Table 1. Some descriptors of studied molecules calculated by B3LYP/6-31G(d,p)

No	E_{HOMO} (eV)	E_{LUMO} (eV)	ΔE^1 (eV)	μ (eV)	η (eV)	s (eV^{-1})	ω (eV)	Dipole Moment (D)	Polarizability (au)	E^2 (eV)	Activity, EC_{50} (μg/mL)
1	-6.23	-0.83	5.40	-3.53	2.70	0.370	2.308	4.688	201.866	-34446.716	0.06
2	-5.57	-1.47	4.10	-3.52	2.05	0.488	3.022	4.343	218.214	-43837.695	NA
3	-5.39	-1.24	4.15	-3.32	2.08	0.482	2.648	4.914	206.415	-31331.256	NA
4	-5.37	-0.94	4.43	-3.16	2.21	0.451	2.247	4.651	215.477	-32400.419	NA
5	-5.35	-1.17	4.18	-3.26	2.09	0.478	2.542	4.578	218.693	-32400.500	NA
6	-5.52	-1.37	4.15	-3.45	2.08	0.482	2.860	4.378	206.709	-34031.715	NA
7	-5.63	-1.55	4.08	-3.59	2.04	0.490	3.159	4.183	218.167	-40502.313	NA
8	-5.33	-1.20	4.13	-3.27	2.06	0.484	2.581	4.883	221.285	-32400.500	NA
9	-5.31	-0.93	4.38	-3.12	2.19	0.457	2.222	4.533	229.960	-33469.663	NA
10	-5.32	-0.85	4.47	-3.09	2.24	0.447	2.129	5.511	227.938	-33469.663	NA
11	-5.31	-1.12	4.19	-3.22	2.10	0.477	2.467	4.802	231.914	-33469.718	NA
12	-5.21	-0.89	4.32	-3.05	2.16	0.463	2.153	5.427	220.327	-34446.716	NA
13	-6.14	-0.52	5.62	-3.33	2.81	0.356	1.973	3.796	189.490	-24590.122	0.05
14	-5.25	-0.99	4.26	-3.12	2.13	0.469	2.285	5.341	208.909	-33378.179	4.5
15	-5.96	-0.48	5.48	-3.22	2.74	0.365	1.892	3.526	202.541	-25659.340	0.03
16	-5.21	-0.95	4.26	-3.08	2.13	0.469	2.227	5.114	221.965	-34447.396	0.4
17	-5.43	-1.20	4.23	-3.32	2.12	0.473	2.598	5.445	221.314	-45884.618	0.9
18	-6.29	-0.92	5.37	-3.61	2.68	0.372	2.420	5.819	202.737	-32400.473	0.2
19	-5.60	-1.51	4.09	-3.56	2.05	0.489	3.090	5.603	218.612	-43837.695	0.02
20	-5.41	-1.27	4.14	-3.34	2.07	0.483	2.695	5.902	206.868	-31331.229	0.05
21	-5.39	-1.00	4.39	-3.20	2.20	0.456	2.325	6.274	216.142	-32400.419	0.065±0.035
22	-5.36	-1.22	4.14	-3.29	2.07	0.483	2.615	5.448	219.254	-32400.473	0.015±0.007

23	-5.53	-1.41	4.12	-3.47	2.06	0.485	2.923	5.634	207.330	-34031.688	0.038
24	-5.65	-1.61	4.04	-3.63	2.02	0.495	3.262	5.466	219.123	-40502.313	0.09
25	-5.35	-1.23	4.12	-3.29	2.06	0.485	2.627	5.985	221.665	-32400.473	NA
26	-5.33	-0.94	4.39	-3.14	2.20	0.456	2.239	5.846	230.238	-33469.636	0.15
27	-5.35	-0.94	4.41	-3.15	2.20	0.454	2.243	5.773	229.057	-33469.636	0.023±0.011
28	-5.33	-1.14	4.19	-3.24	2.10	0.477	2.498	5.891	232.385	-33469.691	0.03±0.07
29	-5.21	-0.81	4.40	-3.01	2.20	0.455	2.059	6.019	220.888	-34446.743	1.0
30	-6.18	-0.56	5.62	-3.37	2.81	0.356	2.021	5.645	190.082	-24590.122	25
31	-5.25	-1.00	4.25	-3.13	2.12	0.471	2.298	6.959	209.719	-33378.179	2
35	-5.79	-1.80	3.99	-3.80	2.00	0.501	3.610	5.358	203.427	-25659.312	2.5
36	-5.82	-2.61	3.21	-4.22	1.60	0.623	5.535	6.839	222.728	-34447.396	NA
32	-6.00	-0.54	5.46	-3.27	2.73	0.366	1.958	7.183	222.223	-45884.618	0.15±0.071
33	-5.22	-0.92	4.30	-3.07	2.15	0.465	2.192	6.196	223.645	-33841.262	0.5
34	-5.44	-1.19	4.25	-3.32	2.12	0.471	2.586	5.788	224.483	-36895.850	1.8
37	-5.55	-1.55	4.00	-3.55	2.00	0.500	3.151	6.039	237.697	-37531.100	NA
38	-5.69	-0.76	4.93	-3.23	2.46	0.406	2.110	3.037	217.341	-38029.477	1-3
39	-5.61	-0.37	5.24	-2.99	2.62	0.382	1.706	3.108	227.124	-39097.606	NA
40	-5.64	-0.60	5.04	-3.12	2.52	0.397	1.931	2.272	210.664	-35982.364	NA
41	-5.79	-0.90	4.89	-3.35	2.44	0.409	2.288	5.019	193.240	-24016.996	1.6-3.1
42	-5.43	-0.49	4.94	-2.96	2.47	0.405	1.774	4.677	206.585	-25523.011	NA
43	-5.77	-1.14	4.63	-3.46	2.32	0.432	2.578	4.734	193.871	-26717.373	0.4-0.8
44	-5.72	-1.23	4.49	-3.48	2.24	0.445	2.689	4.658	204.948	-36523.435	0.8
45	-5.86	-1.19	4.67	-3.53	2.34	0.428	2.661	4.637	212.752	-93980.543	0.8
46	-5.61	-0.86	4.75	-3.24	2.38	0.421	2.203	5.025	205.793	-25086.186	0.2-0.3
47	-5.26	-0.91	4.35	-3.09	2.18	0.460	2.188	4.777	211.977	-27132.401	0.6
48	-5.31	-0.95	4.36	-3.13	2.18	0.459	2.247	4.482	198.384	-26063.647	NA

49	-5.73	-1.28	4.45	-3.51	2.22	0.449	2.761	4.522	206.365	-33188.107	NA
50	-6.00	-1.24	4.76	-3.62	2.38	0.420	2.753	5.018	223.292	-26122.342	2
51	-5.61	-1.23	4.38	-3.42	2.19	0.457	2.670	4.988	223.443	-28468.318	0.5
52	-5.61	-0.86	4.75	-3.24	2.38	0.421	2.203	5.357	238.473	-28293.376	NA
53	-5.55	-0.97	4.58	-3.26	2.29	0.437	2.320	5.182	260.960	-30302.366	NA
54	-5.75	-1.58	4.17	-3.67	2.08	0.480	3.221	6.949	269.471	-33385.907	NA
55	-5.71	-0.79	4.92	-3.25	2.46	0.407	2.147	5.107	207.681	-25086.240	4
56	-6.05	-1.52	4.53	-3.79	2.26	0.442	3.163	5.905	236.566	-40974.621	NA
57	-5.40	-1.43	3.97	-3.42	1.98	0.504	2.938	5.441	243.748	-28196.612	NA
58	-5.57	-1.30	4.27	-3.44	2.14	0.468	2.763	4.466	236.051	-28196.530	NA
59	-5.53	-0.78	4.75	-3.16	2.38	0.421	2.096	5.435	281.753	-32537.428	NA
60	-5.66	-0.80	4.86	-3.23	2.43	0.412	2.147	4.878	206.332	-25086.240	8
61	-5.79	-1.50	4.29	-3.65	2.14	0.466	3.097	6.677	218.098	-49029.765	10-20
62	-5.42	-0.79	4.63	-3.11	2.32	0.432	2.082	5.410	198.501	-26063.483	NA
63	-5.74	-0.99	4.75	-3.37	2.38	0.421	2.384	4.229	194.494	-26717.536	10
64	-5.27	-0.62	4.65	-2.95	2.32	0.430	1.865	2.306	197.190	-23475.979	5-10
65	-5.83	-1.05	4.78	-3.44	2.39	0.418	2.476	6.665	223.564	-27628.900	NA

[1] $\Delta E^{1} = E_{HOMO} - E_{LUMO}$

[2] Sum of electronic and zero-point Energies

Table 2. Mulliken charges on some atoms of studied molecules calculated by B3LYP/6-31G(d,p)

No	C_1	C_2	C_3	C_4	C_5	C_6	C_8	N_9	$(O/S)_{39}$
1	0.007	-0.095	-0.089	-0.093	-0.130	0.348	0.107	-0.444	-0.263
2	0.080	-0.102	-0.087	-0.064	-0.102	-0.074	0.073	-0.451	-0.239
3	0.081	0.106	0.088	0.079	0.091	0.091	0.075	0.453	-0.254
4	0.023	-0.094	-0.090	-0.076	-0.128	0.119	0.071	-0.444	-0.260
5	0.084	-0.111	-0.086	-0.115	0.116	-0.127	0.075	-0.452	-0.258
6	0.077	0.105	0.090	0.132	0.352	0.146	0.075	0.451	-0.243
7	0.071	-0.094	-0.093	-0.092	-0.049	-0.106	-0.075	-0.452	-0.237
8	0.082	-0.106	-0.123	0.129	-0.125	-0.092	0.074	-0.453	-0.258
9	0.021	-0.094	-0.127	0.137	-0.168	0.124	0.071	-0.444	-0.263
10	0.025	-0.133	0.123	-0.111	-0.127	0.115	0.715	-0.444	-0.262
11	0.089	-0.150	0.124	-0.148	0.119	-0.134	0.072	-0.450	-0.258
12	0.011	-0.094	-0.089	-0.092	-0.131	0.346	0.106	-0.446	-0.265
13	0.013	-0.125	-0.103	-0.082	-0.103	0.302	0.549	-0.543	-0.569
14	0.068	-0.117	-0.097	-0.083	-0.101	0.294	0.080	-0.469	-0.278
15	0.019	-0.170	0.115	-0.118	-0.100	0.296	0.548	-0.542	-0.578
16	0.075	-0.163	0.122	-0.118	-0.098	0.287	0.079	-0.469	-0.281
17	0.071	-0.103	-0.107	-0.069	-0.098	0.297	0.082	-0.468	-0.266
18	0.082	-0.111	-0.086	-0.115	0.117	-0.123	0.078	-0.454	-0.261
19	0.073	-0.099	-0.087	-0.064	-0.103	-0.070	0.083	-0.463	-0.250
20	0.083	-0.106	-0.088	-0.079	-0.089	-0.089	0.075	-0.452	-0.256
21	0.021	-0.093	-0.090	-0.077	-0.127	0.122	0.072	-0.444	-0.262
22	0.084	-0.112	-0.087	-0.112	0.116	-0.125	0.077	-0.454	-0.261
23	0.076	-0.106	-0.090	-0.132	0.352	0.143	0.078	-0.453	-0.247
24	0.073	-0.095	-0.093	-0.091	-0.048	-0.104	0.074	-0.452	-0.239
25	0.083	-0.107	-0.124	0.130	-0.123	-0.089	0.074	-0.453	-0.261
26	0.021	-0.094	-0.127	0.137	-0.166	0.127	0.072	-0.444	-0.265
27	0.025	-0.132	0.122	-0.112	-0.126	0.118	0.072	-0.444	-0.264
28	0.087	-0.152	0.126	-0.148	0.120	-0.130	0.076	-0.453	-0.262
29	0.021	-0.095	-0.091	-0.092	-0.134	0.344	0.103	-0.447	-0.275
30	0.013	-0.123	-0.104	-0.083	-0.103	0.302	0.552	-0.545	-0.580
31	0.067	-0.115	-0.097	-0.083	-0.101	0.294	0.08	-0.469	-0.276
32	0.019	-0.169	0.115	-0.118	-0.100	0.296	0.550	-0.543	-0.579
33	0.075	-0.162	0.122	-0.118	-0.098	0.288	0.080	-0.469	-0.282
34	0.070	-0.100	-0.108	-0.070	-0.098	0.298	0.083	-0.468	-0.266
35	0.074	-0.093	-0.090	-0.072	0.095	-0.083	0.075	-0.455	-0.233
36	0.057	-0.084	-0.099	-0.083	0.234	-0.089	0.081	-0.459	-0.231

37	0.065	-0.078	-0.101	-0.091	0.013	-0.115	0.086	-0.458	-0.261
38	0.010	-0.129	-0.154	0.334	-0.141	0.302	0.620	-0.568	-0.604
39	-0.007	-0.116	-0.143	0.325	-0.151	0.327	0.544	-0.541	-0.528
40	0.037	-0.117	-0.148	0.326	-0.116	-0.101	0.568	-0.563	-0.534
41	0.012	-0.137	-0.100	-0.083	-0.103	0.301	0.616	-0.563	-0.597
42	0.003	-0.142	-0.126	0.298	-0.146	0.300	0.613	-0.568	-0.607
43	0.013	-0.198	0.342	-0.135	-0.105	0.304	0.621	-0.563	-0.595
44	0.014	-0.120	-0.113	-0.070	-0.099	0.306	0.622	-0.563	-0.594
45	0.012	-0.141	0.039	-0.088	-0.102	0.308	0.624	-0.563	-0.595
46	0.019	-0.180	0.119	-0.119	-0.100	0.295	0.617	-0.564	-0.599
47	0.014	-0.180	0.344	-0.129	-0.116	0.300	0.616	-0.562	-0.595
48	0.012	-0.162	0.318	-0.128	-0.108	0.298	0.615	-0.562	-0.596
49	0.006	-0.156	-0.053	-0.097	-0.106	0.312	0.631	-0.565	-0.599
50	0.017	-0.200	0.131	-0.121	-0.103	0.301	0.624	-0.565	-0.600
51	0.006	-0.152	0.256	-0.092	-0.116	0.309	0.624	-0.563	-0.595
52	0.013	-0.142	-0.134	0.153	-0.157	0.293	0.620	-0.567	-0.602
53	0.010	-0.174	0.058	-0.115	-0.108	0.302	0.619	-0.564	-0.597
54	0.002	-0.174	0.035	-0.094	-0.107	0.311	0.625	-0.565	-0.598
55	0.009	-0.135	-0.131	0.129	-0.145	0.303	0.619	-0.565	-0.602
56	0.023	-0.132	-0.133	0.297	-0.118	0.305	0.627	-0.566	-0.595
57	0.016	-0.203	0.103	0.113	-0.173	0.307	0.615	-0.559	-0.589
58	-0.059	0.067	0.095	-0.123	-0.099	0.303	0.592	-0.554	-0.597
59	0.021	-0.187	0.091	0.096	-0.150	0.290	0.619	-0.566	-0.600
60	0.024	-0.143	-0.095	-0.122	0.092	0.260	0.617	-0.565	-0.601
61	0.018	-0.118	-0.110	-0.056	-0.140	0.339	0.627	-0.563	-0.592
62	0.024	-0.117	-0.100	-0.124	0.303	0.263	0.597	-0.582	-0.546
63	-0.063	0.301	-0.141	-0.087	-0.102	0.303	0.646	-0.577	-0.606
64	0.022	-0.143	-0.103	-0.084	-0.116	0.275	0.585	-0.556	-0.566
65	0.018	-0.142	-0.088	-0.093	-0.094	0.285	0.582	-0.549	-0.548

Table 3. Fukui functions of studied molecules calculated by B3LYP/6-31G(d,p)

HOMO COEFFICCIENT																														
No	**2C**	**3C**	**4C**	**6C**	**9C**	**15N**	**19H**	**20H**	**23H**	**24N**	**25H**	**26C**	**27O**	**28C**	**29C**	**30C**	**31C**	**32C**	**33C**	**34C**	**35C**	**36O/S**	**37O**	**39C**	**40 C/N**	**41 O/N/H**	**42 C/N**	**43C**	**44C**	**47C**	**53C**
1													14.37			11.12	16.52	3.05	6.65	18.46	7.32	8.31			12.83						
2										1.62					2.35	2.40		1.69			1.83	86.22									
3										1.63					2.24	2.61		1.54			1.80	86.44									
4															2.27	2.95	1.67	1.65			2.53	85.52									
5										1.51					2.18	2.74		1.87			2.16	85.71									
6										1.50					2.32	2.50		1.96		2.10	85.93										
7										1.71					2.44	2.30	1.02	1.25			1.45	87.12									
8										1.71					2.11	2.90		1.55	1.11		1.98	85.48									
9															2.12	2.32	1.70	1.68		2.82		84.17									
10															2.17	3.65	1.62	1.33			2.28	85.17									
11										1.45					2.13	2.82		2.03			2.18	85.56									
12										1.45					2.11	2.65		2.02			2.20	85.22									
13										3.43						15.10	13.00		3.24	14.11	6.88	12.10	28.23								
14															2.25	3.30	1.49	1.17			1.93	86.23									
15																12.32	13.32	3.57	7.87	22.30	7.75	15.95	6.91		1.09	2.04					
16															2.20	3.41	1.55	1.14			2.07	85.94									
17															2.44	3.03	1.57	1.02			1.91	86.46									
18																11.05	16.57	3.23	6.82	18.69	7.25	7.61	14.51			13.11					
19										1.48					2.44	2.43		1.70			1.86	86.26									
20										1.47					2.33	2.65		1.55			1.83	86.50									
21															2.35	2.93	1.66	1.64			2.49	85.63									
22										1.42					2.24	2.78		1.92			2.19	85.70									
23										1.37					2.40	2.52		1.97		2.12		85.99									
24										1.66					2.52	2.33	1.01	1.26			1.45	87.13									
25										1.55					2.21	2.92	1.05	1.54	1.08		2.00	85.56									
26																2.19	2.35	1.74	1.72		2.83	84.13									
27															2.30	3.06	1.92	1.49			2.79	85.01									
28										1.35					2.22	2.83		2.00			2.18	85.66									
29															2.28	3.68	1.75	1.40			2.42	84.86									
30										2.99					1.05	15.47	12.85		2.93	13.61	7.09	11.79	29.61								
31															2.33	3.29	1.51	1.20			1.95	86.29									
32																13.63	18.06	3.00	6.50	21.40	8.22	15.57	8.65		1.06	1.51	1.33				
33															2.28	3.46	1.68	1.17			2.19	85.71									

34															2.52	3.05	1.64	1.06		1.99		86.33									
35										1.57					2.61	2.24	1.06	1.25		1.43		87.03									
36										1.69					2.67	2.14	1.15	1.01		1.15		87.43									
37										1.58					2.46	2.45	1.08	1.25		1.46		86.89									
38										1.58					2.46	2.45	1.08	1.25		1.46		86.89									
39	1.40	2.20	2.95	2.45	4.51	62.71		2.96	3.27		5.91																		4.86	
40		2.22	3.00	2.47	4.62	62.83		3.00	3.21		5.91															4.82				
41		2.24	3.04	2.51	4.65	62.72		3.01	3.20		5.89													4.87						
42			1.29	1.12	2.14	28.08		1.35	1.43	2.95	2.50		1.14	15.49	2.89			13.20		4.15			4.24		9.47			2.16			
43	1.40	2.23	3.01	2.53	4.66	62.03		3.01	3.11		5.82													4.78						
44	2.29		3.08	2.59	4.75	62.49	1.03	3.08	3.05		5.90													4.84						
45	1.41	2.33	3.13	2.61	4.77	62.57	1.03	3.08	3.08		5.95													4.83						
46	1.32	2.10	2.84	2.37	4.41	59.28		2.85	3.02		5.54							1.28					1.32					4.57		
47														8.14	13.64	9.61	11.65	16.40		4.37			17.89			13.77				
48										1.08				9.46	13.94	9.40	10.77	17.34		4.55			18.40			12.87				
49	1.40	2.29	3.10	2.60	4.73	62.81	1.02	3.05	3.13		5.92																	4.89		
50	1.22			9.78	11.29	6.82	7.84	17.6	3.10		4.73	20.44														15.15				
51										1.04			15.99	8.65	11.88	7.59	9.29	16.00		3.57					10.77	1.87	11.88				
52	1.23	1.98	2.68	2.25	4.19	55.77		2.71	2.78		5.20		2.52	1.46	1.60		1.49	2.49												4.29
53						2.85				1.19				9.07	10.78	6.10	8.86	16.76		2.72			15.32		4.32	4.75	4.80			7.50	
54	1.41	2.30	3.40	2.63	4.79	62.57	1.03	3.10	3.06		5.91																			4.81
55	1.43	2.22	3.02	2.49	4.60	62.80		3.00	3.25		5.87																	4.87		
56	1.40	2.29	3.07	2.60	4.78	62.26	1.03	3.09	3.04		5.87																4.81			
57															11.56	9.44	23.40	4.55					15.18	12.67	7.36	12.51			1.42		
58	1.26	1.98	2.73	2.27	4.26	57.5		2.77	2.92		5.32			2.26								1.14			1.06		1.20			4.42	
59						14.19				1.50	1.28			9.40	10.41	4.75	9.89	18.07		1.93		16.38									
60	1.38	2.20	2.99	2.49	4.61	61.83		2.99	3.11		5.79																	4.77		
61	1.41	2.28	3.08	2.60	4.72	62.61	1.02	3.05	3.11		5.88																	4.89		
62														5.27	14.41	12.75	16.54	15.99		2.03		18.48	12.37								
63	1.49	2.19	2.99	2.47	4.53	63.52	3.02		3.36		5.97															4.93					
64										1.77				13.78	8.88	2.73	13.82	21.42	1.20			33.28									
65	1.44	2.22	3.04	2.50	4.66	63.00		3.04	3.23																						

LUMO COEFFICCIENT

No	2C	3C	4C	6C	9C	15N	19H	23H	24N	25H	26C	27O	28C	29C	30C	31C	32C	33C	34C	35C	36O/S	37O	39C	40 C/N	41 O/N/H	42 C/N	43C	44C	45C	47C	49C
1									2.45					8.11	21.21	3.08	16.25	12.81	1.89	26.57	5.65										
2									9.85					28.01	9.65	7.69	5.91	1.45	3.02	13.07	18.77										
3									10.29					30.57	8.07	7.34	6.16	1.22	2.22	12.00	19.56										
4									11.97					35.54	7.03	5.45	4.30	1.01	2.14	8.78	19.57										
5									10.39					31.38	7.74	7.35	5.68	1.08	2.34	11.41	19.73										
6									10.10					29.27	9.30	8.65	4.82	3.46	11.83	19.09											
7									9.40					26.25	10.37	6.12	7.71	2.06	2.50	14.78	18.07										
8									10.22					30.88	7.33	7.44	6.12		1.89	11.47	19.69										
9									11.80					35.06	6.62	5.69	4.48	1.90	8.78		19.53										
10									10.79					31.95	7.79	4.42	6.85	2.41	1.54	11.44	18.95										
11									10.51					31.82	7.53	6.56	6.28	1.25	1.99	10.99	19.82										
12									10.65					31.85	7.70	6.50	6.30	1.20	1.89	10.85	19.80										
13									2.88					10.19	19.86	3.97	15.47	10.52	2.13	26.14		6.74									
14									10.48					30.29	7.99	4.53	7.75	3.01	1.34	12.53	18.56										
15									2.87					10.13	19.68	3.31	16.57	11.11	1.74	25.13		6.71									
16									10.55					30.54	7.86	4.07	8.30	3.16	1.15	12.00	18.62										
17									9.65					26.91	9.96	4.00	8.58	4.43	1.49	14.13	17.45										
18									2.55					8.74	20.77	3.37	15.86	12.12	1.95	26.33	6.16										
19									9.62					28.08	9.65	7.60	5.77	1.45	3.04	12.90	19.20										
20									10.06					30.65	8.07	7.24	5.99	1.20	2.24	11.82	20.01										
21									11.69					35.50	7.01	5.42	4.30	1.03	2.09	8.75	20.05										
22									10.06					31.08	7.85	6.96	5.88	1.14	2.26	11.50	20.12										
23									9.86					29.27	9.28	8.57	4.77	3.44	11.74		19.49										
24									8.98					25.66	10.37	5.46	8.39	2.30	2.31	15.22	18.31										
25									10.00					30.86	7.36	7.61	5.76		1.98	11.33	20.08										
26									11.77						36.06	6.38	5.32	4.23	1.83	8.17	20.19										
27									11.89					36.36	6.65	4.92	4.54	1.10	1.82	8.18	20.22										
28									10.33					32.17	7.39	6.53	6.02	1.22	1.97	10.63	20.41										
29									11.34					34.49	7.35	3.67	5.89	2.28	1.46	9.77	20.06										
30									2.77					10.00	19.96	3.92	15.52	10.62	2.13	26.20		6.70									
31									10.33					30.46	8.07	4.35	7.54	3.02	1.36	12.31	18.99										
32									2.73					9.84	19.75	4.51	13.92	10.22	2.34	26.60		6.61									
33									10.62					31.72	7.78	3.73	7.53	3.06	1.18	11.32	19.42										
34									9.59					27.33	9.99	3.69	8.24	1.51	13.65		17.99										
35									6.46					17.87	10.06		15.95	7.12	19.18		13.82										

36																7.11	12.17	5.15	9.46					23.78	19.66	19.83					
37									5.06					14.44	7.15		18.65	8.25	18.54		10.90			7.33	4.99	1.91					
38									5.06					14.44	7.15		18.65	8.25	18.54		10.90			7.33	4.99	1.91					
39									3.79		12.64	7.80	14.74	2.00	21.86	9.51	1.19		17.93					4.38							
40									4.26		13.49	9.58	16.34	4.03	19.20	6.34			18.22					4.83							
41											17.03	9.86	11.92	5.59	16.80	9.29			20.03			1.57									
42									5.48		18.9	10.31	8.84	4.17	19.95	6.22	1.33		16.77			1.11		4.25							
43									5.28		15.44	9.37	13.04	4.89	17.16	11.00			20.08												
44											15.21	9.20	13.2	5.01	17.14	10.88			20.34			1.46									
45									5.33		14.94	9.03	13.39	4.97	17.22	10.99			20.44			1.44									
46									5.45		16.84	9.77	11.76	2.19	15.45	9.27		20.77				1.75									
47									5.37		16.11	9.60	12.83	4.20	18.66	10.65			18.84			1.19									
48									5.31		15.95	9.56	12.80	4.61	17.52	10.85			19.68			1.33									
49									5.45		15.14	9.06	13.05	6.02	15.52	10.27			21.46			1.76									
50	5.16	14.84	8.60	11.42	9.35	9.94	8.11	24.13		1.40	1.88														2.68						
51									5.07		13.9	1.90	13.12	6.48	13.26	10.44			22.44		8.45					1.38					
52										5.49	17.23	1.31	11.79	4.71	17.83	9.42			18.73		9.97										
53									5.47		16.41		12.13	5.54	16.35	9.58			20.07			1.58									
54												2.54		7.99	5.10		2.80		7.20		9.56			22.92	18.35	6.46	6.74	5.77	1.02	1.54	10.68
55									5.59		17.49	9.96	11.12	6.34	15.59	8.11			19.56			1.76			1.08						
56									4.09		10.69	6.93	12.04	4.85	10.84	9.77			17.04			1.45		7.69	11.83						
57									3.58		9.95	6.64	12.48		21.08	9.43			3.74				7.36	11.00	1.76			10.56			
58									2.90		7.14	4.37		8.18	2.68	11.56	1.04	20.03			2.67		10.31	1.10	9.83	6.63					
59									5.37		16.82	9.78	11.53	4.48	17.66	8.99			18.22		1.22										
60									5.83		18.24	10.24	11.41	6.82	15.35	8.35			19.03		1.78										
61									5.31		14.66	8.96	13.67	4.93	16.4	10.37			20.88		1.41										
62									6.07				11.80	10.01	11.55	7.28			17.44		2.74	1.29									
63											15.83	8.95	11.79	7.69	13.25	7.60		22.56		1.30	2.21										
64									4.71		15.36	9.55	13.62	4.66	16.89	9.95		20.87			1.54										
65									4.71		13.41	8.40	17.49	8.60	11.08	4.39	2.81	21.62						2.25	1.82						