

Probe_Set_ID	pvalues	foldchange	C037dup_NS	C065_NS	C039_NS	C172_NS
ILMN_1656233	0.02067925	0.76199224	13.7036841	13.0411745	13.0510934	13.5524037
ILMN_1657996	0.01228782	0.67051593	7.43785692	7.34683814	7.47090611	8.30702271
ILMN_1660357	0.00584948	0.77720835	7.26775395	7.09902899	7.31435484	7.22266258
ILMN_1661461	0.03976483	0.68392708	7.44159054	7.10474446	7.43366639	7.28064644
ILMN_1676480	0.02162666	0.61039278	7.23192387	6.45502385	6.97131247	6.91709515
ILMN_1683250	0.04801097	0.68730819	8.62550977	7.49188195	7.26785318	7.97275353
ILMN_1693740	0.03252467	0.71305284	7.61514553	6.63606817	6.60157886	7.44597825
ILMN_1723320	0.0428202	0.85177271	6.51793562	6.25826432	6.40240533	6.03845396
ILMN_1729421	0.01202769	0.63930722	7.68633874	6.64663359	6.93139822	7.44336961
ILMN_1745931	0.01211735	0.84047449	6.5670921	6.50545018	6.58701538	6.45780636
ILMN_1775444	0.0106002	0.68187302	7.64737568	7.27598292	7.24616293	7.51524962
ILMN_1790412	0.02851932	0.71899209	8.96304171	7.61597312	8.27021122	8.04716809
ILMN_1805064	0.04246256	0.74537749	7.18331679	7.83866945	7.68779627	7.30602066
ILMN_1824139	0.00428839	0.67076339	7.71141713	7.38400058	7.38833594	7.46585124
ILMN_1859584	0.02593932	0.69738358	7.18638368	7.49227302	6.72933116	7.47230174
ILMN_1871457	0.02965886	0.79713812	7.8366898	7.11647289	7.28801243	7.13889432
ILMN_1872261	0.00999095	0.6856316	7.31914913	6.84113281	7.70162599	7.58450332
ILMN_1880280	0.03697789	0.72634022	7.05665397	7.74490042	8.05174187	7.90382884
ILMN_1882711	0.04294172	0.84968705	6.32027472	5.91176348	5.92304694	5.58340896
ILMN_1883279	0.01724662	0.75453837	7.4066251	6.44986936	6.49701192	6.47549237
ILMN_1893633	0.02324721	0.68083968	10.3882778	7.56405801	7.54147612	7.36834494
ILMN_1906626	0.02112377	0.74175133	6.14869601	5.88647113	6.20757742	6.08286201
ILMN_1907042	0.03927828	0.68218712	8.89345899	7.58878358	7.9369759	8.08806419
ILMN_1343293	0.00750878	0.66242	12.3508113	11.5458622	12.0386094	12.7061349
ILMN_1651228	0.03776029	0.66225561	14.1056467	11.2697964	11.75231	10.7298213
ILMN_1651498	0.02549122	0.78438022	6.59430714	6.18458836	6.04371546	6.15202153
ILMN_1651850	0.03282375	0.7767501	14.7832254	13.3997719	13.8235971	13.556233
ILMN_1651964	0.04852667	0.71739939	9.0101826	7.70146103	8.06361134	8.18855473
ILMN_1652003	0.04791611	0.62799015	8.40382712	6.79568904	7.39130976	7.56933387
ILMN_1652128	0.02817528	0.61236662	10.837944	9.04808848	9.91694189	9.29708019
ILMN_1652230	0.04509359	0.76359332	15.0209387	13.5785142	14.2323025	13.4932225
ILMN_1652631	0.02670336	0.77529925	13.1149118	12.331675	12.5771855	12.9421941
ILMN_1652736	0.02924844	0.78563991	6.67141086	6.1041173	6.24870864	6.19892509
ILMN_1653412	0.01434316	0.68862792	8.36079881	8.36456193	7.96140107	8.68841958
ILMN_1653567	0.02585267	0.82025215	5.91685709	5.79004451	5.64227991	5.38906736
ILMN_1653871	0.03086367	0.63611829	12.104775	11.0471907	12.4754039	13.1240622
ILMN_1654320	0.02303977	0.64999991	9.99473669	9.22478361	8.96419269	9.46728356
ILMN_1654516	0.03216181	0.70498793	9.86409528	8.44437263	9.1849388	9.21667069
ILMN_1656057	0.0347521	0.79740085	6.72905783	6.08320379	6.4875579	6.08351592
ILMN_1656393	0.04451557	0.77687322	7.29273943	7.25941562	6.88684397	7.15061959
ILMN_1656676	0.02964941	0.62291349	10.210664	8.61307411	9.4863765	9.51077801
ILMN_1656961	0.00776051	0.69043306	8.85311084	8.21329916	8.40966333	8.24648742
ILMN_1657317	0.00602072	0.73106502	7.37486995	6.7106136	6.9742597	6.71784775
ILMN_1657398	0.00077359	0.60388716	7.24446945	7.61500939	7.6547291	7.74330895
ILMN_1657497	0.01952165	0.78023424	6.6960286	6.32854497	6.58704194	6.38050782
ILMN_1657515	0.01974223	0.59706498	9.53176723	8.90733686	9.4100557	8.81252454
ILMN_1658798	0.00670908	0.69646692	7.00671206	7.02054332	7.67780631	7.38454461

ILMN_1658921	0.03618521	0.7269563	7.5559327	7.27876073	7.63971549	7.48024008
ILMN_1658957	0.04264963	0.72975832	7.48149512	6.83563864	7.66009076	6.17522358
ILMN_1659047	0.02466382	0.73791088	9.61691912	9.86937237	10.0319507	10.6300423
ILMN_1659437	0.04117212	0.71987015	11.6992289	10.6251755	10.634527	10.9777464
ILMN_1659490	0.04721526	0.72227408	7.47577558	7.54706032	7.49987139	7.39536704
ILMN_1659878	0.03389557	0.79246669	6.76722574	6.38453684	6.92886772	6.7015948
ILMN_1660498	0.03931401	0.76945244	15.1541995	14.0454235	14.5304789	14.108629
ILMN_1660549	0.04279546	0.63991796	8.02541478	6.78804878	7.22575018	7.19876031
ILMN_1660942	0.0465267	0.82710653	6.44044913	6.48011273	6.54106919	5.98766535
ILMN_1661196	0.02226929	0.68657612	9.06924594	7.90449253	9.15974043	9.21391443
ILMN_1661466	0.03229566	0.80559606	6.47850221	6.03020805	6.25508769	6.02769859
ILMN_1661636	0.04686079	0.69838424	8.83556064	7.48790112	7.91218578	7.89300538
ILMN_1662617	0.02640941	0.65874607	10.3694872	9.08038639	9.56154629	10.0893181
ILMN_1662846	0.02745936	0.64437652	7.9109215	7.08725491	7.83651245	8.52299378
ILMN_1662865	0.03529648	0.6034407	8.1428295	6.87772585	7.59898148	7.82817648
ILMN_1663422	0.0180202	0.70012101	9.55626348	8.9931572	9.48736113	10.1940957
ILMN_1663437	0.02170087	0.71354447	7.41761373	6.60580039	7.02776227	7.19153304
ILMN_1664047	0.02361668	0.74655969	6.60804379	6.67496056	6.36725468	6.38335835
ILMN_1664577	0.037362	0.67480187	8.4658847	7.13993704	7.57521021	7.31875519
ILMN_1664698	0.04028014	0.76298462	9.53053938	8.78447225	8.96663782	9.66757693
ILMN_1664706	0.01919351	0.7133548	7.60836646	6.66423251	6.9766088	7.00836923
ILMN_1664750	0.02655861	0.74802412	12.4272311	11.533793	11.80144	11.868103
ILMN_1664802	0.04079438	0.67119674	9.82810442	7.80492025	8.21374436	8.60514242
ILMN_1665384	0.04194668	0.75782178	8.79350772	8.13139245	8.21582661	8.42048872
ILMN_1665557	0.03538694	0.63500425	9.52823823	8.23921949	8.7851778	9.45492354
ILMN_1665781	0.03568531	0.80682594	8.98231056	8.54793637	9.09906082	8.67311894
ILMN_1665982	0.04896871	0.68812735	8.96534766	6.85300133	7.53244243	7.32287095
ILMN_1666376	0.03540638	0.68503491	9.77168638	8.25459404	8.14652896	8.28733515
ILMN_1666480	0.027722	0.70586064	10.2218638	8.65748603	9.2187739	9.11513705
ILMN_1667162	0.04594816	0.67131193	7.03456459	6.46622789	6.68274042	6.69403327
ILMN_1667319	0.02547702	0.6475955	8.8749454	7.62472309	8.21737469	8.35337887
ILMN_1667460	0.02678717	0.61610888	9.4654607	7.35594039	8.30781738	8.31908499
ILMN_1667561	0.0219473	0.60215467	9.8788559	8.63012367	9.45172441	9.79712925
ILMN_1667970	0.02028456	0.83352828	7.18997969	6.60507158	6.96744992	6.56620934
ILMN_1667985	0.00745955	0.61890288	9.07832723	8.44782133	8.83600269	8.73765702
ILMN_1668379	0.03742933	0.83385299	6.51412037	6.16203859	6.16410402	5.78168442
ILMN_1669177	0.00761851	0.7061977	7.74948131	7.15156763	7.32843169	6.95784613
ILMN_1669608	0.02841213	0.7278004	8.16330148	7.51359733	8.03551779	7.59103233
ILMN_1669790	0.03302285	0.65122668	14.1203238	12.6130108	13.2279161	12.9432307
ILMN_1670130	0.04589559	0.69867587	10.7084632	9.17976307	9.91975213	10.3619953
ILMN_1670821	0.03840955	0.59309786	6.21393474	5.98161546	6.1392243	5.61110833
ILMN_1671516	0.02129075	0.61296651	9.80903172	8.39377269	8.09806525	8.73488707
ILMN_1671933	0.04752139	0.77511537	7.35592013	6.63650152	7.18428426	7.16527183
ILMN_1672004	0.03164279	0.70753517	9.18318253	8.55053594	9.71048756	9.34397404
ILMN_1672661	0.02848531	0.65065818	8.99319882	8.40974987	8.01056279	8.50864098
ILMN_1672988	0.02024643	0.64795249	7.2746344	6.36948585	6.83161507	7.18308251
ILMN_1673113	0.04356854	0.61302364	9.3328292	7.5454997	8.10165795	8.85850668
ILMN_1674590	0.04267189	0.72809209	6.67035033	6.16165574	6.42486953	6.81141708

ILMN_1674650	0.04467613	0.76477245	9.42299507	7.56194622	7.44027536	7.34041717
ILMN_1675117	0.03899492	0.62746484	9.49966275	7.90644089	8.82165984	9.22093402
ILMN_1675258	0.03561111	0.66140331	8.00817648	7.18796762	8.41678022	7.24395273
ILMN_1675424	0.03630798	0.66895473	9.14615776	8.50191439	9.14611499	9.06661396
ILMN_1675939	0.03846476	0.70361537	12.5907412	11.3882687	12.2310567	12.767015
ILMN_1676016	0.0291055	0.80943544	6.53161555	6.89967715	6.66906646	5.85337069
ILMN_1676665	0.03123601	0.7577298	7.79741187	8.58538135	9.00285889	8.57076119
ILMN_1676737	0.04696222	0.7752066	6.54357244	6.46922128	6.584805	6.40941521
ILMN_1676767	0.03943497	0.5385914	8.81501593	7.96751967	8.64946888	9.85626833
ILMN_1677262	0.04607949	0.59397151	13.0813721	11.143461	10.5218105	11.3686729
ILMN_1677511	0.04606087	0.6409039	8.75300342	7.18606272	7.91506132	8.58777602
ILMN_1677843	0.03395397	0.71547996	11.5580299	10.7458163	10.5124778	10.7892687
ILMN_1678170	0.00792294	0.59601979	11.107374	10.1451692	11.3156908	11.6339143
ILMN_1678690	0.00149587	0.66288364	6.81206433	6.6216963	6.69241743	6.4700305
ILMN_1678707	0.03991451	0.69297866	7.94437825	7.00703288	7.74309685	6.69047297
ILMN_1678757	0.0270338	0.65826664	9.53813887	9.67539272	9.25927696	9.70147351
ILMN_1678799	0.03407905	0.75742717	6.24211238	6.00109085	6.62423486	6.14296925
ILMN_1678939	0.04313604	0.70311962	13.6567891	12.8136283	13.1236217	13.6593471
ILMN_1679666	0.01862454	0.79574732	6.26521277	6.14769724	6.15639844	5.71676131
ILMN_1679920	0.02931304	0.64358563	12.5785319	12.1815912	10.1079794	9.67077679
ILMN_1680279	0.03350039	0.62837153	11.1475745	10.3148664	10.7502799	10.8158964
ILMN_1680314	0.00864226	0.64756847	11.5294159	10.8388636	11.4845823	12.1286562
ILMN_1681130	0.03091266	0.76590747	8.06707129	6.84268473	7.22700842	6.97950522
ILMN_1681683	0.01489961	0.57023733	8.86477858	6.93739501	7.15100943	7.92991347
ILMN_1681888	0.03851427	0.76608665	6.8810442	6.84150019	7.26723333	6.59561465
ILMN_1682165	0.03172151	0.65292393	11.5317952	10.0068212	10.2825545	10.9064585
ILMN_1682443	0.03615179	0.6495768	12.0345985	10.6096986	10.6898207	11.2135107
ILMN_1682699	0.01361885	0.64028818	8.96425797	7.10367807	7.54076272	8.11589731
ILMN_1682757	0.02993952	0.55798965	7.72561575	7.17229949	7.40774872	8.8658916
ILMN_1683494	0.02904661	0.66051778	10.8387013	10.6752849	11.2707719	11.3963827
ILMN_1683959	0.01705165	0.76547399	7.0288277	6.44984279	6.76743896	6.48298087
ILMN_1684054	0.04932318	0.80571873	7.48399308	7.1718213	8.09495966	7.92856812
ILMN_1684585	0.02691987	0.56307844	11.6869141	10.665645	10.6923897	12.2690942
ILMN_1685312	0.02211059	0.64373813	7.99478109	7.02790379	7.54299933	7.3956181
ILMN_1685493	0.04494352	0.65174709	7.61396328	6.95989416	7.87800676	7.78979314
ILMN_1685628	0.01240387	0.65756989	12.7642351	11.972711	11.8486926	12.3651282
ILMN_1686116	0.03519944	0.58272003	8.38021688	7.77662319	9.02748833	8.53320045
ILMN_1686464	0.04760029	0.69823557	8.02752012	7.23859868	7.76616115	8.34873966
ILMN_1686750	0.0433905	0.72327785	12.4417122	11.2331241	11.7441863	11.9574496
ILMN_1686862	0.02000637	0.73257137	7.64631605	7.26415826	7.04105348	7.26510023
ILMN_1686981	0.02359098	0.59853707	8.05828619	6.24122851	7.04651071	7.01958962
ILMN_1687057	0.049469	0.70480187	8.28477136	6.76967522	7.00687696	7.04246815
ILMN_1687384	0.02690716	0.68006639	11.2582492	8.90552811	10.1533443	10.2830004
ILMN_1687805	0.02092321	0.73151486	14.7458376	13.8233016	13.6738313	13.6149468
ILMN_1688490	0.01551608	0.67404311	8.33775346	8.40535338	8.18426591	8.45136156
ILMN_1688580	0.03985474	0.68048617	11.0949499	9.20124863	11.1220605	10.6720867
ILMN_1688666	0.03725174	0.74410908	7.25755568	6.94669811	6.57239555	6.85940806
ILMN_1689004	0.00188777	0.74093787	6.9097803	6.17444677	6.49805137	6.74734309

ILMN_1689955	0.04109953	0.82527325	7.02382309	6.59511259	6.59133788	6.35107085
ILMN_1690114	0.02584932	0.66870912	9.77636032	9.03347201	8.86500695	9.11015023
ILMN_1691364	0.04228554	0.70764278	12.4410254	12.5133881	10.8801521	11.0762872
ILMN_1691428	0.01810185	0.72831086	13.9460811	13.5855518	13.5894077	13.8858422
ILMN_1691508	0.03608453	0.73901795	8.55917095	8.92282342	9.1850952	9.12166923
ILMN_1691574	0.03275834	0.60818227	8.67455916	6.6846238	7.0105986	7.82965615
ILMN_1691881	0.02573877	0.8133981	6.15282429	6.75532959	6.80457248	6.52060438
ILMN_1692145	0.04103045	0.62621689	12.1852781	11.4104487	11.8847524	11.840444
ILMN_1693394	0.03766476	0.76046797	10.4487905	9.70959685	10.0051122	10.0533585
ILMN_1693494	0.04680144	0.79860694	7.26344856	6.75371952	6.63814018	6.46762609
ILMN_1693789	0.02384987	0.61698714	11.7712732	10.8879098	11.0538261	11.0916939
ILMN_1694075	0.01160109	0.72305822	8.34758328	7.75085904	7.82534871	8.92650979
ILMN_1694399	0.0230504	0.70607854	9.44927041	8.85414748	8.82315799	9.0826052
ILMN_1694584	0.03041394	0.78982682	6.4479309	5.88388836	6.28900538	6.08748427
ILMN_1694742	0.04359298	0.79662118	15.0813332	14.0430247	14.5658036	13.9275835
ILMN_1695435	0.01054341	0.69671593	7.08459795	6.69807537	6.9881325	7.72902315
ILMN_1695468	0.04652008	0.77244158	6.6781029	6.6877312	7.30754237	7.40977193
ILMN_1695853	0.03060682	0.65524188	8.06743544	6.83843499	7.07149454	7.12160708
ILMN_1696027	0.04350034	0.67986662	9.66067713	9.13720302	9.30851242	9.47469764
ILMN_1696162	0.04043779	0.84911952	6.14416305	6.04886239	6.44034979	6.16887666
ILMN_1696187	0.03766499	0.62357425	11.9791647	10.0492646	11.196816	12.2423039
ILMN_1696466	0.02183896	0.72959243	8.77798971	8.13963832	8.74248898	9.47740514
ILMN_1696704	0.02722924	0.72265839	7.94818674	7.38870789	7.84383251	7.78866679
ILMN_1697304	0.04993868	0.76825905	7.12891921	6.75346682	6.92669094	6.71483622
ILMN_1697377	0.04463471	0.69850338	6.68453544	6.14996656	6.27927256	6.31012196
ILMN_1698213	0.0193828	0.80446305	7.81481828	6.95995094	7.70470877	6.83527987
ILMN_1699015	0.0240332	0.76984958	14.7089109	14.0060543	14.5236624	14.3798136
ILMN_1699331	0.02644333	0.60266054	6.83494881	6.57904812	6.24671799	5.79081686
ILMN_1699383	0.03358542	0.81936599	7.19239047	6.67053304	6.77972855	7.03828253
ILMN_1699687	0.02189761	0.75701865	6.45707515	6.13667148	6.1831931	5.9308868
ILMN_1700182	0.03012897	0.71409936	13.1976412	11.9265755	12.1409675	12.7420622
ILMN_1700610	0.02743074	0.69400317	8.39584256	7.86277372	7.92270332	8.71672448
ILMN_1700896	0.01363125	0.50642127	8.42860011	7.17834217	8.17501354	8.00350442
ILMN_1701242	0.0253789	0.74418201	6.4530001	6.15891481	6.18696499	5.81842624
ILMN_1701747	0.04934732	0.83021473	6.69189424	6.20652504	6.26426543	6.07102337
ILMN_1701957	0.02126631	0.58892087	11.675393	10.9970778	11.4726015	11.6803037
ILMN_1702168	0.03741472	0.73249678	9.17733532	7.98855745	8.07178787	8.3837436
ILMN_1703720	0.00762214	0.68139965	10.674157	9.15202924	9.70243695	9.80523392
ILMN_1704385	0.01810021	0.51213732	11.2140027	8.97206478	9.77500641	10.396258
ILMN_1704476	0.04609397	0.81323076	6.64697337	6.27236515	6.34911754	5.92940116
ILMN_1705477	0.02914213	0.77925703	6.51225565	6.4156642	6.70260214	6.41179603
ILMN_1705605	0.02532555	0.62850884	8.39276562	7.3199656	8.35252903	6.89336828
ILMN_1706502	0.01556267	0.58390627	9.9963379	10.8837583	9.55903344	10.035272
ILMN_1708485	0.01864396	0.70205561	7.72367187	7.07135617	7.33528762	6.65473053
ILMN_1708841	0.04742674	0.67021081	10.1869388	8.47797597	9.24214492	9.33322514
ILMN_1708936	0.03337196	0.70874144	9.77830124	8.09165541	8.41219552	8.44806756
ILMN_1709164	0.02941149	0.75703754	7.68162636	7.94043106	7.71373293	7.40607657
ILMN_1709707	0.04238071	0.85383488	6.23196994	5.95561364	6.17467866	5.79357106

ILMN_1710362	0.04157112	0.76920064	7.79037326	6.98816431	7.17351525	6.85153293
ILMN_1710974	0.03533472	0.63323745	12.943121	10.8873318	11.9649004	12.8217624
ILMN_1711073	0.01405347	0.6411207	10.9501265	10.1850414	9.93271806	10.448742
ILMN_1711156	0.03433604	0.76010835	14.5006907	13.921099	13.9466596	13.9328339
ILMN_1711617	0.01600477	0.66135292	13.008043	11.4844045	11.8463919	12.668585
ILMN_1711729	0.03453758	0.60814527	12.2679457	10.4152749	10.4558686	10.2735963
ILMN_1712389	0.01597405	0.69113487	12.9883481	11.8465439	12.3997706	12.4690539
ILMN_1712596	0.03288592	0.72797317	7.31390881	7.06657252	7.11042484	6.97708297
ILMN_1712688	0.02426725	0.79722532	7.56396805	6.7717628	6.91859256	7.17882218
ILMN_1712918	0.03314652	0.62320921	8.23012374	7.97656011	8.91504488	9.65829201
ILMN_1713319	0.0194869	0.65622699	9.4046624	8.72892149	8.69518096	8.98705221
ILMN_1713636	0.01729628	0.6907968	12.8429727	12.9072978	12.840846	13.1198204
ILMN_1713706	0.01842635	0.67755647	9.40308789	9.33017339	9.3746033	9.91578051
ILMN_1714065	0.01035268	0.73820948	6.76346071	5.94913545	6.4788746	6.00271895
ILMN_1714418	0.00910934	0.60836911	7.3269166	7.74961136	8.93145939	7.89667389
ILMN_1714848	0.00569427	0.62554357	7.37641021	6.57746931	6.712908	6.95465697
ILMN_1714991	0.0422315	0.71365708	13.33423	12.367012	12.9937824	13.7108968
ILMN_1715693	0.03416076	0.83468095	6.23954545	6.29292141	6.03669893	5.62217748
ILMN_1715809	0.03716245	0.75966037	8.22476287	7.54548811	7.97384486	8.00551676
ILMN_1716465	0.01729694	0.64472115	9.6502991	8.23297823	9.04851875	8.61037747
ILMN_1717371	0.04602444	0.82876408	6.69975705	6.40713824	7.10840632	6.31085304
ILMN_1718303	0.03887466	0.49428875	6.6763591	6.34442428	6.32386686	6.50420246
ILMN_1719951	0.04653004	0.60741284	9.04208779	7.40041411	7.93357087	7.96686244
ILMN_1719988	0.03731506	0.72172595	7.26644925	6.73449151	6.94726288	7.66706114
ILMN_1720604	0.03548573	0.75934736	7.7214212	6.89778617	7.32006853	6.92360084
ILMN_1721116	0.03411519	0.68364283	10.0016404	9.77312157	10.4331285	11.5624175
ILMN_1721204	0.00791158	0.64737784	10.1758938	9.65516271	10.3062736	10.1711956
ILMN_1721349	0.03914856	0.5993326	10.9021769	10.048367	10.2729073	10.318745
ILMN_1721648	0.04615408	0.70733795	9.34233629	7.71428262	8.45275397	8.63114103
ILMN_1721729	0.0320432	0.62937111	8.94360579	8.02801268	8.13329328	8.22948218
ILMN_1722076	0.04703175	0.67202513	12.0845759	11.1363619	11.3079248	11.9621922
ILMN_1722223	0.04278418	0.78316468	6.79129706	6.22355094	6.23781856	6.01812605
ILMN_1723079	0.02970603	0.72043097	9.42156058	8.60740689	9.20456136	9.96539615
ILMN_1723486	0.00912968	0.64900163	8.63381116	7.86020675	8.58298044	8.92498615
ILMN_1723909	0.02017026	0.67179385	7.31473277	6.86509729	7.05863146	7.30631602
ILMN_1724315	0.02762385	0.80674242	6.97842218	6.42657306	6.66762961	6.53338191
ILMN_1724407	0.03429979	0.70724607	10.2648308	8.56658458	8.99849679	8.9574811
ILMN_1724533	0.01351725	0.59918915	11.5842297	10.7403281	10.4145732	11.1693463
ILMN_1725427	0.03136878	0.77197894	14.9948409	14.138759	14.1347817	14.6419095
ILMN_1726289	0.01747537	0.59825303	10.777626	9.96441842	10.6607046	11.2136644
ILMN_1726636	0.01297901	0.76907172	6.81861669	6.52236088	6.66187926	6.56383065
ILMN_1726786	0.01713798	0.70672295	9.57843949	9.34323747	9.44228418	9.84673556
ILMN_1727603	0.04412871	0.81207953	7.46742867	7.20633651	7.56505637	7.01267146
ILMN_1728639	0.03972765	0.73634149	13.9531825	13.1609396	13.4442009	14.2925661
ILMN_1728677	0.01055091	0.6364999	8.18943369	8.67686575	9.50302607	9.73853801
ILMN_1728724	0.01527998	0.6232623	9.58361592	9.64983907	9.91338806	9.68721487
ILMN_1728844	0.04727955	0.77639162	7.0063272	6.46018507	6.48630731	6.78151971
ILMN_1729294	0.04638838	0.70887944	10.9886705	9.49222254	10.2418962	10.235252

ILMN_1729659	0.01151918	0.70426537	6.95742364	6.24194522	7.02798338	7.02049887
ILMN_1729801	0.02480952	0.80433254	15.0076686	14.63653	14.6822611	14.4996871
ILMN_1730454	0.02587184	0.57417077	10.6717224	9.67630585	9.50798012	11.5757841
ILMN_1730678	0.02061662	0.7051953	11.9694675	11.1794364	11.1308324	11.3685834
ILMN_1730928	0.0048553	0.63050483	8.64566204	8.17274002	9.2939183	9.56826549
ILMN_1731048	0.02388277	0.50621945	10.0515543	7.73021673	8.27441869	8.97588665
ILMN_1731203	0.03803663	0.75827104	7.60273523	7.45376942	7.1340864	7.43155026
ILMN_1731546	0.04360587	0.69795296	12.5705687	11.9784774	12.2777494	10.9767381
ILMN_1731785	0.0458795	0.67462806	6.49153856	5.98718555	6.4046002	6.46669367
ILMN_1732311	0.03794346	0.77945233	6.72030036	7.15487379	6.81274849	6.72603828
ILMN_1733983	0.03516943	0.77609426	6.5135307	6.32947974	6.67017751	5.84673425
ILMN_1734991	0.02888959	0.74080227	6.81523726	7.35116275	7.88445567	6.88736198
ILMN_1735014	0.04129974	0.72928513	12.9149378	12.5280712	12.4517131	12.6030122
ILMN_1735506	0.02313855	0.66811802	9.02996714	9.28016875	8.86833304	8.15707454
ILMN_1735955	0.02614024	0.67721495	9.30644476	7.76441052	7.9938668	7.97083813
ILMN_1736008	0.04987902	0.63545161	10.7293735	9.51853868	9.7997066	10.1669652
ILMN_1736190	0.04827008	0.62863899	11.4841749	9.77053357	10.8636001	11.1764312
ILMN_1736982	0.01215593	0.69087927	6.42304093	7.07989114	7.24433624	6.65986464
ILMN_1737426	0.04791158	0.64576947	10.5681652	8.82056225	9.41667658	9.91593957
ILMN_1737878	0.04495929	0.81087537	6.74534491	6.58660098	6.58718209	6.49259413
ILMN_1738243	0.03038466	0.7416694	14.8957499	13.8117399	14.4019301	13.8207185
ILMN_1738482	0.03217564	0.71381727	8.91391203	8.34023779	8.11964875	8.61209332
ILMN_1738643	0.04149091	0.75593989	6.80506411	6.07832504	6.29717564	5.94869452
ILMN_1738821	0.04391898	0.8091662	7.77800812	6.95790648	7.3819478	6.98258409
ILMN_1739263	0.03678171	0.68662298	14.5238553	11.9281242	12.8762403	12.2481325
ILMN_1739283	0.04562368	0.73384391	9.02205066	9.26282611	9.33432782	9.00768663
ILMN_1739423	0.01894898	0.75456789	6.83405256	6.33794082	6.32998985	6.1475375
ILMN_1739587	0.008502	0.64481903	6.31246896	6.09842482	6.10652923	5.77442153
ILMN_1739622	0.03797193	0.61741953	9.24863445	7.40932389	8.22104764	8.46171517
ILMN_1739876	0.04014082	0.72778106	9.75641838	9.07589706	8.54862928	8.54217214
ILMN_1740165	0.02940505	0.71813807	8.84310701	9.15167848	8.9225737	8.90827102
ILMN_1741073	0.0350871	0.80687698	6.40386469	6.17685431	6.68323747	6.59278635
ILMN_1741917	0.0169043	0.684229	9.06561324	8.44459212	9.0453941	9.25286787
ILMN_1743034	0.01881818	0.69390438	7.27053081	6.96984005	7.05088692	7.71537244
ILMN_1743281	0.04631418	0.67846131	8.95011055	7.42542657	7.82634319	8.26883718
ILMN_1743476	0.01661299	0.73435808	7.30736021	6.8927128	6.93506955	7.13057674
ILMN_1746020	0.04993035	0.70883883	6.55361639	6.22185273	6.50586077	6.69179236
ILMN_1746276	0.01501639	0.65630005	6.86862627	6.60747147	7.03580643	6.60559804
ILMN_1746577	0.01566441	0.68593279	10.4187961	9.41689103	9.40040387	10.1043118
ILMN_1746864	0.04432744	0.6138112	11.4387295	9.77456685	10.3434145	10.7783794
ILMN_1746919	0.04003091	0.74508699	6.9707812	6.33112296	6.35555178	6.58105442
ILMN_1747047	0.04730674	0.80481102	6.74913063	6.44879542	6.65745994	6.07110341
ILMN_1747205	0.04360287	0.76509833	7.57503166	6.78453408	7.22149819	7.62429248
ILMN_1748090	0.03450901	0.6557916	6.86961852	6.32885459	6.61155927	6.79204322
ILMN_1748366	0.04668742	0.81750259	6.21450156	5.98624322	5.960527	6.10563639
ILMN_1748767	0.02574605	0.64144703	13.006595	11.2294059	11.6937413	12.7783731
ILMN_1748915	0.02617672	0.44861085	10.229636	8.17540983	9.48881784	10.3402351
ILMN_1749006	0.04308302	0.70484262	9.94282969	8.55647578	9.32009268	9.1181427

ILMN_1749673	0.03098645	0.74057841	8.80394317	8.01529908	9.19996527	8.83149854
ILMN_1750093	0.0168406	0.73019352	11.6221754	11.3162549	11.0506126	11.2037383
ILMN_1750880	0.02748177	0.72560601	7.15769557	6.30049168	6.5476565	6.81551907
ILMN_1750961	0.04949418	0.72044766	8.91982422	7.94429332	9.08190706	9.50828325
ILMN_1751051	0.03975061	0.70579569	8.2967061	7.39952831	7.50965705	7.84244086
ILMN_1751351	0.0484634	0.69265059	6.63487943	6.20903395	6.16232808	5.93183337
ILMN_1751749	0.01836375	0.72815944	7.49206307	6.83477188	7.55572108	6.84845769
ILMN_1753712	0.02948522	0.74102814	10.6286943	9.41774621	10.0152018	9.76632715
ILMN_1753819	0.03810533	0.66379162	9.49695302	8.09531209	9.20304401	9.31801105
ILMN_1754395	0.04776421	0.7677589	7.63522692	6.64545381	7.1334505	6.49317112
ILMN_1754859	0.02630922	0.76672095	7.48236429	6.9799533	6.8394797	7.33306051
ILMN_1755049	0.02884803	0.76637773	6.58276222	6.06265861	6.34809783	5.83403865
ILMN_1755077	0.03531818	0.64369729	11.2539332	9.68949434	10.0911802	10.5068758
ILMN_1755114	0.01355935	0.68312006	8.60732218	7.9335809	7.82491802	8.15421914
ILMN_1755115	0.03674114	0.64243278	12.1857817	7.91256005	9.73690434	9.02826248
ILMN_1756506	0.04857105	0.7225517	6.24985166	6.014089	6.02256667	5.56074919
ILMN_1756998	0.04439977	0.69757131	6.31149676	6.29930255	6.70550107	6.44828516
ILMN_1758418	0.02016829	0.63914595	11.6766192	11.3393573	10.45165	11.2998233
ILMN_1758658	0.01579283	0.69136037	9.66447253	8.20156868	8.62305879	9.09252539
ILMN_1759208	0.02449679	0.66571621	12.4151206	11.5770573	11.450586	12.5226132
ILMN_1759250	0.04647064	1.15609374	6.80355641	6.72584066	7.02740622	6.0807943
ILMN_1759613	0.03611932	0.81729371	6.37595794	6.05350911	6.0540338	5.72891448
ILMN_1759872	0.04013308	0.75798727	14.753037	13.8070147	14.0099231	14.2815613
ILMN_1760347	0.01976178	0.75067419	14.282615	13.9134635	14.4107442	14.4307067
ILMN_1760509	0.00654443	1.34180301	11.8703767	10.2775338	10.3447153	10.1866962
ILMN_1760542	0.00489019	0.73703635	6.50661416	6.39981845	6.7099316	6.38301941
ILMN_1760779	0.04561215	0.7412942	7.80284526	7.07855433	7.44762961	7.57773622
ILMN_1761411	0.04186005	0.78271634	7.61079011	6.82749768	7.04842584	7.14557862
ILMN_1763260	0.04728466	0.67986491	7.66554413	7.33723297	8.30787975	8.2825005
ILMN_1763408	0.024028	0.74325947	6.64057408	6.12464969	6.51443239	6.39697495
ILMN_1763452	0.04738204	0.72732674	12.5519687	11.4474382	12.26113	12.8108287
ILMN_1763809	0.02689206	0.55733105	9.44020454	8.31856179	10.6778403	10.9230667
ILMN_1763837	0.03015834	0.6262042	10.0331105	9.18101979	9.63646766	9.64657401
ILMN_1764082	0.03456126	0.75384766	8.61045868	7.91116306	8.25892166	8.36132754
ILMN_1764396	0.01846108	0.58395347	9.51877549	7.82007299	7.63533504	7.96641605
ILMN_1764415	0.0185249	0.73911887	8.13214084	7.05868665	7.2207256	7.28851822
ILMN_1765061	0.03218534	0.70733821	8.08643933	7.41101857	7.08047859	7.28220718
ILMN_1765122	0.04646311	0.65451904	9.08672566	8.46016344	8.68726124	9.09746174
ILMN_1766176	0.04185669	0.75392774	6.5435064	6.86885959	7.42948792	6.78799003
ILMN_1767809	0.03398026	0.68931984	7.93066875	6.96557306	7.6838417	8.16027231
ILMN_1768117	0.04019261	0.68370785	10.4770894	9.11796693	9.50521391	9.64032267
ILMN_1768394	0.03999826	0.62248965	12.7110915	10.9597339	11.1697885	12.3137934
ILMN_1769705	0.03683845	0.76314354	11.5833066	10.8959547	11.6125055	12.1217899
ILMN_1769734	0.03159924	0.58294769	9.69140016	9.20710976	8.70641728	9.36048434
ILMN_1769741	0.04036404	0.82345668	6.58839458	6.34595658	6.32908179	6.07437549
ILMN_1769764	0.03556279	0.71514382	7.82089056	7.08236303	7.20716273	7.20127804
ILMN_1769937	0.02965659	0.61492565	11.6576583	10.2297694	9.97065669	8.83850621
ILMN_1770161	0.04573148	0.75238697	8.1653452	8.03478906	8.20992411	8.12913926

ILMN_1770244	0.02481804	0.65812975	8.48891061	7.41310745	7.78106328	7.92829748
ILMN_1770831	0.03185773	0.81723647	6.28009166	6.61162861	6.73671175	6.12682752
ILMN_1771048	0.03484549	0.71765577	7.22183456	8.33553149	8.63677939	7.90553021
ILMN_1771320	0.02180083	0.72534908	8.19475242	8.63994624	8.47394192	9.01656123
ILMN_1771664	0.02349416	0.61499023	8.11061955	7.08854234	8.17376707	8.69763067
ILMN_1771815	0.04473703	0.7453723	12.3852835	11.4797484	11.6326627	11.908667
ILMN_1772163	0.03896007	0.61677744	6.38228371	6.07101629	5.97672129	5.74012803
ILMN_1772387	0.04699854	0.70632147	7.74357152	7.54856455	7.97965669	8.47256738
ILMN_1772492	0.02685648	0.64919763	12.4282207	11.5074215	11.5494073	12.0162686
ILMN_1773154	0.0359757	0.69737534	12.8150124	11.8658678	12.5007899	13.1157806
ILMN_1773650	0.02168685	0.60217216	7.28423279	6.85930245	8.43835149	5.46324284
ILMN_1773757	0.0364226	0.77438003	7.03090876	6.82659933	6.75541906	6.94034649
ILMN_1775268	0.03883714	0.65027683	7.19165246	6.72496535	7.21724817	7.63641509
ILMN_1776195	0.03293121	0.70180933	6.07968573	5.81563178	6.01267906	5.46605149
ILMN_1776290	0.0224419	0.69775818	10.808883	9.9900841	9.49340756	10.2958022
ILMN_1776515	0.04724214	0.74797572	11.1039264	9.78430652	9.47572674	10.1424185
ILMN_1776649	0.01605471	0.52227826	10.0642739	8.64870199	9.36396432	9.91495178
ILMN_1777565	0.0390811	0.69544625	10.5873866	9.70087021	8.89706431	8.8275739
ILMN_1778202	0.01340747	0.61458112	9.33968814	8.67161855	8.33088955	8.58085399
ILMN_1778457	0.01335202	0.68407871	13.1638857	12.36177	12.2177663	12.6993085
ILMN_1778709	0.0379524	0.73942115	6.96280233	6.1358209	6.80580448	6.84120453
ILMN_1778930	0.01901809	0.65601231	7.50931739	6.23768589	6.55595416	6.66560737
ILMN_1779228	0.00826694	0.69482096	7.10452223	6.17609215	6.58685345	6.08893746
ILMN_1779572	0.04673331	0.79404381	6.48773088	6.34498504	6.79113293	6.59399788
ILMN_1780496	0.03800162	0.82404777	6.80129707	6.49553576	6.59193174	6.38134845
ILMN_1781198	0.03791742	0.7246858	8.7404979	7.66256157	8.0129245	8.52832908
ILMN_1782459	0.04190805	0.54682459	10.6120539	8.0372647	8.83668443	9.07209133
ILMN_1783060	0.01680589	0.62135054	7.52463339	6.87549135	7.2769693	7.6061209
ILMN_1783085	0.04838214	0.67817979	13.1058473	11.7557985	12.3105972	12.9253276
ILMN_1783675	0.04322112	0.73523955	9.46638669	7.80446277	8.52333691	8.43362091
ILMN_1783795	0.00304682	0.45763251	7.97448113	5.75005279	6.97940919	5.50409184
ILMN_1783805	0.04729595	0.69426592	7.90750181	7.28602171	7.09514169	6.60562545
ILMN_1784300	0.02213331	0.61468043	10.4989758	8.2203822	8.47255926	9.2596816
ILMN_1784380	0.0304786	0.78341161	7.51467855	7.96905434	7.34826784	7.86767597
ILMN_1784554	0.04595285	0.65621355	9.00299443	8.3614802	8.46976634	8.32159083
ILMN_1785167	0.03527524	0.69430791	9.69643398	8.49505873	8.97683502	9.03225929
ILMN_1785345	0.04711228	0.80414041	6.60259762	6.44660743	6.32831966	6.77765773
ILMN_1785615	0.03294807	0.68078784	7.5982781	6.81359138	7.0720672	7.37416138
ILMN_1785703	0.03204618	0.59856199	10.4080898	9.93522208	9.9257102	10.0150261
ILMN_1786847	0.00946975	0.60642473	8.12042971	7.09074548	8.25753871	7.19666409
ILMN_1787186	0.02839866	0.64341348	8.33599366	7.51482686	7.82764185	8.1990765
ILMN_1787314	0.04706392	0.78177086	7.28966942	6.85258943	6.64169572	6.72909319
ILMN_1787378	0.02743585	0.639343	9.98051235	8.92851423	9.20121064	9.55019307
ILMN_1787808	0.03068515	0.67208946	10.347556	8.9766257	9.41396043	9.59312646
ILMN_1787897	0.01317226	0.69570607	8.6052769	7.83879297	7.95739462	8.60244352
ILMN_1788143	0.03425984	0.74749932	7.35704609	6.81147617	7.16091414	6.62367185
ILMN_1788439	0.02716675	0.77971949	6.26979433	6.58296449	6.71625016	6.2800653
ILMN_1788701	0.04740497	0.71525557	9.55544328	7.56950932	7.9156882	7.62307014

ILMN_1790625	0.03910606	0.76299063	8.13315968	8.63534774	8.76957407	8.45689689
ILMN_1790689	0.00517829	0.60528173	10.8749944	10.2657264	10.8474215	11.6453234
ILMN_1790715	0.03834913	0.83643415	6.18703489	6.33286598	6.64582557	5.83193195
ILMN_1790891	0.00703242	0.63119232	9.9306958	9.58562865	10.2352604	10.5538433
ILMN_1790985	0.04901393	0.65119385	8.87508121	7.36046436	8.16545223	8.95772166
ILMN_1791253	0.0078129	0.58920987	7.48090408	6.52625211	7.20893858	7.52332672
ILMN_1791536	0.04423675	0.66030353	9.67023896	7.64657023	7.94199774	7.78235942
ILMN_1792207	0.04825472	0.79038023	6.91256005	6.2867117	6.31577832	6.24607246
ILMN_1792997	0.04642067	0.63940014	10.4700243	8.64886733	8.78465971	9.22820133
ILMN_1793461	0.02940973	0.6210913	6.67039566	6.32057024	6.49576391	6.21460239
ILMN_1794223	0.04412885	0.68083928	10.3500474	8.25953755	8.38936203	8.5540462
ILMN_1794333	0.04462818	0.77314884	7.5614155	7.25167839	7.04294304	6.57236705
ILMN_1795461	0.03893925	0.71402967	7.36692278	6.77181825	6.62844102	6.84006411
ILMN_1796138	0.01968872	0.69396535	6.95375064	6.69619278	7.35704961	8.24944155
ILMN_1796316	0.01063792	0.49972424	10.6776104	10.1267561	11.6561249	12.2401754
ILMN_1796335	0.04311004	0.65858764	6.64412739	8.41862596	6.65146937	7.01050125
ILMN_1796642	0.02288272	0.57283501	11.4640214	10.2998662	10.8969991	11.7085834
ILMN_1797207	0.01881661	0.7407949	6.38462957	6.05179732	6.05261087	5.75152076
ILMN_1797745	0.02634497	0.67312823	8.73046334	7.78079695	8.33997646	8.74720913
ILMN_1797875	0.03585933	0.7155672	13.8352787	13.1469368	13.6912899	13.9161118
ILMN_1798233	0.04845199	0.73773195	8.77269001	7.78192226	7.72217295	7.89829483
ILMN_1798581	0.00593864	0.63486918	12.7663272	11.8254804	12.0279972	12.1063395
ILMN_1798804	0.03901965	0.68114526	9.56862196	8.69552968	9.29140188	10.3701043
ILMN_1799030	0.00715106	0.59068826	12.1977426	10.713536	11.3284034	12.0248336
ILMN_1799106	0.04179542	0.64639203	9.01627038	8.7090128	9.27756429	10.2182823
ILMN_1799644	0.01217579	0.60176589	9.33309742	8.40908369	9.51735405	8.92338394
ILMN_1799848	0.01828948	0.62787298	7.69065874	7.91091611	7.34907241	7.91615893
ILMN_1800638	0.02961955	0.74641136	10.0552296	9.35606676	9.61154256	10.2848831
ILMN_1800695	0.03206478	0.82522497	5.94515094	6.17921962	6.15968206	5.73028834
ILMN_1801216	0.01496856	0.5070089	11.7177201	10.8492338	12.3321854	10.9552845
ILMN_1801776	0.01689787	0.67818632	7.42235328	6.71603335	6.85313486	6.6681475
ILMN_1801866	0.04988812	0.80500975	6.60089993	6.9914901	7.23367815	6.4737848
ILMN_1802096	0.03680355	0.72635799	11.6427065	10.8168677	10.7470533	11.4716646
ILMN_1802348	0.04791188	0.73140149	7.8321267	6.73322146	7.5246326	7.57854931
ILMN_1802758	0.02878836	0.64726546	9.30792459	9.40009236	9.72545846	10.0196435
ILMN_1802799	0.02635078	0.77635704	9.02611534	9.58778558	9.51277009	9.51929284
ILMN_1803500	0.02925383	0.7716853	7.46071062	6.49352069	6.75547248	6.96833733
ILMN_1803953	0.03227583	0.71365198	10.9212035	8.51220674	9.04982378	9.27507365
ILMN_1805104	0.01883709	0.7458432	7.36910262	6.88397998	6.87886142	6.98463492
ILMN_1805668	0.02913686	0.72239003	13.1620668	12.526698	12.6391614	12.711573
ILMN_1806122	0.03078035	0.6451768	9.79233497	8.92043802	9.55358226	8.70282963
ILMN_1806224	0.03287129	0.7346874	6.79191433	6.25607317	6.48020549	6.23935871
ILMN_1806999	0.03654815	0.69589108	7.81718578	7.28126705	7.36936877	7.91262412
ILMN_1807003	0.02689459	0.73765361	6.65544343	6.99920292	7.61088901	6.97707266
ILMN_1807529	0.01062232	0.6211844	11.6769197	10.9159951	12.1675119	12.780803
ILMN_1809585	0.0071602	0.63282531	7.14420344	6.6858841	7.26468467	7.28090065
ILMN_1809750	0.04402628	0.65824237	8.8906224	8.04855063	8.26648204	8.33374126
ILMN_1810229	0.03304353	0.71740175	8.7465684	7.62647637	8.25024109	8.07100052

ILMN_1811221	0.0408638	0.71370982	7.74780898	7.03672091	7.1630448	7.48400678
ILMN_1811330	0.04464779	0.779333	7.36878581	6.36054618	6.7914781	5.99331432
ILMN_1811608	0.0138339	0.75880595	6.78173345	6.40714622	6.56525017	6.2203404
ILMN_1811616	0.03020277	0.80320578	7.56013256	6.80913787	7.33757195	7.0259944
ILMN_1812105	0.01850934	0.67697696	10.724883	10.1537332	10.0793541	10.2817238
ILMN_1812571	0.02109215	0.74257288	9.32507335	8.15668785	8.90908603	8.87022476
ILMN_1812640	0.02405475	0.72366837	12.013381	11.5347503	11.2585802	11.5038392
ILMN_1812856	0.04442435	0.8091471	8.95048795	8.15831986	8.08821529	8.21827891
ILMN_1813139	0.00943211	0.70710146	8.33039795	6.71299877	7.46023635	6.53805232
ILMN_1813455	0.01062909	0.70669942	8.55923826	8.39547844	8.54712512	8.24024229
ILMN_1813746	0.04019327	0.73940812	8.52828883	7.62712455	7.86875281	7.18475834
ILMN_1814039	0.01652675	0.66746337	11.9413389	10.6425779	10.538351	11.3015271
ILMN_1814153	0.04993095	0.81693982	6.66296311	5.91334039	6.41589097	6.04869764
ILMN_1814204	0.01593455	0.7064202	13.7470464	12.8582635	12.9858026	13.3815565
ILMN_1815121	0.02723987	0.77230106	6.84662369	7.14425954	7.25573204	7.16193201
ILMN_1815578	0.03012795	0.70750039	9.69315221	9.35486248	8.612612	9.4601067
ILMN_1815668	0.01820735	0.65800904	8.79033742	8.18578727	9.24392656	9.11104175
ILMN_1816732	0.01095392	0.816986	6.36119952	6.36799198	6.48422532	6.22183185
ILMN_1818346	0.02814533	0.60333514	8.40880568	8.9697897	8.43970873	8.39771099
ILMN_1818621	0.03569277	0.83624447	6.29919043	6.32753378	6.19685251	6.20697819
ILMN_1819313	0.04180983	0.7372267	6.9818595	7.47674458	7.73628083	7.40711988
ILMN_1820160	0.04551196	0.8513076	6.22536807	5.99316349	6.17882875	5.52245724
ILMN_1820302	0.04813147	0.82337135	6.656299	6.14223718	6.347121	6.17211983
ILMN_1821042	0.03250955	0.79028422	6.46118621	6.52846396	7.03047403	6.65558081
ILMN_1821887	0.02615189	0.76249494	6.51823644	6.4441517	6.80531826	6.32357886
ILMN_1822005	0.04771273	0.8630624	6.07049044	5.89729295	5.89173948	5.60598672
ILMN_1823533	0.0126724	0.76283529	6.82660823	6.54705353	6.47643305	6.50417449
ILMN_1823543	0.01780721	0.71262235	7.44600225	7.12884087	7.66601517	7.9714901
ILMN_1824666	0.04795528	0.80947393	6.44676489	6.51550321	6.48872371	6.41671664
ILMN_1824898	0.04413627	0.70001396	7.81576241	7.31734297	7.37200223	7.15960194
ILMN_1825186	0.04559145	0.83672596	6.4377326	5.98381858	6.12422411	5.51881931
ILMN_1825233	0.02115388	0.82931764	6.57258579	6.11042589	6.2952655	5.83515352
ILMN_1831158	0.005815	0.72307832	7.33018997	6.65833289	6.77522046	6.35011955
ILMN_1833928	0.04290278	0.83854386	6.2182792	6.18904925	6.10042939	5.89854141
ILMN_1835631	0.04362519	0.71555091	7.33160491	6.81762837	7.67996068	7.71077958
ILMN_1835722	0.00671501	0.59894885	6.5679392	6.53444063	6.85368009	6.57961629
ILMN_1837686	0.01556524	0.70561596	7.32829435	7.24857848	7.37837723	7.42743018
ILMN_1839609	0.04115986	0.75393819	6.62059565	6.44130287	6.7970039	6.93273562
ILMN_1846462	0.04895442	0.86430369	6.35049283	6.02134225	6.07627796	5.92439685
ILMN_1846910	0.01435395	0.63193734	7.71249261	7.22764193	7.6101796	8.4517102
ILMN_1847530	0.02734796	0.69806709	7.19186167	6.81236858	6.91842321	7.0559147
ILMN_1850677	0.02950122	0.76378325	7.0017302	6.82609718	7.07275645	7.07303506
ILMN_1853167	0.0077749	0.75888274	7.55112838	6.94425173	7.13140119	6.63814394
ILMN_1853438	0.04262768	0.77016442	6.77951451	6.55893861	6.44542396	6.46604595
ILMN_1854183	0.04459308	0.84611768	5.9351061	5.87423187	5.96652922	5.49525289
ILMN_1855286	0.03291709	0.75364754	7.27299176	6.805157	6.88538645	6.44652506
ILMN_1855791	0.04529562	0.84468658	6.14206498	6.0938707	6.00735407	5.45231472
ILMN_1856070	0.04556333	0.67996538	6.67769991	6.93589461	7.62967063	7.96929672

ILMN_1856459	0.04162967	0.75957552	6.40789145	6.33575549	6.48221777	6.21604155
ILMN_1857413	0.023415	0.69525159	6.70763798	6.77187238	6.99831061	6.64656015
ILMN_1860735	0.03043853	0.79453188	7.0835857	6.40110718	6.63930742	6.47794668
ILMN_1863656	0.02918945	0.76871731	6.83615137	6.2847586	6.42585437	6.01333786
ILMN_1864422	0.04664826	0.76974065	7.32047836	6.67007126	6.92235962	6.73687813
ILMN_1864712	0.04759332	0.7325765	7.52018571	6.52684615	7.13442119	7.40807834
ILMN_1866464	0.02648992	0.64713909	9.07474786	8.08855029	8.27621562	8.29565048
ILMN_1867588	0.0123663	0.69085049	7.91181919	7.33864726	7.65180514	7.81850293
ILMN_1869106	0.02632155	0.85046536	6.21607785	5.96237596	5.88248019	5.77246661
ILMN_1870041	0.0280778	0.59274667	7.49593495	7.08599394	7.11387133	7.17317642
ILMN_1870457	0.04074444	0.74951537	6.80860128	6.29659121	6.35293522	6.30054274
ILMN_1870646	0.02856793	0.72529649	7.05890523	6.35790577	7.1728575	7.03210195
ILMN_1872036	0.01080359	0.69131032	8.27402865	8.27232559	8.19019852	8.27492927
ILMN_1873788	0.04724456	0.78441698	6.35499124	6.44087315	6.65413476	6.28735926
ILMN_1879066	0.02559121	0.72575709	7.35564533	6.44604709	7.15346489	6.97378804
ILMN_1880134	0.03567275	0.66995096	7.30157393	6.52205277	7.15983603	7.12951898
ILMN_1880611	0.03174699	0.7577662	6.62260331	6.11093154	6.39903451	6.25139038
ILMN_1883154	0.03642713	0.74258468	6.63108478	6.74012614	7.13697984	7.08269514
ILMN_1883525	0.00901723	0.80190506	6.18836077	6.23282171	6.18663862	5.95910591
ILMN_1883732	0.04630286	0.85137522	5.94782954	5.87401935	5.90342228	5.44523606
ILMN_1884015	0.04195862	0.84550564	6.4163439	5.74202885	5.83448698	5.57000017
ILMN_1884193	0.01252282	0.72370806	7.03356616	6.5912321	7.01093086	6.96997355
ILMN_1887093	0.04826435	0.83489617	6.20326753	5.90748751	5.83800327	5.51963279
ILMN_1888392	0.04402327	0.80450584	6.52814886	6.35007658	6.6910665	6.38202097
ILMN_1888504	0.03605075	0.84509748	6.10288233	6.03310117	6.07654969	5.69023773
ILMN_1890989	0.03843611	0.76837348	6.18715172	5.76669825	5.91602012	5.70380476
ILMN_1896967	0.04161309	0.68343908	7.48232315	6.97316697	6.74518085	7.50718493
ILMN_1898453	0.01101381	0.66172582	7.08590261	6.79381397	6.95813391	6.17963465
ILMN_1899629	0.04126294	0.83874599	6.45057569	6.19542457	6.22708199	5.92762415
ILMN_1900263	0.0238475	0.70147798	7.87877867	7.2895643	7.17871165	6.52575538
ILMN_1902251	0.02132747	0.71450017	7.22980708	6.68973945	7.25381913	7.11069314
ILMN_1902594	0.03996881	0.82689736	6.55692428	6.17292229	6.61308354	6.57282087
ILMN_1903159	0.02990212	0.64268008	9.35815952	7.72009784	8.42641447	8.72684177
ILMN_1907834	0.01470141	0.72355167	6.51152528	6.24727664	6.55107191	6.38009668
ILMN_1910550	0.01003398	0.79205029	6.91368769	6.65906828	6.91895623	6.42634159
ILMN_1911719	0.02403035	0.74499229	6.75927969	6.468669	6.77012867	6.65301414
ILMN_1912083	0.03703453	0.74140649	6.97179873	6.30810873	6.59015781	6.64035413
ILMN_1912662	0.02780781	0.60628383	9.31284167	8.74599291	8.5383461	8.40448636
ILMN_1914473	0.01568292	0.67435412	7.76571905	6.48019871	6.95230095	6.72152168
ILMN_1914800	0.0350841	0.63456296	7.23172712	6.57244239	6.76920973	7.00921839
ILMN_1915031	0.0460836	0.83435836	6.30106922	5.97454124	6.07647936	6.00432363
ILMN_1916292	0.01816967	0.47380096	7.02358139	6.41284773	6.81598395	6.69638477
ILMN_2038776	0.00331489	0.69052448	12.2133597	11.7375068	12.332438	12.741946

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7.25222546	6.8333683	7.15737018	7.32331422	7.1113068	6.2093241	6.05735994
7.50199	6.72804294	8.13002684	7.70986821	7.28354865	6.97145159	6.79127491
6.71307165	7.08999806	7.0250011	7.48991779	6.50522769	6.6537723	6.02043797
5.76570394	5.88514213	6.22308578	5.92362532	5.72270372	6.25511943	6.11082424
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6.48637811	7.05096743	6.54648103	6.55791381	6.26504433	6.30956203	6.19393611
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6.58098209	5.95512957	7.10799851	7.08615321	6.19645499	6.3688806	6.20222317
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7.29910909	6.88333611	6.78515949	6.63902113	6.20236502	6.96961331	6.67539396
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7.57510278	7.92411058	7.417369	7.5934225	7.1691313	7.22108825	6.77426127
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9.66827694	9.1582739	9.68409216	9.39893732	8.83137819	8.96178855	8.27799358
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9.11554233	9.46784211	8.59277245	8.72152476	8.72774657	8.40518445	8.02006321
8.7811551	8.62056222	8.91829141	9.01830535	8.05816819	8.02475128	7.86785076
7.29033962	7.74154047	7.72912379	8.14298364	7.28342641	7.4665064	7.29443971
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10.5830715	10.7826715	10.9746447	11.6181441	10.3739766	9.94725529	9.31303947
13.822768	13.8872444	13.8230418	14.3866661	13.5703408	13.4089215	12.6689964
11.9243694	11.7690994	12.9033099	12.822138	12.1017778	11.7256683	11.1913609
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6.91031773	5.52215433	5.61943003	7.00544153	5.25769596	5.52200206	6.82586829
6.69121589	7.03796419	6.81461835	8.45565148	7.76305232	6.23079998	7.50737208
8.3342259	9.00606403	9.07331388	9.60178787	8.73190142	8.31222452	8.00890925
7.6245089	7.17549167	7.46660755	7.08272494	7.23238159	7.39680683	7.34508318
8.23092013	8.96095154	8.93797608	9.27859256	7.62729457	7.55930672	6.7977121
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9.86696375	10.7594422	10.5726851	10.874392	9.20351955	8.84763494	7.91712619
8.35012503	7.97994073	9.05043204	8.52358587	7.46104555	8.08215011	7.32577855
8.25958745	8.99576065	7.96565501	7.58333103	7.76460094	7.41309645	7.41799762
6.47688615	6.53811318	7.1390192	7.36826898	6.55834509	6.21788017	6.10850919
9.20977184	9.63670545	9.43321883	9.74619417	8.58516537	8.32071572	7.81348365
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6.34272771	6.77486347	6.66673529	6.941543	6.66952147	6.49565775	6.29280291
5.82028365	5.84954847	6.20354515	5.76501194	5.68392772	5.96092334	5.77257534
6.96172055	8.27278419	7.84508102	8.14142666	7.14104852	7.05783256	6.86780382

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C185dup_NS	C238_NS	P010_NS	C078_NS	C016_NS	C074_NS	P003_NS
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5.85175704	5.92616622	6.39370964	5.86592797	6.99149577	7.11631485	7.36782883
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9.38748834	8.23996411	9.30756878	8.61158774	11.2379497	10.9801389	10.9282711
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6.81887867	6.29054531	7.64205964	6.30974209	7.81855534	8.18996635	8.38063898
6.67445218	6.36328359	6.74416783	6.5390558	7.65589274	7.58735599	7.47176624
7.25704363	8.71233165	8.32931379	7.13138885	9.48492679	8.68852553	9.68569789
8.08128689	7.56865919	8.53442857	7.99074502	10.3827904	10.444605	9.77802356
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7.77377814	7.66383061	7.80129449	7.1476191	8.94179356	8.58042893	8.21483102
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9.73929406	10.0509207	11.3474082	10.2659807	12.056935	11.5862013	12.4406317
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6.95538256	6.9841769	8.24686313	6.95799583	9.18539184	9.25074371	10.5386371
6.2739703	6.25454038	7.35557662	7.02821109	9.27130451	8.01276252	7.54048998
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C036_NS	C030_NS	C108_NS	C119_NS	C056dup_NS	P008dup_NS	C056_NS
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8.31356513	8.93069417	8.45663738	9.00753191	7.95386759	7.75314052	8.28420271
6.22086119	5.75819736	6.354358	6.23680944	5.75311885	5.39126422	5.43476432
12.9799719	12.9926571	12.9878301	13.2275123	11.9077169	11.2850438	12.0411417
10.0168612	10.2432418	9.93447463	10.6823828	9.19910202	8.74887176	9.81084007
10.8152744	10.4851028	9.99154594	9.88775951	8.79536598	8.18335947	8.94978091
6.73945795	6.88535716	6.81967712	6.98174308	6.65291379	5.88408967	6.4832739
7.33655922	7.75176564	7.61185475	7.80155511	6.80588443	6.72705594	6.97107906
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9.25652079	9.46277443	9.05075553	8.58803697	8.7135642	8.43159998	8.75531424
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8.12238593	8.27735715	7.15926487	8.25258455	7.79701233	7.19448306	7.685889
7.25580095	6.94746629	6.94045456	6.98486957	6.34271296	6.07881048	6.08081327
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7.83449317	7.9012549	7.6157363	8.04928007	7.32201916	6.80993015	7.34424353
7.89030563	7.60617866	7.29009444	7.90521309	6.98894367	7.24471109	6.78720389
10.8659026	11.2457161	11.2016032	10.8611055	10.1129777	9.16341042	10.1084905
11.4421126	11.5568427	11.3105185	11.4497099	10.3290866	10.1151269	10.4257687
8.12415285	7.81278763	7.84264514	7.70166341	7.49830114	7.25095116	7.2785842
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15.1663997	14.8414892	15.2433332	15.2742777	14.231477	14.3069802	14.3288243
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9.19704808	8.24513909	8.66312185	8.51877077	7.51639737	6.5689016	7.75325085
8.32437769	9.06300348	8.05089997	9.07470639	7.59165623	7.34779763	7.57314045
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6.79176069	6.78470812	8.65195937	6.61693341	5.98250834	6.05893747	5.87077626
9.96085889	9.49424899	8.78874574	8.30876131	7.86036693	7.45803333	7.60431378
8.36144598	7.60750121	7.82145831	8.11648277	6.52654775	6.42519794	6.73217964
8.01629128	7.77215157	7.61506827	7.91091371	7.3244479	6.714431	7.28426519
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7.28630362	8.5057163	8.59716762	8.34960634	7.41869258	7.1935914	7.63384385

7.10464278	8.52211108	8.85736305	8.89780039	6.66477294	7.34040293	7.30076986
7.39746329	7.88528882	8.52550006	8.59139107	6.90308167	6.75828985	7.17593871
9.46368416	9.85721669	10.4907165	10.5143847	9.90367085	10.030543	9.70688155
10.4515089	12.2430314	12.0825483	11.9722468	10.9649855	11.0289041	11.0681495
7.36773973	8.42966324	8.999774	9.20156795	6.48580355	7.54528886	7.27342917
6.01543802	7.90774154	7.95267137	7.99199908	6.31447358	6.80752237	6.85740256
14.5086571	15.1441978	15.7175118	15.6206062	13.7025634	14.1886723	14.3368831
7.09372601	8.64702951	8.87014491	8.90463703	7.02290928	7.06271321	7.05150479
6.43368842	6.99575698	7.43219277	7.4469096	5.63508512	6.05206283	6.34594328
8.67285031	10.8754553	10.9432027	10.8832413	9.4249139	9.37062137	9.60583617
5.76398567	7.25112258	6.80662695	6.78606048	6.34425684	5.67276759	6.11369279
7.79738463	9.84260271	9.40168443	9.35809335	7.92405058	7.89676469	8.00112948
9.36668394	11.7263996	11.0932532	10.9695391	9.69582648	9.87718243	10.4107524
6.57184106	9.37115653	9.12995037	9.15036851	8.58834548	7.64445695	8.26412635
7.44294515	10.1790208	9.06218082	9.10178242	7.73566568	7.45762876	7.42425869
8.57848969	9.72683581	10.7302281	10.703792	9.81143362	9.40821615	10.1091673
6.86182389	7.20004328	8.27986126	8.26809702	8.37587352	6.92473176	6.61050917
6.05859682	7.2446854	7.6247728	7.55030968	6.57499898	6.01860591	6.79522537
7.35304182	9.40788508	8.73334417	8.73130783	7.16759176	7.63215332	8.00538314
8.81279052	11.0667888	10.6274181	10.540439	9.89028176	9.77737796	9.75453063
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7.97020255	9.29978704	9.73145328	9.58127253	8.74843976	8.20523219	8.10705174
8.52970931	11.4115073	10.3470688	10.3066496	9.10922211	9.11209202	9.22870616
9.33605616	9.68972198	9.81224406	9.84793225	8.32822926	8.75219898	9.21676356
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8.09562383	9.47726245	10.0982098	10.0199493	7.90108953	8.21615217	8.88440835
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6.17768264	7.19460027	7.44661603	7.30731467	6.72326366	6.54361203	6.59366331
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10.2291865	12.6779486	12.3783344	12.2786797	11.1355964	10.94361	10.9430452
14.313496	15.3581841	15.3878164	15.3907151	14.1037705	14.3379389	14.6476411
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6.28527385	7.53619126	7.80261717	7.78618205	6.13013808	6.41245519	6.68385363
9.52577272	11.5819971	11.3956835	11.199749	9.65076007	9.73849089	9.53834784
7.34529967	8.22891054	8.28147571	8.10937101	6.83201781	7.03392841	7.52454877
13.0799612	14.944734	14.9144627	14.8755862	14.1235605	13.2930491	13.6645106
9.2954558	10.3693291	10.5042241	10.5477236	10.2086563	9.72404584	9.7418657
9.91005624	11.312103	11.7627603	11.7440223	9.67334106	9.25720184	9.76749855
6.28838533	7.23220025	7.67915986	7.5421613	6.45399884	6.69160954	6.66200464
9.9059978	11.9627337	11.628657	11.5408081	10.3206652	10.1928032	10.4440044

6.62549903	7.88025268	8.45202786	8.30516434	7.08213201	6.89335008	6.61229411
14.5303527	15.6376033	15.5908396	15.3759086	14.2187176	14.2539575	14.7709777
8.36241203	12.1735347	11.8507147	11.7068456	11.2031761	11.2596521	11.02048
11.3375221	13.1300789	12.9721764	13.0891668	10.9822321	11.3857238	11.2211346
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6.55005366	6.46818985	7.50527565	7.52700307	5.46653511	5.67949164	6.29223677
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6.60621242	7.99193561	7.60060725	7.61953406	7.08826671	6.7240977	6.98945922
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6.79841737	8.20792798	7.5487256	7.5850181	7.20118785	6.6894697	6.58658327
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14.2280618	14.7158312	14.5442062	14.6677281	14.4886498	14.1848684	14.2564195
10.3903625	11.392487	10.8474567	9.87021644	10.252948	10.8971444	10.7431985
10.91435	11.6683758	11.1594192	11.3891694	11.2698251	11.5781637	11.8034733
7.99712414	9.47067229	8.24824876	8.72267333	8.27064994	8.11691521	8.5146537
7.60775566	8.8153154	8.44097877	7.91419077	8.14876484	8.08152711	7.82161137
6.85291647	7.43164134	6.90302501	7.11471266	6.9388668	7.46387172	7.57469343
12.0610518	12.4585819	12.879754	12.7914706	12.9526415	11.1208126	10.8365814
5.30220315	5.85803671	5.96597817	5.44783142	5.90624412	5.44841072	6.54837682
6.49547388	7.16311526	6.77394755	6.73926486	6.48783457	6.36286417	6.27982134
6.33570387	7.31940478	7.28693288	6.68302969	5.97198492	6.2140152	6.14379237
6.67375427	7.5717989	6.97853201	7.42331428	6.82372516	6.49992416	6.88525587
11.9554625	12.9824774	12.6269873	12.5062032	12.5018857	11.9420548	11.800508
8.73915514	9.40765463	9.05083387	8.74515765	8.54721845	7.42571273	7.65754498
7.54288948	8.84473997	8.72561302	8.39867102	8.32574123	8.43868832	7.88128714
9.10263058	10.3744809	9.79150122	10.203091	9.80181957	9.34966162	9.59286662
10.3778298	11.7140411	10.9774467	10.2153486	11.089473	9.52646755	9.82365687
5.99132025	6.38245076	6.40486226	6.71978307	6.12656634	6.01326282	5.88359785
8.94238255	10.480355	10.0102232	9.61498842	9.66832623	8.91044066	8.73814125
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13.7306867	14.6070794	14.4554903	14.5733892	14.2515068	13.8141478	13.5990027
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6.36519297	7.16028895	6.98557557	6.90586712	6.71211012	6.27100839	6.01268889
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6.20591052	6.53204323	6.03183274	6.18584812	6.19900541	6.05396258	6.23533436
6.07303528	6.75196174	6.57030308	6.65115935	5.89111462	6.01104428	5.87791059
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9.09090158	10.2466919	9.99040893	9.63872099	9.58204354	9.16199195	8.85647875
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7.29634269	8.59387624	8.21330694	7.88809054	7.58675199	7.57727624	7.4721498

6.80138374	7.35120163	6.94245117	7.08143657	6.92254278	6.96250275	7.00111878
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7.79472517	9.20785479	9.2350085	9.13859999	8.8209282	8.05777354	7.60474298
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6.669401	7.74473766	7.64235862	7.58626034	7.58840958	6.69881716	6.22347758
7.22318118	8.12492931	8.24798826	8.27047989	8.80146005	7.33154938	7.55862734
9.07306506	9.45506291	9.74906072	9.5462505	9.5209119	8.68716184	8.64784873
5.43701496	8.13782471	7.81877708	7.03759747	7.48603131	5.73471558	6.48784341
7.4297532	8.74294162	8.58898479	8.59988533	8.37163161	7.08813311	7.3917514
7.92928268	8.67296166	8.95534623	9.05079253	9.14708635	7.9018691	7.13181581
8.42719382	9.83715942	9.63525033	9.10594229	8.98751813	7.48893751	8.1086567
6.3217867	6.65926669	6.87340228	6.86834724	6.72230344	6.1920886	6.37983372
8.39892621	9.04948919	8.94883822	8.61203322	8.85151357	7.66711935	8.76894121
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7.38772613	7.40093748	7.79290675	7.68203809	7.45714527	6.57331469	6.81876111
6.51074771	7.47702479	7.68472548	7.52821341	7.63030062	6.81699642	7.48507014
12.2488538	13.5047669	13.4019821	13.479611	13.2726329	12.0516831	11.8397396
9.29042072	10.4193166	10.5488672	10.2144891	9.94826253	9.04223912	9.45405433
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7.74710001	8.36682183	8.7017975	8.63524833	9.11134828	7.37883325	6.89705645
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7.17047092	8.98065371	9.27621376	8.52076442	8.69799895	7.88792793	7.30491346
5.42019773	6.34400556	6.43237754	6.3112933	5.84991472	5.3835792	5.34180149

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6.95577194	7.9145143	8.0241828	7.4939699	7.64481815	6.93270492	6.92265932
8.22163255	8.94933532	8.91746219	9.01422305	8.87304724	8.01374474	8.58378119
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8.25973008	9.50889447	9.19641328	8.59769727	8.51340665	7.38939903	8.23545615
5.57357751	6.30695575	6.49731856	6.13967249	6.34797174	5.80131156	5.82651722
8.81135125	9.55346899	8.66451235	8.43018406	7.80095812	7.63660505	7.91808326
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5.58783361	5.57974012	5.67440726	Homo sapiens	Unigene	ILMN_74698	ILMN_74698
6.14740867	6.85517247	7.14860979	Homo sapiens	Unigene	ILMN_95926	ILMN_95926
5.74183611	6.49237109	6.47857792	Homo sapiens	Unigene	ILMN_123922	ILMN_123922
6.41141642	7.18474545	7.44757259	Homo sapiens	Unigene	ILMN_104197	ILMN_104197
8.10830385	9.16661528	8.3070546	Homo sapiens	Unigene	ILMN_88069	ILMN_88069
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6.01642055	7.09681739	7.56708906	Homo sapiens	Unigene	ILMN_82381	ILMN_82381
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6.08754664	6.91100122	6.91031174	Homo sapiens	Unigene	ILMN_117493	ILMN_117493
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6.35363258	7.23498025	7.15138801	Homo sapiens	Unigene	ILMN_134444	ILMN_134444
6.28148851	7.01563806	7.54175797	Homo sapiens	Unigene	ILMN_123332	ILMN_123332
5.5156929	6.02768797	6.03937071	Homo sapiens	Unigene	ILMN_91878	ILMN_91878
5.85297512	7.06959369	6.33078282	Homo sapiens	Unigene	ILMN_77095	ILMN_77095
12.0845237	12.771378	13.2017821	Homo sapiens	ILMN_Controls		ILMN_160472

ILMN_Gene	Source_Reference_ID	RefSeq_ID	Unigene_ID	Entrez_Gene_ID
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LINC00243	XM_936105.1	XM_936105.1		642035
LINC-PINT	XM_935575.1	XM_935575.1		641825
LINC00639	XM_378454.3	XM_378454.3		283547
AC068587.4	XM_943677.1	XM_943677.1		654053
AL445524.1	XM_933693.2	XM_933693.2		440731
DNAJC3-DT	XM_943048.1	XM_943048.1		647834
AL162377.1	XR_000601.1	XR_000601.1		283521
AC108134.3	XM_941963.1	XM_941963.1		649754
LINC-PINT	XM_930545.1	XM_930545.1		378805
AC114980.1	XR_001261.1	XR_001261.1		80042
LINC00921	XM_370932.4	XM_370932.4		283876
SCARNA9	NR_002569.1	NR_002569.1		619383
AC113143.1	Hs.571432		Hs.571432	NA
LINC02555	Hs.306876		Hs.306876	NA
HDAC4-AS1	Hs.534680		Hs.534680	NA
AC123595.1	Hs.482814		Hs.482814	NA
FOXP1-IT1	Hs.549989		Hs.549989	NA
AC004803.1	Hs.270094		Hs.270094	NA
NDUFV2-AS1	Hs.569879		Hs.569879	NA
PRKCQ-AS1	Hs.13262		Hs.13262	NA
RNU6ATAC35P	Hs.562110		Hs.562110	NA
MIR29B2CHG	Hs.445414		Hs.445414	NA
TXN	NM_003329.1	NM_003329.1		NA
RPS28	NM_001031.4	NM_001031.4		6234
GADD45G	NM_006705.2	NM_006705.2		10912
RPS16	NM_001020.4	NM_001020.4		6217
ABCC5	NM_001023587.1	NM_001023587.1		10057
GNG10	NM_001017998.2	NM_001017998.2		2790
LMBRD1	NM_018368.2	NM_018368.2		55788
LOC647361	XM_936430.2	XM_936430.2		647361
C9ORF19	NM_022343.2	NM_022343.2		152007
RPS6KA3	NM_004586.2	NM_004586.2		6197
RAXL1	NM_032753.2	NM_032753.2		84839
LOC390033	XM_372345.3	XM_372345.3		390033
PBEF1	NM_005746.2	NM_005746.2		10135
LOC644250	XM_929199.1	XM_929199.1		644250
TMPIT	NM_031925.1	NM_031925.1		83862
PLAU	NM_002658.2	NM_002658.2		5328
PPP2R3A	NM_181897.1	NM_181897.1		5523
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CD82	NM_002231.3	NM_002231.3		3732
POLR2J	NM_006234.4	NM_006234.4		5439
LOC284757	NM_001004305.1	NM_001004305.1		284757
KIAA0319	NM_014809.2	NM_014809.2		9856
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MEGF9	NM_001080497.1	NM_001080497.1		1955

LOC644852	XM_934218.2	XM_934218.2	644852
LOC653635	XR_017611.1	XR_017611.1	653635
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TXNL5	NM_032731.2	NM_032731.2	84817
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PAK2	XM_936511.1	XM_936511.1	5062
RPS27	NM_001030.3	NM_001030.3	6232
GPR177	NM_001002292.1	NM_001002292.1	79971
LOC653352	XM_934316.1	XM_934316.1	653352
CSF2RA	NM_172246.1	NM_172246.1	1438
LOC646424	XM_941267.2	XM_941267.2	646424
ZMYM2	NM_003453.2	NM_003453.2	7750
PPP2R3C	NM_017917.2	NM_017917.2	55012
GPR160	NM_014373.1	NM_014373.1	26996
FLJ11151	NM_018340.1	NM_018340.1	55313
RGR	NM_153615.1	NM_153615.1	266747
EFCBP2	NM_019065.2	NM_019065.2	54550
CACNA1E	NM_000721.2	NM_000721.2	777
DLD	NM_000108.3	NM_000108.3	1738
UNC119	NM_005148.2	NM_005148.2	9094
LOC653604	XM_497711.2	XM_497711.2	653604
TMBIM4	NM_016056.2	NM_016056.2	51643
WSB1	NM_015626.8	NM_015626.8	26118
SH3BP5L	NM_030645.1	NM_030645.1	80851
USP15	NM_006313.1	NM_006313.1	9958
LOC390466	XM_372521.1	XM_372521.1	390466
AKTIP	NM_022476.2	NM_022476.2	64400
TRIM56	NM_030961.1	NM_030961.1	81844
CDC123	NM_006023.1	NM_006023.1	8872
NKX3-1	NM_006167.2	NM_006167.2	4824
LPPR2	NM_022737.1	NM_022737.1	64748
SULF2	NM_198596.1	NM_198596.1	55959
IFRD1	NM_001550.2	NM_001550.2	3475
LOC728825	XM_001128769.1	XM_001128769.1	728825
NTNG2	NM_032536.1	NM_032536.1	84628
LOC391475	XM_937277.1	XM_937277.1	391475
DHRS12	NM_001031719.1	NM_001031719.1	79758
PDE7A	NM_002604.1	NM_002604.1	5150
MNDA	NM_002432.1	NM_002432.1	4332
ARID3A	NM_005224.2	NM_005224.2	1820
CYORF15A	NM_001005852.1	NM_001005852.1	246126
CIR	NM_004882.3	NM_004882.3	9541
CLCC1	NM_001048210.1	NM_001048210.1	23155
TOB1	NM_005749.2	NM_005749.2	10140
SP110	NM_004510.2	NM_004510.2	3431
LMNB1	NM_005573.2	NM_005573.2	4001
F2RL1	NM_005242.3	NM_005242.3	2150
LOC652578	XM_942097.1	XM_942097.1	652578

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HSD17B11	NM_016245.2	NM_016245.2	51170
LOC441268	NM_001013725.1	NM_001013725.1	441268
SIRPB1	NM_006065.1	NM_006065.1	10326
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NBPF9	XM_934022.1	XM_934022.1	440670
CUEDC1	NM_017949.1	NM_017949.1	404093
Septin 2	NM_001008491.1	NM_001008491.1	4735
CLEC4D	NM_080387.4	NM_080387.4	338339
LOC731706	XR_016005.1	XR_016005.1	731706
PTGS2	NM_000963.1	NM_000963.1	5743
RAB24	NM_130781.2	NM_130781.2	53917
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TAF15	NM_139215.1	NM_139215.1	8148
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RAPGEF1	NM_198679.1	NM_198679.1	2889
VNN2	NM_078488.1	NM_078488.1	8875
SCGB3A1	NM_052863.2	NM_052863.2	92304
LOC651894	XM_941155.2	XM_941155.2	651894
USP49	NM_018561.3	NM_018561.3	25862
TXN	NM_003329.2	NM_003329.2	7295
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LOC650919	XM_944417.1	XM_944417.1	650919
PRKAR2A	NM_004157.2	NM_004157.2	5576
NT5C2	NM_012229.2	NM_012229.2	22978
UBE2D3	NM_181889.1	NM_181889.1	7323
PBX2	NM_002586.4	NM_002586.4	5089
PFKFB2	NM_006212.2	NM_006212.2	5208
TMEM154	NM_152680.1	NM_152680.1	201799
THRAP2	NM_015335.2	NM_015335.2	23389
ASAH1	NM_177924.2	NM_177924.2	427
ACSL1	NM_001995.2	NM_001995.2	2180
PSG11	NM_002785.2	NM_002785.2	5680
TMCC3	NM_020698.1	NM_020698.1	57458
C15ORF51	NR_003260.1	NR_003260.1	196968
THBS1	NM_003246.2	NM_003246.2	7057
SLCO4C1	NM_180991.4	NM_180991.4	353189
MGEA5	NM_012215.1	NM_012215.1	10724
HLX1	NM_021958.2	NM_021958.2	3142
SULF2	NM_018837.2	NM_018837.2	55959
RBM7	NM_016090.2	NM_016090.2	10179
IFI6	NM_002038.3	NM_002038.3	2537
LOC651894	XM_941155.2	XM_941155.2	651894
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CAMP	NM_004345.3	NM_004345.3	820
HIST1H2BH	NM_003524.2	NM_003524.2	8345
TNFRSF12A	NM_016639.1	NM_016639.1	51330

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PTPLAD2	NM_001010915.1	NM_001010915.1	401494
STAT1	NM_139266.1	NM_139266.1	6772
PSMD12	XM_001134072.1	XM_001134072.1	5718
PLAUR	NM_001005376.1	NM_001005376.1	5329
LOC646064	XM_933375.1	XM_933375.1	646064
IL4R	NM_001008699.1	NM_001008699.1	3566
ZNF14	NM_021030.2	NM_021030.2	7561
BCKDK	NM_005881.1	NM_005881.1	10295
CMTM1	NM_181301.1	NM_181301.1	113540
ALPP	NM_001632.3	NM_001632.3	250
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ICA1	NM_022308.1	NM_022308.1	3382
CLTCL1	NM_007098.2	NM_007098.2	8218
RPS29	NM_001032.3	NM_001032.3	6235
LOC653610	XM_928387.1	XM_928387.1	653610
SRPK2	NM_182692.1	NM_182692.1	6733
CLK4	NM_020666.2	NM_020666.2	57396
LOC642333	XR_019071.1	XR_019071.1	642333
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PYGL	NM_002863.3	NM_002863.3	5836
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TLE4	NM_007005.3	NM_007005.3	7091
FARSLB	NM_005687.2	NM_005687.2	10056
LOC649841	XM_938906.2	XM_938906.2	649841
RBM3	NM_001017431.1	NM_001017431.1	5935
LOC440926	XR_017837.1	XR_017837.1	440926
IFIT1	NM_001548.2	NM_001548.2	3434
LOC442609	XM_935827.1	XM_935827.1	442609
USP9Y	NM_004654.3	NM_004654.3	8287
LOC400721	XR_018616.1	XR_018616.1	400721
CLEC7A	NM_197953.1	NM_197953.1	64581
SAP30	NM_003864.3	NM_003864.3	8819
UTY	NM_182659.1	NM_182659.1	7404
PFN2	NM_053024.3	NM_053024.3	5217
MXD1	NM_002357.2	NM_002357.2	4084
HSD17B12	NM_016142.1	NM_016142.1	51144
SF3B14	NM_016047.3	NM_016047.3	51639
LOC347376	XM_937928.1	XM_937928.1	347376
LOC283152	NM_001033658.1	NM_001033658.1	283152
CAMK1D	NM_020397.2	NM_020397.2	57118
LOC653635	XR_017611.1	XR_017611.1	653635
EIF2AK2	NM_002759.1	NM_002759.1	5610
BIN3	NM_018688.4	NM_018688.4	55909
GOLPH3	NM_022130.3	NM_022130.3	64083
EXOSC3	NM_001002269.1	NM_001002269.1	51010
RUNDC2B	NM_001012391.1	NM_001012391.1	400509
LOC647499	XM_942939.1	XM_942939.1	647499

LOC644591	XM_927706.2	XM_927706.2	644591
RGS2	NM_002923.1	NM_002923.1	5997
LOC653489	XM_934113.1	XM_934113.1	653489
LOC645895	XM_928866.1	XM_928866.1	645895
GMFG	NM_004877.1	NM_004877.1	9535
LOC644969	XM_928047.1	XM_928047.1	644969
CKLF	NM_016326.2	NM_016326.2	51192
NUDT16P	NR_002949.1	NR_002949.1	152195
LOC653505	XM_927767.2	XM_927767.2	653505
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PBLD	NM_022129.3	NM_022129.3	64081
S100A6	NM_014624.3	NM_014624.3	6277
ZNF786	NM_152411.1	NM_152411.1	136051
FAM101B	XM_001126665.1	XM_001126665.1	359845
FAM101B	NM_182705.2	NM_182705.2	359845
ZNF354A	NM_005649.2	NM_005649.2	6940
S100A9	NM_002965.3	NM_002965.3	6280
LOC440160	XM_498571.2	XM_498571.2	440160
OGFRL1	NM_024576.3	NM_024576.3	79627
RBP7	NM_052960.1	NM_052960.1	116362
C22ORF34	NM_001039473.1	NM_001039473.1	348645
PVRL2	NM_002856.2	NM_002856.2	5819
FLJ31951	NM_144726.1	NM_144726.1	153830
HAL	NM_002108.2	NM_002108.2	3034
ARSG	NM_014960.2	NM_014960.2	22901
USP10	NM_005153.2	NM_005153.2	9100
CSF2RA	XM_942501.1	XM_942501.1	1438
DKFZP564K142	NM_032121.3	NM_032121.3	84061
EXOC8	NM_175876.3	NM_175876.3	149371
PPARBP	NM_004774.2	NM_004774.2	5469
DHRS8	XM_001132265.1	XM_001132265.1	51170
LOC728575	XM_001127825.1	XM_001127825.1	728575
LTB4R	NM_181657.1	NM_181657.1	1241
HK2	NM_000189.4	NM_000189.4	3099
LOC402176	NM_001011538.1	NM_001011538.1	402176
LMTK2	NM_014916.2	NM_014916.2	22853
TACC3	NM_006342.1	NM_006342.1	10460
LY96	NM_015364.2	NM_015364.2	23643
B2M	NM_004048.2	NM_004048.2	567
C12ORF35	NM_018169.2	NM_018169.2	55196
HECTD2	NM_173497.1	NM_173497.1	143279
TNRC6B	NM_001024843.1	NM_001024843.1	23112
ZKSCAN1	NM_003439.1	NM_003439.1	7586
FCGR3B	NM_000570.2	NM_000570.2	2215
CREB5	NM_001011666.1	NM_001011666.1	9586
IL17RA	NM_014339.4	NM_014339.4	23765
PTPRN2	NM_130843.1	NM_130843.1	5799
RNF130	NM_018434.4	NM_018434.4	55819

TNNI2	NM_003282.2	NM_003282.2	7136
S100A8	NM_002964.3	NM_002964.3	6279
FOLR3	NM_000804.2	NM_000804.2	2352
ANKRD30B	NM_001029862.1	NM_001029862.1	374860
CDK5R1	NM_003885.2	NM_003885.2	8851
TLR1	NM_003263.3	NM_003263.3	7096
KIAA1618	NM_020954.2	NM_020954.2	57714
RPL26	NM_000987.3	NM_000987.3	6154
ORM2	NM_000608.2	NM_000608.2	5005
CEP152	NM_014985.1	NM_014985.1	22995
LOC653316	XM_933119.1	XM_933119.1	653316
PPM1B	NM_001033556.1	NM_001033556.1	5495
KLF6	NM_001300.4	NM_001300.4	1316
CYSLTR1	NM_006639.2	NM_006639.2	10800
LOC644033	XM_927280.1	XM_927280.1	644033
YRDC	NM_024640.3	NM_024640.3	79693
CYP4F3	NM_000896.1	NM_000896.1	4051
PHACTR1	NM_030948.1	NM_030948.1	221692
PCMTD1	NM_052937.1	NM_052937.1	115294
FLJ34047	NM_173669.1	NM_173669.1	285696
RPS29	NM_001032.3	NM_001032.3	6235
CEP27	NM_018097.1	NM_018097.1	55142
LOC644964	XM_928041.1	XM_928041.1	644964
GOLGA2	NM_004486.4	NM_004486.4	2801
LOC643284	XM_928180.1	XM_928180.1	643284
UPF2	NM_015542.2	NM_015542.2	26019
RN7SK	NR_001445.1	NR_001445.1	125050
UTY	NM_007125.3	NM_007125.3	7404
PPP1R12A	NM_002480.1	NM_002480.1	4659
RAB3GAP1	NM_012233.1	NM_012233.1	22930
C14ORF102	NM_017970.2	NM_017970.2	55051
FCAR	NM_133279.1	NM_133279.1	2204
OSCAR	NM_130771.2	NM_130771.2	126014
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PHF3	NM_015153.1	NM_015153.1	23469
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PSCDBP	NM_004288.3	NM_004288.3	9595
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RCSD1	NM_052862.2	NM_052862.2	92241

CSF2RA	NM_172246.1	NM_172246.1	1438
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STX10	NM_003765.1	NM_003765.1	8677
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ANKRD44	NM_153697.1	NM_153697.1	91526
HEBP2	NM_014320.2	NM_014320.2	23593
EIF2AK4	NM_001013703.2	NM_001013703.2	440275
RPL23	NM_000978.3	NM_000978.3	9349
CYORF15B	NM_032576.2	NM_032576.2	84663
LOC647691	XM_936748.1	XM_936748.1	647691
TNFSF13B	NM_006573.3	NM_006573.3	10673
FADD	NM_003824.2	NM_003824.2	8772
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PNMA6A	NM_032882.2	NM_032882.2	84968
LOC643509	XM_928156.1	XM_928156.1	643509
SRGN	NM_002727.2	NM_002727.2	5552
EOMES	NM_005442.2	NM_005442.2	8320
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ENSA	NM_207168.1	NM_207168.1	2029
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HIF1A	NM_001530.2	NM_001530.2	3091
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ARPC5	NM_005717.2	NM_005717.2	10092
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CLEC4E	NM_014358.2	NM_014358.2	26253
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IL18	NM_001562.2	NM_001562.2	3606
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CHD7	NM_017780.2	NM_017780.2	55636
CDH2	NM_001792.2	NM_001792.2	1000
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OSBPL8	NM_001003712.1	NM_001003712.1	114882
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IL8RB	NM_001557.2	NM_001557.2	3579
ASB8	NM_024095.3	NM_024095.3	140461
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PNMA3	NM_013364.3	NM_013364.3	29944
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DTX3L	NM_138287.2	NM_138287.2	151636
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TGM3	NM_003245.2	NM_003245.2	7053
NOV	NM_002514.2	NM_002514.2	4856
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ADD3	NM_016824.3	NM_016824.3	120
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CRISPLD2	NM_031476.1	NM_031476.1	83716
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DJ341D10.1	NM_001007535.1	NM_001007535.1	286453
FBXL13	NM_145032.2	NM_145032.2	222235
BTAF1	NM_003972.2	NM_003972.2	9044
MLX	NM_170607.2	NM_170607.2	6945
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COX7B	NM_001866.2	NM_001866.2	1349
POU2F1	NM_002697.2	NM_002697.2	5451
LOC729853	XM_001134256.1	XM_001134256.1	729853
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TTY15	NR_001545.1	NR_001545.1	64595
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ALOX5AP	NM_001629.2	NM_001629.2	241
PSMB9	NM_148954.2	NM_148954.2	5698
MCM8	NM_182802.1	NM_182802.1	84515
SRPK1	NM_003137.3	NM_003137.3	6732
CMTM2	NM_144673.2	NM_144673.2	146225
MOSC1	NM_022746.2	NM_022746.2	64757
IBRDC2	NM_182757.2	NM_182757.2	255488
ANKRD22	NM_144590.1	NM_144590.1	118932
CUGBP2	NM_001025077.1	NM_001025077.1	10659
LOC648226	XM_938919.1	XM_938919.1	648226
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PADI4	NM_012387.1	NM_012387.1	23569
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GI	Accession	Symbol	Protein_Product	Array_Address_Id	Probe_Type	Probe_Start
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89027574	XM_935575.1	LOC641825	XP_940668.1	3180246	S	121
89037316	XM_378454.3	LOC283547	XP_378454.2	870575	A	4193
89028557	XM_943677.1	LOC654053	XP_948770.1	7400592	S	941
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89037157	XM_943048.1	LOC647834	XP_948141.1	2600669	S	2498
89036737	XR_000601.1	FLJ37307		5490440	A	3986
89040587	XM_941963.1	LOC649754	XP_947056.1	70041	A	190
89025371	XM_930545.1	FLJ43663	XP_935638.1	3930180	A	1437
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77020264	NR_002569.1	SCARNA9		840639	S	46
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51468125	XM_498474			2030673	S	1607
27845617	BX103256			2760114	S	199
34528764	AK123264			6270605	S	2211
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71565158	NM_001031.4	RPS28	NP_001022.1	7510672	S	329
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31542670	NM_018368.2	LMBRD1	NP_060838.2	4590301	S	1576
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22095361	NM_022343.2	C9orf19	NP_071738.1	4280253	S	1778
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20127653	NM_032753.2	RAXL1	NP_116142.1	3830382	S	2182
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67782352	NM_002231.3	CD82	NP_002222.1	6770594	A	1323
62422568	NM_006234.4	POLR2J	NP_006225.1	4810594	S	627
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31542241	NM_017917.2	PPP2R3C	NP_060387.2	2760110	S	1264
7657135	NM_014373.1	GPR160	NP_055188.1	6180427	S	1437
8922900	NM_018340.1	FLJ11151	NP_060810.1	7550519	S	2496
23957679	NM_153615.1	Rgr	NP_705843.1	3440253	S	2648
32129213	NM_019065.2	EFCBP2	NP_061938.2	6770669	S	1468
53832004	NM_000721.2	CACNA1E	NP_000712.2	2760452	S	9561
91199539	NM_000108.3	DLD	NP_000099.2	1690671	S	1675
16936537	NM_005148.2	UNC119	NP_005139.1	1570164	A	1267
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1.17E+08	NM_016056.2	TMBIM4	NP_057140.2	5270356	S	610
58331181	NM_015626.8	WSB1	NP_056441.6	6650575	A	2671
24308302	NM_030645.1	SH3BP5L	NP_085148.1	7320112	S	2889
14149626	NM_006313.1	USP15	NP_006304.1	70767	S	4159
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61743931	NM_022476.2	AKTIP	NP_071921.1	2360414	A	1431
30794215	NM_030961.1	TRIM56	NP_112223.1	1780647	S	3115
5174422	NM_006023.1	CDC123	NP_006014.1	6110379	S	1191
19923351	NM_006167.2	NKX3-1	NP_006158.2	4670735	S	2969
12232394	NM_022737.1	LPPR2	NP_073574.1	3140274	S	2354
38327657	NM_198596.1	SULF2	NP_940998.1	5270762	A	3335
55953128	NM_001550.2	IFRD1	NP_001541.2	3780243	A	1957
1.13E+08	XM_001128769.1	LOC728825	XP_001128769.1	3060348	S	35
19387853	NM_032536.1	NTNG2	NP_115925.1	6270382	S	2101
88959061	XM_937277.1	LOC391475	XP_942370.1	2630253	A	601
72534731	NM_001031719.1	DHRS12	NP_001026889.1	4890114	A	562
24429563	NM_002604.1	PDE7A	NP_002595.1	6960221	I	2530
4505226	NM_002432.1	MNDA	NP_002423.1	6380228	S	1318
1.18E+08	NM_005224.2	ARID3A	NP_005215.1	4260446	S	2546
54291711	NM_001005852.1	CYorf15A	NP_001005852.1	2190192	S	1688
40068058	NM_004882.3	CIR	NP_004873.3	2640088	A	1294
1.15E+08	NM_001048210.1	CLCC1	NP_001041675.1	20674	S	4235
22035666	NM_005749.2	TOB1	NP_005740.1	2470477	S	892
17986251	NM_004510.2	SP110	NP_004501.2	70338	A	1274
27436949	NM_005573.2	LMNB1	NP_005564.1	4900048	S	2443
34577051	NM_005242.3	F2RL1	NP_005233.3	5690201	S	2245
89063135	XM_942097.1	LOC652578	XP_947190.1	3180192	S	537

8923529	NM_017881.1	C9orf95	NP_060351.1	7320079	S	1013
56786142	NM_016245.2	HSD17B11	NP_057329.1	2190475	I	465
61966904	NM_001013725.1	LOC441268	NP_001013747.1	3840102	S	2048
5174678	NM_006065.1	SIRPB1	NP_006056.1	1570402	S	3692
4557879	NM_000416.1	IFNGR1	NP_000407.1	1500446	S	1771
88943153	XM_934022.1	NBPF9	XP_939115.1	6270324	I	582
8923664	NM_017949.1	CUEDC1	NP_060419.1	2680725	S	2114
56549635	NM_001008491.1	Septin 2	NP_001008491.1	780431	I	352
37577120	NM_080387.4	CLEC4D	NP_525126.2	3990328	S	1551
1.13E+08	XR_016005.1	LOC731706		4180564	S	466
4506264	NM_000963.1	PTGS2	NP_000954.1	1470682	S	3943
96975134	NM_130781.2	RAB24	NP_570137.2	4730156	A	1124
1.16E+08	NM_007288.2	MME	NP_009219.2	240608	A	5051
56550123	NM_016327.2	UPB1	NP_057411.1	7160367	S	1915
21327700	NM_139215.1	TAF15	NP_631961.1	5960128	A	1913
34850482	NR_001568.1	BCYRN1		2450154	S	57
38373676	NM_198679.1	RAPGEF1	NP_941372.1	6100576	I	65
17865815	NM_078488.1	VNN2	NP_511043.1	5570673	A	1770
50363225	NM_052863.2	SCGB3A1	NP_443095.2	2060543	S	221
1.13E+08	XM_941155.2	LOC651894	XP_946248.1	1570750	S	7
34147686	NM_018561.3	USP49	NP_061031.2	7320088	S	2818
50592993	NM_003329.2	TXN	NP_003320.2	830762	S	43
21359910	NM_016361.2	ACP6	NP_057445.2	3180376	S	1595
89040641	XM_944417.1	LOC650919	XP_949510.1	4250543	S	1385
47157329	NM_004157.2	PRKAR2A	NP_004148.1	4900593	S	2304
20149601	NM_012229.2	NT5C2	NP_036361.1	520647	S	3272
33149315	NM_181889.1	UBE2D3	NP_871618.1	4640110	A	2052
1.24E+08	NM_002586.4	PBX2	NP_002577.2	5550500	S	3106
64762405	NM_006212.2	PFKFB2	NP_006203.2	3190326	I	6815
22749366	NM_152680.1	TMEM154	NP_689893.1	7650379	S	2498
47575843	NM_015335.2	THRAP2	NP_056150.1	1990332	S	9174
1.19E+08	NM_177924.2	ASAH1	NP_808592.1	840161	I	261
40807490	NM_001995.2	ACSL1	NP_001986.2	4880717	S	3553
42560239	NM_002785.2	PSG11	NP_002776.2	3400292	I	413
29789109	NM_020698.1	TMCC3	NP_065749.1	2650152	S	4505
1.18E+08	NR_003260.1	C15orf51		5910131	I	3782
40317625	NM_003246.2	THBS1	NP_003237.2	5910376	S	4947
38679889	NM_180991.4	SLCO4C1	NP_851322.3	770717	S	4454
11024697	NM_012215.1	MGEA5	NP_036347.1	1010402	S	4955
19923769	NM_021958.2	HLX1	NP_068777.1	1400706	S	1612
38327656	NM_018837.2	SULF2	NP_061325.1	1850056	I	2862
31543547	NM_016090.2	RBM7	NP_057174.1	5390326	S	1656
94538326	NM_002038.3	IFI6	NP_002029.3	4390176	A	743
1.13E+08	XM_941155.2	LOC651894	XP_946248.1	5130273	S	131
88947652	XM_944915.1	PTP4A2	XP_950008.1	5360603	I	2364
39753969	NM_004345.3	CAMP	NP_004336.2	6400736	S	644
21166386	NM_003524.2	HIST1H2BH	NP_003515.1	5720433	S	352
7706185	NM_016639.1	TNFRSF12A	NP_057723.1	2190008	S	634

22748622	NM_152266.1	C19orf40	NP_689479.1	7150189	S	676
58219057	NM_001010915.1	PTPLAD2	NP_001010915.1	1470091	S	3665
21536300	NM_139266.1	STAT1	NP_644671.1	3190133	I	2595
1.13E+08	XM_001134072.1	PSMD12	XP_001134072.1	1440131	I	2849
53829378	NM_001005376.1	PLAUR	NP_001005376.1	6130594	I	1107
89039665	XM_933375.1	LOC646064	XP_938468.1	2450014	S	1382
56788410	NM_001008699.1	IL4R	NP_001008699.1	1770678	I	962
38045951	NM_021030.2	ZNF14	NP_066358.2	2340674	S	2358
5031608	NM_005881.1	BCKDK	NP_005872.1	5390056	S	1742
31563433	NM_181301.1	CMTM1	NP_851818.1	4830017	A	704
94721245	NM_001632.3	ALPP	NP_001623.3	4230088	S	2672
9790904	NM_001924.2	GADD45A	NP_001915.1	3140239	S	659
12545396	NM_022308.1	ICA1	NP_071683.1	6560411	I	543
1.09E+08	NM_007098.2	CLTCL1	NP_009029.2	5090026	I	4593
71772593	NM_001032.3	RPS29	NP_001023.1	1990753	A	63
88943486	XM_928387.1	LOC653610	XP_933480.1	5670544	S	713
33188448	NM_182692.1	SRPK2	NP_872634.1	2350072	I	107
47717135	NM_020666.2	CLK4	NP_065717.1	6510110	S	2086
1.13E+08	XR_019071.1	LOC642333		1010296	A	611
1.16E+08	NM_000902.3	MME	NP_000893.2	2360400	I	28
71037378	NM_002863.3	PYGL	NP_002854.3	4610113	S	2494
17572806	NM_031916.2	ROPN1L	NP_114122.2	1050240	S	740
38327621	NM_007005.3	TLE4	NP_008936.2	6290170	S	4048
19923332	NM_005687.2	FARSLB	NP_005678.2	460128	S	2992
1.13E+08	XM_938906.2	LOC649841	XP_943999.2	4830300	S	644
63054841	NM_001017431.1	RBM3	NP_001017431.1	7380612	A	346
1.13E+08	XR_017837.1	LOC440926		4590593	A	143
53759100	NM_001548.2	IFIT1	NP_001539.2	6220673	I	108
89027425	XM_935827.1	LOC442609	XP_940920.1	5360300	A	2603
74319832	NM_004654.3	USP9Y	NP_004645.2	6290398	S	9257
1.13E+08	XR_018616.1	LOC400721		5890162	S	5744
37675384	NM_197953.1	CLEC7A	NP_922944.1	1090170	A	43
91208440	NM_003864.3	SAP30	NP_003855.1	2510133	S	873
33188426	NM_182659.1	UTY	NP_872600.1	5310196	I	4730
94538348	NM_053024.3	PFN2	NP_444252.1	4210246	I	620
70167417	NM_002357.2	MXD1	NP_002348.1	2260239	S	5318
7705854	NM_016142.1	HSD17B12	NP_057226.1	3290411	S	1747
54607092	NM_016047.3	SF3B14	NP_057131.1	1410315	S	199
89060764	XM_937928.1	LOC347376	XP_943021.1	5900072	A	1
75905486	NM_001033658.1	LOC283152	NP_001028830.1	4810324	A	314
62952497	NM_020397.2	CAMK1D	NP_065130.1	3930653	I	1347
1.13E+08	XR_017611.1	LOC653635		2480278	S	2417
4506102	NM_002759.1	EIF2AK2	NP_002750.1	1190349	S	2728
1.1E+08	NM_018688.4	BIN3	NP_061158.1	7550392	S	1578
29550859	NM_022130.3	GOLPH3	NP_071413.1	4780114	S	2120
50511938	NM_001002269.1	EXOSC3	NP_001002269.1	1980743	A	721
59933283	NM_001012391.1	RUNDC2B	NP_001012391.1	4780064	I	1140
89028499	XM_942939.1	LOC647499	XP_948032.1	6560128	I	589

1.13E+08	XM_927706.2	LOC644591	XP_932799.1	1510196	S	3719
4506516	NM_002923.1	RGS2	NP_002914.1	5690500	S	865
88953414	XM_934113.1	LOC653489	XP_939206.1	3890053	I	5975
89028131	XM_928866.1	LOC645895	XP_933959.1	7570673	S	83
4758439	NM_004877.1	GMFG	NP_004868.1	4250452	S	469
89059772	XM_928047.1	LOC644969	XP_933140.1	2600187	S	1
10092611	NM_016326.2	CKLF	NP_057410.1	2000551	A	174
91598583	NR_002949.1	NUDT16P		6420402	S	1354
1.13E+08	XM_927767.2	LOC653505	XP_932860.1	160494	S	3717
4505416	NM_000904.1	NQO2	NP_000895.1	870400	S	621
74316007	NM_022129.3	PBLD	NP_071412.2	1340474	I	2137
52352807	NM_014624.3	S100A6	NP_055439.1	1500553	S	527
22748870	NM_152411.1	ZNF786	NP_689624.1	4200541	S	3091
1.13E+08	XM_001126665.1	FAM101B	XP_001126665.1	2350093	S	5
1.16E+08	NM_182705.2	FAM101B	NP_874364.1	940246	S	292
37537688	NM_005649.2	ZNF354A	NP_005640.2	2850670	S	2312
1.15E+08	NM_002965.3	S100A9	NP_002956.1	830400	S	506
88957838	XM_498571.2	LOC440160	XP_498571.2	1190731	S	115
55770901	NM_024576.3	OGFRL1	NP_078852.3	2750315	S	1038
16418454	NM_052960.1	RBP7	NP_443192.1	4810131	S	421
87080804	NM_001039473.1	C22orf34	NP_001034562.1	5910682	S	1303
1.13E+08	NM_002856.2	PVRL2	NP_002847.1	2570544	S	1789
21389514	NM_144726.1	FLJ31951	NP_653327.1	2490437	S	2719
4809282	NM_002108.2	HAL	NP_002099.1	6660327	S	2301
45430056	NM_014960.2	ARSG	NP_055775.2	5420379	S	1739
1.19E+08	NM_005153.2	USP10	NP_005144.2	1980021	S	2458
89060605	XM_942501.1	CSF2RA	XP_947594.1	5340037	I	1791
40255228	NM_032121.3	DKFZp564K142	NP_115497.3	5700139	S	2093
58331103	NM_175876.3	EXOC8	NP_787072.2	5130491	S	4522
28559038	NM_004774.2	PPARBP	NP_004765.2	6760373	S	5590
1.13E+08	XM_001132265.1	DHRS8	XP_001132265.1	1570553	A	1604
1.13E+08	XM_001127825.1	LOC728575	XP_001127825.1	5270575	A	224
31881791	NM_181657.1	LTB4R	NP_858043.1	3120735	S	2942
40806188	NM_000189.4	HK2	NP_000180.2	4760768	S	6532
58372151	NM_001011538.1	LOC402176	NP_001011538.1	4050056	S	1350
38016936	NM_014916.2	LMTK2	NP_055731.2	4050040	S	5327
5454101	NM_006342.1	TACC3	NP_006333.1	2630544	S	2550
34098964	NM_015364.2	LY96	NP_056179.1	6980474	S	505
37704380	NM_004048.2	B2M	NP_004039.1	6290114	S	402
65507252	NM_018169.2	C12orf35	NP_060639.2	3310446	S	5367
27735098	NM_173497.1	HECTD2	NP_775768.1	2230408	I	1864
67782329	NM_001024843.1	TNRC6B	NP_001020014.1	2600386	A	15415
55769563	NM_003439.1	ZKSCAN1	NP_003430.1	1580187	S	5035
50355969	NM_000570.2	FCGR3B	NP_000561.2	3990360	S	1450
59938775	NM_001011666.1	CREB5	NP_001011666.1	4220026	I	40
94538364	NM_014339.4	IL17RA	NP_055154.3	3870110	S	2932
19743913	NM_130843.1	PTPRN2	NP_570858.1	6580717	A	4200
38176162	NM_018434.4	RNF130	NP_060904.2	5670603	S	1503

50593000	NM_003282.2	TNNI2	NP_003273.1	6350142	S	274
21614543	NM_002964.3	S100A8	NP_002955.2	6280576	S	253
9257219	NM_000804.2	FOLR3	NP_000795.2	2230601	S	759
71143157	NM_001029862.1	ANKRD30B	NP_001025033.1	1690184	I	2942
34304373	NM_003885.2	CDK5R1	NP_003876.1	770484	S	3133
41350336	NM_003263.3	TLR1	NP_003254.2	5080398	S	2736
66529202	NM_020954.2	KIAA1618	NP_066005.2	4570561	I	4774
78190467	NM_000987.3	RPL26	NP_000978.1	2000025	S	57
40807473	NM_000608.2	ORM2	NP_000599.1	6370202	S	473
55775476	NM_014985.1	CEP152	NP_055800.1	3930370	S	4067
88986346	XM_933119.1	LOC653316	XP_938212.1	7320170	I	1162
75813617	NM_001033556.1	PPM1B	NP_001028728.1	3450026	I	1448
56550115	NM_001300.4	KLF6	NP_001291.3	5260397	I	1330
29029598	NM_006639.2	CYSLTR1	NP_006630.1	4810204	S	1218
89027700	XM_927280.1	LOC644033	XP_932373.1	4290669	S	283
58761509	NM_024640.3	YRDC	NP_078916.3	1340491	S	1263
4503240	NM_000896.1	CYP4F3	NP_000887.1	650164	S	4625
54144630	NM_030948.1	PHACTR1	NP_112210.1	3800095	S	1803
24308385	NM_052937.1	PCMTD1	NP_443169.1	240037	S	3666
27734690	NM_173669.1	FLJ34047	NP_775940.1	4850735	S	2829
71772593	NM_001032.3	RPS29	NP_001023.1	5960026	I	194
8922429	NM_018097.1	CEP27	NP_060567.1	3850524	S	1256
89050223	XM_928041.1	LOC644964	XP_933134.1	70221	S	430
47078236	NM_004486.4	GOLGA2	NP_004477.2	5390445	S	3921
89029829	XM_928180.1	LOC643284	XP_933273.1	4230615	S	68
18375674	NM_015542.2	UPF2	NP_056357.1	2230307	I	5
31455612	NR_001445.1	RN7SK		5080673	S	257
33188430	NM_007125.3	UTY	NP_009056.3	5420224	I	6354
4505316	NM_002480.1	PPP1R12A	NP_002471.1	4180280	S	4479
55743117	NM_012233.1	RAB3GAP1	NP_036365.1	6330561	S	3989
39932582	NM_017970.2	C14orf102	NP_060440.2	3140358	I	161
19743870	NM_133279.1	FCAR	NP_579813.1	6860239	I	1361
45580712	NM_130771.2	OSCAR	NP_570127.2	2190609	A	983
41393558	NM_183416.2	KIF1B	NP_904325.2	3170719	I	5646
7662017	NM_015153.1	PHF3	NP_055968.1	2510687	S	6079
89027419	XM_935802.1	LOC653829	XP_940895.1	7100044	A	3711
88702790	NM_002393.2	MDM4	NP_002384.2	4490671	S	2032
24475703	NM_025209.2	EPC1	NP_079485.1	2680010	S	2756
62739174	NM_003610.3	RAE1	NP_003601.1	4850138	A	1662
47933391	NM_004288.3	PSCDBP	NP_004279.3	5390195	S	1719
89035399	XM_931879.1	LOC643882	XP_936972.1	3180482	S	1616
38570153	NM_012279.2	ZNF346	NP_036411.1	3420373	S	2662
31982907	NM_130469.2	JDP2	NP_569736.1	3180379	S	1608
68226419	NM_001024938.1	SLC2A11	NP_001020109.1	2750091	A	1397
58531218	NM_001011547.1	SLC5A9	NP_001011547.1	70270	S	2889
1.13E+08	XM_001128558.1	LOC730740	XP_001128558.1	4920408	S	228
5032058	NM_005621.1	S100A12	NP_005612.1	10279	S	241
31377636	NM_052862.2	RCSD1	NP_443094.2	3140280	S	2692

27437033	NM_172246.1	CSF2RA	NP_758449.1	4150246	A	1244
1.18E+08	NR_003264.1	SDHALP1		6420674	I	10150
46559738	NM_207337.1	AMN1	NP_997220.1	3990719	S	1629
13194198	NM_023003.1	TM6SF1	NP_075379.1	10541	S	964
13129023	NM_024054.1	C7orf25	NP_076959.1	4570397	S	1351
1.13E+08	XM_371820.5	FLJ90086	XP_371820.5	5050181	A	4017
52851404	NM_003898.2	SYNJ2	NP_003889.1	5900592	S	6404
4507284	NM_003765.1	STX10	NP_003756.1	3190681	S	685
62865648	NM_001017368.1	RFFL	NP_001017368.1	5870551	A	3411
21361994	NM_024876.2	ADCK4	NP_079152.3	1690221	S	1907
68160936	NM_005082.4	TRIM25	NP_005073.2	2850576	S	5462
24233529	NM_153697.1	ANKRD44	NP_710181.1	4730377	S	2988
41393567	NM_014320.2	HEBP2	NP_055135.1	5090184	S	804
65287716	NM_001013703.2	EIF2AK4	NP_001013725.2	3370471	S	5290
78190459	NM_000978.3	RPL23	NP_000969.1	4120707	S	321
50355980	NM_032576.2	CYorf15B	NP_115965.1	4730458	S	4976
88987903	XM_936748.1	LOC647691	XP_941841.1	2970600	S	3
23510443	NM_006573.3	TNFSF13B	NP_006564.1	460608	S	634
22219473	NM_003824.2	FADD	NP_003815.1	1940035	S	1558
56682942	NM_130782.2	RGS18	NP_570138.1	1240438	S	1787
73747916	NM_018833.2	TAP2	NP_061313.2	1780528	A	1448
31543155	NM_032882.2	PNMA6A	NP_116271.1	6760270	S	1892
89047114	XM_928156.1	LOC643509	XP_933249.1	70286	A	2564
45935370	NM_002727.2	SRGN	NP_002718.2	650541	S	482
22538469	NM_005442.2	EOMES	NP_005433.2	6760075	S	2643
23110934	NM_148976.1	PSMA1	NP_683877.1	20451	I	233
46389561	NM_207168.1	ENSA	NP_997051.1	1110685	A	236
13376242	NM_024834.1	C10orf119	NP_079110.1	4830192	S	4030
31077212	NM_001530.2	HIF1A	NP_001521.1	2850288	I	2496
61742780	NM_019610.3	RBMXL1	NP_062556.2	5080093	S	3210
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Probe_Chr_Orientation**Probe_Coordinates**

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Definition

PREDICTED: Homo sapiens region containing similar to Williams Beuren syndrome chromosome region 19; hyp

PREDICTED: Homo sapiens hypothetical protein LOC642035 (LOC642035), mRNA.

PREDICTED: Homo sapiens hypothetical protein LOC641825 (LOC641825), mRNA.

PREDICTED: Homo sapiens hypothetical protein LOC283547 (LOC283547), mRNA.

PREDICTED: Homo sapiens similar to hypothetical LOC389634 (LOC654053), mRNA.

PREDICTED: Homo sapiens hypothetical LOC440731, transcript variant 2 (LOC440731), mRNA.

PREDICTED: Homo sapiens hypothetical protein LOC647834 (LOC647834), mRNA.

PREDICTED: Homo sapiens hypothetical protein FLJ37307 (FLJ37307), misc RNA.

PREDICTED: Homo sapiens hypothetical protein LOC649753, transcript variant 1 (LOC649754), mRNA.

PREDICTED: Homo sapiens hypothetical protein FLJ43663, transcript variant 2 (FLJ43663), mRNA.

PREDICTED: Homo sapiens hypothetical protein FLJ12078 (FLJ12078), misc RNA.

PREDICTED: Homo sapiens hypothetical protein FLJ39639 (FLJ39639), mRNA.

Homo sapiens small Cajal body-specific RNA 9 (SCARNA9) on chromosome 11.

UI-H-BI3-akp-h-05-0-UI.s1 NCI_CGAP_Sub5 Homo sapiens cDNA clone IMAGE:2735097 3, mRNA sequence

Homo sapiens cDNA: FLJ23098 fis, clone LNG07440

PREDICTED: Homo sapiens hypothetical LOC389089 (LOC389089), mRNA

Homo sapiens clone KU010717 unknown mRNA

Homo sapiens cDNA: FLJ22140 fis, clone HEP20977

UI-CF-FN0-afp-n-21-0-UI.s1 UI-CF-FN0 Homo sapiens cDNA clone UI-CF-FN0-afp-n-21-0-UI 3, mRNA sequence

603071853F1 NIH_MGC_119 Homo sapiens cDNA clone IMAGE:5163756 5, mRNA sequence

PREDICTED: Homo sapiens hypothetical gene supported by AY007155 (LOC439949), mRNA

BX103256 Soares_parathyroid_tumor_NbHPA Homo sapiens cDNA clone IMAGp998J244235, mRNA sequence

Homo sapiens cDNA FLJ41270 fis, clone BRAMY2036387

Homo sapiens thioredoxin (TXN), mRNA.

Homo sapiens ribosomal protein S28 (RPS28), mRNA.

Homo sapiens growth arrest and DNA-damage-inducible, gamma (GADD45G), mRNA.

Homo sapiens ribosomal protein S16 (RPS16), mRNA.

Homo sapiens ATP-binding cassette, sub-family C (CFTR/MRP), member 5 (ABCC5), transcript variant 2, mRNA

Homo sapiens guanine nucleotide binding protein (G protein), gamma 10 (GNG10), mRNA.

Homo sapiens LMBR1 domain containing 1 (LMBRD1), mRNA.

PREDICTED: Homo sapiens similar to 40S ribosomal protein S29 (LOC647361), mRNA.

Homo sapiens chromosome 9 open reading frame 19 (C9orf19), mRNA.

Homo sapiens ribosomal protein S6 kinase, 90kDa, polypeptide 3 (RPS6KA3), mRNA.

Homo sapiens retina and anterior neural fold homeobox like 1 (RAXL1), mRNA.

PREDICTED: Homo sapiens similar to Ssu72 RNA polymerase II CTD phosphatase homolog (LOC390033), mRNA

Homo sapiens pre-B-cell colony enhancing factor 1 (PBEF1), mRNA.

PREDICTED: Homo sapiens hypothetical protein LOC644250 (LOC644250), mRNA.

Homo sapiens transmembrane protein induced by tumor necrosis factor alpha (TMPIT), mRNA.

Homo sapiens plasminogen activator, urokinase (PLAU), mRNA.

Homo sapiens protein phosphatase 2 (formerly 2A), regulatory subunit B", alpha (PPP2R3A), transcript variant

Homo sapiens zyg-11 homolog B (C. elegans) (ZYG11B), mRNA.

Homo sapiens CD82 molecule (CD82), transcript variant 1, mRNA.

Homo sapiens polymerase (RNA) II (DNA directed) polypeptide J, 13.3kDa (POLR2J), mRNA.

Homo sapiens hypothetical protein LOC284757 (LOC284757), mRNA.

Homo sapiens KIAA0319 (KIAA0319), mRNA.

Homo sapiens ribosomal protein S6 kinase, 90kDa, polypeptide 5 (RPS6KA5), transcript variant 1, mRNA.

Homo sapiens multiple EGF-like-domains 9 (MEGF9), mRNA.

PREDICTED: Homo sapiens hypothetical LOC644852, transcript variant 2 (LOC644852), mRNA.

PREDICTED: Homo sapiens similar to CXYorf1-related protein (LOC653635), mRNA.

Homo sapiens histone cluster 2, H2aa3 (HIST2H2AA3), mRNA.

Homo sapiens thioredoxin-like 5 (TXNL5), mRNA.

PREDICTED: Homo sapiens similar to hypothetical protein MGC40405, transcript variant 1 (LOC653158), mRNA.

PREDICTED: Homo sapiens p21 (CDKN1A)-activated kinase 2 (PAK2), mRNA.

Homo sapiens ribosomal protein S27 (metallopanstimulin 1) (RPS27), mRNA.

Homo sapiens G protein-coupled receptor 177 (GPR177), transcript variant 2, mRNA.

PREDICTED: Homo sapiens similar to eukaryotic translation initiation factor 3, subunit 8, transcript variant 12 (LOC646424), mRNA.

Homo sapiens colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage) (CSF2RA), transcript variant 1, mRNA.

PREDICTED: Homo sapiens hypothetical LOC646424 (LOC646424), mRNA.

Homo sapiens zinc finger, MYM-type 2 (ZMYM2), mRNA.

Homo sapiens protein phosphatase 2 (formerly 2A), regulatory subunit B'', gamma (PPP2R3C), mRNA.

Homo sapiens G protein-coupled receptor 160 (GPR160), mRNA.

Homo sapiens hypothetical protein FLJ11151 (FLJ11151), mRNA.

Homo sapiens Ral-GDS related protein Rgr (Rgr), mRNA.

Homo sapiens EF-hand calcium binding protein 2 (EFCBP2), mRNA.

Homo sapiens calcium channel, voltage-dependent, R type, alpha 1E subunit (CACNA1E), mRNA.

Homo sapiens dihydrolipoamide dehydrogenase (DLD), mRNA.

Homo sapiens unc-119 homolog (C. elegans) (UNC119), transcript variant 1, mRNA.

PREDICTED: Homo sapiens similar to H3 histone, family 2 isoform 2 (LOC653604), mRNA.

Homo sapiens transmembrane BAX inhibitor motif containing 4 (TMBIM4), mRNA.

Homo sapiens WD repeat and SOCS box-containing 1 (WSB1), transcript variant 1, mRNA.

Homo sapiens SH3-binding domain protein 5-like (SH3BP5L), mRNA.

Homo sapiens ubiquitin specific peptidase 15 (USP15), mRNA.

PREDICTED: Homo sapiens similar to SMT3 suppressor of mif two 3 homolog 2 (LOC390466), mRNA.

Homo sapiens AKT interacting protein (AKTIP), transcript variant 2, mRNA.

Homo sapiens tripartite motif-containing 56 (TRIM56), mRNA.

Homo sapiens cell division cycle 123 homolog (S. cerevisiae) (CDC123), mRNA.

Homo sapiens NK3 transcription factor related, locus 1 (Drosophila) (NKX3-1), mRNA.

Homo sapiens lipid phosphate phosphatase-related protein type 2 (LPPR2), mRNA.

Homo sapiens sulfatase 2 (SULF2), transcript variant 2, mRNA.

Homo sapiens interferon-related developmental regulator 1 (IFRD1), transcript variant 1, mRNA.

PREDICTED: Homo sapiens similar to SMT3 suppressor of mif two 3 homolog 2 (LOC728825), mRNA.

Homo sapiens netrin G2 (NTNG2), mRNA.

PREDICTED: Homo sapiens similar to F15D3.1a (LOC391475), mRNA.

Homo sapiens dehydrogenase/reductase (SDR family) member 12 (DHRS12), transcript variant 1, mRNA.

Homo sapiens phosphodiesterase 7A (PDE7A), transcript variant 2, mRNA.

Homo sapiens myeloid cell nuclear differentiation antigen (MNDA), mRNA.

Homo sapiens AT rich interactive domain 3A (BRIGHT-like) (ARID3A), mRNA.

Homo sapiens chromosome Y open reading frame 15A (CYorf15A), mRNA.

Homo sapiens CBF1 interacting corepressor (CIR), mRNA.

Homo sapiens chloride channel CLIC-like 1 (CLCC1), transcript variant 1, mRNA.

Homo sapiens transducer of ERBB2, 1 (TOB1), mRNA.

Homo sapiens SP110 nuclear body protein (SP110), transcript variant b, mRNA.

Homo sapiens lamin B1 (LMNB1), mRNA.

Homo sapiens coagulation factor II (thrombin) receptor-like 1 (F2RL1), mRNA.

PREDICTED: Homo sapiens similar to Fc fragment of IgG, low affinity IIIa, receptor for (CD16) (LOC652578), mRNA.

Homo sapiens chromosome 9 open reading frame 95 (C9orf95), mRNA.

Homo sapiens hydroxysteroid (17-beta) dehydrogenase 11 (HSD17B11), mRNA.

Homo sapiens hypothetical gene supported by BC044942 (LOC441268), mRNA.

Homo sapiens signal-regulatory protein beta 1 (SIRPB1), mRNA.

Homo sapiens interferon gamma receptor 1 (IFNGR1), mRNA.

PREDICTED: Homo sapiens neuroblastoma breakpoint family, member 9, transcript variant 26 (NBPF9), mRNA.

Homo sapiens CUE domain containing 1 (CUEDC1), mRNA.

Homo sapiens septin 2 (SEPT2), transcript variant 1, mRNA.

Homo sapiens C-type lectin domain family 4, member D (CLEC4D), mRNA.

PREDICTED: Homo sapiens similar to 60S ribosomal protein L21 (LOC731706), mRNA.

Homo sapiens prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase) (PTG

Homo sapiens RAB24, member RAS oncogene family (RAB24), transcript variant 2, mRNA.

Homo sapiens membrane metallo-endopeptidase (MME), transcript variant 2a, mRNA.

Homo sapiens ureidopropionase, beta (UPB1), mRNA.

Homo sapiens TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 68kDa (TAF15), tra

Homo sapiens brain cytoplasmic RNA 1, Bc1 analog (mouse) (BCYRN1) on chromosome 2.

Homo sapiens Rap guanine nucleotide exchange factor (GEF) 1 (RAPGEF1), transcript variant 2, mRNA.

Homo sapiens vanin 2 (VNN2), transcript variant 2, mRNA.

Homo sapiens secretoglobin, family 3A, member 1 (SCGB3A1), mRNA.

PREDICTED: Homo sapiens similar to ribosomal protein S12 (LOC651894), mRNA.

Homo sapiens ubiquitin specific peptidase 49 (USP49), mRNA.

Homo sapiens thioredoxin (TXN), mRNA.

Homo sapiens acid phosphatase 6, lysophosphatidic (ACP6), mRNA.

PREDICTED: Homo sapiens hypothetical protein LOC650919 (LOC650919), mRNA.

Homo sapiens protein kinase, cAMP-dependent, regulatory, type II, alpha (PRKAR2A), mRNA.

Homo sapiens 5'-nucleotidase, cytosolic II (NT5C2), mRNA.

Homo sapiens ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast) (UBE2D3), transcript variant 5, m

Homo sapiens pre-B-cell leukemia homeobox 2 (PBX2), mRNA.

Homo sapiens 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 2 (PFKFB2), transcript variant 1, mRNA.

Homo sapiens transmembrane protein 154 (TMEM154), mRNA.

Homo sapiens thyroid hormone receptor associated protein 2 (THRAP2), mRNA.

Homo sapiens N-acylsphingosine amidohydrolase (acid ceramidase) 1 (ASAH1), transcript variant 1, mRNA.

Homo sapiens acyl-CoA synthetase long-chain family member 1 (ACSL1), mRNA.

Homo sapiens pregnancy specific beta-1-glycoprotein 11 (PSG11), transcript variant 1, mRNA.

Homo sapiens transmembrane and coiled-coil domain family 3 (TMCC3), mRNA.

Homo sapiens chromosome 15 open reading frame 51 (C15orf51) on chromosome 15.

Homo sapiens thrombospondin 1 (THBS1), mRNA.

Homo sapiens solute carrier organic anion transporter family, member 4C1 (SLCO4C1), mRNA.

Homo sapiens meningioma expressed antigen 5 (hyaluronidase) (MGEA5), mRNA.

Homo sapiens H2.0-like homeobox 1 (Drosophila) (HLX1), mRNA.

Homo sapiens sulfatase 2 (SULF2), transcript variant 1, mRNA.

Homo sapiens RNA binding motif protein 7 (RBM7), mRNA.

Homo sapiens interferon, alpha-inducible protein 6 (IFI6), transcript variant 1, mRNA.

PREDICTED: Homo sapiens similar to ribosomal protein S12 (LOC651894), mRNA.

PREDICTED: Homo sapiens protein tyrosine phosphatase type IVA, member 2, transcript variant 9 (PTP4A2), m

Homo sapiens cathelicidin antimicrobial peptide (CAMP), mRNA.

Homo sapiens histone cluster 1, H2bh (HIST1H2BH), mRNA.

Homo sapiens tumor necrosis factor receptor superfamily, member 12A (TNFRSF12A), mRNA.

Homo sapiens chromosome 19 open reading frame 40 (C19orf40), mRNA.

Homo sapiens protein tyrosine phosphatase-like A domain containing 2 (PTPLAD2), mRNA.

Homo sapiens signal transducer and activator of transcription 1, 91kDa (STAT1), transcript variant beta, mRNA

PREDICTED: Homo sapiens proteasome (prosome, macropain) 26S subunit, non-ATPase, 12 (PSMD12), mRNA.

Homo sapiens plasminogen activator, urokinase receptor (PLAUR), transcript variant 2, mRNA.

PREDICTED: Homo sapiens hypothetical protein LOC646064 (LOC646064), mRNA.

Homo sapiens interleukin 4 receptor (IL4R), transcript variant 2, mRNA.

Homo sapiens zinc finger protein 14 (ZNF14), mRNA.

Homo sapiens branched chain ketoacid dehydrogenase kinase (BCKDK), mRNA.

Homo sapiens CKLF-like MARVEL transmembrane domain containing 1 (CMTM1), transcript variant 23, mRNA.

Homo sapiens alkaline phosphatase, placental (Regan isozyme) (ALPP), mRNA.

Homo sapiens growth arrest and DNA-damage-inducible, alpha (GADD45A), mRNA.

Homo sapiens islet cell autoantigen 1, 69kDa (ICA1), transcript variant 3, mRNA.

Homo sapiens clathrin, heavy chain-like 1 (CLTCL1), mRNA.

Homo sapiens ribosomal protein S29 (RPS29), transcript variant 1, mRNA.

PREDICTED: Homo sapiens similar to Histone H2A.o (H2A/o) (H2A.2) (H2a-615) (LOC653610), mRNA.

Homo sapiens SFRS protein kinase 2 (SRPK2), transcript variant 1, mRNA.

Homo sapiens CDC-like kinase 4 (CLK4), mRNA.

PREDICTED: Homo sapiens similar to M-phase phosphoprotein, mpp8 (LOC642333), mRNA.

Homo sapiens membrane metallo-endopeptidase (MME), transcript variant 1, mRNA.

Homo sapiens phosphorylase, glycogen; liver (Hers disease, glycogen storage disease type VI) (PYGL), mRNA.

Homo sapiens ropporin 1-like (ROPN1L), mRNA.

Homo sapiens transducin-like enhancer of split 4 (E(sp1) homolog, Drosophila) (TLE4), mRNA.

Homo sapiens phenylalanine-tRNA synthetase-like, beta subunit (FARSLB), mRNA.

PREDICTED: Homo sapiens similar to protein immuno-reactive with anti-PTH polyclonal antibodies (LOC64984)

Homo sapiens RNA binding motif (RNP1, RRM) protein 3 (RBM3), transcript variant 3, mRNA.

PREDICTED: Homo sapiens H3 histone, family 3A pseudogene, transcript variant 3 (LOC440926), misc RNA.

Homo sapiens interferon-induced protein with tetratricopeptide repeats 1 (IFIT1), transcript variant 2, mRNA.

PREDICTED: Homo sapiens similar to Williams Beuren syndrome chromosome region 19, transcript variant 8 (L

Homo sapiens ubiquitin specific peptidase 9, Y-linked (fat facets-like, Drosophila) (USP9Y), mRNA.

PREDICTED: Homo sapiens similar to Zinc finger protein 418 (LOC400721), mRNA.

Homo sapiens C-type lectin domain family 7, member A (CLEC7A), transcript variant 8, mRNA.

Homo sapiens Sin3A-associated protein, 30kDa (SAP30), mRNA.

Homo sapiens ubiquitously transcribed tetratricopeptide repeat gene, Y-linked (UTY), transcript variant 2, mRI

Homo sapiens profilin 2 (PFN2), transcript variant 1, mRNA.

Homo sapiens MAX dimerization protein 1 (MXD1), mRNA.

Homo sapiens hydroxysteroid (17-beta) dehydrogenase 12 (HSD17B12), mRNA.

Homo sapiens splicing factor 3B, 14 kDa subunit (SF3B14), mRNA.

PREDICTED: Homo sapiens similar to H3 histone, family 3B (LOC347376), mRNA.

Homo sapiens hypothetical protein LOC283152 (LOC283152), mRNA.

Homo sapiens calcium/calmodulin-dependent protein kinase ID (CAMK1D), transcript variant 1, mRNA.

PREDICTED: Homo sapiens similar to CXYorf1-related protein (LOC653635), mRNA.

Homo sapiens eukaryotic translation initiation factor 2-alpha kinase 2 (EIF2AK2), mRNA.

Homo sapiens bridging integrator 3 (BIN3), mRNA.

Homo sapiens golgi phosphoprotein 3 (coat-protein) (GOLPH3), mRNA.

Homo sapiens exosome component 3 (EXOSC3), transcript variant 2, mRNA.

Homo sapiens RUN domain containing 2B (RUNDC2B), mRNA.

PREDICTED: Homo sapiens similar to CG7889-PA, transcript variant 2 (LOC647499), mRNA.

PREDICTED: Homo sapiens similar to peptidylprolyl isomerase A (cyclophilin A)-like 4 (LOC644591), mRNA.
Homo sapiens regulator of G-protein signalling 2, 24kDa (RGS2), mRNA.
PREDICTED: Homo sapiens similar to Ran-binding protein 2 (RanBP2) (Nuclear pore complex protein Nup358) (LOC645895), mRNA.
PREDICTED: Homo sapiens hypothetical protein LOC645895 (LOC645895), mRNA.
Homo sapiens glia maturation factor, gamma (GMFG), mRNA.
PREDICTED: Homo sapiens similar to Ubiquinol-cytochrome c reductase complex 14 kDa protein (Complex III subunit 1) (LOC645895), mRNA.
Homo sapiens chemokine-like factor (CKLF), transcript variant 3, mRNA.
Homo sapiens nudix (nucleoside diphosphate linked moiety X)-type motif 16 pseudogene (NUDT16P) on chromosome 16 (NUDT16P), mRNA.
PREDICTED: Homo sapiens similar to peptidylprolyl isomerase A (cyclophilin A)-like 4 (LOC653505), mRNA.
Homo sapiens NAD(P)H dehydrogenase, quinone 2 (NQO2), mRNA.
Homo sapiens phenazine biosynthesis-like protein domain containing (PBLD), transcript variant 1, mRNA.
Homo sapiens S100 calcium binding protein A6 (S100A6), mRNA.
Homo sapiens zinc finger protein 786 (ZNF786), mRNA.
PREDICTED: Homo sapiens family with sequence similarity 101, member B (FAM101B), mRNA.
Homo sapiens family with sequence similarity 101, member B (FAM101B), mRNA.
Homo sapiens zinc finger protein 354A (ZNF354A), mRNA.
Homo sapiens S100 calcium binding protein A9 (S100A9), mRNA.
PREDICTED: Homo sapiens hypothetical protein LOC440160 (LOC440160), mRNA.
Homo sapiens opioid growth factor receptor-like 1 (OGFRL1), mRNA.
Homo sapiens retinol binding protein 7, cellular (RBP7), mRNA.
Homo sapiens chromosome 22 open reading frame 34 (C22orf34), mRNA.
Homo sapiens poliovirus receptor-related 2 (herpesvirus entry mediator B) (PVRL2), transcript variant alpha, n (PVRL2), mRNA.
Homo sapiens hypothetical protein FLJ31951 (FLJ31951), mRNA.
Homo sapiens histidine ammonia-lyase (HAL), mRNA.
Homo sapiens arylsulfatase G (ARSG), mRNA.
Homo sapiens ubiquitin specific peptidase 10 (USP10), mRNA.
PREDICTED: Homo sapiens colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage colony-stimulating factor receptor 2) (CSF2RA), mRNA.
Homo sapiens implantation-associated protein (DKFZp564K142), mRNA.
Homo sapiens exocyst complex component 8 (EXOC8), mRNA.
Homo sapiens PPAR binding protein (PPARBP), mRNA.
PREDICTED: Homo sapiens dehydrogenase/reductase (SDR family) member 8 (DHRS8), mRNA.
PREDICTED: Homo sapiens similar to nuclear pore membrane protein 121 (LOC728575), mRNA.
Homo sapiens leukotriene B4 receptor (LTB4R), mRNA.
Homo sapiens hexokinase 2 (HK2), mRNA.
Homo sapiens similar to 60S ribosomal protein L21 (LOC402176), mRNA.
Homo sapiens lemur tyrosine kinase 2 (LMTK2), mRNA.
Homo sapiens transforming, acidic coiled-coil containing protein 3 (TACC3), mRNA.
Homo sapiens lymphocyte antigen 96 (LY96), mRNA.
Homo sapiens beta-2-microglobulin (B2M), mRNA.
Homo sapiens chromosome 12 open reading frame 35 (C12orf35), mRNA.
Homo sapiens HECT domain containing 2 (HECTD2), transcript variant 2, mRNA.
Homo sapiens trinucleotide repeat containing 6B (TNRC6B), transcript variant 2, mRNA.
Homo sapiens zinc finger with KRAB and SCAN domains 1 (ZKSCAN1), mRNA.
Homo sapiens Fc fragment of IgG, low affinity IIIb, receptor (CD16b) (FCGR3B), mRNA.
Homo sapiens cAMP responsive element binding protein 5 (CREB5), transcript variant 4, mRNA.
Homo sapiens interleukin 17 receptor A (IL17RA), mRNA.
Homo sapiens protein tyrosine phosphatase, receptor type, N polypeptide 2 (PTPRN2), transcript variant 3, mRNA.
Homo sapiens ring finger protein 130 (RNF130), mRNA.

Homo sapiens troponin I type 2 (skeletal, fast) (TNNI2), mRNA.
Homo sapiens S100 calcium binding protein A8 (S100A8), mRNA.
Homo sapiens folate receptor 3 (gamma) (FOLR3), mRNA.
Homo sapiens ankyrin repeat domain 30B (ANKRD30B), mRNA.
Homo sapiens cyclin-dependent kinase 5, regulatory subunit 1 (p35) (CDK5R1), mRNA.
Homo sapiens toll-like receptor 1 (TLR1), mRNA.
Homo sapiens KIAA1618 (KIAA1618), mRNA.
Homo sapiens ribosomal protein L26 (RPL26), mRNA.
Homo sapiens orosomucoid 2 (ORM2), mRNA.
Homo sapiens centrosomal protein 152kDa (CEP152), mRNA.
PREDICTED: Homo sapiens similar to NY-REN-7 antigen, transcript variant 4 (LOC653316), mRNA.
Homo sapiens protein phosphatase 1B (formerly 2C), magnesium-dependent, beta isoform (PPM1B), transcript variant 1, mRNA.
Homo sapiens Kruppel-like factor 6 (KLF6), transcript variant 2, mRNA.
Homo sapiens cysteinyl leukotriene receptor 1 (CYSLTR1), mRNA.
PREDICTED: Homo sapiens similar to similar to RPL23AP7 protein (LOC644033), mRNA.
Homo sapiens yrdC domain containing (E. coli) (YRDC), mRNA.
Homo sapiens cytochrome P450, family 4, subfamily F, polypeptide 3 (CYP4F3), mRNA.
Homo sapiens phosphatase and actin regulator 1 (PHACTR1), mRNA.
Homo sapiens protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 1 (PCMTD1), mRNA.
Homo sapiens hypothetical protein FLJ34047 (FLJ34047), mRNA.
Homo sapiens ribosomal protein S29 (RPS29), transcript variant 1, mRNA.
Homo sapiens centrosomal protein 27kDa (CEP27), mRNA.
PREDICTED: Homo sapiens hypothetical protein LOC644964 (LOC644964), mRNA.
Homo sapiens golgi autoantigen, golgin subfamily a, 2 (GOLGA2), mRNA.
PREDICTED: Homo sapiens similar to 40S ribosomal protein S29 (LOC643284), mRNA.
Homo sapiens UPF2 regulator of nonsense transcripts homolog (yeast) (UPF2), transcript variant 2, mRNA.
Homo sapiens RNA, 7SK, nuclear (RN7SK) on chromosome 6.
Homo sapiens ubiquitously transcribed tetratricopeptide repeat gene, Y-linked (UTY), transcript variant 3, mRNA.
Homo sapiens protein phosphatase 1, regulatory (inhibitor) subunit 12A (PPP1R12A), mRNA.
Homo sapiens RAB3 GTPase activating protein subunit 1 (catalytic) (RAB3GAP1), mRNA.
Homo sapiens chromosome 14 open reading frame 102 (C14orf102), transcript variant 1, mRNA.
Homo sapiens Fc fragment of IgA, receptor for (FCAR), transcript variant 9, mRNA.
Homo sapiens osteoclast-associated receptor (OSCAR), transcript variant 3, mRNA.
Homo sapiens kinesin family member 1B (KIF1B), transcript variant 2, mRNA.
Homo sapiens PHD finger protein 3 (PHF3), mRNA.
PREDICTED: Homo sapiens similar to Williams Beuren syndrome chromosome region 19, transcript variant 6 (LOC643882), mRNA.
Homo sapiens Mdm4, transformed 3T3 cell double minute 4, p53 binding protein (mouse) (MDM4), mRNA.
Homo sapiens enhancer of polycomb homolog 1 (Drosophila) (EPC1), mRNA.
Homo sapiens RAE1 RNA export 1 homolog (S. pombe) (RAE1), transcript variant 1, mRNA.
Homo sapiens pleckstrin homology, Sec7 and coiled-coil domains, binding protein (PSCDBP), mRNA.
PREDICTED: Homo sapiens hypothetical protein LOC643882 (LOC643882), mRNA.
Homo sapiens zinc finger protein 346 (ZNF346), mRNA.
Homo sapiens jun dimerization protein 2 (JDP2), mRNA.
Homo sapiens solute carrier family 2 (facilitated glucose transporter), member 11 (SLC2A11), transcript variant 1, mRNA.
Homo sapiens solute carrier family 5 (sodium/glucose cotransporter), member 9 (SLC5A9), mRNA.
PREDICTED: Homo sapiens similar to H3 histone, family 3B (LOC730740), mRNA.
Homo sapiens S100 calcium binding protein A12 (S100A12), mRNA.
Homo sapiens RCSD domain containing 1 (RCSD1), mRNA.

Homo sapiens colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage) (CSF2RA), tr

Homo sapiens succinate dehydrogenase complex, subunit A, flavoprotein pseudogene 1 (SDHALP1) on chromo

Homo sapiens antagonist of mitotic exit network 1 homolog (*S. cerevisiae*) (AMN1), mRNA.

Homo sapiens transmembrane 6 superfamily member 1 (TM6SF1), mRNA.

Homo sapiens chromosome 7 open reading frame 25 (C7orf25), mRNA.

PREDICTED: Homo sapiens similar to A1661453 protein (FLJ90086), mRNA.

Homo sapiens synaptojanin 2 (SYNJ2), mRNA.

Homo sapiens syntaxin 10 (STX10), mRNA.

Homo sapiens ring finger and FYVE-like domain containing 1 (RFFL), transcript variant 2, mRNA.

Homo sapiens aarF domain containing kinase 4 (ADCK4), mRNA.

Homo sapiens tripartite motif-containing 25 (TRIM25), mRNA.

Homo sapiens ankyrin repeat domain 44 (ANKRD44), mRNA.

Homo sapiens heme binding protein 2 (HEBP2), mRNA.

Homo sapiens eukaryotic translation initiation factor 2 alpha kinase 4 (EIF2AK4), mRNA.

Homo sapiens ribosomal protein L23 (RPL23), mRNA.

Homo sapiens chromosome Y open reading frame 15B (CYorf15B), mRNA.

PREDICTED: Homo sapiens similar to dicer1 (LOC647691), mRNA.

Homo sapiens tumor necrosis factor (ligand) superfamily, member 13b (TNFSF13B), mRNA.

Homo sapiens Fas (TNFRSF6)-associated via death domain (FADD), mRNA.

Homo sapiens regulator of G-protein signalling 18 (RGS18), mRNA.

Homo sapiens transporter 2, ATP-binding cassette, sub-family B (MDR/TAP) (TAP2), transcript variant 2, mRNA

Homo sapiens paraneoplastic antigen like 6A (PNMA6A), mRNA.

PREDICTED: Homo sapiens similar to Dihydrofolate reductase, transcript variant 1 (LOC643509), mRNA.

Homo sapiens serglycin (SRGN), mRNA.

Homo sapiens eomesodermin homolog (*Xenopus laevis*) (EOMES), mRNA.

Homo sapiens proteasome (prosome, macropain) subunit, alpha type, 1 (PSMA1), transcript variant 1, mRNA.

Homo sapiens endosulfine alpha (ENSA), transcript variant 8, mRNA.

Homo sapiens chromosome 10 open reading frame 119 (C10orf119), mRNA.

Homo sapiens hypoxia-inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor) (HIF1A), tr

Homo sapiens RNA binding motif protein, X-linked-like 1 (RBMXL1), mRNA.

Homo sapiens ecotropic viral integration site 2B (EVI2B), mRNA.

Homo sapiens insulin receptor substrate 2 (IRS2), mRNA.

Homo sapiens alanyl (membrane) aminopeptidase (aminopeptidase N, aminopeptidase M, microsomal amino

PREDICTED: Homo sapiens membrane bound O-acyltransferase domain containing 1, transcript variant 1 (MBC

Homo sapiens histone deacetylase 4 (HDAC4), mRNA.

Homo sapiens zinc finger protein 585A (ZNF585A), transcript variant 1, mRNA.

Homo sapiens oxoeicosanoid (OXE) receptor 1 (OXER1), mRNA.

Homo sapiens mitogen-activated protein kinase kinase kinase 2 (MAP3K2), mRNA.

Homo sapiens RAP1A, member of RAS oncogene family (RAP1A), transcript variant 1, mRNA.

Homo sapiens hypothetical protein LOC552891 (LOC552891), mRNA.

Homo sapiens RNA binding motif protein 25 (RBM25), mRNA.

Homo sapiens actin related protein 2/3 complex, subunit 5, 16kDa (ARPC5), mRNA.

Homo sapiens similar to H3 histone, family 3B (LOC440093), mRNA.

Homo sapiens 5'-nucleotidase, cytosolic III (NT5C3), transcript variant 2, mRNA.

Homo sapiens ribosomal protein L32 (RPL32), transcript variant 3, mRNA.

Homo sapiens ankyrin repeat domain 55 (ANKRD55), transcript variant 1, mRNA.

PREDICTED: Homo sapiens similar to 60S ribosomal protein L14 (CAG-ISL 7), transcript variant 1 (LOC649821),

Homo sapiens bone marrow stromal cell antigen 1 (BST1), mRNA.

Homo sapiens chromobox homolog 1 (HP1 beta homolog Drosophila) (CBX1), mRNA.
PREDICTED: Homo sapiens similar to general transcription factor II I (LOC641978), mRNA.
PREDICTED: Homo sapiens similar to hypothetical protein MGC40405, transcript variant 1 (LOC653158), mRNA/
Homo sapiens FLJ38717 protein (FLJ38717), mRNA.
Homo sapiens C-type lectin domain family 4, member E (CLEC4E), mRNA.
Homo sapiens chromosome 20 open reading frame 43 (C20orf43), mRNA.
Homo sapiens protein kinase, Y-linked (PRKY), mRNA.
Homo sapiens toll-like receptor 2 (TLR2), mRNA.
Homo sapiens mitochondrial carrier triple repeat 1 (MCART1), mRNA.
Homo sapiens nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha (NFKBIA), mR
Homo sapiens leucine rich repeat neuronal 3 (LRRN3), mRNA.
Homo sapiens solute carrier family 26, member 8 (SLC26A8), transcript variant 1, mRNA.
Homo sapiens HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2 (HECW2), mRNA.
Homo sapiens thymosin, beta 4, Y-linked (TMSB4Y), mRNA.
PREDICTED: Homo sapiens similar to RAN-binding protein 2-like 1 isoform 2, transcript variant 11 (LOC653596;
Homo sapiens metallophosphoesterase 1 (MPPE1), mRNA.
Homo sapiens leucine-rich repeat kinase 2 (LRRK2), mRNA.
Homo sapiens transporter 2, ATP-binding cassette, sub-family B (MDR/TAP) (TAP2), transcript variant 1, mRNA/
PREDICTED: Homo sapiens hypothetical protein FLJ40722, transcript variant 3 (FLJ40722), mRNA.
Homo sapiens interleukin 18 (interferon-gamma-inducing factor) (IL18), mRNA.
Homo sapiens phosphatidylinositol binding clathrin assembly protein (PICALM), transcript variant 1, mRNA.
Homo sapiens chromodomain helicase DNA binding protein 7 (CHD7), mRNA.
Homo sapiens cadherin 2, type 1, N-cadherin (neuronal) (CDH2), mRNA.
PREDICTED: Homo sapiens similar to pleckstrin homology domain containing, family M (with RUN domain) me
PREDICTED: Homo sapiens hypothetical protein MGC12760, transcript variant 2 (MGC12760), mRNA.
Homo sapiens protein phosphatase 1, regulatory (inhibitor) subunit 3D (PPP1R3D), mRNA.
Homo sapiens oxysterol binding protein-like 8 (OSBPL8), transcript variant 2, mRNA.
PREDICTED: Homo sapiens solute carrier family 25 (carnitine/acylcarnitine translocase), member 20 (SLC25A20
Homo sapiens interleukin 8 receptor, beta (IL8RB), mRNA.
Homo sapiens ankyrin repeat and SOCS box-containing 8 (ASB8), mRNA.
Homo sapiens butyrophilin-like 3 (BTNL3), transcript variant 2, mRNA.
Homo sapiens paraneoplastic antigen MA3 (PNMA3), mRNA.
Homo sapiens tubulin, alpha 4a (TUBA4A), mRNA.
Homo sapiens deltex 3-like (Drosophila) (DTX3L), mRNA.
PREDICTED: Homo sapiens hypothetical protein LOC647389 (LOC647389), mRNA.
Homo sapiens oxysterol binding protein-like 9 (OSBPL9), transcript variant 6, mRNA.
Homo sapiens G protein-coupled receptor 84 (GPR84), mRNA.
Homo sapiens SUMO1 pseudogene 1 (SUMO1P1) on chromosome 20.
Homo sapiens leiomodulin 3 (fetal) (LMOD3), mRNA.
Homo sapiens transglutaminase 3 (E polypeptide, protein-glutamine-gamma-glutamyltransferase) (TGM3), mF
Homo sapiens nephroblastoma overexpressed gene (NOV), mRNA.
Homo sapiens amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 14 (ALS2CR14), mRNA.
Homo sapiens adducin 3 (gamma) (ADD3), transcript variant 1, mRNA.
Homo sapiens centrosomal protein 63kDa (CEP63), transcript variant 1, mRNA.
Homo sapiens chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha) (CXCL1), mRNA
Homo sapiens lines homolog 1 (Drosophila) (LINS1), transcript variant 6, mRNA.
Homo sapiens similar to zinc finger protein 469 (LOC441193), mRNA.
Homo sapiens PC4 and SFRS1 interacting protein 1 (PSIP1), transcript variant 2, mRNA.

Homo sapiens chromobox homolog 3 (HP1 gamma homolog, Drosophila) (CBX3), transcript variant 2, mRNA.
Homo sapiens cysteine-rich secretory protein LCCL domain containing 2 (CRISPLD2), mRNA.
PREDICTED: Homo sapiens similar to Proline-rich nuclear receptor coactivator 2, transcript variant 3 (LOC6531
Homo sapiens cytoskeleton-associated protein 4 (CKAP4), mRNA.
Homo sapiens dJ341D10.1 (novel protein) (dJ341D10.1), mRNA.
Homo sapiens F-box and leucine-rich repeat protein 13 (FBXL13), mRNA.
Homo sapiens BTAF1 RNA polymerase II, B-TFIID transcription factor-associated, 170kDa (Mot1 homolog, S. ce
Homo sapiens MAX-like protein X (MLX), transcript variant 3, mRNA.
Homo sapiens neuroplastin (NPTN), transcript variant beta, mRNA.
PREDICTED: Homo sapiens similar to H3 histone, family 2 isoform 2 (LOC653604), mRNA.
Homo sapiens cytochrome c oxidase subunit VIIb (COX7B), nuclear gene encoding mitochondrial protein, mRNA
Homo sapiens POU domain, class 2, transcription factor 1 (POU2F1), mRNA.
PREDICTED: Homo sapiens similar to Fc receptor-like 5 (LOC729853), mRNA.
Homo sapiens BMX non-receptor tyrosine kinase (BMX), mRNA.
Homo sapiens matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase) (MMP9)
Homo sapiens acyltransferase like 1 (AYTL1), mRNA.
Homo sapiens neutrophil cytosolic factor 2 (65kDa, chronic granulomatous disease, autosomal 2) (NCF2), mRN
Homo sapiens testis-specific transcript, Y-linked 15 (TTY15) on chromosome Y.
Homo sapiens mitogen-activated protein kinase kinase kinase 4 (MAP4K4), transcript variant 2, mRNA.
Homo sapiens arachidonate 5-lipoxygenase-activating protein (ALOX5AP), mRNA.
Homo sapiens proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional peptidase 2) (PS
Homo sapiens MCM8 minichromosome maintenance deficient 8 (S. cerevisiae) (MCM8), transcript variant 2, r
Homo sapiens SFRS protein kinase 1 (SRPK1), mRNA.
Homo sapiens CKLF-like MARVEL transmembrane domain containing 2 (CMTM2), mRNA.
Homo sapiens MOCO sulphurase C-terminal domain containing 1 (MOSC1), mRNA.
Homo sapiens IBR domain containing 2 (IBRDC2), mRNA.
Homo sapiens ankyrin repeat domain 22 (ANKRD22), mRNA.
Homo sapiens CUG triplet repeat, RNA binding protein 2 (CUGBP2), transcript variant 3, mRNA.
PREDICTED: Homo sapiens hypothetical protein LOC648226 (LOC648226), mRNA.
Homo sapiens S100 calcium binding protein P (S100P), mRNA.
Homo sapiens pregnancy specific beta-1-glycoprotein 9 (PSG9), mRNA.
Homo sapiens bromodomain and WD repeat domain containing 1 (BRWD1), transcript variant 2, mRNA.
Homo sapiens ankyrin repeat and BTB (POZ) domain containing 1 (ABTB1), transcript variant 2, mRNA.
Homo sapiens solute carrier family 36 (proton/amino acid symporter), member 4 (SLC36A4), mRNA.
Homo sapiens zinc finger protein 281 (ZNF281), mRNA.
Homo sapiens chromosome 1 open reading frame 108 (C1orf108), mRNA.
Homo sapiens acidic (leucine-rich) nuclear phosphoprotein 32 family, member A (ANP32A), mRNA.
PREDICTED: Homo sapiens hypothetical gene supported by AF147354 (LOC388789), mRNA.
Homo sapiens 4-aminobutyrate aminotransferase (ABAT), nuclear gene encoding mitochondrial protein, trans
PREDICTED: Homo sapiens zinc finger protein 486 (ZNF486), mRNA.
Homo sapiens chromodomain helicase DNA binding protein 8 (CHD8), mRNA.
PREDICTED: Homo sapiens KIAA0492 protein (KIAA0492), mRNA.
Homo sapiens hypothetical protein MGC4093 (MGC4093), mRNA.
Homo sapiens annexin A11 (ANXA11), transcript variant c, mRNA.
Homo sapiens peptidyl arginine deiminase, type IV (PADI4), mRNA.
Homo sapiens KIAA0319-like (KIAA0319L), transcript variant 2, mRNA.
Homo sapiens tudor domain containing 1 (TDRD1), mRNA.
Homo sapiens AT rich interactive domain 4A (RBP1-like) (ARID4A), transcript variant 3, mRNA.

Homo sapiens solute carrier family 5 (iodide transporter), member 8 (SLC5A8), mRNA.
Homo sapiens hypothetical protein FLJ20152 (FLJ20152), transcript variant 2, mRNA.
PREDICTED: Homo sapiens hypothetical protein FLJ14107 (FLJ14107), misc RNA.
Homo sapiens KIAA1706 protein (KIAA1706), mRNA.
Homo sapiens phosphatidylinositol-4-phosphate 5-kinase, type II, beta (PIP5K2B), transcript variant 2, mRNA.
Homo sapiens RAB35, member RAS oncogene family (RAB35), mRNA.
Homo sapiens aryl hydrocarbon receptor (AHR), mRNA.
Homo sapiens zinc finger, SWIM-type containing 1 (ZSWIM1), mRNA.
Homo sapiens ankyrin repeat and death domain containing 1A (ANKDD1A), mRNA.
Homo sapiens SP110 nuclear body protein (SP110), transcript variant c, mRNA.
Homo sapiens coronin, actin binding protein, 2A (CORO2A), transcript variant 1, mRNA.
PREDICTED: Homo sapiens similar to RAN-binding protein 2-like 1 isoform 2, transcript variant 10 (LOC653086), mRNA.
Homo sapiens interleukin 9 receptor (IL9R), transcript variant 1, mRNA.
Homo sapiens chromosome 21 open reading frame 55 (C21orf55), mRNA.
Homo sapiens pleiomorphic adenoma gene-like 1 (PLAGL1), transcript variant 3, mRNA.
Homo sapiens zinc finger protein 223 (ZNF223), mRNA.
Homo sapiens general transcription factor II, i, pseudogene 1 (GTF2IP1) on chromosome 7.
CR738550 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGp971E092 ; IMAGE:113723 5, mRNA
Homo sapiens cDNA FLJ40660 fis, clone THYMU2019686
Homo sapiens cDNA FLJ30935 fis, clone FEBRA2007176
tt27g09.x1 NCI_CGAP_GC6 Homo sapiens cDNA clone IMAGE:2242048 3, mRNA sequence
zv04h05.r1 Soares_NhHMPu_S1 Homo sapiens cDNA clone IMAGE:752697 5, mRNA sequence
BX108917 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGp998F09386, mRNA sequence
CM4-MT0361-060201-735-a04 MT0361 Homo sapiens cDNA, mRNA sequence
AGENCOURT_8585572 NIH_MGC_113 Homo sapiens cDNA clone IMAGE:6302814 5, mRNA sequence
DA385619 BRTHA2 Homo sapiens cDNA clone BRTHA2020660 5, mRNA sequence
DA572426 HEMBB1 Homo sapiens cDNA clone HEMBB1001157 5, mRNA sequence
il42e04.y1 HR85 islet Homo sapiens cDNA clone IMAGE:6032719 5, mRNA sequence
Homo sapiens mRNA; cDNA DKFZp667A182 (from clone DKFZp667A182)
Homo sapiens cDNA clone IMAGE:6277782, partial cds
AGENCOURT_8844418 NIH_MGC_141 Homo sapiens cDNA clone IMAGE:6385379 5, mRNA sequence
BX113731 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGp998E153815, mRNA sequence
UI-E-EJ0-aiq-m-17-0-UI.r1 UI-E-EJ0 Homo sapiens cDNA clone UI-E-EJ0-aiq-m-17-0-UI 5, mRNA sequence
CR746297 NCI_CGAP_Kid11 Homo sapiens cDNA clone IMAGp971P2385 ; IMAGE:2029602 5, mRNA sequence
AV645572 GLC Homo sapiens cDNA clone GLCABG03 3, mRNA sequence
df10f04.y1 Morton Fetal Cochlea Homo sapiens cDNA clone IMAGE:2483071 5, mRNA sequence
Homo sapiens cDNA FLJ42781 fis, clone BRAWH3005534
AGENCOURT_7761579 NIH_MGC_70 Homo sapiens cDNA clone IMAGE:6020085 5, mRNA sequence
UI-E-CL1-afc-h-16-0-UI.r1 UI-E-CL1 Homo sapiens cDNA clone UI-E-CL1-afc-h-16-0-UI 5, mRNA sequence
BX111927 Soares_multiple_sclerosis_2NbHMSP Homo sapiens cDNA clone IMAGp998G05619, mRNA sequence
AGENCOURT_8353231 NIH_MGC_113 Homo sapiens cDNA clone IMAGE:6278225 5, mRNA sequence
zp47f07.s1 Stratagene HeLa cell s3 937216 Homo sapiens cDNA clone IMAGE:612613 3, mRNA sequence
UI-H-DIO-auw-h-24-0-UI.s1 NCI_CGAP_DIO Homo sapiens cDNA clone IMAGE:5875271 3, mRNA sequence
AGENCOURT_13462296 NIH_MGC_187 Homo sapiens cDNA clone IMAGE:30318122 5, mRNA sequence
AGENCOURT_8803344 Lupski_sciatic_nerve Homo sapiens cDNA clone IMAGE:6198982 5, mRNA sequence
Homo sapiens cDNA clone IMAGE:5270591
UI-1-BB1p-axy-f-04-0-UI.s2 NCI_CGAP_PI6 Homo sapiens cDNA clone UI-1-BB1p-axy-f-04-0-UI 3, mRNA sequence
UI-E-EJ0-ahi-k-07-0-UI.r2 UI-E-EJ0 Homo sapiens cDNA clone UI-E-EJ0-ahi-k-07-0-UI 5, mRNA sequence

BX099079 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGp998O14606, mRNA sequence
xv24e03.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:2814076 3, mRNA sequence
AGENCOURT_10480778 NIH_MGC_107 Homo sapiens cDNA clone IMAGE:6646806 5, mRNA sequence
wi12b07.x1 NCI_CGAP_Co16 Homo sapiens cDNA clone IMAGE:2390005 3, mRNA sequence
Homo sapiens cDNA clone IMAGE:5272804
BX109404 NCI_CGAP_Br2 Homo sapiens cDNA clone IMAGp998G234083, mRNA sequence
PM0-NN1173-231000-001-h11 NN1173 Homo sapiens cDNA, mRNA sequence
BX100504 Soares_fetal_heart_NbHH19W Homo sapiens cDNA clone IMAGp998D19788, mRNA sequence
DA395916 BRTHA2 Homo sapiens cDNA clone BRTHA2035482 5, mRNA sequence
Homo sapiens partial mRNA; ID YG39-1C
ny62g05.s1 NCI_CGAP_GCB1 Homo sapiens cDNA clone IMAGE:1282904 3, mRNA sequence
Homo sapiens cDNA FLJ26044 fis, clone PRS01852
Homo sapiens mRNA; cDNA DKFZp313O229 (from clone DKFZp313O229)
cs75c04.y1 Human Retinal pigment epithelium/choroid cDNA (Un-normalized, unamplified): cs Homo sapiens
UI-E-CK1-afn-i-01-0-UI.s2 UI-E-CK1 Homo sapiens cDNA clone UI-E-CK1-afn-i-01-0-UI 3, mRNA sequence
BX092006 NCI_CGAP_Kid11 Homo sapiens cDNA clone IMAGp998M175911 ; IMAGE:2380600, mRNA sequence
df27f11.w1 Morton Fetal Cochlea Homo sapiens cDNA clone IMAGE:2484644 3, mRNA sequence
FNPATC04 FNP Homo sapiens cDNA, mRNA sequence
AV651069 GLC Homo sapiens cDNA clone GLCCLD10 3, mRNA sequence
wd35b02.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:2330091 3, mRNA sequence
603183417F1 NIH_MGC_121 Homo sapiens cDNA clone IMAGE:5247269 5, mRNA sequence
BX117171 NCI_CGAP_Co3 Homo sapiens cDNA clone IMAGp998J142299, mRNA sequence
nw90g12.s1 NCI_CGAP_Pr12 Homo sapiens cDNA clone IMAGE:1253926, mRNA sequence
yy19a06.s1 Soares melanocyte 2NbHM Homo sapiens cDNA clone IMAGE:271666 3 similar to PIR:S22049 S220
wq37a10.x1 NCI_CGAP_GC6 Homo sapiens cDNA clone IMAGE:2473434 3 similar to contains element MER18
hv70f04.x1 NCI_CGAP_Lu24 Homo sapiens cDNA clone IMAGE:3178783 3, mRNA sequence
Homo sapiens cDNA FLJ30923 fis, clone FEBRA2006491
Homo sapiens mRNA; cDNA DKFZp586O1318 (from clone DKFZp586O1318)
CM2-HT0242-251099-024-a09 HT0242 Homo sapiens cDNA, mRNA sequence
Homo sapiens mRNA; cDNA DKFZp762F0616 (from clone DKFZp762F0616)
zn90c01.r1 Stratagene lung carcinoma 937218 Homo sapiens cDNA clone IMAGE:565440 5, mRNA sequence
Homo sapiens cDNA FLJ37202 fis, clone BRALZ2006734
Homo sapiens cDNA FLJ42306 fis, clone TRACH2001646
Homo sapiens cDNA: FLJ21679 fis, clone COL09221
SM011178 Brain 3 EST Homo sapiens cDNA clone ID_11178 3', mRNA sequence
Homo sapiens mRNA; cDNA DKFZp686J19209 (from clone DKFZp686J19209)
603089645F1 NIH_MGC_120 Homo sapiens cDNA clone IMAGE:5228627 5, mRNA sequence
zr87e09.r1 NCI_CGAP_GCB1 Homo sapiens cDNA clone IMAGE:682696 5, mRNA sequence
AGENCOURT_14538855 NIH_MGC_191 Homo sapiens cDNA clone IMAGE:30418792 5, mRNA sequence
AV705309 ADB Homo sapiens cDNA clone ADBBWE05 5, mRNA sequence
601590965F1 NIH_MGC_7 Homo sapiens cDNA clone IMAGE:3944752 5, mRNA sequence
BX111162 Soares_testis_NHT Homo sapiens cDNA clone IMAGp998E074158, mRNA sequence
Homo sapiens thioredoxin (TXN), mRNA.

Ontology_Component

synthetic LOC441257, transcript variant 2 (LOC643862), mRNA.

intracellular [goid 5622] [evidence IEA]; cytosolic small ribosomal subunit (sensu Eukaryota) [goid 5843] [pmid

ribosome [goid 5840] [evidence IEA]; intracellular [goid 5622] [evidence IEA]; cytosolic small ribosomal subunit
integral to membrane [goid 16021] [evidence IEA]; membrane fraction [goid 5624] [pmid 15297306] [evidence IEA];
heterotrimeric G-protein complex [goid 5834] [evidence IEA]; integral to membrane [goid 16021] [evidence IEA]

membrane [goid 16020] [evidence IEA]; extracellular region [goid 5576] [evidence IEA]

nucleus [goid 5634] [evidence IEA]

integral to membrane [goid 16021] [evidence IEA]

extracellular space [goid 5615] [evidence NR]

protein phosphatase type 2A complex [goid 159] [pmid 1849734] [evidence ISS]

plasma membrane [goid 5886] [pmid 7754374] [evidence TAS]; integral to plasma membrane [goid 5887] [pmid 7754374]
DNA-directed RNA polymerase II, core complex [goid 5665] [pmid 8797801] [evidence TAS]; nucleus [goid 5634]

membrane [goid 16020] [evidence IEA]; integral to membrane [goid 16021] [evidence IEA]

nucleus [goid 5634] [pmid 9687510] [evidence IEP]

membrane [goid 16020] [evidence IEA]; integral to membrane [goid 16021] [evidence IEA]

chromosome [goid 5694] [evidence IEA]; nucleus [goid 5634] [evidence IEA]; nucleosome [goid 786] [evidence

NA.

ribosome [goid 5840] [evidence IEA]; intracellular [goid 5622] [evidence IEA]; cytosolic small ribosomal subunit

LOC653352), mRNA.

integral to plasma membrane [goid 5887] [pmid 2555171] [evidence TAS]; membrane [goid 16020] [evidence IEA]

nucleus [goid 5634] [evidence IEA]

membrane [goid 16020] [evidence IEA]; integral to membrane [goid 16021] [evidence IEA]

intracellular [goid 5622] [evidence IEA]

cytoplasm [goid 5737] [evidence IEA]

voltage-gated calcium channel complex [goid 5891] [pmid 8071363] [evidence TAS]; integral to membrane [goid 16021] [evidence IEA]

mitochondrion [goid 5739] [pmid 3278312] [evidence TAS]; cytoplasm [goid 5737] [evidence IEA]

cytosol [goid 5829] [pmid 9538874] [evidence TAS]; soluble fraction [goid 5625] [pmid 9538874] [evidence TAS]

membrane [goid 16020] [evidence IEA]; integral to membrane [goid 16021] [evidence IEA]

intracellular [goid 5622] [pmid 11256614] [evidence IDA]

intracellular [goid 5622] [evidence IEA]

nucleus [goid 5634] [pmid 11137288] [evidence NAS]

endoplasmic reticulum [goid 5783] [evidence IEA]; extracellular space [goid 5615] [pmid 12368295] [evidence IEA]

membrane [goid 16020] [evidence IEA]; extracellular matrix (sensu Metazoa) [goid 5578] [evidence IEA]; anchorage

cell fraction [goid 267] [evidence NAS]

nucleus [goid 5634] [evidence IEA]

nucleus [goid 5634] [evidence NAS]; intracellular [goid 5622] [evidence IEA]

nucleus [goid 5634] [pmid 9874765] [evidence IDA]; histone deacetylase complex [goid 118] [pmid 9874765] [evidence IDA]

nucleus [goid 5634] [pmid 11279057] [evidence ISS]; Golgi apparatus [goid 5794] [pmid 11279057] [evidence IEA]

nucleus [goid 5634] [pmid 7693701] [evidence TAS]

nucleus [goid 5634] [evidence IEA]; lamin filament [goid 5638] [pmid 7557986] [evidence TAS]

plasma membrane [goid 5886] [pmid 8615752] [evidence TAS]; Golgi apparatus [goid 5794] [pmid 8615752] [evidence IEA];
:NA.

integral to plasma membrane [goid 5887] [pmid 9062191] [evidence TAS]; membrane [goid 16020] [evidence
integral to plasma membrane [goid 5887] [pmid 2971451] [evidence TAS]; membrane [goid 16020] [evidence

contractile ring [goid 5826] [pmid 9203580] [evidence ISS]; nucleus [goid 5634] [pmid 10942595] [evidence ID
membrane [goid 16020] [evidence IEA]; integral to membrane [goid 16021] [evidence IEA]

nucleus [goid 5634] [evidence ISS]; membrane [goid 16020] [evidence IEA]; cytoplasm [goid 5737] [pmid 1451
membrane [goid 16020] [evidence IEA]; endoplasmic reticulum [goid 5783] [evidence IEA]
plasma membrane [goid 5886] [pmid 1660144] [evidence TAS]; integral to plasma membrane [goid 5887] [pm

nucleus [goid 5634] [evidence IEA]; transcription factor TFIID complex [goid 5669] [evidence NR]; intracellular

intracellular [goid 5622] [evidence IEA]

membrane [goid 16020] [evidence IEA]

extracellular region [goid 5576] [pmid 11481438] [evidence NAS]; extracellular space [goid 5615] [evidence IEA]

plasma membrane [goid 5886] [pmid 10799517] [evidence TAS]; cAMP-dependent protein kinase complex [gc
cytosol [goid 5829] [evidence NR]

RNA.

nucleus [goid 5634] [evidence IEA]

integral to membrane [goid 16021] [evidence IEA]

nucleus [goid 5634] [evidence IEA]

lysosome [goid 5764] [evidence IEA]

membrane [goid 16020] [evidence IEA]; peroxisome [goid 5777] [evidence IEA]; integral to membrane [goid 16021]
extracellular space [goid 5615] [evidence NR]

membrane [goid 16020] [evidence IEA]; integral to membrane [goid 16021] [evidence IEA]

extracellular region [goid 5576] [pmid 14718574] [evidence NAS]

membrane [goid 16020] [evidence IEA]; integral to membrane [goid 16021] [evidence IEA]

nucleus [goid 5634] [evidence IEA]

endoplasmic reticulum [goid 5783] [evidence IEA]; extracellular space [goid 5615] [pmid 12368295] [evidence

membrane [goid 16020] [evidence IEA]; mitochondrion [goid 5739] [pmid 15685448] [evidence IDA]; integral to

RNA.

extracellular region [goid 5576] [evidence IEA]

chromosome [goid 5694] [evidence IEA]; nucleus [goid 5634] [evidence IEA]; nucleosome [goid 786] [pmid 9111451]
membrane [goid 16020] [evidence IEA]; integral to membrane [goid 16021] [evidence IEA]

nucleus [goid 5634] [evidence IEA]

nucleus [goid 5634] [pmid 10820245] [evidence TAS]; cytoplasm [goid 5737] [pmid 10820245] [evidence TAS]

plasma membrane [goid 5886] [pmid 10749881] [evidence TAS]; integral to membrane [goid 16021] [pmid 16

integral to plasma membrane [goid 5887] [pmid 2307934] [evidence TAS]; membrane [goid 16020] [evidence
nucleus [goid 5634] [evidence IEA]; intracellular [goid 5622] [evidence IEA]

alpha-ketoglutarate dehydrogenase complex (sensu Eukaryota) [goid 5947] [pmid 11839747] [evidence TAS];
integral to membrane [goid 16021] [evidence IEA]; membrane [goid 16020] [evidence IEA]; extracellular space
membrane [goid 16020] [evidence IEA]; integral to membrane [goid 16021] [evidence IEA]

nucleus [goid 5634] [pmid 7798274] [evidence TAS]

Golgi membrane [goid 139] [pmid 12682071] [evidence IDA]; membrane [goid 16020] [evidence IEA]; secretory
clathrin coat of coated pit [goid 30132] [evidence IEA]; clathrin vesicle coat [goid 30125] [evidence IEA]

ribosome [goid 5840] [evidence IEA]; intracellular [goid 5622] [evidence IEA]; cytosolic small ribosomal subunit

nucleus [goid 5634] [pmid 9472028] [evidence IDA]; cytoplasm [goid 5737] [pmid 9472028] [evidence IDA]

nucleus [goid 5634] [evidence IEA]

plasma membrane [goid 5886] [pmid 1660144] [evidence TAS]; integral to plasma membrane [goid 5887] [pmid 1660144] [evidence TAS]

nucleus [goid 5634] [pmid 1303260] [evidence NAS]

cytoplasm [goid 5737] [pmid 10049785] [evidence TAS]; soluble fraction [goid 5625] [pmid 10049785] [evidence TAS];
1), mRNA.

cytoplasm [goid 5737] [pmid 3753936] [evidence NAS]

.OC442609), mRNA.

integral to membrane [goid 16021] [pmid 11567029] [evidence TAS]

nucleus [goid 5634] [evidence IEA]; histone deacetylase complex [goid 118] [pmid 9651585] [evidence TAS]

nucleus [goid 5634] [evidence IEA]

actin cytoskeleton [goid 15629] [evidence NAS]

nucleus [goid 5634] [pmid 8425218] [evidence TAS]

membrane [goid 16020] [evidence IEA]; integral to membrane [goid 16021] [evidence IEA]; endoplasmic reticulum

nucleus [goid 5634] [evidence IEA]

nucleus [goid 5634] [evidence IEA]; calcium- and calmodulin-dependent protein kinase complex [goid 5954] [pmid 11110791] [evidence IDA]

intracellular [goid 5622] [evidence IEA]

cytoskeleton [goid 5856] [evidence IEA]; cytoplasm [goid 5737] [evidence IEA]

membrane [goid 16020] [evidence IEA]

cytoplasmic exosome (RNase complex) [goid 177] [pmid 11110791] [evidence IDA]; nuclear exosome (RNase complex)

extracellular space [goid 5615] [evidence NR]
membrane fraction [goid 5624] [pmid 8110752] [evidence TAS]; extrinsic to membrane [goid 19898] [pmid 81
cellular component unknown [goid 8372] [evidence ND]
cyclin-dependent protein kinase 5 activator complex [goid 16533] [evidence IEA]; membrane fraction [goid 56
plasma membrane [goid 5886] [pmid 9435236] [evidence TAS]; phagocytic vesicle [goid 45335] [pmid 110957

large ribosomal subunit [goid 15934] [evidence IEA]; intracellular [goid 5622] [evidence IEA]
extracellular space [goid 5615] [pmid 2970990] [evidence TAS]

protein serine/threonine phosphatase complex [goid 8287] [evidence IEA]
nucleus [goid 5634] [pmid 9689109] [evidence TAS]; intracellular [goid 5622] [evidence IEA]
membrane fraction [goid 5624] [pmid 10391245] [evidence TAS]; integral to plasma membrane [goid 5887] [p

endoplasmic reticulum [goid 5783] [evidence IEA]; microsome [goid 5792] [evidence IEA]; membrane [goid 16

A.

ribosome [goid 5840] [evidence IEA]; intracellular [goid 5622] [evidence IEA]; cytosolic small ribosomal subuni
centrosome [goid 5813] [pmid 14654843] [evidence IDA]

Golgi apparatus [goid 5794] [pmid 15229288] [evidence IDA]

cytoplasm [goid 5737] [pmid 14636577] [evidence IDA]; nucleus [goid 5634] [pmid 14636577] [evidence IDA]

nucleus [goid 5634] [evidence IEA]
actin cytoskeleton [goid 15629] [evidence NR]
soluble fraction [goid 5625] [pmid 9852129] [evidence IDA]

plasma membrane [goid 5886] [pmid 2258698] [evidence TAS]; integral to plasma membrane [goid 5887] [pm

microtubule [goid 5874] [evidence IEA]; microtubule associated complex [goid 5875] [evidence ISS]; cytoplasm

.OC653829), mRNA.

nucleus [goid 5634] [pmid 9226370] [evidence NAS]; intracellular [goid 5622] [evidence IEA]
nucleus [goid 5634] [pmid 10976108] [evidence IDA]
cytoskeleton [goid 5856] [pmid 9256445] [evidence TAS]; nucleus [goid 5634] [pmid 9370289] [evidence TAS];
membrane [goid 16020] [evidence IEA]; cytoplasm [goid 5737] [pmid 12606567] [evidence IDA]; cell cortex [g

nucleus [goid 5634] [pmid 10488071] [evidence TAS]; nucleolus [goid 5730] [pmid 10488071] [evidence TAS];
nucleus [goid 5634] [evidence IEA]
membrane [goid 16020] [evidence IEA]; integral to membrane [goid 16021] [evidence IEA]
membrane [goid 16020] [evidence IEA]; integral to membrane [goid 16021] [evidence IEA]

insoluble fraction [goid 5626] [pmid 7626002] [evidence TAS]; cytosol [goid 5829] [pmid 7626002] [evidence T

integral to plasma membrane [goid 5887] [pmid 2555171] [evidence TAS]; membrane [goid 16020] [evidence IEA]; cytoplasm [goid 5737] [evidence NR]; polysome 3.

membrane [goid 16020] [evidence NAS]; integral to membrane [goid 16021] [evidence IEA]

membrane [goid 16020] [evidence IEA]; integral to membrane [goid 16021] [evidence IEA]; Golgi membrane [goid 16020] [evidence IEA]; membrane [goid 16020] [evidence IEA]

cytosolic ribosome (sensu Eukaryota) [goid 5830] [evidence ISS]; intracellular [goid 5622] [evidence NAS]; cytoplasm [goid 5737] [evidence NR]; ribosome [goid 5840] [pmid 1874450] [evidence NAS]; intracellular [goid 5622] [evidence IEA]

integral to plasma membrane [goid 5887] [evidence NR]; membrane [goid 16020] [evidence IEA]; extracellular space [goid 5737] [evidence NR]; cytoplasm [goid 5737] [evidence NR]

TAP complex [goid 42825] [pmid 12202157] [evidence NAS]; membrane [goid 16020] [evidence IEA]; endoplasmic reticulum [goid 5737] [evidence NR]

nucleus [goid 5634] [evidence IEA]

nucleus [goid 5634] [pmid 7681138] [evidence TAS]; cytosol [goid 5829] [evidence IEA]; polysome [goid 5844]

nucleus [goid 5634] [pmid 15261140] [evidence IDA]

integral to plasma membrane [goid 5887] [pmid 1903357] [evidence TAS]; membrane [goid 16020] [evidence IEA]; cytoplasm [goid 5737] [evidence NR]; polysome 3.

ER-Golgi intermediate compartment [goid 5793] [pmid 15308636] [evidence IDA]; integral to plasma membrane [goid 16021] [evidence IEA]; mRNA.

nucleus [goid 5634] [evidence NAS]; histone deacetylase complex [goid 118] [pmid 12711221] [evidence TAS];

nucleus [goid 5634] [evidence IEA]; intracellular [goid 5622] [evidence IEA]

integral to membrane [goid 16021] [evidence IEA]; membrane [goid 16020] [evidence IEA]

nucleus [goid 5634] [evidence IEA]

membrane [goid 16020] [evidence IEA]; intracellular [goid 5622] [evidence IEA]

Arp2/3 protein complex [goid 5885] [pmid 9230079] [evidence TAS]; cytoskeleton [goid 5856] [evidence IEA]; chromosome [goid 5694] [evidence IEA]; nucleus [goid 5634] [evidence IEA]; nucleosome [goid 786] [evidence IEA]; endoplasmic reticulum [goid 5783] [pmid 8557639] [evidence IDA]; cytoplasm [goid 5737] [pmid 8557639] [evidence NR]; ribosome [goid 5840] [evidence IEA]; intracellular [goid 5622] [evidence IEA]

mRNA.

membrane [goid 16020] [evidence IEA]; extrinsic to membrane [goid 19898] [pmid 8202488] [evidence TAS]

chromatin [goid 785] [evidence IEA]; nuclear heterochromatin [goid 5720] [pmid 9169582] [evidence TAS]; nu

A.

membrane [goid 16020] [evidence IEA]; integral to membrane [goid 16021] [evidence IEA]

plasma membrane [goid 5886] [pmid 9435236] [evidence TAS]; integral to plasma membrane [goid 5887] [pmid 10438939] [evidence TAS]; integral to membrane [goid 16021] [evidence IEA]; mitochondrion [goid 5739] [evidence IEA]

nucleus [goid 5634] [pmid 7679069] [evidence IDA]; cytoplasm [goid 5737] [pmid 3140380] [evidence IDA]

membrane [goid 16020] [evidence IEA]; integral to membrane [goid 16021] [evidence IEA]

integral to membrane [goid 16021] [evidence IEA]

intracellular [goid 5622] [evidence IEA]

cytoskeleton [goid 5856] [evidence IEA]; cytoplasm [goid 5737] [evidence IEA]

), mRNA.

TAP complex [goid 42825] [pmid 12202157] [evidence NAS]; membrane [goid 16020] [evidence IEA]; endoplasmic

extracellular region [goid 5576] [pmid 11598150] [evidence TAS]; extracellular space [goid 5615] [pmid 10881932] [evidence TAS]; coated pit [goid 5905] [pmid 10436022] [evidence IDA]

nucleus [goid 5634] [evidence IEA]; chromatin [goid 785] [evidence IEA]

membrane [goid 16020] [evidence IEA]; integral to membrane [goid 16021] [evidence IEA]

membrane 1; adapter protein 162, transcript variant 4 (LOC440456), mRNA.

)), mRNA.

integral to plasma membrane [goid 5887] [pmid 10438939] [evidence TAS]; membrane [goid 16020] [pmid 10438939] [evidence TAS]

membrane [goid 16020] [evidence IEA]; integral to membrane [goid 16021] [evidence IEA]

microtubule [goid 5874] [evidence IEA]; protein complex [goid 43234] [evidence IEA]

membrane [goid 16020] [evidence IEA]; integral to membrane [goid 16021] [evidence NAS]

actin cytoskeleton [goid 15629] [pmid 11256614] [evidence IDA]; cytoskeleton [goid 5856] [evidence IEA]

cornified envelope [goid 1533] [evidence ISS]; extrinsic to internal side of plasma membrane [goid 31234] [pmid 10438939] [evidence TAS]; extracellular region [goid 5576] [evidence IEA]

membrane [goid 16020] [pmid 8893809] [evidence TAS]; cytoskeleton [goid 5856] [evidence IEA]

centrosome [goid 5813] [pmid 14654843] [evidence IDA]

extracellular region [goid 5576] [evidence IEA]; extracellular space [goid 5615] [pmid 10881932] [evidence TAS]

nucleus [goid 5634] [evidence IEA]

nucleus [goid 5634] [pmid 8663349] [evidence TAS]; chromatin [goid 785] [evidence IEA]
extracellular region [goid 5576] [evidence IEA]; transport vesicle [goid 30133] [pmid 11256614] [evidence IDA]
05), mRNA.

membrane fraction [goid 5624] [pmid 8314870] [evidence TAS]; integral to membrane [goid 16021] [pmid 831

cytoplasm [goid 5737] [evidence ISS]

nucleus [goid 5634] [evidence NAS]

nucleus [goid 5634] [pmid 10918583] [evidence IDA]; cytoplasm [goid 5737] [pmid 10918583] [evidence IDA]
integral to membrane [goid 16021] [evidence IEA]; postsynaptic membrane [goid 45211] [evidence ISS]; presy

membrane [goid 16020] [evidence IEA]; mitochondrion [goid 5739] [evidence IEA]; integral to membrane [goid 16021]
nucleus [goid 5634] [pmid 11891224] [evidence IDA]

extracellular matrix (sensu Metazoa) [goid 5578] [evidence IEA]; extracellular space [goid 5615] [pmid 225189]
membrane [goid 16020] [evidence IEA]; integral to membrane [goid 16021] [evidence IEA]
cytosol [goid 5829] [evidence NR]; soluble fraction [goid 5625] [evidence NR]

membrane fraction [goid 5624] [evidence NR]; membrane [goid 16020] [evidence IEA]; integral to membrane
cytosol [goid 5829] [evidence IEA]; proteasome core complex (sensu Eukaryota) [goid 5839] [evidence IEA]
nucleus [goid 5634] [evidence IEA]

nucleus [goid 5634] [pmid 11509566] [evidence IDA]; cytoplasm [goid 5737] [pmid 11509566] [evidence IDA]
membrane [goid 16020] [evidence IEA]; integral to membrane [goid 16021] [evidence IEA]; extracellular space

integral to membrane [goid 16021] [evidence ISS]; ubiquitin ligase complex [goid 151] [pmid 12853982] [evidence

nucleus [goid 5634] [pmid 15632002] [evidence IDA]; cytoplasm [goid 5737] [pmid 15632002] [evidence TAS]
membrane fraction [goid 5624] [pmid 2537311] [evidence TAS]; extracellular region [goid 5576] [evidence NA]
nucleus [goid 5634] [evidence IEA]

DNA-directed RNA polymerase II, core complex [goid 5665] [pmid 10448078] [evidence TAS]; nucleus [goid 56

nucleus [goid 5634] [pmid 11729309] [evidence IDA]; perinuclear region [goid 48471] [pmid 11555662] [evidence

mitochondrion [goid 5739] [evidence ISS]

chromatin [goid 785] [evidence IEA]; nucleus [goid 5634] [evidence NAS]

nucleus [goid 5634] [pmid 7508441] [evidence TAS]; nucleoplasm [goid 5654] [pmid 12577318] [evidence NAS]
nucleus [goid 5634] [evidence IEA]

membrane [goid 16020] [evidence IEA]

chromatin [goid 785] [evidence IEA]; transcriptional repressor complex [goid 17053] [pmid 12724404] [evidence

membrane [goid 16020] [evidence IEA]; integral to membrane [goid 16021] [evidence IEA]

intracellular [goid 5622] [evidence IEA]

endoplasmic reticulum [goid 5783] [evidence IEA]; membrane [goid 16020] [evidence IEA]

membrane [goid 16020] [evidence IEA]

nucleus [goid 5634] [pmid 10395741] [evidence IDA]

nucleus [goid 5634] [pmid 7693701] [evidence TAS]

), mRNA.

integral to plasma membrane [goid 5887] [pmid 1376929] [evidence TAS]; membrane [goid 16020] [evidence

nucleus [goid 5634] [evidence IEA]; intracellular [goid 5622] [evidence IEA]

nucleus [goid 5634] [evidence NAS]; intracellular [goid 5622] [evidence IEA]

\ sequence

:e

ice

cDNA clone cs75c04 5, mRNA sequence

:e

049 retrovirus-related reverse transcriptase - rabbit ;contains L1.t2 L1 repetitive element ;, mRNA sequence
repetitive element ;, mRNA sequence

Ontology_Process

protein biosynthesis [goid 6412] [pmid 15883184] [evidence IC]
cell differentiation [goid 30154] [evidence IEA]; apoptosis [goid 6915] [evidence IEA]; DNA repair [goid 6281] [
protein biosynthesis [goid 6412] [pmid 12082018] [evidence NAS]
transport [goid 6810] [pmid 9827529] [evidence TAS]
G-protein coupled receptor protein signaling pathway [goid 7186] [evidence IEA]; protein folding [goid 6457] [

skeletal development [goid 1501] [pmid 8955270] [evidence TAS]; central nervous system development [goid
regulation of transcription, DNA-dependent [goid 6355] [evidence IEA]

pyridine nucleotide biosynthesis [goid 19363] [evidence IEA]; cell-cell signaling [goid 7267] [pmid 8289818] [e

blood coagulation [goid 7596] [evidence IEA]; fibrinolysis [goid 42730] [evidence IEA]; chemotaxis [goid 6935]
protein amino acid dephosphorylation [goid 6470] [pmid 1849734] [evidence ISS]

id 1842498] [evidence TAS]; integral to membrane [goid 16021] [evidence IEA]
transcription [goid 6350] [evidence IEA]; transcription from RNA polymerase II promoter [goid 6366] [pmid 87

homophilic cell adhesion [goid 7156] [evidence IEA]
response to external stimulus [goid 9605] [pmid 9873047] [evidence IEP]; histone phosphorylation [goid 1657

nucleosome assembly [goid 6334] [evidence IEA]; chromosome organization and biogenesis (sensu Eukaryota)

protein biosynthesis [goid 6412] [pmid 8908372] [evidence TAS]; cell proliferation [goid 8283] [pmid 8407955];
positive regulation of I-kappaB kinase/NF-kappaB cascade [goid 43123] [evidence ISS]

IEA]

regulation of transcription, DNA-dependent [goid 6355] [evidence IEA]; transcription [goid 6350] [evidence IEA]

G-protein coupled receptor protein signaling pathway [goid 7186] [evidence IEA]; signal transduction [goid 7186]

small GTPase mediated signal transduction [goid 7264] [evidence IEA]

antibiotic biosynthesis [goid 17000] [evidence IEA]

calcium ion transport [goid 6816] [evidence IEA]; ion transport [goid 6811] [evidence IEA]; synaptic transmission

electron transport [goid 6118] [evidence IEA]

phototransduction [goid 7602] [pmid 9538874] [evidence TAS]; visual perception [goid 7601] [pmid 10329014]

intracellular signaling cascade [goid 7242] [evidence IEA]

ubiquitin-dependent protein catabolism [goid 6511] [evidence IEA]

ubiquitin cycle [goid 6512] [evidence IEA]

cell cycle [goid 7049] [evidence IEA]; cell division [goid 51301] [evidence IEA]

regulation of transcription, DNA-dependent [goid 6355] [pmid 11137288] [evidence NAS]; development [goid 6355]

metabolism [goid 8152] [evidence IEA]; heparan sulfate proteoglycan metabolism [goid 30201] [pmid 1236829]

cell differentiation [goid 30154] [evidence IEA]; myoblast cell fate determination [goid 7518] [pmid 7756174]

cell differentiation [goid 30154] [evidence IEA]; axonogenesis [goid 7409] [evidence ISS]

metabolism [goid 8152] [evidence IEA]

signal transduction [goid 7165] [evidence NAS]

cellular defense response [goid 6968] [pmid 1644857] [evidence TAS]; regulation of transcription, DNA-dependent

regulation of transcription, DNA-dependent [goid 6355] [evidence NAS]; transcription [goid 6350] [evidence IEA]

transcription [goid 6350] [evidence IEA]; negative regulation of transcription, DNA-dependent [goid 45892] [pmid 11279057]

chloride transport [goid 6821] [pmid 11279057] [evidence ISS]

negative regulation of cell proliferation [goid 8285] [pmid 8632892] [evidence TAS]

regulation of transcription, DNA-dependent [goid 6355] [evidence IEA]; transcription [goid 6350] [evidence IEA]

blood coagulation [goid 7596] [evidence IEA]; G-protein coupled receptor protein signaling pathway [goid 7186]

pyridine nucleotide biosynthesis [goid 19363] [evidence IEA]
metabolism [goid 8152] [evidence IEA]; steroid biosynthesis [goid 6694] [evidence IEA]

cell surface receptor linked signal transduction [goid 7166] [pmid 9062191] [evidence TAS]
response to virus [goid 9615] [pmid 2954953] [evidence TAS]; signal transduction [goid 7165] [pmid 2971451]

cell cycle [goid 7049] [evidence IEA]; cytokinesis [goid 910] [pmid 9203580] [evidence ISS]
immune response [goid 6955] [evidence IEA]

physiological process [goid 7582] [pmid 9630216] [evidence TAS]; cell motility [goid 6928] [pmid 9630216] [evidence IEA]; autophagy [goid 6914] [evidence IEA]; small GTPase mediated signal transduction [goid 7264] [evidence IEA]; cell-cell signaling [goid 7267] [pmid 2521388] [evidence TAS]
nitrogen compound metabolism [goid 6807] [evidence IEA]
[goid 5622] [evidence IEA]

small GTPase mediated signal transduction [goid 7264] [evidence IEA]; regulation of small GTPase mediated signal transduction [goid 7264] [evidence IEA]; nitrogen compound metabolism [goid 6807] [evidence IEA]; cell motility [goid 6928] [pmid 9790769] [evidence IEA]; regulation of cell proliferation [goid 42127] [pmid 11481438] [evidence NAS]; negative regulation of cell growth [goid 42127] [pmid 11481438] [evidence NAS]

ubiquitin-dependent protein catabolism [goid 6511] [evidence IEA]
cell motility [goid 6928] [pmid 10947064] [evidence TAS]; transport [goid 6810] [evidence IEA]; cell-cell signaling [goid 6810] [evidence IEA]

intracellular signaling cascade [goid 7242] [pmid 2540040] [evidence TAS]; protein amino acid phosphorylation [goid 7242] [pmid 2540040] [evidence TAS]

ubiquitin cycle [goid 6512] [evidence IEA]
regulation of transcription, DNA-dependent [goid 6355] [evidence IEA]; anterior compartment specification [goid 6355] [evidence IEA]
metabolism [goid 8152] [evidence IEA]; fructose 2,6-bisphosphate metabolism [goid 6003] [evidence IEA]

regulation of transcription, DNA-dependent [goid 6355] [evidence IEA]; transcription [goid 6350] [evidence IEA]; ceramide metabolism [goid 6672] [pmid 8955159] [evidence TAS]; fatty acid metabolism [goid 6631] [evidence IEA]; metabolism [goid 8152] [evidence IEA]; digestion [goid 7586] [pmid 1531127] [evidence TAS]; lipid metabolism [goid 7565] [pmid 7794280] [evidence TAS]

cell motility [goid 6928] [evidence NR]; blood coagulation [goid 7596] [evidence NR]; cell adhesion [goid 7151] [evidence IEA]
transport [goid 6810] [evidence IEA]

glycoprotein catabolism [goid 6516] [pmid 9811929] [evidence TAS]
regulation of transcription, DNA-dependent [goid 6355] [evidence IEA]; development [goid 7275] [pmid 80940] [evidence IEA]
metabolism [goid 8152] [evidence IEA]; heparan sulfate proteoglycan metabolism [goid 30201] [pmid 123682] [evidence IEA]
meiosis [goid 7126] [evidence IEA]
anti-apoptosis [goid 6916] [pmid 15685448] [evidence IMP]; immune response [goid 6955] [pmid 3017706] [evidence IEA]

nucleosome assembly [goid 6334] [pmid 9119399] [evidence NAS]; chromosome organization and biogenesis [goid 6334] [pmid 9119399] [evidence NAS]
cell differentiation [goid 30154] [evidence IEA]; angiogenesis [goid 1525] [evidence IEA]; cell motility [goid 6928] [evidence IEA]

DNA repair [goid 6281] [evidence IEA]

transcription from RNA polymerase II promoter [goid 6366] [pmid 9630226] [evidence TAS]; tyrosine phospho

cell motility [goid 6928] [pmid 1689240] [evidence NAS]; blood coagulation [goid 7596] [pmid 8392005] [evid

immune response [goid 6955] [pmid 2307934] [evidence TAS]; signal transduction [goid 7165] [pmid 2307934

regulation of transcription, DNA-dependent [goid 6355] [evidence IEA]; transcription [goid 6350] [evidence IEA/

branched chain family amino acid catabolism [goid 9083] [pmid 11839747] [evidence TAS]; protein amino acid

chemotaxis [goid 6935] [evidence IEA]; sensory perception [goid 7600] [evidence IEA]

metabolism [goid 8152] [evidence IEA]

apoptosis [goid 6915] [pmid 10828065] [evidence TAS]; DNA repair [goid 6281] [pmid 7973727] [evidence TAS

regulation of neurotransmitter secretion [goid 46928] [evidence ISS]; neurotransmitter transport [goid 6836] |

morphogenesis [goid 9653] [pmid 8733128] [evidence TAS]; receptor mediated endocytosis [goid 6898] [pmid

protein biosynthesis [goid 6412] [pmid 15883184] [evidence IC]

protein kinase cascade [goid 7243] [pmid 9472028] [evidence IDA]; RNA splicing [goid 8380] [pmid 9472028] [

protein amino acid phosphorylation [goid 6468] [evidence IEA]

cell-cell signaling [goid 7267] [pmid 2521388] [evidence TAS]

glycogen metabolism [goid 5977] [evidence IEA]; carbohydrate metabolism [goid 5975] [evidence IEA]

regulation of transcription [goid 45449] [evidence IEA]; regulation of transcription, DNA-dependent [goid 6355

protein biosynthesis [goid 6412] [pmid 10049785] [evidence TAS]; phenylalanyl-tRNA aminoacylation [goid 64

RNA processing [goid 6396] [pmid 8634703] [evidence TAS]

immune response [goid 6955] [evidence IEA]

ubiquitin-dependent protein catabolism [goid 6511] [evidence IEA]; spermatogenesis [goid 7283] [pmid 93846

phagocytosis, recognition [goid 6910] [pmid 11567029] [evidence IDA]; cell recognition [goid 8037] [pmid 115

regulation of transcription, DNA-dependent [goid 6355] [evidence IEA]; transcription [goid 6350] [evidence IEA/

regulation of actin polymerization and/or depolymerization [goid 8064] [evidence NAS]; cytoskeleton organiza

cell proliferation [goid 8283] [pmid 7829091] [evidence TAS]; regulation of transcription, DNA-dependent [goid

metabolism [goid 8152] [evidence IEA]; steroid biosynthesis [goid 6694] [evidence IEA]

nuclear mRNA splicing, via spliceosome [goid 398] [evidence IEA]

protein amino acid phosphorylation [goid 6468] [evidence IEA]

immune response [goid 6955] [evidence IEA]; apoptosis [goid 6915] [evidence NR]; regulation of transcription

barrier septum formation [goid 917] [evidence IEA]; protein localization [goid 8104] [pmid 11274158] [evidence

rRNA processing [goid 6364] [pmid 11110791] [evidence IDA]

regulation of G-protein coupled receptor protein signaling pathway [goid 8277] [pmid 10747990] [evidence TAS]

protein amino acid phosphorylation [goid 6468] [pmid 7598724] [evidence TAS]

macrophage chemotaxis [goid 48246] [pmid 11415443] [evidence IDA]; lymphocyte chemotaxis [goid 48247] [pmid 11415443] [evidence IDA]

electron transport [goid 6118] [evidence IEA]

biosynthesis [goid 9058] [evidence IEA]

cell-cell signaling [goid 7267] [evidence NR]; positive regulation of fibroblast proliferation [goid 48146] [pmid 11415443] [evidence IDA]; regulation of transcription, DNA-dependent [goid 6355] [evidence IEA]

transcription [goid 6350] [evidence IEA]; regulation of transcription from RNA polymerase II promoter [goid 6350] [evidence IEA]

cell-cell signaling [goid 7267] [pmid 3313057] [evidence TAS]; inflammatory response [goid 6954] [pmid 3313057] [evidence TAS]

transport [goid 6810] [evidence IEA]

homophilic cell adhesion [goid 7156] [evidence ISS]

biosynthesis [goid 9058] [evidence IEA]; histidine catabolism [goid 6548] [evidence IEA]

metabolism [goid 8152] [evidence IEA]

ubiquitin-dependent protein catabolism [goid 6511] [evidence IEA]

cytoplasmic transport [goid 5783] [evidence IEA]

protein transport [goid 15031] [evidence IEA]; exocytosis [goid 6887] [evidence IEA]

transcription initiation from RNA polymerase II promoter [goid 6367] [pmid 12218053] [evidence IDA]; fat cell differentiation [goid 6367] [pmid 12218053] [evidence IDA]

cell motility [goid 6928] [pmid 9177352] [evidence TAS]; G-protein signaling, coupled to IP3 second messenger production [goid 6928] [pmid 9177352] [evidence TAS]; glycolysis [goid 6096] [evidence IEA]

protein biosynthesis [goid 6412] [evidence IEA]

cellular defense response [goid 6968] [pmid 10359581] [evidence TAS]; cell surface receptor linked signal transduction [goid 6968] [pmid 10359581] [evidence TAS]; immune response [goid 6955] [pmid 1737380] [evidence NAS]

ubiquitin cycle [goid 6512] [evidence IEA]; oxygen transport [goid 15671] [evidence IEA]

regulation of transcription, DNA-dependent [goid 6355] [pmid 7557990] [evidence NAS]; transcription [goid 6355] [pmid 7557990] [evidence NAS]; immune response [goid 6955] [pmid 2139735] [evidence TAS]

positive regulation of transcription, DNA-dependent [goid 45893] [pmid 8378084] [evidence IDA]; transcription initiation from RNA polymerase II promoter [goid 45893] [pmid 8378084] [evidence IDA]; cell surface receptor linked signal transduction [goid 7166] [pmid 9367539] [evidence NAS]

protein amino acid dephosphorylation [goid 6470] [pmid 8798755] [evidence TAS]

apoptosis [goid 6915] [evidence IEA]

regulation of muscle contraction [goid 6937] [evidence NR]
inflammatory response [goid 6954] [pmid 3313057] [evidence TAS]
folic acid transport [goid 15884] [pmid 8110752] [evidence TAS]
biological process unknown [goid 4] [evidence ND]
brain development [goid 7420] [pmid 10915792] [evidence NAS]; cell proliferation [goid 8283] [pmid 8090221]
positive regulation of interleukin-6 biosynthesis [goid 45410] [pmid 12077222] [evidence ISS]; positive regulat
protein biosynthesis [goid 6412] [evidence IEA]
acute-phase response [goid 6953] [pmid 2970990] [evidence TAS]

protein amino acid dephosphorylation [goid 6470] [pmid 9684878] [evidence TAS]
B cell differentiation [goid 30183] [pmid 9000136] [evidence NAS]; cell growth [goid 16049] [pmid 9000136] [evidence TAS];
respiratory gaseous exchange [goid 7585] [pmid 10391245] [evidence TAS]; defense response [goid 6952] [pmid 10391245] [evidence TAS]

leukotriene metabolism [goid 6691] [pmid 8486631] [evidence TAS]; electron transport [goid 6118] [evidence TAS]
protein modification [goid 6464] [evidence IEA]

protein biosynthesis [goid 6412] [pmid 15883184] [evidence IC]

regulation of translation [goid 6445] [pmid 16488880] [evidence TAS]; mRNA catabolism, nonsense-mediated

regulation of muscle contraction [goid 6937] [evidence NR]
regulation of GTPase activity [goid 43087] [pmid 10859313] [evidence IDA]

immune response [goid 6955] [pmid 10835685] [evidence TAS]

neuromuscular synaptic transmission [goid 7274] [evidence ISS]; anterograde axon cargo transport [goid 8089]
regulation of transcription, DNA-dependent [goid 6355] [evidence IEA]; development [goid 7275] [pmid 11856]

protein stabilization [goid 50821] [pmid 10608892] [evidence IEP]; apoptosis [goid 6915] [pmid 14660608] [evidence TAS]
chromatin modification [goid 16568] [evidence IEA]; regulation of transcription, DNA-dependent [goid 6355] [evidence IEA]
mitotic spindle assembly [goid 51227] [pmid 15851029] [evidence IDA]
regulation of cell adhesion [goid 30155] [pmid 12606567] [evidence IDA]

apoptosis [goid 6915] [pmid 10488071] [evidence TAS]; RNA processing [goid 6396] [pmid 10488071] [evidence TAS]
regulation of transcription, DNA-dependent [goid 6355] [evidence IEA]
transport [goid 6810] [evidence IEA]; carbohydrate transport [goid 8643] [evidence IEA]
ion transport [goid 6811] [evidence IEA]; sodium ion transport [goid 6814] [evidence IEA]

xenobiotic metabolism [goid 6805] [pmid 11522286] [evidence IDA]; inflammatory response [goid 6954] [pmid 11522286] [evidence TAS]

IEA]

protein transport [goid 15031] [evidence IEA]
ubiquitin cycle [goid 6512] [evidence IEA]; apoptosis [goid 6915] [evidence IEA]

regulation of translational initiation [goid 6446] [evidence ISS]; protein biosynthesis [goid 6412] [evidence IEA]
protein biosynthesis [goid 6412] [evidence IEA]

immune response [goid 6955] [evidence IEA]; cell proliferation [goid 8283] [pmid 10908663] [evidence TAS]; s
antimicrobial humoral response (sensu Vertebrata) [goid 19735] [evidence NR]; induction of apoptosis via de
negative regulation of signal transduction [goid 9968] [evidence IEA]
immune response [goid 6955] [evidence IEA]; cytosol to ER transport [goid 46967] [pmid 11133832] [evidence

morphogenesis [goid 9653] [pmid 9888994] [evidence TAS]; regulation of transcription, DNA-dependent [goid
ubiquitin-dependent protein catabolism [goid 6511] [evidence IEA]
transport [goid 6810] [pmid 9653196] [evidence TAS]; response to nutrient [goid 7584] [pmid 9653196] [evid

positive regulation of transcription [goid 45941] [pmid 9887100] [evidence IDA]; regulation of transcription, D

IEA]

glucose metabolism [goid 6006] [pmid 9495343] [evidence TAS]; signal transduction [goid 7165] [pmid 767508]
angiogenesis [goid 1525] [evidence IEA]; cell differentiation [goid 30154] [evidence IEA]

B cell differentiation [goid 30183] [pmid 12711221] [evidence TAS]; transcription [goid 6350] [evidence IEA]; r
regulation of transcription, DNA-dependent [goid 6355] [evidence IEA]; transcription [goid 6350] [evidence IEA]
G-protein coupled receptor protein signaling pathway [goid 7186] [pmid 12065583] [evidence NAS]; signal tra
protein amino acid phosphorylation [goid 6468] [pmid 8621389] [evidence TAS]
small GTPase mediated signal transduction [goid 7264] [evidence IEA]; cell cycle [goid 7049] [evidence IEA]

nuclear mRNA splicing, via spliceosome [goid 398] [evidence NAS]
cell motility [goid 6928] [pmid 9230079] [evidence TAS]; regulation of actin filament polymerization [goid 308]
nucleosome assembly [goid 6334] [evidence IEA]; chromosome organization and biogenesis (sensu Eukaryota)
nucleotide metabolism [goid 9117] [evidence IEA]; pyrimidine nucleoside metabolism [goid 6213] [pmid 1094]
protein biosynthesis [goid 6412] [evidence IEA]

development [goid 7275] [pmid 8202488] [evidence TAS]; humoral immune response [goid 6959] [pmid 82024

chromatin assembly or disassembly [goid 6333] [evidence IEA]

immune response [goid 6955] [evidence IEA]; antimicrobial humoral response (sensu Vertebrata) [goid 19735]

protein amino acid phosphorylation [goid 6468] [pmid 9154127] [evidence TAS]

induction of apoptosis [goid 6917] [pmid 10426996] [evidence TAS]; innate immune response [goid 45087] [evidence IEA]; transport [goid 6810] [evidence IEA]

cytoplasmic sequestering of NF-kappaB [goid 7253] [evidence NAS]; apoptosis [goid 6915] [pmid 10747850] [evidence IEA]

transport [goid 6810] [evidence IEA]

ubiquitin cycle [goid 6512] [evidence IEA]

regulation of actin polymerization and/or depolymerization [goid 8064] [pmid 8838802] [evidence TAS]; sequestration

small GTPase mediated signal transduction [goid 7264] [evidence IEA]; protein amino acid phosphorylation [goid 6468] [pmid 9154127] [evidence TAS]; protein complex assembly [goid 6461] [pmid 12047747] [evidence NAS]; immune response [goid 6955] [evidence IEA]

immune response [goid 6955] [pmid 8999896] [evidence TAS]; chemokine biosynthesis [goid 42033] [pmid 11111111] [evidence IEA]; protein complex assembly [goid 6461] [pmid 8643484] [evidence TAS]; receptor mediated endocytosis [goid 6810] [evidence IEA]

chromatin assembly or disassembly [goid 6333] [evidence IEA]

homophilic cell adhesion [goid 7156] [evidence IEA]; cell adhesion [goid 7155] [pmid 2384753] [evidence TAS]

glycogen metabolism [goid 5977] [evidence IEA]; carbohydrate metabolism [goid 5975] [evidence IEA]

lipid transport [goid 6869] [evidence IEA]; steroid metabolism [goid 8202] [evidence IEA]

neutrophil activation [goid 42119] [pmid 10878382] [evidence IDA]; G-protein signaling, coupled to IP3 second messenger [goid 7242] [evidence IEA]; intracellular signaling cascade [goid 7242] [evidence IEA]

lipid metabolism [goid 6629] [pmid 10429365] [evidence TAS]

microtubule-based movement [goid 7018] [evidence IEA]; protein polymerization [goid 51258] [evidence IEA]

lipid transport [goid 6869] [evidence IEA]; steroid metabolism [goid 8202] [evidence IEA]

G-protein coupled receptor protein signaling pathway [goid 7186] [evidence IEA]; signal transduction [goid 7186] [evidence IEA]

skin development [goid 43588] [evidence ISS]; keratinocyte differentiation [goid 30216] [pmid 12850301] [evidence IEA]; regulation of cell growth [goid 1558] [evidence IEA]

negative regulation of cell proliferation [goid 8285] [pmid 9551928] [evidence TAS]; chemotaxis [goid 6935] [pmid 10429365] [evidence IEA]

regulation of transcription, DNA-dependent [goid 6355] [evidence IEA]; transcription [goid 6350] [evidence IEA]

chromatin modification [goid 16568] [evidence IEA]; regulation of transcription, DNA-dependent [goid 6355] [evidence IEA];
regulation of transcription, DNA-dependent [goid 6355] [evidence IEA];
ubiquitin cycle [goid 6512] [evidence IEA];
negative regulation of transcription [goid 16481] [pmid 9488487] [evidence NAS];
regulation of transcription [goid 45449] [evidence IEA]; regulation of transcription, DNA-dependent [goid 6355] [evidence IEA];
positive regulation of long-term neuronal synaptic plasticity [goid 48170] [evidence ISS]; homophilic cell adhesion [goid 7156] [evidence IEA];
electron transport [goid 6118] [evidence IEA];
regulation of transcription, DNA-dependent [goid 6355] [evidence IEA]; negative regulation of transcription [goid 16481] [pmid 9488487] [evidence NAS];
mesoderm development [goid 7498] [pmid 9520419] [evidence TAS]; intracellular signaling cascade [goid 7242] [pmid 8192856] [evidence TAS];
peptidoglycan metabolism [goid 270] [evidence IEA]; macrophage differentiation [goid 30225] [pmid 2251898] [evidence TAS];
metabolism [goid 8152] [evidence IEA]; phospholipid biosynthesis [goid 8654] [evidence IEA];
cellular defense response [goid 6968] [pmid 1692159] [evidence TAS]; superoxide metabolism [goid 6801] [evidence TAS];
protein kinase cascade [goid 7243] [pmid 9890973] [evidence IDA]; response to stress [goid 6950] [pmid 9890973] [evidence IDA];
leukotriene biosynthesis [goid 19370] [evidence IEA]; inflammatory response [goid 6954] [pmid 2300173] [evidence TAS];
immune response [goid 6955] [evidence IEA]; ubiquitin-dependent protein catabolism [goid 6511] [evidence IEA];
DNA replication initiation [goid 6270] [evidence IEA]; transcription [goid 6350] [evidence IEA]; DNA replication [goid 6270] [evidence IEA];
protein kinase cascade [goid 7243] [pmid 11509566] [evidence IDA]; regulation of mRNA processing [goid 506] [evidence IEA];
chemotaxis [goid 6935] [evidence IEA];
ubiquitin cycle [goid 6512] [evidence IEA]; protein ubiquitination during ubiquitin-dependent protein catabolism [goid 6511] [evidence IEA];
neuromuscular junction development [goid 7528] [evidence NR]; RNA processing [goid 6396] [pmid 9887331] [evidence TAS];
defense response [goid 6952] [evidence NAS]; pregnancy [goid 7565] [pmid 7794280] [evidence TAS];
regulation of transcription, DNA-dependent [goid 6355] [evidence IEA]; transcription [goid 6350] [evidence IEA];
protein biosynthesis [goid 6412] [evidence IEA];
transcription [goid 6350] [evidence IEA]; regulation of transcription, DNA-dependent [goid 6355] [evidence IEA];
intracellular signaling cascade [goid 7242] [pmid 8192856] [evidence TAS]; nucleocytoplasmic transport [goid 6396] [pmid 9887331] [evidence TAS];
neurotransmitter catabolism [goid 42135] [pmid 15528998] [evidence NAS]; behavior [goid 7610] [pmid 1191111] [evidence TAS];
chromatin modification [goid 16568] [evidence IEA]; chromatin assembly or disassembly [goid 6333] [evidence IEA];
immune response [goid 6955] [pmid 7508441] [evidence TAS];
chromatin modification [goid 16568] [evidence IEA]; transcription [goid 6350] [evidence IEA]; regulation of transcription [goid 6350] [evidence IEA];
homophilic cell adhesion [goid 7156] [evidence IEA];
transcription [goid 6350] [evidence IEA]; chromatin assembly or disassembly [goid 6333] [evidence IEA]; negative regulation of transcription [goid 16481] [pmid 9488487] [evidence NAS];

ion transport [goid 6811] [evidence IEA]; sodium ion transport [goid 6814] [evidence IEA]

cell surface receptor linked signal transduction [goid 7166] [pmid 9038203] [evidence TAS]
small GTPase mediated signal transduction [goid 7264] [evidence IEA]; protein transport [goid 15031] [evidence IEA]; response to xenobiotic stimulus [goid 9410] [pmid 7961644] [evidence IDA]; transcription from RNA polymerase II promoter [goid 6350] [evidence IEA]

signal transduction [goid 7165] [evidence IEA]
regulation of transcription, DNA-dependent [goid 6355] [evidence IEA]; transcription [goid 6350] [evidence IEA]
nitrogen compound metabolism [goid 6807] [evidence IEA]; glutamine biosynthesis [goid 6542] [evidence IEA]

cell proliferation [goid 8283] [pmid 1376929] [evidence TAS]; signal transduction [goid 7165] [pmid 1376929]
protein folding [goid 6457] [evidence IEA]
positive regulation of transcription from RNA polymerase II promoter [goid 45944] [pmid 15888726] [evidence IEA]
regulation of transcription, DNA-dependent [goid 6355] [evidence IEA]

Ontology_Function

structural constituent of ribosome [goid 3735] [pmid 15883184] [evidence IDA]
protein binding [goid 5515] [pmid 15383276] [evidence IPI]
structural constituent of ribosome [goid 3735] [pmid 15883184] [evidence IDA]
ATPase activity, coupled to transmembrane movement of substances [goid 42626] [evidence IEA]; organic anion
transporter activity [goid 3924] [pmid 7665596] [evidence TAS]; heat shock protein binding [goid 31072] [evidence

transferase activity [goid 16740] [evidence IEA]; nucleotide binding [goid 166] [evidence IEA]; ATP binding [goid 166]
sequence-specific DNA binding [goid 43565] [evidence IEA]; transcription factor activity [goid 3700] [evidence

transferase activity, transferring glycosyl groups [goid 16757] [evidence IEA]; cytokine activity [goid 5125] [pmid 8791232] [evidence

serine-type endopeptidase activity [goid 4252] [evidence IEA]; kinase activity [goid 16301] [evidence IEA]; plasminogen activator
protein phosphatase type 2A regulator activity [goid 8601] [pmid 8392071] [evidence TAS]; calcium ion binding
binding [goid 5488] [evidence IEA]
protein binding [goid 5515] [pmid 15205336] [evidence IPI]
transferase activity [goid 16740] [evidence IEA]; DNA-directed RNA polymerase activity [goid 3899] [pmid 8791232] [evidence

calcium ion binding [goid 5509] [evidence IEA]
transferase activity [goid 16740] [evidence IEA]; metalloproteinase activity [goid 8237] [evidence IEA]; ATP binding
receptor activity [goid 4872] [evidence IEA]; calcium ion binding [goid 5509] [evidence NAS]

DNA binding [goid 3677] [evidence IEA]
electron carrier activity [goid 9055] [evidence IEA]; protein disulfide oxidoreductase activity [goid 15035] [evidence IEA]

RNA binding [goid 3723] [pmid 8908372] [evidence TAS]; metal ion binding [goid 46872] [evidence IEA]; zinc ion binding [goid 8270] [evidence IEA]; zinc ion receptor activity [goid 4872] [evidence IEA]

receptor activity [goid 4872] [pmid 1358805] [evidence TAS]; hematopoietin/interferon-class (D200-domain) receptor activity [goid 4872] [evidence IEA]

zinc ion binding [goid 8270] [pmid 9576949] [evidence NAS]; metal ion binding [goid 46872] [evidence IEA]; protein binding [goid 5515] [pmid 15652350] [evidence IPI]; calcium ion binding [goid 5509] [evidence IEA]

receptor activity [goid 4872] [evidence IEA]; rhodopsin-like receptor activity [goid 1584] [evidence IEA]

hydrolase activity [goid 16787] [evidence IEA]

guanyl-nucleotide exchange factor activity [goid 5085] [evidence IEA]

oxidoreductase activity [goid 16491] [evidence IEA]; calcium ion binding [goid 5509] [evidence IEA]

voltage-gated calcium channel activity [goid 5245] [pmid 8071363] [evidence TAS]; ion channel activity [goid 5245] [evidence TAS]; disulfide oxidoreductase activity [goid 15036] [evidence IEA]; FAD binding [goid 50660] [evidence IEA]; dihydrofolate reductase activity [goid 50660] [evidence TAS]; synaptic transmission [goid 7268] [pmid 9538874] [evidence TAS]

peptidase activity [goid 8233] [evidence IEA]; ubiquitin thiolesterase activity [goid 4221] [evidence IEA]; cysteine protease activity [goid 4221] [evidence IEA]

ubiquitin-protein ligase activity [goid 4842] [evidence IEA]

zinc ion binding [goid 8270] [evidence IEA]; metal ion binding [goid 46872] [evidence IEA]; protein binding [goid 5515] [pmid 15652350] [evidence IPI]

sequence-specific DNA binding [goid 43565] [evidence IEA]; transcription factor activity [goid 3700] [pmid 111111] [evidence NAS]; zinc ion binding [goid 8270] [evidence IEA]; nucleic acid binding [goid 3676] [evidence IEA]

hydrolase activity [goid 16787] [evidence IEA]; sulfuric ester hydrolase activity [goid 8484] [evidence IEA]; aryl sulfatase activity [goid 8484] [evidence IEA]; binding [goid 5488] [evidence IEA]

GPI anchor binding [goid 48503] [evidence IEA]

oxidoreductase activity [goid 16491] [evidence IEA]

hydrolase activity [goid 16787] [evidence IEA]; 3',5'-cyclic-nucleotide phosphodiesterase activity [goid 4114] [evidence IEA]; DNA binding [goid 3677] [evidence IEA]

transcription factor activity [goid 3700] [evidence NAS]; DNA binding [goid 3677] [evidence IEA]

protein binding [goid 5515] [pmid 15652350] [evidence IPI]

chloride channel activity [goid 5254] [pmid 11279057] [evidence ISS]

SH3/SH2 adaptor activity [goid 5070] [pmid 8632892] [evidence TAS]; protein binding [goid 5515] [pmid 8632892] [evidence TAS]

zinc ion binding [goid 8270] [evidence IEA]; metal ion binding [goid 46872] [evidence IEA]; hematopoietin/interferon-class (D200-domain) receptor activity [goid 4872] [evidence IEA]; structural molecule activity [goid 5198] [pmid 7557986] [evidence TAS]

thrombin receptor activity [goid 15057] [evidence IEA]; receptor binding [goid 5102] [pmid 8615752] [evidence IEA]

kinase activity [goid 16301] [evidence IEA]; ATP binding [goid 5524] [evidence IEA]; transferase activity [goid 16491] [evidence IEA]; oxidoreductase activity [goid 16491] [evidence IEA]

cytokine binding [goid 19955] [evidence IEA]; receptor activity [goid 4872] [evidence IEA]; interferon-gamma r

GTPase activity [goid 3924] [pmid 9203580] [evidence ISS]; nucleotide binding [goid 166] [evidence IEA]; GTP I
sugar binding [goid 5529] [evidence IEA]

oxidoreductase activity [goid 16491] [evidence IEA]; oxidoreductase activity, acting on single donors with inco
GTP binding [goid 5525] [evidence IEA]; nucleotide binding [goid 166] [evidence IEA]

zinc ion binding [goid 8270] [evidence IEA]; metal ion binding [goid 46872] [evidence IEA]; neprilysin activity [g
zinc ion binding [goid 8270] [evidence IEA]; metal ion binding [goid 46872] [evidence IEA]; beta-ureidopropion
RNA polymerase II transcription factor activity [goid 3702] [evidence NR]; single-stranded RNA binding [goid 3

guanyl-nucleotide exchange factor activity [goid 5085] [evidence IEA]; protein binding [goid 5515] [pmid 9748
hydrolase activity, acting on carbon-nitrogen (but not peptide) bonds, in linear amides [goid 16811] [evidence
cytokine activity [goid 5125] [pmid 11481438] [evidence NAS]

zinc ion binding [goid 8270] [evidence IEA]; metal ion binding [goid 46872] [evidence IEA]; peptidase activity [g
thiol-disulfide exchange intermediate activity [goid 30508] [pmid 10947064] [evidence TAS]; protein disulfide
hydrolase activity [goid 16787] [evidence IEA]; acid phosphatase activity [goid 3993] [evidence IEA]

kinase activity [goid 16301] [evidence IEA]; cAMP-dependent protein kinase regulator activity [goid 8603] [pm
hydrolase activity [goid 16787] [evidence IEA]; 5'-nucleotidase activity [goid 8253] [pmid 7999131] [evidence
ligase activity [goid 16874] [evidence IEA]; ubiquitin-protein ligase activity [goid 4842] [evidence IEA]; protein
sequence-specific DNA binding [goid 43565] [evidence IEA]; transcription factor activity [goid 3700] [evidence
kinase activity [goid 16301] [evidence IEA]; transferase activity [goid 16740] [evidence IEA]; hydrolase activity

receptor activity [goid 4872] [evidence IEA]

transferase activity, transferring acyl groups, acyl groups converted into alkyl on transfer [goid 46912] [eviden
ligase activity [goid 16874] [evidence IEA]; magnesium ion binding [goid 287] [evidence IEA]; long-chain-fatty-

signal transducer activity [goid 4871] [pmid 8751720] [evidence TAS]; structural molecule activity [goid 5198]
transporter activity [goid 5215] [evidence IEA]

hyaluronoglucosaminidase activity [goid 4415] [pmid 9811929] [evidence TAS]

sequence-specific DNA binding [goid 43565] [evidence IEA]; transcription factor activity [goid 3700] [evidence
hydrolase activity [goid 16787] [evidence IEA]; sulfuric ester hydrolase activity [goid 8484] [evidence IEA]; aryl
RNA binding [goid 3723] [evidence IEA]; nucleic acid binding [goid 3676] [evidence IEA]; nucleotide binding [g
protein binding [goid 5515] [pmid 15685448] [evidence IPI]

DNA binding [goid 3677] [pmid 9119399] [evidence NAS]

receptor activity [goid 4872] [evidence IEA]; protein binding [goid 5515] [evidence IEA]

DNA binding [goid 3677] [evidence IEA]

transcription factor activity [goid 3700] [pmid 10848577] [evidence TAS]; hematopoietin/interferon-class (D2C

GPI anchor binding [goid 48503] [evidence IEA]; enzyme binding [goid 19899] [pmid 14688365] [evidence IPI];

receptor activity [goid 4872] [evidence IEA]; interleukin-4 receptor activity [goid 4913] [pmid 2307934] [evidence IEA]; zinc ion binding [goid 8270] [evidence IEA]; metal ion binding [goid 46872] [evidence IEA]; DNA binding [goid 3677] [evidence IEA]; kinase activity [goid 16301] [pmid 11839747] [evidence TAS]; ATP binding [goid 5524] [evidence IEA]; nucleotide binding [goid 166] [evidence IEA]; cytokine activity [goid 5125] [evidence IEA]

zinc ion binding [goid 8270] [evidence IEA]; alkaline phosphatase activity [goid 4035] [pmid 3042787] [evidence IEA]; cell cycle [goid 7049] [evidence IEA]; cell cycle arrest [goid 7050] [pmid 10747892] [evidence TAS]

molecular function unknown [goid 5554] [evidence ND]

binding [goid 5488] [evidence IEA]; signal transducer activity [goid 4871] [pmid 8844170] [evidence TAS]

structural constituent of ribosome [goid 3735] [pmid 15883184] [evidence IDA]

transferase activity [goid 16740] [evidence IEA]; nucleotide binding [goid 166] [evidence IEA]; ATP binding [goid 5524] [evidence IEA]; transferase activity [goid 16740] [evidence IEA]; protein serine/threonine kinase activity [goid 16301] [pmid 11839747] [evidence TAS]

zinc ion binding [goid 8270] [evidence IEA]; metal ion binding [goid 46872] [evidence IEA]; neprilysin activity [goid 4913] [pmid 2307934] [evidence IEA]; pyridoxal phosphate binding [goid 30170] [evidence IEA]; nucleotide binding [goid 166] [evidence IEA]; phosphatase activity [goid 4035] [pmid 3042787] [evidence IEA]

development [goid 7275] [evidence IEA]; frizzled signaling pathway [goid 7222] [evidence IEA]; phenylalanine-tRNA ligase activity [goid 4826] [pmid 10049785] [evidence TAS]; ligase activity [goid 16874] [evidence IEA]; protein serine/threonine kinase activity [goid 16301] [pmid 11839747] [evidence TAS]

RNA binding [goid 3723] [pmid 8634703] [evidence TAS]; nucleic acid binding [goid 3676] [evidence IEA]; nucleotide binding [goid 166] [evidence IEA];

binding [goid 5488] [evidence IEA]

calcium-dependent phospholipid binding [goid 5544] [evidence IEA]; ubiquitin thiolesterase activity [goid 4221] [evidence IEA];

pattern recognition receptor activity [goid 8329] [pmid 11567029] [evidence IDA]; MHC protein binding [goid 5515] [pmid 16169070] [evidence IPI]; transcription corepressor activity [goid 3714] [pmid 9651585] [evidence TAS]; protein binding [goid 5515] [pmid 16169070] [evidence IPI]; binding [goid 5488] [evidence IEA]

actin binding [goid 3779] [evidence NAS]; protein binding [goid 5515] [pmid 16169070] [evidence IPI]; phosphatase activity [goid 4035] [pmid 3042787] [evidence IEA]; transcription corepressor activity [goid 3714] [pmid 8425218] [evidence TAS]; transcription factor activity [goid 3700] [pmid 10848577] [evidence TAS]; oxidoreductase activity [goid 16491] [evidence IEA]; estradiol 17-beta-dehydrogenase activity [goid 4303] [evidence IEA]; RNA binding [goid 3723] [evidence IEA]; nucleotide binding [goid 166] [evidence IEA]

calmodulin binding [goid 5516] [evidence IEA]; ATP binding [goid 5524] [evidence IEA]; transferase activity [goid 16740] [evidence IEA];

transferase activity [goid 16740] [evidence IEA]; eukaryotic translation initiation factor 2alpha kinase activity [goid 4303] [evidence IEA]; cytoskeletal adaptor activity [goid 8093] [pmid 11274158] [evidence NAS]; protein binding [goid 5515] [evidence IEA];

exonuclease activity [goid 4527] [evidence IEA]; 3'-5'-exoribonuclease activity [goid 175] [pmid 11110791] [evidence IEA]

calmodulin binding [goid 5516] [pmid 10747990] [evidence TAS]; signal transducer activity [goid 4871] [evidence TAS];

enzyme activator activity [goid 8047] [pmid 8798479] [evidence TAS]; protein kinase inhibitor activity [goid 4871] [evidence TAS];

chemokine activity [goid 8009] [pmid 11415443] [evidence IDA]

zinc ion binding [goid 8270] [evidence IEA]; metal ion binding [goid 46872] [evidence IEA]; electron carrier activity [goid 4871] [evidence TAS]; catalytic activity [goid 3824] [evidence IEA]; isomerase activity [goid 16853] [evidence IEA]

protein homodimerization activity [goid 42803] [pmid 10913138] [evidence IDA]; S100 beta binding [goid 4811] [evidence TAS]; zinc ion binding [goid 8270] [evidence IEA]; nucleic acid binding [goid 3676] [evidence IEA]

RNA polymerase II transcription factor activity [goid 3702] [pmid 9919311] [evidence TAS]; DNA binding [goid 3677] [evidence IEA]; signal transducer activity [goid 4871] [pmid 3313057] [evidence TAS]; calcium ion binding [goid 5509] [pmid 20037] [evidence IEA];

receptor activity [goid 4872] [evidence IEA]

retinal binding [goid 16918] [evidence IEA]; retinol binding [goid 19841] [evidence IEA]; lipid binding [goid 828] [evidence IEA];

protein homodimerization activity [goid 42803] [evidence ISS]; coreceptor activity [goid 15026] [pmid 965700] [evidence TAS]; protein binding [goid 5515] [evidence IEA]; zinc ion binding [goid 8270] [evidence IEA]; metal ion binding [goid 46872] [evidence IEA]; lyase activity [goid 16829] [evidence IEA]; ammonia ligase activity [goid 16211] [evidence IEA]; histidine ammonia-lyase activity [goid 16787] [evidence IEA]; calcium ion binding [goid 5509] [evidence IEA]; arylsulfatase activity [goid 4221] [evidence IEA]; cysteine-type endopeptidase activity [goid 4197] [evidence IEA];

protein binding [goid 5515] [pmid 16189514] [evidence IPI]

DNA binding [goid 3677] [evidence IEA]; ATP binding [goid 5524] [evidence IEA]; ligand-dependent nuclear receptor activity [goid 4872] [evidence IEA];

nucleotide binding [goid 166] [pmid 8702478] [evidence TAS]; leukotriene receptor activity [goid 4974] [pmid 1239] [evidence TAS]; kinase activity [goid 16301] [evidence IEA]; transferase activity [goid 16740] [evidence IEA]; nucleotide binding [goid 166] [evidence IEA]; structural constituent of ribosome [goid 3735] [evidence IEA]

transferase activity [goid 16740] [evidence IEA]; protein phosphatase inhibitor activity [goid 4864] [pmid 1239] [evidence TAS];

coreceptor activity [goid 15026] [pmid 10359581] [evidence TAS]

MHC class I receptor activity [goid 30106] [evidence IEA]

oxygen transporter activity [goid 5344] [evidence IEA]; heme binding [goid 20037] [evidence IEA]; ligase activity [goid 4871] [evidence TAS]; nucleotide binding [goid 166] [evidence IEA]

zinc ion binding [goid 8270] [evidence IEA]; metal ion binding [goid 46872] [evidence IEA]; transcription factor activity [goid 4871] [evidence TAS]; receptor activity [goid 4872] [evidence IEA]; IgG binding [goid 19864] [evidence IEA]; GPI anchor binding [goid 4871] [evidence TAS]; sequence-specific DNA binding [goid 43565] [evidence IEA]; protein dimerization activity [goid 46983] [evidence IEA]; receptor activity [goid 4872] [evidence IEA]; interleukin-17 receptor activity [goid 30368] [pmid 9367539] [evidence TAS]; transmembrane receptor protein tyrosine phosphatase activity [goid 5001] [pmid 8798755] [evidence TAS]; receptor activity [goid 4872] [evidence IEA]; zinc ion binding [goid 8270] [evidence IEA]; metal ion binding [goid 46872] [evidence IEA]; peptidase activity [goid 4871] [evidence TAS];

actin binding [goid 3779] [evidence IEA]
calcium ion binding [goid 5509] [pmid 2149559] [evidence TAS]
folic acid binding [goid 5542] [pmid 8110752] [evidence TAS]; receptor activity [goid 4872] [evidence IEA]
molecular function unknown [goid 5554] [evidence ND]
cadherin binding [goid 45296] [evidence ISS]; protein kinase activity [goid 4672] [pmid 7592934] [evidence TA
transferase activity [goid 16740] [evidence IEA]; transmembrane receptor activity [goid 4888] [pmid 11081518]

structural constituent of ribosome [goid 3735] [evidence IEA]
binding [goid 5488] [evidence IEA]

hydrolase activity [goid 16787] [evidence IEA]; magnesium ion binding [goid 287] [evidence IEA]; manganese ion
transcriptional activator activity [goid 16563] [pmid 9689109] [evidence TAS]; DNA binding [goid 3677] [evidence
leukotriene receptor activity [goid 4974] [pmid 10391245] [evidence TAS]; receptor activity [goid 4872] [evidence

iron ion binding [goid 5506] [evidence IEA]; monooxygenase activity [goid 4497] [pmid 8486631] [evidence TA
protein phosphatase inhibitor activity [goid 4864] [evidence IEA]; actin binding [goid 3779] [evidence IEA]
protein-L-isoaspartate (D-aspartate) O-methyltransferase activity [goid 4719] [evidence IEA]

structural constituent of ribosome [goid 3735] [pmid 15883184] [evidence IDA]

protein binding [goid 5515] [pmid 15194699] [evidence IPI]

protein binding [goid 5515] [pmid 11544179] [evidence IPI]; RNA binding [goid 3723] [evidence IEA]

binding [goid 5488] [evidence IEA]
signal transducer activity [goid 4871] [pmid 8662509] [evidence NAS]
Rab GTPase binding [goid 17137] [pmid 10859313] [evidence IPI]; Rab GTPase activator activity [goid 5097] [p
binding [goid 5488] [evidence IEA]
receptor activity [goid 4872] [evidence IEA]; IgA binding [goid 19862] [evidence IEA]; receptor signaling protein
receptor activity [goid 4872] [evidence IEA]
ATPase activity [goid 16887] [evidence ISS]; microtubule binding [goid 8017] [evidence ISS]; ATP binding [goid
zinc ion binding [goid 8270] [evidence IEA]; metal ion binding [goid 46872] [evidence IEA]; protein binding [goid

zinc ion binding [goid 8270] [pmid 10608892] [evidence TAS]; metal ion binding [goid 46872] [evidence IEA]; p
transcriptional activator activity [goid 16563] [pmid 10976108] [evidence TAS]; transcriptional repressor activity
RNA binding [goid 3723] [pmid 9256445] [evidence TAS]; microtubule binding [goid 8017] [pmid 15851029] [e
protein binding [goid 5515] [pmid 12606567] [evidence IDA]

zinc ion binding [goid 8270] [evidence IEA]; metal ion binding [goid 46872] [evidence IEA]; double-stranded RNA
protein dimerization activity [goid 46983] [evidence IEA]; sequence-specific DNA binding [goid 43565] [evidence
glucose transporter activity [goid 5355] [evidence IEA]; transporter activity [goid 5215] [evidence IEA]; sugar p
transporter activity [goid 5215] [evidence IEA]

zinc ion binding [goid 8270] [pmid 11522286] [evidence TAS]; calcium ion binding [goid 5509] [pmid 7626002]
kinase activity [goid 16301] [evidence IEA]

receptor activity [goid 4872] [pmid 1358805] [evidence TAS]; hematopoietin/interferon-class (D200-domain) c

RNA binding [goid 3723] [evidence IEA]; hydrolase activity [goid 16787] [evidence IEA]; nucleotide binding [goid

zinc ion binding [goid 8270] [evidence IEA]; metal ion binding [goid 46872] [evidence IEA]; protein binding [goid 5518] [evidence IEA]; kinase activity [goid 16301] [evidence IEA]

zinc ion binding [goid 8270] [evidence IEA]; metal ion binding [goid 46872] [evidence IEA]; transcription factor

transferase activity [goid 16740] [evidence IEA]; nucleotide binding [goid 166] [evidence IEA]; eukaryotic transmembrane structural constituent of ribosome [goid 3735] [evidence NAS]

tumor necrosis factor receptor binding [goid 5164] [evidence IEA]

protein kinase binding [goid 19901] [pmid 11034606] [evidence IPI]; signal transducer activity [goid 4871] [pmid 111111] [evidence IPI]; signal transducer activity [goid 4871] [evidence IEA]

tapasin binding [goid 46980] [pmid 12047747] [evidence IPI]; peptide antigen binding [goid 42605] [pmid 111111] [evidence IPI]

transcription factor activity [goid 3700] [evidence IEA]

threonine endopeptidase activity [goid 4298] [evidence IEA]; RNA binding [goid 3723] [pmid 7681138] [evidence IEA]; ion channel inhibitor activity [goid 8200] [pmid 9653196] [evidence TAS]; receptor binding [goid 5102] [pmid 9495343] [evidence TAS]

transcription factor activity [goid 3700] [evidence IEA]; protein heterodimerization activity [goid 46982] [pmid 111111] [evidence IPI]

receptor activity [goid 4872] [evidence IEA]; signal transducer activity [goid 4871] [pmid 9495343] [evidence TAS]; metalloproteinase activity [goid 8237] [pmid 2564851] [evidence TAS]; aminopeptidase activity [goid 4177] [pmid 111111] [evidence IPI]

transcriptional repressor activity [goid 16564] [pmid 10523670] [evidence TAS]; transcription factor binding [goid 5518] [evidence IEA]; zinc ion binding [goid 8270] [evidence IEA]; metal ion binding [goid 46872] [evidence IEA]; nucleic acid binding [goid 3676] [evidence IEA]; 5-oxo-6E,8Z,11Z,14Z-icosatetraenoic acid binding [goid 50646] [pmid 12065583] [evidence NAS]; receptor activity [goid 4872] [evidence IEA]; transferase activity [goid 16740] [evidence IEA]; nucleotide binding [goid 166] [evidence IEA]; ATP binding [goid 5518] [evidence IEA]; nucleotide binding [goid 166] [evidence IEA]; GTP binding [goid 5525] [evidence IEA]; protein binding [goid 5518] [evidence IEA]

mRNA binding [goid 3729] [evidence NAS]; nucleic acid binding [goid 3676] [evidence IEA]; nucleotide binding [goid 166] [evidence IEA]; structural constituent of cytoskeleton [goid 5200] [pmid 9230079] [evidence TAS]

DNA binding [goid 3677] [evidence IEA]

hydrolase activity [goid 16787] [evidence IEA]; magnesium ion binding [goid 287] [pmid 11795870] [evidence IPI]; structural constituent of ribosome [goid 3735] [evidence IEA]

hydrolase activity [goid 16787] [evidence IEA]; NAD⁺ nucleosidase activity [goid 3953] [evidence IEA]; GPI anchor

chromatin binding [goid 3682] [pmid 9169582] [evidence TAS]; protein binding [goid 5515] [pmid 11242053] [

sugar binding [goid 5529] [pmid 10528209] [evidence TAS]

ATP binding [goid 5524] [evidence IEA]; transferase activity [goid 16740] [evidence IEA]; protein serine/threonine transferase activity [goid 16740] [evidence IEA]; Gram-positive bacterial binding [goid 51076] [pmid 11521063] binding [goid 5488] [evidence IEA]

ubiquitin protein ligase binding [goid 31625] [pmid 9859996] [evidence IPI]; NF-kappaB binding [goid 51059] [evidence IPI]; transferase activity [goid 16740] [evidence IEA]

transporter activity [goid 5215] [evidence IEA]

ligase activity [goid 16874] [evidence IEA]; ubiquitin-protein ligase activity [goid 4842] [evidence IEA]

actin binding [goid 3779] [evidence IEA]

hydrolase activity [goid 16787] [evidence IEA]

binding [goid 5488] [evidence IEA]; ATP binding [goid 5524] [evidence IEA]; transferase activity [goid 16740] [evidence IEA]; tapasin binding [goid 46980] [pmid 12047747] [evidence IPI]; peptide antigen binding [goid 42605] [pmid 11131113]

interleukin-1 receptor binding [goid 5149] [evidence IEA]; signal transducer activity [goid 4871] [pmid 8999896] clathrin binding [goid 30276] [pmid 10436022] [evidence IDA]; phospholipid binding [goid 5543] [evidence IEA] ATP binding [goid 5524] [evidence IEA]; chromatin binding [goid 3682] [evidence IEA]; DNA binding [goid 3677] calcium ion binding [goid 5509] [evidence IEA]; protein binding [goid 5515] [evidence IEA]

protein phosphatase type 1 activity [goid 163] [pmid 9414128] [evidence TAS]

receptor activity [goid 4872] [evidence IEA]; rhodopsin-like receptor activity [goid 1584] [evidence IEA]; interleukin-1 receptor activity [goid 5149] [evidence IEA]

zinc ion binding [goid 8270] [evidence IEA]; nucleic acid binding [goid 3676] [evidence IEA]

GTP binding [goid 5525] [evidence IEA]; structural molecule activity [goid 5198] [evidence IEA]; GTPase activity [goid 3924] [pmid 14645372] [evidence IDA]; zinc ion binding [goid 8270] [evidence IEA]; metal ion binding [goid 46872] [evidence IEA]; protein binding [goid 5515] [evidence IEA]

receptor activity [goid 4872] [evidence IEA]; G-protein coupled receptor activity, unknown ligand [goid 16526] [evidence IEA]

tropomyosin binding [goid 5523] [evidence IEA]

GTPase activity [goid 3924] [pmid 14645372] [evidence IDA]; GTP binding [goid 5525] [pmid 14645372] [evidence IDA]; growth factor activity [goid 8083] [evidence IEA]; insulin-like growth factor binding [goid 5520] [evidence IEA]

calmodulin binding [goid 5516] [evidence IEA]; structural constituent of cytoskeleton [goid 5200] [pmid 88938] protein binding [goid 5515] [pmid 12812986] [evidence IPI]

enzyme activator activity [goid 8047] [pmid 9079638] [evidence TAS]; growth factor activity [goid 8083] [evidence IEA]

DNA binding [goid 3677] [evidence IEA]

chromatin binding [goid 3682] [pmid 8663349] [evidence TAS]; protein binding [goid 5515] [pmid 15502821] [

transferase activity [goid 16740] [evidence IEA]; ubiquitin-protein ligase activity [goid 4842] [evidence ISS]; pro
ATP binding [goid 5524] [evidence IEA]; hydrolase activity [goid 16787] [evidence IEA]; nucleotide binding [goid 166] [evidence IEA]; transcription regulator activity [goid 30528] [evidence IEA]; transcription factor activity [goid 3700] [pmid 109
cell adhesion molecule binding [goid 50839] [evidence ISS]

oxidoreductase activity [goid 16491] [evidence IEA]; cytochrome-c oxidase activity [goid 4129] [pmid 8382530
sequence-specific DNA binding [goid 43565] [evidence IEA]; transcription factor activity [goid 3700] [pmid 234

transferase activity [goid 16740] [evidence IEA]; protein-tyrosine kinase activity [goid 4713] [pmid 7970727] [e
zinc ion binding [goid 8270] [pmid 2251898] [evidence TAS]; gelatinase B activity [goid 4229] [pmid 16192646]
acyltransferase activity [goid 8415] [evidence IEA]; transferase activity [goid 16740] [evidence IEA]; calcium ion
electron carrier activity [goid 9055] [pmid 1692159] [evidence TAS]; binding [goid 5488] [evidence IEA]; protei

transferase activity [goid 16740] [evidence IEA]; small GTPase regulator activity [goid 5083] [evidence IEA]; nu
enzyme activator activity [goid 8047] [pmid 2300173] [evidence TAS]; binding [goid 5488] [pmid 2300173] [ev
threonine endopeptidase activity [goid 4298] [evidence IEA]

DNA-dependent ATPase activity [goid 8094] [evidence IEA]; nucleoside-triphosphatase activity [goid 17111] [e
transferase activity [goid 16740] [evidence IEA]; nucleotide binding [goid 166] [evidence IEA]; ATP binding [goid 5524] [evidence IEA]; cytokine activity [goid 5125] [evidence IEA]

ligase activity [goid 16874] [evidence IEA]; ubiquitin-protein ligase activity [goid 4842] [pmid 12853982] [evid

RNA binding [goid 3723] [pmid 9887331] [evidence TAS]; nucleotide binding [goid 166] [evidence IEA]

magnesium ion binding [goid 287] [pmid 15632002] [evidence TAS]; calcium ion binding [goid 5509] [pmid 166

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protein binding [goid 5515] [evidence IEA]; translation elongation factor activity [goid 3746] [evidence IEA]

DNA binding [goid 3677] [evidence IEA]; zinc ion binding [goid 8270] [evidence IEA]; metal ion binding [goid 46

transferase activity [goid 16740] [evidence IEA]; protein binding [goid 5515] [pmid 16169070] [evidence IPI]

pyridoxal phosphate binding [goid 30170] [pmid 15650327] [evidence IDA]; transferase activity [goid 16740] [e

hydrolase activity [goid 16787] [evidence IEA]; nucleotide binding [goid 166] [evidence IEA]; helicase activity [g

calcium-dependent phospholipid binding [goid 5544] [evidence IEA]; calcium ion binding [goid 5509] [evidence
protein-arginine deiminase activity [goid 4668] [pmid 10488123] [evidence TAS]; hydrolase activity [goid 1678
calcium ion binding [goid 5509] [evidence IEA]

zinc ion binding [goid 8270] [evidence IEA]; nucleic acid binding [goid 3676] [evidence IEA]

transcriptional repressor activity [goid 16564] [pmid 12724404] [evidence IDA]; transcription factor activity [g

transporter activity [goid 5215] [evidence IEA]

sequence-specific DNA binding [goid 43565] [evidence IEA]

1-phosphatidylinositol-4-phosphate 5-kinase activity [goid 16308] [evidence IEA]; kinase activity [goid 16301]
GTP binding [goid 5525] [evidence IEA]; GTPase activity [goid 3924] [pmid 7811277] [evidence TAS]; nucleotid
transcription factor activity [goid 3700] [pmid 11782478] [evidence IDA]; ligand-dependent nuclear receptor a
zinc ion binding [goid 8270] [evidence IEA]; metal ion binding [goid 46872] [evidence IEA]

protein binding [goid 5515] [evidence IEA]

zinc ion binding [goid 8270] [evidence IEA]; metal ion binding [goid 46872] [evidence IEA]; hematopoietin/inte
glutamate-ammonia ligase activity [goid 4356] [evidence IEA]; actin binding [goid 3779] [evidence IEA]; protei

receptor activity [goid 4872] [evidence IEA]; interleukin-9 receptor activity [goid 4919] [pmid 1376929] [eviden
unfolded protein binding [goid 51082] [evidence IEA]; heat shock protein binding [goid 31072] [evidence IEA]
DNA binding [goid 3677] [pmid 15888725] [evidence IDA]; zinc ion binding [goid 8270] [evidence IEA]; metal ic
DNA binding [goid 3677] [pmid 10449920] [evidence NAS]

Synonyms

Z32; mgU2-19/30

DDIT2; CR6; GADD45gamma; GRP17

MOAT-C; pABC11; ABC33; MRP5; SMRP; EST277145; DKFZp686C1782; MOATC
; IEA]; signal transducer activity [goid 4871] [evidence IEA]
bA810I22.1; RP11-810I22.1; FLJ11240; C6orf209

GLIPR2; GAPR-1

pp90RSK2; MAPKAPK1B; CLS; RSK2; RSK; S6K-alpha3; p90-RSK2; ISPK-1; MRX19; HU-3
QRX; MGC15631; ARMD6; CORD11

DKFZP666B131; PBEF; 1110035O14Rik; NAMPT; MGC117256

UPA; URK; u-PA; ATF

PR72; PPP2R3; PR130

FLJ13456; ZYG11

SAR2; TSPAN27; GR15; ST6; KAI1; 4F9; C33; IA4; R2

RPB11; MGC71910; hRPB14; RPB11m; RPB11A; POLR2J1

FLJ46426

DLX2; DYX2; DYX2

RLPK; MSPK1; MGC1911; MSK1

EGFL5

H2a-615; H2A; H2AFO; HIST2H2AA; H2A/q; H2A/O; H2A.2
TRP14; MGC14353

MPS-1; MPS1
C1orf139; FLJ23091; WLS; MGC131760; MRP; MGC14878

CSF2R; CSF2RAY; CSF2RX; GM-CSF-R-alpha; CSF2RAX; CD116; MGC3848; CDw116; GMR; MGC4838; CSF2RY; G

RAMP; SCLL; MYM; FIM; ZNF198
G5pr; FLJ20644; G4-1; C14orf10
GPCR1; GPCR150
CSTP1
MGC119678; MGC119680
NECAB2
CACH6; BII; CACNL1A6; Cav2.3
E3; PHE3; DLDH; GCSL; LAD
HRG4

CGI-119; ZPRO; S1R
SWIP1; WSB-1
FLJ33845; KIAA1720
MGC131982; KIAA0529; UNPH4; MGC149838; MGC74854

FTS; FT1
DKFZP667O116; RNF109; FLJ35608
C10orf7; D123
NKX3A; BAPX2; NKX3; NKX3.1
FLJ13055; DKFZp761E1121; PRG-4
MGC126411; FLJ90554; KIAA1247; HSULF-2; DKFZp313E091
PC4; TIS7

bA479K20.1; KIAA0625; Lmnt2; MGC21884; NTNG1; KIAA1857

FLJ13639
HCP1; PDE7
PYHIN3
E2FBP1; BRIGHT; DRIL3; DRIL1
MGC131732; FLJ33216

RP11-475E11.6; KIAA0761; MCLC
MGC104792; TROB; APRO6; TROB1; PIG49; TOB; MGC34446
FLJ22835; IFI75; VODI; IFI41
MGC111419; LMN; LMNB; LMN2
PAR2; GPR11

NRK1; bA235O14.2; RP11-235O14.2; FLJ20559
DHRS8; PAN1B; RETSDR2

SIRP-BETA-1; CD172b; DKFZp686A05192
CD119; IFNGR; FLJ45734

DKFZp547L163; FLJ20739
KIAA0158; hNedd5; DIFF6; NEDD5
CLEC6; MGC40078; CLECSF8; CLEC-6; MPCL; MCL

PHS-2; COX-2; hCox-2; COX2; PGHS-2; PGG/HS

MGC126681; NEP; CD10; MGC126707; DKFZp686O16152; CALLA
BUP1
TAFII68; TAF2N; RBP56; hTAFII68; Npl3
BC200a; BC200
DKFZp781P1719; C3G; GRF2
FOAP-4; GPI-80
MGC87867; PnSP-2; HIN1; HIN-1; UGRP2; LU105

MGC20741
DKFZp686B1993; TRX; MGC61975
PACPL1; ACPL1; LPAP

MGC3606; PKR2; PRKAR2
cN-II; NT5B; PNT5; GMP
E2(17)KB3; MGC43926; UBCH5C; MGC5416; UBC4/5
G17; PBX2MHC; HOX12
DKFZp781D2217; PFK-2/FBPase-2; MGC138308; MGC138310
FLJ32028
PROSIT240; FLJ21627; MED13L; KIAA1025; TRAP240L; DKFZp781D0112
AC; FLJ22079; FLJ21558; PHP32; ASAH; PHP
FACL2; LACS; FACL1; ACS1; LACS2; LACS1
MGC22484; PSG14; PSG13
KIAA1145
DKFZp434I1020; FLJ45937; MGC119618
TSP; THBS; TSP1
OATP-M1; SLC21A20; OATPX; OATP4C1; OATP-H; PRO2176
MEA5; FLJ23355; NCOAT; FLJ11229; KIAA0679
HB24
MGC126411; FLJ90554; KIAA1247; HSULF-2; DKFZp313E091
FLJ11153
IFI-6-16; 6-16; IFI616; G1P3; FAM14C

LL37; FALL39; CAP18; HSD26; FALL-39
H2B/j; H2BFJ
CD266; TWEAKR; FN14

FLJ46828; FAAP24; MGC32020
DKFZp686F01145; DKFZp686G24132
ISGF-3; STAT91; DKFZp686B04100

CD87; UPAR; URKR

IL4RA; CD124
GIOT-4; KOX6
de binding [goid 166] [evidence IEA]
CKLFH; CKLFSF1; CKLFH1; MGC71870
PLAP; ALP
GADD45; DDIT1
ICAp69; ICA69
CLH22; CLTD; CHC22; CLTCL

FLJ36101; SFRSK2
DKFZp686A20267

NEP; MGC126681; CD10; MGC126707; DKFZp686O16152; CALLA
orylase activity [goid 4645] [evidence IEA]; glycogen phosphorylase activity [goid 8184] [pmid 9529348] [evidence IEA]
ASP; FLJ25776
BCE-1; ESG4; ESG; GRG4; E(spl)
PheHB; FRSB

RNPL; IS1-RNPL

RNM561; IFI-56; IFI56; GARG-16; IFNAI1; G10P1

DFFRY; SP3; AZF; AZFA

BGR; DECTIN1; CLECSF12
id 12670868] [evidence IPI]
UTY1; DKFZp686L12190
D3S1319E; PFL
MGC104659; MAD; MAD1
KAR
Ht006; SF3B14a; SAP14; CGI-110; HSPC175; P14

MGC125447; MGC125448
CKLiK; CaMKID; CaM-K1

PRKR; PKR; MGC126524; EIF2AK1
MGC14978
FLJ90675; GPP34; GOPP1
RP11-3J10.8; hRrp40p; MGC15120; p10; Rrp40p; CGI-102; RRP40; MGC723; bA3J10.7

GOS8

MGC126867; GMF-GAMMA

UCK-1; CKLF1; CKLF4; CKLF2; CKLF3; C32; HSPC224
FLJ20525

DHQV; DIA6; NMOR2; QR2
FLJ14767; MAWDBP; FLJ35507; MAWBP
PRA; CABP; 2A9; 5B10; CACY
DKFZp7621137; MGC156120

MGC45871
EZNF; TCF17; KID-1; HKL1; KID1
CFAG; MAC387; 60B8AG; MIF; MRP14; CGLB; CAGB; NIF; LIAG; P14; L1AG

dJ331H24.1; FLJ21079; MGC102783
CRBP4; MGC70641; CRBPIV

PVRR2; HVEB; PRR2; CD112
DKFZp686M11215
HSTD; histidase; HIS
KIAA1001
MGC2621; UBPO; KIAA0190

RP11-217H1.1; bA217H1.1; PRO0756; MGC64926; FLJ14726
Exo84p; SEC84; EXO84
TRIP2; PPARGBP; RB18A; MGC71488; MED1; CRSP200; TRAP220; CRSP1; PBP; DRIP205; DRIP230

LTBR1; P2Y7; CMKRL1; P2RY7; BLTR; BLT1; GPR16; LTB4R1
HKII; HXK2; DKFZp686M1669

KIAA1079; cprk; AATYK2; KPI-2; BREK; KPI2; LMR2
MGC133242; ERIC1; MGC117382
MD-2

FLJ20696; FLJ10652
FLJ16050
KIAA1093
MGC138429; 9130423L19Rik; KOX18; ZNF139; PHZ-37; ZNF36
CD16b; FCG3; CD16; FCGR3
CRE-BPA
hIL-17R; IL-17RA; MGC10262; CDw217; IL17R
PTPRP; ICAAR; IAR; IA-2beta
G1RZFP; MGC138647; GOLIATH; MGC99542; MGC117241; GP

DA2B; AMCD2B; FSSV
CFAG; 60B8AG; MRP8; CGLA; L1Ag; MIF; MA387; CAGA; CP-10; NIF; P8
FR-gamma; gamma-hFR; FR-G
NY-BR-1.1
p35nck5a; CDK5P35; MGC33831; NCK5A; p23; p35; p25; CDK5R
KIAA0012; DKFZp547I0610; TIL; CD281; MGC126312; MGC104956; rsc786; DKFZp564I0682; MGC126311

AGP2; AGP-B; AGP-B'
KIAA0912

PPC2BETAX; MGC21657; PP2CB; PP2C-beta-X; PP2CBETA
GBF; ZF9; ST12; CPBP; BCD1; PAC1; DKFZp686N0199; COPEB
CYSLTR; MGC46139; HMTMF81; CYSLT1R; CYSLT1; HG55

FLJ23476; IRIP; FLJ26165; RP11-109P14.4; SUA5; DRIP3
CPF3; CYP4F; LTB4H
RPEL; MGC126577; KIAA1733; MGC126575; RPEL1; dJ257A7.2
FLJ10883

FLJ10460; C15orf25; HsT17025

MGC20672; GM130

KIAA1408; MGC138835; HUPF2; DKFZP434D222; RENT2; MGC138834
7SK
UTY1; DKFZp686L12190
MGC133042; MYPT1; MBS
RAB3GAP; RAB3GAP130; P130; DKFZp434A012; KIAA0066; WARBM1
FLJ14051; FLJ10008
CD89
MGC33613; PIGR3
KIAA0591; HMSNII; CMT2; KIAA1448; CMT2A; MGC134844; KLP; FLJ23699; CMT2A1
MGC142212; MGC142210; KIAA0244

MDMX; DKFZp781B1423; MRP1; MGC132766
Epl1; DKFZp781P2312
MIG14; MGC117333; dJ800J21.1; FLJ30608; MGC126076; Mnnp41; MRNP41; dJ481F12.3; MGC126077
CASP; CYTIP; HE; CYBR; B3-1

Zfp346; JAZ; DKFZp547M223
JUNDM2
MGC118833; MGC118830; GLUT10; SLC2A11-a; SLC2A11-c; GLUT11
MGC132523; SGLT4; MGC132517

CAAF1; CAGC; ENRAGE; p6; CGRP; MRP6
RP3-503M14.1; MGC21854; CAPZIP; MGC126611; MK2S4; MGC126585

CSF2R; CSF2RAY; CSF2RX; GM-CSF-R-alpha; CSF2RAX; CD116; MGC3848; CDw116; GMR; MGC4838; CSF2RY; GSDHAL1

MGC2821; FLJ21167

KIAA0348; INPP5H; MGC44422
SYN10; hsyn10
RNF189; RNF34L
COQ8; FLJ12229
Z147; ZNF147; EFP; RNF147
MGC70444; MGC21968
RP3-422G23.1; KIAA1244; C6ORF34B; PP23; SOUL; C6orf34
GCN2; KIAA1338
MGC117346; rpL17; MGC111167; MGC72008

ZTNF4; TALL-1; THANK; TNFSF20; CD257; delta BAFF; TALL1; BLYS; BAFF
GIG3; MORT1; MGC8528
RGS13
RING11; PSF2; APT2; ABC18; ABCB3; D6S217E
MGC15827

PRG1; PPG; PRG; FLJ12930; MGC9289
TBR2
MGC22853; MGC14751; PROS30; HC2; MGC1667; MGC21459; MGC14542; MGC23915; NU; MGC14575
MGC4319; MGC78563; MGC8394
FLJ36756; FLJ13081
HIF-1alpha; MOP1; PASD8; HIF1-ALPHA
KAT3
EVDB; D17S376
AS]; insulin receptor binding [goid 5158] [evidence IEA]
APN; gp150; CD13; LAP1; PEPN

HD4; HDAC-A; KIAA0288; HA6116; HDACA
FLJ23765; FLJ31827
GPR170; GPCR; TG1019
MEKK2; MEKK2B
RAP1; KREV-1; KREV1; SMGP21

S164; MGC105088; RNPC7; MGC117168
ARC16; dJ127C7.3; p16-Arc

MGC27337; PN-I; PSN1; UMPH1; MGC87828; UMPH; MGC87109; cN-III; P5'N-1
PP9932
FLJ11795; MGC126014; MGC126013

CD157

M31; HP1Hs-beta; CBX; HP1-BETA; MOD1

FLJ40915

CLECSF9; MINCLE

HSPC164; SHUJUN-3; CDAO5

ine kinase activity [goid 4674] [pmid 9154127] [evidence TAS]; protein-tyrosine kinase activity [goid 4713] [evi

CD282; TIL4

CG7943; MGC14836

IKBA; NFKBI; MAD-3

NLRR-3; NLRR3; FLJ11129

TAT1; FLJ32714

DKFZp686M17164; NEDL2

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RIPK7; ROCO2; PARK8; AURA17

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MGC12320; IL-18; IL1F4; IGIF; IL-1g

LAP; CALM; CLTH

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CDw325; CDHN; NCAD

PPP1R6; DKFZp781L2441

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CD182; CMKAR2; IL8RA; IL8R2; CXCR2; CDw128b

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TUBA1; H2-ALPHA; FLJ30169

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FLJ14629; FLJ34384; ORP9; FLJ14801; FLJ32055; MGC15035; FLJ12492

GPCR4; EX33

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IGFBP9; NOVH; CCN3

ADDL

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GROa; GRO1; MGSA alpha; NAP-3; MGSA-a; MGSA; SCYB1

FLJ10583; WINS1

MGC74712; PAIP; LEDGF; p75; PSIP2; p52; DFS70

HP1-GAMMA; HP1Hs-gamma; HECH
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p63; CLIMP-63; MGC99554; ERGIC-63

Fbl13; FLJ38068; MGC21636
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TCFL4; MXD7; MAD7
SDFR1; GP55; DKFZp686L2477; np65; np55; GP65; SDR1; MGC102805

] [evidence TAS]
OCT1; OTF1

PSCTK2; PSCTK3; ETK
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BRUNOL3; ETR-3; NAPOR

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STRF2; FLJ12666; RP11-781D11.2
C15orf1; PP32; PHAPI; MGC150373; PHAP1; I1PP2A; LANP; MAPM; MGC119787

NPD009; GABAT; GABA-AT

KIAA1564; DKFZp686N17164; HELSNF1

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PADI5; PDI4; PDI5; PAD
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Pip4k2B; PIP5KIIB
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WDR2; CLIPINB; IR10

CD129
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WBSCR7

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