0	0.001218126
0	-0.1127637	0	0	0	-0.14646846	0	-0.008199121
0	-0.1147025	0	-0.002206184	0	-0.14346397	0	-0.008236012
0	-0.11013964	0	-0.001606247	0	-0.14542567	0	0
0	-1.0587135	0	-0.021705126	0	-0.13818607	0	0.004252403
0	-1.0672246	0	-0.15836747	0	0	0	0.006186216
0	-0.10574962	0	-0.001600006	0	-0.1467176	0	-0.008829288
0	-0.10995632	0	-0.00504453	0	-0.14111229	0	-0.010444069

0	-1.0986029	0	-0.008419616	0	-0.12701011	0	-0.011293568	0
0	0	0	0	0	-0.1460031	0	-0.006573207	0
0	0	0	-0.002935228	0	-0.14357374	0	0	0
0	0	0	-0.002865273	0	-0.14070892	0	-0.006671051	0
0	-0.10997139	0	-0.13924894	0	0	0	-0.009706037	0
0	0	0	-0.002809937	0	-0.14497978	0	-0.007148579	0
0	0	0	-0.006174203	0	-0.13955835	0	-0.008783411	0
0	0	0	-0.13890221	0	0	0	-0.008066342	0
0	0	0	-0.009862155	0	-0.13433645	0	0.001877739	0
0	-0.11298457	0	0.004675108	0	-0.14055719	0	-0.013957334	0
0	-1.1168816	0	-0.022416648	0	-0.12742042	0	0.022949538	0
0	-0.022394087	0	-0.014298237	0	-0.13006481	0	-0.008464311	0
0	0	0	-0.014109637	0	-0.13006936	0	-0.006649597	0
0	-0.058835408	0	-0.018081045	0	-0.15035406	0	0.007617988	0
0	0	0	0.00349597	0	-0.13877918	0	-0.012252204	0
0	0	0	-0.018413038	0	-0.1482052	0	0.008438709	0
0	-1.0091324	0	0	0	0	0	-0.013440649	0
0	-1.0180356	0	0	0	-0.14648295	0	-0.006362927	0
0	-1.0182683	0	-0.003391798	0	-0.14359613	0	0	0
0	-1.0176819	0	-0.003287408	0	-0.14062471	0	-0.006493905	0
0	-1.0217841	0	-0.00328336	0	-0.14495479	0	-0.0069282	0
0	-1.0210705	0	-0.006667077	0	-0.13956751	0	-0.008536545	0
0	-1.0179198	0	-0.13939449	0	0	0	-0.007859932	0
0	-1.0935981	0	0.001863018	0	-0.13925615	0	-0.01122302	0
0	-1.0228832	0	-0.014495923	0	-0.1301984	0	-0.006452461	0
0	-1.0666903	0	-0.017772283	0	-0.1478279	0	0.007525307	0
0	-0.11270134	0	-0.002428722	0	-0.14411157	0	-0.008208607	0
0	0	0	-0.0036167	0	-0.14250389	0	-0.006591289	0
0	-1.0180547	0	-0.004071835	0	-0.14254316	0	-0.00639022	0

SUPPLEMENTARY TABLE 7

Model	BIC	Loglike	H2r	SE	bsnp_rs2938864	SE	bsnp_rs1001646
cov0	0	-227.149	0.372704	0	0	0	0
cov9	4.3123	-225.795	0.3701944	0	0	0	0
cov10	4.3266	-225.802	0.3706997	0	0	0	0
cov3	4.7989	-226.038	0.3668976	0	0	0	0
cov1	4.933	-226.105	0.3716411	0	-0.050935257	0	0
cov2	5.6548	-226.466	0.373105	0	0	0	-0.040725921
cov6	6.4283	-226.853	0.3727161	0	0	0	0
cov11	6.723	-227	0.3713302	0	0	0	0
cov5	6.9273	-227.102	0.3724024	0	0	0	0
cov7	6.9711	-227.124	0.373258	0	0	0	0
cov8	6.9884	-227.133	0.3731517	0	0	0	0
cov4	7.0198	-227.149	0.3727212	0	0	0	0
cov1_5	8.3152	-224.286	0.3736679	0	-0.16803053	0	0
cov1_4	9.3785	-224.818	0.372682	0	-0.11251736	0	0
cov3_9	10.0477	-225.153	0.366488	0	0	0	0
cov3_10	10.0885	-225.173	0.366947	0	0	0	0
cov2_4	10.0975	-225.177	0.3766971	0	0	0	-0.11597477
cov1_6	10.1446	-225.201	0.3694756	0	-0.1566975	0	0
cov1_3	10.228	-225.243	0.3664635	0	-0.044780565	0	0
cov3_8	10.6013	-225.429	0.3595119	0	0	0	0
cov1_10	10.6527	-225.455	0.3706591	0	-0.03233146	0	0
cov1_9	10.6905	-225.474	0.3702914	0	-0.031448139	0	0
cov3_7	10.7043	-225.481	0.3597964	0	0	0	0
cov2_3	10.8526	-225.555	0.3676205	0	0	0	-0.034495066
cov2_10	10.9961	-225.627	0.3713842	0	0	0	-0.022270407
cov2_9	11.0065	-225.632	0.3709333	0	0	0	-0.021593756
cov1_11	11.1863	-225.722	0.374417	0	-0.087805112	0	0
cov7_9	11.1936	-225.725	0.3711301	0	0	0	0
cov7_10	11.2061	-225.732	0.3716466	0	0	0	0
cov8_9	11.2225	-225.74	0.3710301	0	0	0	0
cov8_10	11.2352	-225.746	0.3715463	0	0	0	0
cov4_9	11.2445	-225.751	0.3703674	0	0	0	0
cov4_10	11.2759	-225.767	0.3708727	0	0	0	0
cov9_10	11.3041	-225.781	0.3704024	0	0	0	0
cov5_9	11.3312	-225.794	0.370166	0	0	0	0
cov9_11	11.3319	-225.795	0.3701495	0	0	0	0
cov6_9	11.332	-225.795	0.3702157	0	0	0	0
cov5_10	11.3404	-225.799	0.3706306	0	0	0	0
cov10_11	11.343	-225.8	0.3705754	0	0	0	0
cov6_10	11.343	-225.8	0.3707468	0	0	0	0
cov3_6	11.4854	-225.871	0.3671369	0	0	0	0
cov3_5	11.6158	-225.937	0.366111	0	0	0	0
cov3_4	11.771	-226.014	0.3665118	0	0	0	0
cov3_11	11.7752	-226.016	0.3665301	0	0	0	0
cov1_7	11.8473	-226.052	0.3723412	0	-0.051759031	0	0

cov1_8	11.8741	-226.066	0.3722502	0	-0.051643897	0	0
cov1_2	11.9411	-226.099	0.3714416	0	-0.057149143	0	0.007233494
cov2_5	11.945	-226.101	0.3748664	0	0	0	-0.074179385
cov2_11	12.5583	-226.408	0.3744281	0	0	0	-0.051797692
cov2_7	12.5962	-226.427	0.3737508	0	0	0	-0.04121919
cov2_6	12.6188	-226.438	0.3731879	0	0	0	-0.051167408
cov2_8	12.6188	-226.438	0.3736532	0	0	0	-0.041142179
cov4_6	12.8908	-226.574	0.3735769	0	0	0	0
cov5_6	13.2047	-226.731	0.3735577	0	0	0	0
cov6_7	13.3807	-226.819	0.3733294	0	0	0	0
cov6_8	13.4002	-226.829	0.3732364	0	0	0	0
cov6_11	13.4482	-226.853	0.3727767	0	0	0	0
cov1_5_6	13.4738	-223.356	0.3715963	0	-0.27590385	0	0
cov4_11	13.5897	-226.924	0.3711079	0	0	0	0
cov4_5	13.637	-226.947	0.3724279	0	0	0	0
cov7_11	13.7206	-226.989	0.3717474	0	0	0	0
cov8_11	13.7317	-226.995	0.3716287	0	0	0	0
cov7_8	13.7348	-226.996	0.3731343	0	0	0	0
cov5_11	13.737	-226.997	0.3712633	0	0	0	0
cov5_7	13.8947	-227.076	0.3729549	0	0	0	0
cov5_8	13.9129	-227.085	0.3728523	0	0	0	0
cov4_7	13.9912	-227.124	0.3732534	0	0	0	0
cov4_8	14.0086	-227.133	0.3731504	0	0	0	0
cov1_5_11	14.5841	-223.911	0.376213	0	-0.20424375	0	0
cov1_4_6	14.7485	-223.993	0.3710363	0	-0.21157733	0	0
cov1_3_5	15.0266	-224.132	0.3712428	0	-0.14908887	0	0
cov1_5_7	15.1213	-224.179	0.3747991	0	-0.17125388	0	0
cov1_4_5	15.1278	-224.182	0.3736722	0	-0.16662798	0	0
cov1_5_8	15.1588	-224.198	0.374701	0	-0.17097753	0	0
cov1_5_9	15.2885	-224.263	0.3733551	0	-0.15624113	0	0
cov1_5_10	15.2899	-224.264	0.3734392	0	-0.15642316	0	0
cov1_3_6	15.3209	-224.279	0.3640948	0	-0.15361349	0	0
cov1_2_5	15.3343	-224.286	0.3735985	0	-0.16986473	0	0.00223401
cov1_6_10	15.3593	-224.298	0.3681858	0	-0.1495185	0	0
cov1_6_9	15.3911	-224.314	0.3677414	0	-0.1485251	0	0
cov1_4_11	15.5963	-224.417	0.3754231	0	-0.15063351	0	0
cov1_2_4	15.7766	-224.507	0.3748135	0	-0.078423285	0	-0.059802496
cov1_3_4	15.8193	-224.528	0.3693587	0	-0.096627776	0	0
cov1_4_10	15.8422	-224.54	0.3719981	0	-0.092123936	0	0
cov1_4_9	15.8686	-224.553	0.3717567	0	-0.091821155	0	0
cov1_3_11	15.8887	-224.563	0.3692754	0	-0.093673953	0	0
cov2_4_9	16.3212	-224.779	0.3747829	0	0	0	-0.090528239
cov2_4_10	16.3418	-224.789	0.3751127	0	0	0	-0.090818826
cov1_4_7	16.3739	-224.806	0.3729983	0	-0.11228088	0	0
cov1_4_8	16.3854	-224.811	0.3729148	0	-0.11234886	0	0
cov1_3_10	16.4709	-224.854	0.3667678	0	-0.030974448	0	0
cov1_3_9	16.4786	-224.858	0.3664333	0	-0.030110402	0	0

cov1_3_8	16.5219	-224.88	0.360855	0	-0.038070426	0	0
cov1_6_11	16.5914	-224.914	0.3721102	0	-0.18328808	0	0
cov3_8_9	16.6011	-224.919	0.3617778	0	0	0	0
cov1_3_7	16.6062	-224.922	0.3611628	0	-0.038412251	0	0
cov2_3_4	16.6132	-224.925	0.3727641	0	0	0	-0.095729505
cov3_8_10	16.652	-224.945	0.3621835	0	0	0	0
cov3_7_9	16.6685	-224.953	0.3621103	0	0	0	0
cov3_7_10	16.719	-224.978	0.3625265	0	0	0	0
cov2_3_9	16.7938	-225.015	0.3670913	0	0	0	-0.019796722
cov2_3_10	16.8106	-225.024	0.367503	0	0	0	-0.020526474
cov1_10_11	16.9882	-225.113	0.3732532	0	-0.06775719	0	0
cov2_3_8	16.9956	-225.116	0.3612241	0	0	0	-0.028214733
cov1_9_11	17.0104	-225.124	0.3729129	0	-0.067183128	0	0
cov1_6_7	17.0238	-225.131	0.3702648	0	-0.15875039	0	0
cov3_5_9	17.0288	-225.133	0.3661685	0	0	0	0
cov2_4_11	17.0316	-225.134	0.3778096	0	0	0	-0.12508515
cov3_9_11	17.0395	-225.138	0.3667536	0	0	0	0
cov2_4_5	17.0406	-225.139	0.3764311	0	0	0	-0.11295834
cov3_5_10	17.054	-225.146	0.3665555	0	0	0	0
cov3_9_10	17.0598	-225.149	0.3666231	0	0	0	0
cov1_6_8	17.0634	-225.15	0.3701528	0	-0.15819691	0	0
cov3_4_9	17.0637	-225.15	0.3665878	0	0	0	0
cov3_6_9	17.0678	-225.152	0.366481	0	0	0	0
cov2_3_7	17.0863	-225.162	0.3615323	0	0	0	-0.028500945
cov3_10_11	17.0918	-225.164	0.3671635	0	0	0	0
cov3_4_10	17.1072	-225.172	0.3670103	0	0	0	0
cov3_6_10	17.1079	-225.173	0.366964	0	0	0	0
cov2_4_7	17.1144	-225.176	0.3768029	0	0	0	-0.11570072
cov2_4_8	17.1174	-225.177	0.3767252	0	0	0	-0.11589999
cov2_4_6	17.1177	-225.177	0.376696	0	0	0	-0.11612364
cov1_2_6	17.1621	-225.2	0.3693967	0	-0.15942254	0	0.003379535
cov1_2_3	17.223	-225.23	0.3661577	0	-0.053727762	0	0.010447088
cov3_5_8	17.3619	-225.3	0.3585002	0	0	0	0
cov3_5_7	17.4679	-225.353	0.358788	0	0	0	0
cov3_6_8	17.4834	-225.36	0.3602171	0	0	0	0
cov3_7_8	17.493	-225.365	0.3597373	0	0	0	0
cov2_3_11	17.4959	-225.367	0.3695517	0	0	0	-0.054173866
cov1_7_10	17.5086	-225.373	0.371597	0	-0.032902412	0	0
cov1_8_10	17.5409	-225.389	0.3715029	0	-0.032826571	0	0
cov1_7_9	17.5499	-225.394	0.371216	0	-0.032002869	0	0
cov3_6_7	17.5767	-225.407	0.3605164	0	0	0	0
cov1_8_9	17.5818	-225.409	0.3711225	0	-0.031928125	0	0
cov3_4_8	17.5835	-225.41	0.3592031	0	0	0	0
cov3_8_11	17.5903	-225.414	0.3592683	0	0	0	0
cov2_3_5	17.6435	-225.44	0.3693848	0	0	0	-0.054760935
cov1_2_10	17.6468	-225.442	0.3703304	0	-0.041373114	0	0.010664867
cov1_9_10	17.6671	-225.452	0.3705497	0	-0.031858732	0	0



cov2_5_9	17.6701	-225.454	0.372564	0	0	0	-0.047384594
cov2_6_9	17.6731	-225.455	0.3709479	0	0	0	-0.046320494
cov3_4_7	17.6865	-225.462	0.3594883	0	0	0	0
cov1_2_9	17.6886	-225.463	0.3699913	0	-0.039777868	0	0.009800397
cov3_7_11	17.6927	-225.465	0.3595489	0	0	0	0
cov2_6_10	17.6946	-225.466	0.3714695	0	0	0	-0.045981648
cov2_5_10	17.6961	-225.467	0.3729196	0	0	0	-0.046999165
cov2_3_6	17.7807	-225.509	0.367679	0	0	0	-0.047789621
cov2_9_11	17.8312	-225.534	0.3725635	0	0	0	-0.035446565
cov1_7_11	17.8361	-225.537	0.376394	0	-0.097274302	0	0
cov2_10_11	17.8421	-225.54	0.3729475	0	0	0	-0.035461012
cov2_7_10	17.868	-225.553	0.372314	0	0	0	-0.022514339
cov2_7_9	17.8808	-225.559	0.3718517	0	0	0	-0.021830406
cov1_8_11	17.8927	-225.565	0.3762389	0	-0.096457382	0	0
cov2_8_10	17.8982	-225.568	0.3722167	0	0	0	-0.022478629
cov2_8_9	17.9107	-225.574	0.3717547	0	0	0	-0.021795127
cov4_5_10	17.9329	-225.585	0.3705104	0	0	0	0
cov4_5_9	17.9446	-225.591	0.3700479	0	0	0	0
cov7_8_9	17.9938	-225.615	0.3710332	0	0	0	0
cov2_9_10	17.9957	-225.616	0.3711574	0	0	0	-0.021683022
cov7_8_10	18.0062	-225.622	0.3715454	0	0	0	0
cov4_7_9	18.1478	-225.692	0.3712206	0	0	0	0
cov4_6_9	18.1653	-225.701	0.3709504	0	0	0	0
cov4_8_9	18.1741	-225.706	0.3711216	0	0	0	0
cov4_7_10	18.1753	-225.706	0.3717399	0	0	0	0
cov4_6_10	18.1791	-225.708	0.3714439	0	0	0	0
cov7_9_10	18.1831	-225.71	0.3713527	0	0	0	0
cov4_8_10	18.2021	-225.72	0.3716414	0	0	0	0
cov1_2_11	18.2055	-225.721	0.3743458	0	-0.089541124	0	0.002163468
cov7_9_11	18.2121	-225.725	0.3712295	0	0	0	0
cov5_7_9	18.2122	-225.725	0.3710958	0	0	0	0
cov8_9_10	18.2122	-225.725	0.3712522	0	0	0	0
cov6_7_9	18.2131	-225.725	0.3711539	0	0	0	0
cov4_9_11	18.2167	-225.727	0.3699611	0	0	0	0
cov5_7_10	18.2191	-225.728	0.3715681	0	0	0	0
cov6_7_10	18.222	-225.73	0.3716907	0	0	0	0
cov7_10_11	18.2263	-225.732	0.3716519	0	0	0	0
cov4_10_11	18.2353	-225.736	0.3703934	0	0	0	0
cov5_8_9	18.2411	-225.739	0.3709966	0	0	0	0
cov8_9_11	18.2415	-225.739	0.3711127	0	0	0	0
cov4_9_10	18.2418	-225.74	0.3705498	0	0	0	0
cov6_8_9	18.2419	-225.74	0.3710542	0	0	0	0
cov5_8_10	18.2483	-225.743	0.3714693	0	0	0	0
cov6_8_10	18.251	-225.744	0.3715941	0	0	0	0
cov8_10_11	18.2553	-225.746	0.3715357	0	0	0	0
cov5_9_10	18.3215	-225.779	0.3703665	0	0	0	0
cov9_10_11	18.3231	-225.78	0.37034	0	0	0	0

cov6_9_10	18.3234	-225.78	0.3704322	0	0	0	0
cov5_6_9	18.3512	-225.794	0.3701325	0	0	0	0
cov5_9_11	18.3514	-225.794	0.3701665	0	0	0	0
cov6_9_11	18.352	-225.795	0.3701763	0	0	0	0
cov5_10_11	18.3605	-225.799	0.370608	0	0	0	0
cov5_6_10	18.3605	-225.799	0.3706117	0	0	0	0
cov6_10_11	18.3625	-225.8	0.3706531	0	0	0	0
cov3_6_11	18.4184	-225.828	0.3680007	0	0	0	0
cov3_4_6	18.4256	-225.831	0.3679546	0	0	0	0
cov3_5_6	18.5045	-225.871	0.3672516	0	0	0	0
cov3_4_5	18.525	-225.881	0.3662884	0	0	0	0
cov1_7_8	18.6085	-225.923	0.3722272	0	-0.051782246	0	0
cov3_5_11	18.6112	-225.924	0.3662315	0	0	0	0
cov3_4_11	18.7824	-226.01	0.3664316	0	0	0	0
cov1_2_7	18.854	-226.046	0.3721388	0	-0.058343585	0	0.007658618
cov2_5_7	18.8783	-226.058	0.3755949	0	0	0	-0.074894994
cov1_2_8	18.881	-226.059	0.3720494	0	-0.05817143	0	0.007591603
cov2_5_8	18.9016	-226.069	0.3754882	0	0	0	-0.074802282
cov2_5_6	18.9197	-226.078	0.3750395	0	0	0	-0.068118773
cov2_5_11	18.9606	-226.099	0.375092	0	0	0	-0.075595262
cov2_7_8	19.3612	-226.299	0.3736371	0	0	0	-0.041196644
cov2_7_11	19.4427	-226.34	0.3756442	0	0	0	-0.055270006
cov2_8_11	19.4741	-226.356	0.3754957	0	0	0	-0.05482428
cov2_6_7	19.5625	-226.4	0.3738269	0	0	0	-0.051445595
cov2_6_11	19.5677	-226.402	0.3742848	0	0	0	-0.055290774
cov2_6_8	19.5853	-226.411	0.3737251	0	0	0	-0.051340931
cov4_6_7	19.882	-226.56	0.3739553	0	0	0	0
cov4_6_8	19.8934	-226.565	0.3738746	0	0	0	0
cov4_6_11	19.9044	-226.571	0.3733025	0	0	0	0
cov4_5_6	19.907	-226.572	0.3734997	0	0	0	0
cov1_5_6_11	19.9364	-223.077	0.3740149	0	-0.30187491	0	0
cov1_3_5_6	20.1364	-223.177	0.3689642	0	-0.25691553	0	0
cov5_6_7	20.1515	-226.694	0.374223	0	0	0	0
cov5_6_8	20.1706	-226.704	0.3741358	0	0	0	0
cov6_7_8	20.1776	-226.707	0.3732145	0	0	0	0
cov5_6_11	20.2155	-226.726	0.3732402	0	0	0	0
cov1_5_6_7	20.2291	-223.223	0.3728338	0	-0.28104145	0	0
cov1_5_6_8	20.2833	-223.25	0.3727114	0	-0.28016117	0	0
cov1_5_6_9	20.3003	-223.259	0.3708832	0	-0.25726719	0	0
cov1_5_6_10	20.3065	-223.262	0.3710563	0	-0.25750032	0	0
cov1_4_5_6	20.3537	-223.285	0.3717683	0	-0.27297088	0	0
cov6_7_11	20.394	-226.816	0.3736935	0	0	0	0
cov6_8_11	20.4151	-226.826	0.3735584	0	0	0	0
cov4_5_11	20.4663	-226.852	0.3713399	0	0	0	0
cov7_8_11	20.4878	-226.862	0.3716367	0	0	0	0
cov1_2_5_6	20.4934	-223.355	0.3716425	0	-0.27459322	0	-0.001706696
cov4_7_11	20.6065	-226.922	0.3712808	0	0	0	0

cov4_8_11	20.6097	-226.923	0.3711498	0	0	0
cov4_5_7	20.6424	-226.94	0.3727146	0	0	0
cov4_5_8	20.6512	-226.944	0.3726115	0	0	0
cov5_7_8	20.6558	-226.946	0.3728284	0	0	0
cov5_7_11	20.7377	-226.987	0.371676	0	0	0
cov5_8_11	20.748	-226.993	0.3715496	0	0	0
cov4_7_8	20.7549	-226.996	0.3731272	0	0	0
cov1_4_6_10	20.849	-223.533	0.3699818	0	-0.19671822	0
cov1_4_6_9	20.8743	-223.546	0.3696564	0	-0.19611338	0
cov1_3_5_11	21.0084	-223.613	0.3732898	0	-0.18470284	0
cov1_5_7_11	21.0418	-223.629	0.3788193	0	-0.21933591	0
cov1_3_4_6	21.0849	-223.651	0.3672891	0	-0.19741682	0
cov1_2_4_6	21.0872	-223.652	0.3731811	0	-0.17773852	-0.062550344
cov1_5_8_11	21.1097	-223.663	0.3786606	0	-0.21835712	0
cov1_4_6_11	21.1561	-223.687	0.3736459	0	-0.23952783	0
cov1_3_6_9	21.1681	-223.693	0.3639538	0	-0.14731986	0
cov1_3_6_10	21.1697	-223.693	0.3643669	0	-0.14821443	0
cov1_3_6_11	21.237	-223.727	0.366968	0	-0.19069866	0
cov1_4_5_11	21.3798	-223.798	0.376249	0	-0.20319373	0
cov1_5_9_11	21.5702	-223.894	0.3759232	0	-0.19390429	0
cov1_5_10_11	21.5743	-223.896	0.3760021	0	-0.19446873	0
cov1_2_5_11	21.6025	-223.91	0.3763145	0	-0.20208721	-0.002819522
cov1_3_6_8	21.632	-223.925	0.3585886	0	-0.14636042	0
cov1_3_4_11	21.6649	-223.941	0.3717297	0	-0.1388324	0
cov1_4_6_7	21.7243	-223.971	0.3714449	0	-0.21194367	0
cov1_3_6_7	21.7434	-223.98	0.3590252	0	-0.14610997	0
cov1_4_6_8	21.7444	-223.981	0.3713431	0	-0.21173853	0
cov1_2_4_11	21.8218	-224.019	0.3781969	0	-0.11602368	-0.068014223
cov1_3_4_5	21.9031	-224.06	0.3714712	0	-0.14980317	0
cov1_5_7_8	21.9091	-224.063	0.3746791	0	-0.17084809	0
cov1_6_10_11	21.9136	-224.065	0.3705456	0	-0.17371353	0
cov1_6_9_11	21.9308	-224.074	0.3701384	0	-0.17308282	0
cov1_3_5_9	21.9978	-224.107	0.3709285	0	-0.13697861	0
cov1_3_5_10	22.0012	-224.109	0.3710251	0	-0.1374665	0
cov1_4_5_7	22.0053	-224.111	0.374592	0	-0.16955617	0
cov1_4_5_8	22.036	-224.126	0.374493	0	-0.16923698	0
cov1_2_3_5	22.0423	-224.13	0.3710893	0	-0.1525936	0.00443426
cov1_2_4_5	22.0437	-224.13	0.3745298	0	-0.14342161	-0.027292141
cov1_3_5_8	22.0457	-224.131	0.3709095	0	-0.14717824	0
cov1_3_5_7	22.0458	-224.131	0.3715664	0	-0.15094851	0
cov1_4_5_10	22.0783	-224.148	0.373367	0	-0.15209744	0
cov1_4_5_9	22.0797	-224.148	0.3732739	0	-0.15227319	0
cov1_5_7_9	22.0868	-224.152	0.3745023	0	-0.15858451	0
cov1_5_7_10	22.0878	-224.152	0.3745907	0	-0.15870401	0
cov1_4_10_11	22.1208	-224.169	0.3746435	0	-0.12992138	0
cov1_5_8_9	22.1247	-224.171	0.3744045	0	-0.15835525	0
cov1_5_8_10	22.1257	-224.171	0.3744928	0	-0.15848133	0

cov1_4_9_11	22.136	-224.176	0.3744236	0	-0.12973205	0	0
cov1_2_5_7	22.1398	-224.178	0.3747156	0	-0.17350997	0	0.002741968
cov1_6_7_10	22.151	-224.184	0.3692839	0	-0.15195006	0	0
cov1_2_5_8	22.1773	-224.197	0.3746195	0	-0.17318398	0	0.002681745
cov1_6_7_9	22.1872	-224.202	0.3688266	0	-0.15091269	0	0
cov1_6_8_10	22.2018	-224.209	0.3691631	0	-0.15134072	0	0
cov1_6_8_9	22.2375	-224.227	0.3687058	0	-0.15030925	0	0
cov1_3_9_11	22.2879	-224.252	0.3690899	0	-0.077839261	0	0
cov1_3_10_11	22.2997	-224.258	0.3693732	0	-0.078457278	0	0
cov1_2_5_9	22.3064	-224.262	0.3732523	0	-0.15864913	0	0.003127199
cov1_2_5_10	22.3076	-224.262	0.3733306	0	-0.15893466	0	0.003309937
cov1_5_9_10	22.3083	-224.263	0.3733772	0	-0.15608466	0	0
cov1_2_3_6	22.3312	-224.274	0.3639318	0	-0.15889	0	0.006554988
cov1_6_9_10	22.3642	-224.291	0.3680083	0	-0.1490436	0	0
cov1_2_6_10	22.3685	-224.293	0.3680016	0	-0.15505955	0	0.006899714
cov1_2_6_9	22.4033	-224.31	0.3675857	0	-0.1532553	0	0.005886075
cov1_3_4_10	22.4103	-224.314	0.3692484	0	-0.080329856	0	0
cov1_3_4_9	22.4226	-224.32	0.3689897	0	-0.079713658	0	0
cov1_4_7_11	22.4236	-224.32	0.3767745	0	-0.15567582	0	0
cov1_2_4_10	22.4435	-224.33	0.3739937	0	-0.067295798	0	-0.050174751
cov1_2_4_9	22.4549	-224.336	0.3738145	0	-0.066539165	0	-0.050920403
cov1_4_8_11	22.4622	-224.34	0.3766333	0	-0.15511794	0	0
cov1_2_3_4	22.4804	-224.349	0.3717999	0	-0.073308948	0	-0.047304106
cov1_3_4_8	22.4915	-224.354	0.365141	0	-0.085688698	0	0
cov1_3_8_11	22.5265	-224.372	0.3647577	0	-0.083000273	0	0
cov1_3_4_7	22.5519	-224.384	0.3655048	0	-0.086612208	0	0
cov1_3_7_11	22.5919	-224.404	0.3651345	0	-0.083835528	0	0
cov1_2_4_7	22.7883	-224.503	0.374973	0	-0.078615111	0	-0.059221614
cov1_2_4_8	22.7942	-224.506	0.374902	0	-0.078527882	0	-0.059488007
cov1_4_7_10	22.8076	-224.512	0.3724835	0	-0.091121959	0	0
cov1_4_8_10	22.8253	-224.521	0.3723999	0	-0.091297455	0	0
cov1_4_7_9	22.8359	-224.526	0.3722282	0	-0.090829577	0	0
cov1_4_8_9	22.8531	-224.535	0.3721455	0	-0.09100569	0	0
cov1_4_9_10	22.8616	-224.539	0.3719575	0	-0.09190814	0	0
cov1_2_3_11	22.9049	-224.561	0.3691347	0	-0.097022406	0	0.004166303
cov2_3_4_9	22.9486	-224.583	0.3715677	0	0	0	-0.074352622
cov2_3_4_10	22.9749	-224.596	0.3718977	0	0	0	-0.07487119
cov1_3_8_9	23.1087	-224.663	0.3621633	0	-0.02814543	0	0
cov1_3_8_10	23.1163	-224.667	0.3624926	0	-0.028992469	0	0
cov1_4_7_8	23.1521	-224.685	0.3728847	0	-0.11209288	0	0
cov1_3_7_9	23.1721	-224.695	0.3625059	0	-0.028263015	0	0
cov2_3_4_8	23.1786	-224.698	0.3673013	0	0	0	-0.081366958
cov1_3_7_10	23.1787	-224.698	0.3628463	0	-0.029118692	0	0
cov2_4_9_11	23.2017	-224.709	0.3761155	0	0	0	-0.10122558
cov1_6_7_11	23.2237	-224.72	0.374153	0	-0.19351473	0	0
cov2_4_10_11	23.2357	-224.726	0.3764042	0	0	0	-0.10116662
cov2_4_5_9	23.2413	-224.729	0.3744138	0	0	0	-0.086701635

cov2_3_4_7	23.246	-224.731	0.3676993	0	0	0	-0.082417899
cov2_4_5_10	23.2473	-224.732	0.3747051	0	0	0	-0.086471023
cov2_4_6_9	23.2513	-224.734	0.3746442	0	0	0	-0.099582908
cov2_4_6_10	23.2844	-224.751	0.3750257	0	0	0	-0.099314233
cov1_6_8_11	23.2958	-224.756	0.3739639	0	-0.19203804	0	0
cov2_4_7_9	23.3138	-224.765	0.3750831	0	0	0	-0.089147423
cov2_4_8_9	23.3255	-224.771	0.375012	0	0	0	-0.089487931
cov2_4_7_10	23.3336	-224.775	0.3754214	0	0	0	-0.089394302
cov2_4_9_10	23.3367	-224.777	0.3748599	0	0	0	-0.090265339
cov2_4_8_10	23.3455	-224.781	0.375351	0	0	0	-0.089739872
cov2_3_9_11	23.3843	-224.801	0.3691418	0	0	0	-0.04044789
cov1_3_7_8	23.3897	-224.803	0.3611126	0	-0.03849966	0	0
cov2_3_8_9	23.3909	-224.804	0.3625659	0	0	0	-0.01817314
cov2_3_4_11	23.4125	-224.815	0.3739772	0	0	0	-0.10753063
cov2_3_8_10	23.4196	-224.818	0.3629453	0	0	0	-0.018919937
cov2_3_10_11	23.4311	-224.824	0.3694975	0	0	0	-0.040637778
cov1_2_3_10	23.454	-224.835	0.3663731	0	-0.041730285	0	0.012693973
cov2_3_7_9	23.4559	-224.836	0.3629069	0	0	0	-0.018268124
cov1_2_3_9	23.4653	-224.841	0.3660581	0	-0.040345838	0	0.012049597
cov2_3_6_9	23.4662	-224.842	0.3671831	0	0	0	-0.044295403
cov3_7_8_9	23.4749	-224.846	0.3620343	0	0	0	0
cov1_3_9_10	23.4819	-224.849	0.3666297	0	-0.030376754	0	0
cov2_3_7_10	23.4841	-224.851	0.3632971	0	0	0	-0.01901781
cov2_3_6_10	23.5129	-224.865	0.3676522	0	0	0	-0.04407528
cov1_2_3_8	23.5145	-224.866	0.3605265	0	-0.047408201	0	0.010916076
cov3_7_8_10	23.525	-224.871	0.3624458	0	0	0	0
cov3_5_8_9	23.5378	-224.877	0.361056	0	0	0	0
cov1_7_10_11	23.5521	-224.885	0.3755399	0	-0.077553947	0	0
cov2_3_4_5	23.5565	-224.887	0.3724617	0	0	0	-0.092726243
cov3_5_8_10	23.5704	-224.894	0.3613797	0	0	0	0
cov1_7_9_11	23.5759	-224.896	0.3751929	0	-0.076940165	0	0
cov1_2_3_7	23.5991	-224.908	0.3608359	0	-0.047708155	0	0.010866518
cov1_6_7_8	23.603	-224.91	0.3700197	0	-0.16461251	0	0
cov3_8_9_11	23.6073	-224.912	0.3620177	0	0	0	0
cov3_5_7_9	23.6091	-224.913	0.3614045	0	0	0	0
cov1_2_6_11	23.6114	-224.914	0.3721346	0	-0.18264772	0	-0.000841074
cov1_8_10_11	23.6123	-224.915	0.3753842	0	-0.076790478	0	0
cov3_6_8_9	23.6195	-224.918	0.3617296	0	0	0	0
cov3_4_8_9	23.6206	-224.919	0.3618294	0	0	0	0
cov3_8_9_10	23.6207	-224.919	0.3618303	0	0	0	0
cov2_3_4_6	23.6242	-224.921	0.3727154	0	0	0	-0.099000735
cov1_8_9_11	23.636	-224.927	0.375037	0	-0.076176939	0	0
cov3_5_7_10	23.6416	-224.929	0.3617376	0	0	0	0
cov3_8_10_11	23.6651	-224.941	0.3623595	0	0	0	0
cov3_4_8_10	23.6722	-224.945	0.3621911	0	0	0	0
cov3_6_8_10	23.6722	-224.945	0.3621783	0	0	0	0
cov3_7_9_11	23.6738	-224.945	0.3623586	0	0	0	0

cov3_6_7_9	23.6873	-224.952	0.3620689	0	0	0	0
cov3_4_7_9	23.6878	-224.952	0.3621686	0	0	0	0
cov3_7_9_10	23.6879	-224.952	0.3621733	0	0	0	0
cov2_3_5_9	23.7135	-224.965	0.3683351	0	0	0	-0.034103127
cov3_7_10_11	23.7316	-224.974	0.3627102	0	0	0	0
cov3_4_7_10	23.7392	-224.978	0.3625408	0	0	0	0
cov3_6_7_10	23.7392	-224.978	0.3625261	0	0	0	0
cov2_3_5_10	23.7443	-224.981	0.3686476	0	0	0	-0.033930425
cov2_3_8_11	23.7713	-224.994	0.363204	0	0	0	-0.044617558
cov2_3_9_10	23.8043	-225.011	0.3672435	0	0	0	-0.019857089
cov3_4_5_9	23.845	-225.031	0.3663312	0	0	0	0
cov2_3_7_11	23.8569	-225.037	0.3635435	0	0	0	-0.045091014
cov3_4_5_10	23.8573	-225.037	0.3667391	0	0	0	0
cov2_4_5_11	23.8631	-225.04	0.3781085	0	0	0	-0.12592227
cov3_5_9_11	23.8663	-225.042	0.3664562	0	0	0	0
cov2_3_7_8	23.8734	-225.045	0.3614816	0	0	0	-0.02853453
cov2_3_6_8	23.8735	-225.045	0.361077	0	0	0	-0.044566374
cov2_4_7_8	23.9037	-225.06	0.3766826	0	0	0	-0.11531561
cov3_5_10_11	23.9042	-225.061	0.3668592	0	0	0	0
cov3_5_6_9	23.9541	-225.086	0.3650215	0	0	0	0
cov2_3_6_7	23.9722	-225.095	0.3614074	0	0	0	-0.044399614
cov2_3_5_8	23.9774	-225.097	0.3624257	0	0	0	-0.037359928
cov3_5_6_10	23.9857	-225.101	0.3654991	0	0	0	0
cov1_9_10_11	23.9987	-225.108	0.3731131	0	-0.067259187	0	0
cov1_2_10_11	24.0007	-225.109	0.3730444	0	-0.072320461	0	0.005784636
cov1_2_9_11	24.0251	-225.121	0.3727347	0	-0.071056087	0	0.004899126
cov2_4_5_6	24.0278	-225.122	0.3763823	0	0	0	-0.11980068
cov2_4_6_11	24.0348	-225.126	0.3780003	0	0	0	-0.1215467
cov2_4_7_11	24.035	-225.126	0.3781841	0	0	0	-0.12541656
cov3_5_9_10	24.0373	-225.127	0.3663155	0	0	0	0
cov3_6_9_11	24.0378	-225.127	0.3671315	0	0	0	0
cov1_2_6_7	24.0406	-225.129	0.3701778	0	-0.16184525	0	0.003829642
cov2_4_8_11	24.0443	-225.131	0.3780609	0	0	0	-0.12531013
cov3_9_10_11	24.0536	-225.135	0.3668616	0	0	0	0
cov3_4_9_11	24.0576	-225.137	0.3667187	0	0	0	0
cov2_4_5_8	24.0601	-225.139	0.3763801	0	0	0	-0.11303862
cov2_4_5_7	24.0605	-225.139	0.3764634	0	0	0	-0.11290561
cov2_3_5_7	24.0619	-225.139	0.3628338	0	0	0	-0.038374046
cov3_4_9_10	24.0764	-225.147	0.3667126	0	0	0	0
cov3_6_9_10	24.08	-225.148	0.3666185	0	0	0	0
cov1_2_6_8	24.0803	-225.149	0.3700673	0	-0.16123463	0	0.003760515
cov3_4_6_9	24.0812	-225.149	0.3667254	0	0	0	0
cov3_6_10_11	24.0843	-225.151	0.3675695	0	0	0	0
cov3_4_10_11	24.1096	-225.163	0.3671265	0	0	0	0
cov3_4_6_10	24.1208	-225.169	0.3672132	0	0	0	0
cov2_4_6_7	24.1346	-225.176	0.3768039	0	0	0	-0.11585686
cov2_4_6_8	24.1376	-225.177	0.3767261	0	0	0	-0.11604743

cov3_4_5_8	24.1443	-225.181	0.3583985	0	0	0	0
cov3_5_7_8	24.2533	-225.235	0.3587259	0	0	0	0
cov3_4_5_7	24.2553	-225.236	0.3586789	0	0	0	0
cov1_7_8_10	24.299	-225.258	0.3714964	0	-0.033122666	0	0
cov3_5_8_11	24.3108	-225.264	0.3584976	0	0	0	0
cov1_7_8_9	24.3401	-225.279	0.371121	0	-0.03223913	0	0
cov3_5_6_8	24.3711	-225.294	0.3578078	0	0	0	0
cov3_6_7_8	24.3803	-225.299	0.3604232	0	0	0	0
cov3_5_7_11	24.4198	-225.318	0.358787	0	0	0	0
cov2_3_5_11	24.4531	-225.335	0.3702106	0	0	0	-0.062224608
cov3_4_7_8	24.4739	-225.345	0.3594249	0	0	0	0
cov3_7_8_11	24.4822	-225.35	0.3594933	0	0	0	0
cov3_5_6_7	24.4824	-225.35	0.3582935	0	0	0	0
cov3_6_8_11	24.4851	-225.351	0.3607635	0	0	0	0
cov3_4_6_8	24.4913	-225.354	0.3606944	0	0	0	0
cov1_2_7_10	24.4996	-225.358	0.3712596	0	-0.042467242	0	0.011276249
cov2_3_6_11	24.5133	-225.365	0.3694889	0	0	0	-0.055944504
cov1_7_9_10	24.5231	-225.37	0.3714907	0	-0.032434585	0	0
cov1_2_8_10	24.5322	-225.375	0.3711678	0	-0.042331209	0	0.011204559
cov2_5_7_9	24.544	-225.381	0.373511	0	0	0	-0.047635197
cov1_2_7_9	24.5453	-225.381	0.3709071	0	-0.04083143	0	0.010381262
cov2_6_7_9	24.5459	-225.381	0.3719005	0	0	0	-0.046611106
cov1_8_9_10	24.5554	-225.386	0.3713966	0	-0.032358147	0	0
cov2_6_7_10	24.5655	-225.391	0.3724296	0	0	0	-0.046264607
cov2_5_7_10	24.5688	-225.393	0.3738709	0	0	0	-0.047213914
cov2_5_8_9	24.5737	-225.395	0.373413	0	0	0	-0.047609864
cov3_6_7_11	24.5754	-225.396	0.3611035	0	0	0	0
cov1_2_8_9	24.5775	-225.397	0.3708155	0	-0.040697222	0	0.010311642
cov2_6_8_9	24.5783	-225.398	0.37179	0	0	0	-0.046491755
cov3_4_6_7	24.5815	-225.399	0.3610452	0	0	0	0
cov1_7_8_11	24.5839	-225.4	0.3763045	0	-0.097591307	0	0
cov2_5_6_9	24.5979	-225.407	0.3719828	0	0	0	-0.053533867
cov2_6_8_10	24.598	-225.408	0.3723193	0	0	0	-0.046143896
cov2_5_8_10	24.5987	-225.408	0.3737729	0	0	0	-0.047192444
cov3_4_8_11	24.5987	-225.408	0.3591663	0	0	0	0
cov2_7_9_11	24.6008	-225.409	0.3742721	0	0	0	-0.039580302
cov2_7_10_11	24.6155	-225.416	0.3746505	0	0	0	-0.039576017
cov2_5_9_11	24.6281	-225.423	0.3732858	0	0	0	-0.051708997
cov2_5_6_10	24.6314	-225.424	0.3724067	0	0	0	-0.052837796
cov2_8_9_11	24.6424	-225.43	0.3741244	0	0	0	-0.039187873
cov2_6_9_11	24.6466	-225.432	0.3718245	0	0	0	-0.049684772
cov2_8_10_11	24.6567	-225.437	0.3745035	0	0	0	-0.03918254
cov2_3_5_6	24.6604	-225.439	0.3692658	0	0	0	-0.056190989
cov2_5_10_11	24.6611	-225.439	0.3736147	0	0	0	-0.051106199
cov1_2_9_10	24.662	-225.44	0.3702356	0	-0.040788076	0	0.010488144
cov2_7_8_10	24.6636	-225.44	0.3722163	0	0	0	-0.022655206
cov2_6_9_10	24.6715	-225.444	0.3711402	0	0	0	-0.046101042

cov2_6_10_11	24.675	-225.446	0.3722807	0	0	0	-0.049099506
cov2_7_8_9	24.6764	-225.447	0.3717618	0	0	0	-0.021977445
cov2_5_9_10	24.6809	-225.449	0.3726577	0	0	0	-0.046868722
cov3_4_7_11	24.7013	-225.459	0.3594494	0	0	0	0
cov2_9_10_11	24.83	-225.524	0.3727159	0	0	0	-0.035207057
cov1_2_7_11	24.8555	-225.536	0.3763308	0	-0.098794585	0	0.001898432
cov2_7_9_10	24.8675	-225.542	0.3720908	0	0	0	-0.02192505
cov4_5_7_10	24.8887	-225.553	0.3711395	0	0	0	0
cov2_8_9_10	24.8977	-225.557	0.3719935	0	0	0	-0.021889308
cov4_5_7_9	24.9006	-225.559	0.3706764	0	0	0	0
cov4_5_8_10	24.9079	-225.562	0.3710389	0	0	0	0
cov1_2_8_11	24.912	-225.565	0.3761752	0	-0.0979863	0	0.001909241
cov4_5_8_9	24.9198	-225.568	0.3705759	0	0	0	0
cov4_5_9_10	24.9229	-225.57	0.3702803	0	0	0	0
cov4_7_8_9	24.9508	-225.584	0.3711213	0	0	0	0
cov4_5_10_11	24.9524	-225.585	0.370562	0	0	0	0
cov4_5_6_10	24.9524	-225.585	0.3704473	0	0	0	0
cov4_5_9_11	24.9635	-225.59	0.3701135	0	0	0	0
cov4_5_6_9	24.9641	-225.591	0.3699774	0	0	0	0
cov4_7_8_10	24.9779	-225.597	0.3716364	0	0	0	0
cov7_8_9_10	24.9837	-225.6	0.3712539	0	0	0	0
cov5_7_8_9	25.0118	-225.614	0.370994	0	0	0	0
cov7_8_9_11	25.0123	-225.615	0.3711326	0	0	0	0
cov6_7_8_9	25.0139	-225.615	0.3710406	0	0	0	0
cov5_7_8_10	25.0183	-225.618	0.3714624	0	0	0	0
cov6_7_8_10	25.0242	-225.621	0.3715805	0	0	0	0
cov7_8_10_11	25.0264	-225.622	0.3715501	0	0	0	0
cov4_6_7_9	25.0868	-225.652	0.371665	0	0	0	0
cov4_6_7_10	25.0988	-225.658	0.3721689	0	0	0	0
cov4_6_8_9	25.11	-225.663	0.3715806	0	0	0	0
cov4_6_8_10	25.1221	-225.67	0.3720846	0	0	0	0
cov4_7_9_10	25.1424	-225.68	0.3714236	0	0	0	0
cov4_7_9_11	25.1512	-225.684	0.3708712	0	0	0	0
cov4_6_9_10	25.1624	-225.69	0.3711351	0	0	0	0
cov4_8_9_10	25.169	-225.693	0.3713212	0	0	0	0
cov4_7_10_11	25.1709	-225.694	0.3713027	0	0	0	0
cov4_8_9_11	25.1742	-225.696	0.3707406	0	0	0	0
cov4_6_9_11	25.1809	-225.699	0.3707317	0	0	0	0
cov4_6_10_11	25.1927	-225.705	0.3711765	0	0	0	0
cov4_8_10_11	25.1937	-225.705	0.3711709	0	0	0	0
cov5_7_9_10	25.1999	-225.708	0.3713101	0	0	0	0
cov6_7_9_10	25.2022	-225.71	0.3713842	0	0	0	0
cov7_9_10_11	25.2023	-225.71	0.3714259	0	0	0	0
cov4_9_10_11	25.2116	-225.714	0.3701421	0	0	0	0
cov5_7_9_11	25.224	-225.72	0.371328	0	0	0	0
cov6_7_9_11	25.2265	-225.722	0.3715075	0	0	0	0
cov5_8_9_10	25.2291	-225.723	0.3712105	0	0	0	0



cov6_8_9_10	25.2312	-225.724	0.3712807	0	0	0	0
cov8_9_10_11	25.2318	-225.724	0.3713068	0	0	0	0
cov5_6_7_9	25.2322	-225.725	0.3710633	0	0	0	0
cov5_7_10_11	25.2328	-225.725	0.3717791	0	0	0	0
cov6_7_10_11	25.2377	-225.727	0.3719826	0	0	0	0
cov5_6_7_10	25.2392	-225.728	0.371549	0	0	0	0
cov5_8_9_11	25.2547	-225.736	0.3712016	0	0	0	0
cov6_8_9_11	25.2568	-225.737	0.3713685	0	0	0	0
cov5_6_8_9	25.2612	-225.739	0.3709704	0	0	0	0
cov5_8_10_11	25.2637	-225.74	0.3716518	0	0	0	0
cov6_8_10_11	25.2679	-225.742	0.3718438	0	0	0	0
cov5_6_8_10	25.2685	-225.743	0.3714558	0	0	0	0
cov5_6_9_10	25.3411	-225.779	0.370299	0	0	0	0
cov5_9_10_11	25.3417	-225.779	0.3703687	0	0	0	0
cov6_9_10_11	25.3432	-225.78	0.3703669	0	0	0	0
cov5_6_9_11	25.3714	-225.794	0.3701206	0	0	0	0
cov5_6_10_11	25.3805	-225.799	0.3705665	0	0	0	0
cov3_4_6_11	25.388	-225.802	0.3685142	0	0	0	0
cov3_4_5_6	25.3974	-225.807	0.3674863	0	0	0	0
cov3_5_6_11	25.4347	-225.826	0.3678296	0	0	0	0
cov3_4_5_11	25.5225	-225.87	0.3664014	0	0	0	0
cov1_2_7_8	25.6147	-225.916	0.3720167	0	-0.058497241	0	0.007810077
cov2_5_7_8	25.6549	-225.936	0.3754634	0	0	0	-0.074604658
cov2_5_6_7	25.8491	-226.033	0.3757848	0	0	0	-0.06859975
cov2_5_6_8	25.8722	-226.045	0.3756886	0	0	0	-0.068491021
cov2_5_7_11	25.8784	-226.048	0.3761576	0	0	0	-0.078015146
cov2_5_8_11	25.9048	-226.061	0.3760122	0	0	0	-0.077680171
cov2_5_6_11	25.9198	-226.068	0.3755669	0	0	0	-0.069904058
cov2_7_8_11	26.2042	-226.211	0.3755496	0	0	0	-0.055386272
cov2_6_7_8	26.3095	-226.263	0.3737222	0	0	0	-0.053024192
cov1_3_5_6_11	26.3393	-222.768	0.3710574	0	-0.28254722	0	0
cov1_5_6_7_11	26.3704	-222.784	0.3767026	0	-0.31799342	0	0
cov1_5_6_8_11	26.4579	-222.827	0.3765072	0	-0.31617937	0	0
cov2_6_7_11	26.4596	-226.338	0.3755411	0	0	0	-0.057152656
cov2_6_8_11	26.4905	-226.354	0.3753842	0	0	0	-0.056834992
cov4_6_7_8	26.7129	-226.465	0.3738277	0	0	0	0
cov1_5_6_9_11	26.7953	-222.996	0.3732899	0	-0.28411439	0	0
cov1_4_5_6_11	26.8008	-222.999	0.3742191	0	-0.29915645	0	0
cov1_5_6_10_11	26.8062	-223.002	0.3734507	0	-0.28453169	0	0
cov1_5_6_7_8	26.84	-223.018	0.3725892	0	-0.28615343	0	0
cov4_6_7_11	26.9008	-226.559	0.3738009	0	0	0	0
cov4_5_6_7	26.9009	-226.559	0.3738952	0	0	0	0
cov4_6_8_11	26.9113	-226.564	0.3736778	0	0	0	0
cov4_5_6_8	26.9118	-226.564	0.373806	0	0	0	0
cov4_5_6_11	26.9222	-226.57	0.3732735	0	0	0	0
cov1_2_5_6_11	26.9486	-223.073	0.3742013	0	-0.29760524	0	-0.005902721
cov1_3_5_6_9	26.9556	-223.076	0.3682423	0	-0.23774656	0	0

cov1_3_5_6_10	26.9664	-223.082	0.3684374	0	-0.23830996	0	0
cov5_6_7_8	26.9794	-226.598	0.3740568	0	0	0	0
cov1_5_6_7_9	27.035	-223.116	0.3721778	0	-0.26163013	0	0
cov1_5_6_7_10	27.0404	-223.119	0.3723551	0	-0.2618103	0	0
cov1_3_4_5_6	27.0728	-223.135	0.3692776	0	-0.25599192	0	0
cov1_5_6_8_9	27.0914	-223.144	0.3720541	0	-0.26083333	0	0
cov1_5_6_8_10	27.0968	-223.147	0.3722314	0	-0.26101917	0	0
cov1_3_4_6_11	27.1474	-223.172	0.3696988	0	-0.22950634	0	0
cov1_4_5_6_9	27.1487	-223.173	0.3709941	0	-0.25248191	0	0
cov1_4_5_6_10	27.1504	-223.174	0.3711744	0	-0.2524108	0	0
cov1_3_5_6_7	27.1526	-223.175	0.3695851	0	-0.26061019	0	0
cov1_3_5_6_8	27.156	-223.176	0.3687159	0	-0.25547604	0	0
cov1_2_3_5_6	27.1565	-223.177	0.3689463	0	-0.25734912	0	0.000586374
cov5_6_7_11	27.1707	-226.694	0.3740986	0	0	0	0
cov1_4_5_6_7	27.1741	-223.185	0.3728068	0	-0.27826889	0	0
cov5_6_8_11	27.1891	-226.703	0.3739733	0	0	0	0
cov6_7_8_11	27.1936	-226.705	0.3735001	0	0	0	0
cov1_4_5_6_8	27.2213	-223.209	0.3726842	0	-0.27731277	0	0
cov1_2_5_6_7	27.249	-223.223	0.3728651	0	-0.28012118	0	-0.001194781
cov1_2_4_5_6	27.2625	-223.23	0.3726614	0	-0.24923212	0	-0.028185622
cov1_3_6_9_11	27.2756	-223.236	0.3665866	0	-0.18168379	0	0
cov1_3_6_10_11	27.2971	-223.247	0.3669431	0	-0.18221885	0	0
cov1_2_5_6_8	27.3031	-223.25	0.3727444	0	-0.27919661	0	-0.001252557
cov1_5_6_9_10	27.3189	-223.258	0.3709255	0	-0.25699659	0	0
cov1_2_5_6_9	27.3205	-223.259	0.370886	0	-0.25719447	0	-9.91E-05
cov1_2_5_6_10	27.3267	-223.262	0.3710485	0	-0.25769545	0	0.000269829
cov1_2_4_6_11	27.3404	-223.269	0.3764144	0	-0.20534164	0	-0.069695762
cov1_4_6_10_11	27.3454	-223.271	0.3724275	0	-0.22331068	0	0
cov1_3_4_6_10	27.3553	-223.276	0.3669843	0	-0.18570939	0	0
cov1_4_6_9_11	27.359	-223.278	0.3721341	0	-0.22293066	0	0
cov1_3_4_6_9	27.3622	-223.28	0.3666349	0	-0.1848494	0	0
cov4_7_8_11	27.3793	-226.798	0.3711802	0	0	0	0
cov4_5_7_8	27.4049	-226.811	0.3725894	0	0	0	0
cov1_2_4_6_10	27.4585	-223.328	0.3719372	0	-0.17198682	0	-0.049611705
cov1_2_4_6_9	27.4664	-223.332	0.3716789	0	-0.1709101	0	-0.050515397
cov4_5_7_11	27.4852	-226.851	0.3714426	0	0	0	0
cov4_5_8_11	27.4864	-226.852	0.3713152	0	0	0	0
cov5_7_8_11	27.5058	-226.861	0.3715764	0	0	0	0
cov1_2_3_4_6	27.7218	-223.459	0.3697737	0	-0.17409043	0	-0.048812462
cov1_3_4_6_8	27.7491	-223.473	0.3629792	0	-0.18647825	0	0
cov1_4_6_7_10	27.7686	-223.483	0.3706225	0	-0.19673762	0	0
cov1_4_6_7_9	27.7965	-223.497	0.3702837	0	-0.1961168	0	0
cov1_4_6_8_10	27.8004	-223.499	0.3705169	0	-0.1965483	0	0
cov1_5_7_8_11	27.8166	-223.507	0.3787219	0	-0.21919849	0	0
cov1_4_6_8_9	27.8279	-223.512	0.3701792	0	-0.19593342	0	0
cov1_3_4_6_7	27.829	-223.513	0.3634847	0	-0.1871861	0	0
cov1_3_6_8_11	27.8569	-223.527	0.3623314	0	-0.18020643	0	0

cov1_4_6_9_10	27.8635	-223.53	0.3698693	0	-0.1963139	0	0
cov1_3_6_8_9	27.8886	-223.543	0.3602511	0	-0.14335862	0	0
cov1_3_4_5_11	27.8943	-223.546	0.3734958	0	-0.18523175	0	0
cov1_3_6_8_10	27.9056	-223.551	0.3606843	0	-0.14424331	0	0
cov1_3_6_7_11	27.9432	-223.57	0.3628451	0	-0.18073744	0	0
cov1_4_5_7_11	27.9561	-223.576	0.3785683	0	-0.21720561	0	0
cov1_3_6_7_9	27.9637	-223.58	0.3607379	0	-0.14335106	0	0
cov1_4_6_7_11	27.9663	-223.582	0.3750555	0	-0.24534059	0	0
cov1_3_5_7_11	27.9744	-223.586	0.3757174	0	-0.19971587	0	0
cov1_3_6_7_10	27.979	-223.588	0.3611851	0	-0.14426852	0	0
cov1_3_5_9_11	27.9944	-223.596	0.3730145	0	-0.17435503	0	0
cov1_3_5_10_11	28.0012	-223.599	0.3731071	0	-0.17541834	0	0
cov1_3_5_8_11	28.0028	-223.6	0.3749509	0	-0.19495271	0	0
cov1_4_6_8_11	28.0165	-223.607	0.3748823	0	-0.24428284	0	0
cov1_4_5_8_11	28.017	-223.607	0.3784058	0	-0.21616988	0	0
cov1_5_7_9_11	28.0199	-223.608	0.378545	0	-0.20796168	0	0
cov1_5_7_10_11	28.0244	-223.611	0.3786262	0	-0.20851963	0	0
cov1_2_3_5_11	28.0285	-223.613	0.373317	0	-0.18416483	0	-0.000718127
cov1_2_5_7_11	28.0595	-223.628	0.3789403	0	-0.2168183	0	-0.003305284
cov1_2_4_6_7	28.0868	-223.642	0.3734206	0	-0.17847158	0	-0.061656642
cov1_5_8_9_11	28.0878	-223.642	0.3783856	0	-0.20698733	0	0
cov1_5_8_10_11	28.0924	-223.645	0.3784671	0	-0.20754504	0	0
cov1_2_4_6_8	28.0994	-223.648	0.3733327	0	-0.17812834	0	-0.062000615
cov1_2_5_8_11	28.1274	-223.662	0.378781	0	-0.21585148	0	-0.003289898
cov1_3_6_9_10	28.1693	-223.683	0.3641616	0	-0.1476607	0	0
cov1_2_3_6_10	28.1715	-223.684	0.3641269	0	-0.15536332	0	0.008909252
cov1_2_3_6_9	28.1731	-223.685	0.3637354	0	-0.15383658	0	0.008115927
cov1_2_4_5_11	28.2061	-223.701	0.3776418	0	-0.1736761	0	-0.037557541
cov1_2_3_4_11	28.2542	-223.726	0.3745275	0	-0.11460267	0	-0.051887452
cov1_2_3_6_11	28.2569	-223.727	0.3669349	0	-0.19154873	0	0.001114775
cov1_4_6_7_8	28.3343	-223.766	0.3712233	0	-0.21723117	0	0
cov1_4_5_9_11	28.3469	-223.772	0.3758697	0	-0.19018621	0	0
cov1_4_5_10_11	28.3493	-223.773	0.3759572	0	-0.19036828	0	0
cov1_3_6_7_8	28.3501	-223.773	0.3588673	0	-0.15184233	0	0
cov1_3_4_9_11	28.3536	-223.775	0.371319	0	-0.12223614	0	0
cov1_3_4_10_11	28.3563	-223.777	0.3715436	0	-0.12279828	0	0
cov1_6_7_10_11	28.4372	-223.817	0.3729787	0	-0.18498964	0	0
cov1_6_7_9_11	28.4558	-223.826	0.3725665	0	-0.18432211	0	0
cov1_6_8_10_11	28.5184	-223.858	0.3727805	0	-0.18347612	0	0
cov1_6_8_9_11	28.5369	-223.867	0.3723681	0	-0.18281092	0	0
cov1_3_4_8_11	28.5417	-223.869	0.3687778	0	-0.12859482	0	0
cov1_2_4_10_11	28.5671	-223.882	0.3773215	0	-0.10473001	0	-0.059177697
cov1_2_4_9_11	28.5673	-223.882	0.3771638	0	-0.10409093	0	-0.059763937
cov1_3_4_7_11	28.5821	-223.889	0.3692128	0	-0.13007248	0	0
cov1_2_5_9_11	28.5895	-223.893	0.3760001	0	-0.19246329	0	-0.002030797
cov1_5_9_10_11	28.5903	-223.894	0.3759102	0	-0.19402535	0	0
cov1_2_5_10_11	28.5936	-223.895	0.3760746	0	-0.19313201	0	-0.001917999

cov1_2_3_6_8	28.6408	-223.919	0.358408	0	-0.15200103	0	0.007019556
cov1_2_4_7_11	28.6885	-223.943	0.3793181	0	-0.12134282	0	-0.066410823
cov1_2_4_8_11	28.7221	-223.959	0.3791903	0	-0.12068718	0	-0.066627877
cov1_6_7_8_10	28.7475	-223.972	0.3690607	0	-0.15772151	0	0
cov1_2_3_6_7	28.7523	-223.975	0.3588451	0	-0.15172498	0	0.006988859
cov1_6_7_8_9	28.7834	-223.99	0.3686072	0	-0.15669033	0	0
cov1_4_5_7_8	28.7938	-223.995	0.3744729	0	-0.16915538	0	0
cov1_3_5_7_8	28.8358	-224.016	0.3714866	0	-0.1507875	0	0
cov1_3_4_5_9	28.8564	-224.027	0.3710988	0	-0.13563921	0	0
cov1_3_4_5_10	28.8575	-224.027	0.3712066	0	-0.13582182	0	0
cov1_2_3_4_5	28.8701	-224.033	0.3722831	0	-0.13446925	0	-0.019866747
cov1_5_7_8_9	28.8794	-224.038	0.374397	0	-0.15874665	0	0
cov1_5_7_8_10	28.8802	-224.039	0.3744812	0	-0.15885665	0	0
cov1_4_7_10_11	28.8854	-224.041	0.3762241	0	-0.13438941	0	0
cov1_4_7_9_11	28.9019	-224.049	0.3759891	0	-0.13416156	0	0
cov1_6_9_10_11	28.9143	-224.056	0.3703526	0	-0.17329365	0	0
cov1_3_4_5_8	28.9151	-224.056	0.3705896	0	-0.14470105	0	0
cov1_3_4_5_7	28.9227	-224.06	0.3712408	0	-0.14846665	0	0
cov1_2_5_7_8	28.9273	-224.062	0.3745907	0	-0.17323735	0	0.002904157
cov1_4_8_10_11	28.9292	-224.063	0.3760831	0	-0.13393709	0	0
cov1_2_6_10_11	28.9317	-224.064	0.3704485	0	-0.17599113	0	0.003011917
cov1_4_8_9_11	28.9456	-224.071	0.3758487	0	-0.13371091	0	0
cov1_2_6_9_11	28.9501	-224.073	0.3700753	0	-0.17457752	0	0.001973857
cov1_4_5_7_10	28.9522	-224.075	0.3743099	0	-0.15469135	0	0
cov1_4_5_7_9	28.9538	-224.075	0.3742157	0	-0.1548677	0	0
cov1_2_4_5_7	28.96	-224.078	0.3751501	0	-0.15043772	0	-0.022033854
cov1_4_5_8_10	28.983	-224.09	0.3742082	0	-0.1543837	0	0
cov1_4_5_8_9	28.9845	-224.091	0.374114	0	-0.1545595	0	0
cov1_2_4_5_8	28.9861	-224.091	0.3750705	0	-0.14947422	0	-0.022777418
cov1_2_4_5_10	28.996	-224.096	0.3742257	0	-0.12926145	0	-0.027066798
cov1_2_4_5_9	28.9962	-224.097	0.374134	0	-0.12917199	0	-0.0272274
cov1_2_3_5_9	29.0114	-224.104	0.3707335	0	-0.1409419	0	0.00536653
cov1_2_3_5_10	29.0144	-224.106	0.370825	0	-0.14149202	0	0.005529236
cov1_3_5_7_9	29.0161	-224.106	0.3713591	0	-0.13934288	0	0
cov1_3_5_8_9	29.0175	-224.107	0.3707075	0	-0.13577139	0	0
cov1_3_5_9_10	29.018	-224.107	0.3709344	0	-0.136945	0	0
cov1_3_5_7_10	29.0192	-224.108	0.3714841	0	-0.13994888	0	0
cov1_3_5_8_10	29.021	-224.109	0.3708305	0	-0.13641895	0	0
cov1_2_3_5_8	29.0611	-224.129	0.370717	0	-0.15058442	0	0.004561989
cov1_2_3_5_7	29.0616	-224.129	0.3713833	0	-0.15418347	0	0.004334615
cov1_4_5_9_10	29.0976	-224.147	0.3733251	0	-0.15187572	0	0
cov1_2_5_7_9	29.1039	-224.15	0.3743834	0	-0.16145171	0	0.003716372
cov1_2_5_7_10	29.1045	-224.151	0.374466	0	-0.16168639	0	0.003922912
cov1_5_7_9_10	29.1063	-224.152	0.3745323	0	-0.15837733	0	0
cov1_3_8_9_11	29.1369	-224.167	0.365981	0	-0.072834804	0	0
cov1_4_9_10_11	29.1385	-224.168	0.3745728	0	-0.1295885	0	0
cov1_2_5_8_9	29.1418	-224.169	0.3742874	0	-0.16117333	0	0.003652933

cov1_2_5_8_10	29.1425	-224.17	0.3743696	0	-0.16141499	0	0.003858224
cov1_5_8_9_10	29.1442	-224.171	0.3744339	0	-0.15815236	0	0
cov1_3_8_10_11	29.1545	-224.176	0.3662639	0	-0.073558	0	0
cov1_6_7_9_10	29.1561	-224.176	0.369112	0	-0.15147643	0	0
cov1_2_6_7_10	29.158	-224.177	0.3690889	0	-0.15803728	0	0.007563865
cov1_3_7_9_11	29.181	-224.189	0.3663937	0	-0.073445169	0	0
cov1_4_7_8_11	29.189	-224.193	0.3766849	0	-0.15576661	0	0
cov1_2_3_4_10	29.1923	-224.195	0.3713262	0	-0.063263227	0	-0.039182048
cov1_2_3_4_9	29.1973	-224.197	0.3711242	0	-0.06241269	0	-0.039699313
cov1_2_6_7_9	29.1976	-224.197	0.3686601	0	-0.15615787	0	0.006513901
cov1_3_7_10_11	29.1981	-224.197	0.3666875	0	-0.074171855	0	0
cov1_6_8_9_10	29.2069	-224.202	0.3689904	0	-0.15086686	0	0
cov1_2_6_8_10	29.2091	-224.203	0.36897	0	-0.15736273	0	0.007485153
cov1_3_4_8_10	29.2472	-224.222	0.3660948	0	-0.075088856	0	0
cov1_2_6_8_9	29.2481	-224.222	0.3685411	0	-0.15549222	0	0.006438556
cov1_3_4_8_9	29.2492	-224.223	0.3658061	0	-0.074315959	0	0
cov1_2_3_4_8	29.2547	-224.226	0.3678837	0	-0.067300789	0	-0.040565916
cov1_3_4_7_10	29.2915	-224.244	0.3664887	0	-0.07571362	0	0
cov1_3_4_7_9	29.2946	-224.246	0.3661921	0	-0.074934697	0	0
cov1_2_3_9_11	29.3	-224.248	0.368879	0	-0.082562465	0	0.005954218
cov1_3_9_10_11	29.3029	-224.25	0.3691912	0	-0.077822501	0	0
cov1_2_3_4_7	29.3058	-224.251	0.3682987	0	-0.067907946	0	-0.041298252
cov1_2_3_10_11	29.3101	-224.253	0.3691421	0	-0.083633717	0	0.00655142
cov1_2_5_9_10	29.3261	-224.261	0.3732745	0	-0.15853701	0	0.003212284
cov1_3_4_7_8	29.3402	-224.269	0.3654401	0	-0.08658464	0	0
cov1_3_7_8_11	29.3625	-224.28	0.3651094	0	-0.084205137	0	0
cov1_2_6_9_10	29.3744	-224.286	0.3678385	0	-0.15435023	0	0.006589008
cov1_3_4_9_10	29.4281	-224.312	0.3691708	0	-0.079915299	0	0
cov1_2_4_7_10	29.4363	-224.317	0.3742739	0	-0.067270821	0	-0.048788025
cov1_2_4_8_10	29.4481	-224.322	0.3742075	0	-0.067274326	0	-0.049138125
cov1_2_4_7_9	29.4489	-224.323	0.3740845	0	-0.066489311	0	-0.049603746
cov1_2_4_8_9	29.4604	-224.329	0.3740178	0	-0.066496167	0	-0.049945454
cov1_2_4_9_10	29.4619	-224.329	0.3739332	0	-0.066937184	0	-0.050241412
cov1_2_3_8_11	29.5404	-224.369	0.3645653	0	-0.087198483	0	0.005268944
cov1_2_4_7_8	29.5752	-224.386	0.3748505	0	-0.07867479	0	-0.058791858
cov1_4_7_8_10	29.603	-224.4	0.3723814	0	-0.091249638	0	0
cov1_2_3_7_11	29.606	-224.401	0.364946	0	-0.087950283	0	0.005164598
cov1_4_7_8_9	29.631	-224.414	0.3721306	0	-0.090973458	0	0
cov2_3_4_9_11	29.6902	-224.444	0.3728775	0	0	0	-0.086694972
cov2_3_4_10_11	29.7363	-224.467	0.373187	0	0	0	-0.087038387
cov2_3_4_8_9	29.7481	-224.472	0.3678168	0	0	0	-0.06735246
cov2_3_4_8_10	29.7786	-224.488	0.3681294	0	0	0	-0.068055115
cov2_3_4_7_9	29.7957	-224.496	0.3682305	0	0	0	-0.068112057
cov1_6_7_8_11	29.7985	-224.498	0.3739249	0	-0.19949192	0	0
cov2_3_4_7_10	29.826	-224.511	0.3685519	0	0	0	-0.068807121
cov1_4_7_9_10	29.827	-224.512	0.3724418	0	-0.090897787	0	0
cov2_3_4_6_9	29.8344	-224.516	0.3712109	0	0	0	-0.084484768

cov1_4_8_9_10	29.8447	-224.521	0.3723605	0	-0.091077008	0	0
cov2_3_4_5_9	29.8706	-224.534	0.3711737	0	0	0	-0.070600735
cov2_3_4_6_10	29.8768	-224.537	0.3716135	0	0	0	-0.084501598
cov2_3_4_5_10	29.8836	-224.54	0.3714729	0	0	0	-0.070652147
cov2_4_5_6_9	29.9082	-224.553	0.3736233	0	0	0	-0.10359283
cov2_4_5_6_10	29.9218	-224.559	0.3740098	0	0	0	-0.1031318
cov2_4_5_9_11	29.9553	-224.576	0.3763067	0	0	0	-0.10105443
cov2_3_4_9_10	29.9669	-224.582	0.3716253	0	0	0	-0.074229866
cov1_3_7_8_9	29.9696	-224.583	0.3624352	0	-0.028504854	0	0
cov2_4_5_10_11	29.9718	-224.584	0.3765981	0	0	0	-0.10069153
cov1_3_7_8_10	29.9759	-224.586	0.3627701	0	-0.029345655	0	0
cov2_3_4_5_8	30.0187	-224.608	0.3661439	0	0	0	-0.074788702
cov2_3_4_8_11	30.0367	-224.617	0.3686532	0	0	0	-0.092398679
cov2_3_4_7_8	30.042	-224.619	0.3676167	0	0	0	-0.082168036
cov2_3_6_8_9	30.0642	-224.631	0.3626354	0	0	0	-0.042619729
cov2_3_8_9_11	30.0937	-224.645	0.3649196	0	0	0	-0.036324938
cov2_3_4_5_7	30.0945	-224.646	0.3665604	0	0	0	-0.075974975
cov1_2_3_8_9	30.0953	-224.646	0.361791	0	-0.038397488	0	0.012070364
cov1_2_3_8_10	30.1001	-224.648	0.3621093	0	-0.039655675	0	0.012580097
cov2_3_4_7_11	30.1006	-224.649	0.3690759	0	0	0	-0.093592041
cov2_4_7_8_9	30.1203	-224.659	0.3749845	0	0	0	-0.089054622
cov2_3_6_8_10	30.1206	-224.659	0.3630617	0	0	0	-0.042492042
cov1_3_8_9_10	30.1245	-224.661	0.3623178	0	-0.028305425	0	0
cov2_3_6_7_9	30.1348	-224.666	0.3630103	0	0	0	-0.042534327
cov2_4_7_8_10	30.1397	-224.668	0.3753182	0	0	0	-0.089300176
cov2_3_8_10_11	30.143	-224.67	0.3652211	0	0	0	-0.036614857
cov2_4_7_9_11	30.1503	-224.674	0.3768693	0	0	0	-0.10089615
cov2_3_7_9_11	30.1507	-224.674	0.3653039	0	0	0	-0.036662052
cov1_2_3_7_9	30.1587	-224.678	0.3621345	0	-0.038500561	0	0.012052922
cov2_3_4_5_11	30.1614	-224.679	0.3739808	0	0	0	-0.10732735
cov1_2_3_7_10	30.1626	-224.68	0.3624658	0	-0.03975739	0	0.012553689
cov2_3_4_6_8	30.1644	-224.681	0.3669893	0	0	0	-0.08723638
cov2_4_8_9_11	30.1711	-224.684	0.3767514	0	0	0	-0.10094956
cov2_4_7_10_11	30.186	-224.691	0.377156	0	0	0	-0.10082102
cov1_3_7_9_10	30.1871	-224.692	0.3626686	0	-0.028435047	0	0
cov2_3_6_7_10	30.1905	-224.694	0.3634464	0	0	0	-0.042402701
cov2_4_6_9_11	30.1961	-224.696	0.3757775	0	0	0	-0.10446272
cov2_3_7_10_11	30.2001	-224.698	0.3656146	0	0	0	-0.036946517
cov2_4_8_10_11	30.2066	-224.702	0.377037	0	0	0	-0.10087754
cov2_4_9_10_11	30.2199	-224.708	0.3761561	0	0	0	-0.10097125
cov2_4_6_10_11	30.2353	-224.716	0.3761175	0	0	0	-0.10407045
cov2_3_4_6_7	30.2361	-224.716	0.3674188	0	0	0	-0.087933801
cov2_4_6_7_9	30.2393	-224.718	0.374972	0	0	0	-0.098328196
cov1_2_6_7_11	30.2436	-224.72	0.3741861	0	-0.19266122	0	-0.00112352
cov2_4_5_7_9	30.2466	-224.722	0.3746263	0	0	0	-0.085881194
cov2_4_5_9_10	30.251	-224.724	0.3745159	0	0	0	-0.086173349
cov2_4_5_7_10	30.2525	-224.725	0.3749426	0	0	0	-0.085648324

cov2_4_6_8_9	30.2526	-224.725	0.374897	0	0	0	-0.098604139
cov2_4_5_8_9	30.2548	-224.726	0.3745723	0	0	0	-0.086162553
cov2_3_7_8_9	30.2584	-224.728	0.3628398	0	0	0	-0.018421009
cov2_4_5_8_10	30.2608	-224.729	0.3748698	0	0	0	-0.085925569
cov2_4_6_9_10	30.2679	-224.732	0.3747127	0	0	0	-0.099299697
cov2_4_6_7_10	30.2719	-224.734	0.3753599	0	0	0	-0.098024054
cov3_4_5_8_9	30.2754	-224.736	0.3609198	0	0	0	0
cov3_5_6_8_9	30.2796	-224.738	0.3578786	0	0	0	0
cov2_3_6_9_11	30.2846	-224.741	0.3687104	0	0	0	-0.051247826
cov2_4_6_8_10	30.2854	-224.741	0.3752839	0	0	0	-0.098305618
cov2_3_7_8_10	30.2861	-224.741	0.3632248	0	0	0	-0.019163334
cov3_4_5_8_10	30.2976	-224.747	0.3612717	0	0	0	0
cov1_2_6_8_11	30.3157	-224.756	0.3739961	0	-0.19120737	0	-0.001093292
cov2_4_7_9_10	30.3285	-224.763	0.3751706	0	0	0	-0.088845391
cov3_5_6_8_10	30.3285	-224.763	0.3583876	0	0	0	0
cov1_7_8_10_11	30.3295	-224.763	0.3754648	0	-0.078074319	0	0
cov2_4_8_9_10	30.3404	-224.769	0.3750973	0	0	0	-0.089188686
cov2_3_6_10_11	30.3446	-224.771	0.3691178	0	0	0	-0.050835832
cov3_4_5_7_9	30.3517	-224.774	0.3612578	0	0	0	0
cov1_7_8_9_11	30.3533	-224.775	0.3751227	0	-0.077471315	0	0
cov3_5_8_9_11	30.361	-224.779	0.3612599	0	0	0	0
cov3_5_6_7_9	30.3735	-224.785	0.3583933	0	0	0	0
cov3_4_5_7_10	30.3736	-224.785	0.3616185	0	0	0	0
cov1_2_3_7_8	30.3819	-224.789	0.3607805	0	-0.047907113	0	0.010997118
cov2_3_5_8_9	30.3915	-224.794	0.3634208	0	0	0	-0.024848221
cov2_3_5_9_11	30.4023	-224.8	0.369277	0	0	0	-0.042101446
cov2_3_9_10_11	30.4025	-224.8	0.3692005	0	0	0	-0.040359895
cov3_5_8_10_11	30.4057	-224.801	0.3615972	0	0	0	0
cov2_3_8_9_10	30.4099	-224.803	0.3626445	0	0	0	-0.018202846
cov3_5_7_8_9	30.4126	-224.805	0.3613169	0	0	0	0
cov3_5_6_7_10	30.4215	-224.809	0.3589061	0	0	0	0
cov2_3_4_6_11	30.4224	-224.81	0.3741466	0	0	0	-0.10484545
cov2_3_5_8_10	30.4244	-224.811	0.3636951	0	0	0	-0.024874502
cov3_5_7_9_11	30.434	-224.815	0.3616114	0	0	0	0
cov3_5_7_8_10	30.4444	-224.821	0.3616462	0	0	0	0
cov2_3_5_10_11	30.4501	-224.823	0.3695991	0	0	0	-0.041833137
cov2_3_5_7_9	30.4522	-224.825	0.3638543	0	0	0	-0.025642336
cov1_2_3_9_10	30.4662	-224.832	0.3662527	0	-0.040989366	0	0.012472227
cov2_3_7_9_10	30.4745	-224.836	0.3629968	0	0	0	-0.018302326
cov3_5_7_10_11	30.4786	-224.838	0.3619582	0	0	0	0
cov3_7_8_9_11	30.4804	-224.839	0.3622812	0	0	0	0
cov2_3_6_9_10	30.4815	-224.839	0.3672933	0	0	0	-0.044199629
cov2_3_5_6_9	30.4841	-224.84	0.3669544	0	0	0	-0.043097811
cov2_3_5_7_10	30.4852	-224.841	0.3641341	0	0	0	-0.025655124
cov2_3_4_5_6	30.4914	-224.844	0.3720933	0	0	0	-0.10258296
cov3_6_7_8_9	30.4921	-224.844	0.3619732	0	0	0	0
cov3_7_8_9_10	30.4943	-224.846	0.3620951	0	0	0	0

cov3_4_7_8_9	30.4945	-224.846	0.3620822	0	0	0	0
cov2_3_5_6_10	30.5297	-224.863	0.3673779	0	0	0	-0.04258494
cov3_7_8_10_11	30.5376	-224.867	0.3626285	0	0	0	0
cov3_6_7_8_10	30.5449	-224.871	0.3624291	0	0	0	0
cov3_4_7_8_10	30.5452	-224.871	0.3624498	0	0	0	0
cov3_5_8_9_10	30.5558	-224.876	0.36115	0	0	0	0
cov1_7_9_10_11	30.5619	-224.879	0.3754047	0	-0.077046243	0	0
cov1_2_7_10_11	30.5651	-224.881	0.3753365	0	-0.081974684	0	0.005610374
cov1_2_7_9_11	30.591	-224.894	0.3750232	0	-0.080655557	0	0.004699291
cov1_2_6_7_8	30.6198	-224.908	0.3699337	0	-0.16769826	0	0.003818943
cov1_8_9_10_11	30.6221	-224.909	0.3752501	0	-0.076280859	0	0
cov3_6_8_9_11	30.6244	-224.911	0.3622182	0	0	0	0
cov3_4_8_9_11	30.6245	-224.911	0.361966	0	0	0	0
cov1_2_8_10_11	30.6253	-224.911	0.3751723	0	-0.081216948	0	0.005621173
cov3_5_7_9_10	30.6268	-224.912	0.3615072	0	0	0	0
cov3_8_9_10_11	30.6273	-224.912	0.3620504	0	0	0	0
cov3_6_8_9_10	30.6392	-224.918	0.3617784	0	0	0	0
cov3_4_6_8_9	30.6397	-224.918	0.3617092	0	0	0	0
cov2_3_7_8_11	30.6403	-224.919	0.3635079	0	0	0	-0.045244101
cov3_4_8_9_10	30.6403	-224.919	0.3618777	0	0	0	0
cov1_2_8_9_11	30.6512	-224.924	0.374867	0	-0.079896576	0	0.004704898
cov3_6_8_10_11	30.6795	-224.938	0.3626226	0	0	0	0
cov3_4_8_10_11	30.6819	-224.939	0.3623035	0	0	0	0
cov3_4_5_9_11	30.6835	-224.94	0.3666081	0	0	0	0
cov3_6_7_9_11	30.6896	-224.943	0.3625941	0	0	0	0
cov3_4_7_9_11	30.6912	-224.944	0.3623094	0	0	0	0
cov3_4_6_8_10	30.6924	-224.945	0.3621786	0	0	0	0
cov3_7_9_10_11	30.6936	-224.945	0.3624011	0	0	0	0
cov3_6_7_9_10	30.7068	-224.952	0.3621295	0	0	0	0
cov3_4_7_9_10	30.7072	-224.952	0.3622268	0	0	0	0
cov3_4_6_7_9	30.7075	-224.952	0.3620865	0	0	0	0
cov3_4_5_10_11	30.708	-224.952	0.3670326	0	0	0	0
cov2_3_5_9_10	30.73	-224.963	0.3684032	0	0	0	-0.033809931
cov2_3_6_7_8	30.7332	-224.965	0.3613433	0	0	0	-0.04595098
cov3_6_7_10_11	30.7443	-224.971	0.3630064	0	0	0	0
cov3_4_7_10_11	30.7485	-224.973	0.3626568	0	0	0	0
cov2_3_6_8_11	30.7585	-224.978	0.3627821	0	0	0	-0.050463521
cov3_4_6_7_10	30.7593	-224.978	0.3625664	0	0	0	0
cov3_4_5_6_9	30.7759	-224.986	0.3652347	0	0	0	0
cov2_3_5_8_11	30.7915	-224.994	0.3632254	0	0	0	-0.044780989
cov3_4_5_6_10	30.7929	-224.995	0.3657227	0	0	0	0
cov2_4_7_8_11	30.8215	-225.009	0.3780832	0	0	0	-0.12516584
cov3_4_5_9_10	30.8469	-225.022	0.3665173	0	0	0	0
cov3_5_6_9_11	30.8485	-225.023	0.3656642	0	0	0	0
cov2_4_5_7_8	30.8487	-225.023	0.3763412	0	0	0	-0.11249867
cov2_3_6_7_11	30.8489	-225.023	0.3631624	0	0	0	-0.050497366
cov2_3_5_7_8	30.8507	-225.024	0.3627571	0	0	0	-0.03821541



cov2_4_5_7_11	30.8723	-225.035	0.3783969	0	0	0	-0.12617857
cov3_5_9_10_11	30.8763	-225.037	0.366593	0	0	0	0
cov2_3_5_7_11	30.8767	-225.037	0.3636395	0	0	0	-0.045797275
cov2_4_5_6_11	30.8785	-225.038	0.3780242	0	0	0	-0.12808439
cov2_4_5_8_11	30.8795	-225.038	0.3782792	0	0	0	-0.12607409
cov3_5_6_10_11	30.8897	-225.043	0.3661298	0	0	0	0
cov2_3_5_6_8	30.8927	-225.045	0.3608222	0	0	0	-0.043721116
cov2_4_6_7_8	30.9224	-225.06	0.3766916	0	0	0	-0.11678839
cov3_5_6_9_10	30.9588	-225.078	0.3651655	0	0	0	0
cov2_3_5_6_7	30.9924	-225.095	0.3613727	0	0	0	-0.044284556
cov1_2_9_10_11	31.0119	-225.104	0.3729225	0	-0.071637346	0	0.005529431
cov2_4_6_7_11	31.0342	-225.116	0.3784418	0	0	0	-0.12149512
cov3_4_5_7_8	31.0418	-225.119	0.3586174	0	0	0	0
cov2_4_6_8_11	31.0446	-225.121	0.3783147	0	0	0	-0.12149657
cov2_4_5_6_8	31.0461	-225.121	0.3762929	0	0	0	-0.12009994
cov2_4_5_6_7	31.048	-225.122	0.3763812	0	0	0	-0.11980288
cov3_6_9_10_11	31.0522	-225.125	0.3672358	0	0	0	0
cov3_4_6_9_11	31.0567	-225.127	0.3672193	0	0	0	0
cov3_4_9_10_11	31.0718	-225.134	0.3668281	0	0	0	0
cov3_4_6_9_10	31.0937	-225.145	0.3668555	0	0	0	0
cov3_4_5_8_11	31.0954	-225.146	0.3583932	0	0	0	0
cov3_4_6_10_11	31.1026	-225.15	0.3676718	0	0	0	0
cov3_4_5_6_8	31.1546	-225.176	0.3577551	0	0	0	0
cov3_5_7_8_11	31.2019	-225.199	0.3587255	0	0	0	0
cov3_4_5_7_11	31.2093	-225.203	0.3586761	0	0	0	0
cov3_5_6_7_8	31.2594	-225.228	0.3579468	0	0	0	0
cov3_4_5_6_7	31.2706	-225.234	0.3582302	0	0	0	0
cov1_2_7_8_10	31.2894	-225.243	0.3711556	0	-0.042778647	0	0.01138235
cov2_6_7_8_9	31.3018	-225.249	0.3718122	0	0	0	-0.048174833
cov1_7_8_9_10	31.3138	-225.255	0.3713938	0	-0.03266855	0	0
cov2_6_7_8_10	31.3232	-225.26	0.3723342	0	0	0	-0.047824534
cov3_5_6_8_11	31.3307	-225.264	0.3583815	0	0	0	0
cov1_2_7_8_9	31.335	-225.266	0.3708082	0	-0.041165157	0	0.010495795
cov2_5_7_8_9	31.3446	-225.271	0.3734087	0	0	0	-0.047598272
cov2_5_7_8_10	31.3688	-225.283	0.3737646	0	0	0	-0.047179126
cov3_6_7_8_11	31.3839	-225.29	0.3609402	0	0	0	0
cov3_4_6_7_8	31.3907	-225.294	0.3608455	0	0	0	0
cov2_7_8_9_11	31.3933	-225.295	0.3741947	0	0	0	-0.039818853
cov2_7_8_10_11	31.4079	-225.302	0.3745695	0	0	0	-0.039814514
cov2_5_7_9_11	31.4367	-225.317	0.3748163	0	0	0	-0.054099238
cov3_5_6_7_11	31.4398	-225.318	0.3588737	0	0	0	0
cov2_6_7_9_11	31.4597	-225.328	0.3734874	0	0	0	-0.051935136
cov2_3_5_6_11	31.4693	-225.333	0.3703761	0	0	0	-0.06084832
cov2_5_6_7_9	31.471	-225.334	0.3729381	0	0	0	-0.053813495
cov2_5_7_10_11	31.4719	-225.334	0.3751457	0	0	0	-0.053448447
cov2_5_8_9_11	31.4744	-225.336	0.3746778	0	0	0	-0.05386151
cov3_4_7_8_11	31.4895	-225.343	0.3593888	0	0	0	0

cov2_6_7_10_11	31.4902	-225.344	0.3739369	0	0	0	-0.051326379
cov3_4_6_8_11	31.4978	-225.347	0.3610737	0	0	0	0
cov2_6_8_9_11	31.4994	-225.348	0.3733245	0	0	0	-0.051605755
cov2_5_6_8_9	31.5023	-225.35	0.3728375	0	0	0	-0.053732954
cov2_5_6_7_10	31.5032	-225.35	0.3733651	0	0	0	-0.053085738
cov2_5_8_10_11	31.5094	-225.353	0.3750036	0	0	0	-0.053216315
cov1_2_7_9_10	31.515	-225.356	0.3711682	0	-0.041892866	0	0.011102534
cov2_6_8_10_11	31.5296	-225.363	0.3737744	0	0	0	-0.050999199
cov2_5_6_8_10	31.5346	-225.366	0.3732656	0	0	0	-0.05300891
cov2_6_7_9_10	31.5422	-225.369	0.3721058	0	0	0	-0.046384941
cov1_2_8_9_10	31.5476	-225.372	0.3710761	0	-0.041754465	0	0.011030126
cov2_5_7_9_10	31.5534	-225.375	0.3736145	0	0	0	-0.047083518
cov2_6_8_9_10	31.5747	-225.386	0.3719972	0	0	0	-0.046263807
cov2_5_8_9_10	31.5832	-225.39	0.373516	0	0	0	-0.047062034
cov3_4_6_7_11	31.586	-225.391	0.3614491	0	0	0	0
cov2_5_6_9_11	31.5884	-225.393	0.3725995	0	0	0	-0.055648741
cov2_7_9_10_11	31.5993	-225.398	0.3744252	0	0	0	-0.039341705
cov1_2_7_8_11	31.6032	-225.4	0.3762371	0	-0.099207307	0	0.002017982
cov2_5_6_9_10	31.6063	-225.402	0.3720797	0	0	0	-0.053038828
cov2_5_6_10_11	31.626	-225.411	0.3729858	0	0	0	-0.054818346
cov2_5_9_10_11	31.64	-225.418	0.3733683	0	0	0	-0.051186906
cov2_8_9_10_11	31.6409	-225.419	0.3742774	0	0	0	-0.038949317
cov2_6_9_10_11	31.6482	-225.423	0.3719735	0	0	0	-0.049374385
cov2_7_8_9_10	31.6635	-225.43	0.3719988	0	0	0	-0.022071381
cov4_5_7_8_10	31.6898	-225.443	0.3710366	0	0	0	0
cov4_5_7_8_9	31.7021	-225.449	0.3705778	0	0	0	0
cov4_5_7_9_10	31.8779	-225.537	0.3709146	0	0	0	0
cov4_5_8_9_10	31.8973	-225.547	0.370814	0	0	0	0
cov4_5_7_10_11	31.9012	-225.549	0.3713644	0	0	0	0
cov4_6_7_8_9	31.9058	-225.551	0.3715239	0	0	0	0
cov4_5_6_7_10	31.9082	-225.553	0.3710773	0	0	0	0
cov4_5_7_9_11	31.9113	-225.554	0.3709182	0	0	0	0
cov4_6_7_8_10	31.9188	-225.558	0.3720297	0	0	0	0
cov4_5_6_7_9	31.9202	-225.559	0.3706097	0	0	0	0
cov4_5_8_10_11	31.9221	-225.559	0.3712379	0	0	0	0
cov4_5_6_8_10	31.9276	-225.562	0.3709798	0	0	0	0
cov4_5_8_9_11	31.9324	-225.565	0.3707914	0	0	0	0
cov4_5_6_8_9	31.9395	-225.568	0.3705126	0	0	0	0
cov4_5_6_9_10	31.9415	-225.569	0.3701763	0	0	0	0
cov4_5_9_10_11	31.9417	-225.569	0.3703487	0	0	0	0
cov4_7_8_9_10	31.9458	-225.571	0.3713205	0	0	0	0
cov4_7_8_9_11	31.9551	-225.576	0.3707811	0	0	0	0
cov4_5_6_10_11	31.9722	-225.585	0.3705018	0	0	0	0
cov4_7_8_10_11	31.9746	-225.586	0.3712086	0	0	0	0
cov4_5_6_9_11	31.9835	-225.59	0.3700636	0	0	0	0
cov5_7_8_9_10	31.9999	-225.598	0.3712072	0	0	0	0
cov7_8_9_10_11	32.003	-225.6	0.3713262	0	0	0	0

cov6_7_8_9_10	32.0036	-225.6	0.3712689	0	0	0	0
cov5_7_8_9_11	32.0228	-225.61	0.3712379	0	0	0	0
cov5_6_7_8_9	32.0294	-225.613	0.3708545	0	0	0	0
cov6_7_8_9_11	32.0299	-225.613	0.3713188	0	0	0	0
cov5_7_8_10_11	32.0313	-225.614	0.3716852	0	0	0	0
cov5_6_7_8_10	32.0363	-225.617	0.3713426	0	0	0	0
cov6_7_8_10_11	32.0419	-225.619	0.3717931	0	0	0	0
cov4_6_7_9_10	32.0815	-225.639	0.3718645	0	0	0	0
cov4_6_8_9_10	32.105	-225.651	0.3717805	0	0	0	0
cov4_6_7_9_11	32.1067	-225.652	0.371736	0	0	0	0
cov4_6_7_10_11	32.1189	-225.658	0.3721841	0	0	0	0
cov4_6_8_9_11	32.1301	-225.663	0.3716091	0	0	0	0
cov4_6_8_10_11	32.1423	-225.67	0.3720567	0	0	0	0
cov4_7_9_10_11	32.1446	-225.671	0.3710629	0	0	0	0
cov4_8_9_10_11	32.1678	-225.682	0.3709328	0	0	0	0
cov4_6_9_10_11	32.1772	-225.687	0.3708989	0	0	0	0
cov5_7_9_10_11	32.2114	-225.704	0.3715476	0	0	0	0
cov6_7_9_10_11	32.2167	-225.707	0.3716953	0	0	0	0
cov5_6_7_9_10	32.2196	-225.708	0.371247	0	0	0	0
cov5_8_9_10_11	32.2425	-225.72	0.3714205	0	0	0	0
cov5_6_7_9_11	32.2437	-225.72	0.3714133	0	0	0	0
cov6_8_9_10_11	32.2471	-225.722	0.3715651	0	0	0	0
cov5_6_8_9_10	32.2489	-225.723	0.3711534	0	0	0	0
cov5_6_7_10_11	32.2525	-225.725	0.3718637	0	0	0	0
cov5_6_8_9_11	32.2745	-225.736	0.3712814	0	0	0	0
cov5_6_8_10_11	32.2834	-225.74	0.3717317	0	0	0	0
cov3_4_5_6_11	32.3274	-225.762	0.3680499	0	0	0	0
cov5_6_9_10_11	32.3613	-225.779	0.3702854	0	0	0	0
cov2_5_6_7_8	32.6428	-225.92	0.375625	0	0	0	-0.069507748
cov2_5_7_8_11	32.6531	-225.925	0.3760584	0	0	0	-0.077870075
cov2_5_6_7_11	32.8177	-226.007	0.3768157	0	0	0	-0.071656259
cov2_5_6_8_11	32.8456	-226.021	0.3766672	0	0	0	-0.071396742
cov1_5_6_7_8_11	32.9772	-222.577	0.3764746	0	-0.32321234	0	0
cov1_3_5_6_9_11	33.197	-222.687	0.3703675	0	-0.26471032	0	0
cov1_5_6_7_9_11	33.2105	-222.694	0.376048	0	-0.29950002	0	0
cov1_3_5_6_10_11	33.2144	-222.696	0.3705501	0	-0.26561142	0	0
cov2_6_7_8_11	33.2153	-226.206	0.3753779	0	0	0	-0.058502515
cov1_5_6_7_10_11	33.2222	-222.699	0.3762078	0	-0.29989523	0	0
cov1_3_4_5_6_11	33.2791	-222.728	0.3713492	0	-0.28159137	0	0
cov1_5_6_8_9_11	33.2994	-222.738	0.3758496	0	-0.29773852	0	0
cov1_3_5_6_7_11	33.3016	-222.739	0.3735745	0	-0.29820432	0	0
cov1_5_6_8_10_11	33.311	-222.744	0.3760099	0	-0.29814197	0	0
cov1_4_5_6_7_11	33.3327	-222.755	0.3766239	0	-0.31522008	0	0
cov1_3_5_6_8_11	33.3376	-222.757	0.3725981	0	-0.29190329	0	0
cov1_2_3_5_6_11	33.3562	-222.766	0.3711881	0	-0.2798559	0	-0.003799649
cov1_2_5_6_7_11	33.3812	-222.779	0.3769131	0	-0.31337585	0	-0.006413968
cov1_4_5_6_8_11	33.4134	-222.795	0.3764276	0	-0.31329995	0	0

cov1_2_5_6_8_11	33.4688	-222.823	0.3767162	0	-0.31159066	0	-0.006372646
cov1_3_4_6_9_11	33.549	-222.863	0.3689571	0	-0.21593436	0	0
cov1_3_4_6_10_11	33.5587	-222.868	0.3692642	0	-0.21657534	0	0
cov1_4_5_6_9_11	33.6301	-222.903	0.3734301	0	-0.27950478	0	0
cov1_2_4_5_6_11	33.6312	-222.904	0.3756135	0	-0.26987513	0	-0.037117126
cov1_4_5_6_10_11	33.6374	-222.907	0.3735957	0	-0.27960085	0	0
cov1_5_6_7_8_9	33.6483	-222.912	0.3719414	0	-0.26683508	0	0
cov1_5_6_7_8_10	33.6536	-222.915	0.372117	0	-0.26701389	0	0
cov1_2_3_4_6_11	33.719	-222.948	0.3725141	0	-0.20537233	0	-0.052888162
cov4_5_6_7_8	33.7299	-226.463	0.3737345	0	0	0	0
cov4_6_7_8_11	33.7306	-226.464	0.3736185	0	0	0	0
cov1_3_5_6_7_8	33.7665	-222.972	0.3693949	0	-0.2660232	0	0
cov1_4_5_6_7_8	33.7884	-222.983	0.3725683	0	-0.28342413	0	0
cov1_2_5_6_9_11	33.8113	-222.994	0.3734385	0	-0.28116405	0	-0.004320387
cov1_5_6_9_10_11	33.8154	-222.996	0.3733024	0	-0.28402261	0	0
cov1_2_4_6_9_11	33.8205	-222.999	0.3748007	0	-0.19724067	0	-0.058146839
cov1_2_5_6_10_11	33.8228	-223	0.3735887	0	-0.28183738	0	-0.004006355
cov1_2_4_6_10_11	33.825	-223.001	0.3750283	0	-0.19806295	0	-0.057371683
cov1_2_5_6_7_8	33.8599	-223.018	0.3726201	0	-0.28524261	0	-0.001182492
cov1_3_4_5_6_9	33.8674	-223.022	0.3685326	0	-0.23547717	0	0
cov1_3_4_5_6_10	33.8744	-223.026	0.3687388	0	-0.23579837	0	0
cov4_5_6_7_11	33.92	-226.558	0.3737727	0	0	0	0
cov4_5_6_8_11	33.9302	-226.564	0.3736422	0	0	0	0
cov1_4_5_6_7_9	33.9579	-223.067	0.3720858	0	-0.25742019	0	0
cov1_4_5_6_7_10	33.9596	-223.068	0.3722679	0	-0.25734705	0	0
cov1_3_5_6_7_9	33.9682	-223.072	0.3691008	0	-0.24266178	0	0
cov1_2_3_5_6_9	33.9747	-223.076	0.3681693	0	-0.23933505	0	0.002258886
cov1_3_5_6_9_10	33.9753	-223.076	0.3682723	0	-0.23761059	0	0
cov1_3_5_6_8_9	33.9758	-223.076	0.3682291	0	-0.23767281	0	0
cov1_3_5_6_7_10	33.9778	-223.077	0.369355	0	-0.24350656	0	0
cov1_2_3_5_6_10	33.985	-223.081	0.3683533	0	-0.24011856	0	0.002603468
cov1_3_5_6_8_10	33.9865	-223.082	0.3684811	0	-0.23855076	0	0
cov5_6_7_8_11	33.9979	-226.597	0.3738914	0	0	0	0
cov1_3_4_6_8_11	34.0028	-223.09	0.3664842	0	-0.21911123	0	0
cov1_4_5_6_8_9	34.0064	-223.092	0.3719606	0	-0.25651173	0	0
cov1_4_5_6_8_10	34.0082	-223.092	0.3721413	0	-0.2564381	0	0
cov1_2_3_4_5_6	34.0395	-223.108	0.3700973	0	-0.2406622	0	-0.019886517
cov1_5_6_7_9_10	34.0529	-223.115	0.3722295	0	-0.26131131	0	0
cov1_2_5_6_7_9	34.0552	-223.116	0.3721632	0	-0.26200981	0	0.000516847
cov1_3_4_6_7_11	34.0578	-223.117	0.3670652	0	-0.22060906	0	0
cov1_2_4_5_6_9	34.058	-223.117	0.3718911	0	-0.22882303	0	-0.028118703
cov1_2_5_6_7_10	34.0604	-223.119	0.3723293	0	-0.26247442	0	0.000915413
cov1_2_4_5_6_10	34.062	-223.119	0.3720674	0	-0.22910459	0	-0.027826024
cov1_4_6_7_10_11	34.0658	-223.121	0.3741489	0	-0.22936194	0	0
cov1_4_6_7_9_11	34.0807	-223.129	0.3738418	0	-0.22894462	0	0
cov1_3_4_5_6_8	34.0883	-223.132	0.3686158	0	-0.25204026	0	0
cov1_3_4_5_6_7	34.0925	-223.135	0.369476	0	-0.25720613	0	0

cov1_5_6_8_9_10	34.1093	-223.143	0.3721051	0	-0.26051954	0	0
cov1_2_5_6_8_9	34.1115	-223.144	0.3720414	0	-0.26116416	0	0.000450536
cov1_2_5_6_8_10	34.1168	-223.147	0.3722088	0	-0.26163896	0	0.000844949
cov1_4_6_8_10_11	34.1266	-223.152	0.3739716	0	-0.2283251	0	0
cov1_2_4_5_6_7	34.1299	-223.153	0.3733665	0	-0.25930917	0	-0.021824184
cov1_4_6_8_9_11	34.1414	-223.159	0.3736663	0	-0.22791284	0	0
cov1_2_3_4_6_9	34.154	-223.165	0.3686873	0	-0.16779375	0	-0.038241989
cov1_2_3_4_6_10	34.1552	-223.166	0.3689788	0	-0.16890715	0	-0.037623379
cov1_3_6_8_9_11	34.1606	-223.169	0.3638324	0	-0.17630805	0	0
cov1_4_5_6_9_10	34.1649	-223.171	0.3710621	0	-0.25200584	0	0
cov1_2_4_5_6_8	34.1713	-223.174	0.3732719	0	-0.25754997	0	-0.022795299
cov1_2_3_5_6_7	34.1728	-223.175	0.3695708	0	-0.26086755	0	0.000371447
cov1_2_3_5_6_8	34.176	-223.176	0.3686904	0	-0.25594504	0	0.000673869
cov1_3_6_8_10_11	34.1887	-223.183	0.3642118	0	-0.17695072	0	0
cov1_2_4_6_7_11	34.1925	-223.185	0.3775891	0	-0.21136501	0	-0.06802833
cov1_3_6_7_9_11	34.2111	-223.194	0.3643973	0	-0.17706919	0	0
cov1_3_4_6_8_9	34.2317	-223.204	0.3638154	0	-0.17899218	0	0
cov1_3_4_6_8_10	34.2357	-223.206	0.3642234	0	-0.18002425	0	0
cov1_2_4_6_8_11	34.2366	-223.207	0.3774306	0	-0.21022519	0	-0.068289523
cov1_3_6_7_10_11	34.238	-223.207	0.3647899	0	-0.17773371	0	0
cov4_5_7_8_11	34.2547	-226.726	0.371344	0	0	0	0
cov1_3_4_6_7_9	34.2842	-223.23	0.364353	0	-0.17975752	0	0
cov1_3_4_6_7_10	34.2864	-223.232	0.364774	0	-0.18082097	0	0
cov1_3_6_9_10_11	34.2883	-223.232	0.3667062	0	-0.18173161	0	0
cov1_2_3_6_9_11	34.2937	-223.235	0.3664909	0	-0.18398231	0	0.003030752
cov1_2_3_6_10_11	34.314	-223.245	0.3668234	0	-0.18508846	0	0.003790641
cov1_2_5_6_9_10	34.3391	-223.258	0.3709472	0	-0.25703707	0	5.63E-05
cov1_4_6_9_10_11	34.3571	-223.267	0.3722957	0	-0.22289454	0	0
cov1_3_4_6_9_10	34.3655	-223.271	0.3668271	0	-0.18512524	0	0
cov1_4_6_7_8_10	34.3854	-223.281	0.3704096	0	-0.20203273	0	0
cov1_4_6_7_8_9	34.4132	-223.295	0.3700732	0	-0.20141556	0	0
cov1_2_4_6_7_10	34.4163	-223.296	0.3723477	0	-0.17304032	0	-0.047525131
cov1_2_4_6_7_9	34.4262	-223.301	0.3720762	0	-0.17190953	0	-0.048512741
cov1_2_4_6_8_10	34.4406	-223.309	0.3722626	0	-0.17266228	0	-0.047998253
cov1_3_4_6_7_8	34.4489	-223.313	0.3633089	0	-0.1925344	0	0
cov1_2_4_6_8_9	34.4501	-223.313	0.3719931	0	-0.17154341	0	-0.04897383
cov1_2_4_6_9_10	34.4706	-223.324	0.3718073	0	-0.17142802	0	-0.049766961
cov1_2_3_4_6_8	34.4927	-223.335	0.3657963	0	-0.16804481	0	-0.04203143
cov1_3_6_7_8_11	34.5458	-223.361	0.3627044	0	-0.18658241	0	0
cov1_2_3_4_6_7	34.5599	-223.368	0.3663665	0	-0.16843528	0	-0.04300239
cov1_4_6_7_8_11	34.5719	-223.374	0.3748511	0	-0.25074692	0	0
cov1_3_6_7_8_9	34.5762	-223.376	0.3605802	0	-0.14905361	0	0
cov1_3_6_7_8_10	34.5913	-223.384	0.3610245	0	-0.14996995	0	0
cov1_2_4_6_7_8	34.7058	-223.441	0.373189	0	-0.18393769	0	-0.061222619
cov1_4_5_7_8_11	34.7317	-223.454	0.3784729	0	-0.21707671	0	0
cov1_3_5_7_8_11	34.7515	-223.464	0.3756621	0	-0.19983645	0	0
cov1_4_6_7_9_10	34.7828	-223.48	0.370511	0	-0.19632581	0	0

cov1_5_7_8_9_11	34.7991	-223.488	0.3784635	0	-0.20842865	0	0
cov1_5_7_8_10_11	34.8034	-223.49	0.3785404	0	-0.20898453	0	0
cov1_2_3_4_5_11	34.8104	-223.493	0.3747196	0	-0.16470609	0	-0.02792117
cov1_4_6_8_9_10	34.8147	-223.496	0.3704053	0	-0.19613796	0	0
cov1_2_5_7_8_11	34.8345	-223.506	0.3788381	0	-0.2167817	0	-0.003173018
cov1_2_4_5_7_11	34.8618	-223.519	0.3794338	0	-0.19307827	0	-0.029235953
cov1_3_4_5_9_11	34.8658	-223.521	0.3731623	0	-0.17284195	0	0
cov1_3_4_5_10_11	34.8717	-223.524	0.3732646	0	-0.17358866	0	0
cov1_2_3_6_8_11	34.876	-223.526	0.3622598	0	-0.18187685	0	0.002209927
cov1_3_4_5_7_11	34.8826	-223.53	0.3753569	0	-0.19684695	0	0
cov1_2_3_6_8_9	34.8933	-223.535	0.360031	0	-0.14993525	0	0.008195168
cov1_3_6_8_9_10	34.902	-223.539	0.3604355	0	-0.14362385	0	0
cov1_3_4_5_8_11	34.9032	-223.54	0.374594	0	-0.19206849	0	0
cov1_2_3_6_8_10	34.9077	-223.542	0.3604504	0	-0.15134304	0	0.008848159
cov1_2_4_5_8_11	34.917	-223.547	0.3792954	0	-0.19146046	0	-0.029956441
cov1_4_5_7_9_11	34.9208	-223.549	0.3782199	0	-0.20394723	0	0
cov1_4_5_7_10_11	34.9241	-223.55	0.3783057	0	-0.2042195	0	0
cov1_3_5_7_9_11	34.9565	-223.567	0.3755225	0	-0.18932872	0	0
cov1_2_3_6_7_11	34.9624	-223.57	0.362777	0	-0.18232091	0	0.002096402
cov1_3_5_7_10_11	34.9626	-223.57	0.3756313	0	-0.1903147	0	0
cov1_2_3_6_7_9	34.9684	-223.573	0.3605175	0	-0.14992205	0	0.008188369
cov1_3_6_7_9_10	34.9759	-223.576	0.3609388	0	-0.14365056	0	0
cov1_2_3_6_7_10	34.9811	-223.579	0.3609504	0	-0.15137787	0	0.008859693
cov1_4_5_8_9_11	34.9813	-223.579	0.3780529	0	-0.20290082	0	0
cov1_4_5_8_10_11	34.9845	-223.581	0.3781405	0	-0.20313651	0	0
cov1_3_5_8_9_11	34.9859	-223.581	0.3747619	0	-0.18473379	0	0
cov1_3_5_8_10_11	34.9923	-223.584	0.3748693	0	-0.18576274	0	0
cov1_2_3_5_7_11	34.9939	-223.585	0.3758039	0	-0.19850565	0	-0.001771977
cov1_3_5_9_10_11	35.0129	-223.595	0.3729673	0	-0.17470776	0	0
cov1_2_3_5_9_11	35.0146	-223.596	0.3730113	0	-0.17441166	0	8.16E-05
cov1_2_3_5_10_11	35.0214	-223.599	0.3731011	0	-0.1755218	0	0.000151701
cov1_2_3_5_8_11	35.0225	-223.6	0.375022	0	-0.19396503	0	-0.001443991
cov1_6_7_8_10_11	35.0292	-223.603	0.3727724	0	-0.19088482	0	0
cov1_2_5_7_9_11	35.0387	-223.608	0.3786382	0	-0.20623939	0	-0.002435053
cov1_5_7_9_10_11	35.04	-223.608	0.3785346	0	-0.20805858	0	0
cov1_2_5_7_10_11	35.0434	-223.61	0.3787142	0	-0.20691893	0	-0.002303832
cov1_6_7_8_9_11	35.0476	-223.612	0.3723638	0	-0.19022254	0	0
cov1_2_3_4_9_11	35.0559	-223.616	0.3738624	0	-0.10400573	0	-0.04526669
cov1_2_3_4_10_11	35.0638	-223.62	0.3740357	0	-0.10476452	0	-0.044984397
cov1_2_5_8_9_11	35.1067	-223.642	0.3784783	0	-0.20527603	0	-0.002419633
cov1_5_8_9_10_11	35.1079	-223.642	0.3783752	0	-0.20708429	0	0
cov1_2_5_8_10_11	35.1114	-223.644	0.3785544	0	-0.20595528	0	-0.00228835
cov1_2_3_6_9_10	35.1727	-223.675	0.3639383	0	-0.15454275	0	0.008553259
cov1_2_4_5_9_11	35.1747	-223.676	0.3772656	0	-0.16097193	0	-0.037408894
cov1_2_4_5_10_11	35.1787	-223.678	0.3773524	0	-0.16148771	0	-0.03725623
cov1_2_3_4_8_11	35.2055	-223.691	0.3722485	0	-0.10919825	0	-0.047988104
cov1_2_3_4_7_11	35.233	-223.705	0.3727511	0	-0.11036347	0	-0.048857007

cov1_3_4_8_9_11	35.3142	-223.745	0.3694022	0	-0.11722366	0	0
cov1_3_4_8_10_11	35.3204	-223.749	0.369654	0	-0.11796685	0	0
cov1_3_4_7_9_11	35.3396	-223.758	0.3698585	0	-0.11838672	0	0
cov1_3_4_7_10_11	35.3451	-223.761	0.3701204	0	-0.11913175	0	0
cov1_3_4_7_8_11	35.3579	-223.767	0.3691734	0	-0.13031714	0	0
cov1_2_3_6_7_8	35.3591	-223.768	0.3586886	0	-0.15743159	0	0.006958057
cov1_4_5_9_10_11	35.3669	-223.772	0.3758851	0	-0.19003172	0	0
cov1_3_4_9_10_11	35.3693	-223.773	0.3714108	0	-0.12220838	0	0
cov1_2_4_7_10_11	35.385	-223.781	0.3785839	0	-0.1098398	0	-0.05652661
cov1_2_4_7_9_11	35.386	-223.781	0.3784132	0	-0.10914824	0	-0.057181337
cov1_2_4_8_10_11	35.4235	-223.8	0.3784609	0	-0.10927279	0	-0.056816171
cov1_2_4_8_9_11	35.4244	-223.8	0.3782906	0	-0.10858386	0	-0.057466439
cov1_6_7_9_10_11	35.4367	-223.807	0.3727905	0	-0.18456885	0	0
cov1_2_6_7_10_11	35.4556	-223.816	0.3728874	0	-0.18711044	0	0.00280837
cov1_2_4_7_8_11	35.4629	-223.82	0.3792189	0	-0.12163993	0	-0.066009644
cov1_2_6_7_9_11	35.4753	-223.826	0.3725105	0	-0.18563459	0	0.001735978
cov1_6_8_9_10_11	35.518	-223.847	0.3725782	0	-0.1830515	0	0
cov1_2_6_8_10_11	35.5368	-223.857	0.3726886	0	-0.18561351	0	0.002830083
cov1_2_6_8_9_11	35.5564	-223.867	0.3723112	0	-0.18414195	0	0.001760304
cov1_2_4_9_10_11	35.5825	-223.88	0.3772271	0	-0.10420692	0	-0.059315927
cov1_2_5_9_10_11	35.6095	-223.893	0.3759874	0	-0.19256292	0	-0.002086777
cov1_4_7_8_10_11	35.6682	-223.922	0.3761461	0	-0.1348079	0	0
cov1_4_7_8_9_11	35.6846	-223.931	0.3759155	0	-0.13459156	0	0
cov1_3_4_5_7_8	35.7135	-223.945	0.3711622	0	-0.14831284	0	0
cov1_4_5_7_8_10	35.7462	-223.961	0.3742033	0	-0.15486348	0	0
cov1_4_5_7_8_9	35.7477	-223.962	0.3741132	0	-0.1550471	0	0
cov1_2_4_5_7_8	35.7505	-223.964	0.3750243	0	-0.1503371	0	-0.021689996
cov1_6_7_8_9_10	35.7527	-223.965	0.3688905	0	-0.15724918	0	0
cov1_2_6_7_8_10	35.7546	-223.966	0.3688672	0	-0.16378523	0	0.007535919
cov1_2_6_7_8_9	35.7939	-223.985	0.3684418	0	-0.16191609	0	0.006490722
cov1_3_5_7_8_9	35.8106	-223.994	0.3712898	0	-0.13971563	0	0
cov1_3_5_7_8_10	35.8135	-223.995	0.3714089	0	-0.14029913	0	0
cov1_2_3_4_5_9	35.8236	-224	0.3719105	0	-0.12035918	0	-0.019825485
cov1_2_3_4_5_10	35.8254	-224.001	0.3720155	0	-0.12070176	0	-0.019706526
cov1_2_3_5_7_8	35.8514	-224.014	0.3712971	0	-0.15412954	0	0.004478221
cov1_3_4_5_8_9	35.8701	-224.023	0.3703134	0	-0.1312579	0	0
cov1_3_4_5_8_10	35.8717	-224.024	0.3704504	0	-0.1316664	0	0
cov1_3_4_5_9_10	35.8757	-224.026	0.3711356	0	-0.13542543	0	0
cov1_3_4_5_7_9	35.8764	-224.027	0.3709585	0	-0.13485314	0	0
cov1_3_4_5_7_10	35.8776	-224.027	0.3710985	0	-0.13522341	0	0
cov1_2_3_4_5_8	35.8795	-224.028	0.3712966	0	-0.12822982	0	-0.020369162
cov1_2_3_4_5_7	35.8889	-224.033	0.3719284	0	-0.13222338	0	-0.020050508
cov1_2_5_7_8_9	35.8962	-224.036	0.374274	0	-0.16170524	0	0.003834778
cov1_2_5_7_8_10	35.8967	-224.037	0.3743523	0	-0.16192367	0	0.004033354
cov1_5_7_8_9_10	35.8989	-224.038	0.3744259	0	-0.15854654	0	0
cov1_4_7_9_10_11	35.9026	-224.04	0.3761501	0	-0.13402701	0	0
cov1_2_4_5_7_10	35.9088	-224.043	0.3748647	0	-0.13603678	0	-0.021717701

cov1_2_4_5_7_9	35.9093	-224.043	0.3747723	0	-0.13596171	0	-0.02188907
cov1_2_6_9_10_11	35.9329	-224.055	0.3702699	0	-0.17528714	0	0.002632326
cov1_2_4_5_8_10	35.9351	-224.056	0.3747842	0	-0.13510219	0	-0.022454127
cov1_2_4_5_8_9	35.9356	-224.056	0.3746915	0	-0.1350234	0	-0.022625081
cov1_4_8_9_10_11	35.9464	-224.062	0.3760094	0	-0.1335768	0	0
cov1_3_7_8_9_11	35.9658	-224.071	0.3663472	0	-0.073975773	0	0
cov1_4_5_7_9_10	35.9716	-224.074	0.3742678	0	-0.15446273	0	0
cov1_3_7_8_10_11	35.9824	-224.08	0.3666359	0	-0.074691965	0	0
cov1_4_5_8_9_10	36.0023	-224.089	0.3741661	0	-0.15415499	0	0
cov1_2_4_5_9_10	36.0148	-224.096	0.3741743	0	-0.12891745	0	-0.027140631
cov1_2_3_5_7_9	36.03	-224.103	0.3711309	0	-0.14300459	0	0.005238537
cov1_2_3_5_8_9	36.0309	-224.104	0.3704706	0	-0.13958487	0	0.005451722
cov1_2_3_5_9_10	36.0315	-224.104	0.3707435	0	-0.14090263	0	0.005400722
cov1_2_3_5_7_10	36.0327	-224.105	0.3712511	0	-0.14367505	0	0.005396745
cov1_2_3_5_8_10	36.034	-224.105	0.3705892	0	-0.14029031	0	0.005602991
cov1_3_5_7_9_10	36.0362	-224.106	0.3713569	0	-0.13929856	0	0
cov1_3_5_8_9_10	36.0377	-224.107	0.3707139	0	-0.13575817	0	0
cov1_2_3_4_8_9	36.0744	-224.126	0.3681592	0	-0.059493261	0	-0.035660874
cov1_2_3_4_8_10	36.0759	-224.126	0.3683924	0	-0.060360124	0	-0.035383654
cov1_3_4_7_8_10	36.0904	-224.133	0.3664085	0	-0.075891478	0	0
cov1_3_4_7_8_9	36.0936	-224.135	0.366115	0	-0.075132653	0	0
cov1_2_3_4_7_8	36.0982	-224.137	0.3682156	0	-0.068026899	0	-0.040974337
cov1_2_3_4_7_9	36.1134	-224.145	0.3685838	0	-0.059878889	0	-0.036246062
cov1_2_3_4_7_10	36.1141	-224.145	0.3688255	0	-0.060758488	0	-0.035950706
cov1_2_5_7_9_10	36.1232	-224.15	0.3744132	0	-0.16130749	0	0.003829509
cov1_2_3_8_9_11	36.1476	-224.162	0.3657412	0	-0.07793323	0	0.006453336
cov1_3_8_9_10_11	36.156	-224.166	0.3660525	0	-0.072865193	0	0
cov1_2_5_8_9_10	36.1612	-224.169	0.3743173	0	-0.1610311	0	0.003762155
cov1_2_3_8_10_11	36.1637	-224.17	0.3660106	0	-0.079018399	0	0.006933262
cov1_2_6_7_9_10	36.1642	-224.17	0.3689315	0	-0.15733176	0	0.007254985
cov1_2_3_7_9_11	36.1919	-224.184	0.3661567	0	-0.078485963	0	0.006381129
cov1_3_7_9_10_11	36.1997	-224.188	0.3664768	0	-0.073480972	0	0
cov1_2_3_7_10_11	36.2074	-224.192	0.366436	0	-0.079587047	0	0.006876034
cov1_2_3_4_9_10	36.2092	-224.193	0.3712395	0	-0.062755089	0	-0.039249208
cov1_2_6_8_9_10	36.2152	-224.196	0.3688118	0	-0.15665661	0	0.00717594
cov1_2_4_7_8_10	36.2355	-224.206	0.3741654	0	-0.067517191	0	-0.048543224
cov1_2_4_7_8_9	36.2481	-224.212	0.37398	0	-0.066756071	0	-0.049350789
cov1_3_4_8_9_10	36.2634	-224.22	0.3659809	0	-0.0745414	0	0
cov1_3_4_7_9_10	36.308	-224.242	0.3663782	0	-0.075177723	0	0
cov1_2_3_9_10_11	36.3143	-224.245	0.3689763	0	-0.082736497	0	0.006199738
cov2_3_4_5_9_11	36.361	-224.269	0.3727506	0	0	0	-0.085319209
cov1_2_3_7_8_11	36.3763	-224.276	0.3649167	0	-0.08839883	0	0.005263507
cov2_3_4_5_10_11	36.3903	-224.283	0.3730635	0	0	0	-0.085340327
cov2_3_4_5_6_9	36.4331	-224.305	0.3697937	0	0	0	-0.087796829
cov1_2_4_7_9_10	36.4547	-224.316	0.3742146	0	-0.066904564	0	-0.048861814
cov2_3_4_5_6_10	36.4584	-224.318	0.3702162	0	0	0	-0.08761989
cov1_2_4_8_9_10	36.4665	-224.322	0.3741467	0	-0.066906719	0	-0.049211943



cov2_3_4_8_9_11	36.5453	-224.361	0.3694547	0	0	0	-0.079366308
cov2_3_4_7_9_11	36.587	-224.382	0.3699025	0	0	0	-0.080307368
cov2_3_4_8_10_11	36.5912	-224.384	0.3697207	0	0	0	-0.079835939
cov2_3_4_5_8_9	36.5949	-224.386	0.3666348	0	0	0	-0.06099888
cov2_3_4_7_8_9	36.6038	-224.39	0.3681418	0	0	0	-0.068052251
cov2_3_4_5_8_10	36.6119	-224.394	0.3669122	0	0	0	-0.06124123
cov2_3_4_6_8_9	36.6145	-224.396	0.3672393	0	0	0	-0.077880651
cov1_4_7_8_9_10	36.6225	-224.4	0.3723437	0	-0.091045091	0	0
cov2_3_4_7_10_11	36.6331	-224.405	0.3701765	0	0	0	-0.080764596
cov2_3_4_7_8_10	36.6335	-224.405	0.3684596	0	0	0	-0.068742588
cov2_3_4_5_8_11	36.6422	-224.409	0.367698	0	0	0	-0.089328381
cov2_3_4_5_7_9	36.6511	-224.414	0.3670672	0	0	0	-0.061900481
cov2_3_4_6_8_10	36.6622	-224.419	0.3676339	0	0	0	-0.078116106
cov2_3_4_6_7_9	36.6671	-224.422	0.3676906	0	0	0	-0.078509603
cov2_3_4_5_7_10	36.6679	-224.422	0.367352	0	0	0	-0.062134471
cov2_3_4_6_9_11	36.6818	-224.429	0.3725177	0	0	0	-0.090066615
cov2_3_4_9_10_11	36.7104	-224.444	0.372882	0	0	0	-0.086677163
cov2_3_4_6_7_10	36.7143	-224.445	0.3680922	0	0	0	-0.078730697
cov2_3_4_5_7_11	36.718	-224.447	0.3681245	0	0	0	-0.090542443
cov2_3_4_6_10_11	36.7338	-224.455	0.3728852	0	0	0	-0.090049261
cov2_4_5_6_9_11	36.7461	-224.461	0.375285	0	0	0	-0.11208122
cov2_3_4_5_6_8	36.7526	-224.465	0.3640257	0	0	0	-0.089693957
cov2_3_4_8_9_10	36.7682	-224.472	0.3678211	0	0	0	-0.067349258
cov2_4_5_6_10_11	36.7684	-224.473	0.3756469	0	0	0	-0.11147561
cov2_3_4_7_9_10	36.8158	-224.496	0.3682456	0	0	0	-0.068102159
cov1_2_6_7_8_11	36.8184	-224.498	0.3739585	0	-0.19862156	0	-0.001145881
cov2_3_4_5_6_7	36.8533	-224.515	0.3645729	0	0	0	-0.090275823
cov2_3_4_6_9_10	36.8536	-224.515	0.3712536	0	0	0	-0.08436755
cov2_3_4_5_9_10	36.8848	-224.531	0.3712658	0	0	0	-0.070288631
cov2_3_4_5_7_8	36.8893	-224.533	0.3664744	0	0	0	-0.075702361
cov2_3_4_7_8_11	36.8933	-224.535	0.3690073	0	0	0	-0.093451081
cov2_3_6_7_8_9	36.8989	-224.538	0.362946	0	0	0	-0.044079522
cov2_4_5_6_9_10	36.9125	-224.545	0.3737408	0	0	0	-0.10308436
cov2_4_5_7_9_11	36.9159	-224.546	0.376964	0	0	0	-0.10075436
cov2_4_5_6_7_9	36.9197	-224.548	0.3738075	0	0	0	-0.10284253
cov2_4_5_6_8_9	36.926	-224.551	0.3737194	0	0	0	-0.10319608
cov2_4_5_6_7_10	36.9332	-224.555	0.3741954	0	0	0	-0.10237179
cov2_4_5_7_10_11	36.9337	-224.555	0.3772559	0	0	0	-0.10038446
cov2_4_5_8_9_11	36.9348	-224.556	0.3768507	0	0	0	-0.10080868
cov2_4_5_6_8_10	36.9396	-224.558	0.3741074	0	0	0	-0.102728
cov2_3_7_8_9_11	36.9501	-224.563	0.3652492	0	0	0	-0.03690211
cov2_4_5_8_10_11	36.9524	-224.565	0.3771406	0	0	0	-0.10043743
cov2_4_7_8_9_11	36.9541	-224.565	0.3767841	0	0	0	-0.10088889
cov1_2_3_7_8_9	36.9556	-224.566	0.3620596	0	-0.03883486	0	0.012161436
cov2_3_6_7_8_10	36.9557	-224.566	0.3633793	0	0	0	-0.043946829
cov1_2_3_7_8_10	36.9591	-224.568	0.3623858	0	-0.040070517	0	0.01265507
cov2_3_6_8_9_11	36.9648	-224.571	0.3642223	0	0	0	-0.048189807

cov2_4_5_9_10_11	36.9674	-224.572	0.3763892	0	0	0	-0.10053823
cov1_3_7_8_9_10	36.9847	-224.581	0.3625964	0	-0.028675367	0	0
cov2_4_7_8_10_11	36.9894	-224.583	0.3770676	0	0	0	-0.10081827
cov2_3_5_6_8_9	36.9979	-224.587	0.3603439	0	0	0	-0.034426407
cov2_3_7_8_10_11	36.9989	-224.588	0.3655552	0	0	0	-0.037186567
cov3_4_5_6_8_9	37.0119	-224.594	0.3577689	0	0	0	0
cov2_3_4_6_7_8	37.0188	-224.598	0.3672768	0	0	0	-0.088798898
cov2_4_6_7_8_9	37.0243	-224.6	0.3748566	0	0	0	-0.099240269
cov2_3_6_7_9_11	37.028	-224.602	0.3646442	0	0	0	-0.048294633
cov2_3_6_8_10_11	37.0287	-224.603	0.3645863	0	0	0	-0.047900401
cov3_4_5_6_8_10	37.0478	-224.612	0.3582908	0	0	0	0
cov2_4_5_7_8_9	37.052	-224.614	0.3745474	0	0	0	-0.085778423
cov2_3_5_6_8_10	37.0525	-224.615	0.3607917	0	0	0	-0.034156618
cov2_3_4_6_8_11	37.0566	-224.617	0.3685941	0	0	0	-0.092785541
cov2_4_5_7_8_10	37.0577	-224.617	0.3748402	0	0	0	-0.085535699
cov2_4_6_7_8_10	37.0581	-224.617	0.3752453	0	0	0	-0.098943485
cov2_3_5_6_7_9	37.0823	-224.629	0.3609196	0	0	0	-0.035001509
cov2_3_6_8_9_10	37.0844	-224.63	0.3626496	0	0	0	-0.042612836
cov2_3_6_7_10_11	37.0917	-224.634	0.3650164	0	0	0	-0.04799635
cov3_4_5_8_9_11	37.0986	-224.638	0.3611103	0	0	0	0
cov2_3_5_8_9_11	37.1056	-224.641	0.3644776	0	0	0	-0.03286722
cov1_2_3_8_9_10	37.1098	-224.643	0.3619533	0	-0.038773567	0	0.012301434
cov3_4_5_6_7_9	37.1114	-224.644	0.3582724	0	0	0	0
cov2_3_8_9_10_11	37.1138	-224.645	0.3649104	0	0	0	-0.036331261
cov2_3_4_6_7_11	37.1208	-224.649	0.3690668	0	0	0	-0.093653457
cov3_5_6_7_8_9	37.132	-224.654	0.3580345	0	0	0	0
cov3_4_5_8_10_11	37.1322	-224.654	0.3614768	0	0	0	0
cov2_4_7_8_9_10	37.1351	-224.656	0.3750703	0	0	0	-0.088753353
cov2_3_5_6_7_10	37.1362	-224.656	0.3613699	0	0	0	-0.034721055
cov3_4_5_6_7_10	37.1463	-224.661	0.358798	0	0	0	0
cov2_4_6_7_9_11	37.15	-224.663	0.3765448	0	0	0	-0.1038014
cov2_3_5_8_10_11	37.1532	-224.665	0.3647419	0	0	0	-0.032774934
cov2_3_6_7_9_10	37.1548	-224.666	0.3630374	0	0	0	-0.042521683
cov3_4_5_7_8_9	37.1568	-224.667	0.3611721	0	0	0	0
cov2_3_4_5_6_11	37.1597	-224.668	0.3737209	0	0	0	-0.11166243
cov2_3_5_7_9_11	37.1649	-224.671	0.3649246	0	0	0	-0.033699228
cov2_4_7_9_10_11	37.1681	-224.672	0.3769161	0	0	0	-0.10061486
cov2_4_6_8_9_11	37.1704	-224.674	0.3764201	0	0	0	-0.10388638
cov2_3_7_9_10_11	37.1709	-224.674	0.3653039	0	0	0	-0.036662152
cov1_2_3_7_9_10	37.1724	-224.675	0.3623083	0	-0.038903535	0	0.012300216
cov3_4_5_7_9_11	37.1766	-224.677	0.3614525	0	0	0	0
cov3_4_5_7_8_10	37.1782	-224.677	0.361529	0	0	0	0
cov3_5_6_7_8_10	37.1807	-224.679	0.358551	0	0	0	0
cov2_4_8_9_10_11	37.1889	-224.683	0.3767976	0	0	0	-0.1006722
cov2_4_6_7_10_11	37.1903	-224.683	0.376883	0	0	0	-0.10338666
cov3_5_6_8_9_11	37.207	-224.692	0.3585796	0	0	0	0
cov3_4_5_7_10_11	37.2099	-224.693	0.3618267	0	0	0	0

cov2_4_6_8_10_11	37.2105	-224.694	0.3767576	0	0	0	-0.10347651
cov2_3_5_7_10_11	37.2127	-224.695	0.3651948	0	0	0	-0.033592987
cov2_4_6_9_10_11	37.2144	-224.696	0.3758179	0	0	0	-0.10420848
cov3_5_7_8_9_11	37.2336	-224.705	0.3615267	0	0	0	0
cov2_4_6_7_9_10	37.2552	-224.716	0.3750501	0	0	0	-0.098004074
cov2_3_5_7_8_9	37.2557	-224.716	0.3637665	0	0	0	-0.025636658
cov2_4_5_7_9_10	37.2558	-224.716	0.3747548	0	0	0	-0.085336819
cov3_5_6_8_10_11	37.263	-224.72	0.359071	0	0	0	0
cov2_4_5_8_9_10	37.2642	-224.72	0.3746771	0	0	0	-0.085614356
cov2_4_6_8_9_10	37.2687	-224.723	0.3749734	0	0	0	-0.098285987
cov2_3_7_8_9_10	37.2771	-224.727	0.3629277	0	0	0	-0.018454418
cov3_5_7_8_10_11	37.2776	-224.727	0.3618696	0	0	0	0
cov2_3_5_6_9_11	37.281	-224.729	0.3680741	0	0	0	-0.047814535
cov2_3_5_7_8_10	37.2881	-224.732	0.3640427	0	0	0	-0.025650412
cov3_4_5_8_9_10	37.2902	-224.733	0.3610683	0	0	0	0
cov3_5_6_8_9_10	37.2959	-224.736	0.3579932	0	0	0	0
cov3_5_6_7_9_11	37.298	-224.737	0.3591034	0	0	0	0
cov2_3_6_9_10_11	37.3032	-224.74	0.3687627	0	0	0	-0.051154505
cov2_3_5_6_10_11	37.3395	-224.758	0.3684804	0	0	0	-0.047233778
cov1_7_8_9_10_11	37.3397	-224.758	0.3753337	0	-0.077573941	0	0
cov1_2_7_8_10_11	37.3424	-224.759	0.3752583	0	-0.08255186	0	0.005682257
cov3_5_6_7_10_11	37.3531	-224.765	0.3595971	0	0	0	0
cov3_4_5_7_9_10	37.3659	-224.771	0.3614132	0	0	0	0
cov1_2_7_8_9_11	37.3683	-224.772	0.3749497	0	-0.081251093	0	0.004780593
cov3_5_8_9_10_11	37.3798	-224.778	0.361337	0	0	0	0
cov3_5_6_7_9_10	37.3894	-224.783	0.3585156	0	0	0	0
cov2_3_5_8_9_10	37.4112	-224.794	0.3634568	0	0	0	-0.02476939
cov2_3_5_9_10_11	37.4209	-224.799	0.3693196	0	0	0	-0.041889323
cov3_5_7_8_9_10	37.4303	-224.803	0.3614183	0	0	0	0
cov3_5_7_9_10_11	37.4524	-224.815	0.3616972	0	0	0	0
cov2_3_5_7_9_10	37.4718	-224.824	0.3638963	0	0	0	-0.025550732
cov3_4_7_8_9_11	37.497	-224.837	0.3622264	0	0	0	0
cov2_3_5_6_9_10	37.4985	-224.838	0.3670323	0	0	0	-0.042772733
cov3_6_7_8_9_11	37.4988	-224.838	0.3624295	0	0	0	0
cov3_7_8_9_10_11	37.5002	-224.838	0.362321	0	0	0	0
cov3_6_7_8_9_10	37.5117	-224.844	0.3620295	0	0	0	0
cov3_4_6_7_8_9	37.5118	-224.844	0.3618881	0	0	0	0
cov3_4_7_8_9_10	37.514	-224.845	0.3621388	0	0	0	0
cov3_4_7_8_10_11	37.5538	-224.865	0.3625694	0	0	0	0
cov3_6_7_8_10_11	37.554	-224.865	0.3628404	0	0	0	0
cov3_4_6_7_8_10	37.5648	-224.871	0.3623684	0	0	0	0
cov1_2_7_9_10_11	37.5756	-224.876	0.3752166	0	-0.081271754	0	0.005344465
cov2_3_6_7_8_11	37.6191	-224.898	0.3630438	0	0	0	-0.051823859
cov1_2_8_9_10_11	37.6358	-224.906	0.3750605	0	-0.080512008	0	0.005349043
cov3_4_6_8_9_11	37.6437	-224.91	0.3621185	0	0	0	0
cov3_6_8_9_10_11	37.6443	-224.91	0.3622514	0	0	0	0
cov3_4_8_9_10_11	37.6444	-224.911	0.3619987	0	0	0	0

cov2_4_5_7_8_11	37.6552	-224.916	0.3783004	0	0	0	-0.1259322
cov3_4_6_8_9_10	37.6594	-224.918	0.3617544	0	0	0	0
cov2_3_5_7_8_11	37.6603	-224.918	0.3635742	0	0	0	-0.045729327
cov3_4_5_6_9_11	37.6692	-224.923	0.3658655	0	0	0	0
cov3_4_5_9_10_11	37.6873	-224.932	0.3667837	0	0	0	0
cov3_4_5_6_10_11	37.6959	-224.936	0.3663415	0	0	0	0
cov3_4_6_8_10_11	37.6992	-224.938	0.3625514	0	0	0	0
cov3_4_6_7_9_11	37.7093	-224.943	0.3625235	0	0	0	0
cov3_6_7_9_10_11	37.7094	-224.943	0.3626368	0	0	0	0
cov3_4_7_9_10_11	37.711	-224.944	0.3623509	0	0	0	0
cov3_4_6_7_9_10	37.7269	-224.952	0.3621459	0	0	0	0
cov2_3_5_6_7_8	37.7521	-224.964	0.3610666	0	0	0	-0.045032649
cov3_4_6_7_10_11	37.7643	-224.97	0.3629631	0	0	0	0
cov2_3_5_6_8_11	37.7684	-224.973	0.3620566	0	0	0	-0.048061441
cov3_4_5_6_9_10	37.7733	-224.975	0.3654122	0	0	0	0
cov2_4_5_6_7_8	37.8184	-224.998	0.3762354	0	0	0	-0.12108497
cov2_4_6_7_8_11	37.8298	-225.003	0.3782786	0	0	0	-0.12222437
cov3_5_6_9_10_11	37.856	-225.016	0.3657888	0	0	0	0
cov2_3_5_6_7_11	37.8634	-225.02	0.3626256	0	0	0	-0.048702984
cov2_4_5_6_7_11	37.8896	-225.033	0.3783085	0	0	0	-0.12787337
cov2_4_5_6_8_11	37.896	-225.036	0.3781777	0	0	0	-0.12796142
cov3_4_5_7_8_11	37.9925	-225.085	0.358615	0	0	0	0
cov3_4_5_6_7_8	38.0492	-225.113	0.3578876	0	0	0	0
cov3_4_6_9_10_11	38.0711	-225.124	0.3673214	0	0	0	0
cov3_4_5_6_8_11	38.1155	-225.146	0.3583043	0	0	0	0
cov3_5_6_7_8_11	38.2211	-225.199	0.3585108	0	0	0	0
cov2_6_7_8_9_11	38.2235	-225.2	0.3733373	0	0	0	-0.053273347
cov3_4_5_6_7_11	38.2292	-225.203	0.3587908	0	0	0	0
cov2_5_7_8_9_11	38.234	-225.205	0.3747312	0	0	0	-0.054144037
cov2_5_6_7_8_9	38.2442	-225.21	0.3727496	0	0	0	-0.054651395
cov2_6_7_8_10_11	38.2553	-225.216	0.3737858	0	0	0	-0.052664652
cov2_5_7_8_10_11	38.2686	-225.223	0.3750572	0	0	0	-0.053498986
cov2_5_6_7_8_10	38.2768	-225.227	0.373179	0	0	0	-0.05391737
cov2_6_7_8_9_10	38.299	-225.238	0.3720091	0	0	0	-0.047948205
cov1_2_7_8_9_10	38.3051	-225.241	0.3710675	0	-0.042222141	0	0.011214014
cov2_5_7_8_9_10	38.3541	-225.265	0.3735112	0	0	0	-0.047050097
cov2_7_8_9_10_11	38.3923	-225.284	0.3743462	0	0	0	-0.039581406
cov3_4_6_7_8_11	38.3983	-225.287	0.3612091	0	0	0	0
cov2_5_6_7_9_11	38.4115	-225.294	0.3741757	0	0	0	-0.057456287
cov2_5_7_9_10_11	38.4474	-225.312	0.3749067	0	0	0	-0.05354962
cov2_5_6_8_9_11	38.4492	-225.313	0.3740273	0	0	0	-0.057216419
cov2_5_6_7_10_11	38.4508	-225.314	0.3745577	0	0	0	-0.056588982
cov2_6_7_9_10_11	38.4607	-225.319	0.3736391	0	0	0	-0.051617278
cov2_5_6_7_9_10	38.4779	-225.327	0.3730448	0	0	0	-0.053287839
cov2_5_8_9_10_11	38.4852	-225.331	0.3747648	0	0	0	-0.053317459
cov2_5_6_8_10_11	38.4883	-225.332	0.3744091	0	0	0	-0.056353298
cov2_6_8_9_10_11	38.5005	-225.339	0.3734771	0	0	0	-0.051289379

cov2_5_6_8_9_10	38.5094	-225.343	0.3729446	0	0	0	-0.053210764
cov2_5_6_9_10_11	38.598	-225.387	0.3726787	0	0	0	-0.0551368
cov4_5_7_8_9_10	38.6797	-225.428	0.370814	0	0	0	0
cov4_5_7_8_10_11	38.7015	-225.439	0.3712751	0	0	0	0
cov4_5_6_7_8_10	38.706	-225.441	0.3708745	0	0	0	0
cov4_5_7_8_9_11	38.7119	-225.444	0.3708306	0	0	0	0
cov4_5_6_7_8_9	38.7182	-225.447	0.3704061	0	0	0	0
cov4_5_7_9_10_11	38.8882	-225.532	0.3711614	0	0	0	0
cov4_5_6_7_9_10	38.8966	-225.537	0.3708125	0	0	0	0
cov4_6_7_8_9_10	38.9008	-225.539	0.3717231	0	0	0	0
cov4_5_8_9_10_11	38.9095	-225.543	0.3710349	0	0	0	0
cov4_5_6_8_9_10	38.916	-225.546	0.3707148	0	0	0	0
cov4_5_6_7_10_11	38.9213	-225.549	0.3713906	0	0	0	0
cov4_6_7_8_9_11	38.926	-225.551	0.3715413	0	0	0	0
cov4_5_6_7_9_11	38.9314	-225.554	0.3709561	0	0	0	0
cov4_6_7_8_10_11	38.9389	-225.558	0.3719903	0	0	0	0
cov4_5_6_8_10_11	38.9423	-225.559	0.3712553	0	0	0	0
cov4_7_8_9_10_11	38.9489	-225.563	0.3709721	0	0	0	0
cov4_5_6_8_9_11	38.9526	-225.565	0.370821	0	0	0	0
cov4_5_6_9_10_11	38.9611	-225.569	0.3702495	0	0	0	0
cov5_7_8_9_10_11	39.0105	-225.594	0.3714563	0	0	0	0
cov5_6_7_8_9_10	39.0161	-225.596	0.3710397	0	0	0	0
cov6_7_8_9_10_11	39.0205	-225.599	0.3715135	0	0	0	0
cov5_6_7_8_9_11	39.0426	-225.61	0.3711681	0	0	0	0
cov5_6_7_8_10_11	39.0511	-225.614	0.3716202	0	0	0	0
cov4_6_7_9_10_11	39.1016	-225.639	0.3719141	0	0	0	0
cov4_6_8_9_10_11	39.1252	-225.651	0.3717869	0	0	0	0
cov5_6_7_9_10_11	39.2315	-225.704	0.3715587	0	0	0	0
cov5_6_8_9_10_11	39.2626	-225.72	0.3714539	0	0	0	0
cov2_5_6_7_8_11	39.6149	-225.896	0.3766198	0	0	0	-0.07245788
cov1_5_6_7_8_9_11	39.8195	-222.488	0.3758277	0	-0.30481331	0	0
cov1_5_6_7_8_10_11	39.8311	-222.494	0.3759862	0	-0.3052169	0	0
cov1_3_5_6_7_8_11	39.9113	-222.534	0.3734016	0	-0.30373236	0	0
cov1_4_5_6_7_8_11	39.9425	-222.549	0.376404	0	-0.32049273	0	0
cov1_2_5_6_7_8_11	39.988	-222.572	0.3766846	0	-0.31859633	0	-0.006412163
cov1_3_4_5_6_9_11	40.1151	-222.636	0.3706293	0	-0.26240493	0	0
cov1_3_4_5_6_10_11	40.1299	-222.643	0.3708217	0	-0.26304718	0	0
cov1_3_5_6_7_9_11	40.1501	-222.653	0.3730771	0	-0.28107272	0	0
cov1_4_5_6_7_9_11	40.1545	-222.655	0.3759078	0	-0.29532034	0	0
cov1_4_5_6_7_10_11	40.1637	-222.66	0.3760645	0	-0.29547698	0	0
cov1_3_5_6_7_10_11	40.1653	-222.661	0.3733024	0	-0.28207633	0	0
cov1_3_5_6_8_9_11	40.1895	-222.673	0.3720982	0	-0.27490904	0	0
cov1_2_3_4_5_6_11	40.201	-222.679	0.3725508	0	-0.2615199	0	-0.027096175
cov1_3_5_6_8_10_11	40.2055	-222.681	0.3723239	0	-0.27595276	0	0
cov1_2_3_5_6_9_11	40.2161	-222.686	0.3704476	0	-0.26324106	0	-0.00220125
cov1_3_5_6_9_10_11	40.2169	-222.687	0.3703488	0	-0.2648413	0	0
cov1_2_5_6_7_9_11	40.2255	-222.691	0.3762133	0	-0.29625775	0	-0.004753962

cov1_5_6_7_9_10_11	40.2305	-222.693	0.37606	0	-0.29937943	0	0
cov1_2_3_5_6_10_11	40.2337	-222.695	0.3706216	0	-0.26432784	0	-0.00193273
cov1_4_5_6_8_9_11	40.2357	-222.696	0.3756982	0	-0.29342426	0	0
cov1_2_5_6_7_10_11	40.2379	-222.697	0.376362	0	-0.29693384	0	-0.004418796
cov1_4_5_6_8_10_11	40.2447	-222.701	0.3758718	0	-0.29357311	0	0
cov1_2_4_5_6_7_11	40.2451	-222.701	0.3774767	0	-0.29164792	0	-0.028336722
cov1_3_4_5_6_7_11	40.2595	-222.708	0.37342	0	-0.29483411	0	0
cov1_2_3_4_6_9_11	40.2784	-222.717	0.3713917	0	-0.19787356	0	-0.043247697
cov1_3_4_5_6_8_11	40.2879	-222.722	0.3724489	0	-0.28846299	0	0
cov1_2_3_4_6_10_11	40.2949	-222.726	0.3716467	0	-0.19872118	0	-0.042828341
cov1_2_5_6_8_9_11	40.3145	-222.735	0.3760141	0	-0.29452742	0	-0.00471845
cov1_2_3_5_6_7_11	40.3163	-222.736	0.3737944	0	-0.29506159	0	-0.004898295
cov1_2_4_5_6_8_11	40.3188	-222.738	0.3773102	0	-0.2890297	0	-0.029243518
cov1_5_6_8_9_10_11	40.3194	-222.738	0.3758627	0	-0.29762643	0	0
cov1_2_5_6_8_10_11	40.3268	-222.742	0.3761629	0	-0.29520291	0	-0.004384698
cov1_2_3_5_6_8_11	40.3532	-222.755	0.3727978	0	-0.28902072	0	-0.004474095
cov1_2_4_5_6_9_11	40.4636	-222.81	0.3748251	0	-0.2506266	0	-0.036808534
cov1_2_4_5_6_10_11	40.4739	-222.815	0.3749871	0	-0.25113479	0	-0.036507712
cov1_3_4_6_8_9_11	40.5214	-222.839	0.3672241	0	-0.21111883	0	0
cov1_3_4_6_8_10_11	40.5352	-222.846	0.3675858	0	-0.211975	0	0
cov1_3_4_6_7_9_11	40.5494	-222.853	0.367838	0	-0.21265918	0	0
cov1_3_4_6_7_10_11	40.5618	-222.859	0.3682121	0	-0.2135371	0	0
cov1_3_4_6_9_10_11	40.5626	-222.86	0.3690681	0	-0.21595096	0	0
cov1_4_5_6_7_8_9	40.575	-222.866	0.3718587	0	-0.26268612	0	0
cov1_4_5_6_7_8_10	40.5768	-222.867	0.3720376	0	-0.26261482	0	0
cov1_3_5_6_7_8_9	40.5842	-222.87	0.3689176	0	-0.24815612	0	0
cov1_3_5_6_7_8_10	40.5937	-222.875	0.3691696	0	-0.24899475	0	0
cov1_2_4_6_7_9_11	40.5984	-222.877	0.3761829	0	-0.20392666	0	-0.05530237
cov1_2_4_6_7_10_11	40.602	-222.879	0.3764218	0	-0.20481161	0	-0.054448687
cov1_4_5_6_9_10_11	40.649	-222.903	0.3734631	0	-0.2791838	0	0
cov1_2_4_6_8_9_11	40.6523	-222.904	0.3760272	0	-0.20277557	0	-0.055671662
cov1_2_4_6_8_10_11	40.656	-222.906	0.3762652	0	-0.20365349	0	-0.054826933
cov1_2_3_4_6_8_11	40.6563	-222.906	0.3699829	0	-0.19981695	0	-0.048618509
cov1_5_6_7_8_9_10	40.6662	-222.911	0.3719927	0	-0.26651729	0	0
cov1_2_5_6_7_8_9	40.6684	-222.912	0.3719268	0	-0.26721639	0	0.000519482
cov1_3_4_6_7_8_11	40.6734	-222.915	0.3669068	0	-0.22607325	0	0
cov1_2_5_6_7_8_10	40.6736	-222.915	0.3720913	0	-0.26767837	0	0.000915951
cov1_4_6_7_8_10_11	40.6783	-222.917	0.3739531	0	-0.23478232	0	0
cov1_4_6_7_8_9_11	40.693	-222.925	0.3736484	0	-0.23436682	0	0
cov1_2_3_4_6_7_11	40.6944	-222.925	0.3706464	0	-0.20102433	0	-0.04973775
cov1_3_4_5_6_7_8	40.71	-222.933	0.3692944	0	-0.26267272	0	0
cov1_2_4_5_6_7_8	40.7469	-222.952	0.3731196	0	-0.26485351	0	-0.021355715
cov4_5_6_7_8_11	40.7483	-226.462	0.3735684	0	0	0	0
cov1_2_3_5_6_7_8	40.7867	-222.972	0.3693813	0	-0.26627196	0	0.000358432
cov1_2_4_6_7_8_11	40.8077	-222.982	0.3773729	0	-0.21692437	0	-0.067603999
cov1_3_6_7_8_9_11	40.8195	-222.988	0.3642565	0	-0.18288886	0	0
cov1_2_5_6_9_10_11	40.8314	-222.994	0.3734444	0	-0.28112408	0	-0.004291817

cov1_2_4_6_9_10_11	40.833	-222.995	0.3748792	0	-0.19745935	0	-0.057587459
cov1_2_3_4_5_6_9	40.8346	-222.995	0.369352	0	-0.22021938	0	-0.019815595
cov1_2_3_4_5_6_10	40.8427	-223	0.3695473	0	-0.22076894	0	-0.019594378
cov1_3_6_7_8_10_11	40.8461	-223.001	0.3646461	0	-0.18355308	0	0
cov1_3_4_5_6_8_9	40.8852	-223.021	0.3680603	0	-0.23274831	0	0
cov1_3_4_5_6_9_10	40.8856	-223.021	0.368587	0	-0.23519507	0	0
cov1_3_4_5_6_7_9	40.886	-223.021	0.3689234	0	-0.23779536	0	0
cov1_3_4_5_6_7_10	40.8925	-223.024	0.3691869	0	-0.23843129	0	0
cov1_3_4_5_6_8_10	40.8927	-223.025	0.3683222	0	-0.23341366	0	0
cov1_3_4_6_7_8_9	40.9074	-223.032	0.3641788	0	-0.1851068	0	0
cov1_3_4_6_7_8_10	40.9094	-223.033	0.3645977	0	-0.18616778	0	0
cov1_2_4_5_6_7_9	40.9152	-223.036	0.3726415	0	-0.23876829	0	-0.021549632
cov1_2_4_5_6_7_10	40.9188	-223.038	0.3728183	0	-0.23904064	0	-0.021241245
cov1_2_4_5_6_8_9	40.958	-223.057	0.3725439	0	-0.23706192	0	-0.022519944
cov1_2_4_5_6_8_10	40.9616	-223.059	0.3727201	0	-0.23733882	0	-0.022212378
cov1_4_5_6_7_9_10	40.9738	-223.065	0.3721551	0	-0.25693513	0	0
cov1_2_3_5_6_7_9	40.9875	-223.072	0.3690222	0	-0.24397218	0	0.001980805
cov1_3_5_6_7_9_10	40.9875	-223.072	0.3691519	0	-0.24258744	0	0
cov1_2_3_5_6_9_10	40.9942	-223.075	0.3681963	0	-0.23924825	0	0.002351954
cov1_2_3_5_6_8_9	40.9948	-223.076	0.3681395	0	-0.23917758	0	0.002268569
cov1_3_5_6_8_9_10	40.9955	-223.076	0.3682707	0	-0.23760903	0	0
cov1_2_3_5_6_7_10	40.9968	-223.077	0.3692637	0	-0.24502453	0	0.002316779
cov1_2_3_5_6_8_10	41.0052	-223.081	0.3683793	0	-0.24025477	0	0.002595335
cov1_4_5_6_8_9_10	41.0223	-223.089	0.3720295	0	-0.25602758	0	0
cov1_2_4_6_7_8_10	41.0391	-223.098	0.3721225	0	-0.17849281	0	-0.047134489
cov1_2_4_6_7_8_9	41.049	-223.103	0.3718536	0	-0.17736571	0	-0.048120299
cov1_2_3_4_5_6_8	41.0531	-223.105	0.3693249	0	-0.23564236	0	-0.020279139
cov1_2_3_4_5_6_7	41.0597	-223.108	0.3701642	0	-0.24110794	0	-0.019851749
cov1_2_3_4_6_8_9	41.0663	-223.111	0.3661053	0	-0.16435468	0	-0.034749288
cov1_2_5_6_7_9_10	41.073	-223.115	0.3722104	0	-0.26181972	0	0.000697535
cov1_2_3_4_6_8_10	41.0748	-223.116	0.3664536	0	-0.16549553	0	-0.034375636
cov1_2_4_5_6_9_10	41.0752	-223.116	0.371947	0	-0.22851257	0	-0.027997657
cov1_4_6_7_9_10_11	41.0764	-223.116	0.3740161	0	-0.22893017	0	0
cov1_2_3_4_6_7_9	41.1103	-223.133	0.3666949	0	-0.16485228	0	-0.035548959
cov1_2_3_4_6_7_10	41.1172	-223.137	0.3670541	0	-0.16603077	0	-0.035150287
cov1_2_5_6_8_9_10	41.1294	-223.143	0.372088	0	-0.26097689	0	0.000627742
cov1_4_6_8_9_10_11	41.1374	-223.147	0.3738395	0	-0.22788471	0	0
cov1_2_3_4_6_9_10	41.1641	-223.16	0.3688133	0	-0.16822997	0	-0.037743609
cov1_2_3_6_8_9_11	41.178	-223.167	0.3637159	0	-0.1789399	0	0.003489792
cov1_3_6_8_9_10_11	41.178	-223.167	0.3639434	0	-0.17640927	0	0
cov1_2_3_4_6_7_8	41.1842	-223.17	0.3661704	0	-0.17390469	0	-0.042665019
cov1_2_3_6_8_10_11	41.2049	-223.181	0.3640754	0	-0.1800726	0	0.00414221
cov1_3_6_7_9_10_11	41.2278	-223.192	0.3645252	0	-0.17718969	0	0
cov1_2_3_6_7_9_11	41.2287	-223.193	0.3642834	0	-0.17963193	0	0.00339999
cov1_3_4_6_8_9_10	41.2437	-223.2	0.3640203	0	-0.17932646	0	0
cov1_2_3_6_7_10_11	41.2544	-223.205	0.3646553	0	-0.18080124	0	0.004071941
cov1_3_4_6_7_9_10	41.2948	-223.226	0.3645751	0	-0.18013224	0	0

cov1_2_3_6_9_10_11	41.306	-223.231	0.3666044	0	-0.18425817	0	0.003329589
cov1_4_6_7_8_9_10	41.3997	-223.278	0.370299	0	-0.20162287	0	0
cov1_2_4_6_7_9_10	41.4283	-223.292	0.3722195	0	-0.17247898	0	-0.047679939
cov1_2_4_6_8_9_10	41.4526	-223.305	0.372134	0	-0.17210181	0	-0.048152847
cov1_2_3_6_7_8_11	41.565	-223.361	0.3626378	0	-0.18813341	0	0.002053916
cov1_2_3_6_7_8_9	41.5811	-223.369	0.3603614	0	-0.15559528	0	0.008153482
cov1_3_6_7_8_9_10	41.5884	-223.372	0.3607806	0	-0.1493534	0	0
cov1_2_3_6_7_8_10	41.5935	-223.375	0.3607915	0	-0.15704803	0	0.00882252
cov1_2_4_5_7_8_11	41.6398	-223.398	0.3793302	0	-0.19320905	0	-0.028920976
cov1_3_4_5_7_8_11	41.6606	-223.409	0.3753029	0	-0.19697883	0	0
cov1_4_5_7_8_9_11	41.7015	-223.429	0.3781412	0	-0.20443841	0	0
cov1_4_5_7_8_10_11	41.7046	-223.431	0.3782232	0	-0.20471195	0	0
cov1_3_5_7_8_9_11	41.7377	-223.447	0.3754787	0	-0.19001832	0	0
cov1_3_5_7_8_10_11	41.7434	-223.45	0.3755816	0	-0.19098846	0	0
cov1_2_3_5_7_8_11	41.7711	-223.464	0.3757432	0	-0.19870295	0	-0.001659666
cov1_2_3_4_5_9_11	41.7825	-223.469	0.3743856	0	-0.15248329	0	-0.027820854
cov1_2_3_4_5_10_11	41.7893	-223.473	0.3744859	0	-0.15342653	0	-0.02771412
cov1_2_3_4_5_7_11	41.8031	-223.48	0.376412	0	-0.17590531	0	-0.027343097
cov1_2_5_7_8_9_11	41.818	-223.487	0.3785533	0	-0.20676631	0	-0.002350163
cov1_5_7_8_9_10_11	41.8192	-223.488	0.3784516	0	-0.20853661	0	0
cov1_2_3_4_5_8_11	41.8218	-223.489	0.3756714	0	-0.17096183	0	-0.027603949
cov1_2_5_7_8_10_11	41.8224	-223.489	0.3786256	0	-0.20743619	0	-0.002228522
cov1_2_4_5_7_9_11	41.8279	-223.492	0.3790834	0	-0.18013273	0	-0.029057543
cov1_2_4_5_7_10_11	41.8323	-223.494	0.37917	0	-0.18068559	0	-0.028906867
cov1_3_4_5_7_9_11	41.8517	-223.504	0.3750908	0	-0.1845829	0	0
cov1_3_4_5_7_10_11	41.8569	-223.507	0.3752129	0	-0.18534051	0	0
cov1_3_4_5_8_9_11	41.8731	-223.515	0.3743334	0	-0.17993601	0	0
cov1_3_4_5_8_10_11	41.8786	-223.518	0.3744547	0	-0.18073039	0	0
cov1_2_4_5_8_9_11	41.8827	-223.52	0.378943	0	-0.1784914	0	-0.029771456
cov1_3_4_5_9_10_11	41.8857	-223.521	0.3731429	0	-0.1729902	0	0
cov1_2_4_5_8_10_11	41.8872	-223.522	0.3790284	0	-0.17903786	0	-0.029621648
cov1_2_3_6_8_9_10	41.9057	-223.531	0.3602207	0	-0.15043536	0	0.008463867
cov1_4_5_7_9_10_11	41.9409	-223.549	0.378229	0	-0.20384903	0	0
cov1_3_5_7_9_10_11	41.9759	-223.566	0.3754742	0	-0.1894817	0	0
cov1_2_3_5_7_9_11	41.9765	-223.566	0.375571	0	-0.18871729	0	-0.00096639
cov1_2_3_6_7_9_10	41.9795	-223.568	0.360723	0	-0.15047472	0	0.008478954
cov1_2_3_5_7_10_11	41.9826	-223.57	0.375675	0	-0.18976753	0	-0.000878419
cov1_4_5_8_9_10_11	42.0014	-223.579	0.3780642	0	-0.20276745	0	0
cov1_3_5_8_9_10_11	42.0051	-223.581	0.3747074	0	-0.18490877	0	0
cov1_2_3_5_8_9_11	42.006	-223.581	0.3747944	0	-0.18432167	0	-0.000650115
cov1_2_3_5_8_10_11	42.0124	-223.584	0.3748974	0	-0.185408	0	-0.000568433
cov1_2_3_4_7_8_11	42.0131	-223.585	0.3726935	0	-0.1107233	0	-0.048567392
cov1_6_7_8_9_10_11	42.0289	-223.593	0.3725854	0	-0.1904696	0	0
cov1_2_3_5_9_10_11	42.0331	-223.595	0.3729708	0	-0.17466003	0	-7.27E-05
cov1_2_6_7_8_10_11	42.0476	-223.602	0.3726826	0	-0.19297503	0	0.002767082
cov1_2_3_4_8_9_11	42.0495	-223.603	0.372464	0	-0.1014093	0	-0.043310353
cov1_2_3_4_8_10_11	42.0588	-223.608	0.3726586	0	-0.10222935	0	-0.043137329



cov1_2_5_7_9_10_11	42.0588	-223.608	0.3786275	0	-0.20632209	0	-0.002485094
cov1_2_3_4_7_9_11	42.0655	-223.611	0.3729756	0	-0.10234088	0	-0.044028207
cov1_2_6_7_8_9_11	42.0672	-223.612	0.372309	0	-0.19150748	0	0.001699916
cov1_2_3_4_7_10_11	42.0744	-223.615	0.3731782	0	-0.10316868	0	-0.043835936
cov1_2_3_4_9_10_11	42.0752	-223.616	0.3738971	0	-0.10405537	0	-0.04511069
cov1_3_4_7_8_9_11	42.1261	-223.641	0.3698062	0	-0.11886621	0	0
cov1_2_5_8_9_10_11	42.1267	-223.642	0.3784675	0	-0.20535865	0	-0.00246966
cov1_3_4_7_8_10_11	42.1313	-223.644	0.3700625	0	-0.11959525	0	0
cov1_2_4_7_8_10_11	42.1715	-223.664	0.3785002	0	-0.11034499	0	-0.056319968
cov1_2_4_7_8_9_11	42.1726	-223.665	0.3783343	0	-0.10966827	0	-0.056966487
cov1_2_4_5_9_10_11	42.1949	-223.676	0.3772692	0	-0.16097456	0	-0.037397776
cov1_3_4_8_9_10_11	42.3324	-223.744	0.3694973	0	-0.11728805	0	0
cov1_3_4_7_9_10_11	42.3573	-223.757	0.3699658	0	-0.118461	0	0
cov1_2_4_7_9_10_11	42.3999	-223.778	0.3784891	0	-0.10929535	0	-0.056668649
cov1_2_4_8_9_10_11	42.4384	-223.797	0.3783647	0	-0.10873047	0	-0.056958184
cov1_2_6_7_9_10_11	42.4555	-223.806	0.3727141	0	-0.18639788	0	0.002416125
cov1_2_6_8_9_10_11	42.5368	-223.847	0.3725162	0	-0.18489935	0	0.002438072
cov1_3_4_5_7_8_9	42.6724	-223.914	0.3708926	0	-0.13524685	0	0
cov1_3_4_5_7_8_10	42.6735	-223.915	0.3710266	0	-0.13559684	0	0
cov1_2_3_4_5_7_8	42.6814	-223.919	0.3718406	0	-0.13232971	0	-0.019730539
cov1_4_7_8_9_10_11	42.6856	-223.921	0.3760748	0	-0.13445781	0	0
cov1_2_4_5_7_8_10	42.7047	-223.931	0.3747514	0	-0.13648999	0	-0.021389903
cov1_2_4_5_7_8_9	42.7052	-223.931	0.3746615	0	-0.13642942	0	-0.021554979
cov1_2_6_7_8_9_10	42.7609	-223.959	0.3687114	0	-0.16308249	0	0.007228816
cov1_4_5_7_8_9_10	42.7656	-223.961	0.3741641	0	-0.15465051	0	0
cov1_2_3_5_7_8_9	42.8243	-223.99	0.371057	0	-0.14344887	0	0.005340561
cov1_2_3_5_7_8_10	42.8268	-223.992	0.3711716	0	-0.14409104	0	0.005491625
cov1_3_5_7_8_9_10	42.8307	-223.994	0.3712998	0	-0.13969075	0	0
cov1_2_3_4_5_8_9	42.835	-223.996	0.3710163	0	-0.11490771	0	-0.020279563
cov1_2_3_4_5_8_10	42.8373	-223.997	0.3711515	0	-0.11549539	0	-0.020147367
cov1_2_3_4_5_7_9	42.843	-224	0.3716445	0	-0.11872782	0	-0.019963426
cov1_2_3_4_5_9_10	42.8432	-224	0.3719286	0	-0.12020568	0	-0.019786484
cov1_2_3_4_5_7_10	42.845	-224.001	0.3717812	0	-0.11928073	0	-0.019828761
cov1_3_4_5_8_9_10	42.8896	-224.023	0.3703583	0	-0.13114479	0	0
cov1_3_4_5_7_9_10	42.8957	-224.026	0.3710094	0	-0.13472686	0	0
cov1_2_3_4_7_8_9	42.9147	-224.036	0.3684957	0	-0.0601639	0	-0.036034405
cov1_2_3_4_7_8_10	42.9152	-224.036	0.3687323	0	-0.061021949	0	-0.035742874
cov1_2_5_7_8_9_10	42.9155	-224.036	0.3743031	0	-0.16156362	0	0.003944571
cov1_2_4_5_7_9_10	42.9277	-224.042	0.3748347	0	-0.13572584	0	-0.021792112
cov1_2_4_5_8_9_10	42.954	-224.055	0.3747344	0	-0.13476106	0	-0.02252802
cov2_3_4_5_6_8_9	42.9564	-224.056	0.3634307	0	0	0	-0.078946715
cov1_2_3_7_8_9_11	42.9765	-224.066	0.3661073	0	-0.079076957	0	0.006457231
cov1_3_7_8_9_10_11	42.9846	-224.071	0.3664288	0	-0.074010854	0	0
cov1_2_3_7_8_10_11	42.9915	-224.074	0.3663815	0	-0.08016081	0	0.006944023
cov2_3_4_5_6_8_10	42.9922	-224.074	0.3638839	0	0	0	-0.07899611
cov2_3_4_5_6_7_9	43.0421	-224.099	0.364	0	0	0	-0.079524845
cov1_2_3_5_7_9_10	43.05	-224.103	0.3711501	0	-0.14299005	0	0.005279062

cov1_2_3_5_8_9_10	43.051	-224.104	0.3704835	0	-0.13957463	0	0.005479065
cov2_3_4_5_6_7_10	43.077	-224.117	0.364457	0	0	0	-0.079566865
cov1_2_3_4_8_9_10	43.0916	-224.124	0.3682722	0	-0.059746575	0	-0.035441865
cov2_3_4_5_6_9_11	43.0946	-224.126	0.3714178	0	0	0	-0.096909713
cov1_3_4_7_8_9_10	43.1071	-224.132	0.3663008	0	-0.075373689	0	0
cov2_3_4_5_8_9_11	43.1206	-224.139	0.3684106	0	0	0	-0.075792188
cov1_2_3_4_7_9_10	43.13	-224.143	0.3687074	0	-0.060156451	0	-0.03600725
cov2_3_4_5_6_10_11	43.1343	-224.145	0.3718254	0	0	0	-0.096649625
cov2_3_4_5_8_10_11	43.1513	-224.154	0.3686878	0	0	0	-0.075978305
cov1_2_3_8_9_10_11	43.1663	-224.161	0.3658188	0	-0.078066746	0	0.006578704
cov2_3_4_5_7_9_11	43.1742	-224.165	0.3688605	0	0	0	-0.076758663
cov2_3_4_5_7_10_11	43.2049	-224.181	0.3691447	0	0	0	-0.076934162
cov1_2_3_7_9_10_11	43.2102	-224.183	0.3662449	0	-0.078638573	0	0.006523287
cov1_2_4_7_8_9_10	43.2541	-224.205	0.374109	0	-0.067168903	0	-0.048613094
cov2_3_4_5_9_10_11	43.3784	-224.267	0.37281	0	0	0	-0.085067508
cov2_3_4_7_8_9_11	43.3921	-224.274	0.3698255	0	0	0	-0.080325709
cov2_3_4_7_8_10_11	43.4376	-224.297	0.3700952	0	0	0	-0.080783513
cov2_3_4_5_6_9_10	43.4432	-224.3	0.3699067	0	0	0	-0.087471418
cov2_3_4_6_7_8_9	43.4486	-224.302	0.3675496	0	0	0	-0.079367495
cov2_3_4_5_7_8_9	43.4579	-224.307	0.3669759	0	0	0	-0.061816896
cov2_3_4_5_7_8_10	43.4743	-224.315	0.3672566	0	0	0	-0.06204851
cov2_3_4_6_7_8_10	43.4967	-224.327	0.3679508	0	0	0	-0.079594307
cov2_3_4_5_7_8_11	43.5062	-224.331	0.3680528	0	0	0	-0.090384372
cov2_3_4_5_6_8_11	43.5089	-224.333	0.365871	0	0	0	-0.098281596
cov2_3_4_6_8_9_11	43.5184	-224.337	0.3687693	0	0	0	-0.083266156
cov2_3_4_6_7_9_11	43.5641	-224.36	0.3692625	0	0	0	-0.08406247
cov2_3_4_8_9_10_11	43.5646	-224.361	0.3694014	0	0	0	-0.079456687
cov2_3_4_6_8_10_11	43.5722	-224.364	0.3691169	0	0	0	-0.083420206
cov2_3_4_5_6_7_8	43.5992	-224.378	0.3642968	0	0	0	-0.091314411
cov2_3_4_5_6_7_11	43.6032	-224.38	0.3664397	0	0	0	-0.09898344
cov2_3_4_7_9_10_11	43.6066	-224.382	0.369857	0	0	0	-0.080383878
cov2_3_4_5_8_9_10	43.6135	-224.385	0.3667112	0	0	0	-0.060882781
cov2_3_4_6_7_10_11	43.6178	-224.387	0.3696159	0	0	0	-0.084199868
cov2_3_4_7_8_9_10	43.6239	-224.39	0.3681543	0	0	0	-0.068043689
cov2_3_4_6_8_9_10	43.6345	-224.395	0.3672121	0	0	0	-0.077913845
cov2_3_4_5_7_9_10	43.6694	-224.413	0.3671676	0	0	0	-0.061776219
cov2_4_5_6_7_8_9	43.6721	-224.414	0.3736354	0	0	0	-0.10403483
cov2_4_5_6_7_8_10	43.6858	-224.421	0.3740255	0	0	0	-0.10356004
cov2_3_4_6_7_9_10	43.6873	-224.422	0.3676733	0	0	0	-0.078530012
cov2_3_4_6_9_10_11	43.702	-224.429	0.3725233	0	0	0	-0.090052834
cov2_4_5_7_8_9_11	43.7164	-224.436	0.3768821	0	0	0	-0.10074741
cov2_4_5_6_7_9_11	43.7279	-224.442	0.3758518	0	0	0	-0.11137709
cov2_4_5_7_8_10_11	43.7339	-224.445	0.3771703	0	0	0	-0.1003781
cov2_4_5_6_8_9_11	43.7439	-224.45	0.3757269	0	0	0	-0.11151673
cov2_4_5_6_7_10_11	43.7511	-224.454	0.3762186	0	0	0	-0.11077378
cov2_4_5_6_9_10_11	43.7538	-224.455	0.3753751	0	0	0	-0.11154292
cov2_4_5_6_8_10_11	43.7668	-224.462	0.3760889	0	0	0	-0.11093461

cov2_3_6_7_8_9_11	43.8007	-224.479	0.3645264	0	0	0	-0.049617884
cov2_3_5_6_7_8_9	43.8283	-224.492	0.3606035	0	0	0	-0.035700519
cov2_3_5_6_8_9_11	43.8525	-224.504	0.3616554	0	0	0	-0.038963797
cov2_3_6_7_8_10_11	43.865	-224.511	0.3648963	0	0	0	-0.049319788
cov3_4_5_6_7_8_9	43.8713	-224.514	0.3579208	0	0	0	0
cov2_3_5_6_7_8_10	43.883	-224.52	0.3610572	0	0	0	-0.035416864
cov3_4_5_6_7_8_10	43.9068	-224.532	0.3584501	0	0	0	0
cov2_3_4_6_7_8_11	43.912	-224.534	0.368877	0	0	0	-0.094323597
cov2_3_5_6_8_10_11	43.9168	-224.537	0.3620721	0	0	0	-0.038602433
cov2_3_6_7_8_9_10	43.919	-224.538	0.3629673	0	0	0	-0.044069467
cov2_4_5_6_7_9_10	43.9236	-224.54	0.3739298	0	0	0	-0.10231181
cov2_4_5_7_9_10_11	43.9274	-224.542	0.3770526	0	0	0	-0.10021908
cov2_4_5_6_8_9_10	43.9302	-224.543	0.3738353	0	0	0	-0.10266471
cov2_3_5_6_7_9_11	43.9316	-224.544	0.362251	0	0	0	-0.039612411
cov3_4_5_6_8_9_11	43.9401	-224.548	0.3584492	0	0	0	0
cov2_4_6_7_8_9_11	43.9427	-224.55	0.3763774	0	0	0	-0.10450707
cov2_4_5_8_9_10_11	43.9465	-224.551	0.3769443	0	0	0	-0.10027314
cov2_3_5_7_8_9_11	43.9635	-224.56	0.3648466	0	0	0	-0.033756744
cov1_2_3_7_8_9_10	43.9694	-224.563	0.3622318	0	-0.039234589	0	0.012406566
cov2_3_7_8_9_10_11	43.9703	-224.563	0.3652469	0	0	0	-0.03690362
cov2_4_7_8_9_10_11	43.9719	-224.564	0.3768298	0	0	0	-0.10061353
cov3_4_5_7_8_9_11	43.9778	-224.567	0.3613685	0	0	0	0
cov3_4_5_6_8_10_11	43.9831	-224.57	0.3589524	0	0	0	0
cov2_4_6_7_8_10_11	43.9838	-224.57	0.3767163	0	0	0	-0.10409724
cov2_3_6_8_9_10_11	43.9848	-224.571	0.3641963	0	0	0	-0.048214616
cov2_3_5_6_7_10_11	43.9954	-224.576	0.3626673	0	0	0	-0.039244479
cov2_3_5_7_8_10_11	44.0106	-224.584	0.3651131	0	0	0	-0.033654192
cov3_4_5_7_8_10_11	44.0107	-224.584	0.3617398	0	0	0	0
cov2_3_5_6_8_9_10	44.0171	-224.587	0.3603954	0	0	0	-0.034316188
cov3_4_5_6_8_9_10	44.024	-224.59	0.3579327	0	0	0	0
cov3_4_5_6_7_9_11	44.0367	-224.597	0.3589608	0	0	0	0
cov2_4_6_7_8_9_10	44.0405	-224.598	0.3749322	0	0	0	-0.098924845
cov2_3_6_7_9_10_11	44.0481	-224.602	0.3646285	0	0	0	-0.048309352
cov2_4_5_7_8_9_10	44.0614	-224.609	0.3746538	0	0	0	-0.085228663
cov3_5_6_7_8_9_11	44.0617	-224.609	0.3587297	0	0	0	0
cov3_4_5_6_7_10_11	44.0787	-224.618	0.3594664	0	0	0	0
cov2_3_5_6_7_9_10	44.1013	-224.629	0.3609766	0	0	0	-0.034879995
cov3_4_5_8_9_10_11	44.1145	-224.635	0.3612391	0	0	0	0
cov3_5_6_7_8_10_11	44.1174	-224.637	0.3592264	0	0	0	0
cov3_4_5_6_7_9_10	44.1228	-224.64	0.3584439	0	0	0	0
cov2_3_5_8_9_10_11	44.1258	-224.641	0.3644817	0	0	0	-0.032857465
cov3_5_6_7_8_9_10	44.1478	-224.652	0.3581578	0	0	0	0
cov2_4_6_7_9_10_11	44.1678	-224.662	0.3765914	0	0	0	-0.10351936
cov3_4_5_7_8_9_10	44.1711	-224.664	0.361326	0	0	0	0
cov2_3_5_7_9_10_11	44.185	-224.671	0.3649343	0	0	0	-0.033674719
cov2_4_6_8_9_10_11	44.1883	-224.672	0.3764662	0	0	0	-0.1036085
cov3_4_5_7_9_10_11	44.192	-224.674	0.3615902	0	0	0	0

cov3_5_6_8_9_10_11	44.2243	-224.69	0.3586773	0	0	0	0
cov3_5_7_8_9_10_11	44.2521	-224.704	0.3616112	0	0	0	0
cov2_3_5_7_8_9_10	44.2754	-224.716	0.3638078	0	0	0	-0.025547223
cov2_3_5_6_9_10_11	44.2982	-224.727	0.3681253	0	0	0	-0.047554826
cov3_5_6_7_9_10_11	44.315	-224.736	0.3592059	0	0	0	0
cov1_2_7_8_9_10_11	44.3532	-224.755	0.3751413	0	-0.081862898	0	0.005421741
cov3_4_7_8_9_10_11	44.5169	-224.837	0.3622667	0	0	0	0
cov3_4_6_7_8_9_11	44.5171	-224.837	0.3622846	0	0	0	0
cov3_6_7_8_9_10_11	44.5187	-224.838	0.3624701	0	0	0	0
cov3_4_6_7_8_9_10	44.5314	-224.844	0.3619441	0	0	0	0
cov3_4_6_7_8_10_11	44.5729	-224.865	0.3627245	0	0	0	0
cov2_3_5_6_7_8_11	44.6285	-224.892	0.362301	0	0	0	-0.049362111
cov3_4_6_8_9_10_11	44.6636	-224.91	0.3621517	0	0	0	0
cov2_4_5_6_7_8_11	44.6658	-224.911	0.3781357	0	0	0	-0.12900785
cov3_4_5_6_9_10_11	44.67	-224.913	0.3660225	0	0	0	0
cov3_4_6_7_9_10_11	44.7291	-224.943	0.3625662	0	0	0	0
cov3_4_5_6_7_8_11	45.012	-225.084	0.3584354	0	0	0	0
cov2_5_6_7_8_9_11	45.1889	-225.173	0.3739569	0	0	0	-0.058187888
cov2_6_7_8_9_10_11	45.2252	-225.191	0.3734866	0	0	0	-0.052961964
cov2_5_6_7_8_10_11	45.2285	-225.192	0.3743404	0	0	0	-0.057312775
cov2_5_7_8_9_10_11	45.2449	-225.201	0.3748204	0	0	0	-0.053599534
cov2_5_6_7_8_9_10	45.2508	-225.204	0.3728565	0	0	0	-0.054122035
cov2_5_6_7_9_10_11	45.4203	-225.288	0.3742604	0	0	0	-0.056927409
cov2_5_6_8_9_10_11	45.4581	-225.307	0.3741118	0	0	0	-0.056690215
cov4_5_7_8_9_10_11	45.6891	-225.423	0.3710727	0	0	0	0
cov4_5_6_7_8_9_10	45.6939	-225.425	0.3706098	0	0	0	0
cov4_5_6_7_8_10_11	45.7206	-225.439	0.3711536	0	0	0	0
cov4_5_6_7_8_9_11	45.7312	-225.444	0.3707177	0	0	0	0
cov4_5_6_7_9_10_11	45.9084	-225.532	0.3711464	0	0	0	0
cov4_6_7_8_9_10_11	45.921	-225.539	0.37172	0	0	0	0
cov4_5_6_8_9_10_11	45.9297	-225.543	0.3710111	0	0	0	0
cov5_6_7_8_9_10_11	46.0298	-225.593	0.3713431	0	0	0	0
cov1_3_5_6_7_8_9_11	46.7618	-222.449	0.3729111	0	-0.2866907	0	0
cov1_4_5_6_7_8_9_11	46.7671	-222.452	0.3756929	0	-0.3007171	0	0
cov1_4_5_6_7_8_10_11	46.7763	-222.456	0.3758525	0	-0.3008782	0	0
cov1_3_5_6_7_8_10_11	46.7768	-222.457	0.3731357	0	-0.28769271	0	0
cov1_2_5_6_7_8_9_11	46.8345	-222.485	0.3759934	0	-0.30157292	0	-0.004762868
cov1_5_6_7_8_9_10_11	46.8395	-222.488	0.3758406	0	-0.30470202	0	0
cov1_2_5_6_7_8_10_11	46.8468	-222.492	0.3761404	0	-0.30224825	0	-0.004430169
cov1_2_4_5_6_7_8_11	46.8583	-222.497	0.377246	0	-0.29728076	0	-0.027879133
cov1_3_4_5_6_7_8_11	46.8724	-222.504	0.3732564	0	-0.30042903	0	0
cov1_2_3_5_6_7_8_11	46.926	-222.531	0.3736223	0	-0.30057444	0	-0.004922924
cov1_2_3_4_5_6_9_11	47.0387	-222.587	0.3718275	0	-0.24259816	0	-0.026857987
cov1_2_3_4_5_6_10_11	47.0551	-222.596	0.3720132	0	-0.2434957	0	-0.026637712
cov1_2_4_5_6_7_9_11	47.0698	-222.603	0.3767492	0	-0.27221933	0	-0.027947527
cov1_2_4_5_6_7_10_11	47.0812	-222.609	0.3769062	0	-0.27274324	0	-0.027652619
cov1_3_4_5_6_7_9_11	47.0897	-222.613	0.372852	0	-0.27627784	0	0

cov1_3_4_5_6_7_10_11	47.1028	-222.62	0.3730856	0	-0.27708129	0	0
cov1_3_4_5_6_8_9_11	47.1207	-222.628	0.3718777	0	-0.27001165	0	0
cov1_3_4_5_6_8_10_11	47.1346	-222.635	0.3721108	0	-0.27084711	0	0
cov1_3_4_5_6_9_10_11	47.1353	-222.636	0.370632	0	-0.26238666	0	0
cov1_2_4_5_6_8_9_11	47.144	-222.64	0.376578	0	-0.26962704	0	-0.028852617
cov1_2_4_5_6_8_10_11	47.1554	-222.646	0.3767354	0	-0.27014734	0	-0.028557818
cov1_2_3_5_6_7_9_11	47.1677	-222.652	0.3732326	0	-0.27905373	0	-0.003334037
cov1_3_4_6_7_8_9_11	47.1683	-222.652	0.3676809	0	-0.21812746	0	0
cov1_3_5_6_7_9_10_11	47.1702	-222.653	0.3730703	0	-0.28108971	0	0
cov1_4_5_6_7_9_10_11	47.1738	-222.655	0.3759274	0	-0.29505076	0	0
cov1_3_4_6_7_8_10_11	47.1806	-222.658	0.3680526	0	-0.21900337	0	0
cov1_2_3_5_6_7_10_11	47.1833	-222.66	0.3734458	0	-0.28025226	0	-0.003056803
cov1_2_3_4_5_6_7_11	47.1863	-222.661	0.3744588	0	-0.27441491	0	-0.026440061
cov1_2_3_5_6_8_9_11	47.2077	-222.672	0.3722338	0	-0.27313142	0	-0.002923018
cov1_3_5_6_8_9_10_11	47.2096	-222.673	0.3720834	0	-0.27494724	0	0
cov1_2_3_4_5_6_8_11	47.2123	-222.674	0.3735084	0	-0.26783691	0	-0.026777728
cov1_2_4_6_7_8_9_11	47.2174	-222.677	0.375976	0	-0.20947846	0	-0.054922423
cov1_2_4_6_7_8_10_11	47.221	-222.679	0.3762129	0	-0.21036103	0	-0.054071241
cov1_2_3_5_6_8_10_11	47.2241	-222.68	0.3724463	0	-0.27435943	0	-0.002654225
cov1_2_3_5_6_9_10_11	47.2359	-222.686	0.3704288	0	-0.2633354	0	-0.002277384
cov1_2_5_6_7_9_10_11	47.2456	-222.691	0.3762212	0	-0.29620492	0	-0.004715864
cov1_4_5_6_8_9_10_11	47.255	-222.696	0.3757287	0	-0.29314573	0	0
cov1_2_3_4_6_8_9_11	47.2787	-222.707	0.3701716	0	-0.19543819	0	-0.041558942
cov1_2_3_4_6_7_9_11	47.2948	-222.716	0.3708539	0	-0.19672589	0	-0.042503719
cov1_2_3_4_6_9_10_11	47.2965	-222.716	0.3714434	0	-0.19799	0	-0.04300482
cov1_2_3_4_6_8_10_11	47.2969	-222.717	0.3704713	0	-0.19637598	0	-0.041268246
cov1_2_3_4_6_7_10_11	47.312	-222.724	0.3711634	0	-0.19768982	0	-0.042187137
cov1_2_3_4_6_7_8_11	47.3148	-222.726	0.3704676	0	-0.20658835	0	-0.049413156
cov1_2_5_6_8_9_10_11	47.3346	-222.735	0.3760214	0	-0.29447279	0	-0.004680971
cov1_2_4_5_6_9_10_11	47.4833	-222.81	0.3748447	0	-0.25047619	0	-0.036749882
cov1_3_4_5_6_7_8_9	47.5062	-222.821	0.3687513	0	-0.24336236	0	0
cov1_3_4_5_6_7_8_10	47.5126	-222.824	0.3690123	0	-0.24399435	0	0
cov1_2_4_5_6_7_8_9	47.5351	-222.836	0.3724056	0	-0.24441959	0	-0.021085051
cov1_3_4_6_8_9_10_11	47.5379	-222.837	0.3673556	0	-0.21126625	0	0
cov1_2_4_5_6_7_8_10	47.5386	-222.837	0.3725798	0	-0.24469399	0	-0.02077772
cov1_3_4_6_7_9_10_11	47.5649	-222.851	0.3679843	0	-0.212833	0	0
cov1_4_5_6_7_8_9_10	47.591	-222.864	0.3719275	0	-0.26220435	0	0
cov1_2_3_5_6_7_8_9	47.6035	-222.87	0.3688401	0	-0.24945198	0	0.001959033
cov1_3_5_6_7_8_9_10	47.6036	-222.87	0.3689688	0	-0.24808178	0	0
cov1_2_4_6_7_9_10_11	47.609	-222.873	0.3762711	0	-0.20420487	0	-0.05466823
cov1_2_3_5_6_7_8_10	47.6127	-222.874	0.3690794	0	-0.25049643	0	0.00229337
cov1_2_4_6_8_9_10_11	47.6631	-222.9	0.3761145	0	-0.20304607	0	-0.05504902
cov1_2_3_4_5_6_7_8	47.6794	-222.908	0.3699699	0	-0.24691399	0	-0.019415435
cov1_2_5_6_7_8_9_10	47.6863	-222.911	0.3719688	0	-0.26703866	0	0.000699956
cov1_4_6_7_8_9_10_11	47.6889	-222.913	0.3738212	0	-0.23435135	0	0
cov1_2_3_4_6_7_8_9	47.7368	-222.937	0.3665012	0	-0.17031486	0	-0.035231695
cov1_2_3_4_6_7_8_10	47.7436	-222.94	0.3668586	0	-0.17149163	0	-0.034832793

cov1_3_6_7_8_9_10_11	47.8361	-222.986	0.3643821	0	-0.18301117	0	0
cov1_2_3_6_7_8_9_11	47.8371	-222.987	0.3641444	0	-0.18541524	0	0.003352684
cov1_2_3_4_5_6_8_9	47.8509	-222.994	0.3687656	0	-0.21652446	0	-0.020113102
cov1_2_3_4_5_6_9_10	47.8532	-222.995	0.3693983	0	-0.22001706	0	-0.019749139
cov1_2_3_4_5_6_7_9	47.854	-222.995	0.3696076	0	-0.22187371	0	-0.019682609
cov1_2_3_4_5_6_8_10	47.8598	-222.998	0.3690212	0	-0.21744652	0	-0.019866956
cov1_2_3_4_5_6_7_10	47.8618	-222.999	0.3698645	0	-0.22276873	0	-0.019432396
cov1_2_3_6_7_8_10_11	47.8626	-222.999	0.3645135	0	-0.18658221	0	0.004022053
cov1_3_4_5_6_8_9_10	47.9037	-223.02	0.3681321	0	-0.2326029	0	0
cov1_3_4_5_6_7_9_10	47.904	-223.02	0.3690051	0	-0.23765443	0	0
cov1_3_4_6_7_8_9_10	47.9179	-223.027	0.3644004	0	-0.18548154	0	0
cov1_2_4_5_6_7_9_10	47.932	-223.034	0.3727041	0	-0.23845023	0	-0.021412866
cov1_2_4_5_6_8_9_10	47.9748	-223.056	0.3726016	0	-0.23677477	0	-0.022346931
cov1_2_3_5_6_7_9_10	48.0067	-223.071	0.369072	0	-0.24396372	0	0.00208639
cov1_2_3_5_6_8_9_10	48.0144	-223.075	0.3681793	0	-0.23916619	0	0.002358911
cov1_2_4_6_7_8_9_10	48.0511	-223.094	0.3719954	0	-0.17793561	0	-0.047287868
cov1_2_3_4_6_8_9_10	48.0817	-223.109	0.3662463	0	-0.16472767	0	-0.034473362
cov1_2_3_4_6_7_9_10	48.1246	-223.13	0.3668506	0	-0.16527228	0	-0.035245833
cov1_2_3_6_8_9_10_11	48.1951	-223.166	0.3638264	0	-0.17918169	0	0.0036692
cov1_2_3_6_7_9_10_11	48.245	-223.191	0.3644082	0	-0.17991193	0	0.003601862
cov1_2_3_4_5_7_8_11	48.5832	-223.36	0.376354	0	-0.17625766	0	-0.027052449
cov1_2_3_6_7_8_9_10	48.5921	-223.364	0.3605668	0	-0.15615574	0	0.00844229
cov1_2_4_5_7_8_9_11	48.6109	-223.374	0.3789983	0	-0.18086855	0	-0.028756114
cov1_2_4_5_7_8_10_11	48.6151	-223.376	0.3790794	0	-0.18141534	0	-0.028613409
cov1_3_4_5_7_8_9_11	48.6345	-223.385	0.3750508	0	-0.18530125	0	0
cov1_3_4_5_7_8_10_11	48.6394	-223.388	0.3751671	0	-0.18604597	0	0
cov1_4_5_7_8_9_10_11	48.7216	-223.429	0.3781492	0	-0.20435333	0	0
cov1_3_5_7_8_9_10_11	48.757	-223.447	0.3754288	0	-0.19017644	0	0
cov1_2_3_5_7_8_9_11	48.7577	-223.447	0.3755238	0	-0.18944941	0	-0.000899114
cov1_2_3_5_7_8_10_11	48.7634	-223.45	0.3756224	0	-0.19047795	0	-0.000819487
cov1_2_3_4_5_7_9_11	48.7731	-223.455	0.3761489	0	-0.1638466	0	-0.027214347
cov1_2_3_4_5_7_10_11	48.7792	-223.458	0.376268	0	-0.16481101	0	-0.027096038
cov1_2_3_4_5_8_9_11	48.7926	-223.464	0.3754088	0	-0.15903639	0	-0.027478168
cov1_2_3_4_5_8_10_11	48.799	-223.468	0.3755271	0	-0.16003649	0	-0.027362137
cov1_2_3_4_5_9_10_11	48.8021	-223.469	0.3743589	0	-0.15266051	0	-0.027871136
cov1_2_5_7_8_9_10_11	48.838	-223.487	0.3785417	0	-0.20685624	0	-0.002404678
cov1_2_4_5_7_9_10_11	48.8481	-223.492	0.3790831	0	-0.18013536	0	-0.029058655
cov1_2_3_4_7_8_9_11	48.8543	-223.495	0.3729135	0	-0.102883	0	-0.043858382
cov1_2_3_4_7_8_10_11	48.8628	-223.5	0.3731107	0	-0.10369138	0	-0.043669027
cov1_3_4_5_7_9_10_11	48.8718	-223.504	0.3750767	0	-0.18463688	0	0
cov1_3_4_5_8_9_10_11	48.8931	-223.515	0.3743143	0	-0.1800095	0	0
cov1_2_4_5_8_9_10_11	48.9029	-223.52	0.3789431	0	-0.17849131	0	-0.029771496
cov1_2_3_5_7_9_10_11	48.9958	-223.566	0.3755266	0	-0.18880571	0	-0.001075947
cov1_2_3_5_8_9_10_11	49.0251	-223.581	0.3747449	0	-0.18442237	0	-0.000772787
cov1_2_6_7_8_9_10_11	49.0478	-223.592	0.372511	0	-0.19226412	0	0.002376488
cov1_2_3_4_8_9_10_11	49.0695	-223.603	0.3724945	0	-0.10145756	0	-0.043242649
cov1_2_3_4_7_9_10_11	49.0853	-223.611	0.373016	0	-0.10240531	0	-0.043938946

cov1_3_4_7_8_9_10_11	49.1439	-223.64	0.3699117	0	-0.11893911	0	0
cov1_2_4_7_8_9_10_11	49.1866	-223.661	0.378409	0	-0.10983211	0	-0.056443007
cov1_2_3_4_5_7_8_9	49.6407	-223.888	0.3715698	0	-0.11937289	0	-0.01965031
cov1_2_3_4_5_7_8_10	49.6425	-223.889	0.3717003	0	-0.11990041	0	-0.019520968
cov1_3_4_5_7_8_9_10	49.6918	-223.914	0.370942	0	-0.135124	0	0
cov2_3_4_5_6_8_9_11	49.6918	-223.914	0.3653371	0	0	0	-0.087730319
cov1_2_4_5_7_8_9_10	49.7237	-223.93	0.3747056	0	-0.13616265	0	-0.021462941
cov2_3_4_5_6_8_10_11	49.7385	-223.937	0.3657637	0	0	0	-0.087679406
cov2_3_4_5_6_7_9_11	49.7704	-223.953	0.3659272	0	0	0	-0.088431351
cov2_3_4_5_6_7_8_9	49.7752	-223.956	0.363714	0	0	0	-0.080504783
cov2_3_4_5_6_7_8_10	49.8108	-223.974	0.364174	0	0	0	-0.08054651
cov2_3_4_5_6_7_10_11	49.8165	-223.976	0.3663572	0	0	0	-0.088370723
cov1_2_3_5_7_8_9_10	49.8443	-223.99	0.3710751	0	-0.14343508	0	0.005378907
cov1_2_3_4_5_8_9_10	49.8548	-223.995	0.3710509	0	-0.11485081	0	-0.020239075
cov1_2_3_4_5_7_9_10	49.8626	-223.999	0.3716928	0	-0.11869189	0	-0.01989843
cov1_2_3_4_7_8_9_10	49.9313	-224.034	0.3686182	0	-0.060439217	0	-0.035797749
cov2_3_4_5_6_8_9_10	49.9735	-224.055	0.3635274	0	0	0	-0.078808472
cov2_3_4_5_7_8_9_11	49.9751	-224.056	0.3687816	0	0	0	-0.07676094
cov1_2_3_7_8_9_10_11	49.9948	-224.066	0.3661937	0	-0.079226749	0	0.006596817
cov2_3_4_5_7_8_10_11	50.0054	-224.071	0.3690619	0	0	0	-0.076936824
cov2_3_4_5_6_7_9_10	50.0587	-224.097	0.3641033	0	0	0	-0.079379639
cov2_3_4_5_6_9_10_11	50.1091	-224.123	0.3714936	0	0	0	-0.096616291
cov2_3_4_5_8_9_10_11	50.1404	-224.138	0.368442	0	0	0	-0.07572808
cov2_3_4_5_7_9_10_11	50.1939	-224.165	0.3688982	0	0	0	-0.076682146
cov2_3_4_6_7_8_9_11	50.3536	-224.245	0.3690729	0	0	0	-0.084721685
cov2_3_4_5_6_7_8_11	50.3556	-224.246	0.366148	0	0	0	-0.09990369
cov2_3_4_6_7_8_10_11	50.408	-224.272	0.3694264	0	0	0	-0.084863561
cov2_3_4_7_8_9_10_11	50.4117	-224.274	0.3697783	0	0	0	-0.080405191
cov2_3_4_6_7_8_9_10	50.4686	-224.302	0.367528	0	0	0	-0.079393414
cov2_3_4_5_7_8_9_10	50.4763	-224.306	0.3670528	0	0	0	-0.061694096
cov2_4_5_6_7_8_9_11	50.4866	-224.311	0.3756617	0	0	0	-0.11243153
cov2_4_5_6_7_8_10_11	50.51	-224.323	0.3760207	0	0	0	-0.11181556
cov2_3_4_6_8_9_10_11	50.5376	-224.337	0.3687085	0	0	0	-0.083372301
cov2_3_4_6_7_9_10_11	50.5836	-224.36	0.3692109	0	0	0	-0.084153528
cov2_4_5_6_7_8_9_10	50.6758	-224.406	0.3737581	0	0	0	-0.10350051
cov2_3_5_6_7_8_9_11	50.6832	-224.41	0.3619168	0	0	0	-0.040232955
cov2_4_5_7_8_9_10_11	50.728	-224.432	0.3769693	0	0	0	-0.10021574
cov2_4_5_6_7_9_10_11	50.7352	-224.436	0.3759542	0	0	0	-0.11084079
cov2_3_5_6_7_8_10_11	50.7478	-224.442	0.3623387	0	0	0	-0.039855034
cov2_4_5_6_8_9_10_11	50.7512	-224.444	0.375822	0	0	0	-0.11098325
cov3_4_5_6_7_8_9_11	50.8017	-224.469	0.3585936	0	0	0	0
cov2_3_6_7_8_9_10_11	50.8208	-224.479	0.3645069	0	0	0	-0.049636276
cov3_4_5_6_7_8_10_11	50.8442	-224.49	0.3591034	0	0	0	0
cov2_3_5_6_7_8_9_10	50.8472	-224.492	0.3606611	0	0	0	-0.035578175
cov2_3_5_6_8_9_10_11	50.8724	-224.504	0.361679	0	0	0	-0.038902874
cov3_4_5_6_7_8_9_10	50.8826	-224.509	0.3580925	0	0	0	0
cov2_3_5_6_7_9_10_11	50.9514	-224.544	0.3622774	0	0	0	-0.039544284

cov3_4_5_6_8_9_10_11	50.9537	-224.545	0.3585928	0	0	0	0
cov2_4_6_7_8_9_10_11	50.9606	-224.548	0.3764235	0	0	0	-0.10423164
cov2_3_5_7_8_9_10_11	50.9836	-224.56	0.3648551	0	0	0	-0.033735278
cov3_4_5_7_8_9_10_11	50.9933	-224.565	0.3615057	0	0	0	0
cov3_4_5_6_7_9_10_11	51.0497	-224.593	0.3591085	0	0	0	0
cov3_5_6_7_8_9_10_11	51.0785	-224.607	0.3588337	0	0	0	0
cov3_4_6_7_8_9_10_11	51.5369	-224.837	0.3623252	0	0	0	0
cov2_5_6_7_8_9_10_11	52.1975	-225.167	0.374042	0	0	0	-0.057653851
cov4_5_6_7_8_9_10_11	52.7074	-225.422	0.3709081	0	0	0	0
cov1_2_4_5_6_7_8_9_11	53.6857	-222.401	0.3765292	0	-0.27796985	0	-0.027494255
cov1_2_4_5_6_7_8_10_11	53.6971	-222.407	0.3766845	0	-0.27849522	0	-0.027201576
cov1_3_4_5_6_7_8_9_11	53.7052	-222.411	0.3726976	0	-0.28198392	0	0
cov1_3_4_5_6_7_8_10_11	53.7181	-222.417	0.372929	0	-0.2827858	0	0
cov1_2_3_5_6_7_8_9_11	53.7794	-222.448	0.3730679	0	-0.28465139	0	-0.00336839
cov1_3_5_6_7_8_9_10_11	53.782	-222.449	0.3728982	0	-0.28668526	0	0
cov1_4_5_6_7_8_9_10_11	53.7864	-222.451	0.3757194	0	-0.30045365	0	0
cov1_2_3_5_6_7_8_10_11	53.7949	-222.455	0.373279	0	-0.28584438	0	-0.003092884
cov1_2_3_4_5_6_7_8_11	53.8021	-222.459	0.3742819	0	-0.28031897	0	-0.026016049
cov1_2_5_6_7_8_9_10_11	53.8546	-222.485	0.376001	0	-0.30152166	0	-0.004725888
cov1_2_3_4_6_7_8_9_11	53.9175	-222.517	0.3706773	0	-0.20228596	0	-0.042200584
cov1_2_3_4_6_7_8_10_11	53.9345	-222.525	0.3709849	0	-0.20324897	0	-0.041884151
cov1_2_3_4_5_6_7_9_11	54.0185	-222.567	0.3738844	0	-0.2561835	0	-0.026150228
cov1_2_3_4_5_6_7_10_11	54.0333	-222.575	0.3741106	0	-0.25726108	0	-0.025908696
cov1_2_3_4_5_6_8_9_11	54.0471	-222.582	0.3729303	0	-0.24970794	0	-0.026490407
cov1_2_3_4_5_6_9_10_11	54.0588	-222.587	0.3718221	0	-0.24265553	0	-0.026842401
cov1_2_3_4_5_6_8_10_11	54.0626	-222.589	0.3731567	0	-0.25081597	0	-0.026252716
cov1_2_4_5_6_7_9_10_11	54.0896	-222.603	0.3767663	0	-0.27206237	0	-0.02790562
cov1_3_4_5_6_7_9_10_11	54.1098	-222.613	0.3728661	0	-0.27621745	0	0
cov1_3_4_5_6_8_9_10_11	54.1409	-222.628	0.3718895	0	-0.26997278	0	0
cov1_2_4_5_6_8_9_10_11	54.1638	-222.64	0.3765957	0	-0.26948882	0	-0.028801886
cov1_3_4_6_7_8_9_10_11	54.1838	-222.65	0.3678268	0	-0.21830058	0	0
cov1_2_3_5_6_7_9_10_11	54.1879	-222.652	0.373224	0	-0.27906981	0	-0.003356516
cov1_2_3_5_6_8_9_10_11	54.2278	-222.672	0.3722169	0	-0.27315393	0	-0.002965675
cov1_2_4_6_7_8_9_10_11	54.228	-222.672	0.37606	0	-0.20975159	0	-0.054291199
cov1_2_3_4_6_8_9_10_11	54.2978	-222.707	0.370236	0	-0.19558405	0	-0.041404383
cov1_2_3_4_6_7_9_10_11	54.3133	-222.715	0.3709308	0	-0.19689511	0	-0.042330013
cov1_2_3_4_5_6_7_8_9	54.4764	-222.796	0.3694228	0	-0.22777662	0	-0.01924917
cov1_2_3_4_5_6_7_8_10	54.4841	-222.8	0.3696773	0	-0.22866592	0	-0.019000324
cov1_3_4_5_6_7_8_9_10	54.5242	-222.82	0.3688306	0	-0.24320602	0	0
cov1_2_4_5_6_7_8_9_10	54.5519	-222.834	0.3724641	0	-0.24410515	0	-0.020949416
cov1_2_3_5_6_7_8_9_10	54.6228	-222.869	0.3688899	0	-0.24944352	0	0.002064932
cov1_2_3_4_6_7_8_9_10	54.7511	-222.934	0.3666569	0	-0.17073589	0	-0.03492815
cov1_2_3_6_7_8_9_10_11	54.8534	-222.985	0.3642441	0	-0.18572588	0	0.003568996
cov1_2_3_4_5_6_8_9_10	54.8698	-222.993	0.3688266	0	-0.21645316	0	-0.0200426
cov1_2_3_4_5_6_7_9_10	54.8725	-222.994	0.3696765	0	-0.22179877	0	-0.019602711
cov1_2_3_4_5_7_8_9_11	55.5579	-223.337	0.3761002	0	-0.16477434	0	-0.026935971
cov1_2_3_4_5_7_8_10_11	55.5636	-223.34	0.3762137	0	-0.1657206	0	-0.026823479



cov1_2_4_5_7_8_9_10_11	55.6311	-223.374	0.378997	0	-0.18088102	0	-0.028760191
cov1_3_4_5_7_8_9_10_11	55.6545	-223.385	0.3750343	0	-0.18536669	0	0
cov1_2_3_5_7_8_9_10_11	55.777	-223.447	0.3754781	0	-0.18954063	0	-0.001011966
cov1_2_3_4_5_7_9_10_11	55.793	-223.455	0.376123	0	-0.1639205	0	-0.027251568
cov1_2_3_4_5_8_9_10_11	55.8124	-223.464	0.3753781	0	-0.15912577	0	-0.027521944
cov1_2_3_4_7_8_9_10_11	55.8741	-223.495	0.3729521	0	-0.10294349	0	-0.04377005
cov2_3_4_5_6_7_8_9_11	56.5103	-223.813	0.3656262	0	0	0	-0.089295406
cov2_3_4_5_6_7_8_10_11	56.557	-223.837	0.3660583	0	0	0	-0.089228479
cov1_2_3_4_5_7_8_9_10	56.6604	-223.888	0.3716087	0	-0.11930885	0	-0.019605149
cov2_3_4_5_6_8_9_10_11	56.7107	-223.913	0.3653964	0	0	0	-0.087618362
cov2_3_4_5_6_7_9_10_11	56.789	-223.953	0.3659917	0	0	0	-0.088297654
cov2_3_4_5_6_7_8_9_10	56.7918	-223.954	0.3638177	0	0	0	-0.080359174
cov2_3_4_5_7_8_9_10_11	56.9949	-224.055	0.368818	0	0	0	-0.076687013
cov2_3_4_6_7_8_9_10_11	57.373	-224.245	0.3690189	0	0	0	-0.08481799
cov2_4_5_6_7_8_9_10_11	57.4937	-224.305	0.3757588	0	0	0	-0.11188705
cov2_3_5_6_7_8_9_10_11	57.7031	-224.41	0.3619447	0	0	0	-0.04015724
cov3_4_5_6_7_8_9_10_11	57.8146	-224.465	0.3587445	0	0	0	0
cov1_2_3_4_5_6_7_8_9_11	60.6369	-222.366	0.3737161	0	-0.26219327	0	-0.025729772
cov1_2_3_4_5_6_7_8_10_11	60.6515	-222.374	0.3739406	0	-0.26326749	0	-0.025489973
cov1_2_4_5_6_7_8_9_10_11	60.7056	-222.401	0.3765457	0	-0.27783547	0	-0.027443252
cov1_3_4_5_6_7_8_9_10_11	60.7253	-222.411	0.3727153	0	-0.28192749	0	0
cov1_2_3_5_6_7_8_9_10_11	60.7996	-222.448	0.3730576	0	-0.28468056	0	-0.003390597
cov1_2_3_4_6_7_8_9_10_11	60.936	-222.516	0.3707541	0	-0.2024556	0	-0.0420266
cov1_2_3_4_5_6_7_9_10_11	61.0387	-222.567	0.3738896	0	-0.25616986	0	-0.026141705
cov1_2_3_4_5_6_8_9_10_11	61.0673	-222.582	0.3729299	0	-0.24970883	0	-0.026490997
cov1_2_3_4_5_6_7_8_9_10	61.4949	-222.795	0.3694914	0	-0.22769176	0	-0.019182133
cov1_2_3_4_5_7_8_9_10_11	62.5778	-223.337	0.3760728	0	-0.16485313	0	-0.026975085
cov2_3_4_5_6_7_8_9_10_11	63.5289	-223.812	0.3656929	0	0	0	-0.08914694
cov1_2_3_4_5_6_7_8_9_10_11	67.6571	-222.366	0.3737191	0	-0.26214757	0	-0.025735558

[illegible]

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0	0	0	0.071963533	0	0	0	0	-0.014974882
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0	0	0	0.096770064	0	-0.022578948	0	0	0



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0	0	0	0.094771057	0	0	0	0.000241593	-0.003699926
0	0	0	0.095117985	0	0	0	0.000227924	0

[illegible]

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0	-0.10671535	0	0	0	0.001225304	0	0	0.071903975
0	0	0	0.12059398	0	-0.036601351	0	0.004942346	0
0	0	0	0.11858989	0	-0.033652414	0	0	0
0	-0.06610719	0	0	0	-0.031607855	0	0.01384712	0
0	-0.11106064	0	0	0	-0.002346159	0	0.02310607	0
0	0	0	0.093999891	0	0	0	0.002282082	-0.37200977
0	-0.060975797	0	0	0	-0.02441602	0	0.022425587	0
0	-0.10784671	0	0	0	-0.000318192	0	0.02130913	0.080809213
0	0	0	0	0	0	0	0	0
0	0	0	0.094745961	0	0	0	-0.009341414	-0.009714471
0	-0.11977468	0	0.034199207	0	-0.047667348	0	0	-0.26835283
0	0	0	0.095105712	0	0	0	-0.009091313	0
0	0	0	0.11479808	0	-0.028711709	0	0.012817265	0
0	0	0	0.11400438	0	-0.028061733	0	0.012525394	1.94E-05
0	-0.057915361	0	0	0	0	0	-0.008144885	0
0	-0.057542701	0	0.001956501	0	0	0	-0.009418765	0
0	-0.057886842	0	-0.002078264	0	0	0	0	0
0	-0.054320128	0	0.004197187	0	0	0	-0.003048802	0
0	-0.1283807	0	0.03447545	0	-0.057442898	0	0	0
0	-0.056801486	0	0.002332403	0	0	0	-0.01064989	0
0	-0.12562236	0	0.034555816	0	-0.053464881	0	0.00672182	0
0	-0.12715243	0	0	0	-0.02790665	0	0	-0.27523976
0	-0.12664329	0	0.034125979	0	-0.05683201	0	0	0.10167526
0	-0.1249843	0	0	0	-0.024752147	0	0.008019247	-0.27829374
0	-0.12286964	0	0.03422322	0	-0.051432087	0	0.00471759	0.10219855
0	0	0	0	0	0	0	0	-0.39191788
0	0	0	0	0	0	0	0.037530934	-0.41712105
0	0	0	0	0	0	0	0	-0.39097855
0	0	0	0	0	0	0	0.035688902	-0.41597393
0	-0.12976142	0	0	0	-0.028633678	0	0.001191795	0
0	0	0	0	0	0	0	0	-0.39169098
0	0	0	0	0	0.032442502	0	0	-0.38163732
0	0	0	0	0	0.030877182	0	0	-0.38221484
0	-0.1118681	0	0	0	0	0	-0.018359712	-0.26711806
0	-0.10899405	0	0.005177951	0	0	0	-0.017228213	-0.26642334
0	0	0	0	0	0	0	0	-0.39676992
0	0	0	0	0	0	0	0	-0.39661996
0	0	0	0	0	0.025159263	0	0	-0.030723262
0	-0.12703689	0	0	0	-0.02699441	0	-0.000895073	0.095620819
0	0	0	0	0	0	0	0.026433644	-0.030436536
0	-0.065520762	0	0	0	0.017258525	0	-0.004479503	0
0	0	0	0	0	0.020728368	0	0.022377872	-0.024781996
0	0	0	0	0	0.023862449	0	0	-0.030559698
0	0	0	0	0	0.025417649	0	0	0
0	-0.11682289	0	-0.00517374	0	0	0	0	-0.2756058

[illegible]

0	0	0	0	0	0	-0.000627536	0	-0.38073093
0	0	0	0	0	-0.004776546	0	0	-0.38402231
0	0	0	0	0	-0.004232918	0	0.00351508	-0.3849703
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0	0	0	0	0	-0.006013149	0	0	-0.38438234
0	0	0	0	0	-0.005627175	0	0.003220891	-0.38532697
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0	0	0	0.018870042	0	0	0	-0.015900415	-0.02076413
0	0	0	0.019227219	0	0	0	-0.016193855	0
0	0	0	0.019073304	0	0	0	-0.016481523	-0.020827951
0	0	0	0.019012673	0	0	0	-0.017353086	-0.020778163
0	0	0	0.019519607	0	0	0	-0.016429152	0
0	0	0	0.019458405	0	0	0	-0.01729751	0
0	0	0	0.012299618	0	0	0	0	-0.019979029
0	0	0	0.012782283	0	0	0	0	0
0	0	0	0.021645721	0	0	0	-0.015115667	0
0	0	0	0	0	-0.005121709	0	0	-0.025810675
0	0	0	0	0	0	0	-0.004287346	-0.025527092
0	0	0	0	0	-0.003300566	0	0.001638959	-0.024335651
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0	0	0	0	0	-0.003502726	0	-0.001630513	-0.025694556
0	0	0	0	0	0	0	-0.003945589	0
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0	0	0	0	0	0.051130159	0	-0.011949362	-0.38349586
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0	0	0	0	0	0.14023088	0	0.12021416	-0.54358029
0	-0.043045825	0	0	0	0.093258009	0	0.11962162	0
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0	-0.032328649	0	0	0	0.098315706	0	0.12677419	0	0
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0	0	0	0	0	0.1204825	0	0.12648824	0	0
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0	-0.065339377	0	0	0	0	0	0.12602894	0	0
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0	-0.060652844	0	0.054216776	0	0	0	0	0
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0	0	0	0	0	-0.06719989	0	0
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[illegible]

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0	0.48004427	0	-0.04230829	0	0	0	0	0
0	0.48015852	0	0	0	-0.042331158	0	0	0

0	0.49085618	0	-0.039340759	0	-0.013584075	0	-0.050767176	0
0	0.49080423	0	-0.052391213	0	0	0	-0.050636971	0
0	0.006625376	0	-0.030888926	0	0	0	0	0
0	0	0	-0.02240208	0	-0.009124582	0	0	0
0	0	0	-0.03113382	0	0	0	0	0
0	0.006005737	0	0	0	-0.03056283	0	0	0
0	0	0	0	0	-0.030889025	0	0	0
0	0.49098678	0	0	0	-0.051939156	0	-0.050223031	0
0	0.004985547	0	-0.021846062	0	-0.00959912	0	0	0
0	0	0	-0.021088168	0	-0.01065117	0	0	0
0	0.48200453	0	-0.024506741	0	-0.02240988	0	0	0
0	0	0	-0.019018265	0	-0.01341356	0	0	0
0	-0.023276542	0	-0.018827953	0	-0.013487066	0	0	0
0	0	0	-0.022979921	0	-0.007027616	0	0	0
0	0.00016692	0	-0.02379808	0	-0.005850837	0	0	0
0	0.48260938	0	-0.020440455	0	-0.030594228	0	0	0
0	0.030440179	0	-0.026148355	0	-0.015909655	0	0	0
0	0	0	-0.025690806	0	-0.01752145	0	0	0
0	0.034202945	0	-0.039257452	0	-0.012620544	0	-0.049538207	0
0	0	0	-0.03902472	0	-0.014213394	0	-0.050369042	0
0	0.37317841	0	0	0	0	0	-0.061211117	0
0	0.48828658	0	-0.03314427	0	-0.021912165	0	0	0
0	0.37107879	0	-0.014365328	0	0	0	-0.06115449	0
0	0.3712856	0	0	0	-0.013875502	0	-0.061048167	0
0	0.37108601	0	-0.013951361	0	0	0	-0.059365039	0
0	0.37133637	0	0	0	-0.013326129	0	-0.059277275	0
0	0.37283972	0	-0.012718596	0	-0.001929689	0	-0.059607796	0
0	0.3724073	0	-0.018370726	0	0.006807549	0	-0.06034372	0
0	0.37234653	0	-0.011849914	0	0	0	-0.060355573	0
0	0.37266844	0	0	0	-0.010908423	0	-0.060291081	0
0	0	0	-0.014525	0	0	0	-0.060461061	0
0	0	0	0	0	-0.013754313	0	-0.060367332	0
0	-0.011000616	0	-0.014407109	0	0	0	-0.059642451	0
0	-0.011202054	0	0	0	-0.013580997	0	-0.059550631	0
0	0	0	-0.01953135	0	0.005621749	0	-0.058610479	0
0	0.37400616	0	-0.015349737	0	0.00312329	0	-0.060733956	0
0	0	0	-0.015154287	0	8.61E-05	0	-0.060802735	0
0	0.36634706	0	-0.025873795	0	0	0	-0.060156104	0
0	0.36661995	0	0	0	-0.025474826	0	-0.059957326	0
0	0	0	-0.016582193	0	0.002033519	0	-0.059012498	0
0	-0.012327538	0	-0.017143152	0	0.002746162	0	-0.058179165	0
0	-0.038963871	0	-0.015129964	0	1.35E-05	0	-0.059968611	0
0	0	0	-0.018986019	0	0.006796432	0	-0.060061921	0
0	-0.018186694	0	-0.019598767	0	0.007604333	0	-0.059212546	0
0	0.50108696	0	-0.032125861	0	-0.045204146	0	-0.049742772	0
0	0.015625554	0	-0.022166227	0	-0.003669203	0	-0.059083256	0
0	0	0	-0.021875116	0	-0.004838019	0	-0.059765733	0

0	0.36794763	0	-0.019777031	0	-0.011109104	0	-0.057148266	0
0	0.36834372	0	-0.016129953	0	-0.017937639	0	-0.060464538	0
0	0.35924225	0	-0.015986382	0	0	0	0	0
0	0.35939122	0	0	0	-0.015917858	0	0	0
0	0.3605078	0	-0.00980738	0	-0.006569111	0	0	0
0	0.064239696	0	-0.057714647	0	0	0	-0.030068682	0
0	0.36079913	0	-0.007583262	0	-0.009472982	0	0	0
0	0.063822176	0	0	0	-0.056735809	0	-0.029488118	0
0	0	0	-0.05829101	0	0	0	-0.03044069	0
0	0.4093258	0	-0.057965952	0	0	0	0	0
0	0.40891308	0	0	0	-0.057402951	0	0	0
0	0	0	0	0	-0.057356805	0	-0.029854552	0
0	0.36198943	0	-0.011654712	0	-0.00253612	0	0	0
0	0.009958617	0	-0.011950088	0	-0.004776042	0	0	0
0	0	0	-0.011448458	0	-0.00548547	0	0	0
0	0.35618577	0	-0.014504152	0	-0.013706376	0	0	0
0	0.068945535	0	-0.044736731	0	-0.012885088	0	0	0
0	0.35649503	0	-0.044271987	0	0	0	-0.038957676	0
0	0.36945726	0	-0.029502506	0	-0.009769181	0	-0.057680681	0
0	0.35691789	0	0	0	-0.043612958	0	-0.038373171	0
0	0	0	-0.044505411	0	-0.013721008	0	0	0
0	0	0	-0.048353232	0	-0.017273167	0	-0.03344951	0
0	0.048994736	0	-0.039932666	0	-0.004152441	0	-0.03859475	0
0	0	0	-0.040039703	0	-0.004978564	0	-0.038697481	0
0	0.36679047	0	-0.047081336	0	0	0	-0.018675559	0
0	0.39552797	0	0	0	0	0	-0.028943741	0
0	0.36625617	0	0	0	-0.045219793	0	-0.018170412	0
0	0.35325588	0	-0.048571967	0	0.005798016	0	-0.024243619	0
0	0.37304257	0	-0.049765308	0	0.002329051	0	0	0
0	0.35167338	0	-0.03051193	0	-0.009818198	0	0	0
0	0.39131011	0	-0.068422226	0	0	0	-0.025524913	0
0	0.39121766	0	0	0	-0.068386526	0	-0.024914144	0
0	0.041193649	0	-0.053134954	0	0.00723652	0	-0.018864002	0
0	0	0	-0.052920695	0	0.006189551	0	-0.019396426	0
0	0.39606721	0	-0.039419306	0	-0.029413484	0	0	0
0	0.3960228	0	-0.061946774	0	0	0	-0.022737162	0
0	0.35727998	0	-0.036548815	0	-0.021138067	0	-0.032428834	0
0	0	0	-0.043134842	0	-0.026026512	0	-0.025719139	0
0	0.39549246	0	0	0	-0.060558046	0	-0.022051643	0
0	-0.010239875	0	-0.042940832	0	-0.025930141	0	-0.025129095	0
0	0.38581566	0	-0.069238114	0	0	0	-0.016485474	0
0	0.37969209	0	-0.057570337	0	0.002147301	0	-0.01895651	0
0	0.38550841	0	0	0	-0.068771631	0	-0.015824698	0
0	0.40010446	0	-0.053598218	0	-0.008041149	0	0	0
0	0.066112984	0	-0.057590539	0	-0.003552656	0	-0.022727774	0
0	0.38972654	0	-0.047716536	0	-0.021565942	0	0	0
0	0	0	-0.057405202	0	-0.004334679	0	-0.023080663	0

0	0.083587547	0	-0.050469387	0	-0.018629287	0	-0.016557647	0
0	0.36459815	0	-0.047269165	0	-0.010802018	0	-0.017454799	0
0	0.35842139	0	-0.049132502	0	-0.001166669	0	-0.03030989	0
0	0.35604923	0	-0.04387055	0	-0.015662304	0	-0.023464861	0
0	0	0	-0.050290788	0	-0.019397668	0	-0.016816017	0
0	0.38696256	0	-0.055068011	0	-0.01330316	0	-0.016468672	0
0	0.35177591	0	-0.053773135	0	-0.004392872	0	-0.006537925	0
0	0.37744769	0	-0.051391071	0	-0.024732052	0	-0.015128162	0
0	0.35993301	0	-0.041497531	0	-0.048013837	0	-0.004442876	0
0	0.48681323	0	-0.028781426	0	0	0	-0.054155334	0
0	0.48686348	0	0	0	-0.028190827	0	-0.053941694	0
0	0.48684993	0	-0.028379391	0	0	0	-0.052428841	0
0	0.4869351	0	0	0	-0.027661864	0	-0.052246008	0
0	0.48912027	0	-0.026730876	0	0	0	-0.053330837	0
0	0.48977995	0	-0.02783436	0	0.000955321	0	-0.053055821	0
0	0.48875338	0	-0.022679201	0	-0.006654095	0	-0.05261049	0
0	0.48924122	0	0	0	-0.025717375	0	-0.053161114	0
0	0.48674888	0	0	0	0	0	-0.054954641	0
0	0.49090871	0	-0.025250499	0	-0.00213544	0	-0.053636519	0
0	0.48244404	0	-0.040019286	0	0	0	-0.053164053	0
0	0.48255309	0	0	0	-0.039519526	0	-0.052863298	0
0	0	0	-0.028430371	0	0	0	-0.053714942	0
0	0	0	0	0	-0.027571715	0	-0.053524769	0
0	-0.011830026	0	-0.028231638	0	0	0	-0.052678097	0
0	0	0	-0.028944344	0	0.001005121	0	-0.051509654	0
0	-0.012273669	0	0	0	-0.027300507	0	-0.052492507	0
0	0	0	-0.024724246	0	-0.004506467	0	-0.0540004	0
0	0	0	-0.025927264	0	-0.002795237	0	-0.052244879	0
0	-0.013195131	0	-0.026743882	0	-0.001728577	0	-0.051210979	0
0	-0.040606611	0	-0.024553587	0	-0.00463477	0	-0.052985588	0
0	0.48462162	0	-0.02953152	0	-0.015599081	0	-0.050180698	0
0	0	0	-0.028421192	0	0.001607396	0	-0.053220205	0
0	-0.018200373	0	-0.02916397	0	0.002655943	0	-0.052154111	0
0	0.48504214	0	-0.025986731	0	-0.022272539	0	-0.053378275	0
0	0.013336985	0	-0.031621721	0	-0.00778478	0	-0.052065027	0
0	0	0	-0.031192091	0	-0.00937005	0	-0.052960091	0
0	0.48264844	0	-0.03094437	0	0	0	0	0
0	0.48273999	0	0	0	-0.030703316	0	0	0
0	0.48396248	0	-0.020957954	0	-0.010591609	0	0	0
0	0.48435885	0	-0.018908635	0	-0.013317808	0	0	0
0	0.48645238	0	-0.022801375	0	-0.007047623	0	0	0
0	0.48006424	0	-0.025554481	0	-0.017551454	0	0	0
0	0.49060439	0	-0.038608532	0	-0.014423805	0	-0.05050742	0
0	0.00641901	0	-0.022918582	0	-0.008405575	0	0	0
0	0	0	-0.022148604	0	-0.009475943	0	0	0
0	0.36956197	0	-0.013827111	0	0	0	-0.060816086	0
0	0.3698546	0	0	0	-0.013059238	0	-0.060728527	0



0	0.37108195	0	-0.014706053	0	0.000359071	0	-0.061158144	0
0	0.37104121	0	-0.016178218	0	0.002345109	0	-0.059387081	0
0	0.37238693	0	-0.018493535	0	0.007001565	0	-0.060425434	0
0	0	0	-0.018194886	0	0.003869502	0	-0.060499019	0
0	-0.010904378	0	-0.018765539	0	0.004595733	0	-0.059687965	0
0	0.36631321	0	-0.021419206	0	-0.004668628	0	-0.060115576	0
0	0.40453141	0	-0.058712829	0	0	0	-0.030082156	0
0	0.40414426	0	0	0	-0.057775132	0	-0.029489137	0
0	0.35921349	0	-0.010863347	0	-0.005399665	0	0	0
0	0.064023726	0	-0.049701205	0	-0.008439316	0	-0.029993455	0
0	0	0	-0.049601626	0	-0.00915741	0	-0.030361589	0
0	0.40935688	0	-0.04487538	0	-0.013790611	0	0	0
0	0.35647148	0	-0.039693025	0	-0.004809785	0	-0.038922433	0
0	0.36685767	0	-0.053295519	0	0.006517218	0	-0.018759295	0
0	0.39150253	0	-0.043374996	0	-0.026297625	0	-0.025328668	0
0	0.39599999	0	-0.057798006	0	-0.004370129	0	-0.022694668	0
0	0.38593764	0	-0.050603402	0	-0.01959328	0	-0.016349865	0
0	0.48516573	0	-0.028233765	0	0	0	-0.053831027	0
0	0.48527569	0	0	0	-0.027378271	0	-0.05364299	0
0	0.48680401	0	-0.024533846	0	-0.004478961	0	-0.054108096	0
0	0.4868464	0	-0.025930358	0	-0.002584097	0	-0.052403838	0
0	0.48876649	0	-0.02832189	0	0.001662996	0	-0.053337163	0
0	0.48245087	0	-0.031067495	0	-0.009382458	0	-0.053071785	0
0	0	0	-0.027586511	0	-0.000889579	0	-0.053705137	0
0	-0.011828643	0	-0.028292474	0	6.42E-05	0	-0.052678749	0
0	0.48272216	0	-0.022025681	0	-0.009412371	0	0	0
0	0.36958859	0	-0.017712103	0	0.004096446	0	-0.060856482	0
0	0.40463596	0	-0.049945879	0	-0.00923681	0	-0.030005858	0
0	0.48512328	0	-0.027334591	0	-0.000956061	0	-0.05383419	0

SUPPLEMENTARY TABLE 8

Model	BIC	Loglike	H2r	SE	bsnp_rs2938864	SE	bsnp_rs1001646
cov0	0	-456.076	0.3243586	0	0	0	0
cov2	2.9129	-454.036	0.3188279	0	0	0	-0.087081061
cov1	3.1144	-454.136	0.3167291	0	-0.086122222	0	0
cov9	3.1553	-454.157	0.3157377	0	0	0	0
cov10	3.3367	-454.247	0.316196	0	0	0	0
cov5	5.7679	-455.463	0.3198947	0	0	0	0
cov6	5.7729	-455.465	0.3204928	0	0	0	0
cov4	5.7765	-455.467	0.3202945	0	0	0	0
cov11	6.2876	-455.723	0.320818	0	0	0	0
cov3	6.5757	-455.867	0.32083	0	0	0	0
cov7	6.6697	-455.914	0.3251811	0	0	0	0
cov8	6.6907	-455.924	0.3251563	0	0	0	0
cov1_6	7.2908	-452.727	0.3170811	0	-0.24852679	0	0
cov2_9	8.2942	-453.229	0.314586	0	0	0	-0.063702362
cov2_10	8.3701	-453.267	0.3148669	0	0	0	-0.065119828
cov1_9	8.6306	-453.397	0.3133292	0	-0.059946857	0	0
cov1_10	8.6753	-453.419	0.3134984	0	-0.061880565	0	0
cov1_5	8.6903	-453.427	0.3187116	0	-0.17598819	0	0
cov1_11	9.058	-453.611	0.3189846	0	-0.13905785	0	0
cov2_4	9.161	-453.662	0.321285	0	0	0	-0.13709023
cov2_6	9.2914	-453.727	0.3205358	0	0	0	-0.13024133
cov2_11	9.3984	-453.781	0.3213346	0	0	0	-0.11536005
cov5_9	9.501	-453.832	0.3129676	0	0	0	0
cov4_9	9.5181	-453.841	0.3133677	0	0	0	0
cov2_5	9.5468	-453.855	0.3207968	0	0	0	-0.1161315
cov5_10	9.5905	-453.877	0.3131332	0	0	0	0
cov4_10	9.6354	-453.899	0.313634	0	0	0	0
cov1_2	9.6775	-453.92	0.3174109	0	-0.039803317	0	-0.053712235
cov2_7	9.6939	-453.929	0.3197504	0	0	0	-0.086009925
cov2_8	9.7109	-453.937	0.3197159	0	0	0	-0.086053572
cov2_3	9.7581	-453.961	0.316749	0	0	0	-0.084848427
cov1_4	9.8511	-454.007	0.3174435	0	-0.11021433	0	0
cov1_7	9.9321	-454.048	0.3176415	0	-0.084710644	0	0
cov1_8	9.9471	-454.055	0.3176034	0	-0.084777236	0	0
cov1_3	9.9534	-454.058	0.3146698	0	-0.083825252	0	0
cov7_9	9.9956	-454.079	0.3164128	0	0	0	0
cov8_9	10.0124	-454.088	0.3163792	0	0	0	0
cov6_9	10.0926	-454.128	0.3153725	0	0	0	0
cov9_11	10.0939	-454.129	0.3150932	0	0	0	0
cov3_9	10.1166	-454.14	0.3150056	0	0	0	0
cov9_10	10.1499	-454.157	0.3157412	0	0	0	0
cov7_10	10.1759	-454.17	0.3168774	0	0	0	0
cov8_10	10.1927	-454.178	0.3168438	0	0	0	0
cov6_10	10.2391	-454.201	0.3156901	0	0	0	0
cov10_11	10.2453	-454.204	0.3153606	0	0	0	0

cov3_10	10.3002	-454.232	0.3154838	0	0	0	0
cov3_7	11.7475	-454.955	0.3171353	0	0	0	0
cov3_8	11.8368	-455	0.3172722	0	0	0	0
cov3_4	12.071	-455.117	0.3149523	0	0	0	0
cov1_6_9	12.1111	-451.64	0.3132449	0	-0.23703244	0	0
cov3_5	12.1758	-455.169	0.3151119	0	0	0	0
cov1_6_10	12.1836	-451.676	0.3134456	0	-0.23866236	0	0
cov5_7	12.4767	-455.32	0.3208801	0	0	0	0
cov5_8	12.4955	-455.329	0.3208477	0	0	0	0
cov6_7	12.5059	-455.335	0.3214357	0	0	0	0
cov3_6	12.5114	-455.337	0.3178802	0	0	0	0
cov6_8	12.5286	-455.346	0.3214017	0	0	0	0
cov4_6	12.5394	-455.351	0.3196503	0	0	0	0
cov4_7	12.5812	-455.372	0.3211936	0	0	0	0
cov4_8	12.5963	-455.38	0.3211573	0	0	0	0
cov5_6	12.619	-455.391	0.3196782	0	0	0	0
cov4_5	12.6766	-455.42	0.3197696	0	0	0	0
cov4_11	12.6962	-455.43	0.3195466	0	0	0	0
cov5_11	12.7421	-455.453	0.3195763	0	0	0	0
cov6_11	12.7637	-455.463	0.3203346	0	0	0	0
cov7_11	12.8152	-455.489	0.3215629	0	0	0	0
cov1_5_6	12.8235	-451.996	0.3191756	0	-0.34086684	0	0
cov8_11	12.842	-455.503	0.3215462	0	0	0	0
cov3_11	13.0646	-455.614	0.3186464	0	0	0	0
cov1_6_11	13.5278	-452.348	0.3191083	0	-0.28564342	0	0
cov7_8	13.6261	-455.895	0.3251571	0	0	0	0
cov1_2_6	13.7179	-452.443	0.3177341	0	-0.19952258	0	-0.061608068
cov2_6_9	13.957	-452.563	0.3163039	0	0	0	-0.1235915
cov1_3_6	14.0846	-452.626	0.3147735	0	-0.24720204	0	0
cov1_4_6	14.0974	-452.633	0.3178552	0	-0.26724027	0	0
cov2_6_10	14.1215	-452.645	0.3166344	0	0	0	-0.12329582
cov1_6_7	14.1586	-452.663	0.3178512	0	-0.24602041	0	0
cov1_6_8	14.1602	-452.664	0.3178501	0	-0.24637034	0	0
cov2_9_11	14.6347	-452.902	0.3171578	0	0	0	-0.094691446
cov1_5_11	14.6435	-452.906	0.3207874	0	-0.22836461	0	0
cov1_9_11	14.665	-452.917	0.3154805	0	-0.11131252	0	0
cov1_10_11	14.7265	-452.947	0.3156601	0	-0.11292473	0	0
cov2_10_11	14.754	-452.961	0.3174185	0	0	0	-0.095339852
cov2_4_9	15.0011	-453.085	0.316783	0	0	0	-0.098763163
cov2_4_10	15.0819	-453.125	0.3170565	0	0	0	-0.10002022
cov2_7_9	15.1549	-453.162	0.3153349	0	0	0	-0.063365865
cov1_5_9	15.1629	-453.166	0.3158811	0	-0.12717809	0	0
cov2_8_9	15.1698	-453.169	0.315297	0	0	0	-0.063397916
cov2_5_9	15.1775	-453.173	0.3160412	0	0	0	-0.081583259
cov1_2_5	15.1861	-453.177	0.3196083	0	-0.12834093	0	-0.057783368
cov1_5_10	15.2074	-453.188	0.316052	0	-0.12930882	0	0
cov2_7_10	15.2308	-453.2	0.3156219	0	0	0	-0.064777541

cov2_8_10	15.2457	-453.207	0.3155826	0	0	0	-0.0648085
cov1_2_9	15.2483	-453.208	0.3141267	0	-0.01715626	0	-0.050169841
cov2_5_10	15.2692	-453.219	0.316242	0	0	0	-0.081894169
cov2_3_9	15.273	-453.221	0.3140345	0	0	0	-0.063450502
cov2_9_10	15.288	-453.228	0.3145942	0	0	0	-0.063721392
cov1_2_10	15.3086	-453.238	0.3143012	0	-0.020075334	0	-0.049146281
cov2_3_10	15.3506	-453.259	0.3143415	0	0	0	-0.064885758
cov1_2_11	15.5003	-453.334	0.3199831	0	-0.089629645	0	-0.060962181
cov1_7_9	15.5075	-453.338	0.3140577	0	-0.059268787	0	0
cov1_8_9	15.5213	-453.345	0.314017	0	-0.059327938	0	0
cov1_4_5	15.5401	-453.354	0.3185405	0	-0.17740162	0	0
cov1_7_10	15.5536	-453.361	0.3142302	0	-0.061197544	0	0
cov1_8_10	15.5672	-453.368	0.3141891	0	-0.061255885	0	0
cov1_5_7	15.5686	-453.368	0.3193623	0	-0.17311269	0	0
cov1_5_8	15.5814	-453.375	0.3193261	0	-0.17325666	0	0
cov1_4_9	15.588	-453.378	0.3137848	0	-0.070592442	0	0
cov1_3_9	15.6035	-453.386	0.3126933	0	-0.059736499	0	0
cov1_9_10	15.6192	-453.394	0.3133368	0	-0.060140223	0	0
cov1_4_10	15.6305	-453.399	0.3139592	0	-0.072759497	0	0
cov1_3_10	15.6508	-453.41	0.3128963	0	-0.061676679	0	0
cov1_3_5	15.6664	-453.417	0.3195581	0	-0.18188079	0	0
cov1_3_11	15.6736	-453.421	0.3159648	0	-0.14194188	0	0
cov2_4_11	15.681	-453.425	0.3236458	0	0	0	-0.16327774
cov2_4_6	15.7055	-453.437	0.3225655	0	0	0	-0.16888148
cov1_2_4	15.7506	-453.459	0.3196784	0	-0.053584352	0	-0.098509928
cov2_3_7	15.7645	-453.466	0.3146113	0	0	0	-0.076336318
cov1_4_11	15.7803	-453.474	0.3196897	0	-0.16417789	0	0
cov2_4_7	15.8117	-453.49	0.3227277	0	0	0	-0.14043543
cov2_3_8	15.8263	-453.497	0.3147141	0	0	0	-0.076669768
cov2_4_8	15.8355	-453.502	0.3226783	0	0	0	-0.14026014
cov5_6_9	15.9902	-453.579	0.3114521	0	0	0	0
cov1_7_11	16.0358	-453.602	0.319184	0	-0.13657376	0	0
cov1_8_11	16.04	-453.604	0.3191591	0	-0.13691037	0	0
cov1_3_7	16.043	-453.606	0.3129483	0	-0.07420673	0	0
cov2_6_7	16.0584	-453.613	0.3214861	0	0	0	-0.12963424
cov2_6_8	16.0716	-453.62	0.3214663	0	0	0	-0.12980371
cov1_3_8	16.101	-453.635	0.3130343	0	-0.074604914	0	0
cov2_6_11	16.1045	-453.636	0.3217587	0	0	0	-0.13813564
cov2_3_6	16.1061	-453.637	0.3183126	0	0	0	-0.12886969
cov2_3_11	16.1074	-453.638	0.3187693	0	0	0	-0.11635409
cov5_6_10	16.1075	-453.638	0.311676	0	0	0	0
cov2_4_5	16.1545	-453.661	0.3213559	0	0	0	-0.13758334
cov2_3_4	16.1558	-453.662	0.3213033	0	0	0	-0.13717884
cov2_5_6	16.2232	-453.696	0.3211678	0	0	0	-0.13646679
cov2_5_11	16.2388	-453.704	0.3222069	0	0	0	-0.13016377
cov2_7_11	16.2965	-453.732	0.3216999	0	0	0	-0.11180271
cov2_8_11	16.3075	-453.738	0.3216817	0	0	0	-0.11203033

cov4_6_9	16.3274	-453.748	0.3130266	0	0	0	0
cov2_5_7	16.3341	-453.751	0.321647	0	0	0	-0.11482942
cov5_9_11	16.3507	-453.76	0.3132679	0	0	0	0
cov2_5_8	16.3514	-453.76	0.3216091	0	0	0	-0.114858
cov5_7_9	16.3526	-453.76	0.3137217	0	0	0	0
cov5_8_9	16.3682	-453.768	0.3136825	0	0	0	0
cov3_4_9	16.3852	-453.777	0.311595	0	0	0	0
cov3_5_9	16.4025	-453.785	0.3114872	0	0	0	0
cov4_7_9	16.4191	-453.794	0.3140341	0	0	0	0
cov4_8_9	16.4316	-453.8	0.3139905	0	0	0	0
cov5_7_10	16.4431	-453.806	0.3138965	0	0	0	0
cov5_10_11	16.4552	-453.812	0.3134353	0	0	0	0
cov4_5_9	16.4553	-453.812	0.3129533	0	0	0	0
cov5_8_10	16.4586	-453.813	0.3138568	0	0	0	0
cov4_9_11	16.4618	-453.815	0.3136964	0	0	0	0
cov4_6_10	16.4828	-453.826	0.3133666	0	0	0	0
cov1_2_7	16.4831	-453.826	0.3183734	0	-0.037684702	0	-0.054477504
cov5_9_10	16.4863	-453.827	0.3129514	0	0	0	0
cov3_5_10	16.4938	-453.831	0.3116587	0	0	0	0
cov2_3_5	16.4959	-453.832	0.3193954	0	0	0	-0.11151487
cov1_2_8	16.4988	-453.834	0.3183339	0	-0.037794238	0	-0.054429149
cov3_4_10	16.503	-453.836	0.3118497	0	0	0	0
cov4_9_10	16.5088	-453.839	0.3133685	0	0	0	0
cov1_2_3	16.5356	-453.852	0.3154574	0	-0.038673191	0	-0.052526174
cov4_7_10	16.5388	-453.854	0.3143005	0	0	0	0
cov3_7_9	16.5503	-453.859	0.3138278	0	0	0	0
cov4_8_10	16.5511	-453.86	0.3142564	0	0	0	0
cov4_5_10	16.5512	-453.86	0.313126	0	0	0	0
cov4_10_11	16.5948	-453.882	0.3139235	0	0	0	0
cov3_8_9	16.602	-453.885	0.3139095	0	0	0	0
cov1_4_7	16.6203	-453.894	0.3185559	0	-0.1109186	0	0
cov1_4_8	16.638	-453.903	0.3185118	0	-0.11086833	0	0
cov2_7_8	16.6486	-453.908	0.3197181	0	0	0	-0.086026789
cov3_7_10	16.7337	-453.951	0.314279	0	0	0	0
cov3_8_10	16.7854	-453.977	0.3143621	0	0	0	0
cov1_3_4	16.799	-453.984	0.3161078	0	-0.10458313	0	0
cov1_7_8	16.8887	-454.029	0.3176135	0	-0.084705974	0	0
cov7_9_11	16.8965	-454.032	0.3156849	0	0	0	0
cov8_9_11	16.9157	-454.042	0.3156603	0	0	0	0
cov7_8_9	16.932	-454.05	0.3163555	0	0	0	0
cov6_7_9	16.9354	-454.052	0.3160724	0	0	0	0
cov6_8_9	16.9526	-454.061	0.3160374	0	0	0	0
cov7_9_10	16.9903	-454.079	0.3164144	0	0	0	0
cov8_9_10	17.0071	-454.088	0.3163811	0	0	0	0
cov7_10_11	17.0389	-454.104	0.315968	0	0	0	0
cov3_6_9	17.0562	-454.112	0.3146604	0	0	0	0
cov8_10_11	17.0586	-454.113	0.3159428	0	0	0	0

cov3_9_11	17.0677	-454.118	0.3145664	0	0	0	0
cov6_9_11	17.0774	-454.123	0.3151411	0	0	0	0
cov6_7_10	17.0818	-454.125	0.3164015	0	0	0	0
cov6_9_10	17.0867	-454.128	0.3153761	0	0	0	0
cov9_10_11	17.0878	-454.128	0.3150949	0	0	0	0
cov6_8_10	17.0991	-454.134	0.3163656	0	0	0	0
cov3_9_10	17.1115	-454.14	0.3150077	0	0	0	0
cov7_8_10	17.1128	-454.141	0.3168219	0	0	0	0
cov3_5_7	17.1815	-454.175	0.3110838	0	0	0	0
cov3_6_10	17.2054	-454.187	0.3150043	0	0	0	0
cov6_10_11	17.2205	-454.194	0.3154157	0	0	0	0
cov3_10_11	17.2234	-454.196	0.3148915	0	0	0	0
cov3_5_8	17.2738	-454.221	0.311224	0	0	0	0
cov3_4_7	17.3165	-454.242	0.3115154	0	0	0	0
cov3_4_8	17.4013	-454.285	0.3116404	0	0	0	0
cov3_6_7	18.1285	-454.648	0.3153793	0	0	0	0
cov3_6_8	18.2141	-454.691	0.3155072	0	0	0	0
cov3_7_11	18.3024	-454.735	0.31532	0	0	0	0
cov3_8_11	18.3906	-454.779	0.3154498	0	0	0	0
cov1_6_9_11	18.4746	-451.324	0.3150944	0	-0.2712812	0	0
cov1_6_10_11	18.5626	-451.368	0.3153004	0	-0.27244611	0	0
cov1_2_6_9	18.5974	-451.385	0.3140431	0	-0.19088343	0	-0.058232827
cov1_2_6_10	18.6928	-451.433	0.314252	0	-0.19357612	0	-0.056937437
cov3_7_8	18.695	-454.932	0.3170881	0	0	0	0
cov1_5_6_9	18.8041	-451.489	0.3153537	0	-0.28778086	0	0
cov1_5_6_10	18.8769	-451.525	0.3155548	0	-0.28950531	0	0
cov3_4_5	19.0041	-455.086	0.3145946	0	0	0	0
cov3_4_6	19.0204	-455.094	0.3151418	0	0	0	0
cov1_6_7_9	19.0419	-451.608	0.3137665	0	-0.2353914	0	0
cov1_6_8_9	19.0434	-451.608	0.313764	0	-0.23564861	0	0
cov3_4_11	19.0627	-455.116	0.3149662	0	0	0	0
cov1_5_6_11	19.0706	-451.622	0.3210387	0	-0.37741193	0	0
cov1_3_6_9	19.0828	-451.628	0.3126095	0	-0.23681817	0	0
cov1_6_9_10	19.0979	-451.636	0.3132551	0	-0.23729601	0	0
cov1_4_6_9	19.105	-451.639	0.3133362	0	-0.23846504	0	0
cov1_6_7_10	19.1154	-451.644	0.3139699	0	-0.23702099	0	0
cov1_6_8_10	19.117	-451.645	0.3139671	0	-0.23727629	0	0
cov3_5_11	19.1393	-455.154	0.3150398	0	0	0	0
cov3_5_6	19.156	-455.162	0.3153297	0	0	0	0
cov1_3_6_10	19.1585	-451.666	0.3128523	0	-0.23844432	0	0
cov1_2_5_6	19.1712	-451.672	0.3200617	0	-0.29106774	0	-0.065813566
cov1_4_6_10	19.1769	-451.675	0.3135532	0	-0.24047132	0	0
cov4_6_7	19.325	-455.247	0.320599	0	0	0	0
cov4_6_8	19.3436	-455.256	0.3205589	0	0	0	0
cov5_6_7	19.3456	-455.257	0.3206457	0	0	0	0
cov5_6_8	19.3663	-455.267	0.3206118	0	0	0	0
cov5_7_11	19.4062	-455.287	0.3204095	0	0	0	0

cov4_7_11	19.4242	-455.296	0.3203343	0	0	0	0
cov5_8_11	19.4275	-455.298	0.3203849	0	0	0	0
cov4_5_7	19.4336	-455.301	0.3207103	0	0	0	0
cov5_7_8	19.4362	-455.302	0.3208602	0	0	0	0
cov6_7_8	19.4406	-455.304	0.3213664	0	0	0	0
cov4_8_11	19.4435	-455.306	0.3203067	0	0	0	0
cov4_5_8	19.4509	-455.31	0.3206753	0	0	0	0
cov6_7_11	19.4637	-455.316	0.3210393	0	0	0	0
cov6_8_11	19.4881	-455.328	0.3210157	0	0	0	0
cov3_6_11	19.505	-455.337	0.3179343	0	0	0	0
cov4_5_6	19.5307	-455.35	0.3195766	0	0	0	0
cov4_6_11	19.5342	-455.351	0.3196413	0	0	0	0
cov4_7_8	19.5407	-455.355	0.3211744	0	0	0	0
cov1_4_5_6	19.5696	-451.872	0.3187217	0	-0.34603788	0	0
cov5_6_11	19.6134	-455.391	0.3197244	0	0	0	0
cov4_5_11	19.6471	-455.408	0.3194219	0	0	0	0
cov1_5_6_7	19.7426	-451.958	0.3196951	0	-0.33750928	0	0
cov1_5_6_8	19.7444	-451.959	0.3196916	0	-0.33778817	0	0
cov7_8_11	19.7688	-455.469	0.3215305	0	0	0	0
cov1_3_5_6	19.8109	-451.992	0.3197038	0	-0.34433308	0	0
cov1_2_6_11	19.8459	-452.01	0.3200636	0	-0.23467905	0	-0.067469667
cov1_2_4_6	19.8516	-452.013	0.3202548	0	-0.21122495	0	-0.10480019
cov1_3_6_11	20.1178	-452.146	0.3160515	0	-0.28924161	0	0
cov1_3_6_7	20.2462	-452.21	0.313176	0	-0.2358391	0	0
cov1_3_6_8	20.2627	-452.218	0.3132319	0	-0.2371786	0	0
cov1_4_6_11	20.3204	-452.247	0.3198854	0	-0.3054023	0	0
cov1_6_7_11	20.5102	-452.342	0.3192753	0	-0.28340095	0	0
cov1_6_8_11	20.5105	-452.342	0.3192751	0	-0.28354098	0	0
cov1_2_3_6	20.5353	-452.354	0.3155401	0	-0.19930487	0	-0.06032195
cov1_2_6_7	20.5752	-452.374	0.3185519	0	-0.19644702	0	-0.062193823
cov1_2_6_8	20.5768	-452.375	0.318551	0	-0.19681164	0	-0.062192512
cov2_5_6_9	20.7905	-452.482	0.3145736	0	0	0	-0.1119383
cov2_6_9_11	20.8172	-452.495	0.3173401	0	0	0	-0.1304288
cov2_6_7_9	20.8185	-452.496	0.3170037	0	0	0	-0.12324316
cov2_6_8_9	20.8289	-452.501	0.3169839	0	0	0	-0.12337255
cov2_4_6_9	20.8723	-452.523	0.3174489	0	0	0	-0.13911275
cov1_4_6_7	20.9293	-452.551	0.3188108	0	-0.26621005	0	0
cov1_4_6_8	20.9317	-452.553	0.3188067	0	-0.26656749	0	0
cov2_3_6_9	20.9378	-452.556	0.3158023	0	0	0	-0.12330651
cov2_5_6_10	20.9489	-452.561	0.3148541	0	0	0	-0.11121942
cov2_6_9_10	20.9513	-452.562	0.3162984	0	0	0	-0.12363911
cov2_6_7_10	20.9821	-452.578	0.3173461	0	0	0	-0.12295999
cov2_6_8_10	20.9926	-452.583	0.3173257	0	0	0	-0.12308956
cov2_6_10_11	20.9932	-452.583	0.3176428	0	0	0	-0.12986377
cov1_3_4_6	20.9995	-452.586	0.3159438	0	-0.26076223	0	0
cov1_2_5_11	21.0103	-452.592	0.322016	0	-0.17807797	0	-0.065033283
cov2_4_6_10	21.0323	-452.603	0.3178081	0	0	0	-0.13934205

cov2_3_6_10	21.1033	-452.638	0.3161478	0	0	0	-0.12303572
cov1_6_7_8	21.1533	-452.663	0.3178488	0	-0.24590059	0	0
cov1_2_9_11	21.1727	-452.673	0.3165972	0	-0.065562476	0	-0.05721686
cov1_5_9_11	21.174	-452.674	0.3180408	0	-0.18084902	0	0
cov1_5_10_11	21.2282	-452.701	0.3182447	0	-0.18338126	0	0
cov1_2_10_11	21.2518	-452.713	0.3167836	0	-0.068145919	0	-0.05621175
cov2_4_9_11	21.3834	-452.778	0.3191218	0	0	0	-0.12619512
cov1_2_4_11	21.4347	-452.804	0.3225509	0	-0.10740732	0	-0.1095544
cov2_4_10_11	21.5022	-452.838	0.3193979	0	0	0	-0.12707721
cov1_4_5_11	21.5095	-452.842	0.3206082	0	-0.22929458	0	0
cov1_3_9_11	21.524	-452.849	0.3140152	0	-0.11502324	0	0
cov2_3_9_11	21.5516	-452.863	0.3160877	0	0	0	-0.096100215
cov1_3_10_11	21.5916	-452.883	0.3142229	0	-0.11660162	0	0
cov2_7_9_11	21.5952	-452.884	0.3173922	0	0	0	-0.092841435
cov2_8_9_11	21.6024	-452.888	0.3173689	0	0	0	-0.093061895
cov1_4_9_11	21.6124	-452.893	0.3159897	0	-0.1235679	0	0
cov2_5_9_11	21.6261	-452.9	0.3173595	0	0	0	-0.097213062
cov1_3_5_11	21.6287	-452.901	0.3202116	0	-0.22520899	0	0
cov2_9_10_11	21.629	-452.901	0.3171563	0	0	0	-0.094741463
cov1_5_7_11	21.636	-452.905	0.3208506	0	-0.22719288	0	0
cov1_5_8_11	21.6374	-452.905	0.3208271	0	-0.22763302	0	0
cov1_7_9_11	21.6556	-452.915	0.3155773	0	-0.11016507	0	0
cov1_8_9_11	21.6578	-452.916	0.3155489	0	-0.110518	0	0
cov1_9_10_11	21.658	-452.916	0.3154821	0	-0.11133336	0	0
cov1_4_10_11	21.6707	-452.922	0.3161821	0	-0.12554847	0	0
cov2_3_10_11	21.6757	-452.925	0.3163798	0	0	0	-0.096772901
cov2_7_10_11	21.7116	-452.943	0.3176635	0	0	0	-0.093406805
cov1_7_10_11	21.7171	-452.945	0.3157594	0	-0.11175777	0	0
cov2_8_10_11	21.7191	-452.946	0.3176404	0	0	0	-0.093627996
cov1_8_10_11	21.7192	-452.946	0.3157308	0	-0.11211007	0	0
cov1_2_5_9	21.7202	-452.947	0.3169342	0	-0.085383111	0	-0.054177936
cov2_5_10_11	21.7469	-452.96	0.3175707	0	0	0	-0.097234708
cov1_2_5_10	21.7742	-452.974	0.317131	0	-0.088561155	0	-0.053643504
cov2_4_7_9	21.7833	-452.978	0.3180797	0	0	0	-0.10338386
cov2_4_8_9	21.8032	-452.988	0.3180197	0	0	0	-0.10313598
cov2_3_7_9	21.8391	-453.006	0.313064	0	0	0	-0.061253854
cov2_4_7_10	21.8635	-453.019	0.3183661	0	0	0	-0.10472512
cov1_2_4_9	21.8768	-453.025	0.3163178	0	-0.030272324	0	-0.080625052
cov2_3_8_9	21.8818	-453.028	0.3131373	0	0	0	-0.061411039
cov2_4_8_10	21.8834	-453.028	0.3183055	0	0	0	-0.10447366
cov2_3_7_10	21.9212	-453.047	0.3133521	0	0	0	-0.062693255
cov1_2_4_10	21.9342	-453.054	0.3165014	0	-0.032905767	0	-0.08000962
cov2_3_8_10	21.9637	-453.069	0.3134265	0	0	0	-0.062849382
cov2_3_4_9	21.9844	-453.079	0.3174997	0	0	0	-0.10223787
cov2_3_6_7	21.9919	-453.083	0.3161609	0	0	0	-0.12383854
cov2_4_5_9	21.9958	-453.085	0.3167502	0	0	0	-0.098545067
cov2_4_9_10	21.9958	-453.085	0.3167837	0	0	0	-0.09882389



cov2_5_7_9	22.0368	-453.105	0.3167863	0	0	0	-0.081354797
cov2_3_6_8	22.0439	-453.109	0.3162665	0	0	0	-0.12445053
cov2_5_8_9	22.052	-453.113	0.3167455	0	0	0	-0.081366586
cov1_2_5_7	22.0551	-453.114	0.3202953	0	-0.12490318	0	-0.058330963
cov1_5_7_9	22.058	-453.116	0.3164909	0	-0.12527967	0	0
cov1_4_5_9	22.0607	-453.117	0.3158946	0	-0.13041614	0	0
cov2_3_4_10	22.0645	-453.119	0.3177961	0	0	0	-0.1035745
cov1_2_5_8	22.0687	-453.121	0.3202577	0	-0.12508663	0	-0.058283229
cov1_5_8_9	22.0706	-453.122	0.3164524	0	-0.12545114	0	0
cov2_4_5_10	22.0752	-453.124	0.3169642	0	0	0	-0.099387244
cov2_7_8_9	22.0962	-453.135	0.315279	0	0	0	-0.063281758
cov1_5_7_10	22.1028	-453.138	0.3166684	0	-0.12746927	0	0
cov1_4_5_10	22.1085	-453.141	0.3160765	0	-0.13276164	0	0
cov1_2_7_9	22.115	-453.144	0.314904	0	-0.015853885	0	-0.050868246
cov1_5_8_10	22.1154	-453.144	0.316631	0	-0.12760609	0	0
cov2_5_7_10	22.128	-453.151	0.316999	0	0	0	-0.081711445
cov1_2_8_9	22.1295	-453.152	0.3148619	0	-0.015958189	0	-0.050816791
cov1_3_7_11	22.134	-453.154	0.3143408	0	-0.12628952	0	0
cov1_2_3_11	22.1362	-453.155	0.3170191	0	-0.093369629	0	-0.05980514
cov1_3_5_9	22.1412	-453.157	0.3166722	0	-0.13281323	0	0
cov2_5_8_10	22.1432	-453.158	0.3169584	0	0	0	-0.081720509
cov1_2_3_5	22.148	-453.161	0.3207558	0	-0.13539201	0	-0.058729378
cov2_7_9_10	22.149	-453.161	0.3153419	0	0	0	-0.063382608
cov1_5_9_10	22.1577	-453.166	0.3158827	0	-0.12722459	0	0
cov2_8_9_10	22.1639	-453.169	0.3153029	0	0	0	-0.063413961
cov2_3_5_9	22.171	-453.172	0.3158265	0	0	0	-0.080943182
cov2_5_9_10	22.1722	-453.173	0.3160452	0	0	0	-0.081668018
cov2_7_8_10	22.1725	-453.173	0.3155663	0	0	0	-0.064697385
cov1_2_4_5	22.1744	-453.174	0.3197362	0	-0.12356233	0	-0.063112338
cov1_3_8_11	22.1754	-453.174	0.3144323	0	-0.1270885	0	0
cov1_2_7_10	22.1765	-453.175	0.3150832	0	-0.018748905	0	-0.049867744
cov1_3_7_9	22.183	-453.178	0.3118328	0	-0.056971232	0	0
cov1_3_5_10	22.1841	-453.179	0.3168734	0	-0.13511924	0	0
cov1_2_8_10	22.1909	-453.182	0.3150406	0	-0.018852937	0	-0.049815613
cov1_3_8_9	22.2244	-453.199	0.3118977	0	-0.057177788	0	0
cov1_2_3_9	22.2266	-453.2	0.3135605	0	-0.017264675	0	-0.049828726
cov1_2_9_10	22.2409	-453.207	0.3141326	0	-0.017442573	0	-0.049971243
cov1_3_7_10	22.2415	-453.208	0.312038	0	-0.058875492	0	0
cov2_3_5_10	22.2625	-453.218	0.316019	0	0	0	-0.081231093
cov2_3_9_10	22.2673	-453.22	0.3140482	0	0	0	-0.063467967
cov1_3_8_10	22.2822	-453.228	0.312103	0	-0.059082865	0	0
cov1_2_3_10	22.2886	-453.231	0.3137635	0	-0.020147011	0	-0.048852276
cov2_3_7_11	22.2933	-453.233	0.3164334	0	0	0	-0.10404706
cov2_3_8_11	22.3475	-453.261	0.3165497	0	0	0	-0.10458581
cov2_4_6_7	22.3565	-453.265	0.3239869	0	0	0	-0.17222863
cov2_4_6_8	22.3754	-453.274	0.3239543	0	0	0	-0.17224465
cov1_2_4_7	22.4273	-453.3	0.3211523	0	-0.051872964	0	-0.10296234

cov1_4_7_9	22.4459	-453.31	0.3146902	0	-0.072382974	0	0
cov1_2_4_8	22.45	-453.312	0.3210961	0	-0.051947195	0	-0.10273193
cov1_7_8_9	22.4507	-453.312	0.3140072	0	-0.059135526	0	0
cov1_4_5_7	22.461	-453.317	0.3190797	0	-0.17486381	0	0
cov1_4_8_9	22.461	-453.317	0.3146413	0	-0.072286038	0	0
cov1_4_5_8	22.4712	-453.322	0.3190415	0	-0.17503163	0	0
cov2_3_4_7	22.4764	-453.325	0.3182209	0	0	0	-0.11485014
cov1_2_7_11	22.4786	-453.326	0.3201788	0	-0.087196403	0	-0.06093994
cov2_4_7_11	22.4819	-453.328	0.3243733	0	0	0	-0.16192177
cov1_2_8_11	22.4827	-453.328	0.3201537	0	-0.087536995	0	-0.060940087
cov1_4_7_10	22.4893	-453.331	0.3148723	0	-0.074533056	0	0
cov2_4_6_11	22.4968	-453.335	0.3238823	0	0	0	-0.17798105
cov1_7_9_10	22.4971	-453.335	0.3140626	0	-0.059448832	0	0
cov1_7_8_10	22.4972	-453.335	0.3141809	0	-0.06107399	0	0
cov2_4_8_11	22.4993	-453.336	0.3243418	0	0	0	-0.16196506
cov1_4_8_10	22.5042	-453.339	0.3148231	0	-0.074435774	0	0
cov1_8_9_10	22.5108	-453.342	0.3140218	0	-0.059508805	0	0
cov1_3_5_7	22.5135	-453.344	0.3176401	0	-0.15473729	0	0
cov1_5_7_8	22.5184	-453.346	0.3193368	0	-0.17333541	0	0
cov1_3_4_5	22.5278	-453.351	0.3190729	0	-0.18104014	0	0
cov2_3_4_8	22.5285	-453.351	0.3183768	0	0	0	-0.11582419
cov1_3_5_8	22.5384	-453.356	0.3178342	0	-0.15735076	0	0
cov2_4_5_6	22.559	-453.366	0.3222191	0	0	0	-0.1740993
cov1_3_4_11	22.5742	-453.374	0.3170686	0	-0.15735566	0	0
cov1_3_4_9	22.5754	-453.374	0.3133132	0	-0.068698395	0	0
cov1_4_9_10	22.5776	-453.376	0.3137859	0	-0.070637986	0	0
cov1_3_9_10	22.5936	-453.384	0.3127177	0	-0.059912809	0	0
cov2_4_5_11	22.607	-453.39	0.3235106	0	0	0	-0.16383205
cov1_3_4_10	22.6197	-453.397	0.3135533	0	-0.071133327	0	0
cov1_2_3_7	22.6336	-453.404	0.3137381	0	-0.029594422	0	-0.051952127
cov2_3_4_11	22.65	-453.412	0.3225568	0	0	0	-0.15881055
cov3_5_7_9	22.6546	-453.414	0.3097042	0	0	0	0
cov1_2_3_8	22.6918	-453.433	0.313825	0	-0.030005703	0	-0.051939556
cov2_3_4_6	22.6937	-453.434	0.3219776	0	0	0	-0.16642317
cov2_3_7_8	22.713	-453.443	0.314559	0	0	0	-0.076321679
cov3_5_8_9	22.7142	-453.444	0.309807	0	0	0	0
cov2_3_5_7	22.7177	-453.446	0.3158745	0	0	0	-0.088217029
cov3_5_6_9	22.7327	-453.453	0.308669	0	0	0	0
cov1_2_3_4	22.7382	-453.456	0.320281	0	-0.054517103	0	-0.10090232
cov1_4_7_11	22.7411	-453.457	0.3200051	0	-0.16155442	0	0
cov3_4_7_9	22.7446	-453.459	0.3101251	0	0	0	0
cov1_4_8_11	22.7473	-453.46	0.3199757	0	-0.16181817	0	0
cov3_5_7_10	22.7476	-453.461	0.3098699	0	0	0	0
cov2_4_7_8	22.7601	-453.467	0.3227018	0	0	0	-0.14065653
cov2_3_5_8	22.7746	-453.474	0.3160461	0	0	0	-0.089218017
cov3_4_8_9	22.7985	-453.486	0.3102149	0	0	0	0
cov2_4_5_7	22.8045	-453.489	0.3226618	0	0	0	-0.13987501

cov3_5_8_10	22.8071	-453.49	0.3099728	0	0	0	0
cov2_4_5_8	22.8286	-453.501	0.3226148	0	0	0	-0.13973347
cov2_3_6_11	22.8339	-453.504	0.3192949	0	0	0	-0.13826678
cov5_6_7_9	22.8426	-453.508	0.3121913	0	0	0	0
cov5_6_8_9	22.8546	-453.514	0.3121583	0	0	0	0
cov3_5_6_10	22.8606	-453.517	0.3089446	0	0	0	0
cov3_4_7_10	22.8643	-453.519	0.3103624	0	0	0	0
cov3_4_8_10	22.9182	-453.546	0.3104532	0	0	0	0
cov4_5_6_9	22.9489	-453.561	0.3114235	0	0	0	0
cov2_6_7_11	22.9537	-453.564	0.3222509	0	0	0	-0.13577124
cov5_6_7_10	22.9616	-453.568	0.3124271	0	0	0	0
cov5_6_9_10	22.964	-453.569	0.3114039	0	0	0	0
cov5_6_9_11	22.9646	-453.569	0.3116843	0	0	0	0
cov2_6_8_11	22.9648	-453.569	0.3222386	0	0	0	-0.13597887
cov5_6_8_10	22.9735	-453.574	0.3123928	0	0	0	0
cov1_3_7_8	22.9935	-453.584	0.3129004	0	-0.074164532	0	0
cov2_5_6_7	22.9957	-453.585	0.3220614	0	0	0	-0.13559223
cov1_7_8_11	22.9969	-453.585	0.3191532	0	-0.13644142	0	0
cov2_5_6_8	23.0097	-453.592	0.3220324	0	0	0	-0.1357223
cov1_3_4_7	23.0115	-453.592	0.3136631	0	-0.083597864	0	0
cov2_6_7_8	23.0323	-453.603	0.321437	0	0	0	-0.12908183
cov2_3_5_11	23.063	-453.618	0.3196796	0	0	0	-0.12431911
cov2_5_6_11	23.0633	-453.618	0.3221581	0	0	0	-0.14235164
cov1_3_4_8	23.0666	-453.62	0.3137855	0	-0.084490043	0	0
cov4_5_6_10	23.0737	-453.624	0.3116587	0	0	0	0
cov5_6_10_11	23.0864	-453.63	0.3118879	0	0	0	0
cov2_3_5_6	23.0911	-453.632	0.3188018	0	0	0	-0.13164823
cov3_4_6_9	23.0954	-453.634	0.310527	0	0	0	0
cov2_5_7_11	23.1199	-453.647	0.3226377	0	0	0	-0.12712468
cov3_5_9_11	23.1247	-453.649	0.3109669	0	0	0	0
cov2_5_8_11	23.1323	-453.653	0.3226157	0	0	0	-0.12729619
cov2_3_4_5	23.1493	-453.661	0.3213766	0	0	0	-0.13768466
cov3_5_10_11	23.2392	-453.706	0.3111814	0	0	0	0
cov3_4_9_11	23.2433	-453.708	0.3115132	0	0	0	0
cov4_6_7_9	23.2498	-453.712	0.3136151	0	0	0	0
cov2_7_8_11	23.2532	-453.713	0.3216626	0	0	0	-0.11175042
cov5_7_9_11	23.257	-453.715	0.3138144	0	0	0	0
cov4_6_8_9	23.2595	-453.717	0.3135724	0	0	0	0
cov3_4_6_10	23.2626	-453.718	0.310923	0	0	0	0
cov5_8_9_11	23.2692	-453.721	0.3137779	0	0	0	0
cov2_5_7_8	23.2854	-453.729	0.3216222	0	0	0	-0.11498287
cov5_7_8_9	23.2932	-453.733	0.3136735	0	0	0	0
cov4_5_9_11	23.3131	-453.743	0.3132493	0	0	0	0
cov4_6_9_10	23.3182	-453.746	0.3130216	0	0	0	0
cov4_6_9_11	23.3222	-453.748	0.3130414	0	0	0	0
cov4_5_7_9	23.3298	-453.752	0.3136539	0	0	0	0
cov3_4_5_9	23.3326	-453.753	0.311269	0	0	0	0

cov5_9_10_11	23.3357	-453.755	0.3132521	0	0	0	0
cov5_7_9_10	23.3392	-453.756	0.3137048	0	0	0	0
cov4_5_8_9	23.3442	-453.759	0.3136131	0	0	0	0
cov5_8_9_10	23.3548	-453.764	0.3136655	0	0	0	0
cov5_7_10_11	23.3594	-453.766	0.3139956	0	0	0	0
cov4_7_8_9	23.3597	-453.767	0.3139862	0	0	0	0
cov5_8_10_11	23.3717	-453.773	0.3139593	0	0	0	0
cov3_4_9_10	23.3782	-453.776	0.3116063	0	0	0	0
cov5_7_8_10	23.3843	-453.779	0.3138494	0	0	0	0
cov3_4_10_11	23.3887	-453.781	0.311799	0	0	0	0
cov3_5_9_10	23.3909	-453.782	0.3114955	0	0	0	0
cov4_7_9_11	23.3917	-453.783	0.3141609	0	0	0	0
cov4_8_9_11	23.4023	-453.788	0.3141235	0	0	0	0
cov4_6_7_10	23.4051	-453.789	0.3139617	0	0	0	0
cov4_7_9_10	23.4107	-453.792	0.3140321	0	0	0	0
cov4_6_8_10	23.4149	-453.794	0.3139189	0	0	0	0
cov4_8_9_10	23.4232	-453.798	0.3139886	0	0	0	0
cov4_5_10_11	23.4233	-453.798	0.3134226	0	0	0	0
cov4_5_7_10	23.4244	-453.799	0.3138403	0	0	0	0
cov3_4_5_10	23.4318	-453.803	0.3114558	0	0	0	0
cov1_2_7_8	23.4385	-453.806	0.3183442	0	-0.037616485	0	-0.054551364
cov4_5_8_10	23.4389	-453.806	0.3137989	0	0	0	0
cov4_5_9_10	23.4425	-453.808	0.3129395	0	0	0	0
cov4_9_10_11	23.4534	-453.813	0.3136943	0	0	0	0
cov4_6_10_11	23.4775	-453.826	0.3133398	0	0	0	0
cov3_7_9_11	23.4779	-453.826	0.3132793	0	0	0	0
cov4_7_8_10	23.48	-453.827	0.3142539	0	0	0	0
cov3_7_8_9	23.4847	-453.829	0.3137643	0	0	0	0
cov3_6_7_9	23.505	-453.839	0.3135553	0	0	0	0
cov4_7_10_11	23.5213	-453.847	0.3144043	0	0	0	0
cov3_8_9_11	23.5309	-453.852	0.3133662	0	0	0	0
cov4_8_10_11	23.5321	-453.853	0.3143666	0	0	0	0
cov3_7_9_10	23.5405	-453.857	0.3137811	0	0	0	0
cov3_6_8_9	23.5573	-453.865	0.3136395	0	0	0	0
cov1_4_7_8	23.5744	-453.874	0.3185307	0	-0.11101973	0	0
cov3_8_9_10	23.5927	-453.883	0.3138658	0	0	0	0
cov3_7_10_11	23.6306	-453.902	0.3135842	0	0	0	0
cov3_6_7_10	23.6597	-453.917	0.3138877	0	0	0	0
cov3_7_8_10	23.6687	-453.921	0.3142174	0	0	0	0
cov3_8_10_11	23.6839	-453.929	0.3136721	0	0	0	0
cov3_6_8_10	23.7121	-453.943	0.3139734	0	0	0	0
cov7_8_9_11	23.8329	-454.003	0.3156275	0	0	0	0
cov6_7_8_9	23.8672	-454.02	0.315999	0	0	0	0
cov6_7_9_11	23.8904	-454.032	0.3156924	0	0	0	0
cov7_9_10_11	23.8905	-454.032	0.3156858	0	0	0	0
cov6_8_9_11	23.9095	-454.042	0.3156675	0	0	0	0
cov8_9_10_11	23.9097	-454.042	0.3156609	0	0	0	0

cov7_8_9_10	23.9267	-454.05	0.3163579	0	0	0	0
cov6_7_9_10	23.9298	-454.052	0.3160749	0	0	0	0
cov3_5_6_7	23.9432	-454.058	0.3094896	0	0	0	0
cov6_8_9_10	23.9471	-454.06	0.31604	0	0	0	0
cov7_8_10_11	23.9759	-454.075	0.3159119	0	0	0	0
cov6_7_8_10	24.0129	-454.093	0.3163273	0	0	0	0
cov6_7_10_11	24.03	-454.102	0.3159805	0	0	0	0
cov3_5_6_8	24.0384	-454.106	0.309636	0	0	0	0
cov3_6_9_11	24.0468	-454.11	0.3145618	0	0	0	0
cov6_8_10_11	24.0494	-454.111	0.3159549	0	0	0	0
cov3_6_9_10	24.0508	-454.112	0.3146667	0	0	0	0
cov3_9_10_11	24.0621	-454.118	0.3145763	0	0	0	0
cov6_9_10_11	24.0713	-454.122	0.3151423	0	0	0	0
cov3_5_7_11	24.0736	-454.124	0.3107932	0	0	0	0
cov3_4_5_7	24.1243	-454.149	0.3108337	0	0	0	0
cov3_5_7_8	24.1321	-454.153	0.3110407	0	0	0	0
cov3_5_8_11	24.1673	-454.17	0.3109378	0	0	0	0
cov3_6_10_11	24.1934	-454.183	0.3148764	0	0	0	0
cov3_4_5_8	24.2138	-454.194	0.3109673	0	0	0	0
cov3_4_7_8	24.2672	-454.22	0.3114731	0	0	0	0
cov3_4_6_7	24.2951	-454.234	0.3112835	0	0	0	0
cov3_4_7_11	24.3028	-454.238	0.3115063	0	0	0	0
cov3_4_6_8	24.38	-454.277	0.311409	0	0	0	0
cov3_4_8_11	24.3875	-454.281	0.3116319	0	0	0	0
cov1_2_6_9_11	24.8648	-451.022	0.3161954	0	-0.2233572	0	-0.063704973
cov1_2_6_10_11	24.9776	-451.078	0.3164053	0	-0.2256244	0	-0.062422369
cov3_6_7_8	25.0602	-454.617	0.3153004	0	0	0	0
cov3_6_7_11	25.1037	-454.639	0.3151476	0	0	0	0
cov1_5_6_9_11	25.1456	-451.162	0.3172582	0	-0.32442084	0	0
cov3_6_8_11	25.1897	-454.682	0.3152773	0	0	0	0
cov1_5_6_10_11	25.229	-451.204	0.3174805	0	-0.32628367	0	0
cov1_2_5_6_9	25.237	-451.208	0.3164047	0	-0.24357115	0	-0.061363765
cov3_7_8_11	25.2486	-454.711	0.3152685	0	0	0	0
cov1_2_5_6_11	25.3027	-451.241	0.3222435	0	-0.32602674	0	-0.071669034
cov1_2_5_6_10	25.3269	-451.253	0.3166353	0	-0.24651547	0	-0.0604812
cov1_3_6_9_11	25.3592	-451.269	0.313834	0	-0.27389171	0	0
cov1_2_4_6_9	25.3686	-451.274	0.3159522	0	-0.19817831	0	-0.081919112
cov1_3_6_10_11	25.4543	-451.316	0.3140705	0	-0.27503432	0	0
cov1_2_4_6_10	25.4606	-451.32	0.3161748	0	-0.20066125	0	-0.081033939
cov1_6_9_10_11	25.466	-451.322	0.3151017	0	-0.27129568	0	0
cov1_4_6_9_11	25.4661	-451.322	0.3152605	0	-0.27401606	0	0
cov1_6_7_9_11	25.4686	-451.324	0.3151393	0	-0.27066193	0	0
cov1_6_8_9_11	25.4688	-451.324	0.3151367	0	-0.2707326	0	0
cov1_2_6_7_9	25.5203	-451.35	0.3146083	0	-0.18877332	0	-0.058699748
cov1_2_6_8_9	25.522	-451.35	0.3146059	0	-0.18904737	0	-0.058696348
cov1_4_6_10_11	25.5529	-451.366	0.3154871	0	-0.27569378	0	0
cov1_6_7_10_11	25.5566	-451.368	0.315343	0	-0.27186519	0	0

cov1_6_8_10_11	25.5567	-451.368	0.3153403	0	-0.27193687	0	0
cov1_2_3_6_9	25.5755	-451.377	0.3134903	0	-0.19097137	0	-0.057892426
cov1_2_6_9_10	25.5894	-451.384	0.3140486	0	-0.19121516	0	-0.058012569
cov1_2_6_7_10	25.6166	-451.398	0.3148211	0	-0.19144855	0	-0.057422858
cov1_2_6_8_10	25.6182	-451.398	0.3148185	0	-0.19172092	0	-0.057419407
cov1_4_5_6_9	25.6292	-451.404	0.3151595	0	-0.29399652	0	0
cov1_2_3_6_10	25.673	-451.426	0.3137318	0	-0.19361989	0	-0.056647046
cov1_4_5_6_10	25.7094	-451.444	0.3153813	0	-0.29588158	0	0
cov1_5_6_7_9	25.7449	-451.462	0.3157923	0	-0.28546457	0	0
cov1_5_6_8_9	25.7465	-451.463	0.3157887	0	-0.28570354	0	0
cov1_3_5_6_9	25.7941	-451.486	0.3157781	0	-0.29064977	0	0
cov1_5_6_9_10	25.7985	-451.489	0.3153468	0	-0.28759816	0	0
cov1_3_6_7_9	25.8078	-451.493	0.3119332	0	-0.23123063	0	0
cov1_3_6_8_9	25.8158	-451.497	0.3119673	0	-0.23203633	0	0
cov1_5_6_7_10	25.8181	-451.498	0.3159987	0	-0.28723048	0	0
cov1_5_6_8_10	25.8196	-451.499	0.315995	0	-0.28746789	0	0
cov1_4_5_6_11	25.8406	-451.51	0.3205891	0	-0.38174456	0	0
cov1_2_4_6_11	25.8597	-451.519	0.3228823	0	-0.24964433	0	-0.11409146
cov1_3_5_6_10	25.8657	-451.522	0.3160286	0	-0.29268235	0	0
cov1_3_6_7_10	25.8948	-451.537	0.3121805	0	-0.232836	0	0
cov1_3_6_8_10	25.9025	-451.541	0.3122141	0	-0.23363168	0	0
cov3_4_5_11	25.9648	-455.069	0.3145158	0	0	0	0
cov3_4_6_11	25.9805	-455.077	0.3152904	0	0	0	0
cov3_4_5_6	25.9903	-455.082	0.3147781	0	0	0	0
cov1_6_7_9_10	26.0296	-451.604	0.3137787	0	-0.23564576	0	0
cov1_6_8_9_10	26.0312	-451.605	0.3137709	0	-0.23590702	0	0
cov1_4_6_7_9	26.0327	-451.606	0.3139641	0	-0.2383523	0	0
cov1_4_6_8_9	26.0343	-451.607	0.3139592	0	-0.2385762	0	0
cov1_6_7_8_9	26.036	-451.607	0.3137594	0	-0.23510617	0	0
cov1_3_5_6_11	26.0529	-451.616	0.3203889	0	-0.37387614	0	0
cov1_5_6_7_11	26.0647	-451.622	0.3210743	0	-0.3766974	0	0
cov1_5_6_8_11	26.0648	-451.622	0.3210719	0	-0.37677972	0	0
cov1_3_6_9_10	26.0715	-451.625	0.3126423	0	-0.23705872	0	0
cov1_3_4_6_9	26.0771	-451.628	0.3124992	0	-0.23559621	0	0
cov1_2_5_6_7	26.0828	-451.631	0.3206156	0	-0.28724875	0	-0.066208827
cov1_2_5_6_8	26.0847	-451.632	0.3206121	0	-0.28754162	0	-0.066204481
cov1_4_6_9_10	26.092	-451.635	0.3133325	0	-0.23859582	0	0
cov3_5_6_11	26.0969	-455.135	0.3153797	0	0	0	0
cov1_4_6_7_10	26.1051	-451.642	0.314191	0	-0.24033763	0	0
cov1_4_6_8_10	26.1068	-451.643	0.3141855	0	-0.24056303	0	0
cov1_6_7_8_10	26.1096	-451.644	0.3139629	0	-0.23673884	0	0
cov1_2_3_5_6	26.1477	-451.663	0.32091	0	-0.29600147	0	-0.066500727
cov1_3_4_6_10	26.1533	-451.666	0.3128022	0	-0.23788886	0	0
cov1_2_4_5_6	26.166	-451.672	0.3200755	0	-0.29062444	0	-0.066276156
cov4_6_7_8	26.27	-455.222	0.3205582	0	0	0	0
cov5_6_7_8	26.2928	-455.233	0.3206118	0	0	0	0
cov4_5_6_7	26.3032	-455.238	0.320493	0	0	0	0

cov4_6_7_11	26.3037	-455.239	0.3203642	0	0	0	0
cov4_5_6_8	26.3221	-455.248	0.3204535	0	0	0	0
cov4_6_8_11	26.3235	-455.248	0.3203332	0	0	0	0
cov5_6_7_11	26.329	-455.251	0.3204641	0	0	0	0
cov5_6_8_11	26.3506	-455.262	0.3204361	0	0	0	0
cov4_5_7_11	26.3629	-455.268	0.3202362	0	0	0	0
cov5_7_8_11	26.3641	-455.269	0.3203835	0	0	0	0
cov4_7_8_11	26.3815	-455.277	0.3203077	0	0	0	0
cov4_5_8_11	26.3826	-455.278	0.3202087	0	0	0	0
cov4_5_7_8	26.3933	-455.283	0.3206912	0	0	0	0
cov6_7_8_11	26.4019	-455.288	0.3209904	0	0	0	0
cov1_2_3_6_11	26.4581	-451.818	0.3170727	0	-0.23904367	0	-0.066316411
cov4_5_6_11	26.5255	-455.35	0.3195936	0	0	0	0
cov1_4_5_6_7	26.5324	-451.856	0.3190881	0	-0.34342897	0	0
cov1_4_5_6_8	26.5333	-451.856	0.3190842	0	-0.34362819	0	0
cov1_3_4_5_6	26.5642	-451.871	0.3188169	0	-0.3466302	0	0
cov1_3_6_7_11	26.5881	-451.883	0.3144754	0	-0.27337873	0	0
cov1_3_6_8_11	26.5994	-451.889	0.3145286	0	-0.27460473	0	0
cov1_2_4_6_7	26.6001	-451.889	0.3215637	0	-0.2079126	0	-0.10864521
cov1_2_4_6_8	26.6043	-451.891	0.3215558	0	-0.20839525	0	-0.1085686
cov1_3_5_6_7	26.689	-451.934	0.3180098	0	-0.31932086	0	0
cov1_3_5_6_8	26.6939	-451.936	0.3180744	0	-0.32058639	0	0
cov1_2_3_6_7	26.7077	-451.943	0.3139511	0	-0.18853095	0	-0.059681197
cov1_2_3_6_8	26.7238	-451.951	0.3140068	0	-0.18983708	0	-0.059709863
cov1_5_6_7_8	26.7368	-451.958	0.3196915	0	-0.33726659	0	0
cov1_2_6_7_11	26.8288	-452.004	0.3202299	0	-0.23249685	0	-0.067445298
cov1_2_6_8_11	26.829	-452.004	0.3202299	0	-0.23263018	0	-0.067447269
cov1_2_3_4_6	26.8463	-452.013	0.3203398	0	-0.21131313	0	-0.10512618
cov1_3_4_6_11	27.0647	-452.122	0.3169241	0	-0.29915263	0	0
cov1_3_4_6_7	27.2367	-452.208	0.3134941	0	-0.23929594	0	0
cov1_3_6_7_8	27.2403	-452.21	0.3131683	0	-0.23555681	0	0
cov1_3_4_6_8	27.2529	-452.216	0.3135609	0	-0.24074429	0	0
cov2_4_5_6_9	27.2875	-452.233	0.3158283	0	0	0	-0.14542428
cov1_4_6_7_11	27.29	-452.234	0.3201565	0	-0.30292027	0	0
cov1_4_6_8_11	27.2907	-452.235	0.3201548	0	-0.3031057	0	0
cov2_4_5_6_10	27.428	-452.303	0.3161139	0	0	0	-0.14526737
cov1_6_7_8_11	27.505	-452.342	0.3192733	0	-0.28330583	0	0
cov2_3_6_7_9	27.5165	-452.348	0.3148101	0	0	0	-0.12083811
cov2_3_6_8_9	27.5469	-452.363	0.3148812	0	0	0	-0.12123871
cov1_2_6_7_8	27.5699	-452.374	0.3185496	0	-0.19634175	0	-0.062192546
cov2_5_6_9_11	27.6004	-452.39	0.3155409	0	0	0	-0.11819613
cov1_2_5_9_11	27.6094	-452.394	0.3194545	0	-0.13686205	0	-0.061483115
cov2_5_6_7_9	27.6541	-452.416	0.3152921	0	0	0	-0.11166981
cov2_5_6_8_9	27.663	-452.421	0.3152681	0	0	0	-0.11174477
cov1_2_5_10_11	27.6727	-452.426	0.3196926	0	-0.14052124	0	-0.061055456
cov2_3_6_7_10	27.6816	-452.43	0.3151333	0	0	0	-0.12066295
cov1_2_4_9_11	27.6907	-452.435	0.3192365	0	-0.08318843	0	-0.09246932

cov2_4_6_7_9	27.6915	-452.435	0.3185718	0	0	0	-0.14268093
cov2_4_6_8_9	27.7044	-452.442	0.318534	0	0	0	-0.14261923
cov2_3_6_8_10	27.7124	-452.446	0.3152061	0	0	0	-0.12106227
cov2_3_5_6_9	27.7151	-452.447	0.3129747	0	0	0	-0.1086037
cov2_4_6_9_11	27.7221	-452.45	0.3185932	0	0	0	-0.14722774
cov2_6_7_9_11	27.7326	-452.456	0.3176844	0	0	0	-0.12878422
cov2_6_8_9_11	27.741	-452.46	0.3176718	0	0	0	-0.12895862
cov1_2_4_10_11	27.7618	-452.47	0.3194503	0	-0.085661823	0	-0.092118586
cov2_3_6_9_11	27.773	-452.476	0.3165997	0	0	0	-0.13070683
cov2_5_6_10_11	27.7737	-452.476	0.3158102	0	0	0	-0.11728401
cov2_5_6_9_10	27.7845	-452.482	0.3145619	0	0	0	-0.11176366
cov2_6_7_8_9	27.7893	-452.484	0.3169472	0	0	0	-0.12264864
cov2_6_9_10_11	27.8101	-452.494	0.3173363	0	0	0	-0.13056192
cov2_5_6_7_10	27.8124	-452.496	0.3155877	0	0	0	-0.11099021
cov2_6_7_9_10	27.8125	-452.496	0.3169974	0	0	0	-0.12330282
cov2_5_6_8_10	27.8214	-452.5	0.3155621	0	0	0	-0.11106552
cov2_6_8_9_10	27.8228	-452.501	0.3169777	0	0	0	-0.12343223
cov2_4_6_7_10	27.8487	-452.514	0.3189528	0	0	0	-0.14302244
cov2_4_6_8_10	27.8619	-452.52	0.3189159	0	0	0	-0.14295436
cov2_4_6_9_10	27.8651	-452.522	0.3174501	0	0	0	-0.13939262
cov2_3_4_6_9	27.8672	-452.523	0.3174628	0	0	0	-0.13917325
cov2_3_5_6_10	27.8762	-452.527	0.3132819	0	0	0	-0.1079869
cov2_4_6_10_11	27.8927	-452.536	0.3189355	0	0	0	-0.14729338
cov2_6_7_10_11	27.9054	-452.542	0.3179998	0	0	0	-0.1281958
cov2_6_8_10_11	27.914	-452.546	0.3179882	0	0	0	-0.12837232
cov1_4_6_7_8	27.9238	-452.551	0.3188072	0	-0.26601818	0	0
cov2_3_6_9_10	27.9316	-452.555	0.3157851	0	0	0	-0.12336575
cov2_3_6_10_11	27.9516	-452.565	0.3169223	0	0	0	-0.13017328
cov2_6_7_8_10	27.9524	-452.566	0.3172889	0	0	0	-0.12235859
cov1_2_4_5_11	27.9716	-452.575	0.3223713	0	-0.16797689	0	-0.077306218
cov1_2_3_5_11	28.0013	-452.59	0.3216452	0	-0.17626678	0	-0.064796359
cov1_2_5_7_11	28.0032	-452.591	0.322073	0	-0.17701887	0	-0.065015349
cov1_2_5_8_11	28.0045	-452.592	0.3220495	0	-0.17746033	0	-0.065022052
cov2_3_4_6_10	28.027	-452.603	0.3178744	0	0	0	-0.13962382
cov1_2_3_9_11	28.0391	-452.609	0.31515	0	-0.06952595	0	-0.056770621
cov1_4_5_9_11	28.0823	-452.63	0.318038	0	-0.18362128	0	0
cov1_2_3_10_11	28.1223	-452.65	0.315355	0	-0.072014894	0	-0.055869788
cov1_4_5_10_11	28.1387	-452.659	0.3182534	0	-0.18639643	0	0
cov1_3_5_9_11	28.159	-452.669	0.3174628	0	-0.17763409	0	0
cov1_2_7_9_11	28.1634	-452.671	0.3166935	0	-0.064416316	0	-0.057217291
cov1_2_8_9_11	28.1655	-452.672	0.316665	0	-0.064772904	0	-0.057216228
cov1_5_9_10_11	28.1669	-452.673	0.3180568	0	-0.18137616	0	0
cov1_2_9_10_11	28.1675	-452.673	0.3165972	0	-0.065581462	0	-0.057196004
cov1_5_7_9_11	28.1679	-452.673	0.3180815	0	-0.18014493	0	0
cov1_5_8_9_11	28.1687	-452.674	0.3180564	0	-0.18058389	0	0
cov1_3_5_10_11	28.2144	-452.697	0.3177079	0	-0.18044751	0	0
cov1_5_7_10_11	28.222	-452.7	0.3182873	0	-0.18265111	0	0



cov1_5_8_10_11	28.2229	-452.701	0.3182621	0	-0.18308813	0	0
cov1_2_7_10_11	28.2423	-452.71	0.3168833	0	-0.066968524	0	-0.056215915
cov1_2_8_10_11	28.2445	-452.712	0.3168546	0	-0.067324903	0	-0.056213921
cov2_4_5_9_11	28.2446	-452.712	0.3187288	0	0	0	-0.12589014
cov2_3_7_9_11	28.2569	-452.718	0.3150264	0	0	0	-0.091230684
cov2_3_8_9_11	28.2907	-452.735	0.3151129	0	0	0	-0.091597515
cov2_4_7_9_11	28.2999	-452.739	0.319701	0	0	0	-0.12664155
cov2_4_8_9_11	28.3116	-452.745	0.3196584	0	0	0	-0.12660524
cov1_3_7_9_11	28.315	-452.747	0.3132319	0	-0.10825964	0	0
cov1_3_8_9_11	28.3418	-452.76	0.3133025	0	-0.10883748	0	0
cov2_4_5_10_11	28.3505	-452.765	0.3189607	0	0	0	-0.12647936
cov1_2_4_7_11	28.3669	-452.773	0.3230281	0	-0.10314817	0	-0.11090379
cov2_3_4_9_11	28.3734	-452.776	0.3186896	0	0	0	-0.12443095
cov2_4_9_10_11	28.3742	-452.776	0.3191361	0	0	0	-0.12666579
cov2_3_7_10_11	28.3752	-452.777	0.315292	0	0	0	-0.091958813
cov1_2_4_8_11	28.3761	-452.777	0.3229918	0	-0.10350389	0	-0.11077482
cov1_3_7_10_11	28.3857	-452.782	0.313437	0	-0.10991753	0	0
cov2_3_8_10_11	28.4094	-452.794	0.3153797	0	0	0	-0.09231992
cov1_2_3_4_11	28.41	-452.794	0.3216042	0	-0.10713302	0	-0.10580897
cov1_3_8_10_11	28.4122	-452.795	0.3135079	0	-0.1104908	0	0
cov2_4_7_10_11	28.4139	-452.796	0.3199977	0	0	0	-0.12756555
cov2_4_8_10_11	28.4259	-452.802	0.319955	0	0	0	-0.12752736
cov3_5_6_7_9	28.4661	-452.822	0.3051756	0	0	0	0
cov1_3_4_5_11	28.4822	-452.83	0.3197191	0	-0.22450552	0	0
cov2_3_4_10_11	28.4932	-452.836	0.319015	0	0	0	-0.125539
cov1_4_5_8_11	28.5026	-452.841	0.3205505	0	-0.23034673	0	0
cov1_4_5_7_11	28.5038	-452.841	0.3205757	0	-0.22989336	0	0
cov1_3_4_9_11	28.51	-452.844	0.3143925	0	-0.12032872	0	0
cov1_3_9_10_11	28.5187	-452.849	0.3140198	0	-0.11501911	0	0
cov3_5_6_8_9	28.5262	-452.852	0.3052667	0	0	0	0
cov2_7_8_9_11	28.5386	-452.859	0.3173314	0	0	0	-0.092701611
cov2_3_9_10_11	28.5442	-452.861	0.316069	0	0	0	-0.096222084
cov2_3_5_9_11	28.5444	-452.862	0.3158477	0	0	0	-0.094075571
cov1_3_4_10_11	28.5752	-452.877	0.3146447	0	-0.12254738	0	0
cov1_3_5_7_11	28.583	-452.881	0.3191416	0	-0.20912096	0	0
cov2_5_7_9_11	28.5843	-452.881	0.3176629	0	0	0	-0.09605824
cov2_7_9_10_11	28.5895	-452.884	0.3173907	0	0	0	-0.092891647
cov1_5_7_8_11	28.5907	-452.885	0.3208217	0	-0.22726285	0	0
cov2_5_8_9_11	28.5918	-452.885	0.3176321	0	0	0	-0.096189385
cov1_3_5_8_11	28.5945	-452.887	0.3193194	0	-0.21173294	0	0
cov2_8_9_10_11	28.5967	-452.888	0.3173674	0	0	0	-0.093112087
cov1_4_7_9_11	28.5989	-452.889	0.3161564	0	-0.12255879	0	0
cov1_4_8_9_11	28.6021	-452.89	0.3161214	0	-0.12278622	0	0
cov1_7_8_9_11	28.6042	-452.891	0.3155238	0	-0.10988099	0	0
cov1_4_9_10_11	28.6061	-452.892	0.3159885	0	-0.12351787	0	0
cov1_2_5_7_9	28.6063	-452.892	0.3175873	0	-0.082959813	0	-0.054750599
cov3_5_6_7_10	28.6195	-452.899	0.3055112	0	0	0	0

cov1_2_5_8_9	28.6196	-452.899	0.3175484	0	-0.083136081	0	-0.054705926
cov2_5_9_10_11	28.62	-452.899	0.3173704	0	0	0	-0.097439509
cov1_2_3_7_11	28.621	-452.9	0.3153929	0	-0.079212843	0	-0.058401193
cov1_7_9_10_11	28.6487	-452.914	0.3155784	0	-0.11019222	0	0
cov1_8_9_10_11	28.6508	-452.915	0.3155501	0	-0.11054531	0	0
cov2_7_8_10_11	28.6555	-452.917	0.3176037	0	0	0	-0.093267231
cov1_4_7_10_11	28.6568	-452.918	0.3163536	0	-0.12451265	0	0
cov1_2_4_7_9	28.6597	-452.919	0.317637	0	-0.030188566	0	-0.085287155
cov1_4_8_10_11	28.6601	-452.919	0.3163184	0	-0.12474062	0	0
cov1_2_5_7_10	28.6604	-452.92	0.3177926	0	-0.086187862	0	-0.054236796
cov1_2_3_8_11	28.6616	-452.92	0.3154865	0	-0.079973701	0	-0.058447294
cov1_7_8_10_11	28.666	-452.922	0.3157071	0	-0.11148096	0	0
cov2_3_5_10_11	28.6673	-452.923	0.3160794	0	0	0	-0.094231773
cov2_3_4_7_9	28.6718	-452.925	0.3159011	0	0	0	-0.091557242
cov1_2_5_8_10	28.6737	-452.926	0.3177537	0	-0.086362487	0	-0.054190287
cov3_5_6_8_10	28.6793	-452.929	0.3056002	0	0	0	0
cov1_2_4_8_9	28.6794	-452.929	0.3175757	0	-0.030219076	0	-0.085023229
cov1_2_3_5_9	28.6857	-452.932	0.318015	0	-0.092192306	0	-0.055082672
cov1_2_4_5_9	28.6978	-452.938	0.3170983	0	-0.076959553	0	-0.062826079
cov2_5_7_10_11	28.7026	-452.941	0.3178882	0	0	0	-0.096061926
cov2_3_4_8_9	28.7082	-452.943	0.3160224	0	0	0	-0.092279399
cov2_5_8_10_11	28.7103	-452.945	0.3178567	0	0	0	-0.096190627
cov1_2_5_9_10	28.7131	-452.946	0.3169505	0	-0.085650554	0	-0.054395077
cov1_2_4_7_10	28.7171	-452.948	0.3178336	0	-0.032760587	0	-0.084787899
cov2_4_7_8_9	28.722	-452.95	0.3180308	0	0	0	-0.10343952
cov1_2_4_8_10	28.7368	-452.958	0.3177719	0	-0.032791761	0	-0.08451997
cov1_2_3_5_10	28.738	-452.958	0.3182412	0	-0.095491507	0	-0.054570364
cov1_2_4_5_10	28.7517	-452.965	0.3172946	0	-0.08008917	0	-0.062292684
cov2_3_4_7_10	28.7531	-452.966	0.3161955	0	0	0	-0.093090072
cov2_4_5_7_9	28.7723	-452.975	0.3179428	0	0	0	-0.10232356
cov2_4_7_9_10	28.7774	-452.978	0.3180839	0	0	0	-0.10352654
cov2_3_7_8_9	28.7787	-452.979	0.3130002	0	0	0	-0.061161584
cov2_3_4_8_10	28.7894	-452.984	0.3163171	0	0	0	-0.093799499
cov2_4_5_8_9	28.7927	-452.986	0.3178877	0	0	0	-0.10211764
cov2_4_8_9_10	28.7974	-452.988	0.3180235	0	0	0	-0.10327187
cov2_4_7_8_10	28.8027	-452.991	0.3183184	0	0	0	-0.10478201
cov1_2_3_7_9	28.8051	-452.992	0.3126864	0	-0.014456482	0	-0.049877292
cov2_3_5_7_9	28.8166	-452.998	0.3139099	0	0	0	-0.069109212
cov2_3_7_9_10	28.8324	-453.006	0.3130352	0	0	0	-0.061212802
cov1_2_3_8_9	28.8469	-453.013	0.3127543	0	-0.014682649	0	-0.049854709
cov2_4_5_7_10	28.8483	-453.013	0.3181756	0	0	0	-0.10323851
cov2_3_5_6_7	28.8491	-453.014	0.3138079	0	0	0	-0.11162386
cov1_2_3_4_9	28.8507	-453.015	0.3172734	0	-0.031629131	0	-0.084518959
cov2_3_5_8_9	28.8563	-453.018	0.3140496	0	0	0	-0.069893367
cov2_3_4_6_7	28.858	-453.018	0.3185692	0	0	0	-0.14630123
cov2_3_7_8_10	28.8613	-453.02	0.31329	0	0	0	-0.062606277
cov2_4_5_8_10	28.8688	-453.024	0.3181205	0	0	0	-0.10303175

cov2_3_6_7_11	28.8706	-453.025	0.3168882	0	0	0	-0.13040374
cov1_2_4_9_10	28.8717	-453.025	0.3163165	0	-0.030295809	0	-0.080582289
cov1_2_3_7_10	28.8752	-453.027	0.3128885	0	-0.017108391	0	-0.04911634
cov2_3_8_9_10	28.8754	-453.027	0.3131113	0	0	0	-0.061374046
cov2_3_5_7_10	28.9031	-453.041	0.3140878	0	0	0	-0.069527761
cov2_3_4_6_8	28.9054	-453.042	0.3187125	0	0	0	-0.14727367
cov1_2_3_4_10	28.9061	-453.042	0.3174995	0	-0.034314236	0	-0.084041978
cov2_3_5_6_8	28.9062	-453.042	0.3139598	0	0	0	-0.11251452
cov1_2_3_8_10	28.9165	-453.048	0.3129549	0	-0.01734668	0	-0.049081472
cov2_3_6_8_11	28.9207	-453.05	0.3169994	0	0	0	-0.13104427
cov2_3_5_8_10	28.9431	-453.061	0.3142269	0	0	0	-0.070298405
cov2_3_6_7_8	28.9628	-453.071	0.3161015	0	0	0	-0.12324159
cov2_5_7_8_9	28.9768	-453.078	0.3167373	0	0	0	-0.081373046
cov2_3_4_5_9	28.9791	-453.079	0.3174679	0	0	0	-0.10202542
cov2_3_4_9_10	28.9792	-453.079	0.317498	0	0	0	-0.10226774
cov1_4_5_7_9	28.9877	-453.083	0.316394	0	-0.12828445	0	0
cov2_4_5_9_10	28.9905	-453.085	0.3167535	0	0	0	-0.098616035
cov1_4_5_8_9	28.9981	-453.088	0.3163562	0	-0.12847211	0	0
cov1_5_7_8_9	29.0008	-453.09	0.3164429	0	-0.12517579	0	0
cov1_2_5_7_8	29.0033	-453.091	0.3202691	0	-0.12505526	0	-0.058420991
cov1_3_5_7_9	29.0115	-453.095	0.3149415	0	-0.10893787	0	0
cov1_2_4_5_7	29.0167	-453.098	0.320716	0	-0.11319972	0	-0.070912536
cov1_2_3_5_7	29.0219	-453.1	0.3189691	0	-0.11198551	0	-0.057227767
cov2_5_7_9_10	29.0313	-453.105	0.3167929	0	0	0	-0.081485108
cov1_2_4_5_8	29.0325	-453.106	0.320662	0	-0.113779	0	-0.070441893
cov1_4_5_7_10	29.0353	-453.107	0.3165824	0	-0.13062801	0	0
cov1_3_5_8_9	29.0354	-453.107	0.3151431	0	-0.11161481	0	0
cov1_2_3_5_8	29.0443	-453.111	0.3191667	0	-0.11447486	0	-0.057371508
cov1_4_5_8_10	29.0456	-453.112	0.3165443	0	-0.13081442	0	0
cov1_5_7_8_10	29.0461	-453.112	0.3166214	0	-0.12737205	0	0
cov2_5_8_9_10	29.0465	-453.113	0.3167527	0	0	0	-0.081494218
cov1_3_4_5_9	29.0481	-453.113	0.3164277	0	-0.13411	0	0
cov1_5_7_9_10	29.0528	-453.116	0.3164983	0	-0.12536719	0	0
cov1_4_5_9_10	29.055	-453.117	0.3159012	0	-0.13065992	0	0
cov1_2_7_8_9	29.0571	-453.118	0.3148528	0	-0.01566237	0	-0.050934948
cov2_3_4_5_10	29.0578	-453.118	0.3177029	0	0	0	-0.10294359
cov1_3_5_7_10	29.0603	-453.119	0.3152061	0	-0.1121339	0	0
cov1_5_8_9_10	29.0654	-453.122	0.3164596	0	-0.12550553	0	0
cov2_5_7_8_10	29.0686	-453.124	0.316951	0	0	0	-0.081728197
cov2_3_4_7_11	29.0731	-453.126	0.3194861	0	0	0	-0.1358684
cov1_3_5_8_10	29.0835	-453.131	0.3154035	0	-0.11475205	0	0
cov1_3_7_8_11	29.0893	-453.134	0.3142913	0	-0.12611271	0	0
cov2_7_8_9_10	29.0903	-453.134	0.3152851	0	0	0	-0.063297958
cov1_3_4_5_10	29.0947	-453.137	0.316647	0	-0.13666207	0	0
cov1_2_7_9_10	29.1082	-453.143	0.3149056	0	-0.016100031	0	-0.050697943
cov1_3_4_7_11	29.1087	-453.144	0.3149546	0	-0.13432169	0	0
cov1_2_7_8_10	29.1192	-453.149	0.3150333	0	-0.018572367	0	-0.049928824

cov2_3_4_8_11	29.1196	-453.149	0.3196487	0	0	0	-0.13695062
cov1_2_8_9_10	29.1226	-453.151	0.3148634	0	-0.016206773	0	-0.050644778
cov2_4_5_6_7	29.1228	-453.151	0.3238151	0	0	0	-0.1794012
cov1_3_7_8_9	29.1243	-453.152	0.3117754	0	-0.056828952	0	0
cov1_2_3_4_5	29.127	-453.153	0.3211583	0	-0.12888818	0	-0.067428698
cov1_3_5_9_10	29.136	-453.157	0.3166724	0	-0.13282581	0	0
cov2_4_5_6_8	29.142	-453.16	0.3237879	0	0	0	-0.17945246
cov1_3_4_8_11	29.1479	-453.163	0.3150764	0	-0.13553667	0	0
cov2_3_5_9_10	29.1657	-453.172	0.3158299	0	0	0	-0.081023346
cov1_3_4_7_9	29.1771	-453.178	0.3119573	0	-0.058645027	0	0
cov1_3_7_9_10	29.1779	-453.178	0.3118347	0	-0.056981276	0	0
cov1_3_7_8_10	29.1833	-453.181	0.3119821	0	-0.058743353	0	0
cov1_2_3_4_7	29.2179	-453.198	0.3177976	0	-0.043399499	0	-0.088470564
cov1_3_4_8_9	29.218	-453.198	0.3120547	0	-0.059294578	0	0
cov1_3_8_9_10	29.2192	-453.199	0.3119017	0	-0.057199015	0	0
cov1_2_3_9_10	29.2199	-453.199	0.3135754	0	-0.017496397	0	-0.049673632
cov1_3_4_7_10	29.2348	-453.207	0.3122162	0	-0.061273224	0	0
cov2_3_7_8_11	29.244	-453.211	0.3163769	0	0	0	-0.10396719
cov2_4_5_6_11	29.2449	-453.212	0.3237828	0	0	0	-0.18751627
cov2_4_6_7_11	29.2529	-453.216	0.3247173	0	0	0	-0.17830024
cov1_2_3_4_8	29.2628	-453.221	0.3179378	0	-0.043999048	0	-0.089044615
cov2_4_6_8_11	29.2696	-453.224	0.3246922	0	0	0	-0.17837189
cov1_3_4_8_10	29.2749	-453.227	0.3123132	0	-0.061915554	0	0
cov2_3_5_7_11	29.2838	-453.231	0.3160613	0	0	0	-0.10099718
cov2_4_6_7_8	29.3236	-453.251	0.323943	0	0	0	-0.17181312
cov3_4_6_7_9	29.3337	-453.256	0.308629	0	0	0	0
cov2_3_5_8_11	29.3392	-453.259	0.3162349	0	0	0	-0.10199932
cov3_5_7_9_11	29.3488	-453.264	0.3090719	0	0	0	0
cov1_2_4_7_8	29.3761	-453.277	0.3211271	0	-0.051844957	0	-0.10319738
cov3_4_6_8_9	29.3855	-453.282	0.308712	0	0	0	0
cov1_4_7_8_9	29.3887	-453.284	0.314642	0	-0.07229958	0	0
cov2_4_5_7_11	29.3952	-453.287	0.3242746	0	0	0	-0.16248336
cov3_5_8_9_11	29.4088	-453.294	0.3091775	0	0	0	0
cov1_3_4_5_7	29.41	-453.294	0.3174291	0	-0.15720655	0	0
cov1_4_5_7_8	29.4111	-453.295	0.3190548	0	-0.1750838	0	0
cov2_4_5_8_11	29.4131	-453.296	0.3242435	0	0	0	-0.16252401
cov2_3_4_7_8	29.4226	-453.301	0.3181814	0	0	0	-0.1149882
cov1_3_4_5_8	29.4314	-453.305	0.3176154	0	-0.15979424	0	0
cov1_4_7_8_10	29.4324	-453.306	0.3148254	0	-0.074460023	0	0
cov2_4_7_8_11	29.4326	-453.306	0.3243427	0	0	0	-0.16205745
cov1_4_7_9_10	29.4367	-453.308	0.3146885	0	-0.072416638	0	0
cov1_2_7_8_11	29.4387	-453.309	0.3201465	0	-0.087018211	0	-0.060994047
cov1_7_8_9_10	29.4403	-453.309	0.3140131	0	-0.059316864	0	0
cov1_4_8_9_10	29.4517	-453.315	0.3146399	0	-0.072319885	0	0
cov2_3_4_5_7	29.4537	-453.316	0.3178632	0	0	0	-0.11226213
cov2_3_4_6_11	29.4612	-453.32	0.3226971	0	0	0	-0.17331701
cov1_3_5_7_8	29.4625	-453.321	0.3176	0	-0.1548093	0	0

cov3_5_7_10_11	29.4643	-453.322	0.3092808	0	0	0	0
cov2_3_4_5_8	29.5078	-453.343	0.3180394	0	0	0	-0.11339275
cov3_4_6_7_10	29.5127	-453.346	0.3090307	0	0	0	0
cov3_5_8_10_11	29.5243	-453.351	0.3093866	0	0	0	0
cov2_3_4_5_6	29.5405	-453.36	0.3213616	0	0	0	-0.17074634
cov3_4_6_8_10	29.5646	-453.372	0.3091147	0	0	0	0
cov2_3_4_5_11	29.565	-453.372	0.322176	0	0	0	-0.15850788
cov1_3_4_9_10	29.5657	-453.372	0.3133351	0	-0.068833119	0	0
cov1_2_3_7_8	29.5829	-453.381	0.3136893	0	-0.029491336	0	-0.052022569
cov3_5_7_8_9	29.5936	-453.386	0.3096512	0	0	0	0
cov3_4_5_7_9	29.6215	-453.4	0.3095673	0	0	0	0
cov3_4_7_9_11	29.6258	-453.402	0.3100295	0	0	0	0
cov3_5_6_9_11	29.636	-453.407	0.3086644	0	0	0	0
cov3_5_7_9_10	29.6494	-453.414	0.3097063	0	0	0	0
cov3_4_5_6_9	29.6513	-453.415	0.3083708	0	0	0	0
cov2_3_5_7_8	29.6655	-453.422	0.3158322	0	0	0	-0.088299354
cov3_4_8_9_11	29.6782	-453.428	0.3101202	0	0	0	0
cov3_4_5_8_9	29.6796	-453.429	0.3096667	0	0	0	0
cov3_4_7_8_9	29.6835	-453.431	0.3100726	0	0	0	0
cov3_5_7_8_10	29.6872	-453.433	0.309818	0	0	0	0
cov1_4_7_8_11	29.6999	-453.439	0.3199768	0	-0.16151714	0	0
cov3_5_8_9_10	29.709	-453.444	0.3098102	0	0	0	0
cov3_5_6_9_10	29.712	-453.445	0.3086547	0	0	0	0
cov3_4_5_7_10	29.7183	-453.449	0.3097422	0	0	0	0
cov3_4_7_9_10	29.7384	-453.459	0.3101078	0	0	0	0
cov2_4_5_7_8	29.753	-453.466	0.3226382	0	0	0	-0.14010195
cov3_4_7_10_11	29.7681	-453.473	0.3102926	0	0	0	0
cov3_5_6_10_11	29.7761	-453.477	0.308955	0	0	0	0
cov3_4_5_8_10	29.7765	-453.478	0.3098421	0	0	0	0
cov3_4_5_6_10	29.7909	-453.485	0.3086799	0	0	0	0
cov3_4_8_9_10	29.7926	-453.486	0.3102009	0	0	0	0
cov3_4_7_8_10	29.8039	-453.491	0.3103114	0	0	0	0
cov5_6_7_8_9	29.8069	-453.493	0.3121841	0	0	0	0
cov5_6_7_9_10	29.8184	-453.499	0.312143	0	0	0	0
cov3_4_8_10_11	29.8207	-453.5	0.3103842	0	0	0	0
cov4_5_6_7_9	29.8227	-453.501	0.3121207	0	0	0	0
cov2_3_5_6_11	29.828	-453.503	0.3191708	0	0	0	-0.13760934
cov5_6_8_9_10	29.8303	-453.504	0.3121093	0	0	0	0
cov4_5_6_8_9	29.8339	-453.506	0.3120859	0	0	0	0
cov5_6_7_9_11	29.8349	-453.507	0.31225	0	0	0	0
cov5_6_8_9_11	29.8465	-453.513	0.312221	0	0	0	0
cov2_5_6_7_11	29.9104	-453.545	0.3226503	0	0	0	-0.1401087
cov2_5_6_8_11	29.9222	-453.55	0.3226331	0	0	0	-0.1402796
cov2_6_7_8_11	29.9253	-453.552	0.3222095	0	0	0	-0.1352625
cov4_5_6_9_10	29.9255	-453.552	0.3113797	0	0	0	0
cov5_6_7_8_10	29.9257	-453.552	0.3124199	0	0	0	0
cov4_5_6_9_11	29.9262	-453.552	0.3116435	0	0	0	0

cov5_6_9_10_11	29.9392	-453.559	0.3116328	0	0	0	0
cov4_5_6_7_10	29.9462	-453.562	0.3123724	0	0	0	0
cov5_6_7_10_11	29.9553	-453.567	0.3124678	0	0	0	0
cov4_5_6_8_10	29.9575	-453.568	0.3123318	0	0	0	0
cov1_3_4_7_8	29.9616	-453.57	0.3136211	0	-0.083612797	0	0
cov2_5_6_7_8	29.9655	-453.572	0.3220304	0	0	0	-0.13520382
cov5_6_8_10_11	29.9669	-453.573	0.312438	0	0	0	0
cov3_4_5_9_11	30.0548	-453.617	0.3107546	0	0	0	0
cov4_5_6_10_11	30.0549	-453.617	0.311858	0	0	0	0
cov3_4_6_9_11	30.0721	-453.625	0.3106371	0	0	0	0
cov2_5_7_8_11	30.0738	-453.626	0.3226071	0	0	0	-0.12719922
cov3_4_6_9_10	30.0891	-453.634	0.310539	0	0	0	0
cov3_5_9_10_11	30.1145	-453.647	0.3109759	0	0	0	0
cov3_4_5_10_11	30.1776	-453.678	0.310985	0	0	0	0
cov5_7_8_9_11	30.199	-453.689	0.3137657	0	0	0	0
cov4_6_7_8_9	30.2018	-453.69	0.3135835	0	0	0	0
cov4_5_7_9_11	30.2353	-453.707	0.3137516	0	0	0	0
cov3_4_9_10_11	30.2377	-453.708	0.3115201	0	0	0	0
cov4_6_7_9_11	30.2403	-453.709	0.3135076	0	0	0	0
cov4_6_7_9_10	30.2413	-453.71	0.3136107	0	0	0	0
cov5_7_9_10_11	30.2432	-453.711	0.3137973	0	0	0	0
cov3_4_6_10_11	30.2447	-453.712	0.31102	0	0	0	0
cov4_5_8_9_11	30.2464	-453.713	0.3137136	0	0	0	0
cov4_6_8_9_11	30.2506	-453.715	0.3134748	0	0	0	0
cov4_6_8_9_10	30.251	-453.715	0.3135704	0	0	0	0
cov5_8_9_10_11	30.2553	-453.717	0.3137607	0	0	0	0
cov4_5_7_8_9	30.2707	-453.725	0.3136064	0	0	0	0
cov5_7_8_9_10	30.2799	-453.729	0.3136566	0	0	0	0
cov4_5_9_10_11	30.2999	-453.739	0.3132357	0	0	0	0
cov5_7_8_10_11	30.3019	-453.74	0.3139479	0	0	0	0
cov4_6_9_10_11	30.313	-453.746	0.3130365	0	0	0	0
cov4_5_7_9_10	30.3175	-453.748	0.3136403	0	0	0	0
cov3_4_5_9_10	30.3232	-453.751	0.3112793	0	0	0	0
cov4_5_8_9_10	30.3319	-453.755	0.3135993	0	0	0	0
cov4_7_8_9_11	30.3328	-453.756	0.3141116	0	0	0	0
cov4_5_7_10_11	30.3418	-453.76	0.3139438	0	0	0	0
cov4_7_8_9_10	30.3512	-453.765	0.3139845	0	0	0	0
cov4_5_8_10_11	30.3531	-453.766	0.3139054	0	0	0	0
cov4_6_7_8_10	30.3563	-453.768	0.313932	0	0	0	0
cov4_5_7_8_10	30.3659	-453.772	0.3137938	0	0	0	0
cov4_7_9_10_11	30.3838	-453.781	0.314158	0	0	0	0
cov4_6_7_10_11	30.3926	-453.786	0.3138209	0	0	0	0
cov4_8_9_10_11	30.3943	-453.787	0.3141205	0	0	0	0
cov4_6_8_10_11	30.4033	-453.791	0.3137875	0	0	0	0
cov3_7_8_9_11	30.4123	-453.796	0.313216	0	0	0	0
cov3_6_7_8_9	30.4355	-453.807	0.3134765	0	0	0	0
cov4_7_8_10_11	30.4628	-453.821	0.3143558	0	0	0	0

cov3_7_9_10_11	30.4702	-453.824	0.3132525	0	0	0	0
cov3_6_7_9_11	30.4719	-453.825	0.3132885	0	0	0	0
cov3_7_8_9_10	30.4749	-453.827	0.3137179	0	0	0	0
cov3_6_7_9_10	30.4965	-453.838	0.3135192	0	0	0	0
cov3_8_9_10_11	30.5236	-453.851	0.3133416	0	0	0	0
cov3_6_8_9_11	30.525	-453.852	0.3133703	0	0	0	0
cov3_6_8_9_10	30.5491	-453.864	0.3136063	0	0	0	0
cov3_7_8_10_11	30.5657	-453.872	0.3135223	0	0	0	0
cov3_6_7_8_10	30.5896	-453.884	0.3138086	0	0	0	0
cov3_6_7_10_11	30.6218	-453.9	0.3135884	0	0	0	0
cov3_6_8_10_11	30.675	-453.927	0.3136768	0	0	0	0
cov6_7_8_9_11	30.8259	-454.002	0.3156381	0	0	0	0
cov7_8_9_10_11	30.8269	-454.003	0.3156287	0	0	0	0
cov6_7_8_9_10	30.8616	-454.02	0.3160016	0	0	0	0
cov3_4_5_6_7	30.8815	-454.03	0.3091813	0	0	0	0
cov6_7_9_10_11	30.8844	-454.032	0.3156935	0	0	0	0
cov6_8_9_10_11	30.9035	-454.041	0.3156686	0	0	0	0
cov3_5_6_7_11	30.909	-454.044	0.3095215	0	0	0	0
cov3_5_6_7_8	30.9096	-454.044	0.3095021	0	0	0	0
cov6_7_8_10_11	30.9652	-454.072	0.315926	0	0	0	0
cov3_4_5_6_8	30.974	-454.076	0.3093206	0	0	0	0
cov3_5_6_8_11	31.0047	-454.092	0.3096695	0	0	0	0
cov3_4_5_7_11	31.0154	-454.097	0.3105407	0	0	0	0
cov3_5_7_8_11	31.0258	-454.102	0.3107524	0	0	0	0
cov3_6_9_10_11	31.0413	-454.11	0.3145715	0	0	0	0
cov3_4_5_7_8	31.0751	-454.127	0.3107912	0	0	0	0
cov3_4_5_8_11	31.1064	-454.143	0.310679	0	0	0	0
cov3_4_6_7_8	31.2492	-454.214	0.3112681	0	0	0	0
cov3_4_7_8_11	31.2539	-454.216	0.3114643	0	0	0	0
cov3_4_6_7_11	31.2889	-454.234	0.3113143	0	0	0	0
cov3_4_6_8_11	31.3737	-454.276	0.3114408	0	0	0	0
cov1_2_5_6_9_11	31.4729	-450.828	0.3186438	0	-0.27906264	0	-0.067099389
cov1_2_4_6_9_11	31.5568	-450.87	0.3185311	0	-0.23375246	0	-0.091700645
cov1_2_5_6_10_11	31.5737	-450.879	0.3189014	0	-0.28219868	0	-0.066300503
cov1_2_4_6_10_11	31.6629	-450.923	0.3187716	0	-0.23591223	0	-0.091019794
cov1_2_3_6_9_11	31.7571	-450.97	0.3149565	0	-0.22624946	0	-0.063288373
cov1_2_6_7_9_11	31.8589	-451.021	0.3162338	0	-0.22282174	0	-0.063699517
cov1_2_6_8_9_11	31.859	-451.021	0.3162318	0	-0.22288616	0	-0.063704812
cov1_2_6_9_10_11	31.8593	-451.022	0.3161968	0	-0.2234571	0	-0.06360843
cov1_2_3_6_10_11	31.875	-451.029	0.3151907	0	-0.22838322	0	-0.062096233
cov1_2_6_7_10_11	31.9716	-451.078	0.3164469	0	-0.2250516	0	-0.062416704
cov1_2_6_8_10_11	31.9717	-451.078	0.3164445	0	-0.22511971	0	-0.062417205
cov1_4_5_6_9_11	31.986	-451.085	0.3170618	0	-0.32991994	0	0
cov3_6_7_8_11	32.038	-454.608	0.3150855	0	0	0	0
cov1_4_5_6_10_11	32.0754	-451.13	0.3173006	0	-0.33198536	0	0
cov1_3_5_6_9_11	32.1271	-451.155	0.3166005	0	-0.32076212	0	0
cov1_5_6_9_10_11	32.1403	-451.162	0.3172629	0	-0.32454688	0	0

cov1_5_6_7_9_11	32.1404	-451.162	0.3172606	0	-0.32437446	0	0
cov1_5_6_8_9_11	32.1404	-451.162	0.3172575	0	-0.32443451	0	0
cov1_2_5_6_7_9	32.171	-451.177	0.3168815	0	-0.24083823	0	-0.061749037
cov1_2_5_6_8_9	32.1726	-451.178	0.3168777	0	-0.24109237	0	-0.061742842
cov1_3_5_6_10_11	32.2127	-451.198	0.3168801	0	-0.32299169	0	0
cov1_2_3_5_6_9	32.2183	-451.201	0.317131	0	-0.24793172	0	-0.061962312
cov1_3_6_7_9_11	32.2203	-451.202	0.3132083	0	-0.26679449	0	0
cov1_5_6_7_10_11	32.2239	-451.204	0.3174847	0	-0.32620323	0	0
cov1_5_6_8_10_11	32.2239	-451.204	0.3174816	0	-0.32626415	0	0
cov1_3_6_8_9_11	32.225	-451.204	0.3132383	0	-0.26746728	0	0
cov1_2_4_5_6_9	32.2265	-451.205	0.3165297	0	-0.23873356	0	-0.066133193
cov1_2_5_6_9_10	32.2313	-451.208	0.3164129	0	-0.24368738	0	-0.061475135
cov1_2_4_6_7_9	32.2408	-451.212	0.3169535	0	-0.19628321	0	-0.085453137
cov1_2_4_6_8_9	32.2437	-451.214	0.3169443	0	-0.1966267	0	-0.085379737
cov1_2_5_6_7_10	32.2611	-451.222	0.3171183	0	-0.24381277	0	-0.060881617
cov1_2_5_6_8_10	32.2628	-451.223	0.3171146	0	-0.24406661	0	-0.060876706
cov1_2_4_5_6_11	32.2877	-451.236	0.3224797	0	-0.32010747	0	-0.078297193
cov1_2_3_5_6_11	32.2923	-451.238	0.3218136	0	-0.32392103	0	-0.071393942
cov1_2_5_6_7_11	32.2971	-451.24	0.3222723	0	-0.32545277	0	-0.07165832
cov1_2_5_6_8_11	32.2972	-451.24	0.3222699	0	-0.32552279	0	-0.071659596
cov1_2_3_6_7_9	32.3021	-451.243	0.3128033	0	-0.18548561	0	-0.057785917
cov1_2_3_5_6_10	32.3064	-451.245	0.3174071	0	-0.25111726	0	-0.061118514
cov1_2_3_6_8_9	32.3098	-451.247	0.3128377	0	-0.18627729	0	-0.057799541
cov1_2_4_5_6_10	32.3162	-451.25	0.3167639	0	-0.24155599	0	-0.065344543
cov1_3_6_7_10_11	32.3196	-451.252	0.3134489	0	-0.26801871	0	0
cov1_3_6_8_10_11	32.3242	-451.254	0.3134786	0	-0.26868438	0	0
cov1_2_4_6_7_10	32.3328	-451.258	0.3171885	0	-0.19870423	0	-0.08465942
cov1_2_4_6_8_10	32.3357	-451.26	0.317179	0	-0.19904854	0	-0.084584918
cov1_3_4_6_9_11	32.3501	-451.267	0.3135544	0	-0.27081906	0	0
cov1_3_6_9_10_11	32.3531	-451.268	0.3138457	0	-0.27391285	0	0
cov1_2_3_4_6_9	32.3567	-451.27	0.316498	0	-0.19872167	0	-0.084124872
cov1_2_4_6_9_10	32.3631	-451.273	0.3159488	0	-0.19828025	0	-0.081766105
cov1_2_3_6_7_10	32.4079	-451.296	0.3130472	0	-0.18794421	0	-0.056717097
cov1_2_3_6_8_10	32.4154	-451.3	0.3130802	0	-0.18873219	0	-0.056725488
cov1_3_4_6_10_11	32.4468	-451.315	0.3138598	0	-0.27271337	0	0
cov1_2_3_4_6_10	32.4471	-451.315	0.3167827	0	-0.20126885	0	-0.083463603
cov1_4_6_9_10_11	32.4577	-451.321	0.3152576	0	-0.27399501	0	0
cov1_4_6_7_9_11	32.4597	-451.322	0.3153244	0	-0.27352749	0	0
cov1_4_6_8_9_11	32.4599	-451.322	0.3153207	0	-0.27359214	0	0
cov1_6_7_9_10_11	32.46	-451.322	0.3151412	0	-0.27074976	0	0
cov1_6_8_9_10_11	32.4602	-451.322	0.3151386	0	-0.27082002	0	0
cov1_6_7_8_9_11	32.4629	-451.323	0.3151325	0	-0.27040036	0	0
cov1_2_6_7_9_10	32.5129	-451.348	0.3146116	0	-0.18907856	0	-0.05850056
cov1_2_6_8_9_10	32.5145	-451.349	0.314604	0	-0.18935046	0	-0.058499693
cov1_2_6_7_8_9	32.5146	-451.349	0.3146014	0	-0.18850646	0	-0.058695695
cov1_4_6_7_10_11	32.5463	-451.365	0.315556	0	-0.27517004	0	0
cov1_4_6_8_10_11	32.5465	-451.365	0.3155523	0	-0.27523712	0	0



cov1_6_7_8_10_11	32.5509	-451.367	0.3153364	0	-0.27160681	0	0
cov1_2_3_6_9_10	32.5684	-451.376	0.3135083	0	-0.19124567	0	-0.057717099
cov1_4_5_6_7_9	32.6002	-451.392	0.3154632	0	-0.2919582	0	0
cov1_4_5_6_8_9	32.6011	-451.392	0.3154592	0	-0.29213873	0	0
cov1_2_6_7_8_10	32.6109	-451.397	0.3148144	0	-0.19118538	0	-0.05741869
cov1_3_4_5_6_9	32.6239	-451.404	0.3152316	0	-0.29445551	0	0
cov1_4_5_6_9_10	32.6241	-451.404	0.3151467	0	-0.29403198	0	0
cov1_4_5_6_7_10	32.6801	-451.432	0.315691	0	-0.29382876	0	0
cov1_4_5_6_8_10	32.681	-451.432	0.3156868	0	-0.29401023	0	0
cov1_3_5_6_7_9	32.7032	-451.444	0.3143458	0	-0.2699627	0	0
cov1_3_4_5_6_10	32.7038	-451.444	0.3155109	0	-0.29669734	0	0
cov1_3_5_6_8_9	32.7075	-451.446	0.3144073	0	-0.27111392	0	0
cov1_5_6_7_8_9	32.7388	-451.461	0.315785	0	-0.28515238	0	0
cov1_5_6_7_9_10	32.7394	-451.462	0.3157861	0	-0.28531364	0	0
cov1_5_6_8_9_10	32.741	-451.462	0.3157825	0	-0.28555234	0	0
cov1_3_5_6_7_10	32.7818	-451.483	0.3146717	0	-0.27305493	0	0
cov1_3_5_6_8_10	32.7858	-451.485	0.3147309	0	-0.2741603	0	0
cov1_3_4_6_7_9	32.7872	-451.486	0.3113158	0	-0.22456453	0	0
cov1_3_5_6_9_10	32.7884	-451.486	0.3157743	0	-0.29047584	0	0
cov1_3_4_6_8_9	32.7956	-451.49	0.3113588	0	-0.2254875	0	0
cov1_3_6_7_8_9	32.8016	-451.493	0.3119229	0	-0.23087682	0	0
cov1_3_6_7_9_10	32.802	-451.493	0.3119481	0	-0.23133834	0	0
cov1_3_4_5_6_11	32.803	-451.493	0.3195176	0	-0.37624017	0	0
cov1_2_4_6_7_11	32.8031	-451.493	0.3233134	0	-0.24550695	0	-0.11530353
cov1_2_4_6_8_11	32.8045	-451.494	0.3233097	0	-0.24579252	0	-0.115268
cov1_3_6_8_9_10	32.8099	-451.497	0.3119826	0	-0.23214474	0	0
cov1_5_6_7_8_10	32.812	-451.498	0.3159916	0	-0.2869214	0	0
cov1_2_3_4_6_11	32.8217	-451.503	0.3216439	0	-0.24965307	0	-0.10925286
cov1_4_5_6_8_11	32.8306	-451.507	0.3204902	0	-0.38361193	0	0
cov1_4_5_6_7_11	32.8308	-451.507	0.3204935	0	-0.38364886	0	0
cov1_3_4_6_7_10	32.878	-451.531	0.3116466	0	-0.22706172	0	0
cov1_3_4_6_8_10	32.886	-451.535	0.3116889	0	-0.22796848	0	0
cov1_3_6_7_8_10	32.8887	-451.536	0.3121704	0	-0.23248774	0	0
cov3_4_5_6_11	32.9321	-455.055	0.3148376	0	0	0	0
cov1_2_3_6_7_11	32.9553	-451.57	0.3155009	0	-0.22464777	0	-0.064920733
cov1_2_3_6_8_11	32.9658	-451.575	0.3155536	0	-0.22580883	0	-0.064961271
cov1_3_5_6_7_11	33.0129	-451.598	0.3194012	0	-0.3587796	0	0
cov1_3_5_6_8_11	33.0149	-451.599	0.3194475	0	-0.35965265	0	0
cov1_4_6_7_9_10	33.0208	-451.602	0.3139618	0	-0.23846671	0	0
cov1_4_6_8_9_10	33.0224	-451.603	0.3139536	0	-0.23869092	0	0
cov1_6_7_8_9_10	33.0238	-451.604	0.3137664	0	-0.23536482	0	0
cov1_4_6_7_8_9	33.0268	-451.605	0.3139578	0	-0.23807512	0	0
cov1_2_3_5_6_7	33.0531	-451.618	0.319384	0	-0.27509225	0	-0.065160868
cov1_2_3_5_6_8	33.0571	-451.62	0.319444	0	-0.27613451	0	-0.065225423
cov1_5_6_7_8_11	33.059	-451.621	0.3210692	0	-0.37645692	0	0
cov1_3_4_6_9_10	33.0657	-451.625	0.3125291	0	-0.23580148	0	0
cov1_2_4_5_6_7	33.0699	-451.627	0.3208593	0	-0.28113843	0	-0.072276059

cov1_2_4_5_6_8	33.072	-451.628	0.3208515	0	-0.28156619	0	-0.072161966
cov1_2_5_6_7_8	33.0771	-451.63	0.3206105	0	-0.28699959	0	-0.066206478
cov1_4_6_7_8_10	33.0992	-451.642	0.3141848	0	-0.24006204	0	0
cov1_2_3_4_5_6	33.141	-451.662	0.321053	0	-0.29378342	0	-0.069219688
cov4_6_7_8_11	33.2503	-455.215	0.3203366	0	0	0	0
cov4_5_6_7_8	33.2506	-455.215	0.3204599	0	0	0	0
cov5_6_7_8_11	33.2773	-455.228	0.3204394	0	0	0	0
cov4_5_6_7_11	33.2864	-455.233	0.3203038	0	0	0	0
cov4_5_6_8_11	33.3063	-455.242	0.3202728	0	0	0	0
cov4_5_7_8_11	33.3209	-455.25	0.3202107	0	0	0	0
cov1_2_3_4_6_7	33.3577	-451.771	0.3178914	0	-0.19957369	0	-0.093060969
cov1_2_3_4_6_8	33.37	-451.777	0.3179593	0	-0.20069359	0	-0.093260945
cov1_3_4_5_6_7	33.4843	-451.834	0.3175018	0	-0.32621407	0	0
cov1_3_4_5_6_8	33.4875	-451.836	0.3175521	0	-0.32726714	0	0
cov1_4_5_6_7_8	33.5268	-451.855	0.3190844	0	-0.34321431	0	0
cov1_3_4_6_7_11	33.5802	-451.882	0.3147225	0	-0.27610435	0	0
cov1_3_6_7_8_11	33.5824	-451.883	0.314468	0	-0.27311858	0	0
cov1_3_4_6_8_11	33.5912	-451.888	0.3147864	0	-0.27741399	0	0
cov1_2_4_6_7_8	33.5942	-451.889	0.3215584	0	-0.20761989	0	-0.10866522
cov1_3_5_6_7_8	33.6831	-451.933	0.318002	0	-0.31902065	0	0
cov1_2_3_6_7_8	33.702	-451.943	0.3139437	0	-0.1882688	0	-0.059676973
cov1_2_6_7_8_11	33.8236	-452.004	0.3202282	0	-0.23241914	0	-0.0674442
cov2_4_5_6_9_11	33.955	-452.069	0.3173299	0	0	0	-0.15907275
cov2_3_5_6_7_9	33.9727	-452.078	0.309687	0	0	0	-0.095194457
cov2_4_5_6_7_9	34.0049	-452.094	0.3172043	0	0	0	-0.15055282
cov2_3_5_6_8_9	34.0101	-452.097	0.3097905	0	0	0	-0.095837631
cov2_4_5_6_8_9	34.0179	-452.101	0.3171751	0	0	0	-0.150547
cov2_4_5_6_10_11	34.1125	-452.148	0.3176187	0	0	0	-0.15866804
cov2_3_5_6_7_10	34.1408	-452.162	0.310025	0	0	0	-0.094894495
cov2_4_5_6_7_10	34.1427	-452.163	0.3175155	0	0	0	-0.15047363
cov2_4_5_6_8_10	34.1557	-452.17	0.3174849	0	0	0	-0.15046365
cov2_3_5_6_8_10	34.1784	-452.181	0.3101307	0	0	0	-0.095530448
cov1_3_4_6_7_8	34.2308	-452.207	0.3134864	0	-0.23901725	0	0
cov2_3_4_5_6_9	34.2792	-452.232	0.3154409	0	0	0	-0.14385039
cov2_4_5_6_9_10	34.2808	-452.232	0.3158156	0	0	0	-0.14521865
cov1_4_6_7_8_11	34.2846	-452.234	0.3201531	0	-0.30275168	0	0
cov2_3_6_7_9_11	34.4195	-452.302	0.3154677	0	0	0	-0.12669683
cov2_3_4_5_6_10	34.4207	-452.302	0.3157918	0	0	0	-0.14396896
cov2_3_5_6_9_11	34.439	-452.311	0.3133019	0	0	0	-0.11462727
cov2_3_6_8_9_11	34.4483	-452.316	0.3155446	0	0	0	-0.12713048
cov2_3_6_7_8_9	34.486	-452.335	0.3147473	0	0	0	-0.12022267
cov2_3_4_6_7_9	34.4972	-452.341	0.3156496	0	0	0	-0.12847785
cov2_3_6_7_9_10	34.5022	-452.343	0.314742	0	0	0	-0.1209787
cov2_3_4_6_8_9	34.5266	-452.355	0.3157517	0	0	0	-0.12916179
cov2_5_6_7_9_11	34.5271	-452.355	0.3159155	0	0	0	-0.11699103
cov2_3_6_8_9_10	34.5331	-452.358	0.3148155	0	0	0	-0.12138024
cov2_5_6_8_9_11	34.5338	-452.359	0.3158971	0	0	0	-0.11709823

cov1_2_4_5_9_11	34.5523	-452.368	0.3198149	0	-0.12322909	0	-0.076679174
cov2_3_6_7_10_11	34.5927	-452.388	0.3157668	0	0	0	-0.12627441
cov2_5_6_9_10_11	34.595	-452.389	0.3155353	0	0	0	-0.11810676
cov1_2_5_9_10_11	34.5959	-452.39	0.3194941	0	-0.13761601	0	-0.061960887
cov1_2_3_5_9_11	34.6	-452.392	0.3190669	0	-0.13493324	0	-0.061231885
cov1_2_5_7_9_11	34.6034	-452.394	0.3194914	0	-0.13622184	0	-0.061475405
cov1_2_5_8_9_11	34.6042	-452.394	0.3194663	0	-0.13666035	0	-0.061480482
cov2_4_6_7_9_11	34.6046	-452.394	0.3192547	0	0	0	-0.14834884
cov2_4_6_8_9_11	34.6154	-452.4	0.3192245	0	0	0	-0.14834468
cov1_2_4_5_10_11	34.6162	-452.4	0.3200523	0	-0.12695457	0	-0.076131272
cov2_3_5_6_10_11	34.6202	-452.402	0.3136274	0	0	0	-0.11388508
cov2_3_6_8_10_11	34.622	-452.403	0.3158452	0	0	0	-0.12670617
cov2_5_6_7_8_9	34.6314	-452.408	0.3152747	0	0	0	-0.11138023
cov2_5_6_7_9_10	34.6484	-452.416	0.3152839	0	0	0	-0.11153468
cov2_3_6_7_8_10	34.6507	-452.417	0.3150703	0	0	0	-0.1200425
cov2_5_6_8_9_10	34.6573	-452.421	0.315269	0	0	0	-0.11160753
cov1_2_4_7_9_11	34.6583	-452.421	0.3195905	0	-0.080838739	0	-0.093688836
cov2_3_4_6_7_10	34.6589	-452.421	0.3160654	0	0	0	-0.12918638
cov2_4_6_7_8_9	34.6595	-452.422	0.3185301	0	0	0	-0.14228159
cov1_2_3_5_10_11	34.664	-452.424	0.3193411	0	-0.13880179	0	-0.060830201
cov1_2_4_8_9_11	34.6647	-452.424	0.3195476	0	-0.081157757	0	-0.093525205
cov1_2_5_7_10_11	34.6667	-452.425	0.3197319	0	-0.13984781	0	-0.061048262
cov1_2_5_8_10_11	34.6674	-452.426	0.3197067	0	-0.14028446	0	-0.061052769
cov1_2_3_4_9_11	34.6802	-452.432	0.3187792	0	-0.083209821	0	-0.0906188
cov2_4_6_7_9_10	34.683	-452.433	0.3185777	0	0	0	-0.14304856
cov1_2_4_9_10_11	34.6834	-452.434	0.3192474	0	-0.083087858	0	-0.092848776
cov2_3_4_6_8_10	34.6885	-452.436	0.3161685	0	0	0	-0.12986546
cov2_4_6_8_9_10	34.6959	-452.44	0.3185417	0	0	0	-0.14299328
cov2_5_6_7_10_11	34.6977	-452.441	0.316199	0	0	0	-0.11607846
cov2_6_7_8_9_11	34.7013	-452.443	0.3176355	0	0	0	-0.12823939
cov2_5_6_8_10_11	34.7046	-452.444	0.3161815	0	0	0	-0.11618638
cov2_3_5_6_9_10	34.7094	-452.447	0.3129701	0	0	0	-0.10848033
cov2_3_4_6_9_11	34.711	-452.447	0.3181232	0	0	0	-0.14531664
cov2_4_6_9_10_11	34.7123	-452.448	0.318608	0	0	0	-0.14773194
cov2_6_7_9_10_11	34.7255	-452.455	0.317681	0	0	0	-0.12891964
cov1_2_4_7_10_11	34.7285	-452.456	0.3198141	0	-0.083249353	0	-0.09339054
cov2_6_8_9_10_11	34.7338	-452.459	0.3176678	0	0	0	-0.12909391
cov1_2_4_8_10_11	34.735	-452.459	0.3197665	0	-0.083566925	0	-0.09322222
cov1_2_3_4_10_11	34.7522	-452.468	0.3190329	0	-0.085689532	0	-0.090453781
cov2_3_6_9_10_11	34.7642	-452.474	0.3165708	0	0	0	-0.13089866
cov2_4_6_7_10_11	34.7701	-452.477	0.319619	0	0	0	-0.14848665
cov2_4_6_8_10_11	34.7812	-452.483	0.3195886	0	0	0	-0.14848371
cov2_6_7_8_9_10	34.7833	-452.484	0.3169412	0	0	0	-0.1227072
cov2_5_6_7_8_10	34.7894	-452.487	0.315571	0	0	0	-0.11070025
cov2_4_6_7_8_10	34.8162	-452.5	0.3189118	0	0	0	-0.14261519
cov1_2_3_7_9_11	34.8389	-452.511	0.3143526	0	-0.063335205	0	-0.056237677
cov2_3_4_6_9_10	34.86	-452.522	0.3174528	0	0	0	-0.13939823

cov1_2_3_8_9_11	34.8652	-452.524	0.3144256	0	-0.063887623	0	-0.056268693
cov2_6_7_8_10_11	34.8737	-452.529	0.3179499	0	0	0	-0.12764589
cov2_3_4_6_10_11	34.8831	-452.533	0.3185288	0	0	0	-0.14565826
cov1_2_3_7_10_11	34.9225	-452.553	0.3145513	0	-0.065735116	0	-0.055489221
cov1_2_3_8_10_11	34.9487	-452.566	0.3146247	0	-0.066292433	0	-0.055509562
cov1_2_5_7_8_11	34.9566	-452.57	0.322043	0	-0.17703683	0	-0.065083954
cov1_2_4_5_7_11	34.9577	-452.571	0.3225471	0	-0.16431296	0	-0.078903007
cov1_2_4_5_8_11	34.9609	-452.572	0.322511	0	-0.16508236	0	-0.078563185
cov1_2_3_4_5_11	34.9659	-452.575	0.3222207	0	-0.16757062	0	-0.076878673
cov1_2_3_5_7_11	34.9738	-452.579	0.3208181	0	-0.16490389	0	-0.063970846
cov1_2_3_5_8_11	34.982	-452.583	0.3209982	0	-0.16734257	0	-0.064142724
cov1_2_3_9_10_11	35.0333	-452.609	0.3151418	0	-0.069448623	0	-0.056877204
cov1_3_4_5_9_11	35.0572	-452.62	0.3172114	0	-0.1791916	0	0
cov1_4_5_9_10_11	35.0734	-452.629	0.3180577	0	-0.18439068	0	0
cov1_4_5_8_9_11	35.075	-452.629	0.3179773	0	-0.18477572	0	0
cov1_4_5_7_9_11	35.0764	-452.63	0.3180028	0	-0.18430351	0	0
cov1_2_7_8_9_11	35.1111	-452.647	0.3166389	0	-0.064094469	0	-0.057261465
cov1_3_4_5_10_11	35.1155	-452.65	0.3174704	0	-0.1822981	0	0
cov1_5_7_8_9_11	35.1161	-452.65	0.3180304	0	-0.17988034	0	0
cov1_3_5_7_9_11	35.1228	-452.653	0.3165393	0	-0.16403079	0	0
cov1_4_5_8_10_11	35.1316	-452.658	0.318195	0	-0.18750887	0	0
cov1_4_5_7_10_11	35.1329	-452.658	0.3182199	0	-0.18704012	0	0
cov1_3_5_8_9_11	35.1333	-452.659	0.3167246	0	-0.16671615	0	0
cov2_3_4_7_9_11	35.1513	-452.668	0.3171907	0	0	0	-0.11379495
cov1_3_5_9_10_11	35.1515	-452.668	0.3174704	0	-0.17814933	0	0
cov2_4_5_7_9_11	35.1526	-452.668	0.3193494	0	0	0	-0.12635365
cov1_2_7_9_10_11	35.1582	-452.671	0.3166934	0	-0.064433813	0	-0.05719881
cov1_2_8_9_10_11	35.1603	-452.672	0.3166649	0	-0.0647909	0	-0.057197199
cov1_5_7_9_10_11	35.1608	-452.672	0.3180976	0	-0.18067024	0	0
cov1_5_8_9_10_11	35.1616	-452.673	0.3180727	0	-0.1811094	0	0
cov2_4_5_8_9_11	35.1649	-452.674	0.3193065	0	0	0	-0.12631768
cov1_2_3_4_7_11	35.1676	-452.676	0.3196885	0	-0.094610864	0	-0.096717178
cov1_5_7_8_10_11	35.1707	-452.677	0.318237	0	-0.18238926	0	0
cov1_3_5_7_10_11	35.1805	-452.682	0.3168267	0	-0.1674834	0	0
cov2_3_4_8_9_11	35.1808	-452.682	0.3173183	0	0	0	-0.1146274
cov1_3_5_8_10_11	35.1905	-452.687	0.3170084	0	-0.17011547	0	0
cov1_2_7_8_10_11	35.1906	-452.687	0.3168298	0	-0.066658915	0	-0.05625441
cov1_2_3_4_8_11	35.1955	-452.69	0.3198279	0	-0.095511838	0	-0.097293116
cov2_3_7_8_9_11	35.1985	-452.691	0.3149589	0	0	0	-0.091084493
cov2_3_5_7_9_11	35.2177	-452.701	0.3139365	0	0	0	-0.082410165
cov2_3_4_5_9_11	35.2272	-452.706	0.318022	0	0	0	-0.12308509
cov2_4_5_9_10_11	35.2384	-452.711	0.3187391	0	0	0	-0.12612533
cov2_4_7_8_9_11	35.2408	-452.712	0.3196483	0	0	0	-0.12664005
cov2_3_7_9_10_11	35.2428	-452.713	0.31497	0	0	0	-0.091399962
cov2_4_5_7_10_11	35.2538	-452.719	0.3196027	0	0	0	-0.12697824
cov2_3_5_8_9_11	35.2547	-452.719	0.3140766	0	0	0	-0.08320097
cov1_3_7_8_9_11	35.2618	-452.723	0.313172	0	-0.10796557	0	0

cov2_3_4_7_10_11	35.266	-452.725	0.3174945	0	0	0	-0.11496493
cov2_4_5_8_10_11	35.2664	-452.725	0.3195594	0	0	0	-0.12694085
cov2_3_8_9_10_11	35.2772	-452.731	0.315059	0	0	0	-0.091762799
cov2_4_7_9_10_11	35.29	-452.737	0.3197181	0	0	0	-0.1271474
cov2_3_4_8_10_11	35.2958	-452.74	0.3176225	0	0	0	-0.11578425
cov2_4_8_9_10_11	35.3017	-452.743	0.3196755	0	0	0	-0.12710876
cov1_3_7_9_10_11	35.309	-452.746	0.3132154	0	-0.1082284	0	0
cov1_3_4_7_9_11	35.3098	-452.747	0.3132774	0	-0.10887179	0	0
cov2_3_7_8_10_11	35.3174	-452.751	0.315226	0	0	0	-0.091813666
cov1_2_4_7_8_11	35.3207	-452.752	0.323	0	-0.10300086	0	-0.11110708
cov2_3_5_7_10_11	35.3326	-452.758	0.3141458	0	0	0	-0.082646666
cov1_3_7_8_10_11	35.333	-452.758	0.3133786	0	-0.1096315	0	0
cov2_3_4_5_10_11	35.3347	-452.759	0.3182993	0	0	0	-0.12389193
cov1_3_8_9_10_11	35.3359	-452.76	0.3132879	0	-0.10881031	0	0
cov1_3_4_8_9_11	35.3364	-452.76	0.3133762	0	-0.10982989	0	0
cov2_3_4_5_6_7	35.3422	-452.763	0.3165535	0	0	0	-0.14943172
cov2_4_7_8_10_11	35.3554	-452.77	0.3199459	0	0	0	-0.12756118
cov2_3_4_9_10_11	35.3636	-452.774	0.3186815	0	0	0	-0.12483658
cov2_3_5_8_10_11	35.37	-452.777	0.314286	0	0	0	-0.083423963
cov1_3_4_7_10_11	35.38	-452.782	0.3135407	0	-0.11131375	0	0
cov2_3_4_5_6_8	35.3956	-452.79	0.3167077	0	0	0	-0.15043442
cov3_5_6_7_9_11	35.4004	-452.792	0.305178	0	0	0	0
cov1_3_4_8_10_11	35.4062	-452.795	0.3136392	0	-0.11226113	0	0
cov3_4_5_6_7_9	35.4333	-452.809	0.3049999	0	0	0	0
cov3_5_6_7_8_9	35.4406	-452.812	0.3051916	0	0	0	0
cov1_3_4_5_7_11	35.4552	-452.82	0.3189468	0	-0.21262677	0	0
cov1_4_5_7_8_11	35.4588	-452.821	0.3205472	0	-0.22995936	0	0
cov3_5_6_7_9_10	35.4592	-452.822	0.3051787	0	0	0	0
cov3_5_6_8_9_11	35.4607	-452.822	0.3052662	0	0	0	0
cov1_3_4_5_8_11	35.4633	-452.824	0.319116	0	-0.21518722	0	0
cov3_4_5_6_8_9	35.4921	-452.838	0.3050854	0	0	0	0
cov1_3_4_9_10_11	35.5047	-452.844	0.3143966	0	-0.12032106	0	0
cov3_5_6_8_9_10	35.5191	-452.851	0.3052718	0	0	0	0
cov2_5_7_8_9_11	35.5273	-452.856	0.3176111	0	0	0	-0.09602637
cov2_7_8_9_10_11	35.5329	-452.858	0.31733	0	0	0	-0.092750426
cov1_3_5_7_8_11	35.5369	-452.86	0.3190986	0	-0.20904548	0	0
cov2_3_5_9_10_11	35.5374	-452.861	0.3158539	0	0	0	-0.094369894
cov1_4_7_8_9_11	35.547	-452.865	0.3161053	0	-0.12232253	0	0
cov1_2_5_7_8_9	35.5479	-452.866	0.3175389	0	-0.082801571	0	-0.054819535
cov1_2_4_5_7_9	35.5495	-452.867	0.3180268	0	-0.067397908	0	-0.07036569
cov3_5_6_7_10_11	35.5624	-452.873	0.3055236	0	0	0	0
cov1_2_4_5_8_9	35.5657	-452.875	0.3179725	0	-0.068030552	0	-0.069872046
cov1_2_3_7_8_11	35.5754	-452.88	0.3153418	0	-0.078993598	0	-0.058451162
cov1_2_3_5_7_9	35.578	-452.881	0.316395	0	-0.071462566	0	-0.053768547
cov2_5_7_9_10_11	35.578	-452.881	0.3176749	0	0	0	-0.096299736
cov1_2_3_4_7_9	35.5784	-452.881	0.3158291	0	-0.026369888	0	-0.077446983
cov2_5_8_9_10_11	35.5855	-452.885	0.317644	0	0	0	-0.096429113

cov3_4_5_6_7_10	35.5921	-452.888	0.3053568	0	0	0
cov1_4_7_9_10_11	35.5926	-452.888	0.3161546	0	-0.12251568	0
cov3_5_6_7_8_10	35.5937	-452.889	0.3055273	0	0	0
cov1_4_8_9_10_11	35.5958	-452.89	0.3161195	0	-0.12274303	0
cov1_7_8_9_10_11	35.5972	-452.891	0.315525	0	-0.10990834	0
cov1_2_5_7_9_10	35.5987	-452.891	0.3176064	0	-0.083252202	-0.054994247
cov1_2_3_5_8_9	35.5996	-452.892	0.3165998	0	-0.074008675	-0.053916507
cov1_2_4_7_8_9	35.5996	-452.892	0.3175912	0	-0.030027976	-0.085438497
cov1_2_5_7_8_10	35.6026	-452.893	0.3177457	0	-0.086041032	-0.054299497
cov1_2_4_5_7_10	35.6036	-452.894	0.3182312	0	-0.07056781	-0.069839502
cov1_4_7_8_10_11	35.6053	-452.895	0.3163035	0	-0.12428396	0
cov2_3_4_7_8_9	35.61	-452.897	0.3158474	0	0	-0.091585593
cov1_2_3_4_8_9	35.6119	-452.898	0.3159449	0	-0.026794877	-0.077925774
cov1_2_5_8_9_10	35.6121	-452.898	0.3175711	0	-0.083431431	-0.05494814
cov1_2_4_5_8_10	35.6197	-452.902	0.3181782	0	-0.071194801	-0.069345783
cov3_5_6_8_10_11	35.6225	-452.903	0.3056145	0	0	0
cov1_2_3_5_7_10	35.6347	-452.909	0.3166746	0	-0.075459482	-0.053327326
cov1_2_3_4_7_10	35.6398	-452.912	0.3160777	0	-0.029020376	-0.077309926
cov2_5_7_8_10_11	35.6462	-452.915	0.3178368	0	0	-0.096026874
cov1_2_3_4_5_9	35.6498	-452.917	0.3185075	0	-0.082292061	-0.06715637
cov2_3_4_5_7_9	35.6508	-452.917	0.3155469	0	0	-0.089116294
cov3_4_5_6_8_10	35.6508	-452.917	0.3054421	0	0	0
cov1_2_4_7_9_10	35.6545	-452.919	0.317639	0	-0.030147058	-0.085361172
cov1_2_3_5_8_10	35.6556	-452.92	0.3168754	0	-0.077952338	-0.053469899
cov1_2_4_7_8_10	35.6576	-452.921	0.317789	0	-0.032613911	-0.084933434
cov2_3_4_7_9_10	35.6635	-452.924	0.3158748	0	0	-0.091674256
cov2_3_5_6_7_11	35.668	-452.926	0.3141939	0	0	-0.11715537
cov1_2_3_4_8_10	35.6729	-452.928	0.3161925	0	-0.029447511	-0.077769767
cov1_2_4_8_9_10	35.6742	-452.929	0.3175777	0	-0.030180372	-0.085091859
cov1_2_3_5_9_10	35.6789	-452.931	0.3180241	0	-0.092401414	-0.055277021
cov2_3_4_5_8_9	35.6891	-452.936	0.3156886	0	0	-0.089990145
cov1_2_4_5_9_10	35.691	-452.937	0.3171121	0	-0.0772825	-0.062945782
cov2_3_4_7_8_10	35.6919	-452.938	0.3161434	0	0	-0.093121821
cov2_3_4_8_9_10	35.7003	-452.942	0.3159982	0	0	-0.092391072
cov1_2_3_4_5_10	35.7015	-452.943	0.3187375	0	-0.085437237	-0.066735838
cov2_4_5_7_8_9	35.7111	-452.947	0.3178951	0	0	-0.10238943
cov2_4_7_8_9_10	35.7161	-452.95	0.3180343	0	0	-0.10358001
cov2_3_5_6_8_11	35.7243	-452.954	0.3143501	0	0	-0.11805503
cov2_3_4_5_7_10	35.7263	-452.955	0.315775	0	0	-0.09013992
cov2_3_4_6_7_11	35.7408	-452.962	0.3192417	0	0	-0.15239732
cov1_2_3_7_8_9	35.7454	-452.965	0.3126301	0	-0.014255726	-0.049943458
cov2_3_5_7_8_9	35.7557	-452.97	0.313855	0	0	-0.069102918
cov2_3_4_5_8_10	35.7647	-452.974	0.3159158	0	0	-0.091001499
cov2_4_5_7_9_10	35.7667	-452.975	0.317949	0	0	-0.10245232
cov2_3_7_8_9_10	35.772	-452.978	0.3129716	0	0	-0.061120952
cov2_3_4_6_8_11	35.7863	-452.985	0.3193923	0	0	-0.15341247
cov2_4_5_8_9_10	35.7872	-452.986	0.3178939	0	0	-0.10224385

cov2_4_5_7_8_10	35.7876	-452.986	0.318129	0	0	0	-0.10330442
cov1_2_3_7_9_10	35.7992	-452.992	0.3126734	0	-0.014282978	0	-0.049985724
cov2_3_5_7_9_10	35.8086	-452.996	0.3139044	0	0	0	-0.069369212
cov1_2_3_7_8_10	35.8161	-453	0.312832	0	-0.016923971	0	-0.049176403
cov2_3_4_6_7_8	35.8261	-453.005	0.3185327	0	0	0	-0.14592075
cov2_3_5_6_7_8	35.8262	-453.005	0.3138062	0	0	0	-0.11136583
cov2_3_6_7_8_11	35.8388	-453.011	0.3168338	0	0	0	-0.12985062
cov1_2_3_8_9_10	35.8412	-453.013	0.3127411	0	-0.014535766	0	-0.049945857
cov2_3_5_7_8_10	35.8428	-453.013	0.3140337	0	0	0	-0.069521045
cov1_2_3_4_9_10	35.8454	-453.015	0.3172744	0	-0.031688297	0	-0.084440961
cov2_3_5_8_9_10	35.8486	-453.016	0.3140446	0	0	0	-0.070142054
cov2_3_4_5_7_11	35.8871	-453.035	0.3186054	0	0	0	-0.13305384
cov1_4_5_7_8_9	35.931	-453.057	0.3163468	0	-0.12817036	0	0
cov2_3_4_5_8_11	35.9388	-453.061	0.3187851	0	0	0	-0.13419711
cov2_4_5_6_7_11	35.941	-453.062	0.3247875	0	0	0	-0.18904494
cov1_3_4_5_7_9	35.9439	-453.064	0.3148945	0	-0.11242096	0	0
cov1_3_5_7_8_9	35.9535	-453.069	0.3148789	0	-0.10868461	0	0
cov2_4_5_6_8_11	35.9575	-453.071	0.324763	0	0	0	-0.18911404
cov1_2_4_5_7_8	35.9644	-453.074	0.3206928	0	-0.11325597	0	-0.071107221
cov1_3_4_5_8_9	35.965	-453.074	0.315091	0	-0.11511156	0	0
cov1_2_3_5_7_8	35.9695	-453.077	0.3189285	0	-0.11199924	0	-0.057306572
cov2_5_7_8_9_10	35.9713	-453.078	0.3167438	0	0	0	-0.081501096
cov2_3_4_5_9_10	35.9739	-453.079	0.3174682	0	0	0	-0.10206121
cov1_4_5_7_8_10	35.979	-453.081	0.3165362	0	-0.13051885	0	0
cov1_4_5_7_9_10	35.982	-453.083	0.3164006	0	-0.12853311	0	0
cov1_2_3_4_5_7	35.9852	-453.084	0.3194191	0	-0.10097757	0	-0.069517226
cov1_4_5_8_9_10	35.9924	-453.088	0.3163621	0	-0.12872367	0	0
cov1_3_4_5_7_10	35.995	-453.089	0.3151645	0	-0.11571757	0	0
cov1_5_7_8_9_10	35.9955	-453.09	0.3164458	0	-0.12526121	0	0
cov1_3_5_7_8_10	36.0028	-453.093	0.3151454	0	-0.11189647	0	0
cov1_3_5_7_9_10	36.0058	-453.095	0.3149387	0	-0.10904232	0	0
cov1_2_3_4_5_8	36.0096	-453.097	0.3196049	0	-0.10386736	0	-0.069263464
cov1_3_4_5_8_10	36.0155	-453.1	0.3153572	0	-0.11835388	0	0
cov2_3_4_7_8_11	36.0217	-453.103	0.3194429	0	0	0	-0.13594042
cov1_3_5_8_9_10	36.0299	-453.107	0.3151555	0	-0.11176962	0	0
cov1_3_4_5_9_10	36.0425	-453.113	0.3164296	0	-0.13429332	0	0
cov1_2_7_8_9_10	36.0503	-453.117	0.3148544	0	-0.015911111	0	-0.05076282
cov1_3_4_7_8_11	36.0638	-453.124	0.3149095	0	-0.13419967	0	0
cov2_4_5_6_7_8	36.0974	-453.141	0.3237793	0	0	0	-0.17894441
cov1_3_4_7_8_9	36.1184	-453.151	0.3119014	0	-0.058522404	0	0
cov1_3_7_8_9_10	36.1192	-453.151	0.3117775	0	-0.056839776	0	0
cov1_2_3_4_7_8	36.1649	-453.174	0.3177594	0	-0.043334095	0	-0.088647429
cov1_3_4_7_9_10	36.172	-453.178	0.3119596	0	-0.058658559	0	0
cov1_3_4_7_8_10	36.1766	-453.18	0.3121621	0	-0.061164024	0	0
cov2_3_4_5_6_11	36.1783	-453.181	0.3220441	0	0	0	-0.18150824
cov1_3_4_8_9_10	36.2128	-453.198	0.3120594	0	-0.059321941	0	0
cov2_4_6_7_8_11	36.2174	-453.201	0.3246812	0	0	0	-0.17794719

cov2_3_5_7_8_11	36.2348	-453.209	0.3160186	0	0	0	-0.10102924
cov3_5_7_8_9_11	36.2901	-453.237	0.3090215	0	0	0	0
cov3_4_6_7_8_9	36.2907	-453.237	0.3086155	0	0	0	0
cov3_4_5_7_9_11	36.3163	-453.25	0.3089414	0	0	0	0
cov3_4_6_7_9_10	36.3261	-453.255	0.3086001	0	0	0	0
cov3_4_6_7_9_11	36.3272	-453.256	0.3086607	0	0	0	0
cov3_5_7_9_10_11	36.3437	-453.264	0.3090703	0	0	0	0
cov2_4_5_7_8_11	36.3469	-453.265	0.3242458	0	0	0	-0.16261336
cov1_3_4_5_7_8	36.3593	-453.272	0.317394	0	-0.15726925	0	0
cov3_4_5_8_9_11	36.3748	-453.279	0.3090438	0	0	0	0
cov3_4_6_8_9_10	36.3781	-453.281	0.3086849	0	0	0	0
cov3_4_6_8_9_11	36.3789	-453.281	0.3087477	0	0	0	0
cov1_4_7_8_9_10	36.3794	-453.282	0.3146408	0	-0.072333383	0	0
cov2_3_4_5_7_8	36.4002	-453.292	0.3178258	0	0	0	-0.11241601
cov3_5_8_9_10_11	36.4037	-453.294	0.3091771	0	0	0	0
cov3_5_7_8_10_11	36.4062	-453.295	0.3092315	0	0	0	0
cov3_4_5_7_10_11	36.4358	-453.31	0.3091595	0	0	0	0
cov3_4_6_7_8_10	36.4689	-453.326	0.3090167	0	0	0	0
cov3_4_5_8_10_11	36.4944	-453.339	0.3092624	0	0	0	0
cov3_4_6_7_10_11	36.5072	-453.345	0.3090487	0	0	0	0
cov3_4_5_6_9_11	36.5559	-453.37	0.3083769	0	0	0	0
cov3_4_6_8_10_11	36.559	-453.371	0.309134	0	0	0	0
cov3_4_5_7_8_9	36.5608	-453.372	0.3095153	0	0	0	0
cov3_4_7_8_9_11	36.5659	-453.375	0.3099779	0	0	0	0
cov3_5_7_8_9_10	36.5884	-453.386	0.3096533	0	0	0	0
cov3_4_5_7_9_10	36.6164	-453.4	0.3095667	0	0	0	0
cov3_5_6_9_10_11	36.6178	-453.401	0.308652	0	0	0	0
cov3_4_7_9_10_11	36.6181	-453.401	0.3100018	0	0	0	0
cov3_4_5_6_9_10	36.6344	-453.409	0.3083658	0	0	0	0
cov3_4_5_7_8_10	36.6582	-453.421	0.3096912	0	0	0	0
cov3_4_8_9_10_11	36.6708	-453.427	0.3100947	0	0	0	0
cov3_4_5_8_9_10	36.6744	-453.429	0.3096671	0	0	0	0
cov3_4_7_8_9_10	36.6774	-453.431	0.3100563	0	0	0	0
cov3_4_5_6_10_11	36.7074	-453.446	0.3086984	0	0	0	0
cov3_4_7_8_10_11	36.7087	-453.446	0.3102422	0	0	0	0
cov5_6_7_8_9_10	36.7829	-453.483	0.3121357	0	0	0	0
cov4_5_6_7_8_9	36.7871	-453.485	0.3121136	0	0	0	0
cov5_6_7_8_9_11	36.7988	-453.491	0.3122465	0	0	0	0
cov4_5_6_7_9_10	36.8001	-453.492	0.3120777	0	0	0	0
cov5_6_7_9_10_11	36.811	-453.497	0.3121995	0	0	0	0
cov4_5_6_8_9_10	36.8112	-453.498	0.3120428	0	0	0	0
cov4_5_6_7_9_11	36.8151	-453.499	0.3121789	0	0	0	0
cov5_6_8_9_10_11	36.8224	-453.503	0.3121695	0	0	0	0
cov4_5_6_8_9_11	36.8259	-453.505	0.3121486	0	0	0	0
cov2_5_6_7_8_11	36.8787	-453.531	0.3226237	0	0	0	-0.13975128
cov4_5_6_9_10_11	36.9033	-453.544	0.3115984	0	0	0	0
cov4_5_6_7_8_10	36.9104	-453.547	0.3123657	0	0	0	0



cov5_6_7_8_10_11	36.9191	-453.551	0.312465	0	0	0	0
cov4_5_6_7_10_11	36.94	-453.562	0.3124126	0	0	0	0
cov4_5_6_8_10_11	36.951	-453.567	0.3123799	0	0	0	0
cov3_4_5_9_10_11	37.0465	-453.615	0.3107646	0	0	0	0
cov3_4_6_9_10_11	37.0663	-453.625	0.3106449	0	0	0	0
cov4_5_7_8_9_11	37.1775	-453.681	0.3137035	0	0	0	0
cov5_7_8_9_10_11	37.1852	-453.684	0.3137487	0	0	0	0
cov4_6_7_8_9_11	37.193	-453.688	0.3134883	0	0	0	0
cov4_6_7_8_9_10	37.1933	-453.689	0.3135816	0	0	0	0
cov4_5_7_9_10_11	37.2226	-453.703	0.3137377	0	0	0	0
cov4_6_7_9_10_11	37.2316	-453.708	0.3135021	0	0	0	0
cov4_5_8_9_10_11	37.2337	-453.709	0.3137	0	0	0	0
cov4_6_8_9_10_11	37.2419	-453.713	0.3134692	0	0	0	0
cov4_5_7_8_9_10	37.2584	-453.721	0.3135928	0	0	0	0
cov4_5_7_8_10_11	37.2845	-453.734	0.3138965	0	0	0	0
cov4_7_8_9_10_11	37.3249	-453.754	0.3141088	0	0	0	0
cov4_6_7_8_10_11	37.3449	-453.764	0.3138016	0	0	0	0
cov3_7_8_9_10_11	37.4047	-453.794	0.3131893	0	0	0	0
cov3_6_7_8_9_11	37.4055	-453.795	0.3132208	0	0	0	0
cov3_6_7_8_9_10	37.427	-453.805	0.3134409	0	0	0	0
cov3_6_7_9_10_11	37.4643	-453.824	0.3132561	0	0	0	0
cov3_6_8_9_10_11	37.5176	-453.851	0.3133455	0	0	0	0
cov3_6_7_8_10_11	37.5551	-453.869	0.3135265	0	0	0	0
cov6_7_8_9_10_11	37.8199	-454.002	0.3156393	0	0	0	0
cov3_4_5_6_7_11	37.8473	-454.016	0.3092182	0	0	0	0
cov3_4_5_6_7_8	37.8482	-454.016	0.3091956	0	0	0	0
cov3_5_6_7_8_11	37.8744	-454.029	0.3095349	0	0	0	0
cov3_4_5_6_8_11	37.9403	-454.062	0.3093591	0	0	0	0
cov3_4_5_7_8_11	37.9679	-454.076	0.310501	0	0	0	0
cov3_4_6_7_8_11	38.2426	-454.213	0.3113044	0	0	0	0
cov1_2_4_5_6_9_11	38.4434	-450.816	0.3189664	0	-0.26924218	0	-0.077478851
cov1_2_3_5_6_9_11	38.4616	-450.825	0.3181867	0	-0.27677525	0	-0.066801752
cov1_2_5_6_9_10_11	38.4637	-450.826	0.3186723	0	-0.27950511	0	-0.067424448
cov1_2_5_6_7_9_11	38.4677	-450.828	0.318642	0	-0.27909836	0	-0.067099866
cov1_2_5_6_8_9_11	38.4677	-450.828	0.3186385	0	-0.27915142	0	-0.067099962
cov1_2_4_6_7_9_11	38.5399	-450.864	0.3187596	0	-0.23192031	0	-0.092504167
cov1_2_4_6_8_9_11	38.5406	-450.865	0.3187542	0	-0.23208152	0	-0.092471912
cov1_2_3_4_6_9_11	38.5424	-450.866	0.3179279	0	-0.23386024	0	-0.089267745
cov1_2_4_5_6_10_11	38.5442	-450.867	0.3192239	0	-0.27233602	0	-0.076674864
cov1_2_4_6_9_10_11	38.5511	-450.87	0.3185334	0	-0.23368724	0	-0.091882011
cov1_2_3_5_6_10_11	38.5637	-450.876	0.318496	0	-0.28019848	0	-0.066039039
cov1_2_5_6_7_10_11	38.5685	-450.879	0.3189018	0	-0.28219166	0	-0.066300415
cov1_2_5_6_8_10_11	38.5685	-450.879	0.3188989	0	-0.28224646	0	-0.066301144
cov1_2_3_6_7_9_11	38.6272	-450.908	0.314327	0	-0.21976288	0	-0.062801353
cov1_2_3_6_8_9_11	38.6315	-450.91	0.3143567	0	-0.22039502	0	-0.062822277
cov1_2_4_6_7_10_11	38.6453	-450.917	0.3190097	0	-0.23400772	0	-0.091868985
cov1_2_4_6_8_10_11	38.646	-450.917	0.3190034	0	-0.23416805	0	-0.09183838

cov1_2_3_4_6_10_11	38.6502	-450.92	0.3182276	0	-0.23601158	0	-0.088850954
cov1_2_3_6_7_10_11	38.7469	-450.968	0.3145605	0	-0.22181838	0	-0.061734073
cov1_2_3_6_8_10_11	38.7511	-450.97	0.3145901	0	-0.22245109	0	-0.061752112
cov1_2_3_6_9_10_11	38.7518	-450.97	0.3149556	0	-0.22621695	0	-0.063331297
cov1_2_6_7_8_9_11	38.8532	-451.021	0.3162279	0	-0.22258008	0	-0.063698848
cov1_2_6_7_9_10_11	38.8534	-451.021	0.3162363	0	-0.22290123	0	-0.063629681
cov1_2_6_8_9_10_11	38.8535	-451.021	0.3162319	0	-0.22296809	0	-0.063628254
cov1_3_4_5_6_9_11	38.9513	-451.07	0.3160612	0	-0.3247545	0	0
cov1_2_6_7_8_10_11	38.966	-451.077	0.3164501	0	-0.22476462	0	-0.062449854
cov1_4_5_6_8_9_11	38.9745	-451.082	0.3169549	0	-0.33200112	0	0
cov1_4_5_6_7_9_11	38.9748	-451.082	0.3169583	0	-0.33203487	0	0
cov1_4_5_6_9_10_11	38.9796	-451.084	0.3170708	0	-0.33031268	0	0
cov1_3_4_5_6_10_11	39.0442	-451.117	0.3163675	0	-0.32724447	0	0
cov1_4_5_6_8_10_11	39.0644	-451.127	0.3172003	0	-0.33399894	0	0
cov1_4_5_6_7_10_11	39.0647	-451.127	0.3172037	0	-0.33403033	0	0
cov1_3_5_6_7_9_11	39.0998	-451.144	0.3158189	0	-0.30904867	0	0
cov1_3_5_6_8_9_11	39.1015	-451.145	0.3158632	0	-0.30984079	0	0
cov1_3_5_6_9_10_11	39.1217	-451.155	0.3166035	0	-0.32091273	0	0
cov1_5_6_7_8_9_11	39.1344	-451.162	0.3172535	0	-0.32408132	0	0
cov1_5_6_7_9_10_11	39.1351	-451.162	0.3172653	0	-0.32449962	0	0
cov1_5_6_8_9_10_11	39.1351	-451.162	0.3172622	0	-0.32455961	0	0
cov1_2_4_5_6_7_9	39.1451	-451.167	0.3172293	0	-0.23044593	0	-0.071614354
cov1_2_4_5_6_8_9	39.1472	-451.168	0.3172217	0	-0.23085734	0	-0.071497095
cov1_2_3_5_6_7_9	39.1481	-451.169	0.3158456	0	-0.23063595	0	-0.0608874
cov1_2_3_5_6_8_9	39.1516	-451.17	0.3159027	0	-0.23163579	0	-0.060932405
cov1_2_5_6_7_8_9	39.1649	-451.177	0.3168741	0	-0.24053865	0	-0.061743722
cov1_2_5_6_7_9_10	39.1651	-451.177	0.3168914	0	-0.24096935	0	-0.061878359
cov1_2_5_6_8_9_10	39.1668	-451.178	0.3168879	0	-0.24122386	0	-0.06187376
cov1_2_3_4_6_7_9	39.1729	-451.181	0.3152891	0	-0.19243674	0	-0.078338047
cov1_2_3_4_6_8_9	39.1793	-451.184	0.3153328	0	-0.19314755	0	-0.078462303
cov1_3_5_6_7_10_11	39.1882	-451.189	0.3161572	0	-0.31214129	0	0
cov1_3_5_6_8_10_11	39.1898	-451.189	0.3161993	0	-0.31289383	0	0
cov1_3_4_6_7_9_11	39.1976	-451.193	0.3125608	0	-0.25975301	0	0
cov1_2_3_4_5_6_9	39.2026	-451.196	0.3174685	0	-0.24183342	0	-0.068986765
cov1_3_4_6_8_9_11	39.2026	-451.196	0.3125985	0	-0.26053052	0	0
cov1_2_3_5_6_9_10	39.2127	-451.201	0.3171355	0	-0.24801866	0	-0.062059211
cov1_3_6_7_8_9_11	39.2142	-451.202	0.3131983	0	-0.266462	0	0
cov1_3_6_7_9_10_11	39.2151	-451.202	0.3132066	0	-0.26677698	0	0
cov1_5_6_7_8_10_11	39.2179	-451.203	0.3174777	0	-0.32591309	0	0
cov1_3_6_8_9_10_11	39.2198	-451.204	0.3132376	0	-0.26746426	0	0
cov1_2_4_5_6_9_10	39.2209	-451.205	0.3165387	0	-0.23887913	0	-0.06619286
cov1_2_4_6_7_8_9	39.2346	-451.212	0.3169464	0	-0.1959354	0	-0.085473912
cov1_2_4_5_6_7_10	39.2348	-451.212	0.3174703	0	-0.23328719	0	-0.070836435
cov1_2_4_6_7_9_10	39.2356	-451.212	0.3169516	0	-0.19632921	0	-0.085384286
cov1_2_4_5_6_8_10	39.2369	-451.213	0.3174626	0	-0.23369737	0	-0.070719715
cov1_2_4_6_8_9_10	39.2385	-451.214	0.3169423	0	-0.19667319	0	-0.085309718
cov1_2_3_5_6_7_10	39.2415	-451.215	0.3161875	0	-0.2346648	0	-0.060117217

cov1_2_3_5_6_8_10	39.2447	-451.217	0.3162423	0	-0.23562623	0	-0.060159924
cov1_2_5_6_7_8_10	39.2551	-451.222	0.3171283	0	-0.24355442	0	-0.060872818
cov1_2_3_5_6_7_11	39.2704	-451.23	0.3211016	0	-0.313938	0	-0.070676519
cov1_2_3_4_6_7_10	39.2705	-451.23	0.3156037	0	-0.19496224	0	-0.078007522
cov1_2_3_5_6_8_11	39.2716	-451.23	0.3211404	0	-0.31459138	0	-0.070712493
cov1_2_3_4_6_8_10	39.2767	-451.233	0.3156465	0	-0.1956659	0	-0.078124556
cov1_2_3_4_5_6_11	39.2798	-451.234	0.3221333	0	-0.31925027	0	-0.077315751
cov1_2_4_5_6_7_11	39.2801	-451.235	0.3225761	0	-0.31803335	0	-0.079149751
cov1_2_4_5_6_8_11	39.2803	-451.235	0.3225718	0	-0.31818959	0	-0.079101565
cov1_2_3_4_5_6_10	39.2901	-451.24	0.3177566	0	-0.24477742	0	-0.06837416
cov1_2_5_6_7_8_11	39.2914	-451.24	0.3222673	0	-0.32522262	0	-0.07165577
cov1_2_3_6_7_8_9	39.296	-451.242	0.3127937	0	-0.18515461	0	-0.057780381
cov1_2_3_6_7_9_10	39.2968	-451.243	0.3127988	0	-0.18542354	0	-0.057820222
cov1_3_4_6_7_10_11	39.3011	-451.245	0.3128879	0	-0.26190256	0	0
cov1_2_3_6_8_9_10	39.3046	-451.247	0.312842	0	-0.1862611	0	-0.057847565
cov1_3_4_6_8_10_11	39.306	-451.247	0.3129249	0	-0.26266665	0	0
cov1_3_6_7_8_10_11	39.3136	-451.251	0.3134392	0	-0.26769184	0	0
cov1_2_4_6_7_8_10	39.3266	-451.258	0.3171815	0	-0.19835945	0	-0.084679924
cov1_3_4_6_9_10_11	39.3439	-451.266	0.3135653	0	-0.27083025	0	0
cov1_2_3_4_6_9_10	39.351	-451.27	0.3165015	0	-0.19885081	0	-0.083971442
cov1_2_3_6_7_8_10	39.4018	-451.295	0.3130367	0	-0.18761787	0	-0.056709716
cov1_4_6_7_9_10_11	39.4513	-451.32	0.3153202	0	-0.27351694	0	0
cov1_4_6_8_9_10_11	39.4515	-451.32	0.3153171	0	-0.27358069	0	0
cov1_4_6_7_8_9_11	39.4539	-451.321	0.3153184	0	-0.27327229	0	0
cov1_6_7_8_9_10_11	39.4543	-451.322	0.3151344	0	-0.27048724	0	0
cov1_2_6_7_8_9_10	39.5071	-451.348	0.3146048	0	-0.18881111	0	-0.058496424
cov1_4_6_7_8_10_11	39.5406	-451.365	0.3155501	0	-0.27491634	0	0
cov1_3_4_5_6_7_9	39.5622	-451.376	0.3140896	0	-0.27716484	0	0
cov1_3_4_5_6_8_9	39.5652	-451.377	0.3141403	0	-0.27815515	0	0
cov1_2_3_4_6_7_11	39.5721	-451.381	0.3196658	0	-0.23706516	0	-0.10002807
cov1_2_3_4_6_8_11	39.5793	-451.384	0.319725	0	-0.23799704	0	-0.10020682
cov1_4_5_6_7_8_9	39.5944	-451.392	0.3154575	0	-0.29168307	0	0
cov1_4_5_6_7_9_10	39.5951	-451.392	0.3154638	0	-0.29199112	0	0
cov1_4_5_6_8_9_10	39.596	-451.392	0.3154601	0	-0.29217099	0	0
cov1_3_4_5_6_9_10	39.6188	-451.404	0.3152318	0	-0.2944759	0	0
cov1_3_4_5_6_7_10	39.6468	-451.418	0.3144292	0	-0.28028918	0	0
cov1_3_4_5_6_8_10	39.6496	-451.419	0.3144779	0	-0.2812408	0	0
cov1_4_5_6_7_8_10	39.6742	-451.432	0.3156853	0	-0.29355561	0	0
cov1_3_5_6_7_8_9	39.697	-451.443	0.3143355	0	-0.26960989	0	0
cov1_3_5_6_7_9_10	39.698	-451.444	0.3143463	0	-0.2699416	0	0
cov1_3_5_6_8_9_10	39.7023	-451.446	0.3144081	0	-0.27108921	0	0
cov1_5_6_7_8_9_10	39.7333	-451.461	0.3157789	0	-0.28500185	0	0
cov1_3_5_6_7_8_10	39.7756	-451.482	0.314662	0	-0.27270696	0	0
cov1_3_4_6_7_8_9	39.7811	-451.485	0.3113076	0	-0.22424196	0	0
cov1_3_4_6_7_9_10	39.7815	-451.485	0.3113312	0	-0.22468041	0	0
cov1_3_4_5_6_7_11	39.7847	-451.487	0.3189249	0	-0.36676884	0	0
cov1_3_4_5_6_8_11	39.7856	-451.487	0.3189562	0	-0.36737863	0	0

cov1_3_4_6_8_9_10	39.7898	-451.489	0.3113748	0	-0.2256051	0	0
cov1_3_6_7_8_9_10	39.7958	-451.492	0.311938	0	-0.23097463	0	0
cov1_2_4_6_7_8_11	39.7973	-451.493	0.3233082	0	-0.24523585	0	-0.11532129
cov1_4_5_6_7_8_11	39.8253	-451.507	0.3204894	0	-0.38345269	0	0
cov1_3_4_6_7_8_10	39.8719	-451.53	0.3116386	0	-0.22674298	0	0
cov1_2_3_6_7_8_11	39.9497	-451.569	0.3154952	0	-0.22442841	0	-0.064916468
cov1_3_5_6_7_8_11	40.0071	-451.598	0.3193937	0	-0.35849985	0	0
cov1_4_6_7_8_9_10	40.0149	-451.602	0.3139555	0	-0.23818883	0	0
cov1_2_3_4_5_6_7	40.041	-451.615	0.3196343	0	-0.26943687	0	-0.070945861
cov1_2_3_4_5_6_8	40.0453	-451.617	0.3196895	0	-0.27070855	0	-0.070856772
cov1_2_3_5_6_7_8	40.0473	-451.618	0.3193769	0	-0.27475593	0	-0.06517295
cov1_2_4_5_6_7_8	40.0641	-451.627	0.3208548	0	-0.28085383	0	-0.072297481
cov4_5_6_7_8_11	40.2349	-455.209	0.3202816	0	0	0	0
cov1_2_3_4_6_7_8	40.3516	-451.77	0.3178839	0	-0.19924192	0	-0.09307646
cov1_3_4_5_6_7_8	40.4786	-451.834	0.3174954	0	-0.32596267	0	0
cov2_3_4_5_6_7_9	40.5576	-451.873	0.3122759	0	0	0	-0.12975098
cov1_3_4_6_7_8_11	40.5744	-451.882	0.3147175	0	-0.27584468	0	0
cov2_3_4_5_6_8_9	40.5927	-451.891	0.3123827	0	0	0	-0.13046919
cov2_3_4_5_6_7_10	40.7075	-451.948	0.3126612	0	0	0	-0.13015789
cov2_3_4_5_6_8_10	40.7427	-451.966	0.3127677	0	0	0	-0.13087071
cov2_3_5_6_7_9_11	40.7645	-451.977	0.3100555	0	0	0	-0.10100133
cov2_4_5_6_7_9_11	40.7828	-451.986	0.3181791	0	0	0	-0.16091979
cov2_4_5_6_8_9_11	40.7932	-451.991	0.3181544	0	0	0	-0.16094804
cov2_3_5_6_8_9_11	40.801	-451.995	0.3101649	0	0	0	-0.1016518
cov2_3_4_5_6_9_11	40.9136	-452.051	0.3160888	0	0	0	-0.15460778
cov2_4_5_6_7_10_11	40.9349	-452.062	0.3184852	0	0	0	-0.16057509
cov2_4_5_6_8_10_11	40.9455	-452.067	0.3184588	0	0	0	-0.1606002
cov2_3_5_6_7_10_11	40.9481	-452.069	0.3104016	0	0	0	-0.10052749
cov2_4_5_6_9_10_11	40.9495	-452.069	0.3173292	0	0	0	-0.15895908
cov2_3_5_6_7_8_9	40.9543	-452.072	0.3096866	0	0	0	-0.09499212
cov2_3_5_6_7_9_10	40.9667	-452.078	0.3096835	0	0	0	-0.095334718
cov2_3_5_6_8_10_11	40.9848	-452.087	0.3105078	0	0	0	-0.10117919
cov2_4_5_6_7_8_9	40.9854	-452.087	0.3171819	0	0	0	-0.15020099
cov2_4_5_6_7_9_10	40.9989	-452.094	0.3171941	0	0	0	-0.15038989
cov2_3_5_6_8_9_10	41.0042	-452.097	0.3097893	0	0	0	-0.095970143
cov2_4_5_6_8_9_10	41.0118	-452.1	0.3171646	0	0	0	-0.15037977
cov2_3_4_5_6_10_11	41.0759	-452.132	0.3164557	0	0	0	-0.15454475
cov2_3_5_6_7_8_10	41.1221	-452.156	0.3100267	0	0	0	-0.094690093
cov2_4_5_6_7_8_10	41.1229	-452.156	0.3174923	0	0	0	-0.15011812
cov2_3_4_5_6_9_10	41.2727	-452.231	0.3154382	0	0	0	-0.14369021
cov2_3_6_7_8_9_11	41.3866	-452.288	0.3154108	0	0	0	-0.12613098
cov2_3_4_6_7_9_11	41.4011	-452.295	0.31628	0	0	0	-0.13409889
cov2_3_6_7_9_10_11	41.4017	-452.295	0.3153994	0	0	0	-0.1269868
cov2_3_4_6_8_9_11	41.4287	-452.309	0.316389	0	0	0	-0.13482683
cov2_3_6_8_9_10_11	41.431	-452.31	0.3154781	0	0	0	-0.12741925
cov2_3_5_6_9_10_11	41.4338	-452.311	0.3133022	0	0	0	-0.11463788
cov2_3_4_6_7_8_9	41.4658	-452.327	0.3156123	0	0	0	-0.12810577

cov2_3_6_7_8_9_10	41.4719	-452.33	0.3146799	0	0	0	-0.12036403
cov2_3_4_6_7_9_10	41.4823	-452.336	0.3156021	0	0	0	-0.12881214
cov2_5_6_7_8_9_11	41.5029	-452.346	0.3159018	0	0	0	-0.11672261
cov2_3_4_6_8_9_10	41.5121	-452.351	0.3157034	0	0	0	-0.12949661
cov2_5_6_7_9_10_11	41.5218	-452.355	0.3159118	0	0	0	-0.11691253
cov2_5_6_8_9_10_11	41.5285	-452.359	0.3158918	0	0	0	-0.11702173
cov1_2_4_5_7_9_11	41.5393	-452.364	0.319974	0	-0.11983011	0	-0.078170716
cov1_2_4_5_9_10_11	41.5398	-452.364	0.3198486	0	-0.12406424	0	-0.076986011
cov1_2_4_5_8_9_11	41.5425	-452.366	0.3199379	0	-0.12061827	0	-0.077831259
cov1_2_3_4_5_9_11	41.5469	-452.368	0.3197088	0	-0.12294885	0	-0.076372518
cov1_2_5_7_8_9_11	41.5508	-452.37	0.3194392	0	-0.13592185	0	-0.061521168
cov2_3_6_7_8_10_11	41.5596	-452.374	0.3157104	0	0	0	-0.12570493
cov2_4_6_7_8_9_11	41.5702	-452.38	0.319221	0	0	0	-0.14801452
cov2_3_4_6_7_10_11	41.5707	-452.38	0.3166889	0	0	0	-0.13459804
cov1_2_3_5_7_9_11	41.5782	-452.384	0.318362	0	-0.12542999	0	-0.060545006
cov1_2_3_4_7_9_11	41.5792	-452.384	0.3177656	0	-0.077001292	0	-0.085935402
cov1_2_3_5_8_9_11	41.5856	-452.387	0.3185496	0	-0.12793404	0	-0.060721778
cov1_2_3_5_9_10_11	41.5861	-452.388	0.3190893	0	-0.1356144	0	-0.061709529
cov1_2_5_7_9_10_11	41.5899	-452.389	0.3195349	0	-0.13698703	0	-0.061952365
cov1_2_5_8_9_10_11	41.5906	-452.39	0.3195063	0	-0.13740923	0	-0.061958427
cov2_4_6_7_9_10_11	41.594	-452.392	0.3192725	0	0	0	-0.14889852
cov1_2_3_4_8_9_11	41.5974	-452.393	0.3178821	0	-0.077716803	0	-0.086425716
cov2_3_4_6_8_10_11	41.5988	-452.394	0.3167889	0	0	0	-0.13535116
cov1_2_4_5_7_10_11	41.603	-452.396	0.3202133	0	-0.12341868	0	-0.077682156
cov1_2_4_7_8_9_11	41.604	-452.397	0.3195404	0	-0.080543112	0	-0.09380791
cov2_4_6_8_9_10_11	41.6049	-452.397	0.3192423	0	0	0	-0.14889297
cov1_2_4_5_8_10_11	41.6062	-452.398	0.3201769	0	-0.124236	0	-0.077322784
cov1_2_3_4_5_10_11	41.6109	-452.4	0.3199828	0	-0.12673135	0	-0.075951494
cov1_2_5_7_8_10_11	41.6146	-452.402	0.3196807	0	-0.1395558	0	-0.061088115
cov2_5_6_7_8_9_10	41.6257	-452.407	0.3152663	0	0	0	-0.11124521
cov2_3_4_6_7_8_10	41.627	-452.408	0.3160286	0	0	0	-0.12880674
cov1_2_3_5_7_10_11	41.6435	-452.416	0.3186698	0	-0.12975245	0	-0.060184527
cov1_2_3_5_8_10_11	41.6505	-452.42	0.3188538	0	-0.13220923	0	-0.06035616
cov1_2_4_7_9_10_11	41.6507	-452.42	0.319604	0	-0.08071743	0	-0.094102139
cov2_4_6_7_8_9_10	41.6511	-452.42	0.3185374	0	0	0	-0.14265253
cov1_2_3_4_7_10_11	41.6518	-452.42	0.3180245	0	-0.07949153	0	-0.08592598
cov1_2_4_8_9_10_11	41.6571	-452.423	0.3195628	0	-0.081031394	0	-0.093948187
cov1_2_3_4_8_10_11	41.6699	-452.429	0.3181404	0	-0.080205553	0	-0.086397702
cov1_2_3_4_9_10_11	41.6725	-452.431	0.3187741	0	-0.083099116	0	-0.090963911
cov2_5_6_7_8_10_11	41.6733	-452.431	0.3161854	0	0	0	-0.11580994
cov1_2_4_7_8_10_11	41.6748	-452.432	0.319765	0	-0.082965228	0	-0.093502938
cov2_6_7_8_9_10_11	41.6942	-452.442	0.3176315	0	0	0	-0.12837302
cov2_3_4_6_9_10_11	41.7007	-452.445	0.3181152	0	0	0	-0.14575203
cov2_4_6_7_8_10_11	41.7354	-452.462	0.3195852	0	0	0	-0.14814987
cov1_2_3_7_8_9_11	41.7849	-452.487	0.3142914	0	-0.063004579	0	-0.056280326
cov1_2_3_7_9_10_11	41.8295	-452.509	0.3143183	0	-0.063043042	0	-0.056516517
cov1_2_3_8_9_10_11	41.8561	-452.523	0.3143934	0	-0.063611357	0	-0.056534341

cov1_2_3_7_8_10_11	41.8692	-452.529	0.3144915	0	-0.065417179	0	-0.055526666
cov1_2_4_5_7_8_11	41.9105	-452.55	0.3225201	0	-0.16424381	0	-0.079067392
cov1_2_3_5_7_8_11	41.9266	-452.558	0.320774	0	-0.16478693	0	-0.064028299
cov1_2_3_4_5_7_11	41.93	-452.559	0.3213277	0	-0.15292154	0	-0.077590694
cov2_3_4_5_7_9_11	41.9362	-452.563	0.3161405	0	0	0	-0.11039298
cov1_2_3_4_5_8_11	41.9401	-452.565	0.3214996	0	-0.1557028	0	-0.077441322
cov2_3_4_5_8_9_11	41.971	-452.58	0.3162847	0	0	0	-0.11128797
cov1_4_5_7_8_9_11	42.0252	-452.607	0.3179525	0	-0.18402627	0	0
cov1_3_4_5_7_9_11	42.0344	-452.612	0.3165187	0	-0.16874814	0	0
cov2_3_4_5_7_10_11	42.0377	-452.613	0.3163974	0	0	0	-0.11125543
cov1_3_4_5_8_9_11	42.042	-452.615	0.3166979	0	-0.17142043	0	0
cov1_3_4_5_9_10_11	42.0474	-452.618	0.3172181	0	-0.17994863	0	0
cov1_4_5_8_9_10_11	42.066	-452.627	0.3179986	0	-0.18556536	0	0
cov1_4_5_7_9_10_11	42.0674	-452.628	0.3180237	0	-0.18509113	0	0
cov1_3_5_7_8_9_11	42.0703	-452.63	0.3164741	0	-0.16362178	0	0
cov2_3_4_5_8_10_11	42.0728	-452.631	0.3165424	0	0	0	-0.11213797
cov2_3_4_5_6_7_11	42.0801	-452.635	0.317259	0	0	0	-0.15941223
cov1_4_5_7_8_10_11	42.0822	-452.636	0.3181711	0	-0.1867589	0	0
cov2_3_4_7_8_9_11	42.0918	-452.64	0.3171343	0	0	0	-0.11377205
cov1_3_4_5_7_10_11	42.0941	-452.642	0.3168122	0	-0.17236514	0	0
cov2_4_5_7_8_9_11	42.0947	-452.642	0.3192981	0	0	0	-0.126353
cov1_3_4_5_8_10_11	42.1013	-452.645	0.3169878	0	-0.17499026	0	0
cov1_2_7_8_9_10_11	42.1059	-452.647	0.3166388	0	-0.064113895	0	-0.057240901
cov1_5_7_8_9_10_11	42.109	-452.649	0.3180463	0	-0.18039967	0	0
cov1_3_5_7_9_10_11	42.1145	-452.652	0.3165356	0	-0.16443288	0	0
cov1_2_3_4_7_8_11	42.1198	-452.654	0.3196434	0	-0.094410436	0	-0.09685885
cov1_3_5_8_9_10_11	42.1251	-452.657	0.3167193	0	-0.16710227	0	0
cov1_3_5_7_8_10_11	42.1285	-452.659	0.3167632	0	-0.16708633	0	0
cov2_3_4_5_6_8_11	42.1323	-452.661	0.3174181	0	0	0	-0.1604174
cov2_3_4_7_9_10_11	42.1352	-452.662	0.3171502	0	0	0	-0.11423299
cov2_4_5_7_9_10_11	42.1462	-452.668	0.3193622	0	0	0	-0.12661937
cov2_4_5_8_9_10_11	42.1585	-452.674	0.3193189	0	0	0	-0.12658164
cov2_3_5_7_8_9_11	42.1601	-452.675	0.3138818	0	0	0	-0.08236637
cov2_3_4_8_9_10_11	42.1652	-452.677	0.3172795	0	0	0	-0.11505638
cov2_3_7_8_9_10_11	42.1845	-452.687	0.314903	0	0	0	-0.091252964
cov2_4_5_7_8_10_11	42.1965	-452.693	0.3195531	0	0	0	-0.12697531
cov2_3_5_7_9_10_11	42.2061	-452.698	0.3139263	0	0	0	-0.082853929
cov2_3_4_7_8_10_11	42.2071	-452.698	0.3174393	0	0	0	-0.11494195
cov2_3_4_5_9_10_11	42.2207	-452.705	0.3180236	0	0	0	-0.12331713
cov2_4_7_8_9_10_11	42.231	-452.71	0.3196652	0	0	0	-0.12714215
cov2_3_5_8_9_10_11	42.2435	-452.716	0.3140674	0	0	0	-0.083633139
cov1_3_7_8_9_10_11	42.2558	-452.722	0.3131558	0	-0.10793465	0	0
cov1_3_4_7_8_9_11	42.2565	-452.723	0.3132192	0	-0.10859908	0	0
cov2_3_5_7_8_10_11	42.2757	-452.732	0.3140923	0	0	0	-0.082601748
cov1_3_4_7_9_10_11	42.3038	-452.746	0.3132595	0	-0.10881931	0	0
cov2_3_4_5_6_7_8	42.3216	-452.755	0.3165431	0	0	0	-0.14911563
cov1_3_4_7_8_10_11	42.3273	-452.758	0.3134842	0	-0.11105212	0	0

cov1_3_4_8_9_10_11	42.3305	-452.76	0.3133604	0	-0.1097843	0	0
cov3_4_5_6_7_9_11	42.3678	-452.778	0.305008	0	0	0	0
cov3_5_6_7_8_9_11	42.3737	-452.781	0.3051946	0	0	0	0
cov3_5_6_7_9_10_11	42.394	-452.792	0.3051837	0	0	0	0
cov3_4_5_6_7_8_9	42.408	-452.798	0.3050176	0	0	0	0
cov1_3_4_5_7_8_11	42.4095	-452.799	0.3189043	0	-0.21254596	0	0
cov3_4_5_6_8_9_11	42.4269	-452.808	0.3050956	0	0	0	0
cov3_4_5_6_7_9_10	42.4271	-452.808	0.3050069	0	0	0	0
cov3_5_6_7_8_9_10	42.4338	-452.811	0.3051982	0	0	0	0
cov3_5_6_8_9_10_11	42.4542	-452.822	0.3052754	0	0	0	0
cov3_4_5_6_8_9_10	42.4857	-452.837	0.305093	0	0	0	0
cov1_2_4_5_7_8_9	42.4902	-452.84	0.317981	0	-0.067253077	0	-0.07050267
cov1_2_3_4_7_8_9	42.5178	-452.853	0.3157766	0	-0.026193928	0	-0.077569177
cov1_2_3_5_7_8_9	42.519	-452.854	0.316332	0	-0.071166625	0	-0.053826203
cov2_5_7_8_9_10_11	42.5211	-452.855	0.317623	0	0	0	-0.096265158
cov1_2_3_4_5_7_9	42.5232	-452.856	0.3168747	0	-0.056709315	0	-0.069111764
cov3_4_5_6_7_10_11	42.5352	-452.862	0.3053738	0	0	0	0
cov3_5_6_7_8_10_11	42.5355	-452.862	0.3055405	0	0	0	0
cov1_2_5_7_8_9_10	42.5403	-452.865	0.3175577	0	-0.083091645	0	-0.055061211
cov1_4_7_8_9_10_11	42.5407	-452.865	0.316103	0	-0.12227906	0	0
cov1_2_4_5_7_9_10	42.5424	-452.866	0.3180399	0	-0.067732392	0	-0.070506836
cov1_2_4_5_7_8_10	42.5449	-452.867	0.3181855	0	-0.070285174	0	-0.07004055
cov1_2_3_4_5_8_9	42.5474	-452.868	0.3170721	0	-0.059709693	0	-0.068868108
cov1_2_4_5_8_9_10	42.5586	-452.874	0.3179875	0	-0.068364571	0	-0.070010525
cov3_4_5_6_7_8_10	42.5665	-452.878	0.3053739	0	0	0	0
cov1_2_3_5_7_9_10	42.5695	-452.879	0.3163916	0	-0.071556757	0	-0.054034358
cov1_2_3_4_7_9_10	42.5719	-452.88	0.3158132	0	-0.026153776	0	-0.077639244
cov1_2_3_5_7_8_10	42.5763	-452.883	0.3166129	0	-0.075187608	0	-0.053379378
cov1_2_3_4_7_8_10	42.5797	-452.884	0.3160246	0	-0.028859354	0	-0.077429997
cov1_2_3_4_5_7_10	42.5798	-452.884	0.3171591	0	-0.060658307	0	-0.068676349
cov2_3_4_5_7_8_9	42.5892	-452.889	0.3154949	0	0	0	-0.089156942
cov1_2_3_5_8_9_10	42.5913	-452.89	0.316597	0	-0.074103013	0	-0.054173077
cov3_4_5_6_8_10_11	42.5941	-452.892	0.3054613	0	0	0	0
cov1_2_4_7_8_9_10	42.5944	-452.892	0.3175931	0	-0.029987913	0	-0.085509957
cov2_3_4_7_8_9_10	42.6017	-452.895	0.3158213	0	0	0	-0.091701974
cov1_2_3_4_5_8_10	42.6033	-452.896	0.3173515	0	-0.063600924	0	-0.068418134
cov1_2_3_4_8_9_10	42.6057	-452.897	0.3159293	0	-0.026596717	0	-0.078092469
cov1_2_3_4_5_9_10	42.6435	-452.916	0.3185116	0	-0.082537088	0	-0.06723948
cov2_3_4_5_7_9_10	42.6436	-452.916	0.3155349	0	0	0	-0.089285649
cov2_3_5_6_7_8_11	42.6436	-452.916	0.3141935	0	0	0	-0.11691415
cov2_3_4_5_7_8_10	42.6652	-452.927	0.3157217	0	0	0	-0.090182072
cov2_3_4_5_8_9_10	42.6821	-452.936	0.3156822	0	0	0	-0.090156029
cov2_4_5_7_8_9_10	42.7056	-452.947	0.3179012	0	0	0	-0.10251589
cov2_3_4_6_7_8_11	42.7062	-452.948	0.3192116	0	0	0	-0.15207318
cov1_2_3_7_8_9_10	42.7396	-452.964	0.3126153	0	-0.014085532	0	-0.050049775
cov2_3_5_7_8_9_10	42.7478	-452.968	0.3138497	0	0	0	-0.06936174
cov2_3_4_5_7_8_11	42.8369	-453.013	0.3185649	0	0	0	-0.13313458

cov1_3_4_5_7_8_9	42.8864	-453.038	0.3148326	0	-0.11215506	0	0
cov2_4_5_6_7_8_11	42.9139	-453.051	0.3247532	0	0	0	-0.18860759
cov1_4_5_7_8_9_10	42.9253	-453.057	0.3163539	0	-0.12841579	0	0
cov1_2_3_4_5_7_8	42.9322	-453.061	0.3193817	0	-0.1009004	0	-0.069697961
cov1_3_4_5_7_9_10	42.9375	-453.063	0.3148889	0	-0.11262496	0	0
cov1_3_4_5_7_8_10	42.9381	-453.064	0.3151045	0	-0.11546592	0	0
cov1_3_5_7_8_9_10	42.9479	-453.068	0.3148735	0	-0.10879062	0	0
cov1_3_4_5_8_9_10	42.9587	-453.074	0.3150862	0	-0.11530459	0	0
cov1_3_4_7_8_9_10	43.1132	-453.151	0.3119058	0	-0.058535549	0	0
cov3_4_5_7_8_9_11	43.2579	-453.223	0.308892	0	0	0	0
cov3_4_6_7_8_9_10	43.2831	-453.236	0.3085867	0	0	0	0
cov3_4_6_7_8_9_11	43.2838	-453.236	0.3086556	0	0	0	0
cov3_5_7_8_9_10_11	43.285	-453.237	0.30902	0	0	0	0
cov3_4_5_7_9_10_11	43.311	-453.25	0.3089361	0	0	0	0
cov3_4_6_7_9_10_11	43.3194	-453.254	0.3086352	0	0	0	0
cov3_4_5_8_9_10_11	43.3695	-453.279	0.3090398	0	0	0	0
cov3_4_6_8_9_10_11	43.3714	-453.28	0.3087216	0	0	0	0
cov3_4_5_7_8_10_11	43.3779	-453.283	0.3091112	0	0	0	0
cov3_4_6_7_8_10_11	43.4632	-453.326	0.3090401	0	0	0	0
cov3_4_5_6_9_10_11	43.5411	-453.365	0.3083723	0	0	0	0
cov3_4_5_7_8_9_10	43.5557	-453.372	0.3095144	0	0	0	0
cov3_4_7_8_9_10_11	43.5582	-453.374	0.3099504	0	0	0	0
cov4_5_6_7_8_9_10	43.7647	-453.477	0.3120706	0	0	0	0
cov5_6_7_8_9_10_11	43.775	-453.482	0.3121959	0	0	0	0
cov4_5_6_7_8_9_11	43.7791	-453.484	0.3121761	0	0	0	0
cov4_5_6_7_9_10_11	43.7927	-453.491	0.3121335	0	0	0	0
cov4_5_6_8_9_10_11	43.8034	-453.496	0.3121033	0	0	0	0
cov4_5_6_7_8_10_11	43.904	-453.546	0.3124104	0	0	0	0
cov4_5_7_8_9_10_11	44.1648	-453.677	0.3136933	0	0	0	0
cov4_6_7_8_9_10_11	44.1843	-453.687	0.3134828	0	0	0	0
cov3_6_7_8_9_10_11	44.3979	-453.793	0.3131949	0	0	0	0
cov3_4_5_6_7_8_11	44.813	-454.001	0.3092334	0	0	0	0
cov1_2_4_5_6_9_10_11	45.4347	-450.814	0.3189896	0	-0.26974693	0	-0.077691232
cov1_2_3_4_5_6_9_11	45.4362	-450.815	0.3186719	0	-0.26851618	0	-0.076626672
cov1_2_4_5_6_7_9_11	45.4367	-450.815	0.3190329	0	-0.26763026	0	-0.078148745
cov1_2_4_5_6_8_9_11	45.4369	-450.816	0.3190375	0	-0.26781201	0	-0.078093382
cov1_2_3_5_6_7_9_11	45.447	-450.821	0.3176566	0	-0.26947206	0	-0.066281343
cov1_2_3_5_6_8_9_11	45.448	-450.821	0.3176933	0	-0.27006271	0	-0.066315159
cov1_2_3_5_6_9_10_11	45.4521	-450.823	0.3182032	0	-0.27717079	0	-0.067133554
cov1_2_5_6_7_9_10_11	45.4586	-450.826	0.3186702	0	-0.27953434	0	-0.067426535
cov1_2_5_6_8_9_10_11	45.4586	-450.826	0.3186668	0	-0.27958656	0	-0.067428118
cov1_2_5_6_7_8_9_11	45.4618	-450.828	0.3186351	0	-0.27882119	0	-0.067096141
cov1_2_3_4_6_7_9_11	45.4733	-450.834	0.3170815	0	-0.22806385	0	-0.08544322
cov1_2_3_4_6_8_9_11	45.4763	-450.835	0.3171169	0	-0.22858706	0	-0.085552314
cov1_2_4_6_7_8_9_11	45.5338	-450.864	0.3187526	0	-0.23159345	0	-0.092522699
cov1_2_4_6_7_9_10_11	45.5341	-450.864	0.3187616	0	-0.23182528	0	-0.092724765
cov1_2_4_6_8_9_10_11	45.5347	-450.864	0.3187619	0	-0.23198943	0	-0.092687932



cov1_2_3_4_6_9_10_11	45.5364	-450.865	0.3179258	0	-0.23376782	0	-0.089465865
cov1_2_4_5_6_7_10_11	45.5373	-450.866	0.3192992	0	-0.2706553	0	-0.077373922
cov1_2_4_5_6_8_10_11	45.5376	-450.866	0.3192946	0	-0.27081495	0	-0.077320316
cov1_2_3_4_5_6_10_11	45.5377	-450.866	0.3189881	0	-0.27177532	0	-0.07599116
cov1_2_3_5_6_7_10_11	45.5506	-450.872	0.3180144	0	-0.27354673	0	-0.065570389
cov1_2_3_5_6_8_10_11	45.5515	-450.873	0.3180492	0	-0.27410392	0	-0.065604581
cov1_2_5_6_7_8_10_11	45.5627	-450.878	0.3188951	0	-0.28191799	0	-0.066296582
cov1_2_3_4_6_7_10_11	45.583	-450.889	0.3173965	0	-0.23025005	0	-0.085206152
cov1_2_3_4_6_8_10_11	45.586	-450.89	0.3174316	0	-0.23076465	0	-0.085316128
cov1_2_3_6_7_9_10_11	45.6203	-450.907	0.3143054	0	-0.21952747	0	-0.062976687
cov1_2_3_6_7_8_9_11	45.6213	-450.908	0.3143179	0	-0.219459	0	-0.062801089
cov1_2_3_6_8_9_10_11	45.6247	-450.909	0.3143353	0	-0.2201714	0	-0.062993198
cov1_2_4_6_7_8_10_11	45.6392	-450.917	0.3190028	0	-0.23368402	0	-0.091887181
cov1_2_3_6_7_8_10_11	45.741	-450.968	0.3145513	0	-0.22151704	0	-0.061728236
cov1_2_6_7_8_9_10_11	45.8478	-451.021	0.316228	0	-0.22266162	0	-0.063623789
cov1_3_4_5_6_7_9_11	45.938	-451.066	0.315596	0	-0.31747867	0	0
cov1_3_4_5_6_8_9_11	45.9389	-451.066	0.315628	0	-0.31805986	0	0
cov1_3_4_5_6_9_10_11	45.9443	-451.069	0.3160656	0	-0.32517775	0	0
cov1_4_5_6_8_9_10_11	45.9681	-451.081	0.3169637	0	-0.3324193	0	0
cov1_4_5_6_7_9_10_11	45.9684	-451.081	0.3169706	0	-0.33244364	0	0
cov1_4_5_6_7_8_9_11	45.9691	-451.082	0.3169531	0	-0.33178259	0	0
cov1_3_4_5_6_7_10_11	46.0323	-451.113	0.3159473	0	-0.32066036	0	0
cov1_3_4_5_6_8_10_11	46.033	-451.114	0.3159776	0	-0.32120863	0	0
cov1_4_5_6_7_8_10_11	46.059	-451.127	0.3171984	0	-0.33376244	0	0
cov1_3_5_6_7_8_9_11	46.0937	-451.144	0.3158092	0	-0.30871587	0	0
cov1_3_5_6_7_9_10_11	46.0941	-451.144	0.3158171	0	-0.30917599	0	0
cov1_3_5_6_8_9_10_11	46.0958	-451.145	0.3158544	0	-0.30996657	0	0
cov1_2_3_4_5_6_7_9	46.1234	-451.159	0.3162174	0	-0.2208547	0	-0.070509775
cov1_2_3_4_5_6_8_9	46.1273	-451.161	0.3162737	0	-0.22206594	0	-0.070425647
cov1_5_6_7_8_9_10_11	46.1291	-451.162	0.3172582	0	-0.32420639	0	0
cov1_2_4_5_6_7_8_9	46.1389	-451.167	0.3172255	0	-0.2300986	0	-0.071664303
cov1_2_4_5_6_7_9_10	46.1394	-451.167	0.3172367	0	-0.23060185	0	-0.07168837
cov1_2_4_5_6_8_9_10	46.1415	-451.168	0.317229	0	-0.23101308	0	-0.071571006
cov1_2_3_5_6_7_9_10	46.1418	-451.168	0.3158434	0	-0.23065349	0	-0.061043417
cov1_2_3_5_6_7_8_9	46.142	-451.168	0.315836	0	-0.23030283	0	-0.060881947
cov1_2_3_5_6_8_9_10	46.1452	-451.17	0.3159014	0	-0.23166854	0	-0.06108556
cov1_2_5_6_7_8_9_10	46.159	-451.177	0.316888	0	-0.24066855	0	-0.061866962
cov1_2_3_4_6_7_8_9	46.1666	-451.18	0.3152805	0	-0.19206932	0	-0.078353785
cov1_2_3_4_6_7_9_10	46.1675	-451.181	0.31529	0	-0.19233316	0	-0.078420486
cov1_2_3_4_6_8_9_10	46.1739	-451.184	0.3153241	0	-0.19306627	0	-0.078532025
cov1_3_5_6_7_8_10_11	46.1822	-451.188	0.3161477	0	-0.31181369	0	0
cov1_3_4_6_7_8_9_11	46.1916	-451.193	0.3125528	0	-0.2594515	0	0
cov1_3_4_6_7_9_10_11	46.1924	-451.193	0.3125587	0	-0.25974198	0	0
cov1_2_3_4_5_6_9_10	46.1972	-451.196	0.3174715	0	-0.24194554	0	-0.069031634
cov1_3_4_6_8_9_10_11	46.1975	-451.196	0.3125961	0	-0.26050884	0	0
cov1_3_6_7_8_9_10_11	46.2091	-451.202	0.3131999	0	-0.2663889	0	0
cov1_2_3_4_5_6_7_10	46.2163	-451.205	0.3165655	0	-0.22475069	0	-0.069845957

cov1_2_3_4_5_6_8_10	46.22	-451.207	0.3166192	0	-0.22591422	0	-0.069765056
cov1_2_4_5_6_7_8_10	46.2287	-451.211	0.3174639	0	-0.23294104	0	-0.070861609
cov1_2_4_6_7_8_9_10	46.2294	-451.212	0.316944	0	-0.19598131	0	-0.085402813
cov1_2_3_5_6_7_8_10	46.2354	-451.215	0.3161781	0	-0.23433695	0	-0.060111878
cov1_2_3_4_5_6_7_11	46.2544	-451.224	0.3214185	0	-0.307064	0	-0.077888776
cov1_2_3_4_5_6_8_11	46.2558	-451.225	0.3214561	0	-0.30784608	0	-0.077850615
cov1_2_3_4_6_7_8_10	46.2642	-451.229	0.3155951	0	-0.19460009	0	-0.078021366
cov1_2_3_5_6_7_8_11	46.2646	-451.229	0.3210944	0	-0.31367857	0	-0.070672402
cov1_2_4_5_6_7_8_11	46.2744	-451.234	0.3225715	0	-0.31777065	0	-0.079168878
cov1_2_3_6_7_8_9_10	46.2908	-451.242	0.3127891	0	-0.18510286	0	-0.057820228
cov1_3_4_6_7_8_10_11	46.2952	-451.245	0.3128807	0	-0.26160546	0	0
cov1_4_6_7_8_9_10_11	46.4456	-451.32	0.3153142	0	-0.2732606	0	0
cov1_3_4_5_6_7_8_9	46.5563	-451.375	0.3140814	0	-0.27685094	0	0
cov1_3_4_5_6_7_9_10	46.5569	-451.375	0.3140872	0	-0.27722969	0	0
cov1_3_4_5_6_8_9_10	46.5599	-451.377	0.3141382	0	-0.27821741	0	0
cov1_2_3_4_6_7_8_11	46.5661	-451.38	0.3196584	0	-0.23675501	0	-0.10004198
cov1_4_5_6_7_8_9_10	46.5892	-451.392	0.315457	0	-0.29171256	0	0
cov1_3_4_5_6_7_8_10	46.6409	-451.418	0.3144213	0	-0.27997942	0	0
cov1_3_5_6_7_8_9_10	46.6918	-451.443	0.3143386	0	-0.2695919	0	0
cov1_3_4_6_7_8_9_10	46.7754	-451.485	0.3113229	0	-0.22435807	0	0
cov1_3_4_5_6_7_8_11	46.7791	-451.487	0.3189194	0	-0.36654164	0	0
cov1_2_3_4_5_6_7_8	47.0351	-451.615	0.3196253	0	-0.26908172	0	-0.070965509
cov2_3_4_5_6_7_9_11	47.272	-451.733	0.3129671	0	0	0	-0.14001909
cov2_3_4_5_6_8_9_11	47.3059	-451.75	0.3130759	0	0	0	-0.1407425
cov2_3_4_5_6_7_10_11	47.4381	-451.816	0.3133563	0	0	0	-0.14020769
cov2_3_4_5_6_8_10_11	47.4722	-451.833	0.3134669	0	0	0	-0.14092831
cov2_3_4_5_6_7_8_9	47.5408	-451.867	0.3122697	0	0	0	-0.12949399
cov2_3_4_5_6_7_9_10	47.5522	-451.873	0.3122728	0	0	0	-0.12978643
cov2_3_4_5_6_8_9_10	47.5874	-451.891	0.3123814	0	0	0	-0.13051489
cov2_3_4_5_6_7_8_10	47.6905	-451.942	0.3126545	0	0	0	-0.1298983
cov2_3_5_6_7_8_9_11	47.7446	-451.969	0.3100622	0	0	0	-0.10080133
cov2_3_5_6_7_9_10_11	47.7569	-451.976	0.3100543	0	0	0	-0.1012521
cov2_4_5_6_7_8_9_11	47.7618	-451.978	0.3181579	0	0	0	-0.16058485
cov2_4_5_6_7_9_10_11	47.7775	-451.986	0.3181729	0	0	0	-0.16082388
cov2_4_5_6_8_9_10_11	47.7878	-451.991	0.3181472	0	0	0	-0.16085184
cov2_3_5_6_8_9_10_11	47.7936	-451.994	0.3101639	0	0	0	-0.10189508
cov2_3_4_5_6_9_10_11	47.9083	-452.051	0.3160874	0	0	0	-0.15455218
cov2_4_5_6_7_8_10_11	47.9136	-452.054	0.318463	0	0	0	-0.16023774
cov2_3_5_6_7_8_10_11	47.928	-452.061	0.3104059	0	0	0	-0.10034256
cov2_3_5_6_7_8_9_10	47.9482	-452.071	0.3096851	0	0	0	-0.095132313
cov2_4_5_6_7_8_9_10	47.9794	-452.087	0.3171718	0	0	0	-0.15003695
cov2_3_4_6_7_8_9_11	48.3672	-452.281	0.3162505	0	0	0	-0.13378478
cov2_3_6_7_8_9_10_11	48.3689	-452.282	0.3153429	0	0	0	-0.12642079
cov2_3_4_6_7_9_10_11	48.3824	-452.288	0.3162318	0	0	0	-0.13461713
cov2_3_4_6_8_9_10_11	48.4106	-452.302	0.3163436	0	0	0	-0.13534123
cov2_3_4_6_7_8_9_10	48.451	-452.323	0.3155636	0	0	0	-0.12844189
cov1_2_4_5_7_8_9_11	48.4858	-452.34	0.3199244	0	-0.11937352	0	-0.078363141

cov2_5_6_7_8_9_10_11	48.4976	-452.346	0.3158966	0	0	0	-0.11664916
cov1_2_3_4_5_7_9_11	48.5161	-452.355	0.3188942	0	-0.10983963	0	-0.077023825
cov1_2_3_4_7_8_9_11	48.5243	-452.359	0.317709	0	-0.076689858	0	-0.086026345
cov1_2_3_5_7_8_9_11	48.5251	-452.36	0.3182957	0	-0.12499546	0	-0.060579646
cov1_2_3_4_5_8_9_11	48.5257	-452.36	0.3190759	0	-0.1127381	0	-0.076868248
cov1_2_4_5_7_9_10_11	48.5268	-452.36	0.3200051	0	-0.12062241	0	-0.078505433
cov1_2_4_5_8_9_10_11	48.53	-452.362	0.3199707	0	-0.12146281	0	-0.0781324
cov1_2_3_4_5_9_10_11	48.5342	-452.364	0.3197207	0	-0.12372892	0	-0.076621449
cov2_3_4_6_7_8_10_11	48.5365	-452.365	0.3166492	0	0	0	-0.13430983
cov1_2_5_7_8_9_10_11	48.5373	-452.366	0.319479	0	-0.13666768	0	-0.061996798
cov1_2_4_5_7_8_10_11	48.55	-452.372	0.3201646	0	-0.12300057	0	-0.077847223
cov2_4_6_7_8_9_10_11	48.5598	-452.377	0.3192387	0	0	0	-0.14855757
cov1_2_3_5_7_9_10_11	48.5631	-452.379	0.3183607	0	-0.12581631	0	-0.061029459
cov1_2_3_4_7_9_10_11	48.5682	-452.381	0.3177352	0	-0.076704916	0	-0.086362783
cov1_2_3_5_8_9_10_11	48.5708	-452.382	0.3185488	0	-0.12832074	0	-0.061199074
cov1_2_3_4_5_7_10_11	48.5818	-452.388	0.3192027	0	-0.11416504	0	-0.076587269
cov1_2_3_4_8_9_10_11	48.5868	-452.39	0.3178536	0	-0.077434469	0	-0.086836603
cov1_2_3_4_5_8_10_11	48.591	-452.393	0.3193811	0	-0.11701065	0	-0.076433283
cov1_2_3_5_7_8_10_11	48.591	-452.393	0.3186052	0	-0.12933399	0	-0.060214038
cov1_2_4_7_8_9_10_11	48.5965	-452.395	0.3195538	0	-0.080422932	0	-0.094217718
cov1_2_3_4_7_8_10_11	48.5975	-452.396	0.3179693	0	-0.079194256	0	-0.08601155
cov1_2_3_7_8_9_10_11	48.7755	-452.485	0.3142573	0	-0.062714026	0	-0.056557748
cov2_3_4_5_7_8_9_11	48.878	-452.536	0.3160869	0	0	0	-0.11038082
cov1_2_3_4_5_7_8_11	48.8823	-452.538	0.3212863	0	-0.15272354	0	-0.077740999
cov2_3_4_5_7_9_10_11	48.9259	-452.56	0.3161241	0	0	0	-0.11073213
cov2_3_4_5_8_9_10_11	48.961	-452.578	0.3162706	0	0	0	-0.11161977
cov2_3_4_5_7_8_10_11	48.98	-452.587	0.3163456	0	0	0	-0.11124235
cov1_3_4_5_7_8_9_11	48.9826	-452.588	0.3164499	0	-0.16832628	0	0
cov1_4_5_7_8_9_10_11	49.0163	-452.605	0.3179735	0	-0.18480735	0	0
cov1_3_4_5_7_9_10_11	49.0239	-452.609	0.3165101	0	-0.16933022	0	0
cov1_3_4_5_8_9_10_11	49.0317	-452.613	0.31669	0	-0.17199507	0	0
cov1_3_4_5_7_8_10_11	49.0428	-452.618	0.3167491	0	-0.17195355	0	0
cov2_3_4_5_6_7_8_11	49.0578	-452.626	0.3172452	0	0	0	-0.15910354
cov1_3_5_7_8_9_10_11	49.062	-452.628	0.3164683	0	-0.16401298	0	0
cov2_3_4_7_8_9_10_11	49.0757	-452.635	0.3170943	0	0	0	-0.11421225
cov2_4_5_7_8_9_10_11	49.0884	-452.641	0.3193103	0	0	0	-0.12661604
cov2_3_5_7_8_9_10_11	49.1486	-452.671	0.3138717	0	0	0	-0.082809059
cov1_3_4_7_8_9_10_11	49.2505	-452.722	0.3132015	0	-0.10854733	0	0
cov3_4_5_6_7_8_9_11	49.3413	-452.768	0.3050256	0	0	0	0
cov3_4_5_6_7_9_10_11	49.362	-452.778	0.3050137	0	0	0	0
cov3_5_6_7_8_9_10_11	49.3674	-452.781	0.3052002	0	0	0	0
cov3_4_5_6_7_8_9_10	49.4018	-452.798	0.3050241	0	0	0	0
cov3_4_5_6_8_9_10_11	49.4209	-452.808	0.3050988	0	0	0	0
cov1_2_3_4_5_7_8_9	49.4634	-452.829	0.3168169	0	-0.056284231	0	-0.069314448
cov1_2_4_5_7_8_9_10	49.4832	-452.839	0.3179938	0	-0.067472413	0	-0.070693249
cov3_4_5_6_7_8_10_11	49.5084	-452.851	0.3053917	0	0	0	0
cov1_2_3_5_7_8_9_10	49.5105	-452.852	0.3163266	0	-0.07124527	0	-0.054095646

cov1_2_3_4_7_8_9_10	49.5113	-452.853	0.3157608	0	-0.025986596	0	-0.077755417
cov1_2_3_4_5_7_9_10	49.5153	-452.855	0.316877	0	-0.056881632	0	-0.069276936
cov1_2_3_4_5_7_8_10	49.5206	-452.857	0.3171011	0	-0.060251307	0	-0.06886232
cov1_2_3_4_5_8_9_10	49.5397	-452.867	0.3170659	0	-0.059889177	0	-0.068997051
cov2_3_4_5_7_8_9_10	49.582	-452.888	0.315486	0	0	0	-0.089330333
cov1_3_4_5_7_8_9_10	49.88	-453.037	0.3148274	0	-0.1123542	0	0
cov3_4_5_7_8_9_10_11	50.2526	-453.223	0.3088868	0	0	0	0
cov3_4_6_7_8_9_10_11	50.276	-453.235	0.308627	0	0	0	0
cov4_5_6_7_8_9_10_11	50.7569	-453.476	0.3121313	0	0	0	0
cov1_2_3_4_5_6_7_9_11	52.4172	-450.808	0.3180814	0	-0.25865883	0	-0.077100175
cov1_2_3_4_5_6_8_9_11	52.4185	-450.809	0.3181196	0	-0.25941208	0	-0.077061546
cov1_2_3_4_5_6_9_10_11	52.4273	-450.813	0.3186805	0	-0.26899857	0	-0.076800894
cov1_2_4_5_6_7_9_10_11	52.428	-450.814	0.3190602	0	-0.26815389	0	-0.078353807
cov1_2_4_5_6_8_9_10_11	52.4282	-450.814	0.3190545	0	-0.26830838	0	-0.078299821
cov1_2_4_5_6_7_8_9_11	52.4307	-450.815	0.3190309	0	-0.26731545	0	-0.078168084
cov1_2_3_5_6_7_9_10_11	52.4369	-450.818	0.3176551	0	-0.26964725	0	-0.066619304
cov1_2_3_5_6_8_9_10_11	52.4379	-450.819	0.3176942	0	-0.27027014	0	-0.066646234
cov1_2_3_5_6_7_8_9_11	52.4411	-450.82	0.3176474	0	-0.2691631	0	-0.066275741
cov1_2_5_6_7_8_9_10_11	52.4527	-450.826	0.3186691	0	-0.2793237	0	-0.067427062
cov1_2_3_4_6_7_9_10_11	52.4655	-450.832	0.317062	0	-0.22780405	0	-0.085724425
cov1_2_3_4_6_7_8_9_11	52.4671	-450.833	0.3170728	0	-0.22771774	0	-0.085456914
cov1_2_3_4_6_8_9_10_11	52.4687	-450.834	0.3170983	0	-0.22833739	0	-0.085831191
cov1_2_3_4_5_6_7_10_11	52.5205	-450.86	0.3184426	0	-0.26264143	0	-0.076442106
cov1_2_3_4_5_6_8_10_11	52.5217	-450.86	0.3184797	0	-0.26336584	0	-0.076400284
cov1_2_4_6_7_8_9_10_11	52.528	-450.864	0.3187618	0	-0.23149452	0	-0.092765992
cov1_2_4_5_6_7_8_10_11	52.5314	-450.865	0.3193053	0	-0.27034955	0	-0.077409366
cov1_2_3_5_6_7_8_10_11	52.5447	-450.872	0.3180051	0	-0.27323666	0	-0.065566465
cov1_2_3_4_6_7_8_10_11	52.5768	-450.888	0.317388	0	-0.22990789	0	-0.085219737
cov1_2_3_6_7_8_9_10_11	52.6144	-450.907	0.3142962	0	-0.21923118	0	-0.062977504
cov1_3_4_5_6_7_9_10_11	52.9308	-451.065	0.3155949	0	-0.31782149	0	0
cov1_3_4_5_6_8_9_10_11	52.9316	-451.065	0.3156228	0	-0.31837023	0	0
cov1_3_4_5_6_7_8_9_11	52.9322	-451.066	0.3155882	0	-0.31718977	0	0
cov1_4_5_6_7_8_9_10_11	52.9626	-451.081	0.3169586	0	-0.3321667	0	0
cov1_3_4_5_6_7_8_10_11	53.0265	-451.113	0.3159398	0	-0.32037573	0	0
cov1_3_5_6_7_8_9_10_11	53.088	-451.144	0.3158074	0	-0.30884317	0	0
cov1_2_3_4_5_6_7_8_9	53.1171	-451.158	0.3162084	0	-0.22047743	0	-0.070532568
cov1_2_3_4_5_6_7_9_10	53.1173	-451.158	0.3162133	0	-0.22093425	0	-0.070591169
cov1_2_3_4_5_6_8_9_10	53.1213	-451.16	0.3162698	0	-0.22214276	0	-0.070506604
cov1_2_4_5_6_7_8_9_10	53.1332	-451.166	0.31723	0	-0.2302527	0	-0.071713726
cov1_2_3_5_6_7_8_9_10	53.1356	-451.167	0.3158267	0	-0.23029153	0	-0.061030482
cov1_2_3_4_6_7_8_9_10	53.1612	-451.18	0.3152676	0	-0.19194292	0	-0.078434984
cov1_3_4_6_7_8_9_10_11	53.1865	-451.193	0.3125507	0	-0.25944051	0	0
cov1_2_3_4_5_6_7_8_10	53.21	-451.205	0.3165566	0	-0.22437256	0	-0.069869532
cov1_2_3_4_5_6_7_8_11	53.2485	-451.224	0.3214118	0	-0.30676637	0	-0.077908915
cov1_3_4_5_6_7_8_9_10	53.5509	-451.375	0.3140791	0	-0.27691576	0	0
cov2_3_4_5_6_7_8_9_11	54.2538	-451.727	0.3129603	0	0	0	-0.1397677
cov2_3_4_5_6_7_9_10_11	54.2656	-451.732	0.3129705	0	0	0	-0.14016857

cov2_3_4_5_6_8_9_10_11	54.2996	-451.749	0.3130758	0	0	0	-0.14088176
cov2_3_4_5_6_7_8_10_11	54.4197	-451.809	0.3133511	0	0	0	-0.13995914
cov2_3_4_5_6_7_8_9_10	54.5354	-451.867	0.3122672	0	0	0	-0.12954546
cov2_3_5_6_7_8_9_10_11	54.7371	-451.968	0.310058	0	0	0	-0.1010658
cov2_4_5_6_7_8_9_10_11	54.7564	-451.978	0.3181507	0	0	0	-0.1604891
cov2_3_4_6_7_8_9_10_11	55.3487	-452.274	0.3162038	0	0	0	-0.13430327
cov1_2_3_4_5_7_8_9_11	55.4621	-452.331	0.3188304	0	-0.10928679	0	-0.0771824
cov1_2_4_5_7_8_9_10_11	55.4734	-452.336	0.3199569	0	-0.1202131	0	-0.078661605
cov1_2_3_4_5_7_9_10_11	55.5022	-452.351	0.3188869	0	-0.11036414	0	-0.077305783
cov1_2_3_5_7_8_9_10_11	55.5101	-452.355	0.318294	0	-0.12538008	0	-0.061062147
cov1_2_3_4_5_8_9_10_11	55.5121	-452.356	0.3190696	0	-0.11325984	0	-0.07714603
cov1_2_3_4_7_8_9_10_11	55.5133	-452.356	0.3176786	0	-0.076392231	0	-0.086451364
cov1_2_3_4_5_7_8_10_11	55.5285	-452.364	0.3191408	0	-0.11362543	0	-0.076739119
cov2_3_4_5_7_8_9_10_11	55.8677	-452.533	0.316072	0	0	0	-0.11072056
cov1_3_4_5_7_8_9_10_11	55.9721	-452.586	0.3164457	0	-0.16890318	0	0
cov3_4_5_6_7_8_9_10_11	56.3355	-452.767	0.3050315	0	0	0	0
cov1_2_3_4_5_7_8_9_10	56.4556	-452.827	0.3168131	0	-0.0566272	0	-0.069389038
cov1_2_3_4_5_6_7_9_10_11	59.4077	-450.806	0.3180763	0	-0.25894389	0	-0.077300601
cov1_2_3_4_5_6_8_9_10_11	59.409	-450.807	0.3181149	0	-0.25970457	0	-0.077263709
cov1_2_3_4_5_6_7_8_9_11	59.4112	-450.808	0.3180725	0	-0.25830201	0	-0.077121745
cov1_2_4_5_6_7_8_9_10_11	59.422	-450.813	0.3190536	0	-0.26782725	0	-0.07837654
cov1_2_3_5_6_7_8_9_10_11	59.431	-450.818	0.3176441	0	-0.26930906	0	-0.066591695
cov1_2_3_4_6_7_8_9_10_11	59.4594	-450.832	0.3170539	0	-0.22745664	0	-0.085741552
cov1_2_3_4_5_6_7_8_10_11	59.5145	-450.859	0.3184343	0	-0.26229404	0	-0.076458448
cov1_3_4_5_6_7_8_9_10_11	59.9249	-451.065	0.3155828	0	-0.31749586	0	0
cov1_2_3_4_5_6_7_8_9_10	60.111	-451.158	0.3162041	0	-0.22055071	0	-0.070615168
cov2_3_4_5_6_7_8_9_10_11	61.2474	-451.726	0.3129576	0	0	0	-0.13990415
cov1_2_3_4_5_7_8_9_10_11	62.4483	-452.326	0.3188232	0	-0.10980813	0	-0.077461252
cov1_2_3_4_5_6_7_8_9_10_11	66.4016	-450.806	0.3180695	0	-0.25856812	0	-0.077341577

[illegible]

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0	-0.095918783	0	0	0	0	-0.028996329	0	0.13083916
0	0	0	0	0	0.057590683	0	0.19027686	0
0	-0.093381159	0	0	0	0	-0.029198719	0	0
0	0	0	0	0	0.058435853	0	0.18931516	0
0	0	0	0	0	0.060425792	0	0.20321821	0
0	-0.10066484	0	0	0	0	0	0	0.34975462
0	0	0	0	0	0.10908825	0	0.17784517	0
0	0	0	0	0	0.06137693	0	0.20207554	0
0	-0.020817639	0	0	0	0	0.193926	0	0
0	0	0	0.037283954	0	0	0.2039738	0	0
0	-0.020207481	0	0	0	0	0.19303737	0	0
0	0	0	0.037656922	0	0	0.20286701	0	0
0	0	0	0	0	0	0.19479115	0	0
0	0	0	0.003879402	0	0	0.19417049	0	0
0	0	0	0	0	0	0.19467028	0	0.002382742
0	0	0	0	0	0	0.1947027	0	0
0	0	0	0	0	0	0.20615631	0	0.021493005
0	0	0	0	0	0	0.20644331	0	0
0	0	0	0.004520233	0	0	0.19321959	0	0
0	0	0	0	0	0	0.19380411	0	0.002485728

0	0	0	0	0	0	0	0.19383781	0	0
0	-0.007931586	0	0	0	0	0	0.20749554	0	0
0	0	0	0	0	0	0	0.20753243	0	0
0	0	0	0	0	0	0	0.20506491	0	0.02136361
0	0	0	0	0	0	0	0.20535028	0	0
0	0	0	-0.035853617	0	0.089838623	0	0.20175362	0	0
0	-0.007433467	0	0	0	0	0	0.20639164	0	0
0	0	0	-0.035106357	0	0.089850395	0	0.20070759	0	0
0	0	0	0	0	0.054693321	0	0.19818504	0	0.018651118
0	0	0	0	0	0.054692248	0	0.19843777	0	0
0	0.004649212	0	0	0	0.058602226	0	0.19909962	0	0
0	0	0	0	0	0.055307802	0	0.19935995	0	0
0	-0.042019367	0	0	0	0	0	0.19962382	0	0.059712489
0	-0.041228868	0	0	0	0	0	0.20044678	0	0
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0	0	0	-0.041169676	0	0.1431541	0	0.17678132	0	0
0	0	0	0.073935954	0	0	0	0.17353378	0	0
0	0.005200945	0	0	0	0.059326225	0	0.19816879	0	0
0	-0.041063671	0	0	0	0	0	0.19872164	0	0.058745544
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0	0	0	0	0	0.10751737	0	0.18573009	0	0.023133478
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0	0.009032558	0	0	0	0.11500984	0	0.18655055	0	0
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0	0	0	-0.024678642	0	0	0	-0.031383903	0	0.24718872
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0	0	0	-0.024489693	0	0	0	-0.025068383	0	0
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0	0	0	-0.017640305	0	-0.022909257	0	0	0	0
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0	0	0	-0.040111614	0	0.14147035	0	0.18461212	0	0.01464778
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[illegible]

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0	-0.013513415	0	0.01588994	0	0.035848096	0	0.20162159	0
0	0	0	0.016649202	0	0.044568361	0	0.20092451	0.052959172
0	-0.014971401	0	0	0	0.049477459	0	0.20142431	0.062984628
0	-0.024924082	0	0.031653671	0	0	0	0.20084902	0.083462359
0	-0.048071653	0	-0.009647995	0	0	0	0.19275255	0.072532436
0	-0.012841047	0	0.016458217	0	0.036499745	0	0.1996137	0.065863493
0	-0.015905318	0	0.01211243	0	0.086846163	0	0.17674782	0.043583494
0	-0.020106699	0	-0.032763103	0	0.072491837	0	0.20021105	0.058767198
0	-0.072177443	0	0.075186032	0	-0.12173466	0	0.12541398	0.20490164
0	-0.072618229	0	0.075222814	0	-0.12208031	0	0.12634759	0.098000027



0	-0.070720105	0	0.075428954	0	-0.12192702	0	0.12665409	0	0
0	-0.071332861	0	0.076511336	0	-0.1222748	0	0.12272807	0	0.20572453
0	-0.067287073	0	0.06842314	0	-0.10800218	0	0.13721264	0	0.20460956
0	-0.086852916	0	0	0	-0.075516237	0	0.1157928	0	0.21420108
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0	-0.044764133	0	0.010909576	0	0	0	0.07157752	0	0.22544314
0	-0.015058304	0	0.027853612	0	0.039369643	0	0	0	0.22919525
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0	-0.015464935	0	0.027357708	0	0.040738938	0	0	0	0.022409356
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0	-0.012449936	0	0.026797516	0	0.043452843	0	0	0	0
0	-0.027742276	0	0.045490623	0	0	0	0	0	0.24699486
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0	-0.014283076	0	0	0	0.054015147	0	0.19311516	0	0.042298909
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0	-0.011969493	0	0.018333406	0	0.039429887	0	0.19125992	0	0.043264199
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0	-0.014455335	0	0.016160276	0	0.034986568	0	0.20072772	0	0.067806538
0	-0.072446627	0	0.075092235	0	-0.12140539	0	0.12529616	0	0.20514602
0	-0.015650954	0	0.027563705	0	0.040437774	0	0	0	0.22955361
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0	0.044048041	0	0	0	0	0	0	0
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[illegible]

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0	-0.026788543	0	-0.081489926	0	0.004036977	0	0	0
0	-0.10752495	0	-0.10467486	0	0	0	-0.036707365	0
0	0	0	-0.11447729	0	0.010208238	0	-0.03669283	0

0	0.094882494	0	-0.11438361	0	0.009603168	0	-0.036788951	0
0	-0.10846989	0	0	0	-0.10087786	0	-0.035633813	0
0	-0.10150782	0	-0.10813569	0	0.004373595	0	0	0
0	-0.11404974	0	-0.12041297	0	0.01385751	0	-0.03117777	0
0	-0.11877449	0	-0.10905986	0	-0.004300969	0	-0.032190659	0
0	-0.15902581	0	-0.11955187	0	0.032657152	0	-0.021076832	0
0	-0.20731097	0	-0.051726589	0	0	0	-0.070859418	0
0	-0.20615278	0	-0.074845367	0	0.024078494	0	-0.071236281	0
0	0	0	-0.076442877	0	0.02648872	0	-0.071335279	0
0	-0.20531881	0	-0.077152369	0	0.028158731	0	-0.070878042	0
0	0.017633751	0	-0.076093248	0	0.026085271	0	-0.071803042	0
0	-0.20899814	0	-0.078741913	0	0.021574687	0	-0.070771634	0
0	-0.20595346	0	0	0	-0.047905579	0	-0.070570778	0
0	-0.21597427	0	-0.091433698	0	0.020364555	0	-0.056824688	0
0	-0.20262378	0	-0.071720936	0	0.020639286	0	-0.067309333	0
0	-0.13740202	0	-0.11451404	0	-0.007081264	0	-0.016741645	0
0	-0.21934381	0	-0.068468965	0	0.014598134	0	0	0
0	0	0	-0.091869749	0	0.018803484	0	-0.059798622	0
0	0.015472874	0	-0.091804184	0	0.018725394	0	-0.059888718	0
0	-0.028710214	0	-0.074063475	0	0	0	-0.059590696	0
0	-0.027679204	0	-0.09024731	0	0.016794107	0	-0.059876983	0
0	-0.028715014	0	-0.092199934	0	0.01992636	0	-0.059579071	0
0	-0.030284618	0	-0.093760792	0	0.014296764	0	-0.059442583	0
0	-0.028307299	0	0	0	-0.070007325	0	-0.059186771	0
0	-0.024231204	0	-0.08688064	0	0.01308439	0	-0.055965822	0
0	-0.031046457	0	-0.085737842	0	0.00870939	0	0	0
0	-0.10752029	0	-0.11431203	0	0.010150596	0	-0.036818189	0
0	-0.20713365	0	-0.076729957	0	0.02636457	0	-0.071131177	0
0	-0.028845436	0	-0.091892174	0	0.018813304	0	-0.059790523	0

SUPPLEMENTARY TABLE 9

Model	BIC	Loglike	H2r	SE	bsnp_rs2938864	SE	bsnp_rs1001646
cov1	-1.6208	-385.574	0.4015096	0	-0.11919205	0	0
cov0	0	-389.899	0.4068612	0	0	0	0
cov5	0.2511	-386.51	0.4039033	0	0	0	0
cov10	0.3329	-386.551	0.3963353	0	0	0	0
cov9	0.4056	-386.587	0.3958894	0	0	0	0
cov6	0.8937	-386.831	0.4021174	0	0	0	0
cov2	1.145	-386.957	0.4031167	0	0	0	-0.097292713
cov4	1.5839	-387.177	0.4014307	0	0	0	0
cov5_10	2.2253	-383.983	0.3948512	0	0	0	0
cov5_9	2.5478	-384.144	0.3947367	0	0	0	0
cov11	2.8567	-387.813	0.4022041	0	0	0	0
cov1_10	3.1683	-384.454	0.3965485	0	-0.091167065	0	0
cov1_9	3.3681	-384.554	0.3964525	0	-0.090784428	0	0
cov4_10	3.4671	-384.604	0.3929286	0	0	0	0
cov4_9	3.6843	-384.712	0.3927225	0	0	0	0
cov2_10	4.9079	-385.324	0.3969063	0	0	0	-0.067661243
cov1_3	5.0421	-385.391	0.4044507	0	-0.12246955	0	0
cov2_9	5.045	-385.392	0.3966286	0	0	0	-0.067150243
cov6_10	5.0903	-385.415	0.3962955	0	0	0	0
cov1_6	5.1602	-385.45	0.4018441	0	-0.16399389	0	0
cov6_9	5.2639	-385.502	0.3961054	0	0	0	0
cov1_11	5.3085	-385.524	0.4020217	0	-0.13434857	0	0
cov1_4	5.3417	-385.541	0.4010858	0	-0.10788753	0	0
cov1_7	5.3505	-385.545	0.402023	0	-0.11844767	0	0
cov1_8	5.3867	-385.563	0.4018297	0	-0.11873948	0	0
cov1_2	5.3916	-385.566	0.4015215	0	-0.12756737	0	0.009760694
cov1_5	5.3977	-385.569	0.4015781	0	-0.1119203	0	0
cov10_11	5.5563	-385.648	0.3951575	0	0	0	0
cov9_11	5.7432	-385.742	0.3949386	0	0	0	0
cov3_10	6.6332	-386.187	0.3991766	0	0	0	0
cov2_5	6.7505	-386.245	0.4030148	0	0	0	-0.043759958
cov3_9	6.7539	-386.247	0.398615	0	0	0	0
cov5_6	6.806	-386.273	0.402701	0	0	0	0
cov7	6.8128	-389.791	0.4075112	0	0	0	0
cov8	6.8915	-389.83	0.4073952	0	0	0	0
cov3	6.9831	-389.876	0.407901	0	0	0	0
cov5_11	7.1056	-386.423	0.402915	0	0	0	0
cov4_6	7.1314	-386.436	0.4009013	0	0	0	0
cov5_7	7.1358	-386.438	0.4046566	0	0	0	0
cov5_8	7.1975	-386.469	0.4044855	0	0	0	0
cov4_5	7.2448	-386.492	0.403402	0	0	0	0
cov3_5	7.2789	-386.509	0.4037094	0	0	0	0
cov2_6	7.307	-386.523	0.4020851	0	0	0	-0.050446212
cov9_10	7.3087	-386.524	0.3960483	0	0	0	0
cov7_10	7.3144	-386.527	0.3966996	0	0	0	0

cov8_10	7.3478	-386.544	0.3965401	0	0	0	0
cov7_9	7.385	-386.563	0.3962597	0	0	0	0
cov8_9	7.4193	-386.58	0.3961012	0	0	0	0
cov3_6	7.6176	-386.679	0.4047946	0	0	0	0
cov2_4	7.7592	-386.75	0.4018404	0	0	0	-0.062321199
cov6_11	7.7864	-386.763	0.4016251	0	0	0	0
cov4_11	7.7958	-386.768	0.400157	0	0	0	0
cov6_7	7.8147	-386.777	0.4027691	0	0	0	0
cov2_11	7.8675	-386.804	0.4020784	0	0	0	-0.077045143
cov6_8	7.8719	-386.806	0.4025758	0	0	0	0
cov2_3	7.8862	-386.813	0.4057395	0	0	0	-0.10016111
cov2_7	8.0657	-386.903	0.4037447	0	0	0	-0.096551493
cov2_8	8.1189	-386.929	0.4035751	0	0	0	-0.09676472
cov3_4	8.5869	-387.163	0.4005188	0	0	0	0
cov4_7	8.5873	-387.164	0.401747	0	0	0	0
cov4_8	8.6084	-387.174	0.4015672	0	0	0	0
cov5_6_10	8.9034	-383.807	0.3943414	0	0	0	0
cov3_5_10	8.9466	-383.829	0.3970735	0	0	0	0
cov2_5_10	9.2049	-383.958	0.3945851	0	0	0	0.014634201
cov5_10_11	9.2149	-383.963	0.3950347	0	0	0	0
cov5_7_10	9.2247	-383.968	0.3952301	0	0	0	0
cov5_8_10	9.2487	-383.98	0.3950204	0	0	0	0
cov5_9_10	9.2498	-383.98	0.3949278	0	0	0	0
cov4_5_10	9.2504	-383.981	0.3947076	0	0	0	0
cov1_5_10	9.254	-383.982	0.3948811	0	-0.001887247	0	0
cov5_6_9	9.2731	-383.992	0.394212	0	0	0	0
cov3_5_9	9.304	-384.007	0.3968105	0	0	0	0
cov1_3_10	9.335	-384.023	0.4000668	0	-0.0926808	0	0
cov7_11	9.3561	-387.548	0.4032821	0	0	0	0
cov3_11	9.3859	-387.563	0.4053412	0	0	0	0
cov8_11	9.4882	-387.614	0.4031643	0	0	0	0
cov5_9_11	9.5395	-384.125	0.3948997	0	0	0	0
cov5_7_9	9.5435	-384.127	0.3951362	0	0	0	0
cov2_5_9	9.5483	-384.13	0.3945361	0	0	0	0.011085578
cov4_5_9	9.5691	-384.14	0.394533	0	0	0	0
cov5_8_9	9.5695	-384.14	0.3949287	0	0	0	0
cov1_5_9	9.5716	-384.141	0.394862	0	-0.007440362	0	0
cov1_3_9	9.5932	-384.152	0.3998409	0	-0.092221671	0	0
cov1_6_10	9.6926	-384.202	0.3968379	0	-0.15372275	0	0
cov1_4_10	9.7544	-384.233	0.3947056	0	-0.057744338	0	0
cov1_6_9	9.8996	-384.305	0.3967101	0	-0.15276453	0	0
cov1_4_9	9.9772	-384.344	0.3946245	0	-0.058025678	0	0
cov1_10_11	10.135	-384.423	0.3969686	0	-0.10333967	0	0
cov1_2_10	10.1575	-384.434	0.3964891	0	-0.10392003	0	0.01506716
cov1_7_10	10.1791	-384.445	0.396839	0	-0.090925473	0	0
cov1_9_10	10.1892	-384.45	0.3966608	0	-0.09180408	0	0
cov1_8_10	10.1959	-384.453	0.3966323	0	-0.091100836	0	0

cov3_4_10	10.2821	-384.496	0.394847	0	0	0
cov1_9_11	10.3276	-384.519	0.3968891	0	-0.10361687	0
cov1_2_9	10.3644	-384.538	0.3964081	0	-0.10237797	0.013663727
cov1_7_9	10.3767	-384.544	0.3967596	0	-0.090532834	0
cov4_10_11	10.3848	-384.548	0.3928729	0	0	0
cov1_8_9	10.395	-384.553	0.3965544	0	-0.090705415	0
cov4_6_10	10.4547	-384.583	0.3932696	0	0	0
cov4_8_10	10.4832	-384.597	0.3926816	0	0	0
cov2_4_10	10.4898	-384.6	0.3926916	0	0	0.005975255
cov4_9_10	10.4941	-384.602	0.3928791	0	0	0
cov4_7_10	10.4959	-384.603	0.3928929	0	0	0
cov3_4_9	10.5236	-384.617	0.3945136	0	0	0
cov4_9_11	10.615	-384.663	0.3927039	0	0	0
cov4_6_9	10.674	-384.692	0.3930825	0	0	0
cov4_8_9	10.7029	-384.707	0.3925019	0	0	0
cov2_4_9	10.7104	-384.711	0.3925581	0	0	0.004091722
cov4_7_9	10.7134	-384.712	0.3927107	0	0	0
cov2_3_10	11.0774	-384.894	0.4003472	0	0	-0.069524545
cov1_7_8	11.1634	-384.937	0.4014576	0	-0.11838709	0
cov2_3_9	11.2669	-384.989	0.3999444	0	0	-0.068988979
cov3_6_10	11.2929	-385.002	0.3996353	0	0	0
cov3_10_11	11.3627	-385.037	0.3988633	0	0	0
cov3_6_9	11.5213	-385.116	0.3993202	0	0	0
cov3_9_11	11.6347	-385.173	0.3985204	0	0	0
cov2_6_10	11.6709	-385.191	0.3966629	0	0	-0.043069304
cov2_10_11	11.7337	-385.222	0.3961747	0	0	-0.051617759
cov2_6_9	11.8303	-385.271	0.3964616	0	0	-0.043733337
cov1_3_6	11.8444	-385.278	0.4046716	0	-0.16525321	0
cov2_9_11	11.8972	-385.304	0.3959879	0	0	-0.052317773
cov2_7_10	11.9032	-385.307	0.3972667	0	0	-0.067489016
cov2_8_10	11.9296	-385.32	0.3970788	0	0	-0.067583545
cov2_9_10	11.933	-385.322	0.3968232	0	0	-0.067365317
cov1_3_8	11.9378	-385.324	0.4050528	0	-0.1258614	0
cov6_10_11	11.943	-385.327	0.3957691	0	0	0
cov1_3_7	12.0132	-385.362	0.4048664	0	-0.12472663	0
cov1_3_11	12.0329	-385.372	0.4045833	0	-0.13184961	0
cov2_7_9	12.0381	-385.374	0.3970001	0	0	-0.066975662
cov1_3_5	12.0419	-385.376	0.4046861	0	-0.13629822	0
cov1_2_3	12.0598	-385.385	0.4044385	0	-0.12936859	0.008065372
cov2_8_9	12.0656	-385.388	0.3968129	0	0	-0.067068266
cov1_3_4	12.0703	-385.391	0.4043404	0	-0.12099392	0
cov6_7_10	12.0816	-385.396	0.396688	0	0	0
cov6_8_10	12.1112	-385.411	0.3964827	0	0	0
cov1_4_6	12.114	-385.412	0.4013698	0	-0.1527636	0
cov1_6_11	12.1162	-385.414	0.4022824	0	-0.17472658	0
cov6_9_10	12.1194	-385.415	0.3962935	0	0	0
cov6_9_11	12.1321	-385.422	0.39562	0	0	0



cov1_6_7	12.1396	-385.425	0.402313	0	-0.1625934	0	0
cov1_6_8	12.1714	-385.441	0.4021321	0	-0.16326809	0	0
cov1_2_6	12.1772	-385.444	0.4018591	0	-0.17072778	0	0.008299127
cov1_5_6	12.1799	-385.445	0.4019056	0	-0.15703715	0	0
cov6_7_9	12.2523	-385.482	0.3965117	0	0	0	0
cov1_4_11	12.274	-385.492	0.4016056	0	-0.12307036	0	0
cov1_2_4	12.2804	-385.496	0.4008413	0	-0.12276618	0	0.026321623
cov6_8_9	12.2834	-385.497	0.3963076	0	0	0	0
cov1_7_11	12.313	-385.512	0.4022932	0	-0.13159876	0	0
cov1_4_7	12.3254	-385.518	0.4015805	0	-0.10826473	0	0
cov1_2_11	12.3264	-385.519	0.4020159	0	-0.14085362	0	0.008024289
cov1_5_11	12.3267	-385.519	0.4020961	0	-0.12698112	0	0
cov1_8_11	12.334	-385.522	0.4021275	0	-0.13331208	0	0
cov1_4_8	12.3566	-385.534	0.4013671	0	-0.10809368	0	0
cov1_4_5	12.3628	-385.537	0.4008754	0	-0.11287783	0	0
cov1_2_7	12.3639	-385.537	0.4020306	0	-0.12657711	0	0.009467684
cov1_5_7	12.3653	-385.538	0.4021234	0	-0.10995611	0	0
cov7_10_11	12.391	-385.551	0.3959518	0	0	0	0
cov1_2_8	12.3997	-385.555	0.4018367	0	-0.12697254	0	0.009587673
cov1_5_8	12.403	-385.557	0.4019237	0	-0.11069118	0	0
cov1_2_5	12.4091	-385.56	0.4015946	0	-0.12020872	0	0.010050031
cov8_10_11	12.47	-385.59	0.3957845	0	0	0	0
cov7_9_11	12.5766	-385.644	0.3957411	0	0	0	0
cov9_10_11	12.5826	-385.647	0.3951002	0	0	0	0
cov7_8	12.6276	-389.184	0.4069831	0	0	0	0
cov8_9_11	12.6558	-385.683	0.395576	0	0	0	0
cov5_7_8	12.9879	-385.849	0.4041183	0	0	0	0
cov7_8_10	12.9879	-385.849	0.3960176	0	0	0	0
cov7_8_9	13.0593	-385.885	0.3955703	0	0	0	0
cov3_8_10	13.1764	-385.944	0.3998959	0	0	0	0
cov3_7_10	13.3465	-386.029	0.3998015	0	0	0	0
cov3_8_9	13.3533	-386.032	0.3992701	0	0	0	0
cov6_7_8	13.3691	-386.04	0.4020557	0	0	0	0
cov3_7_9	13.512	-386.111	0.3991761	0	0	0	0
cov3_9_10	13.6138	-386.162	0.398887	0	0	0	0
cov2_5_6	13.6268	-386.169	0.4025268	0	0	0	-0.031140744
cov2_5_7	13.6603	-386.186	0.4037274	0	0	0	-0.04276525
cov5_6_7	13.7144	-386.213	0.4034302	0	0	0	0
cov2_5_8	13.7159	-386.213	0.4035462	0	0	0	-0.043022033
cov2_3_5	13.7412	-386.226	0.404063	0	0	0	-0.047534942
cov2_4_5	13.7458	-386.228	0.403461	0	0	0	-0.049808221
cov2_5_11	13.751	-386.231	0.4026676	0	0	0	-0.039871166
cov5_6_8	13.7725	-386.242	0.4032398	0	0	0	0
cov3_5_6	13.7892	-386.25	0.4038054	0	0	0	0
cov4_5_6	13.7999	-386.255	0.4022195	0	0	0	0
cov5_6_11	13.8167	-386.264	0.4024702	0	0	0	0
cov3_7	13.8249	-389.782	0.4068327	0	0	0	0

cov2_7_8	13.8666	-386.289	0.4031656	0	0	0	-0.096608243
cov5_7_11	13.9122	-386.312	0.4036622	0	0	0	0
cov3_8	13.9186	-389.829	0.4071713	0	0	0	0
cov2_3_6	13.993	-386.352	0.4049377	0	0	0	-0.052032495
cov5_8_11	13.9931	-386.352	0.4035282	0	0	0	0
cov3_5_7	14.0133	-386.362	0.4024957	0	0	0	0
cov2_4_6	14.061	-386.386	0.4011686	0	0	0	-0.025291453
cov4_5_11	14.0911	-386.401	0.4023325	0	0	0	0
cov3_4_6	14.0921	-386.402	0.4024128	0	0	0	0
cov4_6_11	14.0925	-386.402	0.4005486	0	0	0	0
cov4_6_7	14.1135	-386.412	0.401368	0	0	0	0
cov3_5_11	14.1144	-386.413	0.4036177	0	0	0	0
cov3_5_8	14.1344	-386.423	0.402808	0	0	0	0
cov4_6_8	14.1468	-386.429	0.4011579	0	0	0	0
cov4_5_7	14.1519	-386.431	0.4042951	0	0	0	0
cov4_5_8	14.2089	-386.46	0.4040635	0	0	0	0
cov2_6_7	14.2385	-386.475	0.4027134	0	0	0	-0.050025584
cov3_4_5	14.2697	-386.49	0.4030142	0	0	0	0
cov7_9_10	14.2907	-386.501	0.3964096	0	0	0	0
cov2_6_8	14.2909	-386.501	0.4025233	0	0	0	-0.050221739
cov2_6_11	14.3049	-386.508	0.4018186	0	0	0	-0.047475955
cov8_9_10	14.3239	-386.517	0.3962504	0	0	0	0
cov3_6_11	14.4092	-386.56	0.4045775	0	0	0	0
cov4_7_8	14.4352	-386.573	0.4012266	0	0	0	0
cov2_3_11	14.4642	-386.588	0.4050796	0	0	0	-0.075820156
cov2_4_11	14.4991	-386.605	0.4008541	0	0	0	-0.043399404
cov3_6_8	14.6044	-386.658	0.4051648	0	0	0	0
cov6_7_11	14.6308	-386.671	0.4023705	0	0	0	0
cov3_6_7	14.6422	-386.677	0.4049203	0	0	0	0
cov4_7_11	14.674	-386.692	0.400877	0	0	0	0
cov2_7_11	14.6819	-386.696	0.4028171	0	0	0	-0.072125516
cov6_8_11	14.7102	-386.711	0.4022029	0	0	0	0
cov2_3_4	14.7122	-386.712	0.4036373	0	0	0	-0.07152506
cov2_4_7	14.7315	-386.721	0.4023596	0	0	0	-0.063670678
cov4_8_11	14.7402	-386.726	0.4007096	0	0	0	0
cov2_8_11	14.7629	-386.737	0.4026775	0	0	0	-0.07318545
cov2_4_8	14.7676	-386.739	0.4021599	0	0	0	-0.063123317
cov3_4_11	14.7823	-386.747	0.4012871	0	0	0	0
cov2_3_8	14.8839	-386.797	0.4060828	0	0	0	-0.10158252
cov2_3_7	14.9127	-386.812	0.405843	0	0	0	-0.10057517
cov5_7_8_10	14.95	-383.316	0.39454	0	0	0	0
cov7_8_11	15.1336	-386.922	0.4027099	0	0	0	0
cov5_7_8_9	15.2716	-383.477	0.3944389	0	0	0	0
cov3_4_7	15.4888	-387.1	0.3997011	0	0	0	0
cov3_4_8	15.5624	-387.137	0.4000044	0	0	0	0
cov1_3_8_10	15.5634	-383.623	0.4008215	0	-0.096386766	0	0
cov1_5_6_10	15.6817	-383.682	0.3950808	0	-0.06562078	0	0

cov3_5_6_10	15.7581	-383.72	0.3961613	0	0	0	0
cov3_5_8_10	15.7626	-383.722	0.3975213	0	0	0	0
cov1_3_7_10	15.7812	-383.732	0.4007737	0	-0.09591853	0	0
cov3_5_7_10	15.8693	-383.776	0.3974157	0	0	0	0
cov1_3_6_10	15.8707	-383.776	0.4002872	0	-0.1545274	0	0
cov1_7_8_10	15.9029	-383.792	0.396149	0	-0.090319052	0	0
cov5_6_7_10	15.9032	-383.793	0.3947107	0	0	0	0
cov1_3_8_9	15.912	-383.797	0.4005317	0	-0.095624254	0	0
cov1_3_5_10	15.9199	-383.801	0.3978464	0	-0.025898226	0	0
cov5_6_8_10	15.9264	-383.804	0.3945138	0	0	0	0
cov4_5_6_10	15.9307	-383.806	0.3942413	0	0	0	0
cov2_5_6_10	15.9317	-383.807	0.3943129	0	0	0	0.002036778
cov5_6_9_10	15.9321	-383.807	0.3943651	0	0	0	0
cov5_6_10_11	15.9324	-383.807	0.3943288	0	0	0	0
cov2_3_5_10	15.9659	-383.824	0.3968561	0	0	0	0.006685642
cov3_5_9_10	15.9716	-383.827	0.3971483	0	0	0	0
cov3_4_5_10	15.9746	-383.828	0.3971742	0	0	0	0
cov3_5_10_11	15.9757	-383.829	0.397072	0	0	0	0
cov1_5_6_9	16.0142	-383.848	0.3950288	0	-0.070287027	0	0
cov1_7_8_9	16.1036	-383.893	0.3960616	0	-0.089886012	0	0
cov1_3_7_9	16.1156	-383.899	0.400483	0	-0.095168268	0	0
cov1_3_6_9	16.1369	-383.909	0.4000278	0	-0.15344428	0	0
cov3_5_6_9	16.1472	-383.915	0.3959245	0	0	0	0
cov3_5_8_9	16.1648	-383.923	0.3971957	0	0	0	0
cov2_4_5_10	16.1931	-383.937	0.3939139	0	0	0	0.022371583
cov2_5_7_10	16.2036	-383.943	0.3949658	0	0	0	0.014752804
cov1_4_6_10	16.2064	-383.944	0.3947523	0	-0.12204623	0	0
cov1_2_5_10	16.2123	-383.947	0.3947645	0	-0.017257041	0	0.020117562
cov2_5_10_11	16.2138	-383.948	0.3947685	0	0	0	0.011910612
cov4_7_8_10	16.2145	-383.948	0.3922287	0	0	0	0
cov5_7_10_11	16.2272	-383.955	0.3952978	0	0	0	0
cov2_5_8_10	16.228	-383.955	0.394758	0	0	0	0.014687182
cov2_5_9_10	16.2298	-383.956	0.394659	0	0	0	0.014582089
cov1_5_10_11	16.2299	-383.956	0.3953042	0	-0.013544792	0	0
cov1_3_4_10	16.2302	-383.956	0.3984858	0	-0.072855473	0	0
cov5_9_10_11	16.241	-383.961	0.3950945	0	0	0	0
cov4_5_10_11	16.2415	-383.962	0.3949178	0	0	0	0
cov5_8_10_11	16.2431	-383.962	0.3950974	0	0	0	0
cov5_7_9_10	16.2492	-383.966	0.3953086	0	0	0	0
cov1_3_5_9	16.2521	-383.967	0.397775	0	-0.031251124	0	0
cov4_5_7_10	16.2529	-383.967	0.3951475	0	0	0	0
cov1_5_7_10	16.2537	-383.968	0.3952448	0	-0.000986176	0	0
cov3_5_7_9	16.2574	-383.97	0.3970906	0	0	0	0
cov5_6_7_9	16.2689	-383.975	0.3946019	0	0	0	0
cov5_8_9_10	16.2732	-383.978	0.3950982	0	0	0	0
cov4_5_9_10	16.2753	-383.979	0.3947871	0	0	0	0
cov4_5_8_10	16.2754	-383.979	0.3948835	0	0	0	0

cov1_5_8_10	16.2776	-383.98	0.3950427	0	-0.001500116	0	0
cov1_5_9_10	16.2783	-383.98	0.3949701	0	-0.002512385	0	0
cov1_4_5_10	16.2788	-383.98	0.3947423	0	-0.002563195	0	0
cov5_6_8_9	16.2942	-383.988	0.3944067	0	0	0	0
cov3_7_11	16.2952	-387.503	0.4046544	0	0	0	0
cov4_5_6_9	16.2969	-383.989	0.3940404	0	0	0	0
cov2_5_6_9	16.3019	-383.992	0.3942259	0	0	0	-0.001048467
cov5_6_9_11	16.3022	-383.992	0.3942151	0	0	0	0
cov2_3_5_9	16.3306	-384.006	0.3967015	0	0	0	0.003362583
cov3_5_9_11	16.333	-384.007	0.3968059	0	0	0	0
cov3_4_5_9	16.3331	-384.007	0.396813	0	0	0	0
cov1_2_3_10	16.3342	-384.008	0.3999834	0	-0.10373508	0	0.013069512
cov1_2_4_10	16.3496	-384.016	0.3933329	0	-0.086591335	0	0.058861442
cov1_3_9_10	16.3525	-384.017	0.4002153	0	-0.093444318	0	0
cov1_3_10_11	16.3619	-384.022	0.4001118	0	-0.095011677	0	0
cov3_8_11	16.3673	-387.539	0.404923	0	0	0	0
cov4_7_8_9	16.4339	-384.058	0.3920398	0	0	0	0
cov1_4_6_9	16.4379	-384.06	0.394637	0	-0.12166026	0	0
cov1_3_4_9	16.4945	-384.088	0.3982726	0	-0.072717891	0	0
cov2_4_5_9	16.537	-384.109	0.3938589	0	0	0	0.018795285
cov1_5_9_11	16.5378	-384.11	0.3953087	0	-0.019959781	0	0
cov2_5_7_9	16.5432	-384.113	0.3949361	0	0	0	0.011229868
cov1_2_5_9	16.5446	-384.113	0.3947762	0	-0.021299033	0	0.017889072
cov5_7_9_11	16.5486	-384.115	0.3951879	0	0	0	0
cov2_5_9_11	16.5542	-384.118	0.39472	0	0	0	0.008193065
cov4_5_9_11	16.5629	-384.122	0.3947203	0	0	0	0
cov5_8_9_11	16.5668	-384.124	0.394988	0	0	0	0
cov1_5_7_9	16.5685	-384.125	0.3952388	0	-0.00647428	0	0
cov2_5_8_9	16.5696	-384.126	0.3947307	0	0	0	0.011154529
cov4_5_7_9	16.5698	-384.126	0.3949866	0	0	0	0
cov1_4_5_9	16.5916	-384.137	0.3946547	0	-0.008356768	0	0
cov4_5_8_9	16.5933	-384.138	0.3947241	0	0	0	0
cov1_5_8_9	16.5939	-384.138	0.395039	0	-0.007001604	0	0
cov1_2_3_9	16.5988	-384.14	0.3997751	0	-0.10202853	0	0.011566827
cov1_3_9_11	16.6172	-384.15	0.3999076	0	-0.095735415	0	0
cov1_2_4_9	16.6194	-384.151	0.393358	0	-0.085286434	0	0.055435332
cov1_6_10_11	16.6897	-384.186	0.397146	0	-0.16087927	0	0
cov1_2_6_10	16.6907	-384.186	0.3967991	0	-0.16445722	0	0.013293125
cov1_6_7_10	16.7111	-384.196	0.3970532	0	-0.15312787	0	0
cov1_6_9_10	16.7168	-384.199	0.3969221	0	-0.15403846	0	0
cov1_6_8_10	16.7215	-384.202	0.3968641	0	-0.1536627	0	0
cov1_4_10_11	16.731	-384.206	0.3951211	0	-0.069267804	0	0
cov1_4_9_10	16.779	-384.23	0.3947956	0	-0.058334405	0	0
cov1_4_8_10	16.7809	-384.231	0.3945768	0	-0.05749145	0	0
cov1_4_7_10	16.7813	-384.232	0.3948218	0	-0.057982923	0	0
cov1_6_9_11	16.8911	-384.286	0.39704	0	-0.16053559	0	0
cov1_2_6_9	16.9042	-384.293	0.3966838	0	-0.16232406	0	0.011829888

cov1_6_7_9	16.9164	-384.299	0.396943	0	-0.15212587	0	0
cov3_4_8_10	16.92	-384.301	0.3955808	0	0	0	0
cov1_6_8_9	16.9283	-384.305	0.3967544	0	-0.15266308	0	0
cov1_4_9_11	16.9462	-384.314	0.3950598	0	-0.070304687	0	0
cov1_4_7_9	17.0029	-384.342	0.3947663	0	-0.058313005	0	0
cov1_4_8_9	17.0047	-384.343	0.3945234	0	-0.057826467	0	0
cov3_4_10_11	17.0354	-384.359	0.3955549	0	0	0	0
cov3_4_7_10	17.0694	-384.376	0.3954627	0	0	0	0
cov1_2_10_11	17.1314	-384.407	0.3968878	0	-0.11425518	0	0.013699903
cov1_9_10_11	17.1571	-384.419	0.3970702	0	-0.10382324	0	0
cov1_7_10_11	17.1597	-384.421	0.3970846	0	-0.10225017	0	0
cov1_8_10_11	17.163	-384.422	0.3969083	0	-0.1038828	0	0
cov1_2_7_10	17.1695	-384.426	0.3967718	0	-0.10352011	0	0.014871798
cov1_2_9_10	17.1771	-384.429	0.3966091	0	-0.10484462	0	0.015343603
cov1_2_8_10	17.1855	-384.434	0.3965645	0	-0.10381816	0	0.01501709
cov1_7_9_10	17.2001	-384.441	0.3969519	0	-0.091561812	0	0
cov3_4_6_10	17.203	-384.442	0.3957815	0	0	0	0
cov1_8_9_10	17.2169	-384.449	0.3967447	0	-0.091737809	0	0
cov3_4_8_9	17.2179	-384.45	0.395175	0	0	0	0
cov2_3_4_10	17.3009	-384.491	0.3953482	0	0	0	-0.008182995
cov3_4_9_10	17.3088	-384.495	0.3947943	0	0	0	0
cov3_4_9_11	17.3098	-384.496	0.3952257	0	0	0	0
cov1_2_9_11	17.3306	-384.506	0.3968258	0	-0.11338722	0	0.012220979
cov1_7_9_11	17.3516	-384.517	0.3970127	0	-0.10246073	0	0
cov3_4_7_9	17.3545	-384.518	0.395057	0	0	0	0
cov1_8_9_11	17.3558	-384.519	0.3968366	0	-0.10408804	0	0
cov2_4_10_11	17.3591	-384.52	0.3921076	0	0	0	0.019126963
cov1_2_7_9	17.374	-384.528	0.3967086	0	-0.10196344	0	0.013464478
cov1_2_8_9	17.3917	-384.537	0.3965028	0	-0.10225361	0	0.013603559
cov4_7_10_11	17.4081	-384.545	0.393041	0	0	0	0
cov4_6_10_11	17.4127	-384.547	0.3929441	0	0	0	0
cov4_8_10_11	17.4132	-384.548	0.392815	0	0	0	0
cov4_9_10_11	17.4137	-384.548	0.3928591	0	0	0	0
cov2_3_8_10	17.4276	-384.555	0.4011946	0	0	0	-0.072275772
cov2_4_6_10	17.4498	-384.566	0.3928149	0	0	0	0.015237048
cov3_4_6_9	17.4522	-384.567	0.3954579	0	0	0	0
cov4_6_8_10	17.4744	-384.578	0.3930449	0	0	0	0
cov4_6_9_10	17.4833	-384.583	0.3932422	0	0	0	0
cov4_6_7_10	17.4838	-384.583	0.3932739	0	0	0	0
cov2_4_8_10	17.5031	-384.592	0.3923706	0	0	0	0.007210342
cov4_8_9_10	17.5102	-384.596	0.3926336	0	0	0	0
cov2_4_9_10	17.5164	-384.599	0.3926291	0	0	0	0.006173908
cov2_4_7_10	17.5181	-384.6	0.3926222	0	0	0	0.006248101
cov4_7_9_10	17.5229	-384.602	0.3928441	0	0	0	0
cov2_3_4_9	17.5386	-384.61	0.395106	0	0	0	-0.009592655
cov2_7_8_10	17.6019	-384.642	0.3965654	0	0	0	-0.067095937
cov2_4_9_11	17.6059	-384.644	0.3920681	0	0	0	0.015910246

cov6_7_8_10	17.6142	-384.648	0.3959563	0	0	0	0
cov2_3_7_10	17.6292	-384.656	0.4011152	0	0	0	-0.071879312
cov4_7_9_11	17.6373	-384.66	0.3928873	0	0	0	0
cov4_6_9_11	17.6422	-384.662	0.3927957	0	0	0	0
cov4_8_9_11	17.6437	-384.663	0.3926608	0	0	0	0
cov2_4_6_9	17.6797	-384.681	0.3927081	0	0	0	0.012619685
cov3_6_8_10	17.6871	-384.684	0.4003504	0	0	0	0
cov2_3_8_9	17.6889	-384.685	0.4007178	0	0	0	-0.071577112
cov4_6_8_9	17.6957	-384.689	0.3928803	0	0	0	0
cov2_3_10_11	17.7006	-384.691	0.3997071	0	0	0	-0.046678084
cov4_6_7_9	17.7029	-384.692	0.393112	0	0	0	0
cov2_4_8_9	17.7273	-384.705	0.3922774	0	0	0	0.005165532
cov2_7_8_9	17.7384	-384.71	0.3962915	0	0	0	-0.066562627
cov2_4_7_9	17.7394	-384.711	0.3925261	0	0	0	0.004216655
cov6_7_8_9	17.7893	-384.736	0.3957821	0	0	0	0
cov2_3_6_10	17.8374	-384.76	0.4001466	0	0	0	-0.04479262
cov1_3_7_8	17.8464	-384.764	0.4042263	0	-0.12448789	0	0
cov2_3_7_9	17.8782	-384.78	0.4006407	0	0	0	-0.071182213
cov3_6_7_10	17.8932	-384.788	0.4002747	0	0	0	0
cov3_6_10_11	17.9355	-384.809	0.3992636	0	0	0	0
cov2_3_9_11	17.9393	-384.811	0.3994019	0	0	0	-0.047773741
cov3_6_8_9	17.9902	-384.836	0.3999725	0	0	0	0
cov3_8_10_11	18.0096	-384.846	0.3993594	0	0	0	0
cov2_3_6_9	18.0504	-384.866	0.399822	0	0	0	-0.0454888
cov1_6_7_8	18.0546	-384.868	0.4016954	0	-0.15203068	0	0
cov7_8_10_11	18.0631	-384.872	0.3952595	0	0	0	0
cov2_3_9_10	18.1043	-384.893	0.40028	0	0	0	-0.069303989
cov1_7_8_11	18.1328	-384.907	0.4017136	0	-0.13083665	0	0
cov1_4_7_8	18.1433	-384.913	0.4010367	0	-0.10869119	0	0
cov3_7_10_11	18.1592	-384.92	0.3992874	0	0	0	0
cov1_2_7_8	18.178	-384.93	0.4014661	0	-0.12618923	0	0.009085604
cov1_5_7_8	18.1816	-384.932	0.4015452	0	-0.11098041	0	0
cov3_6_7_9	18.182	-384.932	0.3998965	0	0	0	0
cov3_6_9_11	18.199	-384.94	0.3989878	0	0	0	0
cov7_8_9_11	18.2512	-384.967	0.3950435	0	0	0	0
cov3_6_9_10	18.3217	-385.002	0.399657	0	0	0	0
cov3_8_9_11	18.3385	-385.01	0.3989606	0	0	0	0
cov3_9_10_11	18.3916	-385.037	0.3988483	0	0	0	0
cov3_7_9_11	18.4748	-385.078	0.3988891	0	0	0	0
cov2_6_10_11	18.6338	-385.158	0.3962631	0	0	0	-0.03868668
cov2_6_7_10	18.6661	-385.174	0.3970363	0	0	0	-0.04288751
cov2_7_10_11	18.6764	-385.179	0.3966713	0	0	0	-0.048894569
cov2_6_8_10	18.693	-385.187	0.396835	0	0	0	-0.04301298
cov2_6_9_10	18.6999	-385.191	0.3966528	0	0	0	-0.043073309
cov2_8_10_11	18.7257	-385.204	0.3965097	0	0	0	-0.049849103
cov1_3_6_8	18.7395	-385.211	0.405272	0	-0.16870438	0	0
cov2_9_10_11	18.7621	-385.222	0.3961456	0	0	0	-0.051575536

cov1_3_5_8	18.7724	-385.227	0.4062202	0	-0.17099573	0	0
cov2_6_9_11	18.8039	-385.243	0.3961079	0	0	0	-0.039734784
cov1_3_6_7	18.8122	-385.247	0.4050988	0	-0.16789328	0	0
cov2_6_7_9	18.823	-385.252	0.3968483	0	0	0	-0.043539418
cov2_7_9_11	18.84	-385.261	0.396489	0	0	0	-0.049605085
cov1_3_5_6	18.8448	-385.263	0.4049074	0	-0.17886269	0	0
cov1_3_6_11	18.8496	-385.266	0.4047796	0	-0.1714472	0	0
cov2_6_8_9	18.8512	-385.267	0.3966489	0	0	0	-0.043668066
cov1_2_3_6	18.8656	-385.274	0.4046661	0	-0.17069604	0	0.006714847
cov1_3_4_6	18.8706	-385.276	0.4044691	0	-0.16282937	0	0
cov6_7_10_11	18.8802	-385.281	0.3963117	0	0	0	0
cov2_8_9_11	18.8892	-385.286	0.3963259	0	0	0	-0.050555584
cov1_3_8_11	18.8913	-385.287	0.4053515	0	-0.13983386	0	0
cov1_3_5_7	18.9112	-385.297	0.405854	0	-0.16190756	0	0
cov2_7_9_10	18.9284	-385.305	0.3971832	0	0	0	-0.0671958
cov6_8_10_11	18.9331	-385.307	0.3961316	0	0	0	0
cov2_8_9_10	18.9547	-385.318	0.3969953	0	0	0	-0.067289162
cov1_2_3_8	18.9565	-385.319	0.4050379	0	-0.13243544	0	0.007700149
cov1_3_4_8	18.964	-385.323	0.4052716	0	-0.12867489	0	0
cov6_9_10_11	18.9719	-385.327	0.3957869	0	0	0	0
cov1_3_7_11	18.9797	-385.331	0.4051378	0	-0.13746027	0	0
cov1_2_3_7	19.0316	-385.357	0.4048515	0	-0.13141352	0	0.007831823
cov3_7_8_10	19.0329	-385.357	0.3990992	0	0	0	0
cov1_3_5_11	19.039	-385.36	0.4047811	0	-0.143387	0	0
cov1_3_4_7	19.0417	-385.362	0.40497	0	-0.12604612	0	0
cov1_3_4_5	19.0443	-385.363	0.4040998	0	-0.13596484	0	0
cov1_2_3_11	19.0532	-385.368	0.4045669	0	-0.13760164	0	0.007083855
cov1_3_4_11	19.0601	-385.371	0.4044265	0	-0.12985839	0	0
cov1_2_4_6	19.0606	-385.371	0.4011377	0	-0.16630867	0	0.025159826
cov1_2_3_5	19.0616	-385.372	0.404666	0	-0.14213819	0	0.007351242
cov6_7_9_11	19.0675	-385.375	0.3961695	0	0	0	0
cov1_4_6_11	19.0732	-385.378	0.4018156	0	-0.16349754	0	0
cov1_2_3_4	19.0772	-385.379	0.4039457	0	-0.12762905	0	0.013636956
cov1_4_6_7	19.1058	-385.394	0.4018145	0	-0.15243416	0	0
cov6_7_9_10	19.1107	-385.396	0.3966871	0	0	0	0
cov6_8_9_11	19.121	-385.401	0.395989	0	0	0	0
cov1_6_7_11	19.1221	-385.402	0.4025418	0	-0.17193535	0	0
cov1_4_5_6	19.1306	-385.406	0.4011018	0	-0.15945128	0	0
cov1_4_6_8	19.1323	-385.407	0.4016137	0	-0.15266963	0	0
cov1_5_6_11	19.1356	-385.409	0.4023493	0	-0.16766651	0	0
cov1_2_6_11	19.1371	-385.409	0.4022794	0	-0.1800502	0	0.006874736
cov6_8_9_10	19.1403	-385.411	0.3964815	0	0	0	0
cov1_6_8_11	19.1417	-385.412	0.4023872	0	-0.17368828	0	0
cov1_5_6_7	19.156	-385.419	0.4024031	0	-0.15445592	0	0
cov1_2_6_7	19.1573	-385.42	0.402324	0	-0.16913529	0	0.008050164
cov1_2_6_8	19.1888	-385.435	0.4021431	0	-0.1698912	0	0.008151179
cov1_5_6_8	19.1891	-385.435	0.4022169	0	-0.15557071	0	0

cov1_2_5_6	19.1961	-385.439	0.4019244	0	-0.16370091	0	0.008574676
cov3_7_8_9	19.1991	-385.44	0.398466	0	0	0	0
cov1_2_4_11	19.2293	-385.456	0.4013349	0	-0.13528042	0	0.023894891
cov1_2_4_5	19.2441	-385.463	0.4000501	0	-0.14531375	0	0.03785651
cov1_2_4_7	19.274	-385.478	0.4012902	0	-0.1223101	0	0.024923294
cov1_4_7_11	19.2863	-385.484	0.4018528	0	-0.12142391	0	0
cov1_4_5_11	19.2963	-385.489	0.4014074	0	-0.12756121	0	0
cov1_2_4_8	19.3006	-385.491	0.4010701	0	-0.12253848	0	0.025628839
cov1_4_8_11	19.302	-385.492	0.4016688	0	-0.12266288	0	0
cov1_5_7_11	19.3288	-385.505	0.4023907	0	-0.12328728	0	0
cov1_2_7_11	19.3307	-385.506	0.402289	0	-0.13814526	0	0.008087557
cov1_2_5_11	19.3437	-385.513	0.4020937	0	-0.13344856	0	0.008315953
cov1_5_8_11	19.3513	-385.517	0.4022193	0	-0.1254794	0	0
cov1_2_8_11	19.3518	-385.517	0.402122	0	-0.13982811	0	0.00804952
cov1_4_5_7	19.3519	-385.517	0.4014363	0	-0.11109976	0	0
cov1_2_5_7	19.3776	-385.53	0.4021354	0	-0.1180455	0	0.009791619
cov1_4_5_8	19.381	-385.531	0.4011713	0	-0.1119462	0	0
cov1_2_5_8	19.415	-385.548	0.401936	0	-0.11886631	0	0.00989556
cov7_9_10_11	19.4185	-385.55	0.3959036	0	0	0	0
cov5_6_7_8	19.435	-385.558	0.4026927	0	0	0	0
cov2_5_7_8	19.4947	-385.588	0.4031592	0	0	0	-0.043484344
cov8_9_10_11	19.4972	-385.589	0.3957341	0	0	0	0
cov3_7_8	19.6352	-389.173	0.4062189	0	0	0	0
cov5_7_8_11	19.7456	-385.714	0.4030836	0	0	0	0
cov4_6_7_8	19.7678	-385.725	0.400774	0	0	0	0
cov3_5_7_8	19.8528	-385.767	0.4018642	0	0	0	0
cov2_6_7_8	19.8866	-385.784	0.4020142	0	0	0	-0.046020257
cov7_8_9_10	19.9627	-385.822	0.3957225	0	0	0	0
cov4_5_7_8	20.0045	-385.843	0.4037631	0	0	0	0
cov3_8_9_10	20.1585	-385.92	0.3996143	0	0	0	0
cov3_6_7_8	20.2017	-385.942	0.4041799	0	0	0	0
cov6_7_8_11	20.2249	-385.953	0.4017035	0	0	0	0
cov3_7_9_10	20.3285	-386.005	0.3995175	0	0	0	0
cov2_7_8_11	20.4706	-386.076	0.4022253	0	0	0	-0.071841923
cov4_7_8_11	20.4911	-386.086	0.4003338	0	0	0	0
cov2_5_6_7	20.544	-386.113	0.4032328	0	0	0	-0.030487619
cov2_4_7_8	20.5516	-386.117	0.401827	0	0	0	-0.064627989
cov2_3_5_6	20.5675	-386.125	0.4040632	0	0	0	-0.034689861
cov2_5_6_8	20.599	-386.14	0.4030428	0	0	0	-0.030719641
cov2_4_5_7	20.6219	-386.152	0.4045024	0	0	0	-0.05134271
cov2_5_7_11	20.6242	-386.153	0.4033187	0	0	0	-0.036557988
cov2_4_5_6	20.6506	-386.166	0.402735	0	0	0	-0.034351583
cov2_5_6_11	20.6536	-386.168	0.402445	0	0	0	-0.030494406
cov2_3_5_7	20.6837	-386.183	0.4033121	0	0	0	-0.040454963
cov2_4_5_8	20.6874	-386.185	0.4042589	0	0	0	-0.05094017
cov2_5_8_11	20.6909	-386.186	0.4031704	0	0	0	-0.037366064
cov5_6_7_11	20.6924	-386.187	0.4031543	0	0	0	0



cov2_3_4_5	20.6963	-386.189	0.4053336	0	0	0	-0.059143488
cov2_3_5_11	20.7099	-386.196	0.4039712	0	0	0	-0.043181691
cov2_3_7_8	20.7273	-386.205	0.4051863	0	0	0	-0.10047415
cov4_5_6_7	20.7291	-386.205	0.403058	0	0	0	0
cov3_5_6_7	20.7402	-386.211	0.4031247	0	0	0	0
cov2_3_5_8	20.7445	-386.213	0.4036665	0	0	0	-0.043693734
cov2_4_5_11	20.7595	-386.221	0.4031115	0	0	0	-0.045699791
cov5_6_8_11	20.7607	-386.221	0.4029949	0	0	0	0
cov3_5_6_11	20.7751	-386.228	0.4037601	0	0	0	0
cov4_5_6_8	20.7819	-386.232	0.4028057	0	0	0	0
cov3_4_5_6	20.7943	-386.238	0.4032709	0	0	0	0
cov3_5_6_8	20.7994	-386.241	0.4034814	0	0	0	0
cov4_5_6_11	20.8077	-386.245	0.4019505	0	0	0	0
cov3_5_7_11	20.8921	-386.287	0.4025334	0	0	0	0
cov4_5_7_11	20.9273	-386.305	0.4032791	0	0	0	0
cov2_3_6_11	20.9354	-386.309	0.4047501	0	0	0	-0.047133019
cov2_3_4_6	20.9402	-386.311	0.4036583	0	0	0	-0.03614292
cov2_3_6_8	20.9567	-386.319	0.4053982	0	0	0	-0.053047584
cov4_5_8_11	21.0032	-386.342	0.4030835	0	0	0	0
cov3_5_8_11	21.0035	-386.343	0.4028361	0	0	0	0
cov3_4_6_11	21.006	-386.344	0.4024541	0	0	0	0
cov2_3_6_7	21.0071	-386.344	0.405168	0	0	0	-0.052569499
cov3_4_5_7	21.0271	-386.354	0.4020814	0	0	0	0
cov2_4_6_7	21.0328	-386.357	0.4017072	0	0	0	-0.026630592
cov4_6_7_11	21.0348	-386.358	0.4011068	0	0	0	0
cov2_4_6_11	21.0521	-386.367	0.400856	0	0	0	-0.021682542
cov2_4_6_8	21.0705	-386.376	0.4014896	0	0	0	-0.026097439
cov4_6_8_11	21.0848	-386.383	0.4009192	0	0	0	0
cov3_4_5_11	21.1074	-386.395	0.4029418	0	0	0	0
cov3_4_6_8	21.1139	-386.398	0.4026222	0	0	0	0
cov3_4_6_7	21.1186	-386.4	0.4022839	0	0	0	0
cov3_4_5_8	21.1436	-386.413	0.4023355	0	0	0	0
cov2_6_7_11	21.1979	-386.44	0.4024492	0	0	0	-0.045335153
cov2_6_8_11	21.2632	-386.473	0.4022863	0	0	0	-0.046005719
cov3_4_7_8	21.3251	-386.503	0.399086	0	0	0	0
cov2_3_4_11	21.3586	-386.52	0.4034089	0	0	0	-0.054052041
cov2_4_7_11	21.391	-386.536	0.4015481	0	0	0	-0.042505239
cov3_6_8_11	21.4204	-386.551	0.4048216	0	0	0	0
cov3_6_7_11	21.4382	-386.56	0.4045683	0	0	0	0
cov2_4_8_11	21.4539	-386.568	0.4013756	0	0	0	-0.042730377
cov2_3_8_11	21.484	-386.583	0.4052682	0	0	0	-0.077026006
cov2_3_7_11	21.4923	-386.587	0.4050158	0	0	0	-0.075422926
cov1_3_7_8_10	21.5229	-383.088	0.4000584	0	-0.095280898	0	0
cov3_5_7_8_10	21.6001	-383.126	0.39671	0	0	0	0
cov3_4_7_11	21.7004	-386.691	0.4005866	0	0	0	0
cov5_6_7_8_10	21.7276	-383.19	0.394121	0	0	0	0
cov2_3_4_8	21.7368	-386.709	0.4038555	0	0	0	-0.073174805

cov2_3_4_7	21.7373	-386.71	0.4034257	0	0	0	-0.06995674
cov3_4_8_11	21.7685	-386.725	0.4008661	0	0	0	0
cov1_3_7_8_9	21.8604	-383.257	0.3997582	0	-0.094489368	0	0
cov2_5_7_8_10	21.9293	-383.291	0.3942785	0	0	0	0.014677843
cov5_7_8_10_11	21.9559	-383.304	0.394603	0	0	0	0
cov5_7_8_9_10	21.9751	-383.314	0.3946133	0	0	0	0
cov4_5_7_8_10	21.9784	-383.316	0.3944665	0	0	0	0
cov1_5_7_8_10	21.979	-383.316	0.3945469	0	-0.000515315	0	0
cov3_5_7_8_9	21.9907	-383.322	0.3963772	0	0	0	0
cov1_3_6_8_10	22.0423	-383.347	0.401089	0	-0.16188073	0	0
cov3_7_8_11	22.0817	-386.882	0.404014	0	0	0	0
cov5_6_7_8_9	22.0886	-383.371	0.3940115	0	0	0	0
cov1_3_6_7_10	22.2526	-383.453	0.4010546	0	-0.16194962	0	0
cov2_5_7_8_9	22.2717	-383.462	0.3942415	0	0	0	0.011149623
cov5_7_8_9_11	22.2799	-383.466	0.3944869	0	0	0	0
cov1_5_7_8_9	22.2973	-383.475	0.3945339	0	-0.005974961	0	0
cov4_5_7_8_9	22.2982	-383.475	0.3942979	0	0	0	0
cov1_3_5_6_10	22.3805	-383.517	0.3978864	0	-0.086818981	0	0
cov1_3_6_8_9	22.4042	-383.528	0.4007613	0	-0.16017969	0	0
cov1_4_7_8_10	22.5095	-383.581	0.394142	0	-0.057562328	0	0
cov1_3_5_8_10	22.5202	-383.586	0.3996922	0	-0.065039649	0	0
cov1_3_8_10_11	22.5464	-383.6	0.4010946	0	-0.10739088	0	0
cov1_3_4_8_10	22.5475	-383.6	0.3998871	0	-0.084552119	0	0
cov1_2_3_8_10	22.5631	-383.608	0.4007386	0	-0.10736754	0	0.012983109
cov1_3_8_9_10	22.5768	-383.615	0.4009913	0	-0.097286404	0	0
cov1_6_7_8_10	22.5883	-383.621	0.3963599	0	-0.14233716	0	0
cov1_3_6_7_9	22.6013	-383.627	0.4007252	0	-0.16020363	0	0
cov1_2_5_6_10	22.6515	-383.652	0.3949955	0	-0.079112678	0	0.01842452
cov3_5_6_8_10	22.6678	-383.66	0.3967123	0	0	0	0
cov1_5_6_10_11	22.6877	-383.67	0.3953701	0	-0.072044215	0	0
cov1_5_6_7_10	22.6918	-383.672	0.3953667	0	-0.064405446	0	0
cov1_3_5_7_10	22.6958	-383.674	0.3993266	0	-0.056337032	0	0
cov1_4_5_6_10	22.7018	-383.677	0.3948615	0	-0.066904771	0	0
cov1_5_6_8_10	22.7085	-383.681	0.3951854	0	-0.065235702	0	0
cov1_5_6_9_10	22.7087	-383.681	0.3951379	0	-0.065919792	0	0
cov1_3_4_6_10	22.7213	-383.687	0.398404	0	-0.13447682	0	0
cov1_3_5_6_9	22.7277	-383.69	0.3977779	0	-0.091230239	0	0
cov1_4_7_8_9	22.734	-383.693	0.3940792	0	-0.057855755	0	0
cov3_5_6_7_10	22.744	-383.698	0.3965062	0	0	0	0
cov1_3_4_7_10	22.7552	-383.704	0.3997313	0	-0.082819856	0	0
cov3_5_6_10_11	22.7685	-383.711	0.3961466	0	0	0	0
cov1_3_7_10_11	22.7732	-383.713	0.4010186	0	-0.10579969	0	0
cov1_2_3_7_10	22.7807	-383.717	0.4006796	0	-0.10691318	0	0.013000151
cov2_3_5_6_10	22.7858	-383.719	0.396224	0	0	0	-0.002599764
cov3_4_5_6_10	22.7864	-383.72	0.396247	0	0	0	0
cov3_5_6_9_10	22.7865	-383.72	0.3961964	0	0	0	0
cov3_5_8_9_10	22.7881	-383.72	0.3975893	0	0	0	0

cov2_3_5_8_10	22.7913	-383.722	0.3975708	0	0	0	-0.001351831
cov3_4_5_8_10	22.7915	-383.722	0.3974766	0	0	0	0
cov3_5_8_10_11	22.7916	-383.722	0.3975271	0	0	0	0
cov3_4_7_8_10	22.7941	-383.723	0.3947803	0	0	0	0
cov1_3_7_9_10	22.7951	-383.724	0.4009417	0	-0.096804166	0	0
cov1_6_7_8_9	22.7952	-383.724	0.3962464	0	-0.14133127	0	0
cov1_2_4_6_10	22.7959	-383.724	0.3933821	0	-0.15136015	0	0.059231666
cov1_2_3_6_10	22.8774	-383.765	0.4002272	0	-0.16367555	0	0.011331229
cov1_3_8_9_11	22.887	-383.77	0.4008191	0	-0.10751935	0	0
cov1_7_8_10_11	22.8897	-383.771	0.3963786	0	-0.10087338	0	0
cov1_3_5_8_9	22.8899	-383.771	0.3995629	0	-0.069143281	0	0
cov1_3_6_9_10	22.8922	-383.772	0.4004045	0	-0.15492365	0	0
cov1_2_7_8_10	22.8946	-383.774	0.3960853	0	-0.10267038	0	0.014583602
cov3_5_7_9_10	22.8946	-383.774	0.3974862	0	0	0	0
cov1_2_3_5_10	22.8958	-383.774	0.3976688	0	-0.038709146	0	0.017483116
cov1_3_4_8_9	22.8961	-383.774	0.3995829	0	-0.083719622	0	0
cov2_3_5_7_10	22.8981	-383.775	0.3973754	0	0	0	0.001095849
cov3_4_5_7_10	22.8983	-383.776	0.3974121	0	0	0	0
cov3_5_7_10_11	22.8983	-383.776	0.3974194	0	0	0	0
cov1_3_6_10_11	22.8992	-383.776	0.4002621	0	-0.15352132	0	0
cov1_2_3_8_9	22.9189	-383.786	0.4004579	0	-0.10514547	0	0.011233532
cov1_7_8_9_10	22.9247	-383.789	0.3962558	0	-0.090919299	0	0
cov5_6_7_10_11	22.9294	-383.791	0.3946667	0	0	0	0
cov2_5_6_7_10	22.9313	-383.792	0.3946812	0	0	0	0.002173425
cov5_6_7_9_10	22.9318	-383.792	0.3947362	0	0	0	0
cov4_5_6_7_10	22.9322	-383.792	0.394684	0	0	0	0
cov1_3_5_10_11	22.9399	-383.796	0.3979186	0	-0.029937342	0	0
cov1_3_5_9_10	22.9414	-383.797	0.3979744	0	-0.026785613	0	0
cov1_3_4_5_10	22.9484	-383.801	0.3979148	0	-0.025791203	0	0
cov2_5_6_8_10	22.9546	-383.804	0.3944852	0	0	0	0.002086741
cov5_6_8_10_11	22.9546	-383.804	0.3944901	0	0	0	0
cov4_5_6_8_10	22.9547	-383.804	0.3944343	0	0	0	0
cov5_6_8_9_10	22.955	-383.804	0.3945381	0	0	0	0
cov2_4_5_6_10	22.9558	-383.804	0.3940731	0	0	0	0.005212791
cov4_5_6_9_10	22.9594	-383.806	0.3942656	0	0	0	0
cov4_5_6_10_11	22.9596	-383.806	0.3942237	0	0	0	0
cov2_5_6_9_10	22.9603	-383.807	0.3943377	0	0	0	0.00205812
cov2_5_6_10_11	22.9605	-383.807	0.3942915	0	0	0	0.002235039
cov5_6_9_10_11	22.9611	-383.807	0.3943527	0	0	0	0
cov2_3_5_9_10	22.991	-383.822	0.3969309	0	0	0	0.006636301
cov1_3_4_6_9	22.9941	-383.823	0.3981521	0	-0.13365279	0	0
cov2_3_4_5_10	22.9943	-383.824	0.3967143	0	0	0	0.007956514
cov2_3_5_10_11	22.9947	-383.824	0.3968564	0	0	0	0.006975514
cov1_2_5_6_9	22.9979	-383.825	0.3949704	0	-0.082227118	0	0.016111709
cov3_4_5_9_10	22.9994	-383.826	0.3972576	0	0	0	0
cov3_5_9_10_11	23.0007	-383.827	0.3971489	0	0	0	0
cov3_4_5_10_11	23.0037	-383.828	0.3971727	0	0	0	0

cov1_5_6_9_11	23.0131	-383.833	0.3953514	0	-0.077561993	0	0
cov1_5_6_7_9	23.0219	-383.837	0.3953289	0	-0.068982274	0	0
cov1_4_5_6_9	23.0275	-383.84	0.3947329	0	-0.071909671	0	0
cov1_2_3_4_10	23.0338	-383.843	0.3967526	0	-0.091748132	0	0.044104015
cov1_5_6_8_9	23.0402	-383.846	0.3951473	0	-0.069831083	0	0
cov1_3_5_7_9	23.0565	-383.855	0.3991891	0	-0.060308686	0	0
cov1_2_4_6_9	23.0761	-383.864	0.3933758	0	-0.14925454	0	0.055709268
cov3_4_7_8_9	23.0809	-383.867	0.3943671	0	0	0	0
cov1_7_8_9_11	23.0851	-383.869	0.3962991	0	-0.10105708	0	0
cov3_5_6_8_9	23.0856	-383.869	0.396406	0	0	0	0
cov1_3_4_7_9	23.0896	-383.871	0.3994239	0	-0.08198326	0	0
cov1_3_7_9_11	23.1006	-383.877	0.4007425	0	-0.10591514	0	0
cov1_2_7_8_9	23.1023	-383.878	0.3960138	0	-0.1010531	0	0.013153924
cov4_7_8_10_11	23.1208	-383.887	0.3923795	0	0	0	0
cov1_2_3_7_9	23.1223	-383.888	0.4004097	0	-0.10474961	0	0.01130487
cov1_2_4_5_10	23.1483	-383.9	0.3938131	0	-0.035998383	0	0.03925917
cov1_2_3_6_9	23.1492	-383.901	0.3999828	0	-0.16133986	0	0.009772787
cov3_5_6_7_9	23.1496	-383.901	0.3961963	0	0	0	0
cov3_5_6_9_11	23.1626	-383.908	0.3959195	0	0	0	0
cov1_3_6_9_11	23.1659	-383.909	0.4000288	0	-0.15348529	0	0
cov4_6_7_8_10	23.1675	-383.91	0.3927359	0	0	0	0
cov2_3_5_6_9	23.1701	-383.911	0.3960553	0	0	0	-0.005546485
cov3_4_5_6_9	23.1762	-383.914	0.3959021	0	0	0	0
cov2_3_5_8_9	23.1904	-383.922	0.397345	0	0	0	-0.004089041
cov3_4_5_8_9	23.1918	-383.922	0.397066	0	0	0	0
cov3_5_8_9_11	23.1938	-383.923	0.3971976	0	0	0	0
cov1_2_5_10_11	23.1971	-383.925	0.3951562	0	-0.026969867	0	0.018866731
cov2_4_5_7_10	23.2046	-383.929	0.3943071	0	0	0	0.021306499
cov1_4_6_10_11	23.2127	-383.933	0.3950401	0	-0.12835022	0	0
cov2_4_5_10_11	23.2133	-383.933	0.3941204	0	0	0	0.019566063
cov1_2_5_7_10	23.2136	-383.933	0.3951197	0	-0.016213664	0	0.019899736
cov2_4_5_9_10	23.2192	-383.936	0.3939855	0	0	0	0.022224851
cov2_4_5_8_10	23.2211	-383.937	0.394015	0	0	0	0.022102953
cov2_5_7_10_11	23.2221	-383.937	0.3950448	0	0	0	0.012708999
cov1_4_6_8_10	23.228	-383.94	0.3945359	0	-0.12195466	0	0
cov2_5_7_9_10	23.2284	-383.941	0.3950416	0	0	0	0.01470047
cov1_4_6_9_10	23.2336	-383.943	0.3948092	0	-0.12231138	0	0
cov1_2_5_9_10	23.2352	-383.944	0.394864	0	-0.01813367	0	0.020332204
cov1_4_6_7_10	23.2355	-383.944	0.3947619	0	-0.12204722	0	0
cov1_2_5_8_10	23.2365	-383.945	0.3949167	0	-0.016825098	0	0.020028159
cov2_4_7_8_10	23.2372	-383.945	0.3919675	0	0	0	0.006054082
cov2_5_9_10_11	23.2398	-383.946	0.3948288	0	0	0	0.01193112
cov1_2_3_5_9	23.2404	-383.947	0.3976347	0	-0.042612086	0	0.015292506
cov2_5_8_10_11	23.2409	-383.947	0.3948557	0	0	0	0.012154926
cov4_7_8_9_10	23.2411	-383.947	0.3921752	0	0	0	0
cov1_5_7_10_11	23.2468	-383.95	0.3954873	0	-0.011284132	0	0
cov1_3_4_9_10	23.2509	-383.952	0.3986286	0	-0.073726078	0	0

cov2_5_8_9_10	23.2529	-383.953	0.3948331	0	0	0	0.014634989
cov5_7_9_10_11	23.253	-383.953	0.395363	0	0	0	0
cov1_5_9_10_11	23.255	-383.954	0.3953755	0	-0.014025381	0	0
cov1_3_4_10_11	23.2551	-383.954	0.3985352	0	-0.075912591	0	0
cov1_4_5_10_11	23.2554	-383.954	0.3951742	0	-0.014090642	0	0
cov4_5_7_10_11	23.2556	-383.954	0.3952252	0	0	0	0
cov1_5_8_10_11	23.2588	-383.956	0.3953205	0	-0.01335058	0	0
cov1_3_5_9_11	23.2671	-383.96	0.3978584	0	-0.03620804	0	0
cov4_5_9_10_11	23.2678	-383.96	0.3949802	0	0	0	0
cov5_8_9_10_11	23.2691	-383.961	0.3951603	0	0	0	0
cov4_5_8_10_11	23.2701	-383.961	0.3949724	0	0	0	0
cov4_5_7_9_10	23.2776	-383.965	0.3952318	0	0	0	0
cov1_5_7_9_10	23.2781	-383.965	0.3953342	0	-0.001609247	0	0
cov1_3_4_5_9	23.2811	-383.967	0.3977476	0	-0.031286348	0	0
cov1_4_5_7_10	23.2818	-383.967	0.3951633	0	-0.001347203	0	0
cov3_4_5_7_9	23.2856	-383.969	0.3970028	0	0	0	0
cov2_3_5_7_9	23.286	-383.969	0.3971492	0	0	0	-0.00159539
cov3_5_7_9_11	23.2865	-383.97	0.3970901	0	0	0	0
cov5_6_7_9_11	23.296	-383.974	0.3945681	0	0	0	0
cov4_5_6_7_9	23.2966	-383.975	0.3944951	0	0	0	0
cov2_5_6_7_9	23.2978	-383.975	0.3946121	0	0	0	-0.000885171
cov4_5_8_9_10	23.3001	-383.976	0.3949661	0	0	0	0
cov1_5_8_9_10	23.3019	-383.977	0.3951315	0	-0.002124912	0	0
cov1_4_5_9_10	23.3034	-383.978	0.394833	0	-0.003153742	0	0
cov1_4_5_8_10	23.304	-383.978	0.394908	0	-0.002097206	0	0
cov4_5_6_8_9	23.3201	-383.986	0.3942463	0	0	0	0
cov5_6_8_9_11	23.3228	-383.988	0.3943908	0	0	0	0
cov2_5_6_8_9	23.3231	-383.988	0.3944195	0	0	0	-0.000983922
cov2_4_5_6_9	23.3251	-383.989	0.3939632	0	0	0	0.002432185
cov4_5_6_9_11	23.326	-383.989	0.3940378	0	0	0	0
cov1_2_3_4_9	23.3274	-383.99	0.3966693	0	-0.090316313	0	0.041070115
cov2_5_6_9_11	23.331	-383.992	0.3942338	0	0	0	-0.001118047
cov2_3_7_8_10	23.3443	-383.998	0.4003879	0	0	0	-0.071456285
cov1_2_3_9_10	23.3503	-384.002	0.4001362	0	-0.10481407	0	0.013387246
cov4_7_8_9_11	23.3524	-384.003	0.3922199	0	0	0	0
cov1_2_4_10_11	23.354	-384.003	0.3936506	0	-0.093772706	0	0.057300853
cov2_3_4_5_9	23.3586	-384.006	0.396526	0	0	0	0.004928886
cov2_3_5_9_11	23.3597	-384.006	0.3967018	0	0	0	0.00338315
cov1_2_3_10_11	23.3621	-384.007	0.4000174	0	-0.10529278	0	0.012880093
cov3_4_5_9_11	23.3621	-384.007	0.3968081	0	0	0	0
cov1_2_4_8_10	23.3635	-384.008	0.3929975	0	-0.086565499	0	0.060056375
cov1_2_4_9_10	23.372	-384.012	0.3934367	0	-0.087390979	0	0.059023591
cov1_2_4_7_10	23.378	-384.015	0.3932635	0	-0.086589201	0	0.059114402
cov1_3_9_10_11	23.3797	-384.016	0.4002555	0	-0.095601314	0	0
cov4_6_7_8_9	23.3892	-384.021	0.3925775	0	0	0	0
cov3_6_7_8_10	23.4338	-384.043	0.3995332	0	0	0	0
cov1_4_6_9_11	23.4386	-384.046	0.3949531	0	-0.12867905	0	0

cov2_4_7_8_9	23.4601	-384.056	0.3918638	0	0	0	0.004030159
cov1_4_6_8_9	23.4614	-384.057	0.3944495	0	-0.12157609	0	0
cov1_4_6_7_9	23.4668	-384.06	0.3946747	0	-0.12166508	0	0
cov1_2_4_5_9	23.471	-384.062	0.3937778	0	-0.040957955	0	0.0380546
cov1_3_4_9_11	23.5156	-384.084	0.3983371	0	-0.076895101	0	0
cov1_2_5_9_11	23.5193	-384.086	0.3951957	0	-0.031922374	0	0.016528307
cov1_2_5_7_9	23.543	-384.098	0.3951474	0	-0.020186	0	0.01767051
cov2_4_5_7_9	23.5455	-384.099	0.3942833	0	0	0	0.017653207
cov1_5_7_9_11	23.5543	-384.104	0.3954947	0	-0.01765928	0	0
cov2_4_5_9_11	23.5549	-384.104	0.394081	0	0	0	0.01568565
cov1_4_5_9_11	23.559	-384.106	0.3951111	0	-0.020700149	0	0
cov2_5_7_9_11	23.5602	-384.106	0.3950117	0	0	0	0.009048396
cov2_4_5_8_9	23.5641	-384.108	0.3939926	0	0	0	0.018443261
cov1_5_8_9_11	23.5667	-384.11	0.3953287	0	-0.019722286	0	0
cov1_2_5_8_9	23.5676	-384.11	0.3949453	0	-0.020806619	0	0.017793389
cov4_5_7_9_11	23.5752	-384.114	0.395047	0	0	0	0
cov2_5_8_9_11	23.5806	-384.117	0.3948231	0	0	0	0.008486058
cov4_5_8_9_11	23.5912	-384.122	0.3947939	0	0	0	0
cov1_4_5_7_9	23.5941	-384.123	0.3950779	0	-0.007130281	0	0
cov2_3_7_8_9	23.595	-384.124	0.3999033	0	0	0	-0.070737597
cov1_2_4_9_11	23.6165	-384.135	0.3937116	0	-0.093445637	0	0.053704035
cov1_4_5_8_9	23.6165	-384.135	0.3948243	0	-0.007878586	0	0
cov1_2_3_9_11	23.6243	-384.139	0.3998327	0	-0.10474399	0	0.011242585
cov1_2_4_8_9	23.6372	-384.145	0.3930693	0	-0.085247041	0	0.056444753
cov1_2_4_7_9	23.6484	-384.151	0.3933333	0	-0.085282945	0	0.055522788
cov1_2_6_10_11	23.6922	-384.172	0.3970865	0	-0.17037904	0	0.012364115
cov3_4_8_10_11	23.6963	-384.175	0.3961701	0	0	0	0
cov1_2_6_7_10	23.7099	-384.181	0.397008	0	-0.16377036	0	0.013156244
cov1_2_6_9_10	23.7139	-384.183	0.3968905	0	-0.16498379	0	0.013515704
cov1_6_9_10_11	23.7145	-384.184	0.3972231	0	-0.16111697	0	0
cov1_6_7_10_11	23.7158	-384.184	0.3972375	0	-0.15990834	0	0
cov1_6_8_10_11	23.7173	-384.185	0.3970779	0	-0.16154117	0	0
cov1_2_6_8_10	23.7197	-384.186	0.3968181	0	-0.16440228	0	0.013281028
cov3_6_7_8_9	23.7277	-384.19	0.3991554	0	0	0	0
cov1_6_7_9_10	23.7353	-384.194	0.3971367	0	-0.15344424	0	0
cov1_4_8_10_11	23.7457	-384.199	0.3948714	0	-0.070410853	0	0
cov1_6_8_9_10	23.7457	-384.199	0.3969148	0	-0.15396704	0	0
cov1_4_9_10_11	23.7564	-384.205	0.3952013	0	-0.069729404	0	0
cov1_4_7_10_11	23.7597	-384.206	0.3950821	0	-0.069452335	0	0
cov3_4_6_8_10	23.7775	-384.215	0.3967834	0	0	0	0
cov1_4_8_9_10	23.8055	-384.229	0.3946665	0	-0.058081105	0	0
cov1_4_7_9_10	23.8059	-384.229	0.3949117	0	-0.058566737	0	0
cov3_4_7_10_11	23.8413	-384.247	0.3960635	0	0	0	0
cov3_7_8_10_11	23.8456	-384.249	0.3985773	0	0	0	0
cov2_3_4_8_10	23.8934	-384.273	0.3968199	0	0	0	-0.019465707
cov1_2_6_9_11	23.8997	-384.276	0.3969958	0	-0.16885972	0	0.010818955
cov1_6_7_9_11	23.9167	-384.285	0.3971389	0	-0.15949024	0	0

cov1_6_8_9_11	23.9189	-384.286	0.3969794	0	-0.16112302	0	0
cov1_2_6_7_9	23.9215	-384.287	0.3969113	0	-0.16158648	0	0.011688205
cov1_2_6_8_9	23.933	-384.293	0.3967227	0	-0.16221684	0	0.011806329
cov3_4_6_7_10	23.9442	-384.298	0.3966122	0	0	0	0
cov3_4_8_9_10	23.9467	-384.3	0.3955302	0	0	0	0
cov1_4_8_9_11	23.9625	-384.308	0.3948222	0	-0.071374675	0	0
cov1_4_7_9_11	23.9751	-384.314	0.3950342	0	-0.0704246	0	0
cov3_4_8_9_11	24.0267	-384.34	0.3957729	0	0	0	0
cov2_3_4_7_10	24.0551	-384.354	0.3965637	0	0	0	-0.017202204
cov3_4_6_10_11	24.0569	-384.355	0.395775	0	0	0	0
cov2_3_4_10_11	24.06	-384.356	0.3952374	0	0	0	0.005706835
cov3_4_9_10_11	24.0645	-384.359	0.3955608	0	0	0	0
cov3_4_6_8_9	24.0907	-384.372	0.3963784	0	0	0	0
cov3_4_7_9_10	24.0962	-384.374	0.3954114	0	0	0	0
cov1_2_9_10_11	24.1522	-384.402	0.3969962	0	-0.11499842	0	0.0139727
cov1_2_7_10_11	24.156	-384.404	0.3970047	0	-0.11316766	0	0.013710557
cov3_4_7_9_11	24.1586	-384.406	0.3956738	0	0	0	0
cov1_2_8_10_11	24.1594	-384.406	0.3968283	0	-0.11478675	0	0.013693954
cov3_7_8_9_11	24.1639	-384.408	0.3981716	0	0	0	0
cov2_3_8_10_11	24.1734	-384.413	0.4004994	0	0	0	-0.052776839
cov2_3_6_8_10	24.1793	-384.416	0.4009508	0	0	0	-0.047185685
cov1_7_9_10_11	24.1817	-384.417	0.3971881	0	-0.10272688	0	0
cov1_8_9_10_11	24.1851	-384.419	0.3970106	0	-0.10435526	0	0
cov2_3_4_8_9	24.1866	-384.42	0.3964743	0	0	0	-0.020301844
cov1_2_7_9_10	24.189	-384.421	0.3968923	0	-0.10444315	0	0.015147832
cov1_2_8_9_10	24.205	-384.429	0.3966845	0	-0.10474272	0	0.015293576
cov2_3_4_6_10	24.2316	-384.442	0.3956886	0	0	0	0.001931662
cov3_4_6_9_10	24.232	-384.442	0.3957695	0	0	0	0
cov3_4_6_7_9	24.2433	-384.448	0.3962059	0	0	0	0
cov2_6_7_8_10	24.2799	-384.466	0.3962801	0	0	0	-0.038796331
cov2_3_4_9_10	24.3281	-384.49	0.3952899	0	0	0	-0.007990822
cov3_4_6_9_11	24.3299	-384.491	0.3954738	0	0	0	0
cov2_3_4_7_9	24.3362	-384.494	0.3962163	0	0	0	-0.018003172
cov2_3_4_9_11	24.3376	-384.495	0.395062	0	0	0	0.002934707
cov1_2_7_9_11	24.3546	-384.504	0.3969504	0	-0.11223606	0	0.012236431
cov2_3_7_10_11	24.3569	-384.505	0.4004052	0	0	0	-0.05175201
cov1_2_8_9_11	24.3589	-384.506	0.3967819	0	-0.11383723	0	0.01220601
cov2_7_8_10_11	24.3674	-384.51	0.3959625	0	0	0	-0.048237216
cov2_4_6_10_11	24.3775	-384.515	0.3922337	0	0	0	0.021556355
cov2_4_7_10_11	24.3833	-384.518	0.3922665	0	0	0	0.018980507
cov2_4_8_10_11	24.3872	-384.52	0.3920341	0	0	0	0.019193215
cov2_4_9_10_11	24.3879	-384.52	0.3920896	0	0	0	0.019147944
cov2_3_6_7_10	24.388	-384.52	0.4008775	0	0	0	-0.047094154
cov4_6_7_10_11	24.4363	-384.545	0.3930996	0	0	0	0
cov4_7_9_10_11	24.4371	-384.545	0.3930283	0	0	0	0
cov4_6_8_10_11	24.441	-384.547	0.3928849	0	0	0	0
cov4_6_9_10_11	24.4417	-384.547	0.3929317	0	0	0	0

cov4_8_9_10_11	24.4421	-384.547	0.3928	0	0	0	0
cov2_6_7_8_9	24.4423	-384.548	0.3960963	0	0	0	-0.03946448
cov3_6_8_10_11	24.4469	-384.55	0.3999221	0	0	0	0
cov6_7_8_10_11	24.4544	-384.554	0.3956235	0	0	0	0
cov2_3_8_9_10	24.4554	-384.554	0.4011438	0	0	0	-0.072105836
cov2_4_6_8_10	24.4653	-384.559	0.3925108	0	0	0	0.016244457
cov2_3_6_8_9	24.4673	-384.56	0.4005568	0	0	0	-0.047843308
cov2_3_8_9_11	24.4741	-384.563	0.4001262	0	0	0	-0.053632217
cov2_4_6_9_10	24.4784	-384.566	0.3927871	0	0	0	0.015239497
cov2_4_6_7_10	24.4786	-384.566	0.3927711	0	0	0	0.015381451
cov2_3_4_6_9	24.4813	-384.567	0.3954699	0	0	0	-0.000242032
cov4_6_8_9_10	24.503	-384.578	0.3930142	0	0	0	0
cov4_6_7_9_10	24.5124	-384.583	0.3932462	0	0	0	0
cov2_4_8_9_10	24.5297	-384.591	0.3923087	0	0	0	0.007410946
cov2_7_8_9_11	24.5337	-384.593	0.3957737	0	0	0	-0.048949461
cov2_4_7_9_10	24.5447	-384.599	0.3925602	0	0	0	0.0064481
cov2_4_6_9_11	24.6249	-384.639	0.3922001	0	0	0	0.018273658
cov2_7_8_9_10	24.6265	-384.64	0.3964761	0	0	0	-0.066783702
cov2_4_7_9_11	24.629	-384.641	0.3922458	0	0	0	0.015753598
cov3_6_7_10_11	24.6304	-384.642	0.3998352	0	0	0	0
cov2_4_8_9_11	24.6344	-384.644	0.3920126	0	0	0	0.015958099
cov6_7_8_9_10	24.6433	-384.648	0.3959603	0	0	0	0
cov6_7_8_9_11	24.6445	-384.649	0.3954808	0	0	0	0
cov2_3_7_9_11	24.6457	-384.649	0.4000329	0	0	0	-0.05258325
cov2_3_6_10_11	24.656	-384.654	0.3997312	0	0	0	-0.036973339
cov2_3_7_9_10	24.6569	-384.655	0.4010622	0	0	0	-0.071702538
cov2_3_6_7_9	24.6625	-384.658	0.4004833	0	0	0	-0.047716025
cov4_6_7_9_11	24.6649	-384.659	0.3929647	0	0	0	0
cov4_6_8_9_11	24.6708	-384.662	0.3927491	0	0	0	0
cov2_4_6_8_9	24.6984	-384.676	0.3924428	0	0	0	0.013483994
cov2_4_6_7_9	24.7088	-384.681	0.3927013	0	0	0	0.012642008
cov3_6_8_9_10	24.7154	-384.684	0.400388	0	0	0	0
cov2_3_9_10_11	24.7296	-384.691	0.3997205	0	0	0	-0.046693404
cov1_3_5_7_8	24.7405	-384.697	0.4052295	0	-0.16219575	0	0
cov1_3_6_7_8	24.7442	-384.698	0.4044228	0	-0.15727728	0	0
cov3_6_8_9_11	24.7759	-384.714	0.399588	0	0	0	0
cov1_3_7_8_11	24.8194	-384.736	0.4044849	0	-0.13653565	0	0
cov1_2_3_7_8	24.8657	-384.759	0.4042136	0	-0.13089168	0	0.007500394
cov2_3_6_9_10	24.8664	-384.76	0.4001615	0	0	0	-0.04478958
cov1_3_4_7_8	24.8747	-384.764	0.4043471	0	-0.12602711	0	0
cov2_3_6_9_11	24.8973	-384.775	0.3994514	0	0	0	-0.038257784
cov3_6_7_9_10	24.9217	-384.787	0.4003094	0	0	0	0
cov3_6_7_9_11	24.9457	-384.799	0.3995009	0	0	0	0
cov3_6_9_10_11	24.9628	-384.808	0.3993207	0	0	0	0
cov1_4_6_7_8	25.028	-384.84	0.401234	0	-0.1425118	0	0
cov1_6_7_8_11	25.0384	-384.846	0.4019175	0	-0.16124303	0	0
cov3_8_9_10_11	25.0385	-384.846	0.399343	0	0	0	0



cov1_2_6_7_8	25.0725	-384.863	0.4017059	0	-0.15854991	0	0.00802148
cov1_5_6_7_8	25.0739	-384.863	0.4017762	0	-0.14484782	0	0
cov7_8_9_10_11	25.0903	-384.872	0.3952083	0	0	0	0
cov1_2_4_7_8	25.0988	-384.876	0.4007643	0	-0.12212018	0	0.023831087
cov1_4_7_8_11	25.1112	-384.882	0.4012951	0	-0.12114872	0	0
cov1_2_7_8_11	25.1514	-384.902	0.4017109	0	-0.13713535	0	0.007780986
cov1_5_7_8_11	25.1518	-384.902	0.401799	0	-0.12360467	0	0
cov1_4_5_7_8	25.1687	-384.911	0.4008622	0	-0.11211735	0	0
cov3_7_9_10_11	25.1881	-384.92	0.399271	0	0	0	0
cov1_2_5_7_8	25.1954	-384.924	0.4015586	0	-0.11872077	0	0.009369646
cov1_3_5_6_8	25.5757	-385.114	0.4064411	0	-0.2135016	0	0
cov2_6_7_10_11	25.597	-385.125	0.3967026	0	0	0	-0.037294136
cov2_6_8_10_11	25.6395	-385.146	0.3965327	0	0	0	-0.037900124
cov2_6_9_10_11	25.6629	-385.158	0.3962687	0	0	0	-0.03868128
cov2_6_7_9_10	25.6951	-385.174	0.3970275	0	0	0	-0.042891037
cov2_7_9_10_11	25.7052	-385.179	0.3966488	0	0	0	-0.048867498
cov1_3_5_6_7	25.7086	-385.181	0.4060982	0	-0.20544322	0	0
cov1_3_6_8_11	25.7143	-385.184	0.4055302	0	-0.17870928	0	0
cov2_6_8_9_10	25.7221	-385.187	0.3968267	0	0	0	-0.043015245
cov1_3_5_8_11	25.7245	-385.189	0.4065294	0	-0.18525362	0	0
cov1_3_4_5_8	25.7401	-385.196	0.4054459	0	-0.1728549	0	0
cov2_8_9_10_11	25.7543	-385.204	0.3964846	0	0	0	-0.049818699
cov1_2_3_6_8	25.7616	-385.207	0.4052641	0	-0.17383888	0	0.00634722
cov2_6_7_9_11	25.7664	-385.21	0.3965504	0	0	0	-0.038331872
cov1_3_4_6_8	25.7678	-385.21	0.4053934	0	-0.1701049	0	0
cov1_2_3_5_8	25.7968	-385.225	0.4061927	0	-0.17487519	0	0.005172733
cov1_3_6_7_11	25.7975	-385.225	0.4053316	0	-0.17693087	0	0
cov2_6_8_9_11	25.8091	-385.231	0.3963817	0	0	0	-0.038940895
cov1_2_3_6_7	25.8339	-385.243	0.4050909	0	-0.17312118	0	0.006464616
cov1_3_4_5_6	25.8371	-385.245	0.4041996	0	-0.17947954	0	0
cov1_3_4_6_7	25.8412	-385.247	0.4051065	0	-0.16798329	0	0
cov1_3_5_6_11	25.8551	-385.254	0.404983	0	-0.18323845	0	0
cov1_2_3_5_6	25.8676	-385.26	0.4048951	0	-0.18336686	0	0.00600371
cov1_2_3_6_11	25.8725	-385.263	0.4047696	0	-0.17608364	0	0.005975464
cov1_3_4_6_11	25.8747	-385.264	0.4045423	0	-0.16873892	0	0
cov1_3_5_7_11	25.8762	-385.264	0.4061389	0	-0.17500641	0	0
cov1_2_3_4_6	25.8791	-385.266	0.4040904	0	-0.16906617	0	0.013125577
cov1_3_4_5_7	25.8891	-385.271	0.4051468	0	-0.1636494	0	0
cov6_7_9_10_11	25.9089	-385.281	0.396335	0	0	0	0
cov1_2_3_8_11	25.9136	-385.283	0.4053311	0	-0.14484101	0	0.006220782
cov1_3_4_8_11	25.9181	-385.285	0.4055436	0	-0.1422741	0	0
cov1_2_3_5_7	25.9345	-385.294	0.405824	0	-0.16623036	0	0.00576633
cov6_8_9_10_11	25.9619	-385.307	0.3961531	0	0	0	0
cov1_2_3_4_8	25.9855	-385.319	0.4050003	0	-0.13229538	0	0.008093598
cov1_2_3_4_5	25.9996	-385.326	0.4031768	0	-0.15718086	0	0.027310344
cov1_2_3_7_11	26.0015	-385.327	0.4051186	0	-0.14268312	0	0.006490269
cov1_3_4_7_11	26.0084	-385.331	0.4052216	0	-0.13847566	0	0

cov3_7_8_9_10	26.0134	-385.333	0.3988106	0	0	0	0
cov1_2_4_5_6	26.0146	-385.334	0.400279	0	-0.19133552	0	0.037506431
cov1_2_4_6_11	26.033	-385.343	0.4015549	0	-0.17495086	0	0.023175507
cov1_3_4_5_11	26.0411	-385.347	0.4041919	0	-0.14307784	0	0
cov1_2_3_4_7	26.0588	-385.356	0.404627	0	-0.13058465	0	0.010154933
cov1_2_3_5_11	26.0607	-385.357	0.4047595	0	-0.14835429	0	0.006523395
cov1_2_4_6_7	26.0608	-385.357	0.401553	0	-0.16534847	0	0.023916945
cov1_2_3_4_11	26.0691	-385.361	0.4040469	0	-0.13592498	0	0.012966186
cov1_2_4_6_8	26.0832	-385.368	0.4013316	0	-0.16592166	0	0.024576869
cov1_4_6_7_11	26.0871	-385.37	0.4020455	0	-0.16179095	0	0
cov1_4_5_6_11	26.0913	-385.372	0.4015582	0	-0.16963026	0	0
cov1_4_6_8_11	26.1014	-385.377	0.4018748	0	-0.16310272	0	0
cov1_4_5_6_7	26.129	-385.391	0.4015916	0	-0.15711663	0	0
cov1_5_6_7_11	26.1392	-385.396	0.4026302	0	-0.16394164	0	0
cov1_2_6_7_11	26.1428	-385.398	0.4025444	0	-0.17730499	0	0.0069423
cov1_4_5_6_8	26.1526	-385.403	0.4013408	0	-0.15839929	0	0
cov1_2_5_6_11	26.1558	-385.404	0.4023515	0	-0.17296155	0	0.007153907
cov1_5_6_8_11	26.1602	-385.406	0.4024703	0	-0.16616719	0	0
cov1_2_6_8_11	26.1625	-385.408	0.4023884	0	-0.17902292	0	0.006902109
cov1_2_5_6_7	26.1729	-385.413	0.4024184	0	-0.16096808	0	0.008359695
cov1_2_4_5_11	26.2033	-385.428	0.4005677	0	-0.15523019	0	0.034669738
cov1_2_5_6_8	26.2058	-385.429	0.4022334	0	-0.16214473	0	0.008435544
cov1_2_4_7_11	26.2454	-385.449	0.4015576	0	-0.13353032	0	0.023302056
cov1_2_4_5_7	26.257	-385.455	0.4004623	0	-0.14202401	0	0.035362478
cov1_2_4_8_11	26.2581	-385.455	0.4013678	0	-0.13502951	0	0.023810936
cov1_2_4_5_8	26.2723	-385.463	0.4001484	0	-0.14453875	0	0.037271573
cov2_5_6_7_8	26.2951	-385.474	0.4025185	0	0	0	-0.028059859
cov1_4_5_7_11	26.3119	-385.482	0.4016857	0	-0.12483314	0	0
cov1_4_5_8_11	26.3251	-385.489	0.401448	0	-0.12716561	0	0
cov1_2_5_7_11	26.3456	-385.499	0.4023903	0	-0.12981068	0	0.008411615
cov1_2_5_8_11	26.3682	-385.51	0.4022181	0	-0.13195897	0	0.008356
cov5_6_7_8_11	26.424	-385.538	0.4024536	0	0	0	0
cov4_5_6_7_8	26.45	-385.551	0.4023262	0	0	0	0
cov2_5_7_8_11	26.4508	-385.552	0.4027267	0	0	0	-0.036922427
cov2_4_5_7_8	26.4515	-385.552	0.4039577	0	0	0	-0.052355161
cov3_5_6_7_8	26.4636	-385.558	0.402577	0	0	0	0
cov2_3_5_7_8	26.5162	-385.584	0.4026797	0	0	0	-0.04082161
cov2_3_6_7_8	26.6657	-385.659	0.4044202	0	0	0	-0.048524143
cov2_4_6_7_8	26.7074	-385.68	0.4010809	0	0	0	-0.02403588
cov4_6_7_8_11	26.7107	-385.682	0.4005475	0	0	0	0
cov3_5_7_8_11	26.721	-385.687	0.4019028	0	0	0	0
cov4_5_7_8_11	26.7611	-385.707	0.4027065	0	0	0	0
cov3_4_6_7_8	26.7674	-385.71	0.4017855	0	0	0	0
cov2_6_7_8_11	26.8603	-385.757	0.4017839	0	0	0	-0.04186056
cov3_4_5_7_8	26.8671	-385.76	0.4014553	0	0	0	0
cov3_6_7_8_11	27.0395	-385.846	0.4038701	0	0	0	0
cov2_4_7_8_11	27.1985	-385.926	0.401003	0	0	0	-0.043122114

cov2_3_7_8_11	27.2957	-385.974	0.404352	0	0	0	-0.075025356
cov3_4_7_8_11	27.516	-386.084	0.3999791	0	0	0	0
cov2_4_5_6_7	27.5505	-386.102	0.4037598	0	0	0	-0.037261938
cov2_5_6_7_11	27.5545	-386.104	0.4030689	0	0	0	-0.028515044
cov2_3_4_7_8	27.5603	-386.107	0.4028247	0	0	0	-0.070507339
cov2_3_4_5_6	27.5665	-386.11	0.4048842	0	0	0	-0.043456617
cov2_3_5_6_7	27.568	-386.11	0.4036163	0	0	0	-0.031924528
cov2_3_5_6_11	27.5789	-386.116	0.4040155	0	0	0	-0.03327122
cov2_3_5_6_8	27.596	-386.124	0.403999	0	0	0	-0.034285797
cov2_4_5_7_11	27.6109	-386.132	0.4040308	0	0	0	-0.044748888
cov2_4_5_6_8	27.6115	-386.132	0.4034933	0	0	0	-0.036526136
cov2_5_6_8_11	27.6156	-386.134	0.4029097	0	0	0	-0.029111171
cov2_3_4_5_7	27.6509	-386.152	0.4045417	0	0	0	-0.051593176
cov2_3_5_7_11	27.653	-386.153	0.4032356	0	0	0	-0.036149682
cov2_4_5_6_11	27.6785	-386.166	0.4026551	0	0	0	-0.033574399
cov2_4_5_8_11	27.6835	-386.168	0.4038319	0	0	0	-0.044956646
cov2_3_4_5_11	27.6847	-386.169	0.4050882	0	0	0	-0.053999646
cov2_3_4_5_8	27.7061	-386.179	0.404943	0	0	0	-0.05532599
cov4_5_6_7_11	27.7068	-386.18	0.4027737	0	0	0	0
cov2_3_5_8_11	27.7137	-386.183	0.403583	0	0	0	-0.039389088
cov3_5_6_7_11	27.7212	-386.187	0.4030623	0	0	0	0
cov3_4_5_6_7	27.7545	-386.204	0.4027319	0	0	0	0
cov4_5_6_8_11	27.7698	-386.211	0.4025525	0	0	0	0
cov3_4_5_6_11	27.7798	-386.216	0.4032177	0	0	0	0
cov3_5_6_8_11	27.7828	-386.218	0.4034168	0	0	0	0
cov3_4_5_6_8	27.8092	-386.231	0.403034	0	0	0	0
cov2_3_4_6_11	27.8924	-386.273	0.4035562	0	0	0	-0.032473481
cov3_4_5_7_11	27.9059	-386.279	0.4021133	0	0	0	0
cov2_3_6_8_11	27.9212	-386.287	0.4051458	0	0	0	-0.048574525
cov2_3_4_6_8	27.9348	-386.294	0.4042429	0	0	0	-0.039778986
cov2_3_6_7_11	27.9592	-386.306	0.4048948	0	0	0	-0.04766818
cov2_3_4_6_7	27.967	-386.31	0.4038114	0	0	0	-0.037088422
cov2_4_6_7_11	27.9925	-386.323	0.4014295	0	0	0	-0.021975389
cov3_4_5_8_11	28.0126	-386.333	0.4023618	0	0	0	0
cov3_4_6_7_11	28.0267	-386.34	0.4022273	0	0	0	0
cov3_4_6_8_11	28.0331	-386.343	0.4025622	0	0	0	0
cov2_4_6_8_11	28.0431	-386.348	0.4012389	0	0	0	-0.021904351
cov1_3_6_7_8_10	28.1567	-382.89	0.4003332	0	-0.1511985	0	0
cov2_3_4_7_11	28.3728	-386.513	0.4030133	0	0	0	-0.050695767
cov2_3_4_8_11	28.3876	-386.52	0.4034414	0	0	0	-0.054322307
cov1_3_5_7_8_10	28.4345	-383.029	0.398588	0	-0.055203652	0	0
cov1_3_4_7_8_10	28.4972	-383.06	0.3990192	0	-0.082230205	0	0
cov1_3_6_7_8_9	28.506	-383.065	0.3999997	0	-0.14944634	0	0
cov1_3_7_8_10_11	28.5204	-383.072	0.400285	0	-0.10440453	0	0
cov1_2_3_7_8_10	28.5236	-383.074	0.3999685	0	-0.10604682	0	0.012729404
cov1_3_7_8_9_10	28.5381	-383.081	0.4002197	0	-0.096128023	0	0
cov3_5_6_7_8_10	28.5411	-383.082	0.3960353	0	0	0	0

cov1_5_6_7_8_10	28.5855	-383.105	0.3946869	0	-0.054451967	0	0
cov3_5_7_8_9_10	28.626	-383.125	0.3967748	0	0	0	0
cov2_3_5_7_8_10	28.6289	-383.126	0.3966682	0	0	0	0.001136673
cov3_5_7_8_10_11	28.6289	-383.126	0.3967185	0	0	0	0
cov3_4_5_7_8_10	28.6292	-383.126	0.3967138	0	0	0	0
cov2_5_6_7_8_10	28.753	-383.188	0.3940626	0	0	0	0.004264312
cov5_6_7_8_10_11	28.7558	-383.19	0.3940966	0	0	0	0
cov5_6_7_8_9_10	28.7562	-383.19	0.3941497	0	0	0	0
cov4_5_6_7_8_10	28.7566	-383.19	0.3940946	0	0	0	0
cov1_3_5_7_8_9	28.7986	-383.211	0.3984403	0	-0.05911151	0	0
cov1_3_4_7_8_9	28.8347	-383.229	0.3987009	0	-0.0813369	0	0
cov1_3_7_8_9_11	28.8513	-383.237	0.4000002	0	-0.10449158	0	0
cov1_2_3_7_8_9	28.8682	-383.246	0.3996888	0	-0.1038263	0	0.011015838
cov1_5_6_7_8_9	28.9164	-383.27	0.3946461	0	-0.059023665	0	0
cov2_4_5_7_8_10	28.9317	-383.278	0.3936387	0	0	0	0.02105896
cov1_2_5_7_8_10	28.9409	-383.282	0.3944273	0	-0.015516399	0	0.019603229
cov3_5_6_7_8_9	28.9447	-383.284	0.3957263	0	0	0	0
cov2_5_7_8_10_11	28.95	-383.287	0.3943486	0	0	0	0.012858724
cov2_5_7_8_9_10	28.9547	-383.289	0.394349	0	0	0	0.014629313
cov1_3_5_6_8_10	28.9723	-383.298	0.3997649	0	-0.12681077	0	0
cov1_5_7_8_10_11	28.9775	-383.301	0.3947718	0	-0.010000667	0	0
cov5_7_8_9_10_11	28.9822	-383.303	0.3946639	0	0	0	0
cov4_5_7_8_10_11	28.9845	-383.304	0.3945388	0	0	0	0
cov1_3_4_6_8_10	29.0003	-383.312	0.3998791	0	-0.1486691	0	0
cov4_5_7_8_9_10	29.0036	-383.314	0.3945452	0	0	0	0
cov1_5_7_8_9_10	29.0041	-383.314	0.3946307	0	-0.001091909	0	0
cov1_4_5_7_8_10	29.0074	-383.316	0.3944763	0	-0.000832936	0	0
cov3_4_5_7_8_9	29.019	-383.321	0.3962975	0	0	0	0
cov2_3_5_7_8_9	29.0193	-383.321	0.3964343	0	0	0	-0.00155672
cov3_5_7_8_9_11	29.0197	-383.322	0.3963822	0	0	0	0
cov1_2_3_6_8_10	29.0497	-383.337	0.4010195	0	-0.17085663	0	0.011122138
cov1_3_6_8_10_11	29.0504	-383.337	0.4012828	0	-0.16810136	0	0
cov1_3_6_8_9_10	29.0604	-383.342	0.4012263	0	-0.16237043	0	0
cov1_2_4_7_8_10	29.1147	-383.369	0.3926096	0	-0.085874085	0	0.058484247
cov4_5_6_7_8_9	29.1164	-383.37	0.393906	0	0	0	0
cov5_6_7_8_9_11	29.1173	-383.37	0.3939956	0	0	0	0
cov2_5_6_7_8_9	29.1174	-383.371	0.3939955	0	0	0	0.001218866
cov1_4_6_7_8_10	29.1298	-383.377	0.3941275	0	-0.11189461	0	0
cov1_3_5_6_7_10	29.1381	-383.381	0.3994322	0	-0.119347	0	0
cov1_3_4_6_7_10	29.1989	-383.411	0.399739	0	-0.14762222	0	0
cov1_2_3_6_7_10	29.2599	-383.442	0.4009865	0	-0.17094338	0	0.011145471
cov1_3_6_7_10_11	29.2664	-383.445	0.4012209	0	-0.16730582	0	0
cov1_3_6_7_9_10	29.2712	-383.447	0.4011902	0	-0.16243269	0	0
cov1_2_5_7_8_9	29.2736	-383.449	0.3944452	0	-0.019438142	0	0.017351579
cov2_4_5_7_8_9	29.2753	-383.449	0.3936067	0	0	0	0.017409243
cov1_5_7_8_9_11	29.2889	-383.456	0.3947725	0	-0.01636839	0	0
cov2_5_7_8_9_11	29.291	-383.457	0.3943091	0	0	0	0.009184922

cov4_5_7_8_9_11	29.3067	-383.465	0.394354	0	0	0
cov1_4_5_7_8_9	29.3232	-383.473	0.394383	0	-0.006593145	0
cov1_3_5_6_8_9	29.3593	-383.491	0.3995948	0	-0.12976097	0
cov1_3_4_6_8_9	29.362	-383.493	0.3995303	0	-0.14688032	0
cov1_4_6_7_8_9	29.3622	-383.493	0.3940372	0	-0.11150885	0
cov1_2_3_5_6_10	29.3653	-383.494	0.3977448	0	-0.098052721	0.015955316
cov1_2_4_7_8_9	29.3879	-383.506	0.3926707	0	-0.084512173	0.054873191
cov1_3_5_6_9_10	29.4056	-383.515	0.3979758	0	-0.087304455	0
cov1_3_6_8_9_11	29.4063	-383.515	0.4009759	0	-0.16724503	0
cov1_3_5_6_10_11	29.4091	-383.516	0.3979085	0	-0.087570251	0
cov1_3_4_5_6_10	29.4095	-383.517	0.3978558	0	-0.086899217	0
cov1_2_3_6_8_9	29.418	-383.521	0.4007102	0	-0.16771405	0.009333503
cov1_2_3_4_8_10	29.4406	-383.532	0.3984529	0	-0.098685016	0.034538466
cov1_4_7_8_10_11	29.4944	-383.559	0.3943867	0	-0.068275137	0
cov1_3_5_8_10_11	29.5054	-383.565	0.399976	0	-0.076253328	0
cov1_2_3_5_8_10	29.5097	-383.567	0.3995003	0	-0.075521379	0.015100252
cov1_2_3_4_6_10	29.5136	-383.569	0.3966358	0	-0.1544587	0.045190578
cov1_3_5_6_7_9	29.5166	-383.57	0.3992528	0	-0.12214093	0
cov1_3_4_8_10_11	29.5288	-383.576	0.4001498	0	-0.095534557	0
cov1_4_7_8_9_10	29.5347	-383.579	0.3942266	0	-0.058110382	0
cov1_3_5_8_9_10	29.5366	-383.58	0.3998674	0	-0.066465586	0
cov1_3_4_5_8_10	29.5442	-383.584	0.399517	0	-0.065988766	0
cov1_3_4_6_7_9	29.5474	-383.586	0.3993851	0	-0.14578046	0
cov1_2_3_8_10_11	29.5511	-383.587	0.4009903	0	-0.11679867	0.011827061
cov3_4_7_8_10_11	29.5582	-383.591	0.3953948	0	0	0
cov1_3_8_9_10_11	29.5612	-383.592	0.401253	0	-0.10807732	0
cov1_3_4_8_9_10	29.5633	-383.593	0.4000679	0	-0.085691903	0
cov1_2_3_8_9_10	29.5748	-383.599	0.4009012	0	-0.10860573	0.01332936
cov1_2_4_5_6_10	29.5748	-383.599	0.3939327	0	-0.099745353	0.038803813
cov1_2_6_7_8_10	29.587	-383.605	0.3963136	0	-0.15298772	0.013167051
cov1_6_7_8_10_11	29.5941	-383.609	0.3965375	0	-0.14896639	0
cov3_4_6_7_8_10	29.6049	-383.614	0.3961289	0	0	0
cov1_3_6_7_9_11	29.61	-383.617	0.4009122	0	-0.16638836	0
cov1_6_7_8_9_10	29.6127	-383.618	0.3964435	0	-0.14264657	0
cov1_2_3_6_7_9	29.6149	-383.619	0.4006747	0	-0.16778181	0.009389683
cov1_2_3_4_7_10	29.6354	-383.63	0.3982219	0	-0.097591116	0.036145466
cov1_2_5_6_7_10	29.6626	-383.643	0.3952742	0	-0.077814456	0.018262185
cov1_2_5_6_10_11	29.6627	-383.643	0.395253	0	-0.084233078	0.017654339
cov1_2_5_6_9_10	29.6776	-383.651	0.395059	0	-0.079582404	0.018573974
cov1_2_5_6_8_10	29.6786	-383.651	0.3950895	0	-0.078722521	0.0183712
cov1_2_3_5_7_10	29.6823	-383.653	0.3991291	0	-0.067199069	0.015659091
cov3_5_6_8_10_11	29.6826	-383.653	0.3966848	0	0	0
cov2_3_5_6_8_10	29.686	-383.655	0.3969286	0	0	-0.007500575
cov1_3_5_7_10_11	29.6906	-383.657	0.3995795	0	-0.066313323	0
cov3_5_6_8_9_10	29.6959	-383.66	0.3967537	0	0	0
cov3_4_5_6_8_10	29.6969	-383.66	0.3966871	0	0	0
cov1_5_6_7_10_11	29.707	-383.665	0.3955284	0	-0.069899941	0

cov1_4_5_6_10_11	29.7086	-383.666	0.3951561	0	-0.073160124	0	0
cov1_4_7_8_9_11	29.7129	-383.668	0.3943311	0	-0.069216892	0	0
cov1_3_5_7_9_10	29.7133	-383.668	0.3994953	0	-0.057703883	0	0
cov1_5_6_9_10_11	29.7151	-383.669	0.3954214	0	-0.072279795	0	0
cov1_4_5_6_7_10	29.7162	-383.67	0.3951755	0	-0.065471926	0	0
cov1_5_6_8_10_11	29.7168	-383.67	0.3953793	0	-0.07192909	0	0
cov1_5_6_7_9_10	29.7188	-383.671	0.3954243	0	-0.064704694	0	0
cov1_3_4_5_7_10	29.7223	-383.673	0.3992034	0	-0.057017607	0	0
cov1_2_3_5_6_9	29.7242	-383.674	0.397671	0	-0.10098085	0	0.013686969
cov1_4_5_6_9_10	29.729	-383.676	0.3949182	0	-0.067169334	0	0
cov1_4_5_6_8_10	29.73	-383.677	0.3949392	0	-0.06658429	0	0
cov1_5_6_8_9_10	29.7355	-383.68	0.39524	0	-0.065536515	0	0
cov1_3_4_7_10_11	29.7457	-383.685	0.3999679	0	-0.092719405	0	0
cov1_3_4_6_9_10	29.7458	-383.685	0.3985084	0	-0.13493249	0	0
cov1_3_4_6_10_11	29.7503	-383.687	0.3983986	0	-0.13418957	0	0
cov1_3_5_6_9_11	29.7545	-383.689	0.3978173	0	-0.09287074	0	0
cov1_3_4_5_6_9	29.7549	-383.689	0.3976419	0	-0.091554623	0	0
cov3_5_6_7_10_11	29.7569	-383.69	0.3964794	0	0	0	0
cov2_3_5_6_7_10	29.7668	-383.695	0.3966701	0	0	0	-0.005660943
cov1_3_4_7_9_10	29.7717	-383.698	0.3999082	0	-0.083930012	0	0
cov3_5_6_7_9_10	29.7722	-383.698	0.3965454	0	0	0	0
cov3_4_5_6_7_10	29.773	-383.698	0.3965231	0	0	0	0
cov1_2_3_7_10_11	29.7773	-383.7	0.4009164	0	-0.11533623	0	0.011989153
cov2_3_4_7_8_10	29.7795	-383.702	0.3958819	0	0	0	-0.017249121
cov1_3_7_9_10_11	29.7884	-383.706	0.4011761	0	-0.10647958	0	0
cov1_2_3_7_9_10	29.7929	-383.708	0.4008531	0	-0.10815072	0	0.013361071
cov3_5_6_9_10_11	29.7964	-383.71	0.3961891	0	0	0	0
cov1_6_7_8_9_11	29.7966	-383.71	0.3964357	0	-0.1485484	0	0
cov3_4_5_6_10_11	29.7968	-383.71	0.3962306	0	0	0	0
cov2_3_5_6_10_11	29.7973	-383.71	0.3961753	0	0	0	-0.001190231
cov1_2_4_6_8_10	29.7996	-383.712	0.3929517	0	-0.15196081	0	0.060782249
cov1_2_6_7_8_9	29.8003	-383.712	0.3962138	0	-0.15079242	0	0.011689446
cov1_2_3_4_8_9	29.8099	-383.717	0.3982692	0	-0.096697953	0	0.031777705
cov2_3_4_5_6_10	29.8111	-383.717	0.3965368	0	0	0	-0.005750619
cov2_3_5_6_9_10	29.8142	-383.719	0.396258	0	0	0	-0.002576996
cov3_4_5_6_9_10	29.8147	-383.719	0.39629	0	0	0	0
cov2_3_5_8_9_10	29.8168	-383.72	0.3976405	0	0	0	-0.001391554
cov3_5_8_9_10_11	29.8169	-383.72	0.3975981	0	0	0	0
cov1_2_3_4_6_9	29.817	-383.72	0.3965166	0	-0.1522348	0	0.042085466
cov3_4_5_8_9_10	29.817	-383.72	0.3975502	0	0	0	0
cov1_2_4_6_10_11	29.8191	-383.721	0.3935455	0	-0.15421719	0	0.058455326
cov1_2_4_6_7_10	29.8202	-383.722	0.3931979	0	-0.1516812	0	0.059910695
cov2_3_4_5_8_10	29.8204	-383.722	0.3975404	0	0	0	-0.001074758
cov2_3_5_8_10_11	29.8204	-383.722	0.3975699	0	0	0	-0.001216461
cov3_4_5_8_10_11	29.8204	-383.722	0.397482	0	0	0	0
cov3_4_7_8_9_10	29.8205	-383.722	0.3947243	0	0	0	0
cov1_2_4_6_9_10	29.8217	-383.723	0.3934523	0	-0.15177327	0	0.059348073

cov1_3_5_8_9_11	29.8665	-383.745	0.3998611	0	-0.081280682	0	0
cov1_3_4_8_9_11	29.8692	-383.746	0.3998576	0	-0.095571291	0	0
cov3_4_7_8_9_11	29.878	-383.751	0.3949922	0	0	0	0
cov1_2_7_8_10_11	29.887	-383.755	0.3963021	0	-0.11162938	0	0.013506659
cov1_2_3_5_8_9	29.8898	-383.757	0.3994109	0	-0.078237651	0	0.012944473
cov1_2_3_4_5_10	29.8962	-383.76	0.3969048	0	-0.0478863	0	0.028606713
cov1_2_3_6_9_10	29.8978	-383.761	0.4003505	0	-0.16431315	0	0.011597472
cov1_2_3_8_9_11	29.8986	-383.761	0.4007389	0	-0.11549657	0	0.009998642
cov1_2_3_6_10_11	29.9052	-383.764	0.4001908	0	-0.16238573	0	0.011515961
cov3_4_6_7_8_9	29.9086	-383.766	0.395726	0	0	0	0
cov1_3_4_5_8_9	29.9087	-383.766	0.399311	0	-0.07043081	0	0
cov1_2_4_5_6_9	29.911	-383.767	0.3938562	0	-0.10377554	0	0.037477351
cov1_7_8_9_10_11	29.9125	-383.768	0.3964767	0	-0.10132344	0	0
cov1_2_7_8_9_10	29.9152	-383.769	0.3961997	0	-0.10354311	0	0.014844628
cov1_2_3_5_9_10	29.9159	-383.77	0.3978053	0	-0.039859224	0	0.017729774
cov1_2_3_5_10_11	29.9185	-383.771	0.3977328	0	-0.041812492	0	0.017078946
cov1_3_6_9_10_11	29.9206	-383.772	0.4003778	0	-0.15381912	0	0
cov2_3_5_7_9_10	29.9234	-383.774	0.3974466	0	0	0	0.001054967
cov3_5_7_9_10_11	29.9235	-383.774	0.397492	0	0	0	0
cov3_4_5_7_9_10	29.9236	-383.774	0.3974875	0	0	0	0
cov2_3_4_5_7_10	29.927	-383.775	0.3973101	0	0	0	0.001689052
cov2_3_5_7_10_11	29.927	-383.775	0.3973746	0	0	0	0.001275555
cov3_4_5_7_10_11	29.9274	-383.776	0.3974139	0	0	0	0
cov2_5_6_7_10_11	29.9567	-383.79	0.3946191	0	0	0	0.003012728
cov5_6_7_9_10_11	29.958	-383.791	0.3946939	0	0	0	0
cov4_5_6_7_10_11	29.9584	-383.791	0.3946382	0	0	0	0
cov2_4_5_6_7_10	29.9594	-383.792	0.3945519	0	0	0	0.003655354
cov2_5_6_7_9_10	29.9599	-383.792	0.3947068	0	0	0	0.002195035
cov4_5_6_7_9_10	29.9608	-383.792	0.3947112	0	0	0	0
cov1_3_5_9_10_11	29.962	-383.793	0.3980399	0	-0.030674071	0	0
cov1_3_4_5_10_11	29.9685	-383.796	0.3979843	0	-0.029825259	0	0
cov1_3_4_5_9_10	29.9698	-383.797	0.3980522	0	-0.026674321	0	0
cov2_4_5_6_8_10	29.9808	-383.802	0.3942696	0	0	0	0.00457475
cov2_5_6_8_10_11	29.9823	-383.803	0.3944484	0	0	0	0.002587784
cov4_5_6_8_10_11	29.9829	-383.803	0.3944086	0	0	0	0
cov2_5_6_8_9_10	29.9832	-383.803	0.3945102	0	0	0	0.002107968
cov5_6_8_9_10_11	29.9832	-383.803	0.3945153	0	0	0	0
cov4_5_6_8_9_10	29.9834	-383.804	0.3944605	0	0	0	0
cov2_4_5_6_10_11	29.9841	-383.804	0.3940087	0	0	0	0.005871316
cov2_4_5_6_9_10	29.9846	-383.804	0.3940982	0	0	0	0.00520853
cov4_5_6_9_10_11	29.9883	-383.806	0.3942475	0	0	0	0
cov2_5_6_9_10_11	29.9892	-383.806	0.3943137	0	0	0	0.002269696
cov1_2_3_4_7_9	29.991	-383.807	0.3980333	0	-0.095635188	0	0.033452297
cov1_2_5_6_9_11	30.0019	-383.813	0.3952643	0	-0.088214383	0	0.015208601
cov1_2_5_6_7_9	30.0065	-383.815	0.3952647	0	-0.08082967	0	0.015947741
cov2_3_6_7_8_10	30.0182	-383.821	0.4000939	0	0	0	-0.042995202
cov2_3_4_5_9_10	30.0195	-383.822	0.396804	0	0	0	0.007760267

cov2_3_5_9_10_11	30.0196	-383.822	0.3969329	0	0	0	0.006987689
cov1_3_4_6_9_11	30.0228	-383.823	0.3981678	0	-0.13438768	0	0
cov2_3_4_5_10_11	30.0228	-383.823	0.3966945	0	0	0	0.008503884
cov1_2_5_6_8_9	30.0242	-383.824	0.3950825	0	-0.081752747	0	0.016051364
cov1_4_5_6_9_11	30.0276	-383.826	0.395061	0	-0.078965582	0	0
cov3_4_5_9_10_11	30.0285	-383.826	0.3972582	0	0	0	0
cov1_5_6_7_9_11	30.0319	-383.828	0.3955125	0	-0.07537279	0	0
cov1_4_5_6_7_9	30.0414	-383.833	0.39505	0	-0.070455047	0	0
cov1_5_6_8_9_11	30.0421	-383.833	0.395364	0	-0.077403105	0	0
cov1_3_5_7_9_11	30.0438	-383.834	0.3994579	0	-0.07121793	0	0
cov1_2_3_4_9_10	30.0533	-383.838	0.3968985	0	-0.092730943	0	0.044229465
cov1_2_3_5_7_9	30.0538	-383.839	0.3990312	0	-0.069801203	0	0.013521032
cov1_4_5_6_8_9	30.0556	-383.84	0.3948115	0	-0.071571469	0	0
cov1_2_3_4_10_11	30.0613	-383.842	0.3967893	0	-0.093522731	0	0.043907772
cov2_3_4_7_8_9	30.0624	-383.843	0.3955256	0	0	0	-0.018031156
cov2_3_7_8_10_11	30.0638	-383.844	0.3996709	0	0	0	-0.051075974
cov1_3_4_7_9_11	30.0729	-383.848	0.3996731	0	-0.092730692	0	0
cov1_3_4_5_7_9	30.0792	-383.851	0.3989904	0	-0.061342356	0	0
cov1_2_4_6_8_9	30.085	-383.854	0.3929934	0	-0.14976449	0	0.057061882
cov1_2_7_8_9_11	30.089	-383.856	0.3962391	0	-0.11064941	0	0.012007138
cov1_2_4_6_9_11	30.095	-383.859	0.3935849	0	-0.15298945	0	0.05472467
cov2_3_5_6_8_9	30.0952	-383.859	0.3966903	0	0	0	-0.010028841
cov2_4_7_8_10_11	30.0956	-383.86	0.3916055	0	0	0	0.019035925
cov1_2_4_6_7_9	30.1025	-383.863	0.3932378	0	-0.14948606	0	0.056209642
cov3_5_6_8_9_11	30.1044	-383.864	0.3963899	0	0	0	0
cov1_2_3_7_9_11	30.1116	-383.868	0.4006621	0	-0.11405081	0	0.010197647
cov3_4_5_6_8_9	30.1131	-383.868	0.3962899	0	0	0	0
cov4_6_7_8_10_11	30.1378	-383.881	0.3925886	0	0	0	0
cov1_2_4_5_10_11	30.1443	-383.884	0.3942034	0	-0.043339181	0	0.037065787
cov4_7_8_9_10_11	30.1497	-383.887	0.3923629	0	0	0	0
cov2_4_6_7_8_10	30.1499	-383.887	0.3921492	0	0	0	0.01796432
cov2_3_5_6_7_9	30.1658	-383.895	0.3964271	0	0	0	-0.008147082
cov3_5_6_7_9_11	30.1667	-383.895	0.3961806	0	0	0	0
cov1_2_4_5_7_10	30.1701	-383.897	0.3940742	0	-0.033927207	0	0.037594559
cov1_2_4_5_9_10	30.1714	-383.898	0.3939117	0	-0.036834708	0	0.039445956
cov1_2_4_5_8_10	30.1771	-383.9	0.3937654	0	-0.036369418	0	0.03955762
cov3_4_5_6_7_9	30.178	-383.901	0.3961233	0	0	0	0
cov1_2_3_6_9_11	30.1782	-383.901	0.3999745	0	-0.16103987	0	0.009808861
cov2_3_5_6_9_11	30.1878	-383.906	0.3960239	0	0	0	-0.004432516
cov3_4_5_6_9_11	30.1916	-383.908	0.3958951	0	0	0	0
cov4_6_7_8_9_10	30.1963	-383.91	0.3927142	0	0	0	0
cov2_3_4_5_6_9	30.1968	-383.91	0.3963053	0	0	0	-0.008071075
cov1_2_5_7_10_11	30.2137	-383.919	0.3953409	0	-0.024715571	0	0.018911294
cov3_6_7_8_10_11	30.2182	-383.921	0.3991409	0	0	0	0
cov2_3_4_5_8_9	30.2193	-383.921	0.3972673	0	0	0	-0.003395863
cov2_3_5_8_9_11	30.2194	-383.922	0.3973452	0	0	0	-0.004231452
cov1_2_5_9_10_11	30.2209	-383.922	0.3952441	0	-0.02768365	0	0.019077369



cov3_4_5_8_9_11	30.2209	-383.922	0.3970681	0	0	0	0
cov1_4_6_8_10_11	30.224	-383.924	0.394767	0	-0.12980911	0	0
cov1_2_5_8_10_11	30.2261	-383.925	0.395174	0	-0.02675251	0	0.018871247
cov2_4_5_7_10_11	30.2288	-383.926	0.3944198	0	0	0	0.019320767
cov2_4_5_7_9_10	30.2305	-383.927	0.3943841	0	0	0	0.021148379
cov1_2_3_4_5_9	30.2342	-383.929	0.3967869	0	-0.052735757	0	0.027653235
cov1_2_5_7_9_10	30.2365	-383.93	0.3952196	0	-0.017087318	0	0.020113785
cov2_4_5_9_10_11	30.2399	-383.932	0.3941805	0	0	0	0.019507055
cov1_4_6_7_10_11	30.2402	-383.932	0.394961	0	-0.12881916	0	0
cov1_4_6_9_10_11	30.2402	-383.932	0.3950912	0	-0.12855722	0	0
cov2_4_5_8_10_11	30.2421	-383.933	0.3941601	0	0	0	0.019534052
cov2_4_5_8_9_10	30.2471	-383.935	0.3940897	0	0	0	0.021948682
cov2_5_7_9_10_11	30.2478	-383.936	0.3951113	0	0	0	0.012735802
cov1_4_6_8_9_10	30.2553	-383.939	0.3945924	0	-0.12221673	0	0
cov1_2_3_5_9_11	30.2584	-383.941	0.3977127	0	-0.046647469	0	0.014769436
cov1_2_5_8_9_10	30.2595	-383.942	0.3950162	0	-0.017702733	0	0.020239887
cov1_4_6_7_9_10	30.2627	-383.943	0.3948194	0	-0.12231255	0	0
cov2_4_7_8_9_10	30.2633	-383.943	0.3919	0	0	0	0.006270466
cov2_5_8_9_10_11	30.2668	-383.945	0.3949191	0	0	0	0.012181492
cov1_5_7_9_10_11	30.2718	-383.948	0.3955684	0	-0.01177043	0	0
cov1_4_5_7_10_11	30.2744	-383.949	0.3953897	0	-0.011798664	0	0
cov1_3_4_9_10_11	30.2762	-383.95	0.3986732	0	-0.076621759	0	0
cov1_4_5_9_10_11	30.2807	-383.952	0.3952552	0	-0.014550825	0	0
cov4_5_7_9_10_11	30.2815	-383.953	0.395295	0	0	0	0
cov1_5_8_9_10_11	30.2839	-383.954	0.3954002	0	-0.013831848	0	0
cov1_4_5_8_10_11	30.2845	-383.954	0.3951686	0	-0.014149744	0	0
cov1_3_4_5_9_11	30.2961	-383.96	0.3978282	0	-0.036247247	0	0
cov4_5_8_9_10_11	30.2963	-383.96	0.3950381	0	0	0	0
cov2_3_6_7_8_9	30.2987	-383.961	0.3996975	0	0	0	-0.043630676
cov1_4_5_7_9_10	30.3063	-383.965	0.3952566	0	-0.001941138	0	0
cov2_3_4_5_7_9	30.3146	-383.969	0.3970386	0	0	0	-0.000595566
cov3_4_5_7_9_11	30.3147	-383.969	0.3970026	0	0	0	0
cov2_3_5_7_9_11	30.315	-383.969	0.3971492	0	0	0	-0.00168775
cov4_5_6_7_9_11	30.3237	-383.974	0.3944595	0	0	0	0
cov2_5_6_7_9_11	30.3251	-383.974	0.3945721	0	0	0	-0.000292778
cov2_4_5_6_7_9	30.3256	-383.975	0.3944668	0	0	0	0.000792368
cov1_4_5_8_9_10	30.3285	-383.976	0.3950002	0	-0.00268739	0	0
cov2_4_7_8_9_11	30.3439	-383.984	0.3915786	0	0	0	0.015798061
cov2_4_5_6_8_9	30.3488	-383.986	0.3941861	0	0	0	0.001703484
cov4_5_6_8_9_11	30.3488	-383.986	0.3942297	0	0	0	0
cov2_5_6_8_9_11	30.3518	-383.988	0.3944023	0	0	0	-0.000737018
cov1_2_3_4_9_11	30.352	-383.988	0.3967285	0	-0.093310581	0	0.040754128
cov1_2_4_8_10_11	30.3535	-383.989	0.3932633	0	-0.095953608	0	0.058554442
cov2_4_5_6_9_11	30.3541	-383.989	0.3939419	0	0	0	0.002647077
cov2_3_7_8_9_11	30.3556	-383.99	0.3992911	0	0	0	-0.051906327
cov4_6_7_8_9_11	30.3677	-383.996	0.3924546	0	0	0	0
cov2_3_7_8_9_10	30.3716	-383.998	0.4003287	0	0	0	-0.071259403

cov1_2_4_9_10_11	30.3772	-384	0.3937449	0	-0.094429299	0	0.057475272
cov1_2_4_7_10_11	30.378	-384.001	0.393493	0	-0.094689706	0	0.057826377
cov1_2_3_9_10_11	30.3784	-384.001	0.4001673	0	-0.10618829	0	0.013215875
cov2_4_6_7_8_9	30.3847	-384.004	0.3920844	0	0	0	0.015195282
cov1_2_4_8_9_10	30.386	-384.005	0.3931007	0	-0.08736051	0	0.060215935
cov2_3_4_5_9_11	30.3876	-384.006	0.3965255	0	0	0	0.005084984
cov1_2_4_7_9_10	30.4005	-384.012	0.3933676	0	-0.087385654	0	0.059274492
cov1_4_6_8_9_11	30.4516	-384.038	0.3946892	0	-0.1300836	0	0
cov1_2_4_5_9_11	30.459	-384.041	0.3942011	0	-0.048966934	0	0.035574812
cov3_6_7_8_9_10	30.4621	-384.043	0.3995729	0	0	0	0
cov1_4_6_7_9_11	30.4666	-384.045	0.3948869	0	-0.12906902	0	0
cov1_2_4_5_7_9	30.4921	-384.058	0.3940488	0	-0.038723	0	0.036267053
cov1_2_4_5_8_9	30.5	-384.062	0.3937428	0	-0.041169351	0	0.038226475
cov1_2_5_7_9_11	30.5355	-384.08	0.3953839	0	-0.029632187	0	0.0165772
cov3_6_7_8_9_11	30.5363	-384.08	0.3988048	0	0	0	0
cov1_2_5_8_9_11	30.5483	-384.086	0.395218	0	-0.031662797	0	0.016535489
cov2_4_5_7_9_11	30.5684	-384.096	0.3944035	0	0	0	0.015427754
cov1_4_5_7_9_11	30.5789	-384.101	0.3953177	0	-0.018508423	0	0
cov2_4_5_8_9_11	30.5834	-384.104	0.3941375	0	0	0	0.015638513
cov1_4_5_8_9_11	30.5881	-384.106	0.3950968	0	-0.020847792	0	0
cov1_2_4_8_9_11	30.6196	-384.122	0.3933485	0	-0.095470092	0	0.054852687
cov1_2_4_7_9_11	30.6419	-384.133	0.3935777	0	-0.094217796	0	0.054141155
cov3_4_6_8_10_11	30.6882	-384.156	0.3966861	0	0	0	0
cov1_2_6_9_10_11	30.7161	-384.17	0.3971708	0	-0.17080795	0	0.012584637
cov1_2_6_7_10_11	30.7182	-384.171	0.3971788	0	-0.1694091	0	0.012375206
cov1_2_6_8_10_11	30.7198	-384.172	0.3970189	0	-0.17102786	0	0.012356423
cov2_3_4_8_10_11	30.7199	-384.172	0.3965494	0	0	0	-0.006504456
cov3_4_8_9_10_11	30.7254	-384.175	0.3961741	0	0	0	0
cov1_2_6_7_9_10	30.7331	-384.178	0.3971001	0	-0.16429672	0	0.01337868
cov1_6_7_9_10_11	30.7406	-384.182	0.3973162	0	-0.1601363	0	0
cov1_6_8_9_10_11	30.7421	-384.183	0.3971586	0	-0.16176034	0	0
cov1_2_6_8_9_10	30.7429	-384.183	0.3969093	0	-0.16492877	0	0.013502966
cov1_4_8_9_10_11	30.7712	-384.197	0.3949496	0	-0.07085407	0	0
cov1_4_7_9_10_11	30.7851	-384.204	0.3951633	0	-0.069905689	0	0
cov2_3_4_6_8_10	30.7976	-384.211	0.3972106	0	0	0	-0.008398794
cov3_4_6_8_9_10	30.8066	-384.215	0.3967892	0	0	0	0
cov3_4_6_7_10_11	30.8428	-384.233	0.3965152	0	0	0	0
cov2_3_4_7_10_11	30.8685	-384.246	0.3962925	0	0	0	-0.003812655
cov3_4_7_9_10_11	30.8704	-384.247	0.3960739	0	0	0	0
cov3_7_8_9_10_11	30.8745	-384.249	0.3985572	0	0	0	0
cov2_3_4_8_9_10	30.9213	-384.272	0.396772	0	0	0	-0.019303772
cov1_2_6_7_9_11	30.9253	-384.274	0.3970969	0	-0.16781455	0	0.010833115
cov1_2_6_8_9_11	30.9276	-384.276	0.3969358	0	-0.16943252	0	0.010810235
cov2_3_4_6_7_10	30.9679	-384.296	0.3969436	0	0	0	-0.006487244
cov3_4_6_7_9_10	30.9732	-384.298	0.3966139	0	0	0	0
cov3_4_6_8_9_11	31.0188	-384.321	0.396308	0	0	0	0
cov2_3_4_8_9_11	31.046	-384.335	0.3962782	0	0	0	-0.008641787

cov2_3_4_6_10_11	31.0772	-384.35	0.3953811	0	0	0	0.00824722
cov2_3_4_7_9_10	31.0828	-384.353	0.3965137	0	0	0	-0.017033164
cov3_4_6_9_10_11	31.0858	-384.355	0.3957928	0	0	0	0
cov2_3_4_9_10_11	31.0891	-384.356	0.3952408	0	0	0	0.0056995
cov2_3_6_8_10_11	31.0949	-384.359	0.4005467	0	0	0	-0.041224634
cov2_3_4_6_8_9	31.1066	-384.365	0.3968917	0	0	0	-0.010101844
cov3_4_6_7_9_11	31.1601	-384.392	0.3961372	0	0	0	0
cov1_2_7_9_10_11	31.1767	-384.4	0.3971155	0	-0.11390576	0	0.013985326
cov1_2_8_9_10_11	31.1803	-384.402	0.3969372	0	-0.1155171	0	0.013965968
cov2_3_4_7_9_11	31.1831	-384.403	0.396019	0	0	0	-0.005895815
cov2_3_8_9_10_11	31.2023	-384.413	0.4005139	0	0	0	-0.05279405
cov2_3_6_8_9_10	31.2079	-384.416	0.4009811	0	0	0	-0.047175454
cov2_6_7_8_10_11	31.2281	-384.426	0.3959848	0	0	0	-0.033741686
cov2_3_4_6_9_10	31.2606	-384.442	0.3956759	0	0	0	0.001938974
cov2_3_4_6_7_9	31.2639	-384.444	0.3966221	0	0	0	-0.008133851
cov2_3_6_7_10_11	31.288	-384.456	0.4004506	0	0	0	-0.040719144
cov2_6_7_8_9_10	31.309	-384.466	0.3962773	0	0	0	-0.03879756
cov2_3_4_6_9_11	31.3551	-384.489	0.3952151	0	0	0	0.005430108
cov2_3_7_9_10_11	31.3858	-384.505	0.4004198	0	0	0	-0.051769352
cov2_7_8_9_10_11	31.396	-384.51	0.3959357	0	0	0	-0.048205107
cov2_3_6_8_9_11	31.4014	-384.513	0.4002032	0	0	0	-0.042408269
cov2_6_7_8_9_11	31.4017	-384.513	0.3958353	0	0	0	-0.034793637
cov2_4_6_7_10_11	31.4027	-384.513	0.3923721	0	0	0	0.021320748
cov2_4_6_8_10_11	31.4051	-384.514	0.3921449	0	0	0	0.021709466
cov2_4_6_9_10_11	31.4065	-384.515	0.3922239	0	0	0	0.021550447
cov2_4_7_9_10_11	31.4122	-384.518	0.3922497	0	0	0	0.018998124
cov2_4_8_9_10_11	31.416	-384.52	0.3920144	0	0	0	0.019214812
cov2_3_6_7_9_10	31.4167	-384.52	0.4009049	0	0	0	-0.047085718
cov4_6_7_9_10_11	31.4653	-384.544	0.3930882	0	0	0	0
cov4_6_8_9_10_11	31.47	-384.547	0.3928711	0	0	0	0
cov3_6_8_9_10_11	31.4736	-384.549	0.3999867	0	0	0	0
cov6_7_8_9_10_11	31.4831	-384.553	0.3956493	0	0	0	0
cov2_4_6_8_9_10	31.4939	-384.559	0.392482	0	0	0	0.016247697
cov2_4_6_7_9_10	31.5072	-384.565	0.3927421	0	0	0	0.015384572
cov2_3_6_7_9_11	31.582	-384.603	0.4001069	0	0	0	-0.041860567
cov1_3_5_6_7_8	31.6373	-384.63	0.4054352	0	-0.19526486	0	0
cov2_4_6_7_9_11	31.6489	-384.636	0.3923572	0	0	0	0.018017545
cov2_4_6_8_9_11	31.653	-384.638	0.3921286	0	0	0	0.018387897
cov3_6_7_9_10_11	31.6572	-384.64	0.3998985	0	0	0	0
cov2_3_6_9_10_11	31.684	-384.654	0.3997735	0	0	0	-0.036931371
cov1_3_5_7_8_11	31.7121	-384.668	0.4054995	0	-0.17459766	0	0
cov1_3_4_5_7_8	31.7191	-384.671	0.4045266	0	-0.16392586	0	0
cov1_3_6_7_8_11	31.7308	-384.677	0.4046485	0	-0.16619178	0	0
cov1_2_3_5_7_8	31.7646	-384.694	0.4052024	0	-0.16624632	0	0.005403112
cov1_2_3_6_7_8	31.766	-384.695	0.4044145	0	-0.16251376	0	0.006475675
cov1_3_4_6_7_8	31.7732	-384.698	0.4044708	0	-0.15783162	0	0
cov1_2_3_7_8_11	31.8418	-384.733	0.4044661	0	-0.14155246	0	0.006232671

cov1_3_4_7_8_11	31.8479	-384.736	0.404584	0	-0.13778196	0	0
cov1_2_3_4_7_8	31.8936	-384.759	0.404032	0	-0.13022063	0	0.009381923
cov1_2_4_6_7_8	31.9879	-384.806	0.4009712	0	-0.15500909	0	0.023102799
cov1_4_6_7_8_11	32.0107	-384.817	0.4014607	0	-0.15174002	0	0
cov1_4_5_6_7_8	32.0506	-384.837	0.4010005	0	-0.14743352	0	0
cov1_5_6_7_8_11	32.0582	-384.841	0.4019966	0	-0.15420812	0	0
cov1_2_6_7_8_11	32.0591	-384.841	0.4019179	0	-0.16659789	0	0.006930213
cov1_2_4_7_8_11	32.0762	-384.85	0.4010176	0	-0.13273541	0	0.022299982
cov1_2_4_5_7_8	32.0795	-384.852	0.3999182	0	-0.14229838	0	0.034515525
cov1_2_5_6_7_8	32.0909	-384.857	0.4017911	0	-0.15131122	0	0.008296332
cov1_4_5_7_8_11	32.1356	-384.88	0.4010992	0	-0.12513872	0	0
cov1_2_5_7_8_11	32.1696	-384.897	0.4018	0	-0.1298579	0	0.008062713
cov1_3_4_5_6_8	32.5284	-385.076	0.4055502	0	-0.21704353	0	0
cov1_3_5_6_8_11	32.5493	-385.086	0.4067086	0	-0.22376557	0	0
cov1_2_3_5_6_8	32.6023	-385.113	0.4064234	0	-0.21620051	0	0.003825025
cov2_6_7_9_10_11	32.6261	-385.125	0.3967116	0	0	0	-0.037284159
cov2_6_8_9_10_11	32.6686	-385.146	0.3965401	0	0	0	-0.037891513
cov1_3_4_5_6_7	32.6719	-385.148	0.4052736	0	-0.20887466	0	0
cov1_2_3_4_5_8	32.6749	-385.149	0.4044519	0	-0.19807301	0	0.030937412
cov1_3_4_5_8_11	32.6879	-385.156	0.4057403	0	-0.18758582	0	0
cov1_3_5_6_7_11	32.6927	-385.158	0.4063419	0	-0.2147785	0	0
cov1_2_3_5_6_7	32.7344	-385.179	0.4060884	0	-0.20853037	0	0.004374851
cov1_2_3_6_8_11	32.7388	-385.181	0.4055169	0	-0.18266703	0	0.005143612
cov1_3_4_6_8_11	32.7427	-385.183	0.4056339	0	-0.17989322	0	0
cov1_2_3_5_8_11	32.7513	-385.187	0.4065051	0	-0.18780767	0	0.003647555
cov1_2_3_4_6_8	32.7901	-385.207	0.4051379	0	-0.17344999	0	0.00764596
cov1_2_3_4_5_6	32.792	-385.208	0.4032728	0	-0.20079565	0	0.027394203
cov1_2_3_6_7_11	32.8215	-385.223	0.4053179	0	-0.18107254	0	0.005386994
cov1_3_4_6_7_11	32.8266	-385.225	0.4053252	0	-0.17684728	0	0
cov1_2_3_4_5_7	32.829	-385.226	0.4041793	0	-0.18823453	0	0.030110291
cov1_3_4_5_6_11	32.8474	-385.236	0.4042763	0	-0.18385055	0	0
cov1_3_4_5_7_11	32.8504	-385.237	0.4054173	0	-0.17719681	0	0
cov1_2_3_4_6_7	32.8596	-385.242	0.4047833	0	-0.17216026	0	0.00960296
cov1_2_3_5_6_11	32.8791	-385.251	0.4049689	0	-0.18715268	0	0.005400278
cov1_2_3_4_6_11	32.8848	-385.254	0.4041757	0	-0.17453541	0	0.012607328
cov1_2_3_5_7_11	32.902	-385.263	0.40611	0	-0.17806752	0	0.004376522
cov1_2_3_4_8_11	32.9427	-385.283	0.4053274	0	-0.14482684	0	0.006258455
cov1_2_4_5_6_11	32.9968	-385.31	0.4007099	0	-0.19761667	0	0.034894537
cov1_2_3_4_5_11	33.0036	-385.314	0.4032982	0	-0.1624878	0	0.026037461
cov1_2_3_4_7_11	33.0292	-385.326	0.4049245	0	-0.14193016	0	0.008482964
cov1_2_4_5_6_7	33.0332	-385.328	0.4006108	0	-0.18822748	0	0.035491723
cov1_2_4_5_6_8	33.0436	-385.334	0.4003124	0	-0.19102768	0	0.037300965
cov1_2_4_6_7_11	33.0504	-385.337	0.401765	0	-0.17317482	0	0.022604146
cov1_2_4_6_8_11	33.0618	-385.343	0.4015863	0	-0.17470746	0	0.023087383
cov1_4_5_6_7_11	33.1093	-385.366	0.4018082	0	-0.16695244	0	0
cov1_4_5_6_8_11	33.1203	-385.372	0.4015848	0	-0.169363	0	0
cov1_2_5_6_7_11	33.1591	-385.391	0.4026343	0	-0.16929261	0	0.007252096

cov1_2_5_6_8_11	33.1803	-385.402	0.4024744	0	-0.1714742	0	0.007198756
cov1_2_4_5_7_11	33.229	-385.426	0.4007316	0	-0.15306484	0	0.033686162
cov1_2_4_5_8_11	33.2306	-385.427	0.4004472	0	-0.15680602	0	0.035384004
cov2_4_5_6_7_8	33.3076	-385.466	0.4029671	0	0	0	-0.03385287
cov2_5_6_7_8_11	33.3102	-385.467	0.4023801	0	0	0	-0.026359543
cov2_3_5_6_7_8	33.3146	-385.469	0.4030436	0	0	0	-0.030028509
cov2_4_5_7_8_11	33.4351	-385.529	0.4034559	0	0	0	-0.045336008
cov4_5_6_7_8_11	33.4386	-385.531	0.4020793	0	0	0	0
cov3_5_6_7_8_11	33.4529	-385.538	0.4025235	0	0	0	0
cov3_4_5_6_7_8	33.4785	-385.551	0.4021937	0	0	0	0
cov2_3_5_7_8_11	33.4793	-385.551	0.4026002	0	0	0	-0.036300859
cov2_3_4_5_7_8	33.4806	-385.552	0.4039347	0	0	0	-0.052208439
cov2_3_6_7_8_11	33.6329	-385.628	0.4041827	0	0	0	-0.044154405
cov2_3_4_6_7_8	33.6389	-385.631	0.4032049	0	0	0	-0.034632494
cov2_4_6_7_8_11	33.6813	-385.652	0.4008393	0	0	0	-0.019896253
cov3_4_6_7_8_11	33.6975	-385.661	0.4017409	0	0	0	0
cov3_4_5_7_8_11	33.7352	-385.679	0.4014919	0	0	0	0
cov2_3_4_7_8_11	34.184	-385.904	0.4024079	0	0	0	-0.050976915
cov2_4_5_6_7_11	34.5662	-386.095	0.4035599	0	0	0	-0.034798928
cov2_3_4_5_6_7	34.5679	-386.096	0.4044384	0	0	0	-0.040601975
cov2_3_5_6_7_11	34.5756	-386.1	0.4035374	0	0	0	-0.030165306
cov2_3_4_5_6_11	34.5828	-386.103	0.4047782	0	0	0	-0.041546769
cov2_3_4_5_6_8	34.5951	-386.109	0.4048251	0	0	0	-0.043074797
cov2_3_5_6_8_11	34.6067	-386.115	0.4039232	0	0	0	-0.03266214
cov2_4_5_6_8_11	34.6317	-386.128	0.4033316	0	0	0	-0.034528779
cov2_3_4_5_7_11	34.6382	-386.131	0.4042962	0	0	0	-0.046322942
cov2_3_4_5_8_11	34.6941	-386.159	0.4046957	0	0	0	-0.050102042
cov3_4_5_6_7_11	34.7355	-386.18	0.4026656	0	0	0	0
cov3_4_5_6_8_11	34.7925	-386.208	0.402965	0	0	0	0
cov2_3_4_6_8_11	34.9011	-386.262	0.4040151	0	0	0	-0.035615928
cov2_3_4_6_7_11	34.9215	-386.273	0.4035668	0	0	0	-0.032544655
cov1_3_5_6_7_8_10	35.0437	-382.819	0.3987169	0	-0.10884966	0	0
cov1_3_4_6_7_8_10	35.1079	-382.851	0.3990639	0	-0.13733897	0	0
cov1_2_3_6_7_8_10	35.1639	-382.879	0.400264	0	-0.160217	0	0.011176896
cov1_3_6_7_8_10_11	35.1713	-382.883	0.4004929	0	-0.1564154	0	0
cov1_3_6_7_8_9_10	35.1757	-382.885	0.4004673	0	-0.15167456	0	0
cov1_2_3_4_7_8_10	35.3812	-382.988	0.3975347	0	-0.096810871	0	0.035669677
cov1_2_3_5_7_8_10	35.4223	-383.008	0.398396	0	-0.065898933	0	0.015416624
cov1_3_5_6_7_8_9	35.4226	-383.009	0.3985331	0	-0.11162443	0	0
cov1_3_5_7_8_10_11	35.4345	-383.015	0.3988211	0	-0.064379362	0	0
cov1_3_5_7_8_9_10	35.4532	-383.024	0.3987486	0	-0.05649963	0	0
cov1_3_4_6_7_8_9	35.457	-383.026	0.3987071	0	-0.13548486	0	0
cov1_3_4_5_7_8_10	35.4614	-383.028	0.3984748	0	-0.055830777	0	0
cov1_3_4_7_8_10_11	35.4933	-383.044	0.3992387	0	-0.091385533	0	0
cov1_3_4_7_8_9_10	35.5149	-383.055	0.3991882	0	-0.083287399	0	0
cov1_3_6_7_8_9_11	35.5156	-383.055	0.4001798	0	-0.15549414	0	0
cov1_2_3_6_7_8_9	35.5196	-383.057	0.3999485	0	-0.15704533	0	0.009415818

cov1_2_3_7_8_10_11	35.5252	-383.06	0.4001848	0	-0.11379196	0	0.011800969
cov1_3_7_8_9_10_11	35.5367	-383.066	0.4004364	0	-0.10505624	0	0
cov1_2_3_7_8_9_10	35.5372	-383.066	0.4001354	0	-0.10723192	0	0.013075023
cov1_2_5_6_7_8_10	35.5564	-383.075	0.394593	0	-0.06783742	0	0.01823046
cov3_5_6_7_8_10_11	35.5584	-383.076	0.3960139	0	0	0	0
cov2_3_5_6_7_8_10	35.5672	-383.081	0.3961503	0	0	0	-0.003967288
cov3_5_6_7_8_9_10	35.5691	-383.082	0.3960787	0	0	0	0
cov3_4_5_6_7_8_10	35.5702	-383.082	0.3960552	0	0	0	0
cov1_5_6_7_8_10_11	35.6014	-383.098	0.3948421	0	-0.059797282	0	0
cov1_4_5_6_7_8_10	35.6111	-383.103	0.3945231	0	-0.05538152	0	0
cov1_5_6_7_8_9_10	35.6126	-383.104	0.3947426	0	-0.05474229	0	0
cov3_5_7_8_9_10_11	35.6546	-383.125	0.3967867	0	0	0	0
cov2_3_5_7_8_9_10	35.6548	-383.125	0.3967343	0	0	0	0.001098962
cov3_4_5_7_8_9_10	35.6551	-383.125	0.3967849	0	0	0	0
cov2_3_5_7_8_10_11	35.6576	-383.126	0.3966664	0	0	0	0.001480619
cov2_3_4_5_7_8_10	35.6579	-383.126	0.39662	0	0	0	0.001577605
cov3_4_5_7_8_10_11	35.658	-383.126	0.3967219	0	0	0	0
cov1_2_4_6_7_8_10	35.7245	-383.16	0.3925879	0	-0.14122668	0	0.059200131
cov1_2_3_4_7_8_9	35.7395	-383.167	0.3973372	0	-0.094788152	0	0.032959749
cov2_4_5_6_7_8_10	35.7794	-383.187	0.3938547	0	0	0	0.00666815
cov2_5_6_7_8_10_11	35.7802	-383.187	0.3940195	0	0	0	0.004860978
cov2_5_6_7_8_9_10	35.7815	-383.188	0.394092	0	0	0	0.004289043
cov5_6_7_8_9_10_11	35.7843	-383.189	0.3941263	0	0	0	0
cov4_5_6_7_8_10_11	35.7848	-383.19	0.3940719	0	0	0	0
cov4_5_6_7_8_9_10	35.7852	-383.19	0.3941251	0	0	0	0
cov1_3_5_7_8_9_11	35.7917	-383.193	0.3986904	0	-0.069240464	0	0
cov1_2_3_5_7_8_9	35.7971	-383.196	0.3982875	0	-0.068421091	0	0.013259375
cov1_3_4_5_7_8_9	35.8219	-383.208	0.3982514	0	-0.060097202	0	0
cov1_3_4_7_8_9_11	35.8239	-383.209	0.3989336	0	-0.091353816	0	0
cov1_2_3_7_8_9_11	35.863	-383.229	0.3999232	0	-0.11246083	0	0.009988334
cov1_2_3_4_6_8_10	35.8865	-383.241	0.3984114	0	-0.16351146	0	0.035393244
cov1_2_5_6_7_8_9	35.9012	-383.248	0.3945805	0	-0.070843955	0	0.015910841
cov1_2_4_5_7_8_10	35.9017	-383.248	0.393419	0	-0.032681052	0	0.036748361
cov1_5_6_7_8_9_11	35.9272	-383.261	0.394823	0	-0.065268413	0	0
cov1_4_5_6_7_8_9	35.9376	-383.266	0.3943956	0	-0.060368944	0	0
cov1_2_5_7_8_10_11	35.9458	-383.27	0.3946298	0	-0.023283307	0	0.018701224
cov2_4_5_7_8_10_11	35.9573	-383.276	0.3937337	0	0	0	0.019376225
cov2_4_5_7_8_9_10	35.9581	-383.276	0.3937098	0	0	0	0.020913606
cov1_2_5_7_8_9_10	35.9646	-383.28	0.3945208	0	-0.016330666	0	0.01980259
cov3_5_6_7_8_9_11	35.9656	-383.28	0.3957145	0	0	0	0
cov2_3_5_6_7_8_9	35.9658	-383.28	0.3959098	0	0	0	-0.006444086
cov1_2_3_5_6_8_10	35.9696	-383.282	0.3996103	0	-0.13581094	0	0.013535268
cov3_4_5_6_7_8_9	35.9733	-383.284	0.3956577	0	0	0	0
cov2_5_7_8_9_10_11	35.9761	-383.285	0.39441	0	0	0	0.012884211
cov1_3_5_6_8_10_11	35.9828	-383.289	0.399963	0	-0.13307716	0	0
cov1_3_4_5_6_8_10	35.9901	-383.292	0.3994865	0	-0.12861425	0	0
cov1_3_5_6_8_9_10	35.9934	-383.294	0.3999013	0	-0.12769841	0	0

cov1_5_7_8_9_10_11	36.0031	-383.299	0.394847	0	-0.010450737	0	0
cov1_4_5_7_8_10_11	36.0055	-383.3	0.3946855	0	-0.010456929	0	0
cov1_2_4_6_7_8_9	36.0074	-383.301	0.3926239	0	-0.13902284	0	0.055494759
cov1_3_4_6_8_10_11	36.0076	-383.301	0.4000716	0	-0.15493054	0	0
cov4_5_7_8_9_10_11	36.0108	-383.303	0.3946041	0	0	0	0
cov1_3_4_6_8_9_10	36.0211	-383.308	0.4000198	0	-0.14932577	0	0
cov1_4_5_7_8_9_10	36.0325	-383.314	0.3945636	0	-0.001384546	0	0
cov2_3_4_5_7_8_9	36.0481	-383.321	0.3963385	0	0	0	-0.000687566
cov3_4_5_7_8_9_11	36.0481	-383.321	0.3963024	0	0	0	0
cov2_3_5_7_8_9_11	36.0484	-383.321	0.3964343	0	0	0	-0.001491849
cov1_2_3_6_8_10_11	36.0607	-383.328	0.4012028	0	-0.17606991	0	0.010396795
cov1_2_3_6_8_9_10	36.0666	-383.331	0.4011616	0	-0.17162704	0	0.011436732
cov1_3_6_8_9_10_11	36.0694	-383.332	0.4014124	0	-0.16846436	0	0
cov1_2_3_4_6_7_10	36.0729	-383.334	0.3982033	0	-0.16302137	0	0.036882252
cov1_2_4_7_8_10_11	36.1194	-383.357	0.39282	0	-0.093289658	0	0.057306546
cov1_2_3_5_6_7_10	36.133	-383.364	0.3992726	0	-0.12865782	0	0.014038008
cov1_4_6_7_8_10_11	36.1356	-383.365	0.3943196	0	-0.11851644	0	0
cov1_2_4_7_8_9_10	36.138	-383.366	0.3927074	0	-0.08662003	0	0.058634362
cov2_4_5_6_7_8_9	36.1434	-383.369	0.3937698	0	0	0	0.003816447
cov4_5_6_7_8_9_11	36.145	-383.37	0.3938892	0	0	0	0
cov2_5_6_7_8_9_11	36.1459	-383.37	0.3939721	0	0	0	0.001564111
cov1_3_5_6_7_10_11	36.1543	-383.374	0.3995982	0	-0.12460455	0	0
cov1_4_6_7_8_9_10	36.1571	-383.376	0.394184	0	-0.11215351	0	0
cov1_3_4_5_6_7_10	36.1596	-383.377	0.399204	0	-0.12086646	0	0
cov1_3_5_6_7_9_10	36.1601	-383.377	0.3995607	0	-0.12020426	0	0
cov1_3_4_6_7_10_11	36.212	-383.403	0.3999048	0	-0.15304193	0	0
cov1_3_4_6_7_9_10	36.2203	-383.407	0.3998754	0	-0.14826309	0	0
cov1_2_4_5_7_8_9	36.2272	-383.411	0.3933855	0	-0.037435212	0	0.035403675
cov1_2_3_4_6_8_9	36.2699	-383.432	0.3981882	0	-0.16049553	0	0.032570898
cov1_2_5_7_8_9_11	36.2714	-383.433	0.3946659	0	-0.028172249	0	0.0163422
cov1_2_3_6_7_10_11	36.2761	-383.435	0.4011414	0	-0.17537523	0	0.010532799
cov1_2_3_6_7_9_10	36.2773	-383.436	0.4011269	0	-0.17170318	0	0.011454498
cov1_3_6_7_9_10_11	36.2856	-383.44	0.4013493	0	-0.16766606	0	0
cov2_4_5_7_8_9_11	36.2997	-383.447	0.3937107	0	0	0	0.015477446
cov1_4_5_7_8_9_11	36.314	-383.454	0.3946066	0	-0.017178017	0	0
cov1_2_3_4_5_6_10	36.3561	-383.475	0.3968334	0	-0.10920005	0	0.028807673
cov1_3_4_6_8_9_11	36.3631	-383.479	0.3997428	0	-0.15398001	0	0
cov1_4_6_7_8_9_11	36.3632	-383.479	0.3942419	0	-0.11876501	0	0
cov1_3_5_6_8_9_11	36.3633	-383.479	0.3998168	0	-0.13695862	0	0
cov1_2_3_5_6_8_9	36.3661	-383.48	0.3994765	0	-0.13735631	0	0.011308428
cov1_3_4_5_6_8_9	36.3697	-383.482	0.3992312	0	-0.13201799	0	0
cov1_2_4_7_8_9_11	36.3865	-383.491	0.3928971	0	-0.092774641	0	0.053596062
cov1_2_3_5_6_9_10	36.3894	-383.492	0.3978444	0	-0.09872803	0	0.016143832
cov1_2_3_5_6_10_11	36.3943	-383.494	0.3977523	0	-0.098317222	0	0.015914277
cov1_2_3_6_8_9_11	36.4228	-383.509	0.4009172	0	-0.17376647	0	0.008501573
cov1_2_3_4_8_10_11	36.4337	-383.514	0.398733	0	-0.10767965	0	0.033130134
cov1_3_5_6_9_10_11	36.4343	-383.514	0.3979938	0	-0.087997869	0	0

cov1_3_4_5_6_9_10	36.4347	-383.515	0.397953	0	-0.087365179	0	0
cov1_3_4_5_6_10_11	36.4381	-383.516	0.3978745	0	-0.087666183	0	0
cov1_2_3_4_6_7_9	36.4435	-383.519	0.3979741	0	-0.15997209	0	0.034113367
cov1_2_3_4_8_9_10	36.4556	-383.525	0.3986302	0	-0.099900055	0	0.034647015
cov1_2_3_4_5_8_10	36.4673	-383.531	0.3984156	0	-0.09247599	0	0.032734776
cov1_2_3_5_8_10_11	36.5008	-383.548	0.3997763	0	-0.085195138	0	0.013968685
cov1_4_7_8_9_10_11	36.5203	-383.557	0.394462	0	-0.068693988	0	0
cov1_2_3_5_6_7_9	36.5213	-383.558	0.3991295	0	-0.13006524	0	0.011828139
cov1_3_5_8_9_10_11	36.523	-383.559	0.4001391	0	-0.077451567	0	0
cov1_2_3_5_8_9_10	36.5246	-383.56	0.3996806	0	-0.07721642	0	0.015389905
cov3_4_6_7_8_10_11	36.5264	-383.56	0.3960476	0	0	0	0
cov1_3_5_6_7_9_11	36.5275	-383.561	0.3994436	0	-0.1283403	0	0
cov1_3_4_5_8_10_11	36.5283	-383.561	0.3997869	0	-0.077445445	0	0
cov1_3_4_5_6_7_9	36.5319	-383.563	0.398941	0	-0.12413207	0	0
cov1_2_3_4_6_9_10	36.5372	-383.566	0.3967449	0	-0.15499803	0	0.045281008
cov1_2_3_4_6_10_11	36.5415	-383.568	0.3966005	0	-0.15320019	0	0.045368663
cov1_3_4_8_9_10_11	36.546	-383.57	0.4003177	0	-0.096455224	0	0
cov1_3_4_6_7_9_11	36.5551	-383.575	0.3995718	0	-0.15201969	0	0
cov1_3_4_5_8_9_10	36.561	-383.578	0.3996969	0	-0.067352289	0	0
cov1_2_3_8_9_10_11	36.5645	-383.58	0.4011528	0	-0.11781878	0	0.012200414
cov2_3_4_7_8_10_11	36.5855	-383.59	0.3956074	0	0	0	-0.003640366
cov3_4_7_8_9_10_11	36.5872	-383.591	0.3953953	0	0	0	0
cov1_2_4_5_6_10_11	36.5935	-383.594	0.3941605	0	-0.1030007	0	0.037576472
cov1_2_6_7_8_10_11	36.5963	-383.595	0.3964781	0	-0.1584898	0	0.012405613
cov1_2_4_5_6_9_10	36.6011	-383.598	0.3939982	0	-0.10017432	0	0.038928409
cov1_2_4_5_6_8_10	36.6015	-383.598	0.3937825	0	-0.1010832	0	0.039743776
cov1_2_4_5_6_7_10	36.6019	-383.598	0.3940693	0	-0.098467102	0	0.037930617
cov1_2_6_7_8_9_10	36.6104	-383.603	0.3964043	0	-0.15350436	0	0.013384912
cov1_6_7_8_9_10_11	36.619	-383.607	0.3966151	0	-0.14919	0	0
cov1_2_3_6_7_9_11	36.626	-383.61	0.4008535	0	-0.17303706	0	0.008671886
cov2_3_4_6_7_8_10	36.6319	-383.613	0.3963341	0	0	0	-0.004023067
cov3_4_6_7_8_9_10	36.634	-383.614	0.396138	0	0	0	0
cov1_2_3_4_7_10_11	36.6368	-383.616	0.3984701	0	-0.10549097	0	0.034904798
cov1_2_3_4_5_7_10	36.6509	-383.623	0.3981323	0	-0.08286123	0	0.031883714
cov1_2_3_4_7_9_10	36.6511	-383.623	0.3983981	0	-0.098786489	0	0.03625438
cov1_2_5_6_7_10_11	36.6817	-383.638	0.3954128	0	-0.082083286	0	0.017698816
cov1_2_3_5_7_10_11	36.6825	-383.639	0.3993709	0	-0.075689254	0	0.01467096
cov1_2_5_6_7_9_10	36.6887	-383.642	0.3953418	0	-0.078284015	0	0.018414607
cov1_2_5_6_9_10_11	36.6892	-383.642	0.3953132	0	-0.08461639	0	0.017806678
cov1_2_5_6_8_10_11	36.6917	-383.643	0.3952635	0	-0.084085925	0	0.017658833
cov1_2_3_5_7_9_10	36.6984	-383.646	0.3993005	0	-0.068773036	0	0.015974071
cov2_3_5_6_8_10_11	36.7043	-383.649	0.3968679	0	0	0	-0.006275341
cov1_2_5_6_8_9_10	36.7047	-383.65	0.3951564	0	-0.079154483	0	0.018531831
cov1_2_3_4_5_6_9	36.7072	-383.651	0.3966721	0	-0.11314539	0	0.027794859
cov1_3_5_7_9_10_11	36.7092	-383.652	0.3997375	0	-0.067470544	0	0
cov3_5_6_8_9_10_11	36.7103	-383.652	0.3967329	0	0	0	0
cov2_3_4_5_6_8_10	36.7111	-383.653	0.3972474	0	0	0	-0.010759883



cov3_4_5_6_8_10_11	36.7116	-383.653	0.3966578	0	0	0
cov2_3_5_6_8_9_10	36.7142	-383.654	0.3969683	0	0	-0.007479115
cov1_3_4_5_7_10_11	36.7164	-383.655	0.3994431	0	-0.067194328	0
cov3_4_5_6_8_9_10	36.725	-383.66	0.3967314	0	0	0
cov1_4_5_6_7_10_11	36.7309	-383.663	0.3953302	0	-0.071129687	0
cov1_5_6_7_9_10_11	36.7343	-383.664	0.3955812	0	-0.070128476	0
cov1_4_5_6_9_10_11	36.7361	-383.665	0.3952097	0	-0.073372663	0
cov1_4_5_6_8_10_11	36.7375	-383.666	0.3951274	0	-0.073475544	0
cov1_3_4_5_7_9_10	36.7401	-383.667	0.3993772	0	-0.058330119	0
cov1_4_5_6_7_9_10	36.7434	-383.669	0.3952284	0	-0.065740566	0
cov1_5_6_8_9_10_11	36.7441	-383.669	0.3954311	0	-0.072159369	0
cov1_2_3_5_6_9_11	36.7519	-383.673	0.3977019	0	-0.10213534	0.013522735
cov1_4_5_6_8_9_10	36.7572	-383.676	0.3949961	0	-0.066847292	0
cov1_3_4_7_9_10_11	36.7634	-383.679	0.4001334	0	-0.093621569	0
cov1_3_4_6_9_10_11	36.7748	-383.685	0.3985017	0	-0.13457824	0
cov1_3_4_5_6_9_11	36.7817	-383.688	0.3976806	0	-0.093200102	0
cov2_3_5_6_7_10_11	36.7825	-383.689	0.3966049	0	0	-0.00429874
cov3_5_6_7_9_10_11	36.7848	-383.69	0.3965252	0	0	0
cov3_4_5_6_7_10_11	36.786	-383.69	0.396496	0	0	0
cov1_2_3_7_9_10_11	36.7909	-383.693	0.4010767	0	-0.11634486	0.012356536
cov2_3_4_5_6_7_10	36.7919	-383.693	0.3969893	0	0	-0.008902282
cov1_2_3_4_8_9_11	36.7945	-383.695	0.3985719	0	-0.1066683	0.030248497
cov2_3_5_6_7_9_10	36.7951	-383.695	0.3967082	0	0	-0.005639634
cov3_4_5_6_7_9_10	36.8012	-383.698	0.3965657	0	0	0
cov1_2_6_7_8_9_11	36.8052	-383.7	0.3963916	0	-0.15689083	0.010854415
cov2_3_4_7_8_9_10	36.807	-383.701	0.3958259	0	0	-0.017060293
cov1_2_4_6_8_10_11	36.8132	-383.704	0.3931332	0	-0.15687464	0.059821512
cov2_3_4_5_6_10_11	36.8242	-383.709	0.3964117	0	0	-0.003611124
cov3_4_5_6_9_10_11	36.8247	-383.71	0.3962784	0	0	0
cov2_3_5_6_9_10_11	36.8253	-383.71	0.3962165	0	0	-0.001146445
cov1_2_4_6_8_9_10	36.8254	-383.71	0.3930229	0	-0.15236754	0.060892971
cov1_2_3_4_5_8_9	36.8389	-383.717	0.3982656	0	-0.09611952	0.031609093
cov1_2_4_6_7_10_11	36.8394	-383.717	0.3933433	0	-0.15563511	0.05914671
cov2_3_4_5_6_9_10	36.8394	-383.717	0.3965793	0	0	-0.005780397
cov1_2_4_6_9_10_11	36.8451	-383.72	0.3936125	0	-0.15456328	0.058578756
cov2_3_5_8_9_10_11	36.8457	-383.72	0.3976397	0	0	-0.001196408
cov3_4_5_8_9_10_11	36.8458	-383.72	0.3975588	0	0	0
cov2_3_4_5_8_9_10	36.8459	-383.72	0.3976231	0	0	-0.001266763
cov1_2_4_6_7_9_10	36.846	-383.72	0.3932698	0	-0.15208968	0.060022071
cov1_2_3_4_6_9_11	36.8461	-383.72	0.3965118	0	-0.15205134	0.04211004
cov3_4_6_7_8_9_11	36.8463	-383.72	0.3956694	0	0	0
cov2_3_4_5_8_10_11	36.8494	-383.722	0.3975312	0	0	-0.000844888
cov1_2_3_5_8_9_11	36.8719	-383.733	0.3997058	0	-0.088888177	0.011704979
cov1_3_4_5_8_9_11	36.8837	-383.739	0.3995957	0	-0.08286089	0
cov2_3_4_7_8_9_11	36.9028	-383.749	0.3953273	0	0	-0.00572833
cov1_2_7_8_9_10_11	36.9086	-383.752	0.3964071	0	-0.11232714	0.01376637
cov1_2_3_4_5_9_10	36.9167	-383.756	0.397029	0	-0.048935508	0.028764987

cov1_2_3_4_5_10_11	36.9201	-383.757	0.3969766	0	-0.050518648	0	0.028025466
cov1_2_4_5_6_9_11	36.9245	-383.76	0.3941299	0	-0.10770344	0	0.035984336
cov1_2_3_6_9_10_11	36.9255	-383.76	0.4003123	0	-0.162924	0	0.011800936
cov2_3_4_6_7_8_9	36.9335	-383.764	0.3960162	0	0	0	-0.005692368
cov1_2_4_5_6_7_9	36.9376	-383.766	0.3940071	0	-0.10235452	0	0.03651853
cov1_2_4_5_6_8_9	36.9381	-383.766	0.3937226	0	-0.10497869	0	0.038329533
cov2_3_6_7_8_10_11	36.9381	-383.766	0.3997108	0	0	0	-0.037162198
cov1_2_3_5_9_10_11	36.9391	-383.767	0.3978627	0	-0.042800754	0	0.017335287
cov2_3_5_7_9_10_11	36.9523	-383.773	0.3974464	0	0	0	0.001296149
cov2_3_4_5_7_9_10	36.9524	-383.773	0.3973969	0	0	0	0.001501429
cov3_4_5_7_9_10_11	36.9526	-383.774	0.3974937	0	0	0	0
cov2_3_4_5_7_10_11	36.9559	-383.775	0.3972971	0	0	0	0.002013498
cov2_4_5_6_7_10_11	36.9841	-383.789	0.3944449	0	0	0	0.00502483
cov1_2_3_4_7_9_11	36.9852	-383.79	0.3983049	0	-0.10448027	0	0.032082029
cov2_5_6_7_9_10_11	36.9852	-383.79	0.394647	0	0	0	0.003051367
cov4_5_6_7_9_10_11	36.987	-383.791	0.3946673	0	0	0	0
cov2_4_5_6_7_9_10	36.988	-383.791	0.3945795	0	0	0	0.003645497
cov1_3_4_5_9_10_11	36.9905	-383.793	0.3981149	0	-0.030555467	0	0
cov2_4_5_6_8_10_11	37.0079	-383.801	0.3941977	0	0	0	0.005496702
cov2_4_5_6_8_9_10	37.0095	-383.802	0.3942953	0	0	0	0.004565337
cov2_5_6_8_9_10_11	37.0109	-383.803	0.3944749	0	0	0	0.002621709
cov4_5_6_8_9_10_11	37.0115	-383.803	0.3944354	0	0	0	0
cov2_4_5_6_9_10_11	37.0127	-383.804	0.3940326	0	0	0	0.005879429
cov1_2_3_4_5_7_9	37.0147	-383.805	0.3979748	0	-0.086384696	0	0.03075923
cov1_2_5_6_7_9_11	37.0205	-383.808	0.3954289	0	-0.086032744	0	0.015266942
cov1_2_5_6_8_9_11	37.0309	-383.813	0.3952788	0	-0.088034087	0	0.015225363
cov1_2_3_5_7_9_11	37.0462	-383.82	0.3992939	0	-0.079279487	0	0.012422911
cov2_3_6_7_8_9_10	37.0467	-383.821	0.4001292	0	0	0	-0.042983563
cov2_3_4_5_9_10_11	37.0479	-383.821	0.3967834	0	0	0	0.008384787
cov1_4_5_6_7_9_11	37.0506	-383.823	0.3952262	0	-0.077050014	0	0
cov1_4_5_6_8_9_11	37.0564	-383.825	0.3950232	0	-0.079378916	0	0
cov1_3_4_5_7_9_11	37.0653	-383.83	0.3992462	0	-0.072503595	0	0
cov1_2_3_4_9_10_11	37.0811	-383.838	0.3969303	0	-0.094345823	0	0.04404772
cov2_4_6_7_8_10_11	37.0915	-383.843	0.3917929	0	0	0	0.023366515
cov2_3_7_8_9_10_11	37.0929	-383.844	0.3996809	0	0	0	-0.051087795
cov1_2_4_6_8_9_11	37.0932	-383.844	0.393197	0	-0.15546936	0	0.055980921
cov1_2_4_6_7_9_11	37.1173	-383.856	0.3933998	0	-0.15422691	0	0.055320408
cov2_3_5_6_8_9_11	37.1178	-383.856	0.3966491	0	0	0	-0.009093956
cov2_3_4_5_6_8_9	37.1217	-383.858	0.3969457	0	0	0	-0.012631741
cov2_4_7_8_9_10_11	37.1244	-383.859	0.3915842	0	0	0	0.019059043
cov3_4_5_6_8_9_11	37.1318	-383.863	0.3962719	0	0	0	0
cov4_6_7_8_9_10_11	37.1669	-383.881	0.392581	0	0	0	0
cov1_2_4_5_9_10_11	37.1682	-383.881	0.3942967	0	-0.043986358	0	0.037250286
cov1_2_4_5_8_10_11	37.169	-383.882	0.3940292	0	-0.045745328	0	0.038181475
cov1_2_4_5_7_10_11	37.172	-383.883	0.3943003	0	-0.041967846	0	0.036430354
cov2_4_6_7_8_9_10	37.1787	-383.887	0.3921269	0	0	0	0.017966915
cov2_3_5_6_7_9_11	37.1864	-383.89	0.3963825	0	0	0	-0.007069405

cov2_3_4_5_6_7_9	37.1924	-383.893	0.3966836	0	0	0	-0.010729008
cov1_2_4_5_7_9_10	37.1933	-383.894	0.3941726	0	-0.034756257	0	0.037776937
cov3_4_5_6_7_9_11	37.1952	-383.895	0.3961058	0	0	0	0
cov1_2_4_5_8_9_10	37.2003	-383.897	0.3938633	0	-0.037199306	0	0.039740001
cov2_3_4_5_6_9_11	37.2155	-383.905	0.3962129	0	0	0	-0.006366253
cov2_3_6_7_8_9_11	37.2365	-383.916	0.3993658	0	0	0	-0.038313518
cov1_2_5_7_9_10_11	37.2375	-383.916	0.395432	0	-0.025426346	0	0.019124513
cov3_6_7_8_9_10_11	37.2448	-383.92	0.3992066	0	0	0	0
cov2_3_4_5_8_9_11	37.2483	-383.921	0.3972749	0	0	0	-0.003559895
cov1_2_5_8_9_10_11	37.2499	-383.922	0.3952638	0	-0.0274568	0	0.019082299
cov1_4_6_8_9_10_11	37.2516	-383.923	0.3948168	0	-0.13000398	0	0
cov1_2_3_4_5_9_11	37.2539	-383.924	0.3968791	0	-0.056201803	0	0.02687506
cov2_4_5_7_9_10_11	37.2551	-383.925	0.394487	0	0	0	0.019255528
cov1_4_6_7_9_10_11	37.2678	-383.931	0.3950124	0	-0.1290181	0	0
cov2_4_5_8_9_10_11	37.2687	-383.932	0.3942241	0	0	0	0.019471948
cov1_4_5_7_9_10_11	37.2996	-383.947	0.3954692	0	-0.012229259	0	0
cov1_4_5_8_9_10_11	37.3098	-383.952	0.3952509	0	-0.014594513	0	0
cov2_4_6_7_8_9_11	37.3409	-383.968	0.3917798	0	0	0	0.020043801
cov2_3_4_5_7_9_11	37.3437	-383.969	0.397041	0	0	0	-0.000657365
cov2_4_5_6_7_9_11	37.3523	-383.973	0.3943918	0	0	0	0.001785612
cov1_2_4_8_9_10_11	37.3769	-383.986	0.3933566	0	-0.096586475	0	0.058719534
cov2_4_5_6_8_9_11	37.3772	-383.986	0.3941448	0	0	0	0.002251041
cov1_2_4_7_9_10_11	37.4012	-383.998	0.3935881	0	-0.095331079	0	0.057993687
cov1_2_4_5_8_9_11	37.4835	-384.039	0.3940237	0	-0.051415979	0	0.03671206
cov1_2_4_5_7_9_11	37.4868	-384.041	0.3942936	0	-0.047654773	0	0.034964882
cov2_3_4_6_8_10_11	37.7164	-384.155	0.3968233	0	0	0	-0.002696386
cov3_4_6_8_9_10_11	37.7169	-384.156	0.3967146	0	0	0	0
cov1_2_6_7_9_10_11	37.7421	-384.168	0.3972641	0	-0.16983057	0	0.012597076
cov1_2_6_8_9_10_11	37.7437	-384.169	0.397103	0	-0.17144576	0	0.012576166
cov2_3_4_8_9_10_11	37.7489	-384.172	0.3965561	0	0	0	-0.006514562
cov2_3_4_6_8_9_10	37.8266	-384.211	0.3972179	0	0	0	-0.008404785
cov3_4_6_7_9_10_11	37.8716	-384.233	0.3965428	0	0	0	0
cov2_3_4_6_7_10_11	37.8719	-384.233	0.3965369	0	0	0	-0.000406176
cov2_3_4_7_9_10_11	37.8976	-384.246	0.396299	0	0	0	-0.003823032
cov2_3_4_6_7_9_10	37.9969	-384.296	0.3969468	0	0	0	-0.006489615
cov2_3_4_6_8_9_11	38.0448	-384.32	0.3965621	0	0	0	-0.004990741
cov2_3_4_6_9_10_11	38.1062	-384.35	0.3953987	0	0	0	0.008247608
cov2_3_6_8_9_10_11	38.1226	-384.359	0.4005956	0	0	0	-0.041176959
cov2_3_4_6_7_9_11	38.1883	-384.391	0.3962716	0	0	0	-0.002639732
cov2_6_7_8_9_10_11	38.257	-384.426	0.3959978	0	0	0	-0.033727385
cov2_3_6_7_9_10_11	38.3158	-384.455	0.4004982	0	0	0	-0.040673729
cov2_4_6_7_9_10_11	38.4317	-384.513	0.3923635	0	0	0	0.021318347
cov2_4_6_8_9_10_11	38.4341	-384.514	0.3921343	0	0	0	0.021703124
cov1_3_4_5_6_7_8	38.6048	-384.6	0.4046445	0	-0.19858078	0	0
cov1_3_5_6_7_8_11	38.6226	-384.609	0.4056707	0	-0.20447648	0	0
cov1_2_3_5_6_7_8	38.6631	-384.629	0.4054151	0	-0.19833289	0	0.004357746
cov1_2_3_4_5_7_8	38.6633	-384.629	0.4035899	0	-0.18788244	0	0.029340282

cov1_3_4_5_7_8_11	38.6871	-384.641	0.4047842	0	-0.17676965	0	0
cov1_2_3_5_7_8_11	38.7383	-384.666	0.4054733	0	-0.17745736	0	0.004088128
cov1_2_3_6_7_8_11	38.7548	-384.675	0.4046347	0	-0.17035465	0	0.005414443
cov1_3_4_6_7_8_11	38.7598	-384.677	0.4046814	0	-0.16656842	0	0
cov1_2_3_4_6_7_8	38.7929	-384.694	0.4041693	0	-0.16174926	0	0.008991646
cov1_2_3_4_7_8_11	38.87	-384.732	0.4043143	0	-0.14095931	0	0.007802755
cov1_2_4_5_6_7_8	38.9605	-384.778	0.4000506	0	-0.17783235	0	0.034647753
cov1_2_4_6_7_8_11	38.9785	-384.787	0.4011909	0	-0.1627395	0	0.021808599
cov1_4_5_6_7_8_11	39.0323	-384.813	0.4012118	0	-0.15713361	0	0
cov1_2_4_5_7_8_11	39.0575	-384.826	0.4001721	0	-0.15273982	0	0.032932315
cov1_2_5_6_7_8_11	39.0783	-384.836	0.4020005	0	-0.15952428	0	0.007204749
cov1_2_3_4_5_6_8	39.4625	-385.029	0.4045491	0	-0.24240734	0	0.031051617
cov1_3_4_5_6_8_11	39.4985	-385.047	0.4058122	0	-0.22770294	0	0
cov1_2_3_5_6_8_11	39.5772	-385.086	0.4066931	0	-0.22548117	0	0.002578772
cov1_2_3_4_5_6_7	39.6108	-385.103	0.4042985	0	-0.23364333	0	0.030270141
cov1_2_3_4_5_8_11	39.6342	-385.114	0.4047787	0	-0.2102259	0	0.029066258
cov1_3_4_5_6_7_11	39.6531	-385.124	0.4055095	0	-0.21856576	0	0
cov1_2_3_5_6_7_11	39.72	-385.157	0.4063193	0	-0.21693288	0	0.003251558
cov1_2_3_4_6_8_11	39.7675	-385.181	0.4054233	0	-0.18236099	0	0.006103131
cov1_2_3_4_5_7_11	39.8004	-385.197	0.404477	0	-0.19937035	0	0.028416933
cov1_2_3_4_5_6_11	39.8077	-385.201	0.4033674	0	-0.20376029	0	0.02645803
cov1_2_3_4_6_7_11	39.8479	-385.221	0.405039	0	-0.18014823	0	0.008222962
cov1_2_4_5_6_8_11	40.0235	-385.309	0.4005698	0	-0.19948483	0	0.035717255
cov1_2_4_5_6_7_11	40.0237	-385.309	0.40084	0	-0.19577976	0	0.034103032
cov2_3_4_5_6_7_8	40.3198	-385.457	0.4037827	0	0	0	-0.037873918
cov2_3_5_6_7_8_11	40.3263	-385.46	0.4029781	0	0	0	-0.028459031
cov2_4_5_6_7_8_11	40.3266	-385.461	0.4027969	0	0	0	-0.031723781
cov2_3_4_5_7_8_11	40.463	-385.529	0.403676	0	0	0	-0.046641712
cov3_4_5_6_7_8_11	40.4676	-385.531	0.4021362	0	0	0	0
cov2_3_4_6_7_8_11	40.6079	-385.601	0.4029962	0	0	0	-0.030574916
cov2_3_4_5_6_7_11	41.5809	-386.088	0.4042941	0	0	0	-0.0382743
cov2_3_4_5_6_8_11	41.6109	-386.103	0.4046924	0	0	0	-0.040961766
cov1_2_3_4_6_7_8_10	41.9864	-382.776	0.397556	0	-0.15252795	0	0.036326248
cov1_2_3_5_6_7_8_10	42.0385	-382.802	0.3985557	0	-0.11816922	0	0.014053677
cov1_3_5_6_7_8_10_11	42.0606	-382.813	0.398876	0	-0.11395932	0	0
cov1_3_5_6_7_8_9_10	42.066	-382.816	0.398844	0	-0.10969034	0	0
cov1_3_4_5_6_7_8_10	42.0667	-382.816	0.3985152	0	-0.11021548	0	0
cov1_3_4_6_7_8_10_11	42.1218	-382.844	0.3992238	0	-0.14261748	0	0
cov1_3_4_6_7_8_9_10	42.1295	-382.848	0.3991992	0	-0.1379679	0	0
cov1_2_3_6_7_8_10_11	42.1809	-382.873	0.4004111	0	-0.16453687	0	0.010585588
cov1_2_3_6_7_8_9_10	42.1817	-382.874	0.400403	0	-0.16096534	0	0.011480606
cov1_3_6_7_8_9_10_11	42.1908	-382.878	0.4006199	0	-0.15677067	0	0
cov1_2_3_4_6_7_8_9	42.3573	-382.961	0.3973224	0	-0.14946919	0	0.03355728
cov1_2_3_4_7_8_10_11	42.3871	-382.976	0.3977615	0	-0.10402567	0	0.034537479
cov1_2_3_4_5_7_8_10	42.3946	-382.98	0.3974359	0	-0.08105065	0	0.031110583
cov1_2_3_4_7_8_9_10	42.398	-382.982	0.3977033	0	-0.097947245	0	0.035772952
cov1_2_3_5_7_8_10_11	42.4272	-382.996	0.3986177	0	-0.073658686	0	0.014513793

cov1_2_3_5_6_7_8_9	42.4273	-382.996	0.3984087	0	-0.11955603	0	0.011839686
cov1_3_5_6_7_8_9_11	42.4343	-383	0.398717	0	-0.11768028	0	0
cov1_2_3_5_7_8_9_10	42.4396	-383.003	0.3985628	0	-0.067464167	0	0.015683437
cov1_3_4_5_6_7_8_9	42.4399	-383.003	0.3982493	0	-0.11347114	0	0
cov1_3_5_7_8_9_10_11	42.4541	-383.01	0.3989716	0	-0.065478402	0	0
cov1_3_4_5_7_8_10_11	42.4609	-383.013	0.3986958	0	-0.065190791	0	0
cov1_3_4_6_7_8_9_11	42.4657	-383.016	0.3988867	0	-0.14158738	0	0
cov1_3_4_5_7_8_9_10	42.4804	-383.023	0.39864	0	-0.05707583	0	0
cov1_2_4_5_6_7_8_10	42.5029	-383.034	0.3934495	0	-0.087673601	0	0.037087698
cov1_3_4_7_8_9_10_11	42.512	-383.039	0.3993967	0	-0.092246137	0	0
cov1_2_3_6_7_8_9_11	42.5315	-383.048	0.4001206	0	-0.16217558	0	0.008715607
cov1_2_3_7_8_9_10_11	42.54	-383.053	0.4003408	0	-0.11475974	0	0.01215319
cov1_2_5_6_7_8_10_11	42.5761	-383.071	0.3947255	0	-0.071971257	0	0.017685402
cov1_2_5_6_7_8_9_10	42.5827	-383.074	0.3946594	0	-0.068295912	0	0.018379022
cov2_3_5_6_7_8_10_11	42.586	-383.076	0.3960952	0	0	0	-0.002781775
cov3_5_6_7_8_9_10_11	42.5861	-383.076	0.3960631	0	0	0	0
cov3_4_5_6_7_8_10_11	42.5875	-383.076	0.3960333	0	0	0	0
cov2_3_4_5_6_7_8_10	42.594	-383.08	0.3963899	0	0	0	-0.00641879
cov2_3_5_6_7_8_9_10	42.5952	-383.08	0.3961924	0	0	0	-0.003944418
cov3_4_5_6_7_8_9_10	42.5982	-383.082	0.3961024	0	0	0	0
cov1_4_5_6_7_8_10_11	42.6266	-383.096	0.3946713	0	-0.060875957	0	0
cov1_5_6_7_8_9_10_11	42.6288	-383.097	0.3948937	0	-0.060023904	0	0
cov1_4_5_6_7_8_9_10	42.6383	-383.102	0.3945805	0	-0.055641042	0	0
cov2_3_5_7_8_9_10_11	42.6833	-383.124	0.3967339	0	0	0	0.00150004
cov3_4_5_7_8_9_10_11	42.6837	-383.125	0.3967963	0	0	0	0
cov2_3_4_5_7_8_9_10	42.6839	-383.125	0.3967004	0	0	0	0.001404093
cov2_3_4_5_7_8_10_11	42.6865	-383.126	0.3965974	0	0	0	0.002141828
cov1_2_3_4_7_8_9_11	42.7388	-383.152	0.3975864	0	-0.10296552	0	0.031701178
cov1_2_4_6_7_8_10_11	42.7442	-383.155	0.3927275	0	-0.1450681	0	0.058458056
cov1_2_4_6_7_8_9_10	42.7504	-383.158	0.3926588	0	-0.14162652	0	0.059308709
cov1_2_3_4_5_7_8_9	42.762	-383.164	0.397268	0	-0.084501698	0	0.02997203
cov1_2_3_5_7_8_9_11	42.7948	-383.18	0.3985308	0	-0.077187339	0	0.012244746
cov2_4_5_6_7_8_10_11	42.8058	-383.186	0.3937729	0	0	0	0.007729347
cov2_4_5_6_7_8_9_10	42.8079	-383.187	0.393885	0	0	0	0.00665739
cov2_5_6_7_8_9_10_11	42.8086	-383.187	0.39405	0	0	0	0.004903152
cov4_5_6_7_8_9_10_11	42.8133	-383.189	0.3941009	0	0	0	0
cov1_3_4_5_7_8_9_11	42.8139	-383.19	0.3984895	0	-0.070464214	0	0
cov1_2_4_5_6_7_8_9	42.8397	-383.203	0.3933847	0	-0.091557314	0	0.035671069
cov1_2_3_4_6_8_10_11	42.9019	-383.234	0.3985989	0	-0.16813808	0	0.034506447
cov1_2_3_4_6_8_9_10	42.9067	-383.236	0.3985524	0	-0.16423019	0	0.035479446
cov1_2_4_5_7_8_10_11	42.9082	-383.237	0.3935945	0	-0.040105217	0	0.035755411
cov1_2_3_4_5_6_8_10	42.9114	-383.238	0.3983701	0	-0.15540499	0	0.033007703
cov1_2_5_6_7_8_9_11	42.9158	-383.241	0.3947388	0	-0.075915604	0	0.015247794
cov1_2_4_5_7_8_9_10	42.9257	-383.246	0.3935112	0	-0.033454078	0	0.036918652
cov1_4_5_6_7_8_9_11	42.9477	-383.257	0.3945652	0	-0.066805583	0	0
cov1_2_5_7_8_9_10_11	42.9702	-383.268	0.3947152	0	-0.023947032	0	0.01889993
cov1_2_3_5_6_8_10_11	42.9834	-383.274	0.3997962	0	-0.14103736	0	0.012838629

cov2_4_5_7_8_9_10_11	42.984	-383.275	0.3937964	0	0	0	0.01931585
cov2_3_5_6_7_8_9_11	42.9889	-383.277	0.3958731	0	0	0	-0.005544482
cov1_2_3_5_6_8_9_10	42.9896	-383.278	0.3997521	0	-0.13693428	0	0.013776541
cov2_3_4_5_6_7_8_9	42.9936	-383.28	0.3960877	0	0	0	-0.008246818
cov3_4_5_6_7_8_9_11	42.9941	-383.28	0.3956444	0	0	0	0
cov1_3_4_5_6_8_10_11	42.9997	-383.283	0.3996829	0	-0.13510717	0	0
cov1_3_5_6_8_9_10_11	43.0044	-383.285	0.4000913	0	-0.13384951	0	0
cov1_3_4_5_6_8_9_10	43.0118	-383.289	0.3996244	0	-0.12944506	0	0
cov1_2_4_6_7_8_9_11	43.0229	-383.294	0.3927868	0	-0.14365736	0	0.054627384
cov1_3_4_6_8_9_10_11	43.0291	-383.297	0.4002057	0	-0.15546429	0	0
cov1_4_5_7_8_9_10_11	43.0312	-383.298	0.3947638	0	-0.010877196	0	0
cov2_3_4_5_7_8_9_11	43.0771	-383.321	0.3963331	0	0	0	-0.000528282
cov1_2_3_6_8_9_10_11	43.0785	-383.322	0.4013367	0	-0.17669852	0	0.010716903
cov1_2_3_4_5_6_7_10	43.0858	-383.326	0.3981153	0	-0.14710243	0	0.032235019
cov1_2_3_4_6_7_10_11	43.093	-383.329	0.3983558	0	-0.16679893	0	0.036160906
cov1_2_3_4_6_7_9_10	43.0936	-383.33	0.3983408	0	-0.16372142	0	0.036965269
cov1_2_4_7_8_9_10_11	43.1434	-383.354	0.3929095	0	-0.093891278	0	0.057463515
cov1_2_3_5_6_7_10_11	43.1521	-383.359	0.3994241	0	-0.13293076	0	0.013473815
cov1_2_3_5_6_7_9_10	43.1539	-383.36	0.3994081	0	-0.12973149	0	0.01426625
cov1_4_6_7_8_9_10_11	43.1632	-383.364	0.3943699	0	-0.11871147	0	0
cov2_4_5_6_7_8_9_11	43.1713	-383.368	0.3937185	0	0	0	0.004506732
cov1_3_4_5_6_7_10_11	43.1751	-383.37	0.3993642	0	-0.12632129	0	0
cov1_3_5_6_7_9_10_11	43.1768	-383.371	0.3997206	0	-0.12534397	0	0
cov1_3_4_5_6_7_9_10	43.182	-383.374	0.3993355	0	-0.12166064	0	0
cov1_2_4_5_7_8_9_11	43.2269	-383.396	0.3936118	0	-0.045682357	0	0.034203761
cov1_3_4_6_7_9_10_11	43.2339	-383.4	0.4000341	0	-0.15356331	0	0
cov1_2_3_4_6_8_9_11	43.2793	-383.422	0.3984058	0	-0.16603155	0	0.031534571
cov1_2_3_6_7_9_10_11	43.2942	-383.43	0.4012742	0	-0.17599815	0	0.010848762
cov1_2_3_4_5_6_8_9	43.2986	-383.432	0.3981739	0	-0.15792951	0	0.031812448
cov1_3_4_5_6_8_9_11	43.3724	-383.469	0.3994466	0	-0.13947798	0	0
cov1_2_3_5_6_8_9_11	43.3734	-383.469	0.3996906	0	-0.14354732	0	0.010491424
cov1_2_3_4_5_6_9_10	43.3806	-383.473	0.3969343	0	-0.10977585	0	0.028907562
cov1_2_3_4_5_6_10_11	43.3852	-383.475	0.3968319	0	-0.10916589	0	0.028817628
cov1_2_3_5_6_9_10_11	43.4185	-383.492	0.3978488	0	-0.098911275	0	0.016110691
cov1_2_3_4_8_9_10_11	43.4499	-383.508	0.3989	0	-0.10868291	0	0.033259064
cov1_2_3_4_6_7_9_11	43.4588	-383.512	0.3981572	0	-0.164646	0	0.033241384
cov1_2_3_4_5_8_10_11	43.4604	-383.513	0.3986985	0	-0.10164151	0	0.031383339
cov1_3_4_5_6_9_10_11	43.4634	-383.514	0.3979689	0	-0.088070006	0	0
cov1_2_3_4_5_6_7_9	43.4656	-383.516	0.3979112	0	-0.14948335	0	0.03103859
cov1_2_3_4_5_8_9_10	43.4826	-383.524	0.3985958	0	-0.094107041	0	0.032968384
cov1_2_3_5_8_9_10_11	43.517	-383.541	0.3999449	0	-0.086659585	0	0.014268331
cov1_2_3_5_6_7_9_11	43.5351	-383.55	0.3993104	0	-0.13531114	0	0.011140839
cov1_3_4_5_6_7_9_11	43.5418	-383.554	0.3991273	0	-0.13056796	0	0
cov1_3_4_5_8_9_10_11	43.5463	-383.556	0.3999518	0	-0.078578063	0	0
cov3_4_6_7_8_9_10_11	43.555	-383.56	0.3960787	0	0	0	0
cov2_3_4_6_7_8_10_11	43.5551	-383.56	0.3959682	0	0	0	0.001553074
cov1_2_3_4_6_9_10_11	43.565	-383.565	0.3967212	0	-0.15370162	0	0.045484704

cov2_3_4_7_8_9_10_11	43.6146	-383.59	0.3956114	0	0	0	-0.003642567
cov1_2_4_5_6_8_10_11	43.6165	-383.591	0.3939576	0	-0.10592311	0	0.038889841
cov1_2_4_5_6_9_10_11	43.6202	-383.593	0.3942225	0	-0.10332731	0	0.037681225
cov1_2_6_7_8_9_10_11	43.6204	-383.593	0.3965622	0	-0.15890361	0	0.012623195
cov1_2_4_5_6_7_10_11	43.6223	-383.594	0.3942073	0	-0.10229581	0	0.037266086
cov1_2_4_5_6_8_9_10	43.6279	-383.597	0.393848	0	-0.10150897	0	0.039866133
cov1_2_4_5_6_7_9_10	43.6282	-383.597	0.3941353	0	-0.098895269	0	0.038054544
cov1_2_3_4_5_7_10_11	43.6527	-383.609	0.3983801	0	-0.090916867	0	0.030713557
cov1_2_3_4_7_9_10_11	43.6536	-383.61	0.3986348	0	-0.10647836	0	0.035033028
cov2_3_4_6_7_8_9_10	43.661	-383.613	0.3963443	0	0	0	-0.004030686
cov1_2_3_4_5_7_9_10	43.6673	-383.616	0.3983108	0	-0.084401734	0	0.032116989
cov1_2_3_5_7_9_10_11	43.6997	-383.633	0.3995351	0	-0.077108445	0	0.014957349
cov1_2_5_6_7_9_10_11	43.7081	-383.637	0.3954755	0	-0.082471705	0	0.017851688
cov1_2_5_6_8_9_10_11	43.7182	-383.642	0.3953251	0	-0.084470215	0	0.017810267
cov2_3_4_5_6_8_10_11	43.7307	-383.648	0.3971284	0	0	0	-0.008996774
cov2_3_5_6_8_9_10_11	43.7321	-383.649	0.3969126	0	0	0	-0.006231302
cov1_3_4_5_7_9_10_11	43.7353	-383.65	0.3996055	0	-0.068291693	0	0
cov1_2_3_4_5_6_9_11	43.7357	-383.651	0.3967026	0	-0.11387015	0	0.027593885
cov2_3_4_5_6_8_9_10	43.7391	-383.652	0.3972963	0	0	0	-0.010799229
cov3_4_5_6_8_9_10_11	43.7393	-383.652	0.3967094	0	0	0	0
cov1_4_5_6_7_9_10_11	43.7584	-383.662	0.3953854	0	-0.071350837	0	0
cov1_4_5_6_8_9_10_11	43.7651	-383.665	0.395179	0	-0.073670984	0	0
cov2_3_4_5_6_7_10_11	43.8092	-383.687	0.3968596	0	0	0	-0.006924356
cov2_3_5_6_7_9_10_11	43.8104	-383.688	0.3966489	0	0	0	-0.004254302
cov3_4_5_6_7_9_10_11	43.8138	-383.69	0.3965445	0	0	0	0
cov2_3_4_5_6_7_9_10	43.82	-383.693	0.3970359	0	0	0	-0.008939629
cov1_2_3_4_5_8_9_11	43.8235	-383.695	0.3985761	0	-0.10599263	0	0.030023066
cov1_2_4_6_8_9_10_11	43.8394	-383.702	0.3931984	0	-0.15720133	0	0.05993668
cov2_3_4_5_6_9_10_11	43.8522	-383.709	0.3964604	0	0	0	-0.003622088
cov1_2_4_6_7_9_10_11	43.8655	-383.715	0.393408	0	-0.15595408	0	0.059255697
cov2_3_4_5_8_9_10_11	43.8748	-383.72	0.3976146	0	0	0	-0.000951363
cov2_3_4_6_7_8_9_11	43.8753	-383.72	0.395705	0	0	0	-0.000697753
cov1_2_3_4_5_9_10_11	43.9411	-383.753	0.3970718	0	-0.051520411	0	0.028240512
cov1_2_4_5_6_8_9_11	43.9473	-383.756	0.3939241	0	-0.11067199	0	0.03732045
cov1_2_4_5_6_7_9_11	43.9533	-383.759	0.3941656	0	-0.10706167	0	0.03568998
cov2_3_6_7_8_9_10_11	43.9656	-383.766	0.3997621	0	0	0	-0.037112233
cov2_3_4_5_7_9_10_11	43.9812	-383.773	0.3973819	0	0	0	0.001904756
cov1_2_3_4_5_7_9_11	44.0091	-383.787	0.3982446	0	-0.095370855	0	0.029445523
cov2_4_5_6_7_9_10_11	44.0127	-383.789	0.3944743	0	0	0	0.005032286
cov2_4_5_6_8_9_10_11	44.0365	-383.801	0.3942244	0	0	0	0.005503246
cov2_4_6_7_8_9_10_11	44.1206	-383.843	0.3917885	0	0	0	0.02336392
cov2_3_4_5_6_8_9_11	44.1452	-383.855	0.3968611	0	0	0	-0.011286156
cov1_2_4_5_8_9_10_11	44.193	-383.879	0.3941175	0	-0.046412507	0	0.038365249
cov1_2_4_5_7_9_10_11	44.1959	-383.881	0.3943782	0	-0.042717014	0	0.036648452
cov2_3_4_5_6_7_9_11	44.2139	-383.89	0.3965873	0	0	0	-0.009168964
cov2_3_4_6_8_9_10_11	44.7451	-384.155	0.3968525	0	0	0	-0.002700517
cov2_3_4_6_7_9_10_11	44.9007	-384.233	0.3965634	0	0	0	-0.000412246

cov1_2_3_4_5_6_7_8	45.5482	-384.557	0.4037014	0	-0.22276248	0	0.029492798
cov1_3_4_5_6_7_8_11	45.5873	-384.576	0.4048744	0	-0.20816355	0	0
cov1_2_3_4_5_7_8_11	45.6407	-384.603	0.4038732	0	-0.19841747	0	0.027739607
cov1_2_3_5_6_7_8_11	45.6499	-384.608	0.4056514	0	-0.20663416	0	0.003254161
cov1_2_3_4_6_7_8_11	45.7822	-384.674	0.4044179	0	-0.16963717	0	0.007630888
cov1_2_4_5_6_7_8_11	45.952	-384.759	0.4002731	0	-0.18529071	0	0.033277993
cov1_2_3_4_5_6_8_11	46.4425	-385.004	0.4048352	0	-0.25085979	0	0.029467556
cov1_2_3_4_5_6_7_11	46.6006	-385.083	0.4045549	0	-0.2413064	0	0.028860704
cov2_3_4_5_6_7_8_11	47.336	-385.451	0.403656	0	0	0	-0.035795075
cov1_2_3_4_5_6_7_8_10	48.9977	-382.767	0.3974596	0	-0.13584522	0	0.031458408
cov1_2_3_4_6_7_8_10_11	49.007	-382.772	0.3977018	0	-0.1561912	0	0.035625563
cov1_2_3_4_6_7_8_9_10	49.0074	-382.772	0.3976919	0	-0.15321776	0	0.036408039
cov1_2_3_5_6_7_8_10_11	49.0582	-382.797	0.3987004	0	-0.1223028	0	0.013506835
cov1_2_3_5_6_7_8_9_10	49.0597	-382.798	0.3986894	0	-0.11922365	0	0.014277559
cov1_3_4_5_6_7_8_10_11	49.083	-382.81	0.3986698	0	-0.11550614	0	0
cov1_3_5_6_7_8_9_10_11	49.0833	-382.81	0.3989968	0	-0.11468629	0	0
cov1_3_4_5_6_7_8_9_10	49.0893	-382.813	0.398645	0	-0.11099622	0	0
cov1_3_4_6_7_8_9_10_11	49.1439	-382.84	0.3993516	0	-0.14312922	0	0
cov1_2_3_6_7_8_9_10_11	49.1993	-382.868	0.4005441	0	-0.16513578	0	0.010892966
cov1_2_3_4_6_7_8_9_11	49.3732	-382.955	0.3974989	0	-0.15403238	0	0.032706904
cov1_2_3_4_5_6_7_8_9	49.3783	-382.957	0.3972519	0	-0.13821015	0	0.030258399
cov1_2_3_4_5_7_8_10_11	49.401	-382.969	0.3976622	0	-0.088401738	0	0.03004494
cov1_2_3_4_7_8_9_10_11	49.405	-382.971	0.3979194	0	-0.10496858	0	0.034659801
cov1_2_3_4_5_7_8_9_10	49.4123	-382.974	0.3976017	0	-0.082546559	0	0.031324811
cov1_2_3_5_6_7_8_9_11	49.4418	-382.989	0.3985828	0	-0.12466899	0	0.011170492
cov1_2_3_5_7_8_9_10_11	49.4455	-382.991	0.398774	0	-0.075008027	0	0.014787254
cov1_3_4_5_6_7_8_9_11	49.4508	-382.994	0.3984285	0	-0.1197497	0	0
cov1_3_4_5_7_8_9_10_11	49.4807	-383.009	0.3988507	0	-0.066228298	0	0
cov1_2_4_5_6_7_8_10_11	49.5238	-383.03	0.3935806	0	-0.091448002	0	0.036480034
cov1_2_4_5_6_7_8_9_10	49.5294	-383.033	0.3935128	0	-0.088092306	0	0.037206227
cov1_2_5_6_7_8_9_10_11	49.6027	-383.07	0.3947871	0	-0.072350441	0	0.017834409
cov2_3_4_5_6_7_8_10_11	49.6138	-383.075	0.3962785	0	0	0	-0.004680835
cov2_3_5_6_7_8_9_10_11	49.6138	-383.075	0.3961421	0	0	0	-0.002735875
cov3_4_5_6_7_8_9_10_11	49.6151	-383.076	0.3960859	0	0	0	0
cov2_3_4_5_6_7_8_9_10	49.6219	-383.079	0.3964413	0	0	0	-0.00645981
cov1_4_5_6_7_8_9_10_11	49.6541	-383.095	0.3947239	0	-0.061072035	0	0
cov2_3_4_5_7_8_9_10_11	49.7122	-383.124	0.396677	0	0	0	0.002040515
cov1_2_3_4_5_7_8_9_11	49.7614	-383.149	0.3975173	0	-0.09280297	0	0.028761133
cov1_2_4_6_7_8_9_10_11	49.7705	-383.153	0.3927937	0	-0.14540492	0	0.058574454
cov2_4_5_6_7_8_9_10_11	49.8343	-383.185	0.3938041	0	0	0	0.007737327
cov1_2_4_5_6_7_8_9_11	49.856	-383.196	0.3935443	0	-0.096145609	0	0.03487221
cov1_2_3_4_6_8_9_10_11	49.9226	-383.229	0.3987361	0	-0.16872682	0	0.034619502
cov1_2_3_4_5_6_8_10_11	49.9268	-383.232	0.3985574	0	-0.16014627	0	0.032165238
cov1_2_3_4_5_6_8_9_10	49.9318	-383.234	0.3985103	0	-0.15644648	0	0.033191245
cov1_2_4_5_7_8_9_10_11	49.9327	-383.235	0.3937097	0	-0.040645335	0	0.0358622
cov1_2_3_5_6_8_9_10_11	50.004	-383.27	0.39993	0	-0.14201884	0	0.013085388
cov2_3_4_5_6_7_8_9_11	50.0173	-383.277	0.3960069	0	0	0	-0.00691794



cov1_3_4_5_6_8_9_10_11	50.0219	-383.279	0.3998095	0	-0.13580665	0	0
cov1_2_3_4_5_6_7_10_11	50.1061	-383.321	0.3982664	0	-0.15095778	0	0.031563956
cov1_2_3_4_5_6_7_9_10	50.1072	-383.322	0.3982496	0	-0.14810012	0	0.032409544
cov1_2_3_4_6_7_9_10_11	50.1141	-383.325	0.3984861	0	-0.16738608	0	0.036259416
cov1_2_3_5_6_7_9_10_11	50.1735	-383.355	0.3995524	0	-0.13387406	0	0.013708121
cov1_3_4_5_6_7_9_10_11	50.198	-383.367	0.3994904	0	-0.12699686	0	0
cov1_2_3_4_5_6_8_9_11	50.308	-383.422	0.3983919	0	-0.16356923	0	0.030809274
cov1_2_3_4_5_6_9_10_11	50.4097	-383.473	0.396921	0	-0.10969844	0	0.028964745
cov1_2_3_4_5_8_9_10_11	50.477	-383.507	0.3988661	0	-0.10303636	0	0.031629358
cov1_2_3_4_5_6_7_9_11	50.481	-383.509	0.3980938	0	-0.15424913	0	0.030206284
cov2_3_4_6_7_8_9_10_11	50.5838	-383.56	0.3959996	0	0	0	0.001545938
cov1_2_4_5_6_8_9_10_11	50.6432	-383.59	0.3940172	0	-0.10627405	0	0.039017149
cov1_2_4_5_6_7_9_10_11	50.6489	-383.593	0.3942683	0	-0.10264975	0	0.037393615
cov1_2_3_4_5_7_9_10_11	50.6702	-383.603	0.3985428	0	-0.092269511	0	0.030951141
cov2_3_4_5_6_8_9_10_11	50.7584	-383.647	0.3971829	0	0	0	-0.009008277
cov2_3_4_5_6_7_9_10_11	50.837	-383.687	0.3969112	0	0	0	-0.006936602
cov1_2_3_4_5_6_7_8_11	52.5389	-384.538	0.4039525	0	-0.2303306	0	0.02810226
cov1_2_3_4_5_6_7_8_10_11	56.0186	-382.763	0.3976041	0	-0.13958187	0	0.030809196
cov1_2_3_4_5_6_7_8_9_10	56.0193	-382.763	0.397592	0	-0.13682587	0	0.031630095
cov1_2_3_4_6_7_8_9_10_11	56.0284	-382.768	0.3978306	0	-0.15677308	0	0.035722929
cov1_2_3_5_6_7_8_9_10_11	56.0799	-382.794	0.3988276	0	-0.12323299	0	0.013737267
cov1_3_4_5_6_7_8_9_10_11	56.1061	-382.807	0.3987927	0	-0.11616984	0	0
cov1_2_3_4_5_6_7_8_9_11	56.3944	-382.951	0.3974278	0	-0.14286143	0	0.029447941
cov1_2_3_4_5_7_8_9_10_11	56.4196	-382.963	0.3978176	0	-0.089689843	0	0.030271218
cov1_2_4_5_6_7_8_9_10_11	56.5505	-383.029	0.3936581	0	-0.091788175	0	0.036597981
cov2_3_4_5_6_7_8_9_10_11	56.6415	-383.074	0.3963334	0	0	0	-0.004704421
cov1_2_3_4_5_6_8_9_10_11	56.9479	-383.228	0.3986896	0	-0.16105808	0	0.032361527
cov1_2_3_4_5_6_7_9_10_11	57.1279	-383.318	0.3983935	0	-0.15183558	0	0.031749965
cov1_2_3_4_5_6_7_8_9_10_11	63.0406	-382.759	0.3977296	0	-0.14044447	0	0.030992046

[illegible]

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0	0	0	0	0	0	-0.034822317	0
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0	0.091708227	0	0	0	0	0	0	0	-0.075605355
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0	0.050395044	0	0	0	0	0	0.070103139	0	0
0	0	0	-0.069571648	0	0	0	-0.017351702	0	1.0203695
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0	0.023215163	0	-0.000531456	0	-0.11402027	0	0.035053867	0	0
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0	0.055204504	0	-0.075542155	0	0	0	0	0	0.95041251
0	0	0	-0.070385419	0	0	0	0.0767052	0	0

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0	0.085989378	0	-0.008253613	0	-0.018181735	0	0	0	0
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0	0.036344055	0	0	0	-0.069771242	0	0	0	0
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0	0.05093847	0	0.006336184	0	-0.11064132	0	0.032888588	0	0

0	0.049087997	0	-0.000756938	0	-0.10753471	0	0.032771712	0	0
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0	0.077319836	0	-0.00465421	0	-0.034392195	0	0	0	-0.066512506
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0	0.077945284	0	-0.003878781	0	-0.035058249	0	0	0	-0.062840232
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0	0.033360396	0	0	0	-0.069121081	0	0.074179087	0	0
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0	0.043688342	0	-0.027708679	0	0	0	0.073849412	0	0
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0	0.04035632	0	0	0	-0.11121912	0	0.036140657	0	-0.022448345
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0	0.027518553	0	0.002271304	0	-0.11734042	0	0.040957662	0	0
0	0.027343325	0	0	0	-0.11494098	0	0.041333169	0	0
0	0	0	-0.072418674	0	0	0	0.077459487	0	0
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0	-0.99993095	0	0.018699618	0	-0.15152171	0	0
0	-0.93983018	0	-0.13190397	0	0	-0.009098328	0
0	-1.0000298	0	0.017896313	0	-0.15155511	0	-0.010116478
0	-0.081604077	0	0	0	-0.14349378	0	-0.008196106

0	-1.0013608	0	0.012724457	0	-0.15457631	0	-0.003479675	0
0	-0.97669161	0	-0.15000312	0	0	0	0.004960107	0
0	-0.079393116	0	0.024946692	0	-0.16814794	0	0	0
0	-0.97720002	0	-0.15000707	0	0	0	0	0
0	-0.97790598	0	-0.15074576	0	0	0	0.005744313	0
0	-0.084897062	0	0	0	-0.14182356	0	-0.009259384	0
0	-0.083244402	0	0.022517206	0	-0.16436025	0	-0.008886543	0
0	-0.082255444	0	0.022598172	0	-0.1642577	0	0	0
0	-0.93613162	0	-0.11973531	0	0	0	-0.007717553	0
0	-0.096383928	0	0.022838158	0	-0.15871473	0	-0.009585408	0
0	-1.0004964	0	0.015172758	0	-0.14723506	0	-0.011468443	0
0	-0.99996769	0	-0.14300491	0	0	0	0.00045312	0
0	-0.1010411	0	0.027826327	0	-0.16114364	0	-0.008704459	0
0	0	0	0	0	-0.14213237	0	0	0
0	0	0	0	0	-0.13857851	0	-0.006302729	0
0	0	0	0.023994735	0	-0.16222277	0	0	0
0	-0.99626004	0	0.018728261	0	-0.13689963	0	-0.010156954	0
0	0	0	0	0	-0.14298576	0	-0.006626509	0
0	0	0	0.023631008	0	-0.16626584	0	0	0
0	-0.94057227	0	0.00998281	0	-0.12518839	0	-0.010002151	0
0	-0.96983929	0	-0.14560861	0	0	0	0.002153415	0
0	0	0	0	0	-0.14141154	0	-0.007680633	0
0	0	0	0.021298742	0	-0.16263181	0	-0.007366425	0
0	0	0	0.021371539	0	-0.16255875	0	0	0
0	-0.99715867	0	-0.12494813	0	0	0	-0.011296833	0
0	0	0	0.022173238	0	-0.15591855	0	-0.008223587	0
0	-0.085094445	0	-0.13256342	0	0	0	-0.009289082	0
0	0	0	0.027468389	0	-0.15843441	0	-0.007324189	0
0	-0.081003948	0	-0.13352574	0	0	0	0	0
0	-0.082186607	0	-0.13288534	0	0	0	-0.010727219	0
0	-0.078519347	0	-0.13432446	0	0	0	-0.009788015	0
0	0	0	0.017720106	0	-0.15732013	0	0	0
0	0	0	0	0	-0.14019964	0	7.82E-05	0
0	0	0	0.01837624	0	-0.15894652	0	-0.000395724	0
0	-0.08987054	0	0.029645621	0	-0.16122067	0	-0.012304176	0
0	0	0	-0.13071765	0	0	0	-0.007788921	0
0	-0.086893417	0	0	0	-0.13361009	0	-0.012501968	0
0	0	0	0.016200071	0	-0.15560123	0	-0.001307295	0
0	0	0	-0.13313821	0	0	0	0	0
0	-0.083431413	0	0.030754007	0	-0.16398359	0	0	0
0	-0.082698241	0	0.029779836	0	-0.16377614	0	-0.012633312	0
0	0	0	-0.13393615	0	0	0	-0.008203469	0
0	0	0	-0.1325777	0	0	0	-0.009151292	0
0	-0.085464799	0	0.027538281	0	-0.1599973	0	-0.013767568	0
0	-1.0217568	0	0.005699655	0	-0.14904822	0	0.02029177	0
0	-1.0219703	0	0	0	-0.14372778	0	0.02043412	0
0	0	0	0.019588069	0	-0.14640554	0	0.002381915	0

0	-1.0064345	0	0.000353519	0	-0.14844171	0	0.02689785	0
0	-0.006257543	0	0	0	-0.13986031	0	-0.00785885	0
0	0	0	0.013023198	0	-0.15236027	0	-0.006415139	0
0	-0.94804629	0	0.018611829	0	-0.121093	0	-0.009167314	0
0	0	0	0	0	-0.13975202	0	-0.006169899	0
0	-0.003738835	0	0.013676706	0	-0.15357665	0	0	0
0	0	0	0.013697627	0	-0.15338239	0	0	0
0	0	0	0	0	-0.13306111	0	-0.010902092	0
0	0	0	0.029037994	0	-0.15840968	0	-0.010764172	0
0	-1.0290317	0	0.001776894	0	-0.14453867	0	0	0
0	0	0	0.029419933	0	-0.16207857	0	0	0
0	0	0	0.028604762	0	-0.1619892	0	-0.011000701	0
0	0	0	0.013542121	0	-0.15417532	0	-0.006533173	0
0	0.00055606	0	0.013379984	0	-0.15424012	0	-0.008282428	0
0	-0.039576908	0	0	0	-0.16102501	0	0.006269882	0
0	-0.039514439	0	0.009243069	0	-0.17018753	0	0.006775528	0
0	0	0	0.02645348	0	-0.15840327	0	-0.012132338	0
0	0	0	-0.1317044	0	0	0	-0.001680574	0
0	-0.040519009	0	0.008619733	0	-0.16946395	0	0	0
0	-0.037678557	0	0.00954731	0	-0.17145825	0	0.007663369	0
0	0	0	0.010611	0	-0.14954132	0	-0.007857497	0
0	-0.001011581	0	0.010291904	0	-0.14932098	0	-0.009638475	0
0	0	0	0	0	-0.15931398	0	0.007020491	0
0	0	0	0.008948747	0	-0.1681835	0	0.007507267	0
0	0	0	0.009268763	0	-0.16920341	0	0.008112074	0
0	0	0	0.008186816	0	-0.16734012	0	0	0
0	-0.084163644	0	-0.12463091	0	0	0	-0.013900432	0
0	-0.014573672	0	0.014041377	0	-0.13961154	0	-0.008144808	0
0	0	0	0.008931785	0	-0.16531328	0	0.008209317	0
0	0	0	0.014276315	0	-0.13911954	0	-0.006481474	0
0	-0.049470327	0	0.015795441	0	-0.16762589	0	0.000825675	0
0	-1.0206391	0	-0.13683605	0	0	0	0.018543556	0
0	0	0	0.023539153	0	-0.15440369	0	-0.004474373	0
0	-0.006371179	0	-0.1317761	0	0	0	-0.009351222	0
0	0	0	-0.13166381	0	0	0	-0.00765626	0
0	-1.0350267	0	0.010201906	0	-0.14436513	0	0.020879938	0
0	0	0	0.016076826	0	-0.16533701	0	0.001079715	0
0	0	0	-0.1241677	0	0	0	-0.012295401	0
0	0	0	0.005991308	0	-0.16009457	0	0.004287098	0
0	0.005692133	0	0.00551243	0	-0.16030076	0	0.002906676	0
0	-1.0195477	0	-0.001008684	0	-0.13105745	0	0.018537282	0
0	-0.035588678	0	-0.1524332	0	0	0	0.004823425	0
0	-0.005276788	0	0.018628638	0	-0.14918349	0	-0.012580682	0
0	0	0	0.018818517	0	-0.14925078	0	-0.010750112	0
0	0	0	-0.15082175	0	0	0	0.005594934	0
0	-0.068347861	0	0.005263785	0	-0.15116883	0	0.020915465	0
0	0	0	0.004795272	0	-0.14842348	0	0.022266108	0

0	-0.92509378	0	0	0	0	0	0
0	-0.92656826	0	0	0	0	-0.014280676	0
0	-0.95965568	0	0	0	0	-0.015020493	0
0	-0.92850724	0	0	0	0	-0.013636717	0
0	-0.92658913	0	0	0	0	-0.013235431	0
0	-0.92867025	0	0	0	0	-0.012853687	0
0	-0.078142739	0	0	0	0	-0.014693958	0
0	0	0	0	0	0	-0.013150518	0
0	-0.99831033	0	0	0	0	0.007337816	0
0	-0.93364255	0	0	-0.14256729	0	0	0
0	-0.93275074	0	0	-0.13887341	0	-0.006111582	0
0	-0.9328832	0	0.023611717	0	-0.16213401	0	0
0	-0.93616499	0	0	0	-0.14338045	0	-0.006412142
0	-0.93630349	0	0.023170298	0	-0.16620073	0	0
0	-0.93546762	0	0	0	-0.14186729	0	-0.007453434
0	-0.93602707	0	0.020855156	0	-0.16259312	0	-0.007158969
0	-0.93569265	0	0.020977726	0	-0.16261896	0	0
0	-0.93466404	0	0.021825545	0	-0.15593637	0	-0.008003453
0	-0.936884	0	0.027009219	0	-0.15843862	0	-0.007107105
0	-0.9327461	0	-0.13102576	0	0	0	-0.007600549
0	-0.93344743	0	-0.13358686	0	0	0	0
0	-0.99414362	0	0	0	-0.13492516	0	-0.009944222
0	-0.99297264	0	0.027735944	0	-0.15880028	0	-0.009822864
0	-0.99536841	0	0.027949712	0	-0.16246566	0	0
0	-0.93607861	0	-0.13434696	0	0	0	-0.007991368
0	-0.99526658	0	0.027221524	0	-0.16247701	0	-0.010041848
0	-0.93514403	0	-0.13304094	0	0	0	-0.008922933
0	-0.99546126	0	0.025102753	0	-0.15896853	0	-0.011153129
0	-0.93773884	0	0	0	-0.14021777	0	-0.005978994
0	-0.93787157	0	0.013357783	0	-0.1535139	0	0
0	-0.94070423	0	0.013203067	0	-0.15426684	0	-0.006322209
0	-0.97574961	0	0	0	-0.15839975	0	0.006181377
0	-0.97620356	0	0.00965054	0	-0.16790489	0	0.006568895
0	-0.97682608	0	0.009889801	0	-0.16860765	0	0.006955572
0	-0.97684042	0	0.008913453	0	-0.16712353	0	0
0	-0.94027007	0	0.010335009	0	-0.14975991	0	-0.007623529
0	-1.000765	0	0.015042214	0	-0.16574333	0	0.001701791
0	-0.99272877	0	-0.12604559	0	0	0	-0.011354407
0	-0.93627889	0	0.013980247	0	-0.13921049	0	-0.006300861
0	-0.96862148	0	0.006439451	0	-0.15941945	0	0.003345174
0	-0.93734184	0	-0.13213172	0	0	0	-0.007473371
0	-0.09060959	0	0.023939511	0	-0.16377573	0	-0.007607254
0	-0.086758278	0	0	0	-0.1421624	0	-0.007729324
0	-0.08472285	0	0.024286469	0	-0.16613709	0	0
0	-0.99830622	0	0.01756435	0	-0.14995509	0	-0.009794391
0	-0.081976735	0	0.024099155	0	-0.16680717	0	-0.008033156
0	-0.97642695	0	-0.14990456	0	0	0	0.004757502



0	-0.085200547	0	0.021697883	0	-0.16281849	0	-0.009108335	0
0	0	0	0	0	-0.1417406	0	-0.006205765	0
0	0	0	0.023027187	0	-0.16440268	0	0	0
0	0	0	0.023347483	0	-0.16123381	0	-0.006145002	0
0	0	0	0.022951298	0	-0.16518916	0	-0.006472941	0
0	0	0	0.020627991	0	-0.16136951	0	-0.007558636	0
0	-0.083962031	0	-0.13304759	0	0	0	-0.009280971	0
0	0	0	0.017756293	0	-0.15737098	0	0.000214979	0
0	-0.087330578	0	0.02931487	0	-0.16201115	0	-0.012283992	0
0	0	0	-0.13273917	0	0	0	-0.007744468	0
0	-1.0220307	0	0.005683029	0	-0.14924664	0	0.020496893	0
0	-0.006227759	0	0.012861485	0	-0.15229818	0	-0.00777378	0
0	0	0	0.013062711	0	-0.15238417	0	-0.006082362	0
0	0	0	0.028189846	0	-0.16037161	0	-0.01069424	0
0	-0.039606959	0	0.009685141	0	-0.17044076	0	0.006372903	0
0	0	0	0.009374426	0	-0.16842196	0	0.007109965	0
0	-0.92469913	0	0	0	0	0	-0.012978176	0
0	-0.93343575	0	0	0	-0.14218746	0	-0.006010132	0
0	-0.93353901	0	0.022595443	0	-0.16441974	0	0	0
0	-0.93268659	0	0.022982517	0	-0.16117276	0	-0.005956579	0
0	-0.93607002	0	0.022514311	0	-0.16516039	0	-0.006260823	0
0	-0.93539064	0	0.020256154	0	-0.1614642	0	-0.00732621	0
0	-0.93319313	0	-0.13319745	0	0	0	-0.007552803	0
0	-0.99374716	0	0.026822581	0	-0.16091029	0	-0.009746871	0
0	-0.93765355	0	0.012756694	0	-0.15254697	0	-0.005894335	0
0	-0.97577443	0	0.009968475	0	-0.16808784	0	0.006283784	0
0	-0.087108191	0	0.023491597	0	-0.16489011	0	-0.007571188	0
0	0	0	0.022396534	0	-0.16341021	0	-0.00605606	0
0	-0.93334176	0	0.02198476	0	-0.16345866	0	-0.005863426	0

SUPPLEMENTARY TABLE 10

Model	BIC	Loglike	H2r	SE	bsnp_rs2938864	SE	bsnp_rs1001646
cov5	-1.4306	-303.433	0.2597766	0	0	0	0
cov0	0	-307.663	0.2626804	0	0	0	0
cov1	0.8567	-304.577	0.2590686	0	0.091197927	0	0
cov11	1.4741	-304.885	0.2544497	0	0	0	0
cov6	1.9252	-305.111	0.2606798	0	0	0	0
cov4	2.2166	-305.257	0.2649583	0	0	0	0
cov2	3.7423	-306.019	0.2623812	0	0	0	0.065880492
cov4_5	5.238	-303.253	0.2575439	0	0	0	0
cov5_11	5.2605	-303.264	0.2573428	0	0	0	0
cov2_5	5.3278	-303.298	0.2595234	0	0	0	-0.028163306
cov3_5	5.3338	-303.301	0.2620201	0	0	0	0
cov5_10	5.4114	-303.339	0.2582369	0	0	0	0
cov5_8	5.5337	-303.401	0.2599436	0	0	0	0
cov5_7	5.5346	-303.401	0.2599412	0	0	0	0
cov5_9	5.5534	-303.41	0.2589772	0	0	0	0
cov1_5	5.5936	-303.431	0.2598783	0	-0.005161212	0	0
cov5_6	5.5958	-303.432	0.2597937	0	0	0	0
cov10	6.3329	-307.315	0.259755	0	0	0	0
cov3	6.3722	-307.334	0.2655268	0	0	0	0
cov3_11	6.5501	-303.909	0.2583453	0	0	0	0
cov9	6.5526	-307.425	0.2601171	0	0	0	0
cov1_3	6.5772	-303.922	0.2631156	0	0.096742584	0	0
cov7	6.8904	-307.594	0.2626594	0	0	0	0
cov8	6.8907	-307.594	0.2626608	0	0	0	0
cov4_11	7.3535	-304.311	0.2580591	0	0	0	0
cov1_11	7.3733	-304.32	0.2563336	0	0.060212575	0	0
cov1_2	7.5778	-304.423	0.257973	0	0.1237596	0	-0.037972554
cov1_4	7.5868	-304.427	0.2607012	0	0.069562915	0	0
cov1_9	7.6676	-304.468	0.2604762	0	0.099766116	0	0
cov3_6	7.6899	-304.479	0.2646849	0	0	0	0
cov1_10	7.8258	-304.547	0.2597517	0	0.095431456	0	0
cov6_11	7.8532	-304.56	0.2563339	0	0	0	0
cov1_8	7.8586	-304.563	0.2591609	0	0.090689272	0	0
cov1_7	7.8587	-304.563	0.2591598	0	0.09068884	0	0
cov1_6	7.8856	-304.577	0.2590549	0	0.092316082	0	0
cov7_11	8.0672	-304.667	0.2543974	0	0	0	0
cov8_11	8.0709	-304.669	0.2544021	0	0	0	0
cov4_6	8.15	-304.709	0.2627411	0	0	0	0
cov2_11	8.4069	-304.837	0.2553067	0	0	0	0.015181975
cov10_11	8.4848	-304.876	0.2541515	0	0	0	0
cov9_11	8.4986	-304.883	0.2546087	0	0	0	0
cov6_9	8.806	-305.037	0.2620411	0	0	0	0
cov6_7	8.8996	-305.084	0.2607635	0	0	0	0
cov6_8	8.9033	-305.085	0.2607614	0	0	0	0
cov6_10	8.925	-305.096	0.2612414	0	0	0	0

cov2_6	8.9492	-305.108	0.2607445	0	0	0	0.004176705
cov4_10	8.9925	-305.13	0.2631	0	0	0	0
cov3_4	9.0281	-305.148	0.2666611	0	0	0	0
cov4_9	9.1433	-305.205	0.2637011	0	0	0	0
cov2_4	9.2378	-305.253	0.2647903	0	0	0	0.005397076
cov4_8	9.2391	-305.253	0.2649589	0	0	0	0
cov4_7	9.2394	-305.253	0.2649583	0	0	0	0
cov2_3	9.6542	-305.461	0.2661835	0	0	0	0.070976054
cov2_7	10.7036	-305.986	0.2624368	0	0	0	0.065290795
cov2_8	10.7037	-305.986	0.2624382	0	0	0	0.065291835
cov2_10	10.7506	-306.009	0.2618983	0	0	0	0.063676135
cov2_9	10.77	-306.019	0.2625129	0	0	0	0.066462856
cov5_9_10	11.552	-302.895	0.259083	0	0	0	0
cov3_5_11	11.6222	-302.93	0.2596069	0	0	0	0
cov2_5_11	11.6777	-302.958	0.2556215	0	0	0	-0.045328679
cov2_5_10	11.832	-303.035	0.2562715	0	0	0	-0.046668676
cov3_4_5	11.9017	-303.07	0.2599682	0	0	0	0
cov4_5_11	11.9574	-303.098	0.2552792	0	0	0	0
cov3_5_10	12.0127	-303.126	0.2604046	0	0	0	0
cov4_5_10	12.0426	-303.141	0.2557032	0	0	0	0
cov1_5_11	12.1104	-303.174	0.256975	0	-0.036014963	0	0
cov4_5_8	12.1252	-303.182	0.2575794	0	0	0	0
cov4_5_7	12.1262	-303.182	0.2575769	0	0	0	0
cov2_5_9	12.1321	-303.185	0.2573255	0	0	0	-0.039983476
cov5_8_11	12.1493	-303.194	0.2572941	0	0	0	0
cov5_7_11	12.1498	-303.194	0.2572893	0	0	0	0
cov5_6_11	12.1747	-303.207	0.256735	0	0	0	0
cov2_4_5	12.1966	-303.218	0.2579244	0	0	0	-0.016351301
cov4_5_9	12.2058	-303.222	0.2565416	0	0	0	0
cov5_10_11	12.2099	-303.224	0.2566717	0	0	0	0
cov2_3_5	12.2192	-303.229	0.2613142	0	0	0	-0.021594087
cov3_5_9	12.2333	-303.236	0.2609614	0	0	0	0
cov3_10	12.2554	-306.761	0.2622591	0	0	0	0
cov1_4_5	12.2577	-303.248	0.2576683	0	-0.007120483	0	0
cov1_2_5	12.2588	-303.249	0.2588031	0	0.029039973	0	-0.04124934
cov1_5_10	12.2588	-303.249	0.2577139	0	-0.039655224	0	0
cov4_5_6	12.265	-303.252	0.2575664	0	0	0	0
cov2_5_8	12.2786	-303.259	0.2597065	0	0	0	-0.02888977
cov2_5_7	12.2799	-303.259	0.2597035	0	0	0	-0.028872151
cov5_9_11	12.2871	-303.263	0.2572152	0	0	0	0
cov2_5_6	12.3061	-303.272	0.2593538	0	0	0	-0.034817038
cov5_6_10	12.3274	-303.283	0.2575683	0	0	0	0
cov1_3_5	12.3324	-303.285	0.2620849	0	0.014280164	0	0
cov3_5_6	12.3438	-303.291	0.2621784	0	0	0	0
cov3_5_7	12.3483	-303.293	0.262395	0	0	0	0
cov3_5_8	12.3496	-303.294	0.2623743	0	0	0	0
cov5_8_10	12.3934	-303.316	0.2584384	0	0	0	0

cov5_7_10	12.3939	-303.316	0.2584349	0	0	0
cov1_5_9	12.5176	-303.378	0.258659	0	-0.02370422	0
cov5_8_9	12.5262	-303.382	0.2592053	0	0	0
cov5_7_9	12.527	-303.383	0.259201	0	0	0
cov5_6_9	12.5438	-303.391	0.2585708	0	0	0
cov1_5_8	12.5536	-303.396	0.260089	0	-0.00704788	0
cov1_5_7	12.5547	-303.397	0.2600859	0	-0.007021659	0
cov5_6_8	12.5585	-303.398	0.2599683	0	0	0
cov5_6_7	12.5597	-303.399	0.2599648	0	0	0
cov5_7_8	12.5626	-303.401	0.2599439	0	0	0
cov3_9	12.5692	-306.918	0.2625431	0	0	0
cov1_5_6	12.6226	-303.431	0.2598817	0	-0.005272541	0
cov1_3_11	12.656	-303.447	0.2599557	0	0.054591816	0
cov1_3_7	12.8841	-303.561	0.2654664	0	0.10421743	0
cov1_3_8	12.9005	-303.569	0.2654069	0	0.1040657	0
cov3_6_11	13.0356	-303.637	0.260043	0	0	0
cov9_10	13.0496	-307.159	0.2603258	0	0	0
cov3_4_11	13.1997	-303.719	0.2599852	0	0	0
cov7_10	13.2735	-307.271	0.2598136	0	0	0
cov8_10	13.2745	-307.271	0.2598165	0	0	0
cov1_2_3	13.3452	-303.792	0.26206	0	0.12665089	-0.034992917
cov3_7	13.3507	-307.309	0.266279	0	0	0
cov3_8	13.3525	-307.31	0.266258	0	0	0
cov3_10_11	13.4065	-303.822	0.2574498	0	0	0
cov3_7_11	13.4567	-303.848	0.2593028	0	0	0
cov3_8_11	13.4592	-303.849	0.2592812	0	0	0
cov7_9	13.4846	-307.376	0.2601898	0	0	0
cov8_9	13.4854	-307.376	0.2601915	0	0	0
cov2_3_11	13.5112	-303.875	0.2590504	0	0	0.01276643
cov3_9_11	13.5437	-303.891	0.2579061	0	0	0
cov1_3_9	13.5502	-303.894	0.2637684	0	0.10094028	0
cov1_3_4	13.5912	-303.915	0.2633442	0	0.091246337	0
cov1_3_6	13.6053	-303.922	0.2631482	0	0.094291076	0
cov1_3_10	13.6062	-303.922	0.2631087	0	0.096696533	0
cov1_2_4	13.6997	-303.969	0.2603178	0	0.11256202	-0.075651495
cov7_8	13.9194	-307.593	0.2626599	0	0	0
cov1_9_10	13.9673	-304.103	0.2606866	0	0.10151852	0
cov2_4_11	14.0059	-304.122	0.2577895	0	0	-0.041973496
cov1_2_11	14.0308	-304.135	0.2549783	0	0.094101662	-0.041778362
cov1_4_11	14.0894	-304.164	0.2579442	0	0.037655386	0
cov3_6_8	14.1823	-304.21	0.2668796	0	0	0
cov3_6_7	14.1888	-304.214	0.2668886	0	0	0
cov1_9_11	14.2063	-304.222	0.257686	0	0.068983415	0
cov4_7_11	14.2116	-304.225	0.257662	0	0	0
cov4_8_11	14.2123	-304.225	0.2576695	0	0	0
cov1_7_11	14.2544	-304.246	0.2561365	0	0.05402222	0
cov1_8_11	14.2553	-304.247	0.2561417	0	0.054083929	0

cov4_6_11	14.2779	-304.258	0.2583616	0	0	0
cov1_10_11	14.3563	-304.297	0.256951	0	0.064309719	0
cov4_10_11	14.3598	-304.299	0.2577237	0	0	0
cov4_9_11	14.379	-304.309	0.2582023	0	0	0
cov1_6_11	14.3948	-304.317	0.2562029	0	0.066935461	0
cov1_2_9	14.4106	-304.325	0.2593905	0	0.13075028	-0.036639406
cov3_4_6	14.4254	-304.332	0.2653712	0	0	0
cov1_4_9	14.5017	-304.37	0.2615069	0	0.07952998	0
cov1_2_10	14.5608	-304.4	0.2586176	0	0.12678392	-0.037165945
cov1_2_8	14.5826	-304.411	0.2580689	0	0.12312664	-0.037794653
cov1_2_7	14.5829	-304.411	0.2580679	0	0.12312364	-0.037790548
cov1_4_10	14.6042	-304.421	0.2609346	0	0.072628777	0
cov1_4_8	14.6042	-304.421	0.2607227	0	0.069682279	0
cov1_4_7	14.6045	-304.421	0.2607215	0	0.069684741	0
cov1_2_6	14.6068	-304.423	0.2579821	0	0.12289911	-0.038005896
cov1_4_6	14.6146	-304.427	0.2606642	0	0.072455551	0
cov6_7_11	14.6342	-304.436	0.2560546	0	0	0
cov6_8_11	14.6398	-304.439	0.2560556	0	0	0
cov1_8_9	14.659	-304.449	0.2606405	0	0.099386306	0
cov1_7_9	14.6596	-304.449	0.2606371	0	0.09937996	0
cov3_6_9	14.6934	-304.466	0.2652112	0	0	0
cov1_6_9	14.6941	-304.466	0.260552	0	0.095725936	0
cov2_3_6	14.7049	-304.472	0.2648088	0	0	0.006923813
cov3_6_10	14.7139	-304.476	0.2644713	0	0	0
cov6_9_11	14.7467	-304.493	0.2575918	0	0	0
cov9_10_11	14.7661	-304.502	0.2546709	0	0	0
cov1_8_10	14.8221	-304.53	0.2598957	0	0.095074062	0
cov1_7_10	14.8225	-304.53	0.2598922	0	0.095067562	0
cov2_6_11	14.8445	-304.541	0.2559804	0	0	-0.011686672
cov1_6_10	14.8546	-304.547	0.259779	0	0.093893259	0
cov2_4_6	14.8548	-304.547	0.2632326	0	0	-0.041208093
cov6_10_11	14.8618	-304.55	0.2567929	0	0	0
cov1_6_8	14.8876	-304.563	0.2591516	0	0.091442416	0
cov1_7_8	14.8876	-304.563	0.2591627	0	0.090686576	0
cov1_6_7	14.8878	-304.563	0.259152	0	0.091319936	0
cov2_7_11	15.0618	-304.65	0.2549251	0	0	0.009256537
cov2_8_11	15.065	-304.652	0.254933	0	0	0.009314131
cov7_9_11	15.0709	-304.655	0.2547879	0	0	0
cov8_9_11	15.0744	-304.656	0.254794	0	0	0
cov7_10_11	15.094	-304.666	0.2542893	0	0	0
cov7_8_11	15.0963	-304.667	0.2543969	0	0	0
cov8_10_11	15.0978	-304.668	0.254295	0	0	0
cov4_6_9	15.1402	-304.689	0.2633724	0	0	0
cov6_9_10	15.157	-304.698	0.2622663	0	0	0
cov4_6_7	15.1643	-304.701	0.2627465	0	0	0
cov4_6_8	15.1652	-304.702	0.2627479	0	0	0
cov4_6_10	15.1785	-304.708	0.2626676	0	0	0

cov2_9_11	15.412	-304.825	0.2557908	0	0	0	0.017241837
cov2_10_11	15.4328	-304.836	0.2551406	0	0	0	0.014435349
cov4_9_10	15.4386	-304.839	0.2639756	0	0	0	0
cov3_4_10	15.6208	-304.93	0.2646699	0	0	0	0
cov6_7_9	15.7667	-305.003	0.2622196	0	0	0	0
cov6_8_9	15.7709	-305.005	0.2622149	0	0	0	0
cov2_6_9	15.8249	-305.032	0.2621491	0	0	0	0.005890894
cov3_4_9	15.8397	-305.039	0.265142	0	0	0	0
cov6_7_10	15.8931	-305.066	0.261397	0	0	0	0
cov6_8_10	15.8971	-305.068	0.2613928	0	0	0	0
cov6_7_8	15.9212	-305.08	0.2607567	0	0	0	0
cov2_6_7	15.9243	-305.081	0.2608233	0	0	0	0.003868966
cov2_6_8	15.9278	-305.083	0.2608218	0	0	0	0.003937988
cov2_6_10	15.9468	-305.093	0.2613373	0	0	0	0.004999658
cov2_3_4	15.9504	-305.094	0.2665467	0	0	0	0.022149147
cov3_4_7	15.9649	-305.102	0.267669	0	0	0	0
cov3_4_8	15.9685	-305.103	0.2676375	0	0	0	0
cov2_4_10	15.9985	-305.118	0.263115	0	0	0	-0.010338451
cov4_8_10	16.0197	-305.129	0.2631099	0	0	0	0
cov4_7_10	16.0198	-305.129	0.263109	0	0	0	0
cov2_4_9	16.1688	-305.204	0.2637049	0	0	0	-0.004087272
cov4_8_9	16.169	-305.204	0.2637154	0	0	0	0
cov4_7_9	16.1691	-305.204	0.2637142	0	0	0	0
cov2_4_8	16.2591	-305.249	0.2647788	0	0	0	0.005803338
cov2_4_7	16.2595	-305.249	0.2647782	0	0	0	0.005801675
cov4_7_8	16.2677	-305.253	0.2649606	0	0	0	0
cov2_3_7	16.2884	-305.263	0.2682149	0	0	0	0.075740576
cov2_3_8	16.2973	-305.268	0.2681671	0	0	0	0.075651925
cov2_3_10	16.5364	-305.387	0.2650231	0	0	0	0.065380143
cov2_3_9	16.6485	-305.443	0.2655692	0	0	0	0.068139996
cov2_9_10	17.236	-305.737	0.262774	0	0	0	0.066820612
cov2_7_10	17.717	-305.978	0.2620087	0	0	0	0.063389382
cov2_8_10	17.7172	-305.978	0.2620114	0	0	0	0.06339698
cov2_7_9	17.7296	-305.984	0.2626396	0	0	0	0.066163966
cov2_8_9	17.7297	-305.984	0.2626427	0	0	0	0.066171952
cov2_7_8	17.7326	-305.986	0.2624385	0	0	0	0.06529226
cov2_5_9_10	17.9888	-302.599	0.2571104	0	0	0	-0.046037764
cov4_5_9_10	18.1402	-302.675	0.2564321	0	0	0	0
cov3_5_9_10	18.1623	-302.686	0.2612608	0	0	0	0
cov3_4_5_11	18.1721	-302.691	0.2574845	0	0	0	0
cov2_3_5_11	18.248	-302.729	0.2579006	0	0	0	-0.037535433
cov5_9_10_11	18.288	-302.749	0.2573216	0	0	0	0
cov2_5_10_11	18.3342	-302.772	0.2533425	0	0	0	-0.059192317
cov1_5_9_10	18.4624	-302.836	0.2586305	0	-0.032167226	0	0
cov3_5_10_11	18.4628	-302.836	0.2586717	0	0	0	0
cov2_5_8_11	18.4773	-302.843	0.2554471	0	0	0	-0.048920742
cov2_5_7_11	18.4779	-302.844	0.2554414	0	0	0	-0.048915774

cov3_4_5_10	18.4819	-302.846	0.2578426	0	0	0	0
cov5_6_9_10	18.5118	-302.861	0.2585315	0	0	0	0
cov5_8_9_10	18.5341	-302.872	0.2592992	0	0	0	0
cov5_7_9_10	18.5347	-302.872	0.2592953	0	0	0	0
cov2_5_9_11	18.5851	-302.897	0.2542856	0	0	0	-0.052972194
cov3_5_7_11	18.6066	-302.908	0.2601775	0	0	0	0
cov3_5_8_11	18.6086	-302.909	0.2601569	0	0	0	0
cov3_5_9_11	18.6152	-302.912	0.2591619	0	0	0	0
cov1_3_5_11	18.6167	-302.913	0.2593098	0	-0.016618018	0	0
cov2_3_5_10	18.6207	-302.915	0.2582286	0	0	0	-0.039867679
cov3_5_6_11	18.6231	-302.916	0.2592166	0	0	0	0
cov2_4_5_11	18.6702	-302.94	0.2550645	0	0	0	-0.038407996
cov2_5_6_11	18.705	-302.957	0.2555819	0	0	0	-0.044316058
cov1_2_5_11	18.7067	-302.958	0.2556243	0	-0.000730847	0	-0.045063289
cov1_5_10_11	18.73	-302.97	0.2545644	0	-0.074001978	0	0
cov4_5_8_11	18.7455	-302.977	0.2549569	0	0	0	0
cov4_5_7_11	18.7456	-302.977	0.2549494	0	0	0	0
cov3_4_5_9	18.7468	-302.978	0.2585361	0	0	0	0
cov2_4_5_10	18.7831	-302.996	0.2553686	0	0	0	-0.037060958
cov1_4_5_11	18.7939	-303.002	0.25485	0	-0.037318401	0	0
cov2_5_8_10	18.8102	-303.01	0.2564769	0	0	0	-0.046816767
cov2_5_7_10	18.8108	-303.01	0.2564751	0	0	0	-0.046814875
cov1_4_5_10	18.8238	-303.017	0.2548175	0	-0.046567316	0	0
cov2_5_6_10	18.8537	-303.032	0.2561635	0	0	0	-0.04489222
cov1_2_5_10	18.8584	-303.034	0.2562673	0	-0.005495446	0	-0.044940588
cov3_7_10	18.8632	-306.551	0.2637173	0	0	0	0
cov3_8_10	18.8693	-306.554	0.2636841	0	0	0	0
cov4_5_10_11	18.8772	-303.043	0.2543745	0	0	0	0
cov4_5_6_11	18.8833	-303.046	0.2547781	0	0	0	0
cov1_3_4_5	18.8955	-303.052	0.2600341	0	0.015374452	0	0
cov3_4_5_6	18.8979	-303.054	0.2601182	0	0	0	0
cov1_5_8_11	18.9037	-303.057	0.2568202	0	-0.045829474	0	0
cov1_5_7_11	18.904	-303.057	0.2568152	0	-0.045843804	0	0
cov3_5_7_10	18.909	-303.059	0.2611982	0	0	0	0
cov3_5_8_10	18.9132	-303.061	0.2611712	0	0	0	0
cov3_4_5_7	18.93	-303.07	0.2600682	0	0	0	0
cov3_4_5_8	18.9302	-303.07	0.2600528	0	0	0	0
cov2_3_4_5	18.9308	-303.07	0.2599674	0	0	0	-0.000191313
cov4_5_6_10	18.9448	-303.077	0.2549839	0	0	0	0
cov5_6_10_11	18.9459	-303.078	0.2548359	0	0	0	0
cov4_5_8_10	18.9556	-303.082	0.255819	0	0	0	0
cov4_5_7_10	18.956	-303.083	0.2558146	0	0	0	0
cov3_9_10	18.9582	-306.598	0.2628655	0	0	0	0
cov2_3_5_9	18.96	-303.085	0.2591367	0	0	0	-0.033677128
cov4_5_9_11	18.9781	-303.094	0.255017	0	0	0	0
cov1_3_5_10	19.001	-303.105	0.2598856	0	-0.020172559	0	0
cov3_5_6_10	19.0113	-303.11	0.2598958	0	0	0	0

cov1_5_9_11	19.0146	-303.112	0.2555995	0	-0.056845518	0	0
cov5_6_8_11	19.0163	-303.113	0.2565632	0	0	0	0
cov5_6_7_11	19.0191	-303.114	0.2565635	0	0	0	0
cov1_2_3_5	19.0336	-303.121	0.260929	0	0.04559571	0	-0.039239816
cov2_4_5_9	19.0584	-303.134	0.2562995	0	0	0	-0.028917616
cov2_4_5_8	19.0935	-303.151	0.2579238	0	0	0	-0.015212047
cov2_4_5_7	19.0947	-303.152	0.2579182	0	0	0	-0.015186778
cov2_5_8_9	19.1009	-303.155	0.2575568	0	0	0	-0.040170125
cov2_5_7_9	19.1017	-303.156	0.2575525	0	0	0	-0.040168495
cov4_5_8_9	19.1064	-303.158	0.2566776	0	0	0	0
cov4_5_7_9	19.1071	-303.158	0.256672	0	0	0	0
cov5_8_10_11	19.1264	-303.168	0.2567453	0	0	0	0
cov5_7_10_11	19.1266	-303.168	0.25674	0	0	0	0
cov1_4_5_9	19.1334	-303.171	0.2559827	0	-0.029781859	0	0
cov1_5_6_11	19.1343	-303.172	0.2568561	0	-0.030412206	0	0
cov1_4_5_8	19.1351	-303.172	0.2577613	0	-0.010225469	0	0
cov1_4_5_7	19.1363	-303.173	0.2577579	0	-0.010197441	0	0
cov2_3_5_6	19.1427	-303.176	0.2614345	0	0	0	-0.030050211
cov5_6_9_11	19.1454	-303.177	0.2557899	0	0	0	0
cov4_5_6_8	19.15	-303.18	0.2576141	0	0	0	0
cov4_5_6_7	19.1513	-303.18	0.2576098	0	0	0	0
cov1_2_5_9	19.1534	-303.181	0.2573356	0	0.009445531	0	-0.042971119
cov4_5_7_8	19.1543	-303.182	0.2575798	0	0	0	0
cov2_5_6_9	19.1605	-303.185	0.2573623	0	0	0	-0.040552973
cov5_7_8_11	19.1783	-303.194	0.2572928	0	0	0	0
cov5_8_9_11	19.1784	-303.194	0.257313	0	0	0	0
cov5_7_9_11	19.1788	-303.194	0.257307	0	0	0	0
cov4_5_6_9	19.1898	-303.2	0.2561007	0	0	0	0
cov3_5_7_9	19.1905	-303.2	0.2615377	0	0	0	0
cov3_5_8_9	19.1935	-303.201	0.2615149	0	0	0	0
cov1_2_4_5	19.2071	-303.208	0.2578692	0	0.014439616	0	-0.02508415
cov2_4_5_6	19.2122	-303.211	0.2579622	0	0	0	-0.020942874
cov1_2_5_8	19.2235	-303.216	0.2590217	0	0.027005028	0	-0.040993329
cov1_2_5_7	19.2247	-303.217	0.2590184	0	0.027026659	0	-0.040985605
cov1_5_8_10	19.23	-303.22	0.2579155	0	-0.040871199	0	0
cov1_5_7_10	19.2305	-303.22	0.2579119	0	-0.040878072	0	0
cov1_3_7_11	19.2395	-303.224	0.2622112	0	0.06648519	0	0
cov2_3_5_8	19.2478	-303.229	0.2612273	0	0	0	-0.022061817
cov2_3_5_7	19.248	-303.229	0.2612469	0	0	0	-0.021956181
cov1_3_8_11	19.2496	-303.229	0.2621534	0	0.066211829	0	0
cov3_5_6_9	19.2603	-303.235	0.2608243	0	0	0	0
cov1_3_5_9	19.2608	-303.235	0.2608557	0	-0.004023593	0	0
cov2_5_6_8	19.2612	-303.235	0.2595378	0	0	0	-0.035239525
cov2_5_6_7	19.2616	-303.235	0.2595364	0	0	0	-0.035280049
cov3_7_9	19.2672	-306.753	0.2638228	0	0	0	0
cov3_8_9	19.2724	-306.755	0.2637924	0	0	0	0
cov1_5_6_10	19.2797	-303.245	0.257568	0	-0.032970595	0	0



cov1_4_5_6	19.2852	-303.247	0.2576964	0	-0.010401927	0	0
cov1_3_5_7	19.2868	-303.248	0.2631874	0	0.030327941	0	0
cov1_2_5_6	19.2871	-303.248	0.2588317	0	0.026786547	0	-0.04133544
cov1_3_5_8	19.2911	-303.25	0.2631393	0	0.029720322	0	0
cov2_5_7_8	19.3074	-303.258	0.2597067	0	0	0	-0.028896115
cov5_6_8_10	19.3084	-303.259	0.2577682	0	0	0	0
cov5_6_7_10	19.3099	-303.26	0.2577649	0	0	0	0
cov3_5_6_7	19.3359	-303.273	0.262927	0	0	0	0
cov3_5_6_8	19.3375	-303.273	0.2629065	0	0	0	0
cov1_2_3_11	19.3511	-303.28	0.2586683	0	0.086794078	0	-0.039626124
cov1_3_5_6	19.361	-303.285	0.2621122	0	0.012512815	0	0
cov3_5_7_8	19.3758	-303.293	0.2624011	0	0	0	0
cov5_7_8_10	19.4224	-303.316	0.2584388	0	0	0	0
cov1_5_8_9	19.4833	-303.346	0.2588793	0	-0.025018225	0	0
cov1_5_7_9	19.484	-303.347	0.2588749	0	-0.025023883	0	0
cov5_6_8_9	19.5158	-303.363	0.2587951	0	0	0	0
cov5_6_7_9	19.5172	-303.363	0.2587928	0	0	0	0
cov1_5_6_9	19.5443	-303.377	0.2585775	0	-0.020105538	0	0
cov5_7_8_9	19.5553	-303.382	0.2592061	0	0	0	0
cov1_5_6_8	19.5826	-303.396	0.2600989	0	-0.007765885	0	0
cov1_5_7_8	19.5826	-303.396	0.2600893	0	-0.007050905	0	0
cov1_5_6_7	19.5836	-303.396	0.2600985	0	-0.007934997	0	0
cov5_6_7_8	19.5873	-303.398	0.2599692	0	0	0	0
cov3_9_10_11	19.5945	-303.402	0.258109	0	0	0	0
cov1_3_9_11	19.6601	-303.435	0.26043	0	0.057951983	0	0
cov1_2_3_7	19.6634	-303.436	0.264406	0	0.13342536	0	-0.034241641
cov1_3_10_11	19.6764	-303.443	0.2596954	0	0.052666625	0	0
cov1_2_3_8	19.6801	-303.445	0.2643472	0	0.13325979	0	-0.034226862
cov1_3_6_11	19.6811	-303.445	0.2598556	0	0.059494227	0	0
cov1_3_4_11	19.6818	-303.446	0.2600753	0	0.052207328	0	0
cov1_3_9_10	19.7125	-303.461	0.2641718	0	0.10292676	0	0
cov3_6_8_11	19.7656	-303.487	0.2618961	0	0	0	0
cov3_6_7_11	19.7661	-303.488	0.2619064	0	0	0	0
cov1_3_7_10	19.8424	-303.526	0.2649819	0	0.10030785	0	0
cov1_3_8_10	19.8602	-303.535	0.2649246	0	0.1001891	0	0
cov1_3_4_7	19.9081	-303.559	0.2653673	0	0.10762223	0	0
cov1_3_7_8	19.9119	-303.561	0.2654716	0	0.10422384	0	0
cov1_3_6_7	19.9128	-303.561	0.2654869	0	0.1027189	0	0
cov1_3_7_9	19.9132	-303.561	0.2654615	0	0.10418489	0	0
cov1_3_4_8	19.925	-303.567	0.2653117	0	0.10731744	0	0
cov1_3_6_8	19.9288	-303.569	0.2654404	0	0.10170225	0	0
cov1_3_8_9	19.9296	-303.569	0.2654076	0	0.10407068	0	0
cov3_4_6_11	19.9847	-303.597	0.2605598	0	0	0	0
cov7_9_10	19.9892	-307.114	0.260392	0	0	0	0
cov8_9_10	19.9901	-307.114	0.2603946	0	0	0	0
cov2_3_6_11	20.0226	-303.616	0.2596811	0	0	0	-0.012334891
cov3_6_10_11	20.0371	-303.623	0.2595165	0	0	0	0

cov1_2_4_11	20.0554	-303.632	0.2571879	0	0.079830722	0	-0.081775668
cov3_6_9_11	20.0579	-303.634	0.2603239	0	0	0	0
cov3_4_10_11	20.0849	-303.647	0.2591218	0	0	0	0
cov3_4_7_11	20.1017	-303.656	0.2609934	0	0	0	0
cov3_4_8_11	20.1048	-303.657	0.2609675	0	0	0	0
cov1_2_3_4	20.1335	-303.671	0.2625254	0	0.11949905	0	-0.057540583
cov2_3_4_11	20.1489	-303.679	0.2596914	0	0	0	-0.020386179
cov3_7_10_11	20.1509	-303.68	0.2585418	0	0	0	0
cov3_8_10_11	20.1552	-303.682	0.2585145	0	0	0	0
cov3_4_9_11	20.2061	-303.708	0.2596157	0	0	0	0
cov7_8_10	20.3026	-307.271	0.2598132	0	0	0	0
cov1_2_3_9	20.3268	-303.768	0.2626964	0	0.13004914	0	-0.034444112
cov2_3_7_11	20.3635	-303.786	0.2604992	0	0	0	0.017584902
cov2_3_8_11	20.3672	-303.788	0.2604657	0	0	0	0.017488461
cov1_2_3_6	20.3716	-303.79	0.2621101	0	0.12254358	0	-0.035147895
cov1_2_3_10	20.3736	-303.791	0.2619869	0	0.12627378	0	-0.035083033
cov3_7_9_11	20.3765	-303.793	0.2588025	0	0	0	0
cov3_7_8	20.3793	-307.309	0.2662816	0	0	0	0
cov3_8_9_11	20.3799	-303.795	0.2587793	0	0	0	0
cov2_3_10_11	20.4125	-303.811	0.2579836	0	0	0	0.007741686
cov1_9_10_11	20.4592	-303.834	0.2577574	0	0.069341458	0	0
cov3_7_8_11	20.4856	-303.847	0.2593045	0	0	0	0
cov7_8_9	20.5137	-307.376	0.2601894	0	0	0	0
cov2_3_9_11	20.5255	-303.867	0.2586668	0	0	0	0.011066336
cov1_3_4_9	20.5733	-303.891	0.2638724	0	0.097118776	0	0
cov1_3_6_9	20.5755	-303.892	0.2638632	0	0.095997255	0	0
cov4_9_10_11	20.5864	-303.898	0.2583352	0	0	0	0
cov1_3_4_10	20.6195	-303.914	0.263285	0	0.090548923	0	0
cov1_3_4_6	20.6197	-303.915	0.263368	0	0.089444098	0	0
cov1_3_6_10	20.6344	-303.922	0.2631523	0	0.094294989	0	0
cov1_2_9_10	20.6616	-303.935	0.2594832	0	0.13512968	0	-0.039676394
cov2_4_6_11	20.6681	-303.939	0.2582802	0	0	0	-0.059200699
cov1_2_4_9	20.7082	-303.959	0.2607127	0	0.11552758	0	-0.073265127
cov1_2_4_10	20.7178	-303.964	0.2600496	0	0.11057241	0	-0.077507444
cov1_2_4_8	20.7278	-303.969	0.2603243	0	0.11248398	0	-0.075454015
cov1_2_4_7	20.728	-303.969	0.2603236	0	0.1124899	0	-0.07546735
cov1_2_4_6	20.7287	-303.969	0.2603079	0	0.11334213	0	-0.075629682
cov1_4_9_10	20.7757	-303.993	0.261777	0	0.080014801	0	0
cov2_4_7_11	20.8446	-304.027	0.25734	0	0	0	-0.043055757
cov2_4_8_11	20.845	-304.027	0.2573466	0	0	0	-0.043071553
cov2_4_10_11	20.861	-304.035	0.2566182	0	0	0	-0.053742795
cov1_2_9_11	20.888	-304.049	0.2563282	0	0.10124705	0	-0.040452394
cov1_2_7_11	20.9101	-304.06	0.2547906	0	0.087957582	0	-0.041879464
cov1_2_8_11	20.9108	-304.06	0.254796	0	0.088024806	0	-0.041893338
cov3_6_9_10	20.9124	-304.061	0.2656155	0	0	0	0
cov1_8_9_10	20.965	-304.087	0.2608391	0	0.1011647	0	0
cov1_7_9_10	20.9655	-304.087	0.2608361	0	0.101159	0	0

cov1_6_9_10	20.9943	-304.102	0.2607546	0	0.097846287	0	0
cov2_4_9_11	21.0014	-304.105	0.2572504	0	0	0	-0.047019711
cov1_4_7_11	21.0114	-304.11	0.2576581	0	0.033775431	0	0
cov1_4_8_11	21.0117	-304.111	0.257664	0	0.033800944	0	0
cov6_9_10_11	21.0146	-304.112	0.257643	0	0	0	0
cov1_4_9_11	21.0231	-304.116	0.2587042	0	0.047318189	0	0
cov1_2_10_11	21.0277	-304.119	0.2555338	0	0.096953621	0	-0.041062826
cov3_4_6_8	21.0288	-304.119	0.2672492	0	0	0	0
cov3_4_6_7	21.0319	-304.121	0.2672665	0	0	0	0
cov1_2_6_11	21.0558	-304.133	0.2548906	0	0.098954793	0	-0.041602077
cov1_7_9_11	21.069	-304.139	0.2575774	0	0.062833344	0	0
cov1_8_9_11	21.0691	-304.139	0.2575828	0	0.062890923	0	0
cov1_4_6_11	21.1061	-304.158	0.2577746	0	0.046080961	0	0
cov1_4_10_11	21.1132	-304.161	0.25811	0	0.039873941	0	0
cov3_6_8_10	21.1167	-304.163	0.2661806	0	0	0	0
cov3_6_7_10	21.1232	-304.166	0.2661937	0	0	0	0
cov4_6_7_11	21.1636	-304.186	0.25796	0	0	0	0
cov4_6_8_11	21.1654	-304.187	0.2579663	0	0	0	0
cov2_3_6_8	21.184	-304.197	0.2670787	0	0	0	0.009667785
cov2_3_6_7	21.1891	-304.199	0.2670974	0	0	0	0.009935208
cov3_6_8_9	21.2084	-304.209	0.2667393	0	0	0	0
cov3_6_7_8	21.2113	-304.21	0.266881	0	0	0	0
cov3_6_7_9	21.2149	-304.212	0.2667489	0	0	0	0
cov4_7_9_11	21.2262	-304.218	0.2579421	0	0	0	0
cov4_8_9_11	21.2268	-304.218	0.2579507	0	0	0	0
cov1_7_10_11	21.2282	-304.219	0.2568212	0	0.058322704	0	0
cov1_8_10_11	21.2287	-304.219	0.2568277	0	0.058392258	0	0
cov4_7_10_11	21.232	-304.221	0.2574614	0	0	0	0
cov4_8_10_11	21.2327	-304.221	0.2574696	0	0	0	0
cov1_6_9_11	21.2348	-304.222	0.2576358	0	0.070851088	0	0
cov4_7_8_11	21.2406	-304.225	0.2576632	0	0	0	0
cov4_6_9_11	21.2645	-304.237	0.2589829	0	0	0	0
cov1_6_7_11	21.2765	-304.243	0.2560115	0	0.060525426	0	0
cov1_6_8_11	21.2767	-304.243	0.2560092	0	0.060847727	0	0
cov1_7_8_11	21.2835	-304.246	0.256137	0	0.054024655	0	0
cov4_6_10_11	21.3063	-304.258	0.2582882	0	0	0	0
cov7_9_10_11	21.3469	-304.278	0.2548572	0	0	0	0
cov8_9_10_11	21.3506	-304.28	0.2548629	0	0	0	0
cov2_3_4_6	21.3623	-304.286	0.2653295	0	0	0	-0.023247903
cov1_6_10_11	21.382	-304.296	0.2568361	0	0.068657648	0	0
cov1_2_8_9	21.4059	-304.308	0.2595575	0	0.13018374	0	-0.036394943
cov1_2_7_9	21.4065	-304.308	0.2595541	0	0.13017592	0	-0.036392235
cov3_4_6_10	21.4296	-304.319	0.2649247	0	0	0	0
cov4_6_9_10	21.4314	-304.32	0.26365	0	0	0	0
cov1_2_6_9	21.4346	-304.322	0.2594866	0	0.12521634	0	-0.036829911
cov3_4_6_9	21.4487	-304.329	0.2656071	0	0	0	0
cov6_7_9_11	21.5009	-304.355	0.2574498	0	0	0	0

cov6_8_9_11	21.5068	-304.358	0.2574491	0	0	0
cov1_4_8_9	21.5112	-304.36	0.2615754	0	0.080066092	0
cov1_4_7_9	21.5118	-304.361	0.2615739	0	0.08005684	0
cov1_4_6_9	21.5305	-304.37	0.2615292	0	0.078336648	0
cov1_2_8_10	21.5609	-304.385	0.2587633	0	0.12624798	-0.036929414
cov1_2_7_10	21.5614	-304.385	0.2587607	0	0.12624055	-0.036926883
cov1_2_6_10	21.5883	-304.399	0.2586679	0	0.12371064	-0.03726792
cov2_6_7_11	21.6065	-304.408	0.2556138	0	0	-0.01437606
cov1_2_6_8	21.6115	-304.41	0.2580814	0	0.12193866	-0.037840967
cov1_2_6_7	21.6117	-304.411	0.2580819	0	0.12182178	-0.037840172
cov1_2_7_8	21.6117	-304.411	0.258069	0	0.123129	-0.037796201
cov2_6_8_11	21.6133	-304.411	0.2556177	0	0	-0.014219849
cov1_4_8_10	21.6192	-304.414	0.2609859	0	0.073082772	0
cov1_4_7_10	21.6195	-304.414	0.2609838	0	0.073075918	0
cov6_7_10_11	21.6319	-304.421	0.2566306	0	0	0
cov1_4_6_8	21.6322	-304.421	0.2606892	0	0.072302296	0
cov1_4_6_7	21.6325	-304.421	0.2606889	0	0.072229469	0
cov1_4_6_10	21.6329	-304.421	0.2609069	0	0.074178165	0
cov1_4_7_8	21.6332	-304.421	0.2607237	0	0.0696774	0
cov6_8_10_11	21.6377	-304.424	0.2566301	0	0	0
cov6_7_8_11	21.6614	-304.435	0.2560572	0	0	0
cov1_6_8_9	21.6848	-304.447	0.2607282	0	0.094778064	0
cov1_6_7_9	21.6851	-304.447	0.260728	0	0.094631796	0
cov1_7_8_9	21.688	-304.449	0.2606413	0	0.099392967	0
cov2_9_10_11	21.699	-304.454	0.2557597	0	0	0.015724032
cov2_3_6_9	21.7056	-304.457	0.2653707	0	0	0.007593235
cov2_3_6_10	21.7301	-304.47	0.2646171	0	0	0.006658859
cov2_6_9_11	21.7486	-304.479	0.2572557	0	0	-0.009950599
cov1_6_8_10	21.8505	-304.53	0.2599322	0	0.093006349	0
cov2_4_6_10	21.8507	-304.53	0.2626828	0	0	-0.044820517
cov1_6_7_10	21.8508	-304.53	0.2599321	0	0.092870256	0
cov1_7_8_10	21.8512	-304.53	0.2598952	0	0.095076999	0
cov2_6_10_11	21.8576	-304.533	0.2564122	0	0	-0.011004944
cov2_4_6_7	21.8767	-304.543	0.2632268	0	0	-0.040806319
cov2_4_6_8	21.8775	-304.543	0.2632262	0	0	-0.040816352
cov2_4_6_9	21.8811	-304.545	0.2634063	0	0	-0.040188543
cov1_6_7_8	21.9166	-304.563	0.2591515	0	0.091452249	0
cov2_7_9_11	22.0464	-304.628	0.2555994	0	0	0.011890794
cov2_8_9_11	22.0493	-304.629	0.2556091	0	0	0.011956713
cov3_4_9_10	22.0748	-304.642	0.2655422	0	0	0
cov2_7_10_11	22.0909	-304.65	0.254919	0	0	0.009231484
cov2_7_8_11	22.0909	-304.65	0.2549246	0	0	0.009255674
cov2_8_10_11	22.0941	-304.652	0.2549293	0	0	0.009298828
cov7_8_9_11	22.1	-304.655	0.2547877	0	0	0
cov7_8_10_11	22.1231	-304.666	0.2542884	0	0	0
cov6_7_9_10	22.1253	-304.667	0.2624375	0	0	0
cov6_8_9_10	22.1293	-304.669	0.2624324	0	0	0

cov4_6_7_9	22.149	-304.679	0.2634304	0	0	0	0
cov4_6_8_9	22.1502	-304.68	0.2634304	0	0	0	0
cov2_6_9_10	22.1801	-304.695	0.262353	0	0	0	0.004542122
cov4_6_7_8	22.1916	-304.7	0.2627378	0	0	0	0
cov4_6_7_10	22.1932	-304.701	0.2627093	0	0	0	0
cov4_6_8_10	22.1941	-304.702	0.2627095	0	0	0	0
cov3_4_7_10	22.3167	-304.763	0.2659901	0	0	0	0
cov3_4_8_10	22.3242	-304.767	0.2659519	0	0	0	0
cov2_4_9_10	22.4548	-304.832	0.2639769	0	0	0	-0.007718373
cov4_8_9_10	22.4662	-304.838	0.2639851	0	0	0	0
cov4_7_9_10	22.4664	-304.838	0.2639842	0	0	0	0
cov3_4_7_9	22.6232	-304.916	0.2662623	0	0	0	0
cov3_4_8_9	22.6295	-304.919	0.2662251	0	0	0	0
cov2_3_4_10	22.6426	-304.926	0.2647528	0	0	0	0.006239421
cov2_6_7_9	22.7866	-304.998	0.2623224	0	0	0	0.00562816
cov6_7_8_9	22.7885	-304.999	0.2622119	0	0	0	0
cov2_6_8_9	22.7905	-305	0.2623199	0	0	0	0.005701797
cov2_3_4_7	22.796	-305.003	0.2679633	0	0	0	0.03178505
cov2_3_4_8	22.8018	-305.006	0.2679232	0	0	0	0.031590545
cov2_3_4_9	22.8421	-305.026	0.2653088	0	0	0	0.011961819
cov6_7_8_10	22.9148	-305.062	0.2613891	0	0	0	0
cov2_6_7_10	22.9156	-305.062	0.2614879	0	0	0	0.004758235
cov2_6_8_10	22.9194	-305.064	0.2614853	0	0	0	0.004828129
cov2_6_7_8	22.9464	-305.078	0.2608127	0	0	0	0.00361554
cov2_3_7_10	22.9477	-305.079	0.2668834	0	0	0	0.067904388
cov2_3_8_10	22.9593	-305.084	0.2668331	0	0	0	0.067833292
cov3_4_7_8	22.9927	-305.101	0.2676743	0	0	0	0
cov2_3_9_10	22.9948	-305.102	0.2659878	0	0	0	0.06862497
cov2_4_8_10	23.0269	-305.118	0.2631198	0	0	0	-0.010124318
cov2_4_7_10	23.027	-305.118	0.2631192	0	0	0	-0.010134458
cov4_7_8_10	23.0486	-305.129	0.2631118	0	0	0	0
cov2_3_7_9	23.1649	-305.187	0.2672421	0	0	0	0.070439211
cov2_3_8_9	23.1754	-305.192	0.2671946	0	0	0	0.070371365
cov2_4_8_9	23.1952	-305.202	0.2637167	0	0	0	-0.003661203
cov2_4_7_9	23.1953	-305.202	0.263713	0	0	0	-0.003682699
cov4_7_8_9	23.1978	-305.204	0.2637179	0	0	0	0
cov2_4_7_8	23.2878	-305.249	0.2647811	0	0	0	0.005779187
cov2_3_7_8	23.3168	-305.263	0.2682189	0	0	0	0.075742092
cov2_7_9_10	24.2023	-305.706	0.2628917	0	0	0	0.06653438
cov2_8_9_10	24.2024	-305.706	0.2628976	0	0	0	0.066542393
cov2_5_9_10_11	24.3993	-302.29	0.2539305	0	0	0	-0.059602988
cov3_5_9_10_11	24.5126	-302.346	0.2594077	0	0	0	0
cov3_4_5_9_10	24.582	-302.381	0.2586156	0	0	0	0
cov2_7_8_10	24.746	-305.978	0.2620096	0	0	0	0.063390961
cov2_7_8_9	24.7586	-305.984	0.2626412	0	0	0	0.066166965
cov2_3_5_9_10	24.7821	-302.481	0.2590793	0	0	0	-0.039301822
cov2_3_5_10_11	24.7954	-302.488	0.2554643	0	0	0	-0.052472576

cov1_5_9_10_11	24.8951	-302.538	0.2553546	0	-0.067520518	0	0
cov2_4_5_9_10	24.9135	-302.547	0.2560844	0	0	0	-0.03489682
cov4_5_9_10_11	24.9177	-302.549	0.2549189	0	0	0	0
cov3_4_5_10_11	24.9387	-302.559	0.2561559	0	0	0	0
cov2_5_8_9_10	24.9671	-302.574	0.2573325	0	0	0	-0.046184783
cov2_5_7_9_10	24.9679	-302.574	0.2573285	0	0	0	-0.046183043
cov1_4_5_9_10	24.995	-302.588	0.2556572	0	-0.03917217	0	0
cov1_2_5_9_10	25.0165	-302.598	0.2571162	0	0.00398264	0	-0.047287824
cov2_5_6_9_10	25.0177	-302.599	0.2570941	0	0	0	-0.045789791
cov4_5_8_9_10	25.0488	-302.615	0.2565801	0	0	0	0
cov4_5_7_9_10	25.0494	-302.615	0.2565749	0	0	0	0
cov3_5_7_9_10	25.0633	-302.622	0.2620237	0	0	0	0
cov3_5_8_9_10	25.0678	-302.624	0.2619964	0	0	0	0
cov5_6_9_10_11	25.0828	-302.632	0.255633	0	0	0	0
cov4_5_6_9_10	25.0894	-302.635	0.2558357	0	0	0	0
cov2_3_5_9_11	25.0963	-302.638	0.2563579	0	0	0	-0.046372063
cov2_3_4_5_11	25.1162	-302.648	0.2571354	0	0	0	-0.021003866
cov3_4_5_9_11	25.1342	-302.657	0.2567743	0	0	0	0
cov1_3_4_5_11	25.1703	-302.675	0.2572006	0	-0.015677238	0	0
cov1_3_5_9_10	25.1779	-302.679	0.260946	0	-0.011667098	0	0
cov3_5_6_9_10	25.1812	-302.681	0.260954	0	0	0	0
cov3_4_5_6_11	25.1855	-302.683	0.2572329	0	0	0	0
cov3_4_5_7_11	25.1868	-302.684	0.25785	0	0	0	0
cov3_4_5_8_11	25.1877	-302.684	0.2578329	0	0	0	0
cov2_5_7_10_11	25.1929	-302.687	0.2533376	0	0	0	-0.061248004
cov2_5_8_10_11	25.193	-302.687	0.2533443	0	0	0	-0.061236296
cov5_8_9_10_11	25.1946	-302.687	0.2574256	0	0	0	0
cov5_7_9_10_11	25.195	-302.688	0.25742	0	0	0	0
cov1_3_5_10_11	25.2301	-302.705	0.2568441	0	-0.054776402	0	0
cov1_2_5_10_11	25.2462	-302.713	0.2527634	0	-0.039168894	0	-0.049207344
cov1_2_3_5_11	25.2521	-302.716	0.2579397	0	0.016365369	0	-0.043038392
cov2_5_6_10_11	25.2675	-302.724	0.2525368	0	0	0	-0.054112548
cov2_3_5_6_11	25.2731	-302.727	0.2579884	0	0	0	-0.038954171
cov2_3_5_8_11	25.2769	-302.729	0.2578553	0	0	0	-0.037790493
cov2_3_5_7_11	25.277	-302.729	0.2578689	0	0	0	-0.037712603
cov1_4_5_10_11	25.312	-302.746	0.2517315	0	-0.080243025	0	0
cov3_5_6_10_11	25.3198	-302.75	0.2571113	0	0	0	0
cov3_5_7_10_11	25.3378	-302.759	0.2594621	0	0	0	0
cov3_5_8_10_11	25.3418	-302.761	0.2594361	0	0	0	0
cov2_4_5_10_11	25.352	-302.766	0.2530886	0	0	0	-0.054973236
cov2_5_8_9_11	25.4185	-302.799	0.2543027	0	0	0	-0.055201435
cov2_5_7_9_11	25.4187	-302.8	0.2542951	0	0	0	-0.055213585
cov3_4_5_7_10	25.4272	-302.804	0.2585376	0	0	0	0
cov3_4_5_8_10	25.4301	-302.805	0.2585133	0	0	0	0
cov2_3_4_5_10	25.433	-302.807	0.2573366	0	0	0	-0.020661029
cov1_5_8_9_10	25.4358	-302.808	0.2588439	0	-0.033368889	0	0
cov1_5_7_9_10	25.4365	-302.808	0.2588399	0	-0.033374412	0	0

cov2_4_5_8_11	25.4381	-302.809	0.254695	0	0	0	-0.039640699
cov2_4_5_7_11	25.4384	-302.809	0.254687	0	0	0	-0.039619638
cov1_4_5_7_11	25.4451	-302.813	0.2542868	0	-0.050296501	0	0
cov1_4_5_8_11	25.4456	-302.813	0.2542971	0	-0.050250713	0	0
cov1_3_4_5_10	25.4524	-302.816	0.2571391	0	-0.024208369	0	0
cov3_4_5_6_10	25.4833	-302.832	0.2573809	0	0	0	0
cov1_5_6_9_10	25.4876	-302.834	0.2585249	0	-0.02751542	0	0
cov5_6_8_9_10	25.493	-302.837	0.2587451	0	0	0	0
cov5_6_7_9_10	25.4945	-302.837	0.2587422	0	0	0	0
cov1_2_5_8_11	25.496	-302.838	0.2554895	0	-0.01046071	0	-0.045269361
cov1_2_5_7_11	25.4965	-302.838	0.2554804	0	-0.01048628	0	-0.045256691
cov2_5_6_8_11	25.4966	-302.838	0.2553517	0	0	0	-0.046608491
cov2_5_6_7_11	25.4979	-302.839	0.2553498	0	0	0	-0.046682406
cov2_5_7_8_11	25.5062	-302.843	0.2554447	0	0	0	-0.048924671
cov1_3_5_9_11	25.5226	-302.851	0.257908	0	-0.037330609	0	0
cov1_5_7_10_11	25.5369	-302.859	0.2543987	0	-0.082934516	0	0
cov1_5_8_10_11	25.5377	-302.859	0.2544085	0	-0.082841934	0	0
cov3_5_7_9_11	25.5566	-302.868	0.2597502	0	0	0	0
cov3_5_8_9_11	25.5596	-302.87	0.2597284	0	0	0	0
cov3_7_9_10	25.5604	-306.385	0.2643261	0	0	0	0
cov3_5_6_9_11	25.5613	-302.871	0.2580546	0	0	0	0
cov5_7_8_9_10	25.5631	-302.872	0.2593003	0	0	0	0
cov3_8_9_10	25.5669	-306.388	0.2642918	0	0	0	0
cov1_2_5_9_11	25.5742	-302.877	0.2539491	0	-0.022934526	0	-0.047046016
cov2_5_6_9_11	25.5751	-302.878	0.2537604	0	0	0	-0.04966194
cov2_4_5_9_11	25.5939	-302.887	0.2539475	0	0	0	-0.047315703
cov4_5_6_10_11	25.607	-302.894	0.2525539	0	0	0	0
cov2_3_5_7_10	25.6076	-302.894	0.2588653	0	0	0	-0.036536767
cov2_3_5_8_10	25.6096	-302.895	0.2588404	0	0	0	-0.036641686
cov4_5_6_8_11	25.6135	-302.897	0.2542972	0	0	0	0
cov4_5_6_7_11	25.6165	-302.898	0.2542991	0	0	0	0
cov3_5_6_7_11	25.6272	-302.904	0.2598376	0	0	0	0
cov3_5_6_8_11	25.629	-302.905	0.2598133	0	0	0	0
cov1_3_5_7_11	25.6301	-302.905	0.2598775	0	-0.008348402	0	0
cov1_3_5_8_11	25.6314	-302.906	0.2598532	0	-0.008771466	0	0
cov3_5_7_8_11	25.6348	-302.908	0.2601826	0	0	0	0
cov1_2_3_5_10	25.6399	-302.91	0.2583565	0	0.011102573	0	-0.042928238
cov1_3_5_6_11	25.6421	-302.911	0.259203	0	-0.011884708	0	0
cov1_4_5_9_11	25.6477	-302.914	0.2529952	0	-0.062242106	0	0
cov2_3_5_6_10	25.6497	-302.915	0.2582516	0	0	0	-0.040075143
cov1_2_4_5_11	25.6895	-302.935	0.2549749	0	-0.011049413	0	-0.032679303
cov2_4_5_6_11	25.6919	-302.936	0.2549316	0	0	0	-0.035581521
cov4_5_7_10_11	25.7042	-302.942	0.2542296	0	0	0	0
cov4_5_8_10_11	25.7045	-302.942	0.2542383	0	0	0	0
cov1_4_5_8_10	25.7085	-302.944	0.2548846	0	-0.049285477	0	0
cov1_4_5_7_10	25.7087	-302.944	0.2548797	0	-0.049308931	0	0
cov1_3_9_10_11	25.7195	-302.95	0.260636	0	0.057659909	0	0

cov2_4_5_8_10	25.7279	-302.954	0.2554667	0	0	0	-0.035119247
cov2_4_5_7_10	25.7285	-302.954	0.2554623	0	0	0	-0.03511216
cov1_5_6_10_11	25.7288	-302.955	0.2541794	0	-0.06192268	0	0
cov1_2_5_6_11	25.7336	-302.957	0.2555516	0	0.002844803	0	-0.044956219
cov3_4_5_7_9	25.7388	-302.96	0.2589923	0	0	0	0
cov3_4_5_8_9	25.7406	-302.96	0.2589732	0	0	0	0
cov2_3_4_5_9	25.7441	-302.962	0.258212	0	0	0	-0.01317908
cov1_2_4_5_10	25.77	-302.975	0.2549964	0	-0.024730514	0	-0.025563504
cov1_3_4_5_9	25.7705	-302.975	0.2583186	0	-0.007327699	0	0
cov4_5_7_9_11	25.7741	-302.977	0.2548826	0	0	0	0
cov4_5_8_9_11	25.7741	-302.977	0.2548919	0	0	0	0
cov4_5_7_8_11	25.7742	-302.977	0.2549528	0	0	0	0
cov3_4_5_6_9	25.7748	-302.978	0.2584368	0	0	0	0
cov2_4_5_6_10	25.7877	-302.984	0.2550545	0	0	0	-0.032408197
cov1_5_7_9_11	25.8155	-302.998	0.2554524	0	-0.065909852	0	0
cov1_5_8_9_11	25.8158	-302.998	0.2554622	0	-0.065825658	0	0
cov1_4_5_6_11	25.8219	-303.001	0.2548092	0	-0.03474485	0	0
cov5_6_8_10_11	25.8229	-303.002	0.2547923	0	0	0	0
cov5_6_7_10_11	25.8263	-303.003	0.2547948	0	0	0	0
cov2_5_6_8_10	25.8318	-303.006	0.2563694	0	0	0	-0.045021825
cov2_5_6_7_10	25.8326	-303.006	0.2563672	0	0	0	-0.045053085
cov4_5_6_9_11	25.8343	-303.007	0.2536162	0	0	0	0
cov1_2_5_8_10	25.8351	-303.008	0.2564755	0	-0.006865276	0	-0.044660059
cov1_2_5_7_10	25.8357	-303.008	0.2564718	0	-0.006873779	0	-0.044655963
cov2_5_7_8_10	25.8392	-303.01	0.2564791	0	0	0	-0.046816624
cov1_4_5_6_10	25.8494	-303.015	0.2547451	0	-0.042214363	0	0
cov4_5_6_8_10	25.8545	-303.017	0.2550951	0	0	0	0
cov4_5_6_7_10	25.8566	-303.018	0.2550939	0	0	0	0
cov1_2_5_6_10	25.8828	-303.032	0.2561672	0	-0.000523217	0	-0.044787974
cov3_7_8_10	25.8923	-306.551	0.2637178	0	0	0	0
cov1_3_4_5_7	25.895	-303.038	0.2608004	0	0.025500739	0	0
cov1_2_3_4_5	25.8968	-303.039	0.2600161	0	0.027189118	0	-0.015093424
cov1_3_4_5_8	25.8974	-303.039	0.2607597	0	0.025035069	0	0
cov1_3_7_9_10	25.9076	-303.044	0.2660708	0	0.10676638	0	0
cov3_4_5_6_7	25.9148	-303.048	0.2605725	0	0	0	0
cov3_4_5_6_8	25.9155	-303.048	0.2605605	0	0	0	0
cov2_3_4_5_6	25.9177	-303.049	0.2601315	0	0	0	-0.007440578
cov1_3_4_5_6	25.9198	-303.05	0.2600911	0	0.009776824	0	0
cov1_3_8_9_10	25.9272	-303.054	0.266011	0	0.1066367	0	0
cov1_5_6_8_11	25.9276	-303.054	0.2566999	0	-0.040196799	0	0
cov1_5_6_7_11	25.9285	-303.054	0.2567018	0	-0.040562394	0	0
cov3_5_6_7_10	25.932	-303.056	0.2609141	0	0	0	0
cov1_5_7_8_11	25.9325	-303.056	0.2568163	0	-0.045849089	0	0
cov1_2_3_5_9	25.9344	-303.057	0.2594517	0	0.026247373	0	-0.040946418
cov3_5_6_8_10	25.9364	-303.058	0.2608899	0	0	0	0
cov1_3_5_7_10	25.9373	-303.059	0.2610868	0	-0.003169888	0	0
cov3_5_7_8_10	25.9374	-303.059	0.261203	0	0	0	0



cov1_3_5_8_10	25.9413	-303.061	0.2610381	0	-0.00372864	0	0
cov1_2_3_7_11	25.9549	-303.068	0.2608941	0	0.097433518	0	-0.038425253
cov3_4_5_7_8	25.9576	-303.069	0.2600757	0	0	0	0
cov2_3_4_5_7	25.959	-303.07	0.2600817	0	0	0	0.000565856
cov2_3_4_5_8	25.9593	-303.07	0.2600622	0	0	0	0.000440945
cov1_2_3_8_11	25.965	-303.073	0.2608372	0	0.09716473	0	-0.038429419
cov2_3_5_7_9	25.9724	-303.076	0.2595365	0	0	0	-0.031541611
cov2_3_5_8_9	25.9736	-303.077	0.2595153	0	0	0	-0.031638488
cov2_3_5_6_9	25.975	-303.078	0.2593946	0	0	0	-0.035874655
cov4_5_7_8_10	25.9846	-303.082	0.2558183	0	0	0	0
cov2_4_5_8_9	25.9852	-303.083	0.2564217	0	0	0	-0.026803357
cov2_4_5_7_9	25.986	-303.083	0.2564167	0	0	0	-0.026797227
cov1_2_3_5_7	26.003	-303.092	0.2619305	0	0.059269051	0	-0.038387327
cov5_6_8_9_11	26.0035	-303.092	0.2557578	0	0	0	0
cov5_6_7_9_11	26.0066	-303.093	0.2557603	0	0	0	0
cov1_2_3_5_8	26.0069	-303.094	0.2618838	0	0.058692281	0	-0.038418545
cov1_4_5_8_9	26.015	-303.098	0.2560676	0	-0.032543565	0	0
cov1_4_5_7_9	26.0155	-303.098	0.2560612	0	-0.032563334	0	0
cov1_3_5_6_10	26.0254	-303.103	0.2597642	0	-0.015137326	0	0
cov1_5_6_9_11	26.027	-303.104	0.2553074	0	-0.047873054	0	0
cov5_6_7_8_11	26.045	-303.113	0.2565635	0	0	0	0
cov1_2_3_5_6	26.0606	-303.12	0.2609747	0	0.041969155	0	-0.039376876
cov1_2_4_5_9	26.0828	-303.132	0.2561756	0	-0.008225126	0	-0.025085801
cov2_4_5_6_9	26.0851	-303.133	0.2561971	0	0	0	-0.02744283
cov4_5_6_8_9	26.0882	-303.134	0.2562286	0	0	0	0
cov4_5_6_7_9	26.09	-303.135	0.2562271	0	0	0	0
cov2_4_5_6_8	26.1159	-303.148	0.2579466	0	0	0	-0.018477726
cov2_4_5_6_7	26.1167	-303.148	0.2579436	0	0	0	-0.018554282
cov1_2_4_5_8	26.1188	-303.15	0.2578958	0	0.00668078	0	-0.019294156
cov1_2_4_5_7	26.12	-303.15	0.2578925	0	0.006696507	0	-0.019279135
cov2_4_5_7_8	26.1226	-303.151	0.2579243	0	0	0	-0.015217333
cov3_6_9_10_11	26.1231	-303.152	0.2604992	0	0	0	0
cov1_2_5_8_9	26.1245	-303.152	0.2575627	0	0.007968868	0	-0.042688322
cov1_2_5_7_9	26.1253	-303.153	0.2575586	0	0.007962144	0	-0.042684484
cov2_5_6_8_9	26.1293	-303.155	0.257592	0	0	0	-0.040716507
cov2_5_7_8_9	26.1299	-303.155	0.2575575	0	0	0	-0.040170544
cov2_5_6_7_9	26.13	-303.155	0.2575902	0	0	0	-0.040750746
cov4_5_7_8_9	26.1354	-303.158	0.2566772	0	0	0	0
cov5_7_8_10_11	26.1553	-303.168	0.2567435	0	0	0	0
cov1_4_5_6_8	26.1611	-303.171	0.2577994	0	-0.014865733	0	0
cov1_4_5_6_7	26.1618	-303.171	0.2577987	0	-0.015144851	0	0
cov1_4_5_6_9	26.1622	-303.171	0.2559599	0	-0.02846909	0	0
cov1_4_5_7_8	26.1642	-303.172	0.2577613	0	-0.010225493	0	0
cov2_3_5_6_7	26.1647	-303.172	0.261802	0	0	0	-0.02880556
cov2_3_5_6_8	26.1651	-303.173	0.2617896	0	0	0	-0.028862922
cov1_2_3_4_11	26.174	-303.177	0.2591693	0	0.080830243	0	-0.060398758
cov4_5_6_7_8	26.179	-303.18	0.2576147	0	0	0	0

cov1_3_7_10_11	26.1815	-303.181	0.2616312	0	0.061678009	0	0
cov1_2_5_6_9	26.1818	-303.181	0.2572946	0	0.011381701	0	-0.042907221
cov1_3_8_10_11	26.1927	-303.186	0.2615736	0	0.061419252	0	0
cov5_7_8_9_11	26.2074	-303.194	0.2573117	0	0	0	0
cov1_3_5_7_9	26.2084	-303.194	0.2619806	0	0.012125581	0	0
cov1_3_5_8_9	26.2125	-303.196	0.2619322	0	0.011536307	0	0
cov3_5_7_8_9	26.2186	-303.199	0.2615436	0	0	0	0
cov3_5_6_7_9	26.2187	-303.199	0.2616503	0	0	0	0
cov3_5_6_8_9	26.2216	-303.201	0.2616301	0	0	0	0
cov1_2_4_5_6	26.2345	-303.207	0.2578991	0	0.01105195	0	-0.025104625
cov1_2_5_6_8	26.2513	-303.216	0.259056	0	0.02418778	0	-0.041100893
cov1_2_5_6_7	26.2523	-303.216	0.2590555	0	0.024025636	0	-0.041101069
cov1_2_5_7_8	26.2523	-303.216	0.2590218	0	0.027007335	0	-0.041000883
cov1_5_6_8_10	26.2524	-303.216	0.2577806	0	-0.034771458	0	0
cov1_5_6_7_10	26.2532	-303.217	0.2577798	0	-0.034930052	0	0
cov3_4_9_10_11	26.2542	-303.217	0.259823	0	0	0	0
cov1_5_7_8_10	26.2591	-303.22	0.2579156	0	-0.040869764	0	0
cov1_3_4_7_11	26.2604	-303.22	0.2620776	0	0.070720706	0	0
cov1_3_6_7_11	26.265	-303.223	0.2621147	0	0.071098289	0	0
cov1_3_7_8_11	26.2679	-303.224	0.262216	0	0.066504099	0	0
cov1_3_7_9_11	26.268	-303.224	0.2621584	0	0.066076341	0	0
cov1_3_4_8_11	26.2709	-303.226	0.2620222	0	0.070329435	0	0
cov2_3_5_7_8	26.2753	-303.228	0.2612525	0	0	0	-0.021969922
cov1_3_6_8_11	26.276	-303.228	0.2620678	0	0.070176314	0	0
cov1_3_8_9_11	26.2782	-303.229	0.2621041	0	0.065831191	0	0
cov1_3_5_6_9	26.2891	-303.235	0.2608069	0	-0.002063886	0	0
cov2_5_6_7_8	26.2903	-303.235	0.2595376	0	0	0	-0.035243173
cov3_7_8_9	26.2962	-306.753	0.2638234	0	0	0	0
cov1_3_5_7_8	26.3143	-303.247	0.2631929	0	0.030318069	0	0
cov1_3_5_6_7	26.3155	-303.248	0.2632096	0	0.028804411	0	0
cov1_3_5_6_8	26.3196	-303.25	0.2631678	0	0.027886021	0	0
cov5_6_7_8_10	26.3364	-303.258	0.2577656	0	0	0	0
cov3_7_9_10_11	26.3382	-303.259	0.2591757	0	0	0	0
cov3_8_9_10_11	26.3429	-303.262	0.2591482	0	0	0	0
cov1_2_3_9_11	26.3624	-303.271	0.2590936	0	0.089316355	0	-0.039237357
cov3_5_6_7_8	26.3644	-303.272	0.2629252	0	0	0	0
cov1_2_3_10_11	26.3646	-303.272	0.2582915	0	0.084587723	0	-0.040091039
cov1_2_3_6_11	26.3784	-303.279	0.2586084	0	0.089970216	0	-0.039519305
cov1_2_3_9_10	26.4411	-303.311	0.2629768	0	0.13476322	0	-0.037606307
cov1_5_6_8_9	26.5108	-303.346	0.2588109	0	-0.022036736	0	0
cov1_5_6_7_9	26.5117	-303.346	0.25881	0	-0.022204094	0	0
cov1_5_7_8_9	26.5123	-303.346	0.2588801	0	-0.025012639	0	0
cov5_6_7_8_9	26.5443	-303.362	0.2587937	0	0	0	0
cov2_3_9_10_11	26.5926	-303.386	0.2587345	0	0	0	0.008965516
cov1_2_3_7_10	26.6088	-303.395	0.2638223	0	0.12994421	0	-0.035150488
cov1_5_6_7_8	26.6116	-303.396	0.2600976	0	-0.007661036	0	0
cov1_2_3_4_7	26.6225	-303.401	0.2644801	0	0.12878519	0	-0.046976793

cov1_2_3_8_10	26.627	-303.404	0.2637664	0	0.12980302	0	-0.035124669
cov1_2_3_4_8	26.6373	-303.409	0.2644254	0	0.12856714	0	-0.04713599
cov3_6_7_10_11	26.6761	-303.428	0.2611059	0	0	0	0
cov3_6_8_10_11	26.6764	-303.428	0.261096	0	0	0	0
cov1_3_6_9_11	26.6875	-303.434	0.2603451	0	0.061067602	0	0
cov1_3_4_9_11	26.6885	-303.434	0.2604759	0	0.056692799	0	0
cov1_2_3_6_7	26.6909	-303.436	0.264444	0	0.13027651	0	-0.034359386
cov1_2_3_7_8	26.6911	-303.436	0.264411	0	0.13344169	0	-0.03425287
cov1_2_3_7_9	26.6921	-303.436	0.264362	0	0.13315573	0	-0.03428753
cov1_3_6_10_11	26.6996	-303.44	0.2595434	0	0.058465926	0	0
cov1_3_4_10_11	26.6997	-303.44	0.259815	0	0.049131056	0	0
cov1_3_4_6_11	26.7065	-303.443	0.2599748	0	0.0572122	0	0
cov1_2_3_6_8	26.7066	-303.443	0.2643973	0	0.12928111	0	-0.034375201
cov1_2_3_8_9	26.7089	-303.445	0.2643086	0	0.13302364	0	-0.034266844
cov1_3_4_9_10	26.7341	-303.457	0.2642863	0	0.098683131	0	0
cov1_3_6_9_10	26.7382	-303.459	0.2642591	0	0.098333593	0	0
cov3_4_6_7_11	26.7505	-303.465	0.2622175	0	0	0	0
cov3_4_6_8_11	26.751	-303.466	0.2622024	0	0	0	0
cov2_3_4_6_11	26.7713	-303.476	0.2602269	0	0	0	-0.038042265
cov2_3_6_8_11	26.7724	-303.476	0.2615777	0	0	0	-0.009038072
cov2_3_6_7_11	26.7737	-303.477	0.2615891	0	0	0	-0.008858738
cov3_6_8_9_11	26.789	-303.485	0.2617016	0	0	0	0
cov3_6_7_9_11	26.7893	-303.485	0.2617086	0	0	0	0
cov3_6_7_8_11	26.7939	-303.487	0.2619076	0	0	0	0
cov3_4_7_10_11	26.8368	-303.509	0.2602283	0	0	0	0
cov3_4_8_10_11	26.8419	-303.511	0.2601965	0	0	0	0
cov1_2_4_9_10	26.8453	-303.513	0.2608567	0	0.11905019	0	-0.079356717
cov1_3_4_7_10	26.8703	-303.525	0.2649407	0	0.10207908	0	0
cov1_3_7_8_10	26.8706	-303.525	0.2649873	0	0.10032263	0	0
cov1_3_6_7_10	26.8711	-303.526	0.2649564	0	0.10182738	0	0
cov1_3_4_8_10	26.8883	-303.534	0.2648866	0	0.10181456	0	0
cov1_3_6_8_10	26.8893	-303.535	0.2649153	0	0.10073179	0	0
cov2_3_4_10_11	26.9215	-303.551	0.2582241	0	0	0	-0.033667051
cov1_3_4_7_8	26.936	-303.558	0.2653728	0	0.10762195	0	0
cov1_3_4_6_7	26.9367	-303.558	0.2653903	0	0.10584574	0	0
cov1_3_4_7_9	26.9372	-303.559	0.2653824	0	0.10781177	0	0
cov1_3_6_7_8	26.9408	-303.561	0.2654877	0	0.10302659	0	0
cov1_3_7_8_9	26.941	-303.561	0.2654689	0	0.10420342	0	0
cov1_3_6_7_9	26.9419	-303.561	0.2654877	0	0.1027216	0	0
cov1_3_4_6_8	26.953	-303.567	0.2653466	0	0.10470539	0	0
cov1_3_4_8_9	26.954	-303.567	0.2653309	0	0.10755126	0	0
cov1_3_6_8_9	26.9578	-303.569	0.2654505	0	0.10172289	0	0
cov3_4_6_10_11	26.9698	-303.575	0.2599449	0	0	0	0
cov1_2_4_8_11	27.012	-303.596	0.256964	0	0.076022806	0	-0.080565913
cov3_4_6_9_11	27.012	-303.596	0.2606905	0	0	0	0
cov1_2_4_7_11	27.0125	-303.596	0.2569605	0	0.076004217	0	-0.080543781
cov2_3_6_10_11	27.0171	-303.599	0.2590486	0	0	0	-0.013382062

cov7_8_9_10	27.0183	-307.114	0.2603914	0	0	0	0
cov3_4_7_9_11	27.0454	-303.613	0.2605227	0	0	0	0
cov2_3_6_9_11	27.0474	-303.614	0.2599173	0	0	0	-0.011997879
cov3_4_8_9_11	27.0495	-303.615	0.2604938	0	0	0	0
cov1_2_4_10_11	27.0575	-303.619	0.256734	0	0.076236922	0	-0.084780936
cov1_2_4_9_11	27.0758	-303.628	0.2574578	0	0.081977386	0	-0.080183563
cov1_2_4_6_11	27.0759	-303.628	0.2570474	0	0.086785417	0	-0.081641851
cov1_2_9_10_11	27.0819	-303.631	0.2562512	0	0.10428446	0	-0.043796664
cov2_3_4_7_11	27.0997	-303.64	0.2606322	0	0	0	-0.013463142
cov2_3_4_8_11	27.1021	-303.641	0.2606053	0	0	0	-0.013607521
cov2_4_9_10_11	27.1033	-303.642	0.2572101	0	0	0	-0.052931899
cov2_3_4_9_11	27.1099	-303.645	0.258895	0	0	0	-0.027114451
cov2_3_7_10_11	27.1265	-303.653	0.2594444	0	0	0	0.011901373
cov3_4_7_8_11	27.1305	-303.655	0.2609969	0	0	0	0
cov2_3_8_10_11	27.1316	-303.656	0.2594069	0	0	0	0.011802955
cov1_2_3_4_10	27.1359	-303.658	0.2621032	0	0.11649547	0	-0.060156304
cov1_2_3_4_9	27.1541	-303.667	0.2627839	0	0.12135556	0	-0.056146566
cov1_2_3_4_6	27.1617	-303.671	0.2625576	0	0.11708643	0	-0.057569561
cov3_7_8_10_11	27.1799	-303.68	0.2585421	0	0	0	0
cov1_4_9_10_11	27.2473	-303.714	0.2588347	0	0.04626758	0	0
cov3_6_8_9_10	27.2894	-303.735	0.2673444	0	0	0	0
cov3_6_7_9_10	27.2963	-303.738	0.267356	0	0	0	0
cov2_3_7_9_11	27.324	-303.752	0.2599131	0	0	0	0.014702892
cov2_3_8_9_11	27.3284	-303.754	0.2598793	0	0	0	0.014612958
cov1_7_9_10_11	27.3285	-303.754	0.257653	0	0.063314114	0	0
cov1_8_9_10_11	27.3288	-303.755	0.2576627	0	0.063374621	0	0
cov1_2_3_6_9	27.3493	-303.765	0.2628117	0	0.12374666	0	-0.0346573
cov2_3_7_8_11	27.3924	-303.786	0.2605014	0	0	0	0.017588485
cov1_2_3_6_10	27.4003	-303.79	0.2620508	0	0.12246328	0	-0.035208206
cov3_7_8_9_11	27.4055	-303.793	0.2588036	0	0	0	0
cov4_7_9_10_11	27.4453	-303.813	0.2580905	0	0	0	0
cov4_8_9_10_11	27.446	-303.813	0.2580989	0	0	0	0
cov4_6_9_10_11	27.4849	-303.833	0.2590828	0	0	0	0
cov1_6_9_10_11	27.4872	-303.834	0.2576912	0	0.071845668	0	0
cov2_4_6_7_11	27.5589	-303.87	0.2578665	0	0	0	-0.058955146
cov2_4_6_8_11	27.5618	-303.871	0.2578742	0	0	0	-0.05890839
cov1_3_4_6_9	27.5993	-303.89	0.263952	0	0.092929967	0	0
cov2_4_6_10_11	27.6331	-303.907	0.2574627	0	0	0	-0.064501727
cov3_4_6_9_10	27.6476	-303.914	0.2660274	0	0	0	0
cov1_3_4_6_10	27.6482	-303.914	0.2633112	0	0.08909341	0	0
cov1_2_8_9_10	27.6633	-303.922	0.2596371	0	0.13460228	0	-0.039444045
cov1_2_7_9_10	27.6639	-303.922	0.2596341	0	0.13459593	0	-0.039442044
cov1_2_6_9_10	27.686	-303.933	0.2595736	0	0.12983334	0	-0.039857804
cov2_4_6_9_11	27.6972	-303.939	0.2582724	0	0	0	-0.059246477
cov1_2_4_8_9	27.7351	-303.958	0.2607386	0	0.11551696	0	-0.072874013
cov1_2_4_7_9	27.7353	-303.958	0.2607366	0	0.11551525	0	-0.072893144
cov1_2_4_6_9	27.7371	-303.959	0.2607298	0	0.11462452	0	-0.07326159

cov2_4_7_10_11	27.7441	-303.962	0.2563504	0	0	0	-0.053188278
cov2_4_8_10_11	27.7448	-303.963	0.2563582	0	0	0	-0.05319215
cov1_2_4_6_10	27.7463	-303.963	0.2600147	0	0.11253768	0	-0.077517983
cov1_2_4_7_10	27.7466	-303.963	0.2600575	0	0.11056619	0	-0.077365755
cov1_2_4_8_10	27.7466	-303.963	0.2600588	0	0.11056622	0	-0.077346883
cov1_2_7_9_11	27.7499	-303.965	0.2562325	0	0.095109624	0	-0.040492714
cov1_2_8_9_11	27.7499	-303.965	0.2562389	0	0.095178163	0	-0.040496873
cov1_2_4_7_8	27.7561	-303.968	0.2603266	0	0.11249434	0	-0.07549576
cov1_2_4_6_8	27.7568	-303.969	0.2603152	0	0.11319333	0	-0.075436016
cov1_2_4_6_7	27.757	-303.969	0.2603146	0	0.1131846	0	-0.075449935
cov6_7_9_10_11	27.7755	-303.978	0.2575125	0	0	0	0
cov6_8_9_10_11	27.7815	-303.981	0.2575112	0	0	0	0
cov1_4_8_9_10	27.7907	-303.985	0.2618379	0	0.080469243	0	0
cov1_4_7_9_10	27.7911	-303.986	0.2618355	0	0.080460691	0	0
cov1_4_6_9_10	27.8047	-303.992	0.2617894	0	0.0793532	0	0
cov2_4_7_9_11	27.8584	-304.019	0.2569821	0	0	0	-0.046453443
cov2_4_8_9_11	27.8589	-304.02	0.2569904	0	0	0	-0.046457237
cov2_4_7_8_11	27.8735	-304.027	0.2573419	0	0	0	-0.043063176
cov1_2_7_10_11	27.8993	-304.04	0.2554197	0	0.090971736	0	-0.041082712
cov1_2_8_10_11	27.8997	-304.04	0.255427	0	0.091044439	0	-0.041089072
cov1_2_6_9_11	27.917	-304.049	0.2563169	0	0.10172477	0	-0.040442798
cov1_4_8_9_11	27.9269	-304.054	0.2584949	0	0.044053128	0	0
cov1_4_7_9_11	27.9271	-304.054	0.258488	0	0.044013033	0	0
cov3_4_6_8_10	27.9293	-304.055	0.266479	0	0	0	0
cov2_3_6_9_10	27.9302	-304.055	0.2657515	0	0	0	0.006216847
cov3_4_6_7_10	27.9315	-304.056	0.2664997	0	0	0	0
cov1_2_6_7_11	27.9354	-304.058	0.2547089	0	0.092565954	0	-0.041721859
cov1_2_6_8_11	27.9357	-304.058	0.2547085	0	0.092897545	0	-0.041721575
cov1_2_7_8_11	27.9391	-304.06	0.2547913	0	0.087963012	0	-0.041881324
cov1_6_8_9_10	27.9913	-304.086	0.2609183	0	0.096971752	0	0
cov1_6_7_9_10	27.9917	-304.086	0.2609181	0	0.096838573	0	0
cov1_7_8_9_10	27.994	-304.087	0.26084	0	0.10117103	0	0
cov2_6_9_10_11	28.0033	-304.092	0.2572245	0	0	0	-0.012125101
cov1_4_6_8_11	28.0286	-304.104	0.2574955	0	0.042149368	0	0
cov1_4_6_7_11	28.029	-304.105	0.2574951	0	0.041899283	0	0
cov1_4_7_10_11	28.0305	-304.105	0.257885	0	0.036745586	0	0
cov1_4_8_10_11	28.0307	-304.105	0.2578944	0	0.036786433	0	0
cov2_3_4_6_8	28.032	-304.106	0.2671288	0	0	0	-0.012653764
cov2_3_4_6_7	28.0357	-304.108	0.2671438	0	0	0	-0.012504149
cov1_4_7_8_11	28.0404	-304.11	0.25766	0	0.03376956	0	0
cov3_4_6_8_9	28.047	-304.114	0.2669913	0	0	0	0
cov1_4_6_9_11	28.0482	-304.114	0.25858	0	0.05183711	0	0
cov3_4_6_7_9	28.0498	-304.115	0.2670089	0	0	0	0
cov1_2_6_10_11	28.0552	-304.118	0.2554614	0	0.09990682	0	-0.040980526
cov3_4_6_7_8	28.0576	-304.119	0.267258	0	0	0	0
cov1_6_7_9_11	28.0977	-304.139	0.2575377	0	0.06421322	0	0
cov1_6_8_9_11	28.0977	-304.139	0.2575379	0	0.064560523	0	0

cov1_7_8_9_11	28.0978	-304.139	0.2575785	0	0.062841564	0	0
cov2_4_6_9_10	28.103	-304.142	0.2636549	0	0	0	-0.044848207
cov2_3_6_8_10	28.1238	-304.152	0.2663889	0	0	0	0.008690826
cov2_3_6_7_10	28.1288	-304.155	0.2664167	0	0	0	0.00899184
cov4_6_7_9_11	28.1313	-304.156	0.2586989	0	0	0	0
cov1_4_6_10_11	28.132	-304.156	0.2579164	0	0.047142801	0	0
cov4_6_8_9_11	28.1335	-304.157	0.2587027	0	0	0	0
cov3_6_7_8_10	28.1457	-304.163	0.2661856	0	0	0	0
cov4_6_7_10_11	28.1925	-304.186	0.2579993	0	0	0	0
cov4_6_7_8_11	28.1925	-304.186	0.2579593	0	0	0	0
cov4_6_8_10_11	28.1943	-304.187	0.2580036	0	0	0	0
cov2_3_6_8_9	28.211	-304.196	0.2669592	0	0	0	0.009528753
cov2_3_6_7_8	28.213	-304.197	0.2670847	0	0	0	0.009713598
cov2_3_6_7_9	28.216	-304.198	0.2669784	0	0	0	0.009801336
cov3_6_7_8_9	28.2375	-304.209	0.2667411	0	0	0	0
cov1_6_7_10_11	28.2547	-304.217	0.2567192	0	0.062220265	0	0
cov1_6_8_10_11	28.2548	-304.218	0.2567195	0	0.062560001	0	0
cov4_7_8_9_11	28.2552	-304.218	0.2579442	0	0	0	0
cov1_7_8_10_11	28.2572	-304.219	0.2568223	0	0.058333432	0	0
cov4_7_8_10_11	28.261	-304.221	0.2574626	0	0	0	0
cov1_6_7_8_11	28.3054	-304.243	0.2560293	0	0.060667064	0	0
cov2_7_9_10_11	28.3352	-304.258	0.2555722	0	0	0	0.010389094
cov2_3_4_6_10	28.3364	-304.258	0.2646218	0	0	0	-0.027490302
cov2_8_9_10_11	28.3383	-304.259	0.2555824	0	0	0	0.01045645
cov7_8_9_10_11	28.376	-304.278	0.2548567	0	0	0	0
cov2_3_4_6_9	28.3913	-304.286	0.2653557	0	0	0	-0.023107947
cov1_2_6_8_9	28.4289	-304.305	0.2596649	0	0.12413052	0	-0.036599185
cov1_2_6_7_9	28.4293	-304.305	0.2596645	0	0.12399247	0	-0.036599846
cov1_2_7_8_9	28.4348	-304.308	0.2595584	0	0.13019612	0	-0.036399553
cov4_6_7_9_10	28.4457	-304.313	0.2637009	0	0	0	0
cov4_6_8_9_10	28.4467	-304.313	0.2637045	0	0	0	0
cov2_6_7_9_11	28.4866	-304.333	0.257025	0	0	0	-0.012605503
cov2_6_8_9_11	28.4936	-304.337	0.2570293	0	0	0	-0.012439847
cov6_7_8_9_11	28.5282	-304.354	0.2574523	0	0	0	0
cov1_4_6_8_9	28.5398	-304.36	0.2616086	0	0.078375804	0	0
cov1_4_7_8_9	28.5401	-304.36	0.261578	0	0.080065983	0	0
cov1_4_6_7_9	28.5403	-304.36	0.2616078	0	0.07827583	0	0
cov1_2_6_8_10	28.5879	-304.384	0.2588227	0	0.12269528	0	-0.037044927
cov1_2_6_7_10	28.5882	-304.384	0.2588225	0	0.12256782	0	-0.037045528
cov1_2_7_8_10	28.5899	-304.385	0.2587639	0	0.12625546	0	-0.036932301
cov2_6_7_10_11	28.6107	-304.395	0.2561591	0	0	0	-0.013582486
cov2_6_8_10_11	28.6176	-304.399	0.2561641	0	0	0	-0.013420132
cov2_6_7_8_11	28.6326	-304.406	0.2556108	0	0	0	-0.014525777
cov1_2_6_7_8	28.6405	-304.41	0.2580814	0	0.12195519	0	-0.037840373
cov1_4_6_8_10	28.6481	-304.414	0.2609655	0	0.074207066	0	0
cov1_4_7_8_10	28.6481	-304.414	0.2609875	0	0.073082378	0	0
cov1_4_6_7_10	28.6484	-304.414	0.2609651	0	0.074122779	0	0

cov6_7_8_10_11	28.6591	-304.42	0.2566326	0	0	0
cov1_4_6_7_8	28.6611	-304.421	0.2606889	0	0.072422547	0
cov1_6_7_8_9	28.7138	-304.447	0.260728	0	0.09481162	0
cov3_4_7_9_10	28.7674	-304.474	0.2668579	0	0	0
cov3_4_8_9_10	28.7754	-304.478	0.2668188	0	0	0
cov2_4_6_7_10	28.8758	-304.528	0.2627004	0	0	-0.044364765
cov2_4_6_8_10	28.8764	-304.528	0.2627007	0	0	-0.044393463
cov1_6_7_8_10	28.8796	-304.53	0.2599321	0	0.093028141	0
cov2_4_6_7_9	28.9016	-304.541	0.2634377	0	0	-0.039534472
cov2_4_6_7_8	28.9025	-304.541	0.2632167	0	0	-0.040918251
cov2_4_6_8_9	28.9026	-304.541	0.263437	0	0	-0.039559442
cov2_7_8_9_11	29.0755	-304.628	0.2555987	0	0	0.011891363
cov2_3_4_9_10	29.0884	-304.634	0.2656762	0	0	0.009113529
cov2_7_8_10_11	29.1199	-304.65	0.2549182	0	0	0.009229307
cov6_7_8_9_10	29.1465	-304.663	0.26243	0	0	0
cov2_6_7_9_10	29.149	-304.665	0.2625193	0	0	0.004300991
cov2_6_8_9_10	29.1528	-304.667	0.2625158	0	0	0.004371006
cov4_6_7_8_9	29.1762	-304.678	0.2634224	0	0	0
cov4_6_7_8_10	29.2205	-304.7	0.2627016	0	0	0
cov2_3_4_7_10	29.3013	-304.741	0.2662943	0	0	0.015755156
cov2_3_4_8_10	29.3098	-304.745	0.2662495	0	0	0.015583672
cov3_4_7_8_10	29.3454	-304.763	0.2659937	0	0	0
cov2_3_7_9_10	29.3865	-304.783	0.2678721	0	0	0.071244465
cov2_3_8_9_10	29.3989	-304.79	0.26782	0	0	0.071168715
cov2_4_8_9_10	29.4833	-304.832	0.2639825	0	0	-0.007517182
cov2_4_7_9_10	29.4834	-304.832	0.2639819	0	0	-0.007529606
cov4_7_8_9_10	29.4951	-304.838	0.2639875	0	0	0
cov2_3_4_7_9	29.5765	-304.878	0.2666701	0	0	0.020600306
cov2_3_4_8_9	29.584	-304.882	0.2666292	0	0	0.020432524
cov3_4_7_8_9	29.6517	-304.916	0.2662641	0	0	0
cov2_6_7_8_9	29.8092	-304.995	0.2623104	0	0	0.005380767
cov2_3_4_7_8	29.824	-305.002	0.2679682	0	0	0.031767892
cov2_6_7_8_10	29.938	-305.059	0.2614753	0	0	0.004506563
cov2_3_7_8_10	29.9766	-305.078	0.266886	0	0	0.067908801
cov2_4_7_8_10	30.0558	-305.118	0.2631208	0	0	-0.010137213
cov2_3_7_8_9	30.1937	-305.187	0.2672456	0	0	0.07044525
cov2_4_7_8_9	30.224	-305.202	0.2637193	0	0	-0.003676157
cov2_3_5_9_10_11	30.8375	-301.994	0.256142	0	0	-0.052750602
cov3_4_5_9_10_11	30.9369	-302.044	0.2568019	0	0	0
cov2_7_8_9_10	31.2314	-305.706	0.2629003	0	0	0.066538571
cov2_5_8_9_10_11	31.2454	-302.198	0.2539644	0	0	-0.061722818
cov2_5_7_9_10_11	31.2455	-302.198	0.2539574	0	0	-0.061733435
cov1_3_5_9_10_11	31.3478	-302.249	0.2577922	0	-0.047251495	0
cov1_2_5_9_10_11	31.357	-302.254	0.2534617	0	-0.030669891	-0.051775712
cov2_5_6_9_10_11	31.367	-302.259	0.2532642	0	0	-0.055524044
cov3_5_7_9_10_11	31.3911	-302.271	0.2601639	0	0	0
cov3_5_8_9_10_11	31.3954	-302.273	0.260142	0	0	0

cov2_4_5_9_10_11	31.4094	-302.28	0.2536064	0	0	0	-0.054118564
cov3_5_6_9_10_11	31.4169	-302.284	0.2580384	0	0	0	0
cov1_4_5_9_10_11	31.4451	-302.298	0.2524405	0	-0.073863619	0	0
cov3_4_5_7_9_10	31.5329	-302.342	0.2592693	0	0	0	0
cov3_4_5_8_9_10	31.536	-302.344	0.2592449	0	0	0	0
cov2_3_4_5_9_10	31.5506	-302.351	0.2581447	0	0	0	-0.018206163
cov1_3_4_5_9_10	31.5868	-302.369	0.2581448	0	-0.015636547	0	0
cov3_4_5_6_9_10	31.6029	-302.377	0.2583544	0	0	0	0
cov1_3_4_5_10_11	31.6618	-302.406	0.2539886	0	-0.059279616	0	0
cov1_5_7_9_10_11	31.6998	-302.425	0.2552189	0	-0.076485319	0	0
cov1_5_8_9_10_11	31.7003	-302.426	0.2552286	0	-0.076397544	0	0
cov4_5_6_9_10_11	31.7077	-302.429	0.2532496	0	0	0	0
cov2_3_4_5_10_11	31.7192	-302.435	0.2549676	0	0	0	-0.038226416
cov4_5_7_9_10_11	31.726	-302.439	0.2548101	0	0	0	0
cov4_5_8_9_10_11	31.7261	-302.439	0.2548188	0	0	0	0
cov2_3_5_7_9_10	31.7707	-302.461	0.259696	0	0	0	-0.036040927
cov2_3_5_8_9_10	31.7729	-302.462	0.2596702	0	0	0	-0.036152464
cov1_2_3_5_9_10	31.7746	-302.463	0.2593452	0	0.021482643	0	-0.045212643
cov2_3_5_6_10_11	31.7752	-302.463	0.2548089	0	0	0	-0.049034838
cov1_2_3_5_10_11	31.7888	-302.47	0.2550335	0	-0.022141498	0	-0.047187031
cov2_3_5_7_10_11	31.7895	-302.47	0.2560309	0	0	0	-0.04939351
cov2_3_5_8_10_11	31.7909	-302.471	0.2560076	0	0	0	-0.049483533
cov2_3_5_6_9_10	31.8039	-302.478	0.2592661	0	0	0	-0.040875212
cov3_4_5_6_10_11	31.8039	-302.478	0.2546962	0	0	0	0
cov2_4_5_8_9_10	31.8529	-302.502	0.256213	0	0	0	-0.032889725
cov2_4_5_7_9_10	31.8536	-302.502	0.2562084	0	0	0	-0.032884395
cov3_4_5_7_10_11	31.8665	-302.509	0.2568661	0	0	0	0
cov3_4_5_8_10_11	31.8693	-302.51	0.2568424	0	0	0	0
cov1_4_5_8_9_10	31.8798	-302.515	0.2557551	0	-0.041888155	0	0
cov1_4_5_7_9_10	31.8802	-302.516	0.2557489	0	-0.04190885	0	0
cov1_5_6_9_10_11	31.902	-302.527	0.2550163	0	-0.057211538	0	0
cov1_2_4_5_9_10	31.9264	-302.539	0.2558467	0	-0.015383122	0	-0.027772202
cov2_4_5_6_9_10	31.9344	-302.543	0.2558961	0	0	0	-0.032220782
cov5_6_8_9_10_11	31.9531	-302.552	0.2556159	0	0	0	0
cov5_6_7_9_10_11	31.9564	-302.554	0.2556186	0	0	0	0
cov1_4_5_7_10_11	31.9615	-302.556	0.2510848	0	-0.093300684	0	0
cov1_4_5_8_10_11	31.9638	-302.557	0.2511017	0	-0.093150189	0	0
cov4_5_6_8_9_10	31.9955	-302.573	0.2559774	0	0	0	0
cov1_2_5_8_9_10	31.9956	-302.573	0.2573353	0	0.00263222	0	-0.047010445
cov2_5_6_8_9_10	31.9961	-302.574	0.257315	0	0	0	-0.045918433
cov2_5_7_8_9_10	31.9961	-302.574	0.2573332	0	0	0	-0.04618491
cov1_2_5_7_9_10	31.9963	-302.574	0.2573315	0	0.002623556	0	-0.047003347
cov2_5_6_7_9_10	31.9968	-302.574	0.2573132	0	0	0	-0.045949857
cov4_5_6_7_9_10	31.9975	-302.574	0.2559759	0	0	0	0
cov2_3_4_5_9_11	32.0008	-302.576	0.2558299	0	0	0	-0.030847522
cov1_3_4_5_9_11	32.0166	-302.584	0.255281	0	-0.041006583	0	0
cov1_4_5_6_9_10	32.0232	-302.587	0.2556196	0	-0.036977727	0	0



cov1_2_5_6_9_10	32.044	-302.598	0.2570635	0	0.006858081	0	-0.047177687
cov1_2_5_7_10_11	32.0504	-302.601	0.252615	0	-0.048062192	0	-0.049333675
cov1_2_5_8_10_11	32.051	-302.601	0.2526243	0	-0.047967261	0	-0.04934065
cov4_5_7_8_9_10	32.0779	-302.615	0.2565797	0	0	0	0
cov1_3_5_7_9_10	32.0879	-302.62	0.2623083	0	0.00775017	0	0
cov3_4_5_6_9_11	32.0879	-302.62	0.2557654	0	0	0	0
cov3_5_7_8_9_10	32.0915	-302.621	0.2620292	0	0	0	0
cov3_5_6_7_9_10	32.0924	-302.622	0.2620122	0	0	0	0
cov1_3_5_8_9_10	32.093	-302.622	0.2622552	0	0.007100561	0	0
cov3_5_6_8_9_10	32.0969	-302.624	0.2619889	0	0	0	0
cov2_5_6_8_10_11	32.1042	-302.628	0.2524445	0	0	0	-0.055718326
cov2_5_6_7_10_11	32.1063	-302.629	0.2524457	0	0	0	-0.055771789
cov2_3_5_6_9_11	32.113	-302.632	0.2560204	0	0	0	-0.04462119
cov2_3_5_7_9_11	32.1137	-302.632	0.2566829	0	0	0	-0.044560041
cov3_4_5_7_9_11	32.1144	-302.633	0.2572657	0	0	0	0
cov2_3_5_8_9_11	32.1145	-302.633	0.2566667	0	0	0	-0.044637866
cov3_4_5_8_9_11	32.1162	-302.634	0.2572467	0	0	0	0
cov1_2_3_5_9_11	32.123	-302.637	0.2562512	0	-0.005649749	0	-0.044999363
cov2_3_4_5_7_11	32.1446	-302.648	0.2572273	0	0	0	-0.020384559
cov2_3_4_5_8_11	32.1448	-302.648	0.2572128	0	0	0	-0.020469448
cov2_3_4_5_6_11	32.1451	-302.648	0.2571154	0	0	0	-0.020638945
cov1_2_3_4_5_11	32.1452	-302.648	0.2571376	0	0.000228035	0	-0.021115926
cov2_4_5_7_10_11	32.1915	-302.671	0.252933	0	0	0	-0.054352764
cov2_4_5_8_10_11	32.1918	-302.671	0.2529408	0	0	0	-0.054356447
cov1_3_7_9_10_11	32.1985	-302.675	0.2625957	0	0.06695763	0	0
cov1_3_4_5_7_11	32.199	-302.675	0.2572945	0	-0.014435424	0	0
cov1_3_4_5_6_11	32.1992	-302.675	0.2571838	0	-0.014641876	0	0
cov1_3_4_5_8_11	32.1992	-302.675	0.2572725	0	-0.01471903	0	0
cov1_2_4_5_10_11	32.2002	-302.676	0.251818	0	-0.053589855	0	-0.033536694
cov1_3_5_6_9_10	32.2054	-302.678	0.2608743	0	-0.008727933	0	0
cov3_4_5_6_7_11	32.2086	-302.68	0.2575539	0	0	0	0
cov3_4_5_6_8_11	32.2093	-302.68	0.257532	0	0	0	0
cov1_3_8_9_10_11	32.211	-302.681	0.2625356	0	0.066682682	0	0
cov3_4_5_7_8_11	32.2151	-302.683	0.2578551	0	0	0	0
cov2_5_7_8_10_11	32.2217	-302.686	0.2533355	0	0	0	-0.061286417
cov5_7_8_9_10_11	32.2236	-302.687	0.2574242	0	0	0	0
cov1_3_5_6_10_11	32.2325	-302.692	0.2564761	0	-0.043470224	0	0
cov1_3_5_7_10_11	32.2357	-302.693	0.2575328	0	-0.045051821	0	0
cov1_3_5_8_10_11	32.2368	-302.694	0.2575043	0	-0.045406743	0	0
cov1_2_5_6_10_11	32.2508	-302.701	0.2524408	0	-0.0284912	0	-0.048934848
cov3_5_6_7_10_11	32.265	-302.708	0.2580293	0	0	0	0
cov2_4_5_6_10_11	32.2695	-302.71	0.2520731	0	0	0	-0.046974075
cov3_5_6_8_10_11	32.2697	-302.71	0.258002	0	0	0	0
cov1_2_3_5_7_11	32.2737	-302.712	0.2583394	0	0.021757624	0	-0.042670045
cov1_2_3_5_8_11	32.2746	-302.713	0.2583092	0	0.021371484	0	-0.042693033
cov1_2_3_5_6_11	32.2797	-302.715	0.2578799	0	0.019213704	0	-0.042942572
cov1_4_5_7_9_11	32.2991	-302.725	0.2523841	0	-0.075190287	0	0

cov1_4_5_8_9_11	32.3006	-302.726	0.2524012	0	-0.075053334	0	0
cov2_3_5_6_7_11	32.3021	-302.727	0.2580411	0	0	0	-0.038773137
cov2_3_5_6_8_11	32.3021	-302.727	0.2580261	0	0	0	-0.038826126
cov2_3_5_7_8_11	32.3051	-302.728	0.2578738	0	0	0	-0.03771746
cov1_4_5_6_10_11	32.3211	-302.736	0.2514751	0	-0.07036412	0	0
cov1_2_3_9_10_11	32.3589	-302.755	0.2591428	0	0.09191713	0	-0.042886783
cov3_5_7_8_10_11	32.3664	-302.759	0.2594659	0	0	0	0
cov1_2_5_7_9_11	32.3722	-302.762	0.2538192	0	-0.031951919	0	-0.047183535
cov1_2_5_8_9_11	32.3724	-302.762	0.2538286	0	-0.03186443	0	-0.047192031
cov4_5_6_8_10_11	32.3795	-302.765	0.25224	0	0	0	0
cov4_5_6_7_10_11	32.3834	-302.767	0.2522442	0	0	0	0
cov2_5_6_8_9_11	32.3932	-302.772	0.2536784	0	0	0	-0.051379565
cov2_5_6_7_9_11	32.3949	-302.773	0.2536794	0	0	0	-0.051438668
cov2_4_5_8_9_11	32.401	-302.776	0.2538095	0	0	0	-0.04667939
cov2_4_5_7_9_11	32.4011	-302.776	0.2538007	0	0	0	-0.046676107
cov1_2_4_5_7_11	32.4019	-302.777	0.2544103	0	-0.029773441	0	-0.024352325
cov1_2_4_5_8_11	32.4019	-302.777	0.2544137	0	-0.029677572	0	-0.024437162
cov2_3_4_5_7_10	32.4096	-302.78	0.2580078	0	0	0	-0.016462594
cov2_3_4_5_8_10	32.4118	-302.782	0.2579827	0	0	0	-0.016579223
cov2_4_5_6_8_11	32.4394	-302.795	0.2544254	0	0	0	-0.034170088
cov2_4_5_6_7_11	32.441	-302.796	0.2544247	0	0	0	-0.034278379
cov1_3_4_5_7_10	32.4434	-302.797	0.2580076	0	-0.013048006	0	0
cov1_3_4_5_8_10	32.4454	-302.798	0.2579687	0	-0.01347232	0	0
cov2_5_7_8_9_11	32.4473	-302.799	0.2542994	0	0	0	-0.055210767
cov3_4_5_6_7_10	32.448	-302.8	0.2582137	0	0	0	0
cov3_4_5_6_8_10	32.451	-302.801	0.2581941	0	0	0	0
cov1_2_3_4_5_10	32.4523	-302.802	0.257108	0	-0.012154123	0	-0.015479154
cov3_4_5_7_8_10	32.4557	-302.803	0.2585424	0	0	0	0
cov2_3_4_5_6_10	32.4562	-302.804	0.2571562	0	0	0	-0.018622387
cov1_5_6_8_9_10	32.4619	-302.807	0.2587502	0	-0.02929432	0	0
cov1_5_6_7_9_10	32.4628	-302.807	0.2587492	0	-0.029449407	0	0
cov1_5_7_8_9_10	32.4649	-302.808	0.2588445	0	-0.033363605	0	0
cov2_4_5_7_8_11	32.4668	-302.809	0.2546913	0	0	0	-0.039633646
cov1_4_5_7_8_11	32.4736	-302.812	0.2542904	0	-0.050302542	0	0
cov1_4_5_6_7_11	32.4738	-302.812	0.2542643	0	-0.048795976	0	0
cov1_4_5_6_8_11	32.474	-302.813	0.2542672	0	-0.048283175	0	0
cov1_3_4_5_6_10	32.4807	-302.816	0.2570997	0	-0.022066394	0	0
cov5_6_7_8_9_10	32.5212	-302.836	0.2587426	0	0	0	0
cov1_2_5_6_8_11	32.5228	-302.837	0.2554151	0	-0.00685531	0	-0.045146711
cov1_2_5_6_7_11	32.5238	-302.837	0.2554222	0	-0.007223589	0	-0.045144395
cov1_2_5_7_8_11	32.5249	-302.838	0.2554837	0	-0.010487428	0	-0.045265581
cov2_5_6_7_8_11	32.5257	-302.838	0.2553512	0	0	0	-0.046621195
cov1_3_5_7_9_11	32.5331	-302.842	0.25852	0	-0.028602064	0	0
cov1_3_5_8_9_11	32.5342	-302.843	0.2584897	0	-0.028991568	0	0
cov1_5_6_8_10_11	32.537	-302.844	0.2540248	0	-0.07084803	0	0
cov1_5_6_7_10_11	32.5377	-302.844	0.2540253	0	-0.071220944	0	0
cov1_3_5_6_9_11	32.5378	-302.844	0.2576371	0	-0.029203918	0	0

cov3_5_6_7_9_11	32.5399	-302.846	0.2587705	0	0	0
cov1_2_4_5_9_11	32.5418	-302.846	0.2531041	0	-0.035943265	-0.032840629
cov3_5_6_8_9_11	32.543	-302.847	0.258747	0	0	0
cov1_5_7_8_10_11	32.5659	-302.859	0.2544011	0	-0.08292345	0
cov2_4_5_6_9_11	32.5717	-302.861	0.2532488	0	0	-0.041832519
cov3_5_7_8_9_11	32.5851	-302.868	0.259755	0	0	0
cov4_5_6_8_9_11	32.5859	-302.869	0.2533091	0	0	0
cov4_5_6_7_9_11	32.5892	-302.87	0.253311	0	0	0
cov3_7_8_9_10	32.5895	-306.385	0.2643264	0	0	0
cov1_2_5_6_9_11	32.5909	-302.871	0.2537144	0	-0.015378163	-0.046839431
cov1_2_3_5_7_10	32.5932	-302.872	0.259461	0	0.025832906	-0.042039385
cov1_2_3_5_8_10	32.5968	-302.874	0.2594167	0	0.025309551	-0.042060939
cov2_3_5_6_7_10	32.6334	-302.892	0.2590247	0	0	-0.037406135
cov1_2_3_7_9_10	32.6343	-302.893	0.2648321	0	0.13871205	-0.037730196
cov2_3_5_6_8_10	32.6353	-302.893	0.2590036	0	0	-0.037517577
cov2_3_5_7_8_10	32.636	-302.894	0.2588701	0	0	-0.036536449
cov4_5_6_7_8_11	32.6426	-302.897	0.2542979	0	0	0
cov1_2_3_8_9_10	32.6544	-302.903	0.2647737	0	0.13855686	-0.037701261
cov3_5_6_7_8_11	32.6548	-302.903	0.2598328	0	0	0
cov1_3_5_6_7_11	32.6555	-302.903	0.25976	0	-0.003726985	0
cov1_3_5_6_8_11	32.657	-302.904	0.2597412	0	-0.004323438	0
cov1_3_5_7_8_11	32.6583	-302.905	0.2598829	0	-0.008339303	0
cov1_2_3_5_6_10	32.6665	-302.909	0.2582757	0	0.01467026	-0.042820795
cov1_4_5_6_9_11	32.6673	-302.909	0.2528146	0	-0.055428998	0
cov1_2_4_5_8_10	32.6889	-302.92	0.2550063	0	-0.031937811	-0.019957029
cov1_2_4_5_7_10	32.6893	-302.92	0.2550008	0	-0.031985349	-0.019922743
cov1_2_4_5_6_11	32.7173	-302.934	0.254929	0	-0.008273679	-0.032698727
cov2_4_5_6_8_10	32.727	-302.939	0.2551272	0	0	-0.029898627
cov2_4_5_6_7_10	32.7283	-302.94	0.2551298	0	0	-0.029965658
cov4_5_7_8_10_11	32.7331	-302.942	0.2542331	0	0	0
cov1_4_5_6_8_10	32.7359	-302.944	0.2548342	0	-0.046162112	0
cov1_4_5_6_7_10	32.7363	-302.944	0.2548265	0	-0.046443848	0
cov1_4_5_7_8_10	32.7374	-302.944	0.2548835	0	-0.049299823	0
cov1_3_6_9_10_11	32.7459	-302.949	0.2605308	0	0.061542259	0
cov1_3_4_9_10_11	32.7475	-302.949	0.260686	0	0.056099613	0
cov3_6_7_9_10_11	32.7477	-302.949	0.2620964	0	0	0
cov3_6_8_9_10_11	32.7479	-302.95	0.2620873	0	0	0
cov2_3_4_5_7_9	32.7495	-302.95	0.2586613	0	0	-0.010321189
cov2_3_4_5_8_9	32.751	-302.951	0.2586399	0	0	-0.010430079
cov2_4_5_7_8_10	32.757	-302.954	0.2554664	0	0	-0.035117707
cov3_4_5_7_8_9	32.767	-302.959	0.2589987	0	0	0
cov1_3_4_5_7_9	32.7671	-302.959	0.2591197	0	0.003108338	0
cov3_4_5_6_7_9	32.7674	-302.959	0.2590684	0	0	0
cov1_3_4_5_8_9	32.7692	-302.96	0.2590801	0	0.002648658	0
cov3_4_5_6_8_9	32.7693	-302.96	0.2590494	0	0	0
cov1_2_3_4_5_9	32.7718	-302.962	0.2582973	0	0.004486921	-0.015091999
cov2_3_4_5_6_9	32.7723	-302.962	0.2582815	0	0	-0.01393534

cov1_2_4_5_6_10	32.7959	-302.974	0.254925	0	-0.020483496	0	-0.025542273
cov1_3_4_5_6_9	32.7995	-302.975	0.2583354	0	-0.008201579	0	0
cov4_5_7_8_9_11	32.8027	-302.977	0.2548869	0	0	0	0
cov1_5_6_8_9_11	32.8286	-302.99	0.2551723	0	-0.056942041	0	0
cov1_5_6_7_9_11	32.8294	-302.99	0.2551722	0	-0.05731343	0	0
cov1_5_7_8_9_11	32.8443	-302.998	0.2554563	0	-0.06589228	0	0
cov5_6_7_8_10_11	32.851	-303.001	0.2547899	0	0	0	0
cov1_2_5_6_8_10	32.8605	-303.006	0.2563855	0	-0.002431805	0	-0.044523821
cov2_5_6_7_8_10	32.8607	-303.006	0.2563691	0	0	0	-0.044998854
cov1_2_5_6_7_10	32.8613	-303.006	0.2563799	0	-0.002581837	0	-0.044524505
cov1_2_5_7_8_10	32.8642	-303.008	0.2564757	0	-0.006855721	0	-0.04466475
cov1_2_3_7_10_11	32.8797	-303.015	0.2601869	0	0.093035368	0	-0.039502919
cov4_5_6_7_8_10	32.8831	-303.017	0.2550952	0	0	0	0
cov1_2_3_8_10_11	32.891	-303.021	0.2601307	0	0.092773945	0	-0.039499039
cov1_2_3_4_5_7	32.8925	-303.022	0.2608345	0	0.038857347	0	-0.016157916
cov1_2_3_4_5_8	32.8951	-303.023	0.2607903	0	0.038275535	0	-0.016088021
cov1_2_3_5_7_9	32.8977	-303.024	0.260483	0	0.040142218	0	-0.040091529
cov1_2_3_5_8_9	32.9013	-303.026	0.2604365	0	0.039589497	0	-0.040115527
cov1_2_3_4_7_11	32.9039	-303.028	0.2609611	0	0.092227055	0	-0.052063997
cov1_2_3_4_8_11	32.9123	-303.032	0.2609082	0	0.091919659	0	-0.052206371
cov1_3_4_5_6_7	32.9198	-303.036	0.2608503	0	0.020162153	0	0
cov1_2_3_4_5_6	32.9212	-303.036	0.260074	0	0.021622962	0	-0.015070685
cov1_3_4_5_6_8	32.9218	-303.037	0.2608151	0	0.019506255	0	0
cov1_3_4_5_7_8	32.9227	-303.037	0.2608082	0	0.025527041	0	0
cov1_3_4_7_9_10	32.9302	-303.041	0.2659811	0	0.11085563	0	0
cov1_3_7_8_9_10	32.9355	-303.043	0.2660772	0	0.10678454	0	0
cov1_3_6_7_9_10	32.9366	-303.044	0.2660821	0	0.10612752	0	0
cov2_3_4_5_6_7	32.9381	-303.045	0.2605231	0	0	0	-0.005984894
cov2_3_4_5_6_8	32.9386	-303.045	0.2605076	0	0	0	-0.006067436
cov3_4_5_6_7_8	32.9434	-303.047	0.2605761	0	0	0	0
cov1_3_4_8_9_10	32.9503	-303.051	0.2659247	0	0.11056743	0	0
cov1_3_6_8_9_10	32.9559	-303.054	0.2660405	0	0.10500216	0	0
cov1_5_6_7_8_11	32.9566	-303.054	0.2567	0	-0.040298346	0	0
cov3_5_6_7_8_10	32.96	-303.056	0.2609099	0	0	0	0
cov1_3_5_6_7_10	32.9608	-303.056	0.2609591	0	0.002386744	0	0
cov1_2_3_5_6_9	32.9634	-303.057	0.2594388	0	0.026792901	0	-0.040929214
cov1_3_5_6_8_10	32.9654	-303.058	0.2609163	0	0.00143177	0	0
cov1_3_5_7_8_10	32.9657	-303.058	0.2610898	0	-0.003146305	0	0
cov2_3_5_6_7_9	32.9788	-303.065	0.2599742	0	0	0	-0.033841443
cov2_3_5_6_8_9	32.9799	-303.066	0.2599572	0	0	0	-0.033930185
cov1_2_3_7_9_11	32.982	-303.067	0.2607873	0	0.096761047	0	-0.038537332
cov1_2_3_6_7_11	32.9825	-303.067	0.2608366	0	0.10039844	0	-0.03832693
cov1_2_3_7_8_11	32.9832	-303.067	0.2608988	0	0.097459355	0	-0.038432159
cov2_3_4_5_7_8	32.9866	-303.069	0.2600875	0	0	0	0.00054404
cov1_2_3_8_9_11	32.9922	-303.072	0.2607342	0	0.096516337	0	-0.038536859
cov1_2_3_6_8_11	32.9931	-303.072	0.2607904	0	0.099508178	0	-0.038351565
cov1_2_4_5_8_9	32.9981	-303.075	0.2561976	0	-0.015590034	0	-0.019388964

cov1_2_4_5_7_9	32.9988	-303.075	0.2561916	0	-0.015627904	0	-0.019362485
cov2_3_5_7_8_9	33.0005	-303.076	0.2595424	0	0	0	-0.031541244
cov3_4_7_9_10_11	33.0057	-303.078	0.2609056	0	0	0	0
cov2_4_5_6_8_9	33.0097	-303.08	0.256285	0	0	0	-0.024757556
cov2_4_5_6_7_9	33.0108	-303.081	0.2562845	0	0	0	-0.024827265
cov3_4_8_9_10_11	33.0111	-303.081	0.2608734	0	0	0	0
cov2_4_5_7_8_9	33.0143	-303.083	0.2564218	0	0	0	-0.026803823
cov1_2_3_5_6_7	33.0303	-303.091	0.2619759	0	0.055867966	0	-0.038510975
cov1_2_3_5_7_8	33.0304	-303.091	0.2619358	0	0.059268753	0	-0.03840099
cov5_6_7_8_9_11	33.032	-303.092	0.2557559	0	0	0	0
cov1_2_3_5_6_8	33.0338	-303.093	0.2619353	0	0.055049221	0	-0.038548321
cov1_4_5_7_8_9	33.044	-303.098	0.2560662	0	-0.032552228	0	0
cov1_4_5_6_8_9	33.0441	-303.098	0.2560667	0	-0.032490732	0	0
cov1_4_5_6_7_9	33.0446	-303.098	0.2560648	0	-0.032777058	0	0
cov3_4_6_9_10_11	33.0724	-303.112	0.2608744	0	0	0	0
cov2_3_6_9_10_11	33.0938	-303.122	0.2599904	0	0	0	-0.014580535
cov2_3_4_9_10_11	33.1069	-303.129	0.2589323	0	0	0	-0.032232942
cov1_2_4_5_6_9	33.1117	-303.131	0.2561534	0	-0.007029963	0	-0.025080331
cov4_5_6_7_8_9	33.1171	-303.134	0.2562285	0	0	0	0
cov1_2_4_9_10_11	33.1361	-303.144	0.2573958	0	0.083733177	0	-0.086938094
cov1_2_3_4_10_11	33.1389	-303.145	0.258443	0	0.075282005	0	-0.064534421
cov1_2_4_5_6_8	33.1448	-303.148	0.2579344	0	0.002075942	0	-0.019281465
cov2_4_5_6_7_8	33.145	-303.148	0.2579461	0	0	0	-0.018483274
cov1_2_4_5_6_7	33.1456	-303.148	0.2579335	0	0.001806157	0	-0.01925578
cov1_2_4_5_7_8	33.1478	-303.15	0.2578963	0	0.006690824	0	-0.019306399
cov1_2_5_6_8_9	33.1532	-303.152	0.2575354	0	0.009334413	0	-0.042644201
cov1_2_5_7_8_9	33.1534	-303.152	0.257563	0	0.007980275	0	-0.04269186
cov1_2_5_6_7_9	33.1541	-303.153	0.2575322	0	0.009176114	0	-0.042644609
cov2_5_6_7_8_9	33.1583	-303.155	0.2575916	0	0	0	-0.040703702
cov1_4_5_6_7_8	33.1901	-303.171	0.2577995	0	-0.01492037	0	0
cov2_3_5_6_7_8	33.1936	-303.172	0.2618016	0	0	0	-0.0287868
cov1_2_3_4_6_11	33.1994	-303.175	0.2590784	0	0.085368753	0	-0.06035694
cov1_3_6_7_10_11	33.1999	-303.176	0.2614377	0	0.069493349	0	0
cov1_2_3_4_9_11	33.2028	-303.177	0.2592162	0	0.081186957	0	-0.060162004
cov1_3_4_7_10_11	33.2079	-303.18	0.261568	0	0.064199272	0	0
cov1_3_7_8_10_11	33.2102	-303.181	0.2616356	0	0.061699112	0	0
cov1_3_6_8_10_11	33.2131	-303.182	0.2613943	0	0.068476886	0	0
cov1_3_4_8_10_11	33.2194	-303.185	0.2615116	0	0.063827132	0	0
cov1_2_3_4_9_10	33.2269	-303.189	0.2630485	0	0.12532178	0	-0.061526692
cov1_3_5_6_7_9	33.2365	-303.194	0.261924	0	0.014482821	0	0
cov1_3_5_7_8_9	33.2365	-303.194	0.2619869	0	0.012156639	0	0
cov1_3_5_6_8_9	33.2408	-303.196	0.2618823	0	0.013557301	0	0
cov3_5_6_7_8_9	33.2469	-303.199	0.2616465	0	0	0	0
cov1_2_5_6_7_8	33.2803	-303.216	0.2590546	0	0.024303377	0	-0.041102419
cov1_5_6_7_8_10	33.2814	-303.216	0.2577798	0	-0.034674035	0	0
cov1_3_4_6_7_11	33.2865	-303.219	0.261995	0	0.074808506	0	0
cov1_3_4_7_8_11	33.2888	-303.22	0.2620824	0	0.07073388	0	0

cov1_3_4_7_9_11	33.2893	-303.22	0.262055	0	0.070452982	0	0
cov1_3_6_7_8_11	33.293	-303.222	0.2621147	0	0.071395146	0	0
cov1_3_6_7_9_11	33.293	-303.222	0.2620337	0	0.070903023	0	0
cov1_3_7_8_9_11	33.2964	-303.224	0.2621643	0	0.066104432	0	0
cov1_3_4_6_8_11	33.2979	-303.225	0.2619491	0	0.073778493	0	0
cov1_3_4_8_9_11	33.2999	-303.226	0.2620024	0	0.070094892	0	0
cov2_3_7_9_10_11	33.3019	-303.227	0.2601849	0	0	0	0.013157285
cov1_3_6_8_9_11	33.3042	-303.228	0.2619942	0	0.069989227	0	0
cov2_3_8_9_10_11	33.3076	-303.229	0.2601455	0	0	0	0.013056006
cov1_3_5_6_7_8	33.3432	-303.247	0.2632101	0	0.029128698	0	0
cov3_7_8_9_10_11	33.3673	-303.259	0.2591765	0	0	0	0
cov1_2_3_6_10_11	33.3901	-303.271	0.2581818	0	0.088996304	0	-0.039968692
cov1_2_3_6_9_11	33.3909	-303.271	0.2590483	0	0.091060353	0	-0.039186066
cov1_2_3_6_9_10	33.464	-303.308	0.2630838	0	0.12867726	0	-0.037812639
cov1_2_3_4_7_10	33.5299	-303.341	0.2637761	0	0.12326197	0	-0.051498295
cov1_5_6_7_8_9	33.5397	-303.345	0.2588095	0	-0.021939046	0	0
cov1_2_3_4_8_10	33.546	-303.349	0.2637163	0	0.12306577	0	-0.051628778
cov1_2_3_7_8_10	33.6368	-303.394	0.2638278	0	0.12996611	0	-0.035157793
cov2_3_4_6_8_11	33.6378	-303.394	0.2616407	0	0	0	-0.03009433
cov1_2_3_6_7_10	33.6379	-303.395	0.2638223	0	0.12994765	0	-0.035150398
cov2_3_4_6_7_11	33.6386	-303.395	0.2616559	0	0	0	-0.029986924
cov3_4_6_7_10_11	33.642	-303.397	0.2614206	0	0	0	0
cov3_4_6_8_10_11	33.6438	-303.397	0.2614037	0	0	0	0
cov1_2_3_4_7_9	33.6462	-303.399	0.264313	0	0.12747798	0	-0.047876003
cov1_2_3_4_7_8	33.65	-303.401	0.2644855	0	0.12879688	0	-0.047004786
cov1_2_3_4_6_7	33.6508	-303.401	0.2645081	0	0.12650555	0	-0.047007338
cov1_2_3_6_8_10	33.6559	-303.404	0.2637813	0	0.12885759	0	-0.035155548
cov1_2_3_4_8_9	33.6612	-303.406	0.2642616	0	0.12728839	0	-0.048013627
cov1_2_3_4_6_8	33.6649	-303.408	0.2644662	0	0.12555394	0	-0.04716693
cov2_3_6_8_10_11	33.6757	-303.413	0.260685	0	0	0	-0.010452502
cov2_3_6_7_10_11	33.6767	-303.414	0.2607002	0	0	0	-0.010234238
cov2_3_4_6_10_11	33.6864	-303.419	0.2591077	0	0	0	-0.044484283
cov3_6_7_8_10_11	33.7039	-303.428	0.2611074	0	0	0	0
cov1_3_4_6_9_11	33.7157	-303.433	0.260386	0	0.059823451	0	0
cov1_2_3_6_7_8	33.7189	-303.435	0.264445	0	0.13058235	0	-0.034358468
cov1_2_3_6_7_9	33.7198	-303.435	0.26441	0	0.13023697	0	-0.034385948
cov1_2_3_7_8_9	33.7198	-303.435	0.2643687	0	0.13318332	0	-0.034296878
cov1_3_4_6_10_11	33.7218	-303.437	0.2596584	0	0.055122846	0	0
cov1_2_3_6_8_9	33.7356	-303.443	0.2643725	0	0.12924924	0	-0.034395213
cov2_3_4_7_10_11	33.7596	-303.455	0.2593793	0	0	0	-0.025721263
cov1_3_4_6_9_10	33.7607	-303.456	0.2643579	0	0.094885615	0	0
cov2_3_4_8_10_11	33.7634	-303.457	0.2593475	0	0	0	-0.025864211
cov3_4_6_7_9_11	33.7692	-303.46	0.2619731	0	0	0	0
cov3_4_6_8_9_11	33.7701	-303.461	0.2619601	0	0	0	0
cov3_4_6_7_8_11	33.779	-303.465	0.2622149	0	0	0	0
cov2_3_6_8_9_11	33.7943	-303.473	0.2613449	0	0	0	-0.009337623
cov2_3_4_6_9_11	33.7948	-303.473	0.2599661	0	0	0	-0.039418188

cov2_4_6_9_10_11	33.795	-303.473	0.2582336	0	0	0	-0.065239823
cov2_3_6_7_9_11	33.7956	-303.473	0.2613563	0	0	0	-0.009150593
cov2_3_6_7_8_11	33.8011	-303.476	0.2615871	0	0	0	-0.008971268
cov3_6_7_8_9_11	33.8171	-303.484	0.2617102	0	0	0	0
cov3_4_7_8_10_11	33.8658	-303.509	0.2602302	0	0	0	0
cov1_2_4_8_9_10	33.8741	-303.513	0.2608662	0	0.11904448	0	-0.0792167
cov1_2_4_7_9_10	33.8742	-303.513	0.2608644	0	0.1190447	0	-0.079239041
cov1_2_4_6_9_10	33.8743	-303.513	0.2608623	0	0.11875575	0	-0.079355301
cov1_3_4_7_8_10	33.8984	-303.525	0.2649462	0	0.10209178	0	0
cov1_3_4_6_7_10	33.8991	-303.525	0.2649205	0	0.10332098	0	0
cov1_3_6_7_8_10	33.8992	-303.525	0.2649577	0	0.10212077	0	0
cov1_3_4_6_8_10	33.9174	-303.534	0.2648812	0	0.10213336	0	0
cov1_2_7_9_10_11	33.9507	-303.551	0.2561661	0	0.098265972	0	-0.04382018
cov1_2_8_9_10_11	33.9508	-303.551	0.2561722	0	0.098332433	0	-0.043826871
cov1_3_4_6_7_8	33.9647	-303.558	0.2653916	0	0.10613122	0	0
cov1_3_4_7_8_9	33.965	-303.558	0.2653901	0	0.10782796	0	0
cov1_3_4_6_7_9	33.9657	-303.558	0.2654151	0	0.10597692	0	0
cov1_3_6_7_8_9	33.9699	-303.561	0.2654895	0	0.10303004	0	0
cov2_4_7_9_10_11	33.9736	-303.562	0.2569587	0	0	0	-0.052345533
cov2_4_8_9_10_11	33.9742	-303.563	0.2569662	0	0	0	-0.05234969
cov1_3_4_6_8_9	33.9819	-303.567	0.2653786	0	0.10488003	0	0
cov2_3_4_7_9_11	34.0076	-303.579	0.2598502	0	0	0	-0.020398024
cov2_3_4_8_9_11	34.0107	-303.581	0.2598216	0	0	0	-0.020531786
cov1_2_4_8_10_11	34.0221	-303.587	0.2565858	0	0.073184168	0	-0.083166593
cov1_2_4_7_10_11	34.0224	-303.587	0.2565811	0	0.073154411	0	-0.083153532
cov1_2_4_8_9_11	34.0268	-303.589	0.2573111	0	0.078642444	0	-0.078451417
cov1_2_4_7_9_11	34.0273	-303.589	0.257306	0	0.078613004	0	-0.078438711
cov1_2_4_6_8_11	34.0326	-303.592	0.2568211	0	0.082936905	0	-0.080434108
cov1_2_4_6_7_11	34.0335	-303.592	0.2568239	0	0.082739004	0	-0.080421376
cov1_2_4_7_8_11	34.0411	-303.596	0.256963	0	0.0760174	0	-0.080561761
cov1_2_4_6_10_11	34.0722	-303.612	0.2564967	0	0.084912535	0	-0.084951708
cov3_4_7_8_9_11	34.0743	-303.613	0.2605246	0	0	0	0
cov1_2_4_6_9_11	34.0987	-303.625	0.2572991	0	0.087690235	0	-0.080282246
cov1_2_6_9_10_11	34.1109	-303.631	0.2562258	0	0.10528712	0	-0.043767833
cov3_4_6_8_9_10	34.1203	-303.636	0.2676088	0	0	0	0
cov3_4_6_7_9_10	34.1231	-303.637	0.2676288	0	0	0	0
cov2_3_4_7_8_11	34.1284	-303.64	0.2606356	0	0	0	-0.0134838
cov2_3_7_8_10_11	34.1555	-303.653	0.2594452	0	0	0	0.011903501
cov1_4_7_9_10_11	34.1598	-303.655	0.2586292	0	0.04307653	0	0
cov1_4_8_9_10_11	34.1598	-303.655	0.2586346	0	0.043117338	0	0
cov1_2_3_4_6_10	34.165	-303.658	0.2621139	0	0.11593683	0	-0.060146381
cov1_2_3_4_6_9	34.1812	-303.666	0.2628506	0	0.11793406	0	-0.056088387
cov1_4_6_9_10_11	34.2709	-303.711	0.2586851	0	0.051584297	0	0
cov2_3_6_8_9_10	34.2985	-303.725	0.2675427	0	0	0	0.008282317
cov2_3_6_7_9_10	34.3039	-303.728	0.2675653	0	0	0	0.008591876
cov3_6_7_8_9_10	34.3183	-303.735	0.2673484	0	0	0	0
cov2_3_7_8_9_11	34.353	-303.752	0.259915	0	0	0	0.014707477

cov1_6_7_9_10_11	34.3569	-303.754	0.2576011	0	0.065334477	0	0
cov1_6_8_9_10_11	34.3569	-303.754	0.2576003	0	0.065681003	0	0
cov1_7_8_9_10_11	34.3574	-303.754	0.2576582	0	0.06332432	0	0
cov4_6_7_9_10_11	34.3618	-303.756	0.2588134	0	0	0	0
cov4_6_8_9_10_11	34.3639	-303.758	0.2588172	0	0	0	0
cov4_7_8_9_10_11	34.4743	-303.813	0.258089	0	0	0	0
cov2_4_6_7_10_11	34.5427	-303.847	0.2571939	0	0	0	-0.063440712
cov2_4_6_8_10_11	34.5454	-303.848	0.2571992	0	0	0	-0.063411177
cov2_3_4_6_9_10	34.5585	-303.855	0.2657135	0	0	0	-0.02703574
cov2_4_6_7_9_11	34.5864	-303.869	0.2579989	0	0	0	-0.058156447
cov2_4_6_7_8_11	34.5871	-303.869	0.2578648	0	0	0	-0.058999691
cov2_4_6_8_9_11	34.5893	-303.87	0.2580042	0	0	0	-0.058124361
cov1_2_6_8_9_10	34.6869	-303.919	0.2597379	0	0.12883623	0	-0.039637596
cov1_2_6_7_9_10	34.6872	-303.919	0.2597376	0	0.12871246	0	-0.039638315
cov1_2_7_8_9_10	34.6922	-303.922	0.2596379	0	0.13461495	0	-0.039448891
cov2_6_7_9_10_11	34.7452	-303.948	0.2570026	0	0	0	-0.014755711
cov2_6_8_9_10_11	34.7525	-303.952	0.2570064	0	0	0	-0.014589212
cov1_2_4_7_8_9	34.7633	-303.957	0.2607436	0	0.1155359	0	-0.072911302
cov1_2_4_6_8_9	34.7639	-303.958	0.2607593	0	0.11444104	0	-0.072864027
cov1_2_4_6_7_9	34.7642	-303.958	0.2607577	0	0.11441644	0	-0.072881775
cov2_4_7_8_10_11	34.7731	-303.962	0.2563517	0	0	0	-0.053188375
cov1_2_4_7_8_10	34.7749	-303.963	0.2600619	0	0.110582	0	-0.077381186
cov1_2_4_6_8_10	34.775	-303.963	0.2600238	0	0.11246871	0	-0.077367715
cov1_2_4_6_7_10	34.7751	-303.963	0.2600224	0	0.11246743	0	-0.077388585
cov1_2_7_8_9_11	34.7787	-303.965	0.2562358	0	0.095131574	0	-0.04049418
cov1_2_6_7_9_11	34.779	-303.965	0.256232	0	0.095116349	0	-0.040490314
cov1_2_6_8_9_11	34.779	-303.965	0.2562321	0	0.095464481	0	-0.040489225
cov1_2_4_6_7_8	34.7851	-303.968	0.2603143	0	0.11346382	0	-0.075473152
cov6_7_8_9_10_11	34.8026	-303.977	0.2575149	0	0	0	0
cov1_4_6_8_9_10	34.8195	-303.985	0.2618584	0	0.079384599	0	0
cov1_4_7_8_9_10	34.8195	-303.985	0.2618397	0	0.080469299	0	0
cov1_4_6_7_9_10	34.8199	-303.986	0.2618575	0	0.079299446	0	0
cov2_4_7_8_9_11	34.8874	-304.019	0.2569843	0	0	0	-0.046453673
cov2_3_4_6_8_10	34.9062	-304.029	0.2661986	0	0	0	-0.018244364
cov2_3_4_6_7_10	34.9095	-304.03	0.2662173	0	0	0	-0.018055942
cov1_2_6_7_10_11	34.9272	-304.039	0.2553612	0	0.093482738	0	-0.041012959
cov1_2_6_8_10_11	34.9273	-304.039	0.2553582	0	0.093821501	0	-0.041012207
cov1_2_7_8_10_11	34.9282	-304.04	0.2554218	0	0.09098755	0	-0.041086524
cov1_4_6_8_9_11	34.9527	-304.052	0.2583824	0	0.04817228	0	0
cov1_4_6_7_9_11	34.9532	-304.052	0.2583814	0	0.047899024	0	0
cov1_4_7_8_9_11	34.9558	-304.054	0.2584916	0	0.044023263	0	0
cov3_4_6_7_8_10	34.9574	-304.054	0.2664923	0	0	0	0
cov1_2_6_7_8_11	34.9643	-304.058	0.2547024	0	0.092685124	0	-0.04172795
cov1_6_7_8_9_10	35.0204	-304.086	0.2609087	0	0.097003468	0	0
cov2_3_4_6_8_9	35.043	-304.097	0.2667705	0	0	0	-0.014525904
cov2_3_4_6_7_9	35.0466	-304.099	0.2667854	0	0	0	-0.014364594
cov1_4_6_8_10_11	35.0506	-304.101	0.2577092	0	0.043669434	0	0



cov1_4_6_7_10_11	35.051	-304.101	0.2577085	0	0.043411586	0	0
cov1_4_6_7_8_11	35.0577	-304.104	0.2574965	0	0.042078551	0	0
cov1_4_7_8_10_11	35.0594	-304.105	0.2578893	0	0.03678008	0	0
cov2_3_4_6_7_8	35.061	-304.106	0.2671341	0	0	0	-0.012616157
cov3_4_6_7_8_9	35.0756	-304.113	0.267001	0	0	0	0
cov1_6_7_8_9_11	35.1265	-304.139	0.2575375	0	0.064377777	0	0
cov2_4_6_7_9_10	35.128	-304.14	0.2636801	0	0	0	-0.04438599
cov2_4_6_8_9_10	35.1286	-304.14	0.2636762	0	0	0	-0.044413176
cov2_3_6_7_8_10	35.1524	-304.152	0.2663999	0	0	0	0.008766632
cov4_6_7_8_9_11	35.1602	-304.156	0.258698	0	0	0	0
cov4_6_7_8_10_11	35.2214	-304.186	0.2579987	0	0	0	0
cov2_3_6_7_8_9	35.2399	-304.196	0.2669658	0	0	0	0.009577912
cov1_6_7_8_10_11	35.2835	-304.217	0.2567192	0	0.062362144	0	0
cov2_7_8_9_10_11	35.3643	-304.258	0.2555719	0	0	0	0.010388187
cov1_2_6_7_8_9	35.458	-304.305	0.2596645	0	0.12417097	0	-0.036599583
cov4_6_7_8_9_10	35.4727	-304.312	0.2636924	0	0	0	0
cov2_6_7_8_9_11	35.513	-304.332	0.2570231	0	0	0	-0.012744925
cov1_4_6_7_8_9	35.5687	-304.36	0.2616082	0	0.078491543	0	0
cov1_2_6_7_8_10	35.617	-304.384	0.2588225	0	0.12272369	0	-0.037045126
cov2_6_7_8_10_11	35.6369	-304.394	0.2561569	0	0	0	-0.013725934
cov1_4_6_7_8_10	35.677	-304.414	0.2609651	0	0.074325053	0	0
cov2_3_4_7_9_10	35.7331	-304.442	0.2672467	0	0	0	0.018843544
cov2_3_4_8_9_10	35.7423	-304.447	0.2672009	0	0	0	0.018662123
cov3_4_7_8_9_10	35.796	-304.474	0.2668621	0	0	0	0
cov2_4_6_7_8_10	35.9017	-304.526	0.2626904	0	0	0	-0.044475612
cov2_4_6_7_8_9	35.9274	-304.539	0.2634341	0	0	0	-0.039644873
cov2_6_7_8_9_10	36.1708	-304.661	0.2625069	0	0	0	0.004039099
cov2_3_4_7_8_10	36.3301	-304.741	0.2662976	0	0	0	0.015752923
cov2_3_7_8_9_10	36.4153	-304.783	0.2678743	0	0	0	0.071249712
cov2_4_7_8_9_10	36.5121	-304.832	0.2639852	0	0	0	-0.007533202
cov2_3_4_7_8_9	36.605	-304.878	0.2666748	0	0	0	0.020597711
cov1_3_4_5_9_10_11	37.7339	-301.928	0.2548686	0	-0.051746128	0	0
cov2_3_4_5_9_10_11	37.7352	-301.929	0.2556149	0	0	0	-0.036835432
cov2_3_5_7_9_10_11	37.8338	-301.978	0.2566802	0	0	0	-0.049770758
cov2_3_5_8_9_10_11	37.8352	-301.979	0.2566592	0	0	0	-0.049863923
cov2_3_5_6_9_10_11	37.8419	-301.982	0.2556626	0	0	0	-0.050311474
cov3_4_5_6_9_10_11	37.8496	-301.986	0.2555368	0	0	0	0
cov1_2_3_5_9_10_11	37.855	-301.989	0.2558876	0	-0.012663854	0	-0.049725371
cov3_4_5_7_9_10_11	37.8698	-301.996	0.2574733	0	0	0	0
cov3_4_5_8_9_10_11	37.8728	-301.997	0.2574497	0	0	0	0
cov1_4_5_7_9_10_11	38.0857	-302.104	0.2518348	0	-0.087035772	0	0
cov1_4_5_8_9_10_11	38.0875	-302.105	0.2518518	0	-0.08689012	0	0
cov1_2_5_7_9_10_11	38.1587	-302.14	0.2533458	0	-0.039596029	0	-0.051904962
cov1_2_5_8_9_10_11	38.1591	-302.141	0.2533377	0	-0.039549904	0	-0.051896457
cov2_5_6_8_9_10_11	38.1949	-302.158	0.2532016	0	0	0	-0.057172126
cov2_5_6_7_9_10_11	38.1968	-302.159	0.2532028	0	0	0	-0.057228119
cov2_4_5_7_9_10_11	38.2307	-302.176	0.2534855	0	0	0	-0.053461539

cov2_4_5_8_9_10_11	38.2308	-302.176	0.2534937	0	0	0	-0.053464635
cov2_5_7_8_9_10_11	38.2742	-302.198	0.2539614	0	0	0	-0.061731919
cov1_2_4_5_9_10_11	38.3109	-302.217	0.2525246	0	-0.045089816	0	-0.036105935
cov1_3_5_7_9_10_11	38.3408	-302.231	0.258644	0	-0.035157453	0	0
cov1_3_5_8_9_10_11	38.3425	-302.232	0.2586082	0	-0.035607241	0	0
cov3_5_6_7_9_10_11	38.3544	-302.238	0.2589906	0	0	0	0
cov1_3_5_6_9_10_11	38.3581	-302.24	0.2574744	0	-0.037801094	0	0
cov3_5_6_8_9_10_11	38.3592	-302.241	0.2589643	0	0	0	0
cov2_4_5_6_9_10_11	38.3619	-302.242	0.2527466	0	0	0	-0.04749432
cov1_2_5_6_9_10_11	38.3693	-302.246	0.2531862	0	-0.021857669	0	-0.051544282
cov3_5_7_8_9_10_11	38.4196	-302.271	0.2601566	0	0	0	0
cov1_4_5_6_9_10_11	38.4611	-302.292	0.2522269	0	-0.065876501	0	0
cov4_5_6_8_9_10_11	38.4657	-302.294	0.2529696	0	0	0	0
cov4_5_6_7_9_10_11	38.4694	-302.296	0.2529732	0	0	0	0
cov2_3_4_5_7_9_10	38.5281	-302.325	0.2588015	0	0	0	-0.014047342
cov2_3_4_5_8_9_10	38.5305	-302.326	0.2587755	0	0	0	-0.014172114
cov3_4_5_7_8_9_10	38.5612	-302.342	0.259275	0	0	0	0
cov1_3_4_5_7_9_10	38.5617	-302.342	0.2591773	0	-0.002227852	0	0
cov3_4_5_6_7_9_10	38.5618	-302.342	0.2592169	0	0	0	0
cov1_3_4_5_8_9_10	38.5645	-302.343	0.2591324	0	-0.002740482	0	0
cov3_4_5_6_8_9_10	38.5649	-302.343	0.2591945	0	0	0	0
cov1_2_3_4_5_9_10	38.5793	-302.351	0.2581038	0	-0.002125307	0	-0.017303984
cov2_3_4_5_6_9_10	38.5796	-302.351	0.2581247	0	0	0	-0.017990491
cov1_3_4_5_6_9_10	38.6159	-302.369	0.2581471	0	-0.015750374	0	0
cov1_2_3_4_5_10_11	38.6331	-302.378	0.2539023	0	-0.043015849	0	-0.021782361
cov2_3_4_5_6_10_11	38.6723	-302.397	0.2541053	0	0	0	-0.032022415
cov1_3_4_5_6_10_11	38.6755	-302.399	0.2537606	0	-0.050674061	0	0
cov1_3_4_5_7_10_11	38.6895	-302.406	0.2541744	0	-0.056881142	0	0
cov1_3_4_5_8_10_11	38.6896	-302.406	0.2541611	0	-0.057042361	0	0
cov1_2_3_5_7_9_10	38.7043	-302.413	0.2606083	0	0.038503322	0	-0.044226398
cov2_3_4_5_7_10_11	38.7063	-302.414	0.2555596	0	0	0	-0.034359657
cov1_5_6_8_9_10_11	38.7077	-302.415	0.2548914	0	-0.066178909	0	0
cov2_3_4_5_8_10_11	38.7078	-302.415	0.2555395	0	0	0	-0.034460487
cov1_5_6_7_9_10_11	38.7084	-302.415	0.2548919	0	-0.066546446	0	0
cov1_2_3_5_8_9_10	38.709	-302.416	0.2605577	0	0.037890842	0	-0.044249549
cov1_5_7_8_9_10_11	38.7287	-302.425	0.255222	0	-0.076469137	0	0
cov4_5_7_8_9_10_11	38.7547	-302.438	0.254814	0	0	0	0
cov2_3_5_6_7_9_10	38.7823	-302.452	0.2600803	0	0	0	-0.038054775
cov2_3_5_6_8_9_10	38.7842	-302.453	0.2600603	0	0	0	-0.038168086
cov2_3_5_6_7_10_11	38.7846	-302.453	0.2553398	0	0	0	-0.047176733
cov2_3_5_6_8_10_11	38.7861	-302.454	0.2553165	0	0	0	-0.047285565
cov3_4_5_6_7_10_11	38.7866	-302.454	0.2554158	0	0	0	0
cov3_4_5_6_8_10_11	38.7898	-302.456	0.2553889	0	0	0	0
cov1_2_3_5_6_10_11	38.7962	-302.459	0.2547231	0	-0.012143344	0	-0.046941511
cov2_3_5_7_8_9_10	38.7989	-302.461	0.2597016	0	0	0	-0.036040498
cov1_2_3_5_6_9_10	38.8033	-302.463	0.2593124	0	0.02287764	0	-0.04516949
cov1_2_3_5_7_10_11	38.8051	-302.464	0.2555511	0	-0.015309413	0	-0.046729167

cov1_2_3_5_8_10_11	38.8059	-302.464	0.2555295	0	-0.015607391	0	-0.04674503
cov2_3_5_7_8_10_11	38.8183	-302.47	0.2560316	0	0	0	-0.049393391
cov1_2_3_7_9_10_11	38.8484	-302.485	0.2610513	0	0.10067499	0	-0.042319256
cov1_2_4_5_8_9_10	38.8484	-302.485	0.2558831	0	-0.022505424	0	-0.022242052
cov1_2_4_5_7_9_10	38.849	-302.486	0.255878	0	-0.022540296	0	-0.022215585
cov1_2_3_8_9_10_11	38.8609	-302.492	0.2609926	0	0.10039669	0	-0.042314049
cov2_4_5_6_8_9_10	38.8705	-302.496	0.2559958	0	0	0	-0.02966622
cov2_4_5_6_7_9_10	38.8717	-302.497	0.255996	0	0	0	-0.029731681
cov2_4_5_7_8_9_10	38.882	-302.502	0.2561774	0	0	0	-0.032885988
cov3_4_5_7_8_10_11	38.8953	-302.509	0.2568696	0	0	0	0
cov1_4_5_6_8_9_10	38.9087	-302.515	0.2557415	0	-0.040937515	0	0
cov1_4_5_7_8_9_10	38.9088	-302.515	0.2557542	0	-0.041903252	0	0
cov1_4_5_6_7_9_10	38.9092	-302.516	0.2557372	0	-0.041217667	0	0
cov1_2_4_5_7_10_11	38.9129	-302.517	0.2511802	0	-0.072266588	0	-0.025240736
cov1_2_4_5_8_10_11	38.9145	-302.518	0.2511963	0	-0.072057992	0	-0.025330707
cov1_2_4_5_6_9_10	38.9547	-302.538	0.2558105	0	-0.013324108	0	-0.027764268
cov1_4_5_6_7_10_11	38.9744	-302.548	0.2508575	0	-0.08432769	0	0
cov1_4_5_6_8_10_11	38.9751	-302.549	0.2508635	0	-0.083794124	0	0
cov5_6_7_8_9_10_11	38.9813	-302.552	0.2556131	0	0	0	0
cov1_4_5_7_8_10_11	38.9906	-302.556	0.251086	0	-0.093291973	0	0
cov1_2_3_4_5_9_11	38.9909	-302.556	0.2552103	0	-0.025059951	0	-0.021223256
cov2_3_4_5_6_9_11	39.002	-302.562	0.2552965	0	0	0	-0.027061567
cov2_3_4_5_7_9_11	39.0138	-302.568	0.2562001	0	0	0	-0.028411332
cov2_3_4_5_8_9_11	39.0147	-302.568	0.2561792	0	0	0	-0.028503893
cov1_2_5_6_8_9_10	39.0237	-302.573	0.2572856	0	0.00495675	0	-0.046935607
cov4_5_6_7_8_9_10	39.0243	-302.573	0.2559771	0	0	0	0
cov1_2_5_6_7_9_10	39.0245	-302.573	0.257286	0	0.004808004	0	-0.046935113
cov1_2_5_7_8_9_10	39.0246	-302.573	0.2573362	0	0.002643608	0	-0.047013787
cov2_5_6_7_8_9_10	39.025	-302.574	0.2573146	0	0	0	-0.045899552
cov1_3_4_5_6_9_11	39.0394	-302.581	0.2551306	0	-0.035534473	0	0
cov1_3_4_5_7_9_11	39.045	-302.584	0.2554047	0	-0.039402747	0	0
cov1_3_4_5_8_9_11	39.0452	-302.584	0.255392	0	-0.039588216	0	0
cov1_2_5_6_8_10_11	39.0561	-302.589	0.2523019	0	-0.03738527	0	-0.049074764
cov1_2_5_6_7_10_11	39.0568	-302.589	0.2523016	0	-0.037753775	0	-0.049075104
cov2_4_5_6_8_10_11	39.0727	-302.597	0.2517631	0	0	0	-0.045024134
cov2_4_5_6_7_10_11	39.0751	-302.599	0.2517656	0	0	0	-0.045113099
cov1_2_5_7_8_10_11	39.0793	-302.601	0.2526177	0	-0.048047433	0	-0.049336068
cov3_4_5_6_7_9_11	39.0943	-302.608	0.256274	0	0	0	0
cov3_4_5_6_8_9_11	39.0962	-302.609	0.2562513	0	0	0	0
cov1_3_5_6_7_9_10	39.1148	-302.618	0.2622272	0	0.011195102	0	0
cov1_3_5_7_8_9_10	39.116	-302.619	0.2623151	0	0.007779806	0	0
cov1_3_5_6_8_9_10	39.1204	-302.621	0.2621804	0	0.010131627	0	0
cov3_5_6_7_8_9_10	39.1205	-302.621	0.262008	0	0	0	0
cov2_5_6_7_8_10_11	39.1332	-302.628	0.2524446	0	0	0	-0.055702418
cov2_3_5_6_7_9_11	39.1349	-302.628	0.2563416	0	0	0	-0.043476762
cov2_3_5_6_8_9_11	39.1357	-302.629	0.2563253	0	0	0	-0.043559805
cov1_2_3_5_6_9_11	39.142	-302.632	0.2560292	0	0.001166426	0	-0.04482296

cov2_3_5_7_8_9_11	39.1423	-302.632	0.2566878	0	0	0	-0.044557583
cov1_2_3_5_7_9_11	39.1428	-302.632	0.2566908	0	0.00024807	0	-0.044604029
cov3_4_5_7_8_9_11	39.1429	-302.633	0.2572711	0	0	0	0
cov1_2_3_5_8_9_11	39.1436	-302.633	0.2566641	0	-8.49E-05	0	-0.044623786
cov1_2_3_4_9_10_11	39.1573	-302.64	0.2592433	0	0.082988306	0	-0.066117863
cov2_3_4_5_7_8_11	39.1728	-302.647	0.2572324	0	0	0	-0.020382864
cov1_2_3_4_5_7_11	39.1734	-302.648	0.2572933	0	0.002383942	0	-0.02126113
cov1_2_3_4_5_8_11	39.1736	-302.648	0.2572679	0	0.002050723	0	-0.021235778
cov2_3_4_5_6_7_11	39.1737	-302.648	0.257214	0	0	0	-0.020260644
cov2_3_4_5_6_8_11	39.1738	-302.648	0.2572037	0	0	0	-0.020333334
cov1_2_3_4_5_6_11	39.1741	-302.648	0.2571171	0	0.001471682	0	-0.021131876
cov1_2_4_5_6_10_11	39.2083	-302.665	0.2515508	0	-0.04338472	0	-0.033650292
cov1_3_4_7_9_10_11	39.218	-302.67	0.2624802	0	0.071838692	0	0
cov2_4_5_7_8_10_11	39.2204	-302.671	0.2529358	0	0	0	-0.054365566
cov1_3_6_7_9_10_11	39.2215	-302.672	0.2624434	0	0.072882907	0	0
cov1_3_7_8_9_10_11	39.227	-302.675	0.2626012	0	0.066983426	0	0
cov1_3_4_5_7_8_11	39.2273	-302.675	0.2572999	0	-0.014426232	0	0
cov1_3_4_5_6_7_11	39.2279	-302.675	0.257278	0	-0.013389912	0	0
cov1_3_4_5_6_8_11	39.2281	-302.675	0.2572557	0	-0.013703025	0	0
cov1_3_4_8_9_10_11	39.2309	-302.677	0.2624219	0	0.071439954	0	0
cov1_3_6_8_9_10_11	39.2354	-302.679	0.2624056	0	0.071839338	0	0
cov3_4_5_6_7_8_11	39.2364	-302.679	0.2575499	0	0	0	0
cov1_3_5_6_7_10_11	39.238	-302.68	0.2571669	0	-0.033721908	0	0
cov1_3_5_6_8_10_11	39.2398	-302.681	0.2571327	0	-0.034373939	0	0
cov1_2_4_5_7_9_11	39.2547	-302.688	0.2524933	0	-0.054595702	0	-0.024542267
cov1_2_4_5_8_9_11	39.2557	-302.689	0.2525089	0	-0.054405723	0	-0.024624518
cov1_3_5_7_8_10_11	39.2645	-302.693	0.2575368	0	-0.045028652	0	0
cov3_5_6_7_8_10_11	39.2918	-302.707	0.2580204	0	0	0	0
cov1_2_3_5_6_7_11	39.3014	-302.712	0.258276	0	0.024569993	0	-0.042579245
cov1_2_3_5_7_8_11	39.3018	-302.712	0.2583448	0	0.021773439	0	-0.042678603
cov1_2_3_5_6_8_11	39.3024	-302.712	0.2582511	0	0.024077813	0	-0.04260324
cov1_4_5_6_7_9_11	39.3212	-302.722	0.2522307	0	-0.069319511	0	0
cov1_4_5_6_8_9_11	39.3217	-302.722	0.2522359	0	-0.068787361	0	0
cov1_4_5_7_8_9_11	39.328	-302.725	0.2523876	0	-0.075175578	0	0
cov2_3_5_6_7_8_11	39.3305	-302.726	0.258039	0	0	0	-0.038738898
cov2_4_5_6_8_9_11	39.3514	-302.737	0.2529396	0	0	0	-0.039808314
cov2_4_5_6_7_9_11	39.3535	-302.738	0.2529421	0	0	0	-0.039901708
cov1_2_3_6_9_10_11	39.3869	-302.754	0.2590758	0	0.094349384	0	-0.042817551
cov1_2_5_6_8_9_11	39.3895	-302.756	0.2535947	0	-0.024401489	0	-0.046986722
cov1_2_5_6_7_9_11	39.3903	-302.756	0.2535954	0	-0.024774466	0	-0.046988612
cov1_2_5_7_8_9_11	39.4009	-302.762	0.2538333	0	-0.031923499	0	-0.047195861
cov4_5_6_7_8_10_11	39.4082	-302.765	0.2522386	0	0	0	0
cov2_5_6_7_8_9_11	39.4223	-302.772	0.2536783	0	0	0	-0.051375709
cov2_4_5_7_8_9_11	39.4297	-302.776	0.2538059	0	0	0	-0.04667337
cov1_2_4_5_6_8_11	39.4302	-302.776	0.2543811	0	-0.027511289	0	-0.024455695
cov1_2_4_5_7_8_11	39.4303	-302.776	0.2544079	0	-0.029763638	0	-0.024384673
cov1_2_4_5_6_7_11	39.4305	-302.776	0.2543777	0	-0.028030237	0	-0.024387771

cov2_3_4_5_6_7_10	39.4379	-302.78	0.2579191	0	0	0	-0.015783606
cov2_3_4_5_7_8_10	39.4381	-302.78	0.2580124	0	0	0	-0.01646652
cov1_2_3_4_5_7_10	39.4387	-302.78	0.2580259	0	0.000625719	0	-0.016683724
cov2_3_4_5_6_8_10	39.4401	-302.781	0.2579009	0	0	0	-0.015912922
cov1_2_3_4_5_8_10	39.4409	-302.782	0.2579862	0	0.000120127	0	-0.016622459
cov2_4_5_6_7_8_11	39.4685	-302.795	0.254425	0	0	0	-0.034182816
cov1_3_4_5_6_7_10	39.4713	-302.797	0.2579637	0	-0.010450486	0	0
cov1_3_4_5_7_8_10	39.472	-302.797	0.2580376	0	-0.013015394	0	0
cov1_3_4_5_6_8_10	39.4735	-302.798	0.2579277	0	-0.011128448	0	0
cov3_4_5_6_7_8_10	39.4761	-302.799	0.2582103	0	0	0	0
cov1_2_3_4_5_6_10	39.4804	-302.801	0.2570675	0	-0.009941521	0	-0.015493245
cov1_5_6_7_8_9_10	39.4908	-302.806	0.2587491	0	-0.029182696	0	0
cov1_4_5_6_7_8_11	39.5022	-302.812	0.254276	0	-0.048561769	0	0
cov1_3_5_6_7_9_11	39.5483	-302.835	0.2582497	0	-0.020481304	0	0
cov1_3_5_6_8_9_11	39.5499	-302.836	0.2582161	0	-0.021108813	0	0
cov1_2_5_6_7_8_11	39.5518	-302.837	0.2554153	0	-0.006959111	0	-0.045146559
cov1_2_4_5_6_9_11	39.5608	-302.841	0.2529116	0	-0.028879875	0	-0.032907601
cov1_3_5_7_8_9_11	39.5617	-302.842	0.2585258	0	-0.028568545	0	0
cov1_5_6_7_8_10_11	39.566	-302.844	0.2540248	0	-0.07097097	0	0
cov3_5_6_7_8_9_11	39.5671	-302.845	0.2587685	0	0	0	0
cov1_2_3_4_7_9_10	39.574	-302.848	0.2647682	0	0.13255335	0	-0.052585771
cov1_2_3_4_8_9_10	39.592	-302.857	0.2647121	0	0.13233798	0	-0.052726893
cov4_5_6_7_8_9_11	39.6148	-302.868	0.2533076	0	0	0	0
cov1_2_3_5_6_7_10	39.6192	-302.871	0.2593766	0	0.029884096	0	-0.041917172
cov1_2_3_5_7_8_10	39.6215	-302.872	0.2594667	0	0.025862423	0	-0.042045364
cov1_2_3_5_6_8_10	39.6232	-302.873	0.2593353	0	0.029018864	0	-0.041948358
cov1_2_3_7_8_9_10	39.662	-302.892	0.2648383	0	0.13873893	0	-0.037739241
cov2_3_5_6_7_8_10	39.6621	-302.892	0.2590232	0	0	0	-0.037375324
cov1_2_3_6_7_9_10	39.6626	-302.892	0.2648682	0	0.13646681	0	-0.037805588
cov1_2_3_6_8_9_10	39.6818	-302.902	0.264827	0	0.13534608	0	-0.03780941
cov1_3_5_6_7_8_11	39.6833	-302.903	0.2597752	0	-0.003385809	0	0
cov1_2_4_5_6_8_10	39.7162	-302.919	0.2549491	0	-0.028730369	0	-0.019978176
cov1_2_4_5_6_7_10	39.7168	-302.919	0.2549523	0	-0.029002512	0	-0.019944239
cov1_2_4_5_7_8_10	39.7179	-302.92	0.2550044	0	-0.031964591	0	-0.019939363
cov3_4_6_7_9_10_11	39.7276	-302.925	0.2623631	0	0	0	0
cov3_4_6_8_9_10_11	39.7291	-302.926	0.2623478	0	0	0	0
cov2_3_6_8_9_10_11	39.7403	-302.931	0.2616317	0	0	0	-0.011610961
cov2_3_6_7_9_10_11	39.7415	-302.932	0.2616458	0	0	0	-0.011390096
cov2_4_5_6_7_8_10	39.756	-302.939	0.2551273	0	0	0	-0.029878272
cov1_2_3_4_5_7_9	39.7643	-302.943	0.2591483	0	0.016454072	0	-0.016204564
cov1_4_5_6_7_8_10	39.7649	-302.943	0.2548227	0	-0.046296816	0	0
cov1_2_3_4_5_8_9	39.7666	-302.944	0.2591065	0	0.015915689	0	-0.016139923
cov1_3_4_6_9_10_11	39.7736	-302.948	0.2605805	0	0.060024474	0	0
cov2_3_4_5_6_7_9	39.7747	-302.948	0.2588571	0	0	0	-0.011769146
cov3_6_7_8_9_10_11	39.7754	-302.949	0.2620982	0	0	0	0
cov2_3_4_5_6_8_9	39.7761	-302.949	0.2588383	0	0	0	-0.011882481
cov2_3_4_5_7_8_9	39.7777	-302.95	0.2586672	0	0	0	-0.010325536

cov1_2_3_4_7_10_11	39.783	-302.953	0.2601054	0	0.085378626	0	-0.057187844
cov2_3_4_6_9_10_11	39.7868	-302.954	0.2600079	0	0	0	-0.044629399
cov1_2_3_4_8_10_11	39.7925	-302.957	0.2600535	0	0.085088156	0	-0.057308063
cov1_3_4_5_7_8_9	39.7953	-302.959	0.2591269	0	0.003137995	0	0
cov3_4_5_6_7_8_9	39.7957	-302.959	0.2590654	0	0	0	0
cov1_3_4_5_6_7_9	39.7962	-302.959	0.2591288	0	0.002565755	0	0
cov1_3_4_5_6_8_9	39.7982	-302.96	0.259094	0	0.001908148	0	0
cov1_2_3_4_5_6_9	39.8008	-302.961	0.2583137	0	0.003654415	0	-0.015088185
cov1_5_6_7_8_9_11	39.8576	-302.99	0.2551719	0	-0.057057947	0	0
cov1_2_5_6_7_8_10	39.8895	-303.006	0.2563833	0	-0.002323708	0	-0.044525059
cov1_2_3_6_7_10_11	39.9014	-303.012	0.260038	0	0.099413397	0	-0.039324783
cov1_2_3_7_8_10_11	39.9084	-303.015	0.2601914	0	0.093060852	0	-0.039506503
cov1_2_3_6_8_10_11	39.9143	-303.018	0.259995	0	0.098421267	0	-0.039341981
cov1_2_3_4_5_6_7	39.9174	-303.02	0.2608824	0	0.033533533	0	-0.016128146
cov1_2_3_4_5_6_8	39.9196	-303.021	0.2608448	0	0.032784583	0	-0.016062251
cov1_2_3_4_5_7_8	39.92	-303.021	0.2608404	0	0.038871408	0	-0.016186465
cov1_2_3_4_7_9_11	39.9223	-303.022	0.2607105	0	0.090235567	0	-0.053350073
cov1_2_3_5_7_8_9	39.9256	-303.024	0.2604896	0	0.040180365	0	-0.040099286
cov1_2_3_5_6_7_9	39.9266	-303.024	0.260463	0	0.041050553	0	-0.040057526
cov1_2_3_4_6_7_11	39.9303	-303.026	0.2608803	0	0.096065275	0	-0.052048785
cov1_2_3_5_6_8_9	39.9303	-303.026	0.260422	0	0.040216582	0	-0.04009575
cov1_2_3_4_8_9_11	39.931	-303.027	0.2606606	0	0.089960538	0	-0.0534668
cov1_2_3_4_7_8_11	39.9321	-303.027	0.2609645	0	0.092238999	0	-0.052087453
cov1_2_3_4_6_8_11	39.9394	-303.031	0.2608376	0	0.09524049	0	-0.05219633
cov2_3_4_7_9_10_11	39.9407	-303.031	0.2600869	0	0	0	-0.024196061
cov2_3_4_8_9_10_11	39.9449	-303.033	0.260054	0	0	0	-0.024347083
cov1_3_4_5_6_7_8	39.948	-303.035	0.2608524	0	0.020435114	0	0
cov1_3_4_7_8_9_10	39.9581	-303.04	0.2659773	0	0.11087429	0	0
cov1_3_4_6_7_9_10	39.9591	-303.041	0.2660007	0	0.1097532	0	0
cov1_3_6_7_8_9_10	39.9645	-303.043	0.2660832	0	0.10643752	0	0
cov2_3_4_5_6_7_8	39.9668	-303.044	0.2605258	0	0	0	-0.005947595
cov1_3_4_6_8_9_10	39.9787	-303.05	0.2659608	0	0.10852086	0	0
cov1_3_5_6_7_8_10	39.9887	-303.055	0.2609605	0	0.002692137	0	0
cov2_3_5_6_7_8_9	40.0076	-303.065	0.2599731	0	0	0	-0.033816996
cov1_2_3_6_7_9_11	40.009	-303.066	0.2607038	0	0.10017296	0	-0.038436656
cov1_2_3_7_8_9_11	40.0104	-303.066	0.2607933	0	0.096794777	0	-0.038542386
cov1_2_3_6_7_8_11	40.0105	-303.066	0.2608374	0	0.10068331	0	-0.03832528
cov1_2_3_6_8_9_11	40.0199	-303.071	0.2606639	0	0.099287021	0	-0.038447542
cov1_2_4_5_6_8_9	40.0272	-303.075	0.2561958	0	-0.015488113	0	-0.019388763
cov1_2_4_5_7_8_9	40.0272	-303.075	0.2561971	0	-0.015597889	0	-0.019383135
cov1_2_4_5_6_7_9	40.0279	-303.075	0.256194	0	-0.015763539	0	-0.019361727
cov3_4_7_8_9_10_11	40.0346	-303.078	0.260908	0	0	0	0
cov2_4_5_6_7_8_9	40.0388	-303.08	0.2562848	0	0	0	-0.024747434
cov1_2_3_5_6_7_8	40.058	-303.09	0.2619746	0	0.056197166	0	-0.038514918
cov1_4_5_6_7_8_9	40.0731	-303.098	0.2560664	0	-0.032565167	0	0
cov1_2_4_8_9_10_11	40.0978	-303.11	0.2572651	0	0.080626443	0	-0.085291577
cov1_2_4_7_9_10_11	40.0982	-303.11	0.2572607	0	0.080603686	0	-0.085280395

cov1_2_4_6_9_10_11	40.1565	-303.139	0.2572168	0	0.090389831	0	-0.087054231
cov1_2_3_4_6_10_11	40.1578	-303.14	0.2582452	0	0.082576221	0	-0.064720367
cov1_2_4_5_6_7_8	40.1739	-303.148	0.2579343	0	0.002067519	0	-0.019279757
cov1_2_5_6_7_8_9	40.1821	-303.152	0.257536	0	0.009443104	0	-0.042644168
cov1_3_4_6_7_10_11	40.2271	-303.175	0.2613907	0	0.071379822	0	0
cov1_3_6_7_8_10_11	40.2281	-303.175	0.2614385	0	0.069772903	0	0
cov1_2_3_4_6_9_11	40.2284	-303.175	0.2590984	0	0.085438804	0	-0.060263784
cov1_3_4_7_8_10_11	40.2367	-303.179	0.2615712	0	0.064188181	0	0
cov1_3_4_6_8_10_11	40.2404	-303.181	0.2613502	0	0.070281955	0	0
cov1_2_3_4_6_9_10	40.2545	-303.188	0.2631053	0	0.1223926	0	-0.061475501
cov1_3_5_6_7_8_9	40.2643	-303.193	0.2619254	0	0.014800424	0	0
cov1_3_4_6_7_8_11	40.3146	-303.218	0.261996	0	0.07508228	0	0
cov1_3_4_6_7_9_11	40.3152	-303.219	0.2619497	0	0.074556956	0	0
cov1_3_4_7_8_9_11	40.3178	-303.22	0.2620609	0	0.070479303	0	0
cov1_3_6_7_8_9_11	40.321	-303.222	0.2620348	0	0.071198375	0	0
cov1_3_4_6_8_9_11	40.3267	-303.224	0.2619048	0	0.073560569	0	0
cov2_3_7_8_9_10_11	40.331	-303.227	0.2601853	0	0	0	0.013161569
cov2_3_4_6_8_10_11	40.4681	-303.295	0.2604921	0	0	0	-0.036707833
cov2_3_4_6_7_10_11	40.4682	-303.295	0.2605059	0	0	0	-0.036560962
cov1_2_3_4_7_8_10	40.5579	-303.34	0.2637817	0	0.12328195	0	-0.051512927
cov1_2_3_4_6_7_10	40.5585	-303.34	0.2637459	0	0.12504657	0	-0.051520559
cov1_2_3_4_6_8_10	40.5749	-303.349	0.2637066	0	0.12400549	0	-0.051644326
cov2_3_4_6_8_9_11	40.6381	-303.38	0.2611663	0	0	0	-0.032517052
cov2_3_4_6_7_9_11	40.6387	-303.38	0.2611748	0	0	0	-0.032405802
cov1_2_3_6_7_8_10	40.6659	-303.394	0.2638225	0	0.13023358	0	-0.035149601
cov2_3_4_6_7_8_11	40.6666	-303.394	0.2616503	0	0	0	-0.030029765
cov3_4_6_7_8_10_11	40.6705	-303.396	0.2614202	0	0	0	0
cov1_2_3_4_7_8_9	40.6738	-303.398	0.2643199	0	0.12750312	0	-0.047893369
cov1_2_3_4_6_7_9	40.675	-303.399	0.2643377	0	0.12609308	0	-0.047859986
cov1_2_3_4_6_7_8	40.6785	-303.4	0.264509	0	0.1268354	0	-0.047026877
cov1_2_3_4_6_8_9	40.6895	-303.406	0.2643011	0	0.12513992	0	-0.047984721
cov2_4_6_7_9_10_11	40.6964	-303.409	0.2579783	0	0	0	-0.06416004
cov2_4_6_8_9_10_11	40.6993	-303.411	0.2579848	0	0	0	-0.064119407
cov2_3_6_7_8_10_11	40.7039	-303.413	0.2606976	0	0	0	-0.010351277
cov1_2_3_6_7_8_9	40.7478	-303.435	0.2644124	0	0.13054657	0	-0.034387004
cov2_3_4_7_8_10_11	40.7886	-303.455	0.2593811	0	0	0	-0.025720735
cov3_4_6_7_8_9_11	40.7977	-303.46	0.2619726	0	0	0	0
cov2_3_6_7_8_9_11	40.8229	-303.472	0.2613538	0	0	0	-0.009264346
cov1_2_4_7_8_9_10	40.9022	-303.512	0.2608696	0	0.11906427	0	-0.079257114
cov1_2_4_6_7_9_10	40.9032	-303.513	0.2608712	0	0.11868986	0	-0.079235123
cov1_2_4_6_8_9_10	40.9032	-303.513	0.2608744	0	0.11865959	0	-0.079206746
cov1_3_4_6_7_8_10	40.9271	-303.525	0.2649221	0	0.10359745	0	0
cov1_2_7_8_9_10_11	40.9795	-303.551	0.2561672	0	0.098278628	0	-0.043822762
cov1_2_6_7_9_10_11	40.9797	-303.551	0.2561515	0	0.098809234	0	-0.04380456
cov1_2_6_8_9_10_11	40.9798	-303.551	0.2561514	0	0.099150767	0	-0.043803373
cov1_3_4_6_7_8_9	40.9937	-303.558	0.2654167	0	0.10626471	0	0
cov2_4_7_8_9_10_11	41.0026	-303.562	0.25696	0	0	0	-0.052345557

cov2_3_4_7_8_9_11	41.0365	-303.579	0.2598527	0	0	0	-0.020397159
cov1_2_4_6_8_10_11	41.0379	-303.58	0.2563588	0	0.081559517	0	-0.083344161
cov1_2_4_6_7_10_11	41.0387	-303.58	0.2563592	0	0.081372717	0	-0.083334502
cov1_2_4_6_8_9_11	41.0504	-303.586	0.2571623	0	0.084010551	0	-0.078550279
cov1_2_4_7_8_10_11	41.0512	-303.587	0.2565811	0	0.073167509	0	-0.083118263
cov1_2_4_6_7_9_11	41.0513	-303.587	0.2571615	0	0.083801781	0	-0.078540114
cov1_2_4_7_8_9_11	41.0559	-303.589	0.2573107	0	0.0786392	0	-0.078449893
cov1_2_4_6_7_8_11	41.0616	-303.592	0.256824	0	0.083008255	0	-0.080440323
cov2_3_4_6_8_9_10	41.1013	-303.612	0.2673293	0	0	0	-0.017511747
cov2_3_4_6_7_9_10	41.1051	-303.614	0.2673482	0	0	0	-0.017322448
cov3_4_6_7_8_9_10	41.1485	-303.635	0.2676205	0	0	0	0
cov1_4_6_8_9_10_11	41.1841	-303.653	0.2584996	0	0.04804317	0	0
cov1_4_6_7_9_10_11	41.1846	-303.653	0.2584999	0	0.047778192	0	0
cov1_4_7_8_9_10_11	41.1886	-303.655	0.2586324	0	0.043095804	0	0
cov2_3_6_7_8_9_10	41.3271	-303.725	0.2675522	0	0	0	0.008345242
cov1_6_7_8_9_10_11	41.3857	-303.754	0.2576019	0	0.065512882	0	0
cov4_6_7_8_9_10_11	41.3907	-303.756	0.2588129	0	0	0	0
cov2_4_6_7_8_10_11	41.571	-303.847	0.2571924	0	0	0	-0.063484616
cov2_4_6_7_8_9_11	41.6147	-303.868	0.2579973	0	0	0	-0.058199574
cov1_2_6_7_8_9_10	41.7159	-303.919	0.2597374	0	0.12888196	0	-0.039638033
cov2_6_7_8_9_10_11	41.7712	-303.947	0.2570007	0	0	0	-0.014905661
cov1_2_4_6_7_8_9	41.7922	-303.957	0.2607583	0	0.11469795	0	-0.072898337
cov1_2_4_6_7_8_10	41.8032	-303.963	0.2600225	0	0.11274335	0	-0.077408761
cov1_2_6_7_8_9_11	41.8077	-303.965	0.2562329	0	0.095273924	0	-0.040488922
cov1_4_6_7_8_9_10	41.8484	-303.985	0.2618578	0	0.079510418	0	0
cov2_3_4_6_7_8_10	41.9348	-304.028	0.2662072	0	0	0	-0.018168508
cov1_2_6_7_8_10_11	41.9561	-304.039	0.2553341	0	0.093600049	0	-0.041022593
cov1_4_6_7_8_9_11	41.9818	-304.052	0.2583817	0	0.048101118	0	0
cov2_3_4_6_7_8_9	42.0719	-304.097	0.2667789	0	0	0	-0.014472919
cov1_4_6_7_8_10_11	42.0796	-304.101	0.2577088	0	0.04359943	0	0
cov2_4_6_7_8_9_10	42.1534	-304.138	0.2636673	0	0	0	-0.04449981
cov2_3_4_7_8_9_10	42.7617	-304.442	0.2672508	0	0	0	0.018841337
cov1_2_3_4_5_9_10_11	44.6934	-301.893	0.2547635	0	-0.033836293	0	-0.023925849
cov2_3_4_5_6_9_10_11	44.7181	-301.906	0.2549245	0	0	0	-0.032005943
cov2_3_4_5_7_9_10_11	44.7238	-301.908	0.2561861	0	0	0	-0.033041213
cov2_3_4_5_8_9_10_11	44.7255	-301.909	0.2561646	0	0	0	-0.033148755
cov1_3_4_5_6_9_10_11	44.7539	-301.923	0.2546872	0	-0.04513825	0	0
cov1_3_4_5_7_9_10_11	44.7581	-301.926	0.2552209	0	-0.047161345	0	0
cov1_3_4_5_8_9_10_11	44.7585	-301.926	0.2551974	0	-0.047413707	0	0
cov3_4_5_6_7_9_10_11	44.828	-301.961	0.2562802	0	0	0	0
cov3_4_5_6_8_9_10_11	44.8313	-301.962	0.2562511	0	0	0	0
cov2_3_5_6_7_9_10_11	44.8487	-301.971	0.256225	0	0	0	-0.048334007
cov2_3_5_6_8_9_10_11	44.8503	-301.972	0.2562027	0	0	0	-0.048442436
cov1_2_3_5_7_9_10_11	44.8621	-301.978	0.2565653	0	-0.003626031	0	-0.049135419
cov2_3_5_7_8_9_10_11	44.8624	-301.978	0.2566845	0	0	0	-0.049767845
cov1_2_3_5_8_9_10_11	44.8634	-301.978	0.2565335	0	-0.004021851	0	-0.049157264
cov1_2_3_5_6_9_10_11	44.8698	-301.981	0.2556252	0	-0.004536298	0	-0.049524038



cov3_4_5_7_8_9_10_11	44.8985	-301.996	0.2574776	0	0	0
cov1_2_4_5_7_9_10_11	45.0207	-302.057	0.2519296	0	-0.063832658	-0.027776946
cov1_2_4_5_8_9_10_11	45.0219	-302.057	0.2519452	0	-0.063630938	-0.027864015
cov1_4_5_6_7_9_10_11	45.1047	-302.099	0.2516505	0	-0.079986155	0
cov1_4_5_6_8_9_10_11	45.1053	-302.099	0.2516504	0	-0.07944532	0
cov1_4_5_7_8_9_10_11	45.1146	-302.104	0.2518376	0	-0.087023354	0
cov2_4_5_6_8_9_10_11	45.1517	-302.122	0.252467	0	0	-0.045494955
cov2_4_5_6_7_9_10_11	45.154	-302.123	0.2524697	0	0	-0.045585768
cov1_2_5_6_8_9_10_11	45.1717	-302.132	0.2530812	0	-0.030787248	-0.051683695
cov1_2_5_6_7_9_10_11	45.1725	-302.133	0.2530814	0	-0.031157166	-0.051683549
cov1_2_5_7_8_9_10_11	45.1875	-302.14	0.2533494	0	-0.039575931	-0.051908287
cov2_5_6_7_8_9_10_11	45.2239	-302.158	0.2532014	0	0	-0.057161433
cov2_4_5_7_8_9_10_11	45.2594	-302.176	0.2534895	0	0	-0.053460239
cov1_2_4_5_6_9_10_11	45.3261	-302.21	0.2522999	0	-0.036815029	-0.036188053
cov1_3_5_6_7_9_10_11	45.351	-302.222	0.2583275	0	-0.02569369	0
cov1_3_5_6_8_9_10_11	45.3535	-302.223	0.2582885	0	-0.026462348	0
cov1_3_5_7_8_9_10_11	45.3695	-302.231	0.2586492	0	-0.035109454	0
cov3_5_6_7_8_9_10_11	45.3814	-302.237	0.2589815	0	0	0
cov4_5_6_7_8_9_10_11	45.4944	-302.294	0.2529691	0	0	0
cov1_2_3_4_5_7_9_10	45.548	-302.321	0.2591928	0	0.013192088	-0.018757021
cov1_2_3_4_5_8_9_10	45.5512	-302.322	0.259145	0	0.01258182	-0.018678998
cov2_3_4_5_6_7_9_10	45.5555	-302.324	0.2589278	0	0	-0.014983774
cov2_3_4_5_7_8_9_10	45.5564	-302.325	0.2588069	0	0	-0.014051455
cov2_3_4_5_6_8_9_10	45.5578	-302.325	0.2589067	0	0	-0.015124229
cov1_3_4_5_7_8_9_10	45.59	-302.341	0.259184	0	-0.002199583	0
cov3_4_5_6_7_8_9_10	45.5901	-302.342	0.2592135	0	0	0
cov1_3_4_5_6_7_9_10	45.5907	-302.342	0.2591762	0	-0.001883081	0
cov1_3_4_5_6_8_9_10	45.5936	-302.343	0.2591304	0	-0.002654832	0
cov1_2_3_4_5_6_9_10	45.6084	-302.351	0.258105	0	-0.002183162	-0.017303983
cov1_2_3_4_5_6_10_11	45.6461	-302.37	0.2536653	0	-0.034089594	-0.021927492
cov1_2_3_4_5_7_10_11	45.6597	-302.376	0.2541504	0	-0.039623542	-0.022017317
cov1_2_3_4_5_8_10_11	45.66	-302.376	0.2541342	0	-0.03983283	-0.021999587
cov2_3_4_5_6_7_10_11	45.6797	-302.386	0.2546473	0	0	-0.029928209
cov2_3_4_5_6_8_10_11	45.6815	-302.387	0.2546227	0	0	-0.030061775
cov1_3_4_5_6_7_10_11	45.7031	-302.398	0.2539518	0	-0.048171415	0
cov1_3_4_5_6_8_10_11	45.7034	-302.398	0.2539302	0	-0.048491314	0
cov1_3_4_5_7_8_10_11	45.7184	-302.406	0.2541778	0	-0.056862411	0
cov1_2_3_5_7_8_9_10	45.7323	-302.413	0.2606158	0	0.03854071	-0.044233387
cov1_2_3_5_6_7_9_10	45.7327	-302.413	0.2605683	0	0.040373504	-0.044167643
cov2_3_4_5_7_8_10_11	45.7351	-302.414	0.2555634	0	0	-0.034359262
cov1_5_6_7_8_9_10_11	45.7366	-302.415	0.2548918	0	-0.066286754	0
cov1_2_3_5_6_8_9_10	45.7376	-302.415	0.2605229	0	0.039402984	-0.044202843
cov1_2_3_4_7_9_10_11	45.7716	-302.432	0.2609629	0	0.093579513	-0.058494452
cov1_2_3_4_8_9_10_11	45.7824	-302.438	0.260899	0	0.09326866	-0.058643839
cov2_3_5_6_7_8_9_10	45.811	-302.452	0.2600789	0	0	-0.038029309
cov1_2_3_5_6_7_10_11	45.8124	-302.453	0.2552434	0	-0.005261169	-0.046479661
cov2_3_5_6_7_8_10_11	45.8125	-302.453	0.2553355	0	0	-0.047135127

cov3_4_5_6_7_8_10_11	45.8136	-302.453	0.2554083	0	0	0
cov1_2_3_5_6_8_10_11	45.8137	-302.453	0.2552119	0	-0.005794984	-0.046508864
cov1_2_3_5_7_8_10_11	45.8339	-302.463	0.2555553	0	-0.015282304	-0.046731641
cov1_2_3_6_7_9_10_11	45.8739	-302.483	0.2609446	0	0.10506925	-0.04219247
cov1_2_3_7_8_9_10_11	45.8768	-302.485	0.2610568	0	0.10071258	-0.042326187
cov1_2_4_5_6_8_9_10	45.8773	-302.485	0.2558669	0	-0.021496825	-0.022247815
cov1_2_4_5_7_8_9_10	45.8775	-302.485	0.2558639	0	-0.022527792	-0.022220669
cov1_2_4_5_6_7_9_10	45.878	-302.485	0.2558644	0	-0.021748014	-0.022220538
cov1_2_3_6_8_9_10_11	45.8876	-302.49	0.2609016	0	0.10405027	-0.042208813
cov2_4_5_6_7_8_9_10	45.8995	-302.496	0.2559955	0	0	-0.029650038
cov1_2_4_5_6_7_10_11	45.9248	-302.509	0.250944	0	-0.06291431	-0.02539166
cov1_2_4_5_6_8_10_11	45.925	-302.509	0.2509495	0	-0.062362656	-0.025468119
cov1_4_5_6_7_8_9_10	45.9377	-302.515	0.2557337	0	-0.040998197	0
cov1_2_4_5_7_8_10_11	45.9419	-302.517	0.2511829	0	-0.072257883	-0.025247192
cov1_4_5_6_7_8_10_11	46.003	-302.548	0.2508588	0	-0.084147628	0
cov1_2_3_4_5_6_9_11	46.0133	-302.553	0.2550528	0	-0.019335495	-0.02130946
cov1_2_3_4_5_7_9_11	46.0186	-302.556	0.2553956	0	-0.022501443	-0.0214
cov1_2_3_4_5_8_9_11	46.0188	-302.556	0.2553745	0	-0.022754729	-0.021381159
cov2_3_4_5_6_7_9_11	46.0227	-302.558	0.255631	0	0	-0.025733255
cov2_3_4_5_6_8_9_11	46.0236	-302.558	0.2556154	0	0	-0.025843114
cov2_3_4_5_7_8_9_11	46.0423	-302.568	0.2562008	0	0	-0.028413402
cov1_2_5_6_7_8_9_10	46.0526	-302.573	0.2572844	0	0.005078713	-0.046937625
cov1_3_4_5_6_7_9_11	46.0679	-302.58	0.2552582	0	-0.033852272	0
cov1_3_4_5_6_8_9_11	46.0681	-302.581	0.2552363	0	-0.034157057	0
cov1_3_4_5_7_8_9_11	46.0738	-302.583	0.2554111	0	-0.039350695	0
cov1_2_5_6_7_8_10_11	46.085	-302.589	0.2522916	0	-0.037489027	-0.049089124
cov2_4_5_6_7_8_10_11	46.1018	-302.597	0.2517632	0	0	-0.045019234
cov3_4_5_6_7_8_9_11	46.1216	-302.607	0.2562671	0	0	0
cov1_3_5_6_7_8_9_10	46.1425	-302.618	0.2622285	0	0.011515265	0
cov1_2_3_5_6_7_9_11	46.1617	-302.627	0.2564735	0	0.007103103	-0.044425942
cov1_2_3_5_6_8_9_11	46.1628	-302.628	0.2564432	0	0.006582054	-0.044448755
cov2_3_5_6_7_8_9_11	46.163	-302.628	0.2563408	0	0	-0.043438629
cov1_2_3_5_7_8_9_11	46.1713	-302.632	0.2566968	0	0.000286715	-0.044607805
cov1_2_3_4_6_9_10_11	46.1811	-302.637	0.2590985	0	0.088191298	-0.066247325
cov1_2_3_4_5_7_8_11	46.2016	-302.647	0.2572974	0	0.002408431	-0.021280684
cov2_3_4_5_6_7_8_11	46.2019	-302.647	0.2572131	0	0	-0.020201426
cov1_2_3_4_5_6_7_11	46.2022	-302.648	0.2572718	0	0.003650487	-0.021277178
cov1_2_3_4_5_6_8_11	46.2025	-302.648	0.2572465	0	0.003264949	-0.021251662
cov1_3_4_6_7_9_10_11	46.2421	-302.668	0.2623504	0	0.076937389	0
cov1_3_4_7_8_9_10_11	46.2465	-302.67	0.2624856	0	0.071863283	0
cov1_3_6_7_8_9_10_11	46.2495	-302.671	0.2624442	0	0.073178834	0
cov1_3_4_5_6_7_8_11	46.2562	-302.675	0.2572795	0	-0.013127628	0
cov1_3_4_6_8_9_10_11	46.2563	-302.675	0.2623114	0	0.075782833	0
cov1_3_5_6_7_8_10_11	46.266	-302.679	0.257169	0	-0.033426577	0
cov1_2_4_5_6_7_9_11	46.2763	-302.685	0.2523324	0	-0.048430236	-0.024631241
cov1_2_4_5_6_8_9_11	46.2763	-302.685	0.2523372	0	-0.047883049	-0.024705085
cov1_2_4_5_7_8_9_11	46.2835	-302.688	0.2524893	0	-0.054594895	-0.024543601

cov1_2_3_5_6_7_8_11	46.3292	-302.711	0.2582822	0	0.024899927	0	-0.042574766
cov1_4_5_6_7_8_9_11	46.3498	-302.721	0.252232	0	-0.069123549	0	0
cov2_4_5_6_7_8_9_11	46.3805	-302.737	0.2529396	0	0	0	-0.039805483
cov1_2_5_6_7_8_9_11	46.4184	-302.756	0.2535953	0	-0.024518203	0	-0.046988695
cov1_2_4_5_6_7_8_11	46.4588	-302.776	0.2543786	0	-0.027778473	0	-0.024407973
cov2_3_4_5_6_7_8_10	46.4662	-302.78	0.257917	0	0	0	-0.015731729
cov1_2_3_4_5_6_7_10	46.4665	-302.78	0.2579815	0	0.00332597	0	-0.016706221
cov1_2_3_4_5_7_8_10	46.4672	-302.78	0.2580318	0	0.000658608	0	-0.016702765
cov1_2_3_4_5_6_8_10	46.4689	-302.781	0.2579434	0	0.002552298	0	-0.016638608
cov1_3_4_5_6_7_8_10	46.4997	-302.796	0.2579666	0	-0.010206268	0	0
cov2_3_4_6_8_9_10_11	46.5542	-302.824	0.2614192	0	0	0	-0.036631849
cov2_3_4_6_7_9_10_11	46.5546	-302.824	0.2614318	0	0	0	-0.03648412
cov1_3_5_6_7_8_9_11	46.5762	-302.835	0.2582513	0	-0.02017527	0	0
cov1_2_3_4_7_8_9_10	46.6017	-302.847	0.2647747	0	0.13257793	0	-0.052602734
cov1_2_3_4_6_7_9_10	46.603	-302.848	0.264779	0	0.13197493	0	-0.052579356
cov1_2_3_4_6_8_9_10	46.6207	-302.857	0.2647383	0	0.13089229	0	-0.052706789
cov1_2_3_5_6_7_8_10	46.6471	-302.87	0.2593781	0	0.03018708	0	-0.0419164
cov1_2_3_6_7_8_9_10	46.6905	-302.892	0.2648695	0	0.13677418	0	-0.037804547
cov1_2_4_5_6_7_8_10	46.7453	-302.919	0.254954	0	-0.028771053	0	-0.01996474
cov3_4_6_7_8_9_10_11	46.756	-302.924	0.2623583	0	0	0	0
cov2_3_6_7_8_9_10_11	46.7685	-302.931	0.2616432	0	0	0	-0.011513812
cov1_2_3_4_5_7_8_9	46.7925	-302.943	0.2591598	0	0.016523612	0	-0.016185216
cov1_2_3_4_5_6_7_9	46.7934	-302.943	0.2591566	0	0.015981185	0	-0.016201508
cov1_2_3_4_5_6_8_9	46.7956	-302.944	0.2591197	0	0.015229178	0	-0.016134875
cov1_2_3_4_6_7_10_11	46.7994	-302.946	0.259897	0	0.093568145	0	-0.057370266
cov2_3_4_5_6_7_8_9	46.8032	-302.948	0.2588551	0	0	0	-0.011723459
cov1_2_3_4_6_8_10_11	46.8107	-302.952	0.2598562	0	0.092642154	0	-0.057493596
cov1_2_3_4_7_8_10_11	46.8116	-302.952	0.2601084	0	0.085408494	0	-0.05720147
cov1_3_4_5_6_7_8_9	46.8244	-302.959	0.2591323	0	0.002825566	0	0
cov1_2_3_6_7_8_10_11	46.9296	-303.011	0.2600388	0	0.099687788	0	-0.039323582
cov1_2_3_4_5_6_7_8	46.9454	-303.019	0.2608846	0	0.033840799	0	-0.016153539
cov1_2_3_4_6_7_9_11	46.9467	-303.02	0.2605799	0	0.095204164	0	-0.053452355
cov1_2_3_4_7_8_9_11	46.9506	-303.022	0.2607167	0	0.090268466	0	-0.053360527
cov1_2_3_5_6_7_8_9	46.9544	-303.024	0.2604638	0	0.041368168	0	-0.040061799
cov1_2_3_4_6_8_9_11	46.9563	-303.025	0.2605416	0	0.094377233	0	-0.053566174
cov1_2_3_4_6_7_8_11	46.9581	-303.026	0.2608813	0	0.096381952	0	-0.05206624
cov2_3_4_7_8_9_10_11	46.9696	-303.031	0.2600892	0	0	0	-0.024195315
cov1_3_4_6_7_8_9_10	46.9871	-303.04	0.2660022	0	0.11004154	0	0
cov1_2_3_6_7_8_9_11	47.037	-303.065	0.2607045	0	0.10046375	0	-0.038437358
cov1_2_4_5_6_7_8_9	47.0563	-303.075	0.2562017	0	-0.015454502	0	-0.019413011
cov1_2_4_6_8_9_10_11	47.1191	-303.106	0.2570869	0	0.08700201	0	-0.085421825
cov1_2_4_6_7_9_10_11	47.12	-303.106	0.257088	0	0.08681681	0	-0.085410445
cov1_2_4_7_8_9_10_11	47.1268	-303.11	0.2572648	0	0.080611784	0	-0.085285628
cov1_3_4_6_7_8_10_11	47.2553	-303.174	0.2613927	0	0.071642117	0	0
cov1_3_4_6_7_8_9_11	47.3433	-303.218	0.2619511	0	0.074833565	0	0
cov2_3_4_6_7_8_10_11	47.4963	-303.295	0.2605036	0	0	0	-0.03660556
cov1_2_3_4_6_7_8_10	47.5862	-303.34	0.2637669	0	0.12541792	0	-0.051559751

cov2_3_4_6_7_8_9_11	47.6667	-303.38	0.2611951	0	0	0	-0.032452581
cov1_2_3_4_6_7_8_9	47.7027	-303.398	0.2643389	0	0.12642088	0	-0.047880246
cov2_4_6_7_8_9_10_11	47.7245	-303.409	0.2579768	0	0	0	-0.064207055
cov1_2_4_6_7_8_9_10	47.9313	-303.512	0.2608712	0	0.11897639	0	-0.079256053
cov1_2_6_7_8_9_10_11	48.0086	-303.551	0.2561513	0	0.098961438	0	-0.04380406
cov1_2_4_6_7_8_10_11	48.0669	-303.58	0.256358	0	0.081633869	0	-0.083355773
cov1_2_4_6_7_8_9_11	48.0794	-303.586	0.257162	0	0.084077386	0	-0.078561556
cov2_3_4_6_7_8_9_10	48.1299	-303.611	0.2673377	0	0	0	-0.017441494
cov1_4_6_7_8_9_10_11	48.2132	-303.653	0.2585006	0	0.047975949	0	0
cov1_2_3_4_5_6_9_10_11	51.7127	-301.888	0.2545733	0	-0.026927851	0	-0.024032627
cov1_2_3_4_5_7_9_10_11	51.7153	-301.89	0.2551858	0	-0.028023799	0	-0.024331661
cov1_2_3_4_5_8_9_10_11	51.7159	-301.89	0.2551602	0	-0.028337859	0	-0.024304919
cov2_3_4_5_6_7_9_10_11	51.7225	-301.893	0.2554983	0	0	0	-0.029771759
cov2_3_4_5_6_8_9_10_11	51.7243	-301.894	0.2554745	0	0	0	-0.029906356
cov2_3_4_5_7_8_9_10_11	51.7525	-301.908	0.2561906	0	0	0	-0.033044757
cov1_3_4_5_6_7_9_10_11	51.7779	-301.921	0.2550429	0	-0.04045347	0	0
cov1_3_4_5_6_8_9_10_11	51.7785	-301.921	0.2550165	0	-0.040871292	0	0
cov1_3_4_5_7_8_9_10_11	51.7869	-301.925	0.255227	0	-0.047125357	0	0
cov3_4_5_6_7_8_9_10_11	51.8552	-301.96	0.2562721	0	0	0	0
cov2_3_5_6_7_8_9_10_11	51.8767	-301.97	0.2562207	0	0	0	-0.048295066
cov1_2_3_5_6_7_9_10_11	51.8769	-301.97	0.2563077	0	0.004469267	0	-0.04892846
cov1_2_3_5_6_8_9_10_11	51.8787	-301.971	0.2562726	0	0.003828173	0	-0.04895551
cov1_2_3_5_7_8_9_10_11	51.8907	-301.977	0.2565711	0	-0.003600801	0	-0.049149243
cov1_2_4_5_6_7_9_10_11	52.0389	-302.051	0.2517351	0	-0.056434065	0	-0.027897787
cov1_2_4_5_6_8_9_10_11	52.039	-302.051	0.2517406	0	-0.055876864	0	-0.027963454
cov1_2_4_5_7_8_9_10_11	52.0496	-302.057	0.251933	0	-0.06380972	0	-0.027786085
cov1_4_5_6_7_8_9_10_11	52.1333	-302.099	0.2516518	0	-0.079796572	0	0
cov2_4_5_6_7_8_9_10_11	52.1807	-302.122	0.2524669	0	0	0	-0.045485485
cov1_2_5_6_7_8_9_10_11	52.2007	-302.132	0.2530812	0	-0.030902736	0	-0.051683738
cov1_3_5_6_7_8_9_10_11	52.3789	-302.221	0.2583286	0	-0.025386583	0	0
cov1_2_3_4_5_7_8_9_10	52.5762	-302.32	0.2592151	0	0.013205405	0	-0.018798361
cov1_2_3_4_5_6_7_9_10	52.5771	-302.32	0.2591852	0	0.013629654	0	-0.01876018
cov1_2_3_4_5_6_8_9_10	52.5802	-302.322	0.2591425	0	0.01273957	0	-0.018681847
cov2_3_4_5_6_7_8_9_10	52.584	-302.324	0.2589257	0	0	0	-0.014936525
cov1_3_4_5_6_7_8_9_10	52.619	-302.341	0.2591742	0	-0.001624049	0	0
cov1_2_3_4_5_6_7_10_11	52.6726	-302.368	0.2539194	0	-0.030573333	0	-0.022181175
cov1_2_3_4_5_6_8_10_11	52.673	-302.368	0.2538954	0	-0.030966377	0	-0.022124508
cov1_2_3_4_5_7_8_10_11	52.6887	-302.376	0.2541541	0	-0.039595873	0	-0.022026139
cov2_3_4_5_6_7_8_10_11	52.7073	-302.386	0.2546427	0	0	0	-0.029862905
cov1_3_4_5_6_7_8_10_11	52.7316	-302.398	0.2539544	0	-0.04794431	0	0
cov1_2_3_5_6_7_8_9_10	52.7605	-302.412	0.2605696	0	0.040691513	0	-0.044166883
cov1_2_3_4_6_7_9_10_11	52.7937	-302.429	0.2607937	0	0.099671901	0	-0.058648559
cov1_2_3_4_7_8_9_10_11	52.8	-302.432	0.2609598	0	0.093614003	0	-0.058524358
cov1_2_3_4_6_8_9_10_11	52.8058	-302.435	0.2607521	0	0.098710479	0	-0.058775035
cov1_2_3_5_6_7_8_10_11	52.8405	-302.452	0.2552439	0	-0.004965857	0	-0.046483467
cov1_2_3_6_7_8_9_10_11	52.902	-302.483	0.2609456	0	0.10536048	0	-0.042191123
cov1_2_4_5_6_7_8_9_10	52.9064	-302.485	0.2558671	0	-0.021514804	0	-0.022239272

cov1_2_4_5_6_7_8_10_11	52.9533	-302.509	0.2509456	0	-0.062697056	0	-0.02541052
cov1_2_3_4_5_6_7_9_11	53.041	-302.552	0.2552414	0	-0.016702512	0	-0.021485314
cov1_2_3_4_5_6_8_9_11	53.0413	-302.553	0.2552165	0	-0.017077935	0	-0.021465514
cov1_2_3_4_5_7_8_9_11	53.0473	-302.556	0.2554004	0	-0.022469107	0	-0.021413071
cov2_3_4_5_6_7_8_9_11	53.0505	-302.557	0.2556315	0	0	0	-0.025675916
cov1_3_4_5_6_7_8_9_11	53.0962	-302.58	0.2552608	0	-0.033608207	0	0
cov1_2_3_5_6_7_8_9_11	53.1896	-302.627	0.2564761	0	0.007397253	0	-0.044419167
cov1_2_3_4_5_6_7_8_11	53.2303	-302.647	0.2572733	0	0.003946791	0	-0.021301766
cov1_3_4_6_7_8_9_10_11	53.2702	-302.667	0.2623514	0	0.077195594	0	0
cov1_2_4_5_6_7_8_9_11	53.3048	-302.684	0.2523367	0	-0.048171377	0	-0.024652438
cov1_2_3_4_5_6_7_8_10	53.4948	-302.779	0.2579747	0	0.0034735	0	-0.016680693
cov2_3_4_6_7_8_9_10_11	53.5825	-302.823	0.2614303	0	0	0	-0.036533071
cov1_2_3_4_6_7_8_9_10	53.6307	-302.847	0.2647795	0	0.13230624	0	-0.052599278
cov1_2_3_4_5_6_7_8_9	53.8215	-302.943	0.2591596	0	0.016274352	0	-0.016225093
cov1_2_3_4_6_7_8_10_11	53.8273	-302.946	0.2598995	0	0.093877773	0	-0.057377647
cov1_2_3_4_6_7_8_9_11	53.9745	-303.019	0.2605802	0	0.095519901	0	-0.053473197
cov1_2_4_6_7_8_9_10_11	54.1481	-303.106	0.2570871	0	0.087085835	0	-0.085431805
cov1_2_3_4_5_6_7_9_10_11	58.7345	-301.885	0.2549975	0	-0.020994738	0	-0.024444225
cov1_2_3_4_5_6_8_9_10_11	58.7353	-301.885	0.2549676	0	-0.021506411	0	-0.024408835
cov1_2_3_4_5_7_8_9_10_11	58.7441	-301.889	0.2551894	0	-0.027986171	0	-0.024343972
cov2_3_4_5_6_7_8_9_10_11	58.7502	-301.893	0.2554932	0	0	0	-0.029710037
cov1_3_4_5_6_7_8_9_10_11	58.8063	-301.921	0.2550464	0	-0.040211847	0	0
cov1_2_3_5_6_7_8_9_10_11	58.9048	-301.97	0.2563093	0	0.00478012	0	-0.048927528
cov1_2_4_5_6_7_8_9_10_11	59.0674	-302.051	0.2517374	0	-0.056199229	0	-0.027908862
cov1_2_3_4_5_6_7_8_9_10	59.6052	-302.32	0.2591881	0	0.013922089	0	-0.018783518
cov1_2_3_4_5_6_7_8_10_11	59.7009	-302.368	0.253919	0	-0.03025026	0	-0.022237091
cov1_2_3_4_6_7_8_9_10_11	59.8215	-302.428	0.2607925	0	0.099993052	0	-0.058667726
cov1_2_3_4_5_6_7_8_9_11	60.0692	-302.552	0.2552439	0	-0.016425647	0	-0.021510067
cov1_2_3_4_5_6_7_8_9_10_11	65.7628	-301.884	0.255	0	-0.020717117	0	-0.024466217

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[illegible]



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0	0	0	0	0	0.1097733	0	0	0
0	0	0	0	0	0.10976646	0	0	-0.014616403
0	0	0	0	0	0.1184366	0	0	0
0	-0.055021308	0	0	0	0.072452158	0	0	0.01926364
0	-0.054721869	0	0	0	0.072467815	0	0	0
0	-0.046757281	0	0	0	0.073561716	0	0	0
0	-0.041737352	0	0	0	0.085416195	0	0	0
0	-0.0263226	0	0	0	0.13112014	0	0	0
0	-0.042940809	0	0	0	0.080552637	0	-0.011503448	0
0	0	0	-0.01626138	0	0.12370856	0	0	0
0	0	0	0	0	0.11425992	0	-0.003043451	0
0	0	0	0	0	0.11346785	0	0	0
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0	0	0	0	0	0.13855839	0	0	-0.015217836
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0	-0.024081495	0	0	0	0.12754835	0	0	0
0	0	0	-0.042069687	0	0.12594312	0	0	0
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0	-0.031802567	0	0	0	0.11154269	0	-0.012906067	0

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0	-0.070234024	0	0	0	0	0	0.047452432	0	0
0	-0.072120784	0	0	0	0	0	0.036232343	0	0

[illegible]

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