

Supplemental Table 2

Nellis et al, Lung metabolome of 1,3-butadiene exposed Collaborative Cross mice reflects metabolic phenotype of human lung cancer

High resolution metabolomics analysis of lung from collaborative-cross mice exposed to butadiene

One-way Anova Results*, C18/ESI- data

*values reported for data that was log₂- transformed and quantile-normalized

mz	time	mean - Ctrl	mean - 2ppm	mean - 20ppm	mean - 200ppm	fdr_pvalue	p-value, Ctrl vs 2ppm	p-value, Ctrl vs 20ppm	p-value, Ctrl vs 200ppm	p-value, 2ppm vs 20ppm	p-value, 2ppm vs 200ppm	p-value, 20ppm vs 200ppm
85.02942	20.84	20.46	20.74	20.87	20.93	1.65E-15	4.40E-06	3.56E-12	1.03E-13	7.27E-02	7.14E-03	8.04E-01
86.02458	194.65	16.66	13.86	13.42	14.42	1.22E-18	1.99E-13	4.36E-14	6.90E-09	5.79E-01	4.10E-01	2.77E-02
86.05129	26.23	16.00	15.54	15.42	14.81	2.58E-08	4.64E-02	6.42E-03	2.76E-09	9.24E-01	8.33E-04	6.41E-03
87.0086	254.2	18.04	17.44	17.62	17.88	7.24E-08	9.21E-08	2.61E-04	4.02E-01	3.18E-01	4.11E-04	7.82E-02
87.00871	23.09	21.21	21.58	21.69	21.50	1.50E-17	2.01E-11	4.40E-14	4.67E-07	1.78E-01	3.91E-01	2.36E-03
87.0271	131.43	14.90	14.12	14.03	14.12	1.52E-13	1.20E-09	9.05E-12	3.34E-09	8.78E-01	1.00E+00	8.81E-01
87.02718	21.58	17.71	16.87	16.91	16.59	4.82E-09	1.15E-05	2.43E-05	6.92E-09	9.97E-01	4.10E-01	2.93E-01
87.04495	169.19	15.88	15.23	15.25	15.64	1.98E-06	2.05E-05	3.25E-05	3.22E-01	9.99E-01	2.43E-02	3.37E-02
87.21031	209.84	12.01	12.00	12.44	12.87	4.22E-04	1.00E+00	2.12E-01	1.03E-03	2.18E-01	1.31E-03	2.33E-01
88.00382	290.46	13.47	15.61	15.45	16.41	7.97E-21	1.19E-12	2.75E-11	3.83E-14	9.39E-01	2.89E-02	4.76E-03
88.00384	163.35	15.02	14.77	14.90	14.89	4.47E-01	3.54E-01	8.52E-01	8.30E-01	8.39E-01	8.83E-01	1.00E+00
88.01199	124.36	14.80	14.60	14.88	14.98	5.12E-02	4.59E-01	9.17E-01	5.26E-01	1.68E-01	3.59E-02	8.88E-01
88.0121	19.52	15.68	15.86	15.89	15.64	6.53E-03	1.37E-01	4.33E-02	9.83E-01	9.70E-01	7.79E-02	2.34E-02
88.04022	263	17.52	17.52	18.01	17.76	3.57E-07	1.00E+00	2.13E-06	6.58E-02	4.62E-06	7.94E-02	5.68E-02
88.04036	24.85	21.62	21.64	21.76	21.73	1.09E-01	9.92E-01	1.47E-01	3.57E-01	2.84E-01	5.49E-01	9.78E-01
88.16903	254.81	14.30	13.79	13.95	14.23	2.42E-01	2.61E-01	5.89E-01	9.96E-01	9.41E-01	4.29E-01	7.65E-01
89.01433	291.73	17.69	14.96	15.19	15.43	3.94E-19	4.23E-14	5.81E-14	1.24E-11	8.71E-01	4.36E-01	8.66E-01
89.02431	151.56	24.17	27.21	26.91	26.76	2.39E-16	7.99E-14	3.75E-12	2.00E-10	8.57E-01	6.54E-01	9.79E-01
89.02432	279.64	22.97	24.80	24.85	24.68	1.98E-38	5.11E-15	5.11E-15	5.77E-15	9.87E-01	8.17E-01	6.18E-01
89.04263	185.87	17.29	17.07	17.20	17.06	2.69E-01	3.36E-01	9.12E-01	3.51E-01	7.45E-01	1.00E+00	7.51E-01
89.23163	226	14.68	10.02	9.80	10.31	3.53E-101	5.11E-15	5.11E-15	5.11E-15	4.06E-01	2.00E-01	3.03E-03
90.00954	296.14	18.74	16.86	16.87	16.82	1.17E-35	5.11E-15	5.11E-15	5.33E-15	1.00E+00	9.91E-01	9.89E-01
90.00969	93.57	16.06	13.82	14.34	14.80	3.26E-45	5.11E-15	5.11E-15	4.35E-14	3.50E-04	1.08E-11	2.64E-03
90.01864	288.56	16.71	17.56	17.85	17.22	9.42E-14	2.66E-08	1.10E-13	2.33E-03	1.68E-01	9.98E-02	1.27E-04
90.02763	147.35	21.50	22.77	22.70	22.50	7.85E-14	5.36E-12	4.57E-11	1.29E-07	9.76E-01	4.13E-01	6.58E-01
90.02774	19.13	21.69	21.91	21.97	21.80	3.25E-03	2.62E-02	2.89E-03	5.01E-01	9.15E-01	5.52E-01	2.05E-01
90.03049	137.49	14.39	13.82	13.86	14.07	9.52E-04	1.58E-03	3.43E-03	1.66E-01	9.95E-01	4.48E-01	5.91E-01
90.8111	220.84	12.62	13.49	13.14	13.47	1.16E-09	1.36E-08	1.18E-03	6.96E-08	7.12E-02	9.99E-01	1.15E-01
90.93574	92.57	15.96	15.51	15.52	15.60	4.63E-07	3.54E-06	7.24E-06	5.23E-04	9.97E-01	7.51E-01	8.47E-01
91.02189	208.27	15.67	15.18	14.45	14.57	1.71E-04	3.65E-01	3.18E-04	2.30E-03	8.01E-02	2.11E-01	9.82E-01
91.03002	266.14	21.32	18.67	19.06	19.02	7.71E-53	5.11E-15	5.11E-15	5.11E-15	3.19E-02	8.72E-02	9.90E-01
91.03099	28.07	18.07	18.55	18.50	18.24	5.04E-02	6.65E-02	1.19E-01	8.41E-01	9.94E-01	4.14E-01	5.65E-01
91.0503	142.11	14.11	12.91	12.66	13.22	3.01E-16	2.75E-11	4.31E-14	1.77E-06	4.21E-01	2.78E-01	6.06E-03
91.05838	179.98	15.46	15.40	15.56	14.90	5.69E-06	9.68E-01	8.41E-01	1.21E-04	5.94E-01	1.07E-03	5.42E-06
92.02525	273.39	21.06	19.12	19.51	19.51	3.02E-24	2.18E-14	4.24E-14	4.66E-14	1.30E-01	1.51E-01	1.00E+00
92.02546	22.19	19.72	18.09	18.14	18.69	1.75E-30	5.77E-15	6.66E-15	3.40E-12	9.78E-01	1.31E-04	5.40E-04
92.03446	27.62	24.42	24.32	24.29	23.93	1.62E-02	9.15E-01	8.17E-01	1.01E-02	9.97E-01	7.18E-02	1.11E-01
92.4971	203	10.26	12.43	12.82	12.65	1.24E-19	9.43E-13	4.22E-14	6.91E-14	5.06E-01	8.76E-01	9.32E-01
92.92799	21.48	21.62	20.86	20.85	21.29	4.05E-05	2.84E-04	1.76E-04	2.88E-01	1.00E+00	1.26E-01	1.03E-01
92.93277	98.31	13.68	13.18	13.08	13.23	1.33E-01	2.70E-01	1.23E-01	3.88E-01	9.82E-01	9.98E-01	9.49E-01
93.00923	291.62	17.67	16.37	16.60	16.43	3.42E-26	2.33E-14	4.27E-14	4.02E-14	2.29E-01	9.65E-01	5.11E-01
93.00933	16.84	16.28	13.92	13.96	14.34	3.52E-47	5.11E-15	5.11E-15	5.11E-15	9.93E-01	3.01E-02	5.70E-02
93.03439	287.01	16.62	16.86	16.38	16.45	3.33E-02	5.00E-01	4.61E-01	7.50E-01	2.87E-02	1.01E-01	9.77E-01

93.04576	33.87	15.49	14.85	14.90	14.83	1.47E-06	2.86E-05	1.04E-04	2.54E-05	9.87E-01	9.99E-01	9.66E-01
93.89662	297.31	14.40	13.97	14.85	14.78	1.73E-03	2.84E-01	2.26E-01	4.16E-01	2.17E-03	8.84E-03	9.90E-01
93.97264	105.13	14.56	13.34	13.26	13.68	2.08E-17	1.24E-13	4.47E-14	1.12E-07	9.51E-01	1.38E-01	3.77E-02
93.99101	56.64	14.38	14.23	14.31	14.95	3.53E-01	9.85E-01	9.98E-01	5.31E-01	9.98E-01	3.52E-01	4.45E-01
94.00449	292.69	16.22	15.69	15.68	15.07	6.39E-07	2.95E-02	2.32E-02	7.50E-08	1.00E+00	1.12E-02	1.22E-02
94.02971	215.63	18.14	16.25	16.16	16.91	4.49E-21	4.24E-14	4.09E-14	6.30E-08	9.68E-01	1.14E-02	2.37E-03
94.03859	24.93	16.14	15.45	15.34	15.31	1.63E-08	2.11E-05	5.55E-07	4.64E-07	8.96E-01	8.05E-01	9.96E-01
94.04092	286.27	16.59	14.54	14.70	14.15	1.39E-17	2.35E-12	6.19E-11	4.29E-14	9.32E-01	5.03E-01	1.94E-01
94.11284	227.87	15.29	11.23	10.81	11.49	4.57E-84	5.11E-15	5.11E-15	5.11E-15	4.16E-02	4.00E-01	2.51E-04
94.92504	22.1	21.07	20.30	20.28	20.72	2.98E-05	2.21E-04	1.29E-04	2.56E-01	1.00E+00	1.28E-01	1.01E-01
94.98049	156.77	20.06	20.44	20.44	20.62	2.82E-02	1.77E-01	1.75E-01	1.92E-02	1.00E+00	7.93E-01	7.82E-01
94.9806	294.23	18.76	19.55	19.57	19.92	3.33E-15	2.80E-08	7.77E-09	4.65E-14	9.98E-01	3.56E-02	5.25E-02
95.01374	127.62	15.21	14.35	14.17	14.83	4.82E-15	5.62E-10	9.81E-14	2.05E-02	4.90E-01	2.06E-03	5.99E-06
95.02491	271.98	18.88	17.70	17.88	18.04	9.77E-10	2.78E-09	4.38E-07	5.46E-05	7.59E-01	2.91E-01	8.43E-01
95.05008	156.09	15.41	13.96	14.15	14.68	2.92E-21	4.24E-14	4.43E-14	5.97E-06	5.41E-01	1.52E-05	2.49E-03
95.06761	268.78	19.07	17.82	18.07	18.71	5.88E-15	1.83E-13	1.70E-09	1.00E-01	3.84E-01	5.94E-07	4.96E-04
95.67016	239.81	15.49	14.08	14.69	14.56	6.58E-07	1.48E-07	6.14E-03	1.51E-03	6.85E-02	2.40E-01	9.57E-01
95.82431	213.25	12.31	12.36	12.61	13.43	3.17E-04	9.98E-01	6.76E-01	3.97E-04	7.98E-01	1.16E-03	2.02E-02
95.95206	290.81	12.25	17.13	17.06	16.43	1.92E-50	5.11E-15	5.11E-15	5.11E-15	9.94E-01	8.70E-02	1.44E-01
95.95218	86.66	16.54	16.82	16.54	16.46	8.15E-02	1.85E-01	1.00E+00	9.59E-01	2.07E-01	8.05E-02	9.57E-01
95.98005	158.18	15.37	14.67	14.82	15.08	2.91E-06	3.15E-06	2.68E-04	1.47E-01	7.33E-01	2.62E-02	2.54E-01
96.00893	283.66	17.77	17.17	17.52	17.27	1.21E-07	2.15E-07	7.90E-02	3.36E-05	6.97E-03	8.10E-01	1.05E-01
96.02027	211.33	13.76	9.72	10.93	9.20	5.20E-09	4.62E-07	6.41E-04	2.71E-08	3.64E-01	9.08E-01	1.10E-01
96.02035	25.8	14.96	12.20	13.49	13.55	7.04E-05	1.38E-05	4.79E-02	7.80E-02	1.20E-01	1.13E-01	1.00E+00
96.02833	101.49	14.76	13.33	13.44	13.93	7.08E-22	4.22E-14	4.46E-14	1.64E-07	8.65E-01	3.53E-04	4.95E-03
96.04537	187.22	16.87	14.70	14.74	15.47	4.28E-42	5.11E-15	5.11E-15	4.47E-14	9.95E-01	2.16E-06	5.38E-06
96.05661	258.15	19.80	17.79	17.98	17.76	1.69E-69	5.11E-15	5.11E-15	5.11E-15	1.44E-01	9.88E-01	7.65E-02
96.27362	239.38	18.85	17.87	18.20	18.48	1.14E-18	4.24E-14	8.63E-10	1.35E-03	5.59E-03	7.82E-08	3.63E-02
96.92212	25.71	18.31	17.26	17.20	17.81	3.38E-10	4.38E-08	5.64E-09	2.95E-02	9.89E-01	1.60E-02	5.66E-03
96.95179	18.97	14.21	14.88	14.55	14.55	7.69E-03	2.69E-03	2.85E-01	2.91E-01	3.03E-01	3.59E-01	1.00E+00
96.96036	17.22	24.50	25.73	25.57	25.47	4.44E-37	5.11E-15	5.11E-15	2.15E-14	2.22E-01	1.61E-02	6.62E-01
96.96938	22.95	25.09	26.21	26.32	26.23	2.73E-28	3.91E-14	1.09E-14	4.06E-14	7.13E-01	9.98E-01	8.24E-01
96.97632	113.21	18.89	18.02	18.31	18.94	3.94E-03	1.33E-02	1.68E-01	9.98E-01	7.54E-01	1.33E-02	1.51E-01
97.00416	290.8	18.26	17.20	17.40	17.03	5.58E-24	4.32E-14	6.21E-13	2.91E-14	3.00E-01	4.59E-01	8.86E-03
97.00423	84.13	16.03	13.99	14.26	14.58	9.68E-36	5.11E-15	5.33E-15	4.44E-14	2.23E-01	4.96E-04	1.37E-01
97.02933	291.97	16.68	16.19	16.15	16.46	1.06E-07	4.64E-06	7.13E-07	1.08E-01	9.88E-01	4.70E-02	1.80E-02
97.04055	281.44	17.96	16.68	16.82	16.74	1.44E-35	5.11E-15	7.11E-15	5.33E-15	4.51E-01	9.45E-01	8.13E-01
97.06573	180.38	15.97	15.54	15.59	16.04	3.26E-09	1.02E-05	1.16E-04	8.74E-01	9.37E-01	1.04E-06	1.24E-05
97.51646	226.43	13.53	10.77	11.68	13.22	1.01E-09	1.02E-08	1.75E-04	9.06E-01	1.82E-01	1.64E-06	4.82E-03
97.95936	107.58	15.07	15.38	15.46	15.13	1.00E-03	2.68E-02	2.55E-03	9.55E-01	9.00E-01	1.35E-01	2.35E-02
97.9594	20.79	17.11	18.10	17.89	17.79	3.71E-21	3.71E-14	7.88E-14	1.43E-10	1.36E-01	1.06E-02	7.25E-01
97.97379	19.7	15.30	15.46	15.46	15.47	6.16E-01	7.10E-01	6.88E-01	6.98E-01	1.00E+00	1.00E+00	1.00E+00
98.00699	23.74	14.92	14.97	15.26	14.91	1.96E-01	9.93E-01	2.40E-01	1.00E+00	4.02E-01	9.87E-01	2.48E-01
98.01212	209.98	14.55	8.56	8.88	9.11	5.91E-16	3.88E-13	3.20E-12	9.93E-11	9.75E-01	8.95E-01	9.91E-01
98.02455	288.9	18.74	18.41	18.36	18.45	6.23E-02	1.49E-01	6.20E-02	2.52E-01	9.85E-01	9.97E-01	9.45E-01

98.03581	290.42	16.86	15.44	15.84	15.55	1.35E-20	4.37E-14	7.57E-11	4.29E-14	3.28E-02	8.81E-01	2.17E-01
98.03589	92.41	17.01	15.20	15.86	16.23	8.47E-37	5.11E-15	4.20E-14	1.14E-09	1.89E-07	4.88E-14	1.13E-02
98.04312	134.77	14.50	13.62	14.08	14.07	7.84E-06	1.15E-06	4.77E-02	5.35E-02	3.36E-02	4.81E-02	1.00E+00
98.06098	133.96	14.57	12.92	13.16	13.42	3.26E-25	1.53E-14	4.36E-14	1.68E-12	3.38E-01	5.50E-03	3.12E-01
98.94893	144	14.40	14.47	14.45	14.14	2.18E-01	9.75E-01	9.94E-01	4.03E-01	9.99E-01	2.25E-01	2.88E-01
98.96423	106.76	15.20	15.47	15.69	15.23	2.12E-04	1.11E-01	3.77E-04	9.96E-01	3.07E-01	2.23E-01	1.97E-03
98.96429	23.36	17.29	18.39	18.10	18.02	1.24E-25	7.11E-15	4.26E-14	1.35E-12	1.21E-02	8.08E-04	8.08E-01
98.97184	110.7	19.59	19.28	19.36	19.92	3.52E-02	4.87E-01	7.17E-01	4.84E-01	9.83E-01	3.37E-02	8.00E-02
98.9728	26.45	18.74	19.02	19.03	19.23	1.04E-06	5.09E-03	2.75E-03	2.28E-07	9.99E-01	8.75E-02	1.15E-01
99.00674	163.95	17.38	15.99	15.47	15.82	1.35E-08	7.47E-05	1.84E-08	1.20E-05	3.68E-01	9.56E-01	7.12E-01
99.00861	292.22	17.72	17.62	17.60	18.07	1.35E-05	6.70E-01	5.87E-01	2.86E-03	9.99E-01	6.37E-05	3.29E-05
99.01982	289.29	20.90	20.27	20.44	20.06	3.55E-08	2.48E-05	3.28E-03	2.43E-08	6.02E-01	4.47E-01	3.63E-02
99.02798	168.02	15.44	14.69	14.58	15.13	2.24E-10	2.37E-07	2.05E-09	1.03E-01	8.51E-01	9.52E-03	5.41E-04
99.04607	190.32	18.92	19.13	18.60	18.24	3.26E-02	9.02E-01	6.92E-01	1.21E-01	3.06E-01	2.74E-02	6.66E-01
99.04651	26.45	17.33	17.41	16.90	16.99	3.33E-04	9.21E-01	7.90E-03	7.78E-02	1.28E-03	1.85E-02	9.02E-01
99.05554	162.05	14.78	13.15	13.16	13.47	9.14E-17	1.12E-13	9.75E-14	3.09E-09	1.00E+00	4.20E-01	4.34E-01
99.08145	106.72	14.93	13.72	13.94	14.37	3.39E-19	4.37E-14	3.11E-13	9.78E-05	2.90E-01	6.54E-06	5.64E-03
99.80605	55.32	12.99	13.48	13.19	13.56	1.13E-01	2.26E-01	8.67E-01	1.34E-01	6.75E-01	9.90E-01	5.00E-01
99.92561	297.18	18.52	18.49	18.25	19.45	1.24E-05	9.99E-01	6.45E-01	7.19E-04	7.58E-01	6.14E-04	9.14E-06
99.92568	148.27	19.32	17.89	18.13	18.56	2.37E-12	6.33E-12	7.61E-09	6.94E-04	5.92E-01	5.00E-03	1.36E-01
99.97136	126.28	14.52	13.47	13.52	14.27	2.64E-15	6.41E-12	3.56E-11	2.93E-01	9.86E-01	7.98E-07	3.27E-06
100.00384	290.95	17.05	16.99	17.01	17.35	3.99E-04	8.89E-01	9.74E-01	5.68E-03	9.91E-01	6.86E-04	1.75E-03
100.01211	24.47	18.12	17.59	17.67	18.10	1.83E-06	6.92E-05	9.19E-04	9.99E-01	9.10E-01	3.03E-04	3.02E-03
100.02264	120.14	14.92	15.18	15.28	15.15	3.12E-01	5.51E-01	2.59E-01	6.61E-01	9.61E-01	9.99E-01	9.28E-01
100.03058	23.3	19.29	18.90	18.88	18.58	2.01E-04	5.88E-02	3.85E-02	5.37E-05	9.99E-01	1.82E-01	2.26E-01
100.04025	290.65	16.79	16.20	16.22	16.49	2.59E-09	5.28E-08	7.56E-08	1.79E-02	9.99E-01	2.89E-02	3.74E-02
100.25129	262.42	14.78	14.66	12.84	12.57	1.62E-11	9.87E-01	5.60E-07	3.54E-08	6.03E-06	4.36E-07	8.92E-01
100.92577	291.11	12.89	13.14	11.98	14.85	9.16E-08	9.38E-01	1.65E-01	1.35E-04	5.08E-02	1.80E-03	1.59E-08
100.92583	140.16	15.62	13.45	13.62	14.14	1.18E-39	5.11E-15	5.11E-15	4.13E-14	6.28E-01	3.82E-05	3.25E-03
100.9461	19.23	15.19	12.92	12.60	12.70	1.07E-09	1.66E-06	2.59E-08	2.60E-07	8.80E-01	9.60E-01	9.96E-01
100.96459	51	21.80	19.23	22.57	22.35	3.01E-110	5.11E-15	4.46E-14	7.14E-10	5.11E-15	5.11E-15	4.89E-02
100.96747	112.47	17.34	17.99	18.06	18.14	2.05E-05	1.60E-03	2.86E-04	8.08E-05	9.78E-01	8.41E-01	9.71E-01
100.98555	99.64	17.97	16.16	16.53	16.49	5.21E-21	4.22E-14	1.64E-13	2.88E-13	1.77E-01	2.74E-01	9.98E-01
100.99908	291.49	19.53	19.49	19.45	18.98	1.67E-08	9.80E-01	8.18E-01	6.19E-08	9.67E-01	9.35E-07	6.60E-06
101.00729	106.94	15.17	14.36	14.90	15.05	1.85E-04	1.17E-04	4.47E-01	9.17E-01	2.61E-02	3.07E-03	8.65E-01
101.02438	164.56	21.20	24.35	24.60	24.71	9.41E-27	4.22E-14	3.42E-14	3.35E-14	8.66E-01	7.04E-01	9.88E-01
101.03554	84.16	15.91	14.13	14.47	14.65	1.86E-24	1.69E-14	4.31E-14	8.22E-13	1.59E-01	1.06E-02	6.80E-01
101.06067	256	17.76	17.32	17.48	16.85	4.09E-05	7.30E-02	3.91E-01	1.06E-05	8.29E-01	6.85E-02	5.84E-03
101.06075	19.67	15.07	14.66	14.81	14.77	9.92E-02	7.16E-02	4.16E-01	3.09E-01	8.03E-01	9.21E-01	9.95E-01
101.58177	284.7	16.43	16.90	16.89	16.30	3.68E-02	2.19E-01	2.41E-01	9.60E-01	1.00E+00	9.87E-02	1.09E-01
101.96793	78.44	14.71	13.38	13.42	13.92	9.10E-15	9.54E-13	2.34E-12	4.37E-05	9.96E-01	1.57E-02	2.71E-02
101.98071	142.33	16.30	14.65	14.41	14.67	6.58E-32	2.04E-14	5.11E-15	3.22E-14	3.56E-01	9.99E-01	3.17E-01
102.00966	291.13	15.56	13.29	13.52	13.42	1.06E-06	9.52E-06	7.02E-05	5.89E-05	9.63E-01	9.93E-01	9.97E-01
102.01951	291.14	17.08	17.09	17.14	17.48	3.13E-03	1.00E+00	9.60E-01	4.69E-03	9.75E-01	7.73E-03	2.46E-02
102.02776	21.05	17.51	17.60	17.17	17.17	6.97E-07	7.52E-01	1.03E-03	2.32E-03	3.02E-05	8.64E-05	1.00E+00

102.04612	223.47	17.40	17.73	17.81	16.67	3.20E-16	4.35E-02	5.17E-03	2.74E-07	9.10E-01	4.31E-13	4.66E-14
102.04629	31	17.76	16.83	16.77	16.67	3.24E-11	1.67E-07	1.79E-08	1.69E-09	9.84E-01	7.66E-01	9.22E-01
102.05607	18.97	20.59	21.46	21.26	21.05	4.19E-19	4.40E-14	1.27E-12	2.93E-06	1.26E-01	8.40E-05	9.43E-02
102.77097	260.34	16.37	16.24	15.95	15.32	8.76E-05	9.36E-01	2.35E-01	6.46E-05	5.89E-01	9.84E-04	4.55E-02
102.81995	261.1	14.43	14.78	14.18	12.92	1.65E-05	7.66E-01	9.01E-01	3.43E-04	3.68E-01	1.08E-05	4.99E-03
102.95681	34.47	22.87	22.85	23.18	22.37	2.47E-06	9.98E-01	1.17E-01	2.68E-03	9.23E-02	6.46E-03	3.88E-07
102.96269	67.91	17.40	16.13	18.18	17.83	5.47E-30	8.09E-14	1.85E-06	2.66E-02	5.11E-15	3.51E-14	1.18E-01
103.00357	125.18	15.36	14.70	14.37	15.55	7.47E-19	1.69E-06	5.35E-13	4.68E-01	5.48E-02	4.56E-09	4.42E-14
103.00371	20.37	16.76	17.56	17.50	17.60	8.99E-11	2.15E-08	1.73E-07	1.01E-08	9.71E-01	9.92E-01	8.89E-01
103.01753	211.62	13.76	9.11	8.70	9.15	2.02E-27	4.02E-14	1.58E-14	4.21E-14	8.08E-01	1.00E+00	7.75E-01
103.02211	179.7	16.82	17.28	17.91	17.07	1.58E-04	2.38E-01	6.69E-05	7.63E-01	6.04E-02	8.38E-01	6.25E-03
103.02854	136.24	14.94	14.70	14.23	14.49	4.53E-03	6.31E-01	2.32E-03	1.32E-01	9.84E-02	7.57E-01	5.90E-01
103.03015	214.83	15.75	9.20	9.51	9.81	3.20E-42	5.11E-15	5.11E-15	5.11E-15	8.92E-01	5.37E-01	9.12E-01
103.03101	127.63	13.63	14.24	14.04	14.35	1.75E-03	9.47E-03	1.39E-01	1.95E-03	7.43E-01	9.51E-01	4.24E-01
103.03999	144.95	20.90	23.06	22.89	22.54	5.63E-10	6.21E-09	6.72E-08	2.33E-05	9.62E-01	4.75E-01	7.62E-01
103.05942	19.61	15.02	15.65	15.27	15.34	3.04E-06	4.74E-07	1.09E-01	3.13E-02	7.36E-03	5.13E-02	9.42E-01
103.48865	232.7	15.00	11.11	10.68	11.51	1.33E-64	5.11E-15	5.11E-15	5.11E-15	1.22E-01	2.05E-01	2.87E-04
103.9253	257.52	16.33	16.06	16.35	16.03	3.98E-02	2.07E-01	9.99E-01	1.44E-01	1.81E-01	9.96E-01	1.25E-01
103.96012	32.11	15.67	14.94	15.38	14.81	5.50E-10	5.50E-07	1.27E-01	6.95E-09	6.52E-03	7.79E-01	2.68E-04
103.97285	256.83	14.80	14.81	14.79	14.19	1.60E-01	1.00E+00	1.00E+00	2.11E-01	1.00E+00	2.18E-01	2.39E-01
104.02525	287.07	19.34	17.91	18.08	17.97	9.40E-30	7.77E-15	3.73E-14	2.31E-14	4.93E-01	9.61E-01	8.13E-01
104.02553	85.08	17.01	14.82	15.24	15.76	4.30E-44	5.11E-15	5.11E-15	4.23E-14	6.85E-03	1.03E-10	5.58E-04
104.02992	105.86	15.02	13.86	13.89	13.95	2.03E-09	1.11E-07	1.62E-07	2.13E-06	9.99E-01	9.73E-01	9.90E-01
104.03434	183.65	17.71	18.78	18.13	18.54	5.45E-02	4.49E-02	7.17E-01	1.98E-01	4.08E-01	9.42E-01	7.80E-01
104.0352	27.37	21.21	20.72	20.99	20.90	5.39E-07	1.13E-07	5.13E-02	2.36E-03	8.05E-03	1.73E-01	7.07E-01
104.0433	132.3	16.61	18.27	17.18	16.95	7.10E-08	2.87E-08	1.47E-01	6.20E-01	7.12E-04	4.18E-05	8.41E-01
104.04343	24.76	17.59	17.67	16.82	16.71	2.03E-13	9.53E-01	3.73E-07	1.69E-08	6.09E-08	2.77E-09	8.68E-01
104.06179	159.44	15.08	13.61	13.59	13.96	6.35E-24	3.94E-14	3.85E-14	3.91E-12	1.00E+00	9.15E-02	6.99E-02
104.06195	27.51	17.69	16.89	16.84	16.61	2.83E-09	1.81E-05	3.48E-06	6.58E-09	9.90E-01	3.51E-01	5.18E-01
104.95385	34.27	21.21	21.18	21.56	20.72	3.25E-06	9.97E-01	6.79E-02	6.42E-03	4.82E-02	1.59E-02	4.59E-07
104.96094	24.83	14.32	14.41	14.34	13.73	9.86E-02	9.90E-01	1.00E+00	1.81E-01	9.95E-01	1.11E-01	1.75E-01
105.01923	287.39	17.92	17.86	17.97	18.29	6.19E-04	9.43E-01	9.51E-01	3.00E-03	7.07E-01	6.01E-04	1.89E-02
105.01927	163.56	18.18	19.92	20.52	20.42	3.99E-13	6.12E-07	1.12E-11	3.22E-10	2.49E-01	4.41E-01	9.90E-01
105.03779	225.03	22.85	21.50	21.25	22.10	3.50E-06	1.75E-04	4.51E-06	9.91E-02	8.69E-01	2.79E-01	5.41E-02
105.04571	259.9	21.04	18.45	18.67	18.72	6.09E-68	5.11E-15	5.11E-15	5.11E-15	2.00E-01	9.79E-02	9.78E-01
105.95714	30.25	12.97	12.78	13.33	12.26	3.82E-02	9.54E-01	7.25E-01	2.05E-01	4.26E-01	4.90E-01	2.04E-02
105.96037	92.37	15.34	13.97	14.37	14.44	1.53E-12	7.59E-13	2.49E-07	5.15E-06	1.16E-01	5.14E-02	9.76E-01
106.00476	210.35	13.96	8.87	8.78	9.67	3.58E-18	5.50E-14	4.62E-14	1.57E-10	9.99E-01	5.73E-01	4.77E-01
106.04096	290.75	27.25	25.90	26.20	25.95	4.22E-24	3.69E-14	9.61E-14	4.22E-14	9.28E-02	9.81E-01	2.33E-01
106.0695	19.53	14.99	15.43	15.26	14.97	5.07E-02	8.67E-02	4.71E-01	9.99E-01	7.98E-01	8.85E-02	4.47E-01
106.4801	267.22	17.30	16.85	16.38	16.30	3.01E-10	1.70E-02	3.40E-08	6.44E-09	1.72E-02	4.77E-03	9.57E-01
106.98086	22.02	18.67	19.34	19.17	19.12	1.19E-16	4.33E-14	1.80E-10	2.79E-08	1.19E-01	2.85E-02	9.17E-01
106.98624	69.01	13.89	14.94	12.02	12.66	4.47E-89	7.55E-15	5.11E-15	5.11E-15	5.11E-15	5.11E-15	1.06E-10
107.02491	286.89	20.99	19.69	19.94	19.66	6.43E-26	3.22E-14	4.53E-14	3.33E-14	1.64E-01	9.98E-01	1.23E-01
107.02509	30.4	18.60	17.71	17.01	17.27	2.59E-38	5.01E-14	5.11E-15	5.33E-15	8.99E-10	3.83E-04	6.96E-02

107.03618	292.16	24.23	22.35	22.51	22.25	3.47E-46	5.11E-15	5.11E-15	5.11E-15	5.57E-01	8.64E-01	1.68E-01
107.03629	18.09	18.87	18.35	18.27	18.18	5.20E-10	9.09E-06	1.43E-07	4.96E-09	8.64E-01	4.04E-01	8.48E-01
107.04195	156.42	15.31	15.74	15.46	15.18	1.77E-02	6.24E-02	8.07E-01	9.02E-01	3.90E-01	1.40E-02	4.26E-01
107.04424	285.93	23.01	21.27	21.48	21.30	9.20E-54	5.11E-15	5.11E-15	5.11E-15	1.18E-01	9.81E-01	2.78E-01
107.05008	219.43	17.67	17.60	17.48	17.38	7.81E-02	9.36E-01	3.58E-01	6.93E-02	7.39E-01	2.59E-01	8.26E-01
107.05332	129.68	14.45	13.64	13.38	13.85	5.27E-10	3.03E-06	2.40E-10	1.15E-03	3.38E-01	6.09E-01	2.27E-02
107.06135	212.49	15.80	8.80	9.79	9.87	1.08E-21	4.21E-14	4.67E-14	8.78E-14	4.99E-01	4.56E-01	9.99E-01
107.93695	270.17	19.39	19.02	19.21	19.24	6.73E-02	3.51E-02	5.57E-01	7.00E-01	5.05E-01	4.24E-01	9.98E-01
107.99223	270.06	17.60	16.93	17.17	17.40	1.06E-05	5.73E-06	6.35E-03	4.48E-01	3.03E-01	5.51E-03	3.48E-01
108.00904	207.98	14.07	8.46	7.57	8.78	4.67E-35	7.11E-15	5.11E-15	2.53E-14	2.40E-01	9.15E-01	6.42E-02
108.00905	91.26	15.44	13.78	13.80	14.10	5.98E-26	3.00E-14	3.02E-14	5.48E-14	1.00E+00	1.94E-01	2.24E-01
108.01248	24.83	18.47	18.79	19.29	19.11	2.80E-05	2.74E-01	2.34E-05	2.50E-03	2.63E-02	2.97E-01	7.58E-01
108.02017	291.6	20.42	19.55	19.61	19.27	6.77E-24	4.55E-14	1.51E-13	1.91E-14	9.31E-01	3.68E-02	5.88E-03
108.0205	23.25	19.62	18.40	18.50	19.24	7.92E-17	9.35E-14	2.38E-12	5.77E-02	9.06E-01	8.22E-07	1.50E-05
108.02923	292.03	17.23	17.35	17.33	17.49	1.95E-01	7.22E-01	8.14E-01	1.27E-01	9.98E-01	6.62E-01	5.52E-01
108.0332	290.53	16.59	14.98	15.72	15.81	1.68E-03	4.86E-04	1.28E-01	2.31E-01	2.77E-01	2.10E-01	9.97E-01
108.03948	291.94	18.95	16.42	16.34	16.45	2.44E-66	5.11E-15	5.11E-15	5.11E-15	9.10E-01	9.95E-01	8.08E-01
108.04538	212.92	18.45	17.67	17.71	18.23	5.99E-06	6.55E-05	1.45E-04	6.09E-01	9.96E-01	1.29E-02	2.29E-02
108.05661	259.05	19.61	16.77	16.97	16.83	1.56E-74	5.11E-15	5.11E-15	5.11E-15	3.32E-01	9.62E-01	6.54E-01
108.05665	78.83	17.08	14.54	14.67	15.26	3.39E-43	5.11E-15	5.11E-15	2.20E-14	8.42E-01	1.20E-04	2.33E-03
108.41523	296.72	14.85	15.51	16.10	15.71	2.63E-11	5.08E-04	5.26E-12	5.07E-06	3.62E-03	6.64E-01	1.21E-01
108.47085	296.9	13.20	13.62	14.10	13.94	5.93E-04	2.56E-01	4.63E-04	9.61E-03	1.58E-01	5.46E-01	8.95E-01
108.90186	119.7	16.01	15.38	15.48	15.97	3.11E-09	5.23E-07	2.24E-05	9.91E-01	8.45E-01	8.27E-06	2.22E-04
108.90197	39.75	19.28	16.55	16.63	17.49	8.23E-13	3.83E-11	9.59E-11	3.66E-05	9.96E-01	8.36E-02	1.29E-01
108.9906	134.26	14.21	13.33	13.10	13.71	4.60E-11	3.23E-07	5.63E-11	1.08E-02	4.57E-01	1.01E-01	1.26E-03
109.00417	291.5	16.62	16.46	16.36	16.26	1.11E-01	7.31E-01	3.00E-01	8.76E-02	9.01E-01	5.52E-01	9.13E-01
109.00431	82.06	16.48	14.05	14.52	14.99	1.68E-31	5.11E-15	2.51E-14	2.08E-13	4.73E-02	6.32E-06	6.01E-02
109.02373	21.53	15.16	9.79	11.76	12.86	2.46E-10	4.45E-11	3.79E-05	1.51E-02	4.77E-02	6.51E-04	4.87E-01
109.02942	164.8	16.42	16.38	16.59	16.60	2.88E-01	9.90E-01	5.98E-01	5.89E-01	4.35E-01	4.31E-01	1.00E+00
109.04065	245	23.23	20.93	21.31	21.48	9.45E-29	5.33E-15	3.73E-14	4.40E-14	1.81E-01	2.56E-02	8.14E-01
109.04074	24.23	20.43	19.24	19.30	19.46	1.83E-23	4.15E-14	4.24E-14	1.43E-13	9.65E-01	2.72E-01	5.23E-01
109.06584	112.93	16.19	15.02	15.29	15.53	4.17E-18	4.13E-14	7.61E-12	1.25E-06	1.25E-01	5.06E-04	2.41E-01
109.23981	265.22	17.18	17.12	17.07	16.91	4.54E-01	9.86E-01	9.18E-01	3.92E-01	9.92E-01	6.18E-01	7.82E-01
109.29348	265.01	16.27	16.12	15.74	15.15	8.75E-03	9.68E-01	3.79E-01	6.92E-03	6.87E-01	3.35E-02	3.34E-01
109.98602	50.93	15.71	15.40	15.75	15.69	9.80E-03	3.00E-02	9.79E-01	9.99E-01	1.13E-02	6.25E-02	9.56E-01
110.0077	251.52	14.32	15.04	14.95	15.12	1.46E-04	1.21E-03	5.60E-03	4.36E-04	9.68E-01	9.85E-01	8.52E-01
110.02458	289.22	17.22	16.92	16.85	17.10	8.72E-04	1.34E-02	1.04E-03	6.17E-01	8.97E-01	3.20E-01	7.80E-02
110.0358	289.6	19.89	18.18	18.55	18.44	7.92E-33	5.11E-15	3.33E-14	2.02E-14	2.27E-02	2.29E-01	8.12E-01
110.03596	25.14	18.09	16.83	16.57	16.72	3.17E-38	6.22E-15	5.11E-15	5.11E-15	7.25E-02	7.70E-01	4.95E-01
110.04392	283.39	16.88	11.99	12.23	14.20	3.32E-31	5.33E-15	6.22E-15	5.85E-10	9.30E-01	9.18E-07	1.22E-05
110.07233	219.11	16.00	10.15	10.57	10.73	1.11E-16	1.00E-13	1.60E-12	3.12E-11	9.35E-01	8.60E-01	9.96E-01
110.5052	267.66	15.17	16.13	15.48	15.94	5.54E-03	6.02E-03	7.09E-01	5.10E-02	1.25E-01	9.24E-01	4.27E-01
110.60973	272.12	16.56	16.26	16.19	16.01	3.07E-02	3.57E-01	1.72E-01	1.82E-02	9.81E-01	5.54E-01	7.77E-01
110.89894	108.65	15.56	14.71	14.84	15.23	3.18E-15	1.21E-13	7.59E-11	9.86E-03	6.48E-01	1.93E-05	1.67E-03
110.97555	290.68	15.15	17.00	16.72	16.40	8.78E-14	5.12E-13	4.73E-10	1.94E-06	6.35E-01	7.21E-02	5.61E-01

110.97583	18	14.80	15.66	15.50	15.37	2.89E-05	2.60E-05	8.65E-04	1.33E-02	8.20E-01	4.45E-01	9.14E-01
111.00631	113.04	14.67	13.72	13.57	14.54	4.36E-08	5.88E-05	1.72E-06	9.27E-01	8.94E-01	1.62E-03	9.52E-05
111.00886	22.73	23.09	23.62	24.25	24.07	9.23E-42	1.10E-11	5.11E-15	5.11E-15	5.10E-14	3.23E-08	9.98E-02
111.01986	274.46	21.57	21.54	21.60	21.65	9.48E-01	9.99E-01	9.99E-01	9.71E-01	9.90E-01	9.38E-01	9.92E-01
111.03926	209.07	14.16	7.43	8.38	8.76	1.03E-24	2.51E-14	4.31E-14	4.79E-14	4.19E-01	1.64E-01	9.33E-01
111.04505	185	17.93	17.60	17.69	17.96	3.22E-05	7.60E-04	2.03E-02	9.78E-01	7.59E-01	3.70E-04	9.90E-03
111.05636	90.61	15.96	13.44	13.69	14.20	1.32E-43	5.11E-15	5.11E-15	2.02E-14	3.77E-01	2.38E-05	8.48E-03
111.08142	168.41	16.19	14.85	15.01	15.53	1.10E-27	7.33E-15	3.40E-14	1.75E-07	4.97E-01	1.16E-07	6.20E-05
111.94726	22.79	15.97	16.04	15.74	15.85	1.11E-04	6.73E-01	4.35E-03	3.37E-01	9.50E-05	3.70E-02	3.94E-01
112.00382	291	16.30	16.65	16.72	17.13	3.56E-07	4.83E-02	1.07E-02	4.40E-08	9.62E-01	4.63E-03	1.89E-02
112.01217	21.59	18.38	18.76	19.59	19.42	7.47E-38	3.60E-05	5.11E-15	6.22E-15	4.31E-14	9.76E-12	1.91E-01
112.01506	290.62	16.66	17.63	17.42	17.36	1.58E-16	4.29E-14	1.04E-10	8.44E-09	1.95E-01	7.31E-02	9.55E-01
112.01519	210.7	15.06	12.77	12.98	13.78	6.23E-06	1.47E-05	8.05E-05	4.47E-02	9.75E-01	1.82E-01	3.63E-01
112.02327	172.27	16.52	16.67	17.06	16.80	1.99E-05	5.47E-01	7.24E-06	6.25E-02	2.68E-03	6.43E-01	1.07E-01
112.02341	28.25	17.74	16.79	16.75	17.13	3.72E-15	2.02E-12	2.80E-13	1.30E-05	9.94E-01	4.63E-02	2.16E-02
112.04022	289.75	17.10	16.87	16.85	17.06	3.27E-02	1.13E-01	6.46E-02	9.70E-01	9.97E-01	3.25E-01	2.23E-01
112.05145	282.99	18.00	19.20	19.32	18.95	4.80E-23	4.43E-14	3.55E-14	1.72E-11	7.83E-01	2.27E-01	2.51E-02
112.05164	36.57	17.41	18.62	18.38	17.63	2.77E-13	2.17E-11	7.53E-08	5.70E-01	4.57E-01	2.04E-07	1.29E-04
112.91212	45.69	15.58	16.33	16.39	16.31	8.73E-26	4.12E-14	2.71E-14	4.37E-14	8.52E-01	9.92E-01	7.11E-01
112.91524	45.73	15.30	15.79	15.89	15.95	1.14E-11	1.55E-06	3.16E-09	3.54E-10	6.89E-01	3.48E-01	9.32E-01
112.94186	39.98	15.01	15.09	14.86	14.85	2.98E-01	9.49E-01	7.10E-01	6.83E-01	4.01E-01	3.86E-01	1.00E+00
112.94623	46	15.24	15.30	15.28	15.36	7.18E-01	9.45E-01	9.83E-01	6.57E-01	9.98E-01	9.33E-01	8.62E-01
112.96971	46.23	14.87	16.12	16.26	16.07	8.73E-26	4.49E-14	2.20E-14	4.33E-14	6.99E-01	9.83E-01	4.82E-01
112.98556	46.06	27.77	28.75	28.85	28.71	2.58E-34	6.66E-15	5.11E-15	1.84E-14	5.91E-01	9.61E-01	3.15E-01
112.98833	28.82	19.28	18.78	18.74	19.37	1.31E-02	1.43E-01	9.60E-02	9.78E-01	9.99E-01	7.53E-02	4.90E-02
112.99909	292.29	17.98	17.82	17.95	18.14	8.91E-02	4.87E-01	9.91E-01	5.82E-01	6.83E-01	5.05E-02	4.25E-01
113.01392	33.32	15.54	13.00	14.58	14.25	6.23E-14	4.73E-14	5.41E-03	1.37E-04	1.67E-06	3.96E-04	7.04E-01
113.02425	291.04	18.94	18.44	18.38	18.54	3.98E-06	1.12E-04	6.97E-06	3.52E-03	9.40E-01	8.68E-01	5.42E-01
113.02907	46.18	15.01	15.90	15.98	16.01	1.74E-15	1.55E-10	2.32E-12	3.30E-12	9.27E-01	8.54E-01	9.97E-01
113.03547	288.81	17.75	17.46	17.61	17.81	5.36E-03	2.26E-02	5.13E-01	9.34E-01	4.51E-01	6.04E-03	2.35E-01
113.03564	33.15	17.91	16.44	16.63	16.76	1.35E-33	5.11E-15	7.33E-15	4.00E-14	3.29E-01	3.08E-02	6.66E-01
113.0436	106.51	16.41	14.38	14.39	15.26	3.17E-19	4.37E-14	4.27E-14	6.26E-06	1.00E+00	1.43E-03	1.32E-03
113.04383	19.59	17.59	15.80	15.83	15.83	3.16E-17	2.44E-13	3.13E-13	1.74E-12	9.99E-01	9.99E-01	1.00E+00
113.06067	293.91	16.87	16.78	16.70	16.82	2.20E-01	7.17E-01	1.71E-01	9.59E-01	7.71E-01	9.55E-01	4.64E-01
113.09711	106.85	14.61	12.48	12.58	13.63	1.64E-16	8.22E-14	3.54E-13	1.39E-03	9.79E-01	1.39E-04	5.70E-04
113.98061	49.04	17.50	16.48	16.74	17.23	6.05E-18	4.40E-14	2.55E-10	8.90E-02	9.36E-02	3.43E-09	1.73E-04
113.98882	45.59	22.34	22.72	22.86	22.78	4.45E-19	2.85E-10	4.26E-14	5.44E-13	4.10E-02	6.32E-01	5.03E-01
113.99142	26.85	15.77	15.66	15.89	15.31	1.07E-01	9.66E-01	9.54E-01	2.14E-01	7.70E-01	4.72E-01	8.04E-02
114.00965	290.17	15.94	15.26	15.07	15.51	2.92E-01	4.79E-01	2.54E-01	8.10E-01	9.80E-01	9.60E-01	8.17E-01
114.0195	280.51	18.21	18.12	18.18	18.40	1.60E-01	8.63E-01	9.90E-01	4.40E-01	9.65E-01	1.27E-01	2.97E-01
114.02763	135.86	15.35	14.69	14.73	15.00	1.73E-08	1.28E-07	5.74E-07	1.47E-02	9.86E-01	5.27E-02	1.11E-01
114.02779	21.54	16.58	16.40	16.07	16.14	1.88E-06	2.74E-01	4.32E-06	2.16E-04	8.92E-03	8.26E-02	8.97E-01
114.03099	21.27	15.64	15.16	15.05	15.46	6.33E-06	6.35E-04	1.24E-05	4.51E-01	8.19E-01	1.03E-01	9.59E-03
114.05587	284.64	17.82	17.86	17.93	17.66	1.22E-01	9.88E-01	7.29E-01	4.75E-01	9.03E-01	3.20E-01	8.11E-02
114.06547	243.36	17.03	18.09	17.90	16.89	4.10E-16	1.39E-10	1.21E-07	7.97E-01	5.94E-01	6.09E-12	5.14E-09

114.90064	46.19	13.85	14.62	14.40	14.59	4.05E-06	1.42E-05	3.10E-03	5.96E-05	5.35E-01	9.97E-01	6.81E-01
114.93391	291.25	14.42	15.70	15.77	16.67	9.92E-07	5.66E-03	2.56E-03	2.14E-07	9.97E-01	7.91E-02	1.17E-01
114.93396	131.99	15.97	13.79	13.65	14.23	7.40E-40	5.11E-15	5.11E-15	2.58E-14	7.99E-01	3.57E-02	2.01E-03
114.9363	29.46	15.45	15.01	14.55	14.90	3.64E-01	8.25E-01	2.81E-01	7.14E-01	8.08E-01	9.96E-01	9.14E-01
114.98976	46.89	20.93	21.56	21.65	21.55	1.50E-36	5.77E-15	5.11E-15	7.55E-15	3.33E-01	9.99E-01	2.90E-01
115.00377	17.93	23.96	24.56	24.66	24.47	5.81E-22	4.37E-14	3.89E-14	1.21E-11	5.08E-01	5.85E-01	4.46E-02
115.0148	292.88	16.65	16.29	16.44	16.41	8.67E-02	5.57E-02	4.54E-01	3.37E-01	7.12E-01	8.63E-01	9.94E-01
115.01483	187.95	16.32	14.52	14.25	15.15	1.28E-19	6.38E-14	4.31E-14	1.04E-06	5.94E-01	2.82E-02	4.15E-04
115.02293	121.11	15.57	15.05	15.31	15.40	5.91E-03	2.38E-03	2.63E-01	6.54E-01	3.09E-01	1.09E-01	9.33E-01
115.03006	261.91	19.06	16.98	16.95	17.06	1.88E-53	5.11E-15	5.11E-15	5.11E-15	9.88E-01	9.17E-01	7.67E-01
115.03009	87.66	16.90	14.46	15.11	15.40	8.10E-54	5.11E-15	5.11E-15	5.33E-15	8.14E-07	2.96E-12	7.25E-02
115.03991	276.89	20.55	19.74	19.52	19.95	9.96E-05	2.76E-03	6.31E-05	5.71E-02	8.00E-01	8.12E-01	2.86E-01
115.05112	287.45	17.36	16.86	16.84	17.32	7.72E-07	1.35E-04	6.34E-05	9.84E-01	9.99E-01	1.27E-03	6.88E-04
115.07631	258.39	20.49	21.67	21.17	20.56	3.64E-09	2.45E-08	2.54E-03	9.83E-01	5.57E-02	7.94E-07	1.52E-02
115.92059	170.73	15.55	13.97	13.84	14.31	5.28E-27	3.44E-14	1.04E-14	1.31E-13	8.26E-01	1.40E-01	1.54E-02
116.00706	19.15	19.11	19.65	19.75	19.56	2.35E-16	2.05E-11	4.51E-14	5.14E-08	4.80E-01	6.51E-01	5.25E-02
116.02526	291.24	21.10	19.68	19.89	19.80	6.52E-28	1.07E-14	4.33E-14	4.00E-14	3.55E-01	7.79E-01	9.16E-01
116.02542	23.83	17.59	16.35	15.83	16.01	8.91E-28	6.64E-14	6.22E-15	3.65E-14	2.95E-03	1.17E-01	6.42E-01
116.03512	291.1	18.56	18.12	18.34	18.88	8.76E-03	1.71E-01	7.26E-01	4.80E-01	7.47E-01	5.35E-03	8.17E-02
116.05055	23.05	18.40	17.42	17.79	17.86	1.01E-24	6.00E-15	1.95E-12	1.92E-09	6.94E-05	2.55E-06	8.14E-01
116.07157	284.35	20.78	20.66	20.75	20.65	3.97E-01	5.57E-01	9.86E-01	4.70E-01	7.78E-01	9.98E-01	6.93E-01
116.07964	239.61	16.39	16.21	16.32	16.11	3.17E-01	6.25E-01	9.58E-01	2.88E-01	9.01E-01	9.36E-01	5.87E-01
116.27952	252.43	15.06	14.03	14.74	14.48	2.47E-03	1.11E-03	6.42E-01	1.63E-01	5.25E-02	3.98E-01	7.92E-01
116.9284	291.7	21.44	21.46	21.30	22.29	2.00E-05	9.99E-01	9.02E-01	3.10E-04	8.59E-01	7.61E-04	2.80E-05
116.92844	158.51	21.44	19.56	19.82	19.88	1.82E-16	5.18E-14	1.12E-11	2.39E-10	6.43E-01	5.08E-01	9.94E-01
116.93452	29.8	13.90	13.22	12.24	13.42	3.10E-02	6.12E-01	1.65E-02	8.36E-01	3.26E-01	9.86E-01	1.89E-01
116.97233	167.06	19.04	16.70	16.39	17.33	5.27E-37	5.11E-15	5.11E-15	4.25E-14	3.19E-01	5.90E-03	6.57E-06
117.0192	293.31	19.95	19.96	20.07	20.57	1.91E-04	1.00E+00	8.49E-01	3.54E-04	8.76E-01	6.29E-04	7.46E-03
117.03449	189.55	16.10	15.14	14.90	15.09	4.15E-19	4.80E-12	4.41E-14	1.54E-12	2.43E-01	9.82E-01	4.69E-01
117.03799	30.34	19.77	19.29	19.19	18.97	8.48E-06	1.02E-02	1.05E-03	4.59E-06	9.28E-01	2.02E-01	5.08E-01
117.03842	171.1	16.90	17.13	18.35	17.57	4.09E-19	4.21E-01	4.15E-14	9.54E-05	2.19E-13	2.54E-02	4.78E-06
117.04568	290.15	17.30	15.94	16.29	16.16	5.92E-18	4.17E-14	2.05E-10	4.59E-12	8.85E-02	4.84E-01	8.24E-01
117.05557	288.33	19.03	18.11	18.15	18.67	8.79E-12	6.94E-10	2.60E-09	5.58E-02	9.92E-01	6.28E-04	1.59E-03
117.07491	174.68	17.01	16.59	16.28	16.62	2.75E-02	2.99E-01	1.25E-02	3.97E-01	5.83E-01	9.99E-01	5.18E-01
117.92846	291.14	17.34	17.36	17.08	18.31	2.95E-05	1.00E+00	7.10E-01	9.25E-04	6.73E-01	1.89E-03	1.94E-05
117.92854	161.81	17.94	15.33	15.70	15.64	1.91E-40	5.11E-15	5.11E-15	5.11E-15	1.61E-01	3.14E-01	9.91E-01
117.95467	118.11	15.54	15.01	15.08	14.23	2.27E-15	1.06E-03	4.89E-03	4.41E-14	9.69E-01	1.04E-06	8.71E-08
118.00455	294.96	16.46	16.69	16.43	16.21	1.51E-01	6.49E-01	9.99E-01	5.85E-01	5.70E-01	9.27E-02	6.91E-01
118.02258	121.95	15.86	15.09	15.74	15.96	5.68E-11	8.74E-09	7.90E-01	8.36E-01	1.75E-06	5.67E-10	3.25E-01
118.02977	188.33	16.61	15.43	15.57	16.01	5.25E-19	4.53E-14	6.68E-14	2.91E-05	6.86E-01	7.63E-05	4.13E-03
118.0413	24.7	24.03	23.77	23.70	23.44	1.71E-03	2.94E-01	1.08E-01	5.42E-04	9.64E-01	1.27E-01	2.99E-01
118.05095	27.14	21.86	21.49	21.76	21.70	6.86E-05	2.30E-05	5.90E-01	2.07E-01	4.12E-03	5.06E-02	8.85E-01
118.05893	140.25	15.36	14.34	14.51	14.99	1.57E-11	1.22E-10	6.13E-08	6.42E-02	6.61E-01	1.64E-04	8.64E-03
118.91803	289.55	12.45	17.65	17.95	18.74	1.05E-55	5.11E-15	5.11E-15	5.11E-15	7.97E-01	6.29E-03	7.45E-02
118.92675	290.57	13.84	14.82	13.69	15.80	1.16E-06	6.90E-02	9.80E-01	1.69E-05	2.93E-02	9.19E-02	4.79E-06

118.9307	32.6	21.25	19.89	20.13	20.02	2.22E-08	1.56E-07	1.78E-05	4.38E-06	7.47E-01	9.56E-01	9.67E-01
118.94197	109.31	18.85	19.13	19.03	18.74	8.12E-02	2.85E-01	6.58E-01	8.93E-01	9.23E-01	8.39E-02	2.82E-01
118.95153	152.16	16.75	15.47	14.84	15.99	1.16E-26	8.13E-14	5.33E-15	1.14E-05	3.84E-04	8.82E-03	6.24E-11
118.9576	83.51	15.87	15.63	15.65	15.23	1.62E-06	1.24E-01	1.81E-01	2.56E-07	9.97E-01	4.00E-03	1.86E-03
118.96936	146.97	16.88	14.73	14.30	15.46	1.76E-44	5.11E-15	5.11E-15	4.42E-14	2.51E-02	3.27E-05	1.13E-11
118.97921	29.21	14.84	14.67	14.06	14.06	1.04E-03	8.93E-01	6.02E-03	7.82E-03	6.04E-02	6.83E-02	1.00E+00
119.01693	292.36	16.55	16.72	16.64	15.96	4.59E-07	5.80E-01	8.90E-01	1.40E-04	9.46E-01	9.93E-07	1.03E-05
119.02489	286.3	18.87	17.84	17.89	17.75	2.11E-22	4.46E-14	4.43E-14	4.35E-14	9.80E-01	8.30E-01	6.03E-01
119.03505	26.3	21.07	21.18	20.80	20.96	3.40E-03	6.73E-01	4.66E-02	7.31E-01	1.88E-03	1.65E-01	4.60E-01
119.03556	289.29	19.08	17.92	17.86	18.53	1.89E-20	4.33E-14	4.35E-14	2.20E-04	9.77E-01	5.85E-05	8.33E-06
119.0443	291.43	17.40	16.37	16.35	15.93	4.55E-09	3.56E-05	1.92E-05	4.22E-09	1.00E+00	2.41E-01	2.75E-01
119.04872	291.18	18.02	16.48	16.44	16.66	2.43E-33	5.33E-15	5.11E-15	3.35E-14	9.94E-01	5.15E-01	3.56E-01
119.05443	25.6	16.42	15.79	16.00	16.10	8.50E-09	1.94E-09	7.46E-05	7.01E-03	1.50E-01	1.27E-02	7.31E-01
119.06133	261.87	19.21	16.85	17.08	16.93	2.10E-62	5.11E-15	5.11E-15	5.11E-15	1.75E-01	9.14E-01	5.42E-01
119.94685	153.07	16.19	14.32	14.08	14.96	1.24E-25	4.20E-14	1.29E-14	3.25E-09	5.69E-01	5.68E-03	3.96E-05
119.97591	292.55	15.30	16.71	16.28	16.96	2.38E-06	7.60E-05	1.12E-02	4.16E-06	5.32E-01	8.81E-01	1.68E-01
120.01252	24.22	18.69	17.17	17.62	17.63	5.86E-14	8.35E-14	5.77E-08	2.11E-07	7.70E-02	8.40E-02	1.00E+00
120.02013	288.92	19.78	19.03	19.24	18.69	1.66E-21	2.65E-12	4.23E-07	2.69E-14	1.44E-01	4.55E-03	6.11E-07
120.03017	121.29	14.90	14.15	14.03	14.73	2.05E-11	3.19E-07	1.45E-09	5.95E-01	7.92E-01	3.05E-04	5.20E-06
120.0329	210.05	14.51	10.22	9.77	9.23	8.37E-11	7.60E-07	3.03E-08	2.45E-09	9.44E-01	6.33E-01	9.13E-01
120.03835	22.31	15.90	15.50	15.62	15.74	9.20E-03	5.35E-03	9.45E-02	5.51E-01	7.41E-01	2.38E-01	7.99E-01
120.04416	289.98	16.53	13.66	13.60	13.50	3.24E-27	4.02E-14	3.46E-14	3.49E-14	9.97E-01	9.42E-01	9.83E-01
120.04862	126.48	15.04	14.32	14.98	14.67	1.40E-04	1.94E-04	9.81E-01	1.54E-01	1.14E-03	2.03E-01	3.24E-01
120.05662	268.14	23.11	21.23	21.54	21.56	6.70E-36	5.11E-15	6.88E-15	1.42E-14	9.77E-02	7.83E-02	9.98E-01
120.05681	29.96	20.39	19.03	19.28	19.04	3.60E-20	4.33E-14	3.21E-12	4.33E-14	3.16E-01	1.00E+00	4.00E-01
120.06643	282.72	21.48	19.62	19.37	20.26	6.03E-17	1.11E-12	4.42E-14	7.13E-06	7.37E-01	5.04E-02	2.18E-03
120.92775	43.01	19.95	17.59	18.37	18.30	6.35E-21	3.40E-14	4.16E-11	2.74E-11	3.10E-03	1.25E-02	9.89E-01
120.94453	163.98	13.45	10.77	11.99	11.76	1.43E-11	1.77E-12	1.52E-04	1.89E-05	3.76E-03	3.54E-02	9.25E-01
120.94865	135.67	14.44	13.39	14.53	14.08	1.27E-04	5.47E-04	9.87E-01	5.56E-01	2.04E-04	6.37E-02	3.77E-01
121.00418	292.12	15.87	15.90	15.95	15.17	2.66E-03	9.99E-01	9.83E-01	1.16E-02	9.97E-01	9.71E-03	4.54E-03
121.0043	91.72	15.60	13.60	13.91	14.15	2.36E-38	5.11E-15	5.11E-15	3.29E-14	9.97E-02	4.53E-04	2.72E-01
121.01543	291.53	15.19	16.04	16.02	14.71	2.93E-05	2.73E-02	3.05E-02	4.13E-01	1.00E+00	2.56E-04	2.86E-04
121.0156	196.72	14.44	14.06	14.35	10.37	3.06E-14	8.82E-01	9.98E-01	1.80E-12	9.47E-01	4.08E-10	1.22E-11
121.01591	20.98	19.16	18.11	18.25	17.27	1.48E-20	1.35E-08	7.83E-07	2.71E-14	8.47E-01	1.71E-05	3.12E-07
121.02936	280.91	21.80	22.02	20.98	21.43	2.94E-08	5.43E-01	1.13E-05	1.39E-01	3.54E-08	5.08E-03	5.93E-02
121.03253	286.96	16.44	16.58	16.44	16.86	4.07E-03	6.84E-01	1.00E+00	5.51E-03	7.07E-01	1.29E-01	7.12E-03
121.03255	217.42	17.65	16.71	16.80	16.82	1.30E-09	2.47E-08	3.94E-07	1.80E-06	9.40E-01	9.10E-01	1.00E+00
121.04053	291.94	19.20	17.64	18.03	18.05	1.93E-30	5.11E-15	4.15E-14	4.37E-14	7.28E-03	5.89E-03	9.98E-01
121.04069	26.27	17.65	15.99	15.48	15.87	1.51E-46	5.11E-15	5.11E-15	5.11E-15	3.11E-04	7.89E-01	1.23E-02
121.05178	287.98	22.61	20.97	21.01	20.91	1.23E-35	5.11E-15	5.33E-15	5.11E-15	9.95E-01	9.64E-01	8.87E-01
121.05987	287.33	17.81	16.37	16.33	16.62	1.95E-32	5.77E-15	5.11E-15	4.13E-14	9.89E-01	1.53E-01	7.34E-02
121.05997	93	16.15	14.12	14.11	15.03	7.15E-38	5.11E-15	5.11E-15	4.32E-12	1.00E+00	4.94E-08	2.43E-08
121.06573	142.6	15.02	13.08	13.24	13.57	2.18E-30	5.33E-15	1.15E-14	4.22E-14	7.38E-01	1.46E-02	1.70E-01
121.06983	175.39	16.27	15.52	15.27	15.92	1.72E-12	2.28E-07	2.86E-12	4.67E-02	2.37E-01	2.39E-02	2.45E-05
121.94393	149.2	14.69	11.44	11.44	13.27	1.38E-11	1.58E-09	1.15E-09	2.60E-02	1.00E+00	2.85E-03	2.62E-03

121.99203	24.29	16.66	15.04	14.89	15.41	1.55E-11	6.10E-09	1.32E-10	1.70E-05	9.33E-01	5.15E-01	2.02E-01
121.99943	292.73	16.27	16.41	16.25	16.21	7.90E-01	8.89E-01	1.00E+00	9.92E-01	8.59E-01	7.76E-01	9.97E-01
122.02464	232.49	19.03	18.68	18.60	18.86	2.66E-01	4.53E-01	2.48E-01	8.96E-01	9.84E-01	8.90E-01	7.07E-01
122.03273	284.58	17.43	17.62	16.95	17.38	4.02E-07	3.74E-01	1.40E-04	9.69E-01	1.60E-07	2.03E-01	1.90E-03
122.03579	289.63	22.08	20.78	20.86	20.71	1.05E-35	5.11E-15	6.22E-15	5.11E-15	8.58E-01	9.22E-01	4.95E-01
122.03595	19.38	18.86	16.81	17.03	17.28	4.38E-43	5.11E-15	5.11E-15	6.22E-15	3.08E-01	2.55E-03	2.32E-01
122.04506	25.09	18.79	18.49	18.46	18.16	8.96E-04	1.88E-01	1.05E-01	2.43E-04	9.94E-01	1.37E-01	2.15E-01
122.05517	293.96	17.16	16.68	16.56	16.45	2.27E-03	6.88E-02	1.13E-02	2.75E-03	9.30E-01	6.86E-01	9.53E-01
122.06102	190.57	15.88	14.61	14.67	15.03	4.69E-21	4.22E-14	4.20E-14	5.55E-09	9.72E-01	1.17E-02	3.75E-02
122.92593	63.02	15.69	13.38	13.60	13.76	6.89E-26	2.24E-14	4.29E-14	4.34E-14	7.13E-01	3.10E-01	8.93E-01
122.96017	68.2	14.38	15.39	12.84	13.35	2.93E-94	5.11E-15	5.11E-15	5.11E-15	5.11E-15	5.11E-15	6.18E-10
122.96819	144.15	15.76	14.33	12.88	13.48	1.23E-15	1.07E-04	4.30E-14	6.05E-10	1.39E-04	6.99E-02	3.07E-01
122.97555	290.35	18.30	16.53	16.48	17.59	4.04E-27	3.26E-14	2.11E-14	1.94E-04	9.92E-01	2.09E-08	3.50E-09
122.97596	20.58	15.35	15.81	15.80	16.10	3.66E-07	1.48E-03	1.93E-03	8.95E-08	1.00E+00	1.25E-01	9.57E-02
122.98534	28.24	16.14	18.86	18.90	18.10	2.36E-62	5.11E-15	5.11E-15	5.11E-15	9.87E-01	4.88E-07	7.05E-08
123.00857	290.47	17.35	17.49	17.62	17.54	7.39E-02	5.53E-01	4.60E-02	3.11E-01	5.93E-01	9.73E-01	8.61E-01
123.01979	292.39	18.86	18.05	18.24	17.90	5.56E-15	6.06E-11	4.99E-07	1.01E-13	3.47E-01	5.77E-01	2.07E-02
123.03102	291.4	17.69	16.35	16.45	16.30	1.73E-33	5.33E-15	1.29E-14	5.33E-15	7.55E-01	9.83E-01	5.39E-01
123.0392	290.39	16.45	14.86	15.37	15.39	6.13E-07	2.21E-07	7.24E-04	1.53E-03	2.75E-01	2.72E-01	1.00E+00
123.04501	202.46	17.01	16.24	16.04	16.34	2.85E-11	1.95E-07	3.44E-11	1.45E-05	4.67E-01	8.87E-01	1.41E-01
123.04864	25.13	23.55	23.49	23.40	23.07	8.85E-03	9.68E-01	7.15E-01	6.30E-03	9.39E-01	3.09E-02	1.19E-01
123.05619	280.63	20.49	18.65	18.77	18.50	4.86E-44	5.11E-15	5.11E-15	5.11E-15	7.71E-01	6.72E-01	1.64E-01
123.05631	23.22	17.96	16.46	16.39	16.88	6.90E-36	5.11E-15	5.11E-15	4.39E-14	9.26E-01	3.28E-03	3.10E-04
123.06754	219.98	17.22	11.69	10.98	11.74	4.46E-26	4.23E-14	1.98E-14	4.24E-14	5.98E-01	1.00E+00	5.66E-01
123.08141	185.69	16.03	15.31	15.49	15.86	1.51E-12	1.72E-11	3.19E-07	3.33E-01	2.85E-01	1.17E-06	1.65E-03
123.90193	180.04	15.16	14.82	14.93	14.59	3.76E-02	2.92E-01	6.10E-01	2.03E-02	9.49E-01	6.52E-01	3.27E-01
123.90229	24.07	16.92	17.22	16.33	16.98	7.07E-02	8.15E-01	2.83E-01	9.99E-01	4.91E-02	9.05E-01	2.54E-01
123.92302	23.25	16.32	16.41	16.41	16.21	7.12E-03	5.10E-01	5.27E-01	2.57E-01	1.00E+00	1.15E-02	1.19E-02
123.92658	23.49	16.04	16.07	15.94	15.82	3.14E-02	9.90E-01	6.53E-01	6.24E-02	4.84E-01	3.48E-02	5.28E-01
123.9623	23.74	15.98	16.00	15.78	15.66	1.88E-02	9.98E-01	3.45E-01	4.53E-02	2.82E-01	3.51E-02	7.49E-01
123.98902	23.74	16.08	16.10	16.12	15.90	6.54E-01	1.00E+00	9.96E-01	7.66E-01	9.99E-01	7.35E-01	6.48E-01
124.00392	95.29	14.99	12.05	11.66	12.99	6.54E-23	4.31E-14	3.31E-14	1.27E-08	6.07E-01	2.24E-02	3.27E-04
124.00742	26.24	28.29	28.92	28.78	28.60	5.94E-16	4.40E-14	1.72E-10	1.86E-04	2.07E-01	1.24E-04	6.71E-02
124.01504	290.9	17.34	17.41	17.33	17.01	1.39E-02	9.27E-01	1.00E+00	5.13E-02	9.22E-01	1.19E-02	6.21E-02
124.01541	27.35	16.58	15.76	15.94	16.13	2.16E-04	1.36E-04	4.69E-03	1.05E-01	7.76E-01	2.41E-01	7.71E-01
124.0155	99.99	15.97	14.26	14.57	14.84	2.49E-31	5.11E-15	2.33E-14	4.86E-14	7.89E-02	1.26E-04	1.79E-01
124.02692	23.67	16.37	16.57	16.53	15.67	1.09E-04	7.58E-01	8.59E-01	5.01E-03	9.97E-01	2.21E-04	4.16E-04
124.0403	236.88	19.81	19.15	19.07	19.81	1.35E-04	9.12E-03	2.23E-03	1.00E+00	9.82E-01	1.46E-02	4.12E-03
124.05152	261.79	22.24	19.97	20.17	20.05	6.90E-65	5.11E-15	5.11E-15	5.11E-15	2.52E-01	8.80E-01	7.16E-01
124.05781	27.86	15.94	16.37	16.35	15.91	1.53E-02	8.51E-02	1.03E-01	9.99E-01	1.00E+00	8.23E-02	9.94E-02
124.08848	23.52	15.95	15.82	15.93	15.75	2.45E-01	6.23E-01	9.97E-01	2.73E-01	7.53E-01	9.28E-01	3.88E-01
124.09201	23.32	16.30	16.36	16.35	16.20	4.20E-02	7.03E-01	8.50E-01	3.31E-01	9.93E-01	4.05E-02	7.51E-02
124.98792	121.93	15.21	14.61	14.77	15.07	2.60E-05	4.19E-05	3.76E-03	6.95E-01	6.51E-01	6.18E-03	1.28E-01
124.98796	26.32	15.81	14.89	14.82	15.39	5.25E-13	5.61E-10	1.79E-11	1.34E-02	9.57E-01	3.35E-03	4.90E-04
124.99129	17.16	19.78	20.20	19.72	19.83	3.71E-05	3.82E-04	9.35E-01	9.55E-01	4.97E-05	5.14E-03	7.10E-01

124.99902	290.73	17.18	16.66	16.81	16.28	3.09E-06	6.58E-03	1.01E-01	6.79E-07	7.62E-01	1.20E-01	8.54E-03
125.00438	19.08	19.52	19.72	19.68	19.61	8.29E-05	9.49E-05	1.93E-03	2.82E-01	8.59E-01	7.22E-02	3.30E-01
125.00666	22.66	20.89	21.13	21.06	20.98	1.82E-06	1.33E-06	7.19E-04	2.47E-01	4.70E-01	7.10E-03	2.44E-01
125.01064	22.69	22.76	23.02	22.94	22.82	4.08E-05	4.12E-05	1.13E-02	7.32E-01	4.44E-01	4.99E-03	2.16E-01
125.01347	26.04	16.47	16.84	16.88	16.54	7.42E-03	4.99E-02	1.77E-02	9.56E-01	9.87E-01	2.09E-01	1.01E-01
125.01772	25.15	17.37	17.75	18.49	17.84	1.42E-16	7.14E-03	4.35E-14	7.53E-04	2.15E-08	8.96E-01	1.73E-06
125.02425	261.93	17.63	17.57	17.76	17.58	4.23E-01	9.59E-01	7.23E-01	9.75E-01	4.35E-01	1.00E+00	4.99E-01
125.03546	291.46	18.80	18.26	18.37	18.05	5.09E-06	8.54E-04	1.04E-02	2.60E-06	8.82E-01	4.96E-01	1.44E-01
125.03559	215.74	20.48	17.58	17.46	17.00	3.02E-34	1.47E-14	7.11E-15	5.11E-15	9.68E-01	1.40E-01	3.15E-01
125.03561	38.89	18.68	17.65	17.08	17.55	3.65E-16	7.98E-08	4.39E-14	1.03E-08	8.39E-03	9.54E-01	4.83E-02
125.04756	209.46	14.09	7.31	7.92	8.17	1.35E-26	2.00E-14	4.02E-14	4.33E-14	7.44E-01	5.28E-01	9.81E-01
125.05258	32.07	15.44	14.83	15.06	14.73	3.24E-03	1.48E-02	2.39E-01	3.64E-03	6.68E-01	9.60E-01	3.76E-01
125.06064	289.61	16.26	16.20	16.34	16.34	7.37E-01	9.80E-01	9.33E-01	9.39E-01	7.74E-01	7.90E-01	1.00E+00
125.07198	213.16	14.31	10.95	10.19	10.37	5.31E-07	2.38E-04	3.02E-06	1.92E-05	7.92E-01	9.05E-01	9.96E-01
125.097	295.24	16.78	16.76	16.70	16.83	6.50E-01	9.96E-01	8.35E-01	9.64E-01	9.33E-01	9.06E-01	5.86E-01
125.89984	29.91	15.72	16.15	14.68	15.51	1.05E-02	7.43E-01	7.70E-02	9.67E-01	5.46E-03	4.96E-01	2.60E-01
125.90248	118.4	12.74	13.96	14.00	14.00	8.28E-15	5.66E-11	1.08E-11	4.59E-11	9.97E-01	9.97E-01	1.00E+00
126.00312	23.14	23.98	24.23	24.18	24.04	1.55E-04	3.58E-04	5.11E-03	7.57E-01	8.79E-01	2.05E-02	1.23E-01
126.0115	23	20.81	21.05	20.98	20.86	2.37E-05	3.91E-05	4.37E-03	7.36E-01	6.15E-01	4.70E-03	1.21E-01
126.01947	293.51	16.95	16.93	16.79	17.33	5.05E-03	1.00E+00	7.00E-01	5.18E-02	7.69E-01	5.00E-02	2.61E-03
126.02775	116.44	14.47	12.68	12.95	13.37	5.28E-11	1.56E-10	3.68E-08	2.13E-04	7.42E-01	5.35E-02	3.83E-01
126.03069	290.74	16.92	16.86	16.97	16.60	3.23E-02	9.69E-01	9.76E-01	6.80E-02	8.33E-01	2.02E-01	2.73E-02
126.03078	174.15	17.43	16.22	14.55	14.80	2.56E-10	3.42E-02	2.27E-09	1.47E-07	1.58E-03	1.41E-02	9.50E-01
126.03899	93.83	15.65	12.78	13.02	13.65	1.48E-27	8.66E-15	2.89E-14	3.51E-13	7.46E-01	3.90E-03	6.52E-02
126.05592	208.88	17.53	16.85	16.68	16.99	3.04E-13	6.41E-09	4.54E-13	1.11E-05	4.23E-01	5.78E-01	3.01E-02
126.10044	131.71	15.00	13.25	13.23	13.84	6.89E-17	8.53E-14	5.82E-14	8.94E-07	1.00E+00	4.21E-02	3.17E-02
126.90483	290.93	19.00	19.45	18.94	19.65	4.53E-04	7.55E-02	9.89E-01	4.46E-03	3.93E-02	7.46E-01	1.99E-03
126.90496	175.34	17.65	20.73	14.72	15.71	5.95E-39	1.01E-13	5.28E-13	4.43E-06	5.11E-15	5.11E-15	5.42E-02
126.98729	21.15	15.06	14.88	14.22	14.60	1.37E-01	9.61E-01	1.09E-01	6.33E-01	3.15E-01	8.99E-01	7.62E-01
127.00126	51.54	24.57	23.99	24.23	24.28	2.12E-04	5.25E-05	4.02E-02	1.23E-01	2.47E-01	1.38E-01	9.84E-01
127.00339	135.19	15.65	16.15	15.56	15.90	9.59E-02	1.89E-01	9.83E-01	7.60E-01	9.60E-02	7.80E-01	5.57E-01
127.00655	23.05	17.64	17.82	17.83	17.60	7.41E-04	4.19E-02	1.83E-02	9.50E-01	9.94E-01	1.41E-02	5.75E-03
127.01472	291.9	17.95	17.95	17.72	18.39	2.79E-03	1.00E+00	5.12E-01	5.50E-02	5.29E-01	6.78E-02	1.03E-03
127.02321	21.96	14.54	14.50	13.00	14.08	2.79E-02	1.00E+00	3.26E-02	8.55E-01	4.82E-02	8.92E-01	2.66E-01
127.03991	287.62	17.45	17.24	17.23	17.43	3.20E-02	1.27E-01	9.48E-02	9.99E-01	1.00E+00	2.13E-01	1.69E-01
127.0508	199.65	18.61	16.20	15.81	16.59	1.41E-35	5.77E-15	5.11E-15	4.13E-14	2.07E-01	2.43E-01	1.08E-03
127.05116	291.46	17.27	17.03	17.13	17.29	4.01E-03	1.10E-02	2.88E-01	9.96E-01	5.43E-01	9.22E-03	2.30E-01
127.0595	20.08	14.18	14.29	13.95	13.65	5.81E-01	9.96E-01	9.55E-01	6.80E-01	8.91E-01	5.69E-01	9.30E-01
127.07629	292.36	16.89	16.75	16.80	16.78	6.30E-01	5.93E-01	8.59E-01	7.74E-01	9.67E-01	9.94E-01	9.98E-01
127.11269	172.09	16.95	16.02	16.23	16.41	2.22E-12	2.16E-12	3.13E-08	1.07E-04	3.35E-01	1.26E-02	4.63E-01
127.89733	29.26	14.42	13.97	13.05	13.90	2.53E-03	5.91E-01	9.21E-04	4.95E-01	6.34E-02	9.98E-01	1.12E-01
127.90174	107.85	12.97	14.94	15.28	15.01	7.97E-34	1.53E-14	5.11E-15	1.29E-14	2.16E-01	9.77E-01	4.54E-01
127.99903	20.37	14.48	16.55	15.42	16.18	1.89E-07	2.29E-07	4.49E-02	4.73E-05	1.43E-02	7.75E-01	1.93E-01
128.00446	183.29	17.66	16.80	16.85	17.25	1.18E-12	4.35E-11	4.12E-10	5.21E-03	9.72E-01	2.15E-03	8.24E-03
128.00756	23.63	16.14	15.93	15.73	16.01	2.26E-03	2.25E-01	8.68E-04	6.54E-01	2.45E-01	9.01E-01	6.02E-02

128.01815	137.78	14.80	14.24	14.18	14.92	4.53E-08	5.06E-04	6.82E-05	8.43E-01	9.71E-01	4.38E-05	5.29E-06
128.03514	291.92	20.51	21.41	21.42	21.06	6.48E-08	1.10E-06	4.79E-07	8.39E-03	9.99E-01	1.95E-01	1.51E-01
128.03545	17.36	23.56	23.57	23.57	24.00	3.24E-04	9.99E-01	1.00E+00	8.79E-04	1.00E+00	2.08E-03	1.65E-03
128.04477	170.05	21.52	20.77	20.84	21.21	2.33E-01	2.55E-01	3.41E-01	8.84E-01	9.98E-01	7.27E-01	8.22E-01
128.0448	234.29	18.89	19.27	18.97	19.37	5.75E-01	7.53E-01	9.96E-01	6.22E-01	8.75E-01	9.95E-01	7.66E-01
128.05279	199.87	18.30	19.98	19.95	19.70	4.48E-08	7.78E-07	9.60E-07	8.39E-05	1.00E+00	8.28E-01	8.67E-01
128.07154	290.5	16.28	16.05	16.13	16.27	3.66E-01	4.08E-01	7.44E-01	1.00E+00	9.49E-01	4.95E-01	8.09E-01
128.87005	60.8	14.54	12.98	14.02	14.07	3.12E-07	7.04E-08	2.00E-01	3.17E-01	7.63E-04	6.10E-04	9.98E-01
128.95953	50.19	27.15	27.54	28.01	27.88	5.85E-24	5.18E-06	2.18E-14	4.25E-14	8.02E-08	2.47E-04	4.13E-01
128.9797	63.17	18.82	19.00	18.42	18.71	3.26E-02	7.88E-01	1.60E-01	9.47E-01	1.89E-02	4.90E-01	4.76E-01
129.00542	180.48	15.46	14.35	14.35	14.68	2.01E-11	1.05E-09	7.82E-10	5.11E-05	1.00E+00	2.24E-01	2.21E-01
129.00693	33.33	18.72	18.63	18.54	18.27	2.99E-02	9.17E-01	6.18E-01	1.80E-02	9.47E-01	1.10E-01	3.01E-01
129.01681	175.79	16.66	18.61	17.80	18.35	1.38E-05	1.59E-05	2.63E-02	3.98E-04	1.99E-01	9.25E-01	5.61E-01
129.01692	62.63	17.07	16.67	16.61	16.65	2.79E-01	4.37E-01	3.15E-01	4.20E-01	9.97E-01	1.00E+00	9.99E-01
129.0194	25.2	23.83	24.65	24.72	24.73	5.16E-27	4.24E-14	2.89E-14	3.49E-14	8.57E-01	8.16E-01	1.00E+00
129.02913	291.93	16.79	17.15	17.30	17.02	1.59E-03	3.59E-02	7.66E-04	3.31E-01	6.80E-01	7.90E-01	1.82E-01
129.03259	20.3	15.20	13.68	13.90	14.02	2.54E-04	3.70E-04	2.91E-03	1.17E-02	9.39E-01	8.31E-01	9.91E-01
129.03308	291.44	17.44	15.88	15.84	15.45	7.72E-14	8.24E-09	2.62E-09	1.18E-12	9.99E-01	3.64E-01	4.36E-01
129.03874	20.31	19.13	18.99	19.02	19.43	2.07E-03	6.71E-01	7.85E-01	5.73E-02	9.97E-01	2.75E-03	4.80E-03
129.04177	140.15	15.01	15.01	15.16	14.41	3.76E-05	1.00E+00	7.71E-01	9.77E-04	7.95E-01	1.35E-03	3.19E-05
129.04551	59.97	15.44	12.52	14.53	14.63	2.00E-31	5.11E-15	7.19E-05	9.40E-04	4.26E-14	4.24E-14	9.64E-01
129.04564	290	17.68	16.16	16.13	16.16	3.28E-31	1.27E-14	7.33E-15	1.78E-14	9.91E-01	1.00E+00	9.96E-01
129.04916	62.21	15.01	14.84	14.23	14.37	1.10E-04	7.90E-01	2.77E-04	6.47E-03	1.10E-02	9.76E-02	8.94E-01
129.05555	279	20.79	21.07	20.86	21.02	4.77E-01	5.04E-01	9.84E-01	6.68E-01	7.40E-01	9.96E-01	8.67E-01
129.09194	271.74	18.53	19.77	19.84	19.37	1.01E-31	6.22E-15	5.11E-15	4.79E-13	9.00E-01	1.12E-03	6.64E-05
129.12827	291.39	16.32	16.15	16.77	16.63	9.58E-03	8.36E-01	9.18E-02	3.94E-01	1.18E-02	9.48E-02	9.08E-01
129.9546	55.91	16.35	14.68	15.80	16.21	6.14E-30	5.11E-15	1.24E-04	7.15E-01	5.80E-14	1.91E-14	1.26E-02
129.96277	46.62	21.62	21.61	22.40	22.14	5.77E-39	9.96E-01	5.11E-15	4.26E-14	5.11E-15	4.30E-14	9.06E-05
129.97566	150.11	17.82	16.45	16.28	16.25	1.11E-28	4.13E-14	1.51E-14	1.93E-14	6.07E-01	4.87E-01	9.96E-01
129.97572	19.88	16.45	14.24	14.14	14.65	1.15E-21	4.29E-14	4.47E-14	9.33E-12	9.73E-01	3.42E-01	1.55E-01
130.01442	291.86	14.35	15.92	15.86	16.12	6.51E-11	6.11E-08	1.57E-07	2.42E-09	9.96E-01	8.87E-01	7.74E-01
130.01447	104.63	15.48	14.35	14.56	15.10	1.36E-16	4.51E-14	5.57E-11	2.24E-02	3.82E-01	6.07E-07	5.11E-04
130.01454	196.63	14.91	13.00	13.03	14.43	5.18E-12	3.68E-09	4.13E-09	3.93E-01	1.00E+00	4.18E-05	4.94E-05
130.02272	18.23	19.14	20.05	20.12	20.15	4.61E-33	1.53E-14	5.33E-15	5.77E-15	7.98E-01	6.53E-01	9.93E-01
130.02575	87.61	15.31	14.12	14.19	13.94	2.57E-15	5.64E-11	4.13E-10	2.93E-13	9.79E-01	7.26E-01	4.78E-01
130.02836	290.8	16.12	14.96	15.35	14.95	4.27E-02	6.08E-02	3.34E-01	6.69E-02	8.42E-01	1.00E+00	8.40E-01
130.03299	95.11	15.67	14.74	15.27	14.60	1.39E-15	2.70E-11	9.28E-03	1.57E-13	3.41E-04	7.24E-01	5.55E-06
130.03664	80.63	15.59	13.99	14.40	14.59	1.94E-14	5.82E-14	4.86E-09	2.52E-06	1.47E-01	1.49E-02	7.68E-01
130.04094	291.49	23.26	21.97	22.11	21.96	3.49E-23	4.15E-14	4.35E-14	4.42E-14	7.14E-01	1.00E+00	6.82E-01
130.0508	288.7	18.86	18.46	18.54	19.01	1.34E-03	3.87E-02	1.33E-01	7.85E-01	9.54E-01	3.62E-03	1.68E-02
130.06041	240.64	20.77	20.14	20.13	20.22	1.76E-01	2.44E-01	2.21E-01	3.88E-01	1.00E+00	9.96E-01	9.94E-01
130.06604	180.4	15.15	14.78	14.86	14.70	8.46E-02	1.81E-01	3.77E-01	8.03E-02	9.74E-01	9.76E-01	8.40E-01
130.08722	220.28	23.52	22.86	22.80	22.31	3.04E-05	2.89E-02	1.22E-02	7.64E-06	9.94E-01	1.27E-01	2.05E-01
130.0874	27.32	23.47	22.44	22.47	22.41	1.83E-21	4.26E-14	4.31E-14	4.15E-14	9.91E-01	9.98E-01	9.63E-01
130.95756	45.93	23.58	23.57	24.35	24.08	2.35E-31	1.00E+00	6.66E-15	2.75E-12	8.66E-15	6.58E-12	5.74E-04

130.96364	48.19	20.04	19.84	20.80	20.57	7.40E-44	4.75E-03	5.11E-15	4.24E-14	5.11E-15	7.55E-15	1.39E-03
130.99922	20.82	15.87	16.01	15.92	15.80	6.06E-01	7.75E-01	9.81E-01	9.76E-01	9.42E-01	5.60E-01	8.69E-01
131.00972	289.51	14.79	16.16	16.50	16.34	1.56E-06	4.35E-04	4.60E-06	8.29E-05	7.58E-01	9.60E-01	9.67E-01
131.02384	20.98	15.78	16.47	16.56	16.68	4.44E-10	4.73E-06	1.80E-07	4.29E-09	9.33E-01	4.68E-01	8.15E-01
131.02499	210.13	14.14	6.96	6.97	7.10	1.48E-62	5.11E-15	5.11E-15	5.11E-15	1.00E+00	9.82E-01	9.86E-01
131.03514	21.12	20.39	20.55	20.42	20.68	2.02E-03	2.22E-01	9.90E-01	2.54E-03	3.89E-01	3.57E-01	8.45E-03
131.03568	293.44	22.79	20.93	21.05	21.18	2.09E-15	4.77E-13	7.77E-12	8.76E-10	9.53E-01	7.29E-01	9.51E-01
131.04431	286.59	19.23	18.48	18.71	18.09	4.21E-33	4.17E-14	2.61E-10	5.11E-15	1.64E-02	1.25E-05	1.28E-12
131.04542	25.33	21.60	21.14	21.21	21.23	2.03E-08	8.95E-08	4.59E-06	3.15E-05	8.43E-01	7.28E-01	9.95E-01
131.05415	157.52	16.63	15.86	16.06	16.24	1.57E-04	8.01E-05	5.80E-03	1.24E-01	6.66E-01	1.67E-01	7.64E-01
131.06135	285.63	17.11	16.05	15.84	16.15	1.58E-13	2.36E-09	8.78E-13	1.58E-07	6.03E-01	9.32E-01	2.70E-01
131.06566	24.67	15.94	15.28	15.28	15.55	5.02E-04	1.52E-03	1.17E-03	1.31E-01	1.00E+00	5.09E-01	4.80E-01
131.07116	282.22	20.88	18.99	18.97	19.69	8.11E-22	4.32E-14	4.26E-14	4.68E-08	1.00E+00	3.83E-03	2.59E-03
131.0826	36.12	18.71	18.57	18.42	18.76	4.21E-01	9.24E-01	5.24E-01	9.95E-01	8.93E-01	8.44E-01	4.27E-01
131.09055	234.15	17.88	17.64	17.27	17.17	7.48E-05	4.54E-01	1.25E-03	2.14E-04	1.26E-01	3.73E-02	9.39E-01
131.96088	56.63	17.02	16.94	17.77	17.52	1.50E-36	5.12E-01	5.11E-15	1.87E-13	5.11E-15	4.37E-14	3.47E-04
131.98321	26.5	16.31	15.26	15.81	15.29	1.63E-06	8.32E-06	8.30E-02	2.86E-05	5.57E-02	9.99E-01	9.22E-02
132.01255	24.24	15.29	12.87	13.97	15.36	4.37E-05	1.88E-04	9.18E-02	9.99E-01	2.37E-01	2.81E-04	9.21E-02
132.02012	289.26	18.79	17.68	17.71	17.44	9.70E-36	7.77E-15	9.77E-15	5.11E-15	9.96E-01	6.01E-02	3.27E-02
132.02032	19.65	15.75	13.88	13.95	14.28	1.52E-45	5.11E-15	5.11E-15	5.33E-15	9.44E-01	6.12E-03	2.94E-02
132.03026	18.67	25.40	25.80	25.96	25.70	2.21E-06	8.39E-04	7.37E-07	2.66E-02	4.27E-01	7.95E-01	7.81E-02
132.03898	198.29	16.69	13.63	12.12	12.62	6.31E-20	1.98E-09	4.24E-14	6.05E-14	9.63E-03	1.75E-01	7.37E-01
132.03942	291.98	18.26	14.50	15.12	14.64	6.07E-36	5.11E-15	1.29E-14	5.11E-15	1.15E-01	9.60E-01	3.32E-01
132.05658	283.36	22.69	21.15	21.42	21.56	1.04E-30	5.11E-15	2.91E-14	4.42E-14	1.01E-01	5.59E-03	6.82E-01
132.06644	188.74	16.12	15.11	15.26	15.54	4.29E-12	1.65E-11	5.54E-09	2.85E-04	7.23E-01	1.62E-02	1.92E-01
132.0746	187.48	16.18	15.46	15.24	16.13	9.20E-15	2.32E-07	7.04E-12	9.82E-01	3.04E-01	5.79E-06	6.44E-10
132.08591	73.87	13.54	13.51	13.89	14.66	1.86E-03	1.00E+00	6.62E-01	3.12E-03	6.24E-01	3.18E-03	9.00E-02
132.86769	195.45	17.98	17.64	17.82	17.53	5.22E-02	1.81E-01	7.60E-01	4.72E-02	7.29E-01	9.26E-01	3.63E-01
132.90008	136.49	15.71	14.02	14.12	14.37	1.53E-21	4.20E-14	4.42E-14	3.48E-12	9.30E-01	2.10E-01	5.17E-01
132.94646	22.64	20.12	21.17	21.09	21.12	2.29E-33	5.11E-15	7.99E-15	8.66E-15	7.59E-01	9.37E-01	9.82E-01
132.96173	57.51	15.31	14.75	15.67	15.60	1.76E-16	8.53E-07	2.09E-03	3.29E-02	4.44E-14	1.30E-12	8.85E-01
133.01419	19.15	26.08	27.05	27.07	27.05	3.95E-28	3.13E-14	2.31E-14	3.93E-14	9.98E-01	1.00E+00	9.98E-01
133.03337	22.31	20.41	20.77	20.81	20.57	5.82E-04	4.39E-03	1.02E-03	4.55E-01	9.83E-01	2.80E-01	1.36E-01
133.04054	281.55	19.11	17.74	17.86	18.01	2.13E-27	1.15E-14	3.35E-14	4.37E-14	7.59E-01	1.32E-01	6.02E-01
133.05183	282.04	23.04	21.67	21.81	21.55	3.07E-27	3.55E-14	4.20E-14	1.89E-14	7.33E-01	7.95E-01	2.19E-01
133.05993	257.88	19.01	16.82	16.95	16.96	1.03E-49	5.11E-15	5.11E-15	5.11E-15	7.28E-01	7.18E-01	1.00E+00
133.07706	211.61	15.34	11.61	11.20	12.03	3.96E-56	5.11E-15	5.11E-15	5.11E-15	2.22E-01	2.10E-01	9.16E-04
133.98032	32.75	13.74	13.65	13.90	13.49	7.38E-01	9.94E-01	9.67E-01	9.06E-01	8.97E-01	9.75E-01	6.88E-01
133.99946	292.19	15.45	16.23	16.46	14.62	3.31E-05	1.83E-01	4.32E-02	1.59E-01	9.37E-01	5.98E-04	5.08E-05
133.99959	210.56	13.59	6.95	7.04	7.24	6.60E-30	1.27E-14	1.38E-14	3.31E-14	9.99E-01	9.63E-01	9.88E-01
134.02466	185.67	15.53	14.63	14.51	15.33	3.66E-12	6.88E-08	5.18E-10	5.69E-01	8.50E-01	1.14E-04	2.82E-06
134.03566	25.81	19.73	18.93	18.87	18.64	4.15E-10	6.74E-06	8.18E-07	1.21E-09	9.81E-01	3.04E-01	5.09E-01
134.03583	290.45	22.64	21.61	21.62	21.51	2.22E-20	5.15E-14	5.02E-14	4.36E-14	1.00E+00	8.29E-01	7.92E-01
134.04712	243.12	20.08	21.19	21.17	20.96	1.88E-11	1.07E-09	1.45E-09	3.36E-06	9.99E-01	5.45E-01	6.07E-01
134.05512	290.22	17.97	16.44	16.39	16.50	2.51E-28	2.69E-14	1.60E-14	4.13E-14	9.91E-01	9.76E-01	8.94E-01

134.05959	289.52	20.13	18.44	18.77	18.42	3.15E-50	5.11E-15	5.11E-15	5.11E-15	4.59E-03	9.99E-01	3.86E-03
134.06096	20.68	14.29	17.25	12.17	13.17	1.39E-78	5.11E-15	5.33E-15	3.60E-09	5.11E-15	5.11E-15	2.83E-07
134.07224	258.23	20.55	18.15	18.36	18.25	5.82E-85	5.11E-15	5.11E-15	5.11E-15	8.12E-02	7.01E-01	5.99E-01
134.07355	20.03	16.86	18.20	17.16	17.18	3.13E-12	2.17E-12	3.03E-01	2.70E-01	8.47E-08	4.33E-07	9.99E-01
134.8654	185.77	16.57	15.98	15.65	15.56	1.13E-04	6.35E-02	6.54E-04	2.49E-04	5.19E-01	3.28E-01	9.82E-01
134.89452	169.33	20.43	19.15	19.20	19.51	6.47E-07	3.64E-06	7.89E-06	2.08E-03	9.97E-01	5.31E-01	6.52E-01
134.8946	243.68	17.46	17.49	17.93	18.39	8.41E-03	9.99E-01	3.66E-01	1.11E-02	4.69E-01	2.08E-02	4.30E-01
134.94337	16.91	18.50	19.47	19.45	19.47	3.35E-29	1.87E-14	2.24E-14	2.84E-14	9.96E-01	1.00E+00	9.99E-01
134.97296	173.12	16.11	15.90	15.83	16.30	2.12E-05	1.42E-01	2.07E-02	2.18E-01	8.88E-01	6.99E-04	3.37E-05
135.0189	21.67	19.22	19.91	20.07	19.97	4.05E-20	1.00E-12	4.33E-14	1.23E-13	2.79E-01	9.36E-01	6.53E-01
135.01976	289.85	17.95	14.43	14.47	14.70	4.77E-35	5.11E-15	5.11E-15	1.04E-14	9.99E-01	7.84E-01	8.50E-01
135.03057	22.25	25.05	24.78	24.90	25.18	1.18E-02	1.13E-01	6.01E-01	7.12E-01	7.50E-01	9.47E-03	1.21E-01
135.03917	291.5	17.25	16.15	16.25	16.19	1.21E-12	2.09E-10	5.17E-09	2.24E-09	9.28E-01	9.96E-01	9.83E-01
135.03928	80.14	16.27	14.70	14.89	15.09	4.67E-25	2.04E-14	4.51E-14	1.34E-13	5.43E-01	4.38E-02	5.25E-01
135.04497	267.55	20.22	19.77	19.80	19.85	6.46E-04	1.50E-03	3.13E-03	1.67E-02	9.95E-01	9.28E-01	9.80E-01
135.04961	151.71	15.04	15.34	15.83	15.66	3.76E-01	9.21E-01	3.48E-01	5.91E-01	7.54E-01	9.25E-01	9.87E-01
135.05622	275.05	18.08	16.96	17.08	16.85	1.78E-25	4.24E-14	4.29E-14	3.15E-14	7.09E-01	8.17E-01	2.21E-01
135.06748	257.83	19.40	17.10	17.33	17.04	7.95E-55	5.11E-15	5.11E-15	5.11E-15	2.66E-01	9.76E-01	1.28E-01
135.08147	108.52	14.80	13.74	13.94	13.97	8.38E-04	8.88E-04	1.07E-02	1.95E-02	8.82E-01	8.55E-01	1.00E+00
135.89465	131.23	17.10	15.04	15.34	15.71	6.78E-26	1.04E-14	4.11E-14	3.25E-12	3.28E-01	1.83E-03	1.81E-01
135.94494	291.24	15.81	16.56	16.48	16.28	9.93E-03	1.07E-02	2.91E-02	2.24E-01	9.84E-01	6.90E-01	8.71E-01
135.97087	96.83	15.39	14.31	14.31	14.62	5.26E-17	7.34E-14	5.93E-14	1.16E-07	1.00E+00	9.99E-02	8.90E-02
136.00733	19.12	12.54	14.34	13.71	15.11	1.33E-04	7.68E-03	1.49E-01	6.54E-05	6.86E-01	5.57E-01	7.97E-02
136.01504	290.3	17.41	17.40	17.53	17.08	6.65E-03	1.00E+00	7.91E-01	4.53E-02	7.50E-01	6.97E-02	3.69E-03
136.01518	94.72	16.31	14.53	14.72	15.20	2.43E-42	5.11E-15	5.11E-15	4.33E-14	3.31E-01	9.99E-08	1.76E-04
136.02827	25.17	17.59	15.80	15.84	16.60	9.05E-23	4.13E-14	4.30E-14	6.56E-07	9.96E-01	1.40E-04	2.95E-04
136.03407	21.36	20.44	19.88	20.05	20.37	7.18E-06	2.62E-05	5.29E-03	9.46E-01	5.23E-01	6.64E-04	4.52E-02
136.04027	258.63	17.64	17.29	17.31	17.68	1.96E-04	7.87E-03	1.26E-02	9.81E-01	9.98E-01	3.97E-03	6.38E-03
136.04836	216.81	17.46	17.72	17.60	17.56	3.02E-01	2.22E-01	7.40E-01	8.87E-01	8.08E-01	6.81E-01	9.94E-01
136.05163	218.89	22.30	19.36	19.50	19.42	2.73E-45	5.11E-15	5.11E-15	5.11E-15	8.83E-01	9.88E-01	9.80E-01
136.05178	26.99	22.65	22.40	22.31	22.05	1.00E-03	3.01E-01	7.99E-02	3.18E-04	9.27E-01	9.14E-02	2.94E-01
136.05963	208.74	15.09	9.06	9.07	9.59	6.99E-20	4.39E-14	4.31E-14	4.98E-13	1.00E+00	8.78E-01	8.82E-01
136.07092	211.29	14.02	9.16	9.39	8.69	3.50E-17	1.02E-12	6.40E-12	7.39E-14	9.83E-01	8.86E-01	6.94E-01
136.0713	21.85	15.03	16.06	14.92	15.56	4.50E-05	4.07E-04	9.75E-01	1.73E-01	1.09E-04	2.54E-01	7.87E-02
136.86297	188.75	15.35	15.39	15.07	15.15	4.32E-01	9.98E-01	5.76E-01	8.11E-01	4.96E-01	7.36E-01	9.86E-01
136.86315	17.95	16.85	16.57	16.41	16.78	9.68E-02	4.63E-01	9.28E-02	9.83E-01	8.36E-01	7.34E-01	2.52E-01
136.89154	136.83	19.28	17.20	17.77	17.64	4.47E-23	2.60E-14	2.27E-13	6.54E-14	1.76E-02	1.12E-01	9.26E-01
136.91768	25.02	16.44	16.02	16.02	16.54	9.99E-07	1.24E-03	1.32E-03	8.00E-01	1.00E+00	8.06E-05	8.48E-05
136.92265	94.31	15.50	14.93	15.11	15.27	2.98E-07	1.11E-07	4.67E-04	9.74E-02	2.65E-01	6.52E-03	4.20E-01
136.96431	290.95	16.59	18.95	18.99	18.49	1.91E-34	5.11E-15	5.11E-15	4.26E-14	9.98E-01	7.64E-02	4.54E-02
136.96452	18.97	16.65	20.80	20.69	19.81	5.56E-43	5.11E-15	5.11E-15	1.09E-14	9.78E-01	2.57E-03	8.56E-03
137.01033	293.15	12.80	16.46	16.40	15.13	1.01E-18	4.27E-14	4.26E-14	3.54E-07	9.99E-01	1.20E-02	1.63E-02
137.02424	292.43	21.08	22.14	21.64	20.81	2.69E-12	1.86E-08	6.43E-03	3.98E-01	2.36E-02	1.89E-11	3.33E-05
137.03546	288.17	18.97	18.96	19.15	18.38	2.40E-05	1.00E+00	6.47E-01	9.74E-04	6.01E-01	2.08E-03	1.32E-05
137.0436	137.18	15.02	13.62	14.19	14.48	4.02E-13	1.02E-13	7.25E-06	1.15E-02	6.04E-03	1.29E-05	3.36E-01

137.04668	290.89	17.93	16.61	16.96	16.73	6.43E-22	4.14E-14	3.89E-12	4.27E-14	4.32E-02	8.40E-01	3.05E-01
137.04681	80.55	16.88	14.62	14.70	15.25	1.57E-39	5.11E-15	5.11E-15	4.06E-14	9.51E-01	5.59E-04	3.30E-03
137.0549	90.26	16.12	14.05	14.08	14.53	4.28E-42	5.11E-15	5.11E-15	1.35E-14	9.93E-01	4.64E-03	1.02E-02
137.06059	180.97	16.25	15.54	15.80	15.84	4.94E-06	1.17E-06	3.86E-03	1.39E-02	2.19E-01	1.45E-01	9.93E-01
137.07196	246.28	17.46	16.25	16.29	15.42	1.19E-16	1.17E-07	2.27E-07	4.22E-14	9.98E-01	1.09E-03	4.98E-04
137.09705	136.12	15.07	13.58	13.53	13.88	1.34E-22	4.29E-14	4.19E-14	4.46E-12	9.90E-01	2.42E-01	1.29E-01
137.98645	291.09	16.80	16.48	16.34	16.85	1.58E-04	5.56E-02	1.79E-03	9.83E-01	7.17E-01	3.05E-02	9.69E-04
138.01949	292.54	17.29	17.05	16.98	17.34	1.57E-03	9.18E-02	1.53E-02	9.74E-01	9.23E-01	4.45E-02	6.83E-03
138.02758	291.35	16.32	16.51	16.49	15.03	1.51E-07	8.75E-01	9.10E-01	2.14E-05	1.00E+00	1.39E-06	1.73E-06
138.0276	180.8	16.27	15.59	15.56	15.87	2.21E-07	4.34E-06	1.02E-06	1.88E-02	9.95E-01	2.01E-01	1.19E-01
138.03068	292.58	18.88	18.01	18.22	17.90	2.16E-15	7.17E-12	2.14E-07	1.22E-13	2.55E-01	8.07E-01	3.68E-02
138.03889	107.78	15.46	13.80	13.55	14.00	4.03E-24	4.33E-14	2.62E-14	1.98E-13	5.14E-01	6.77E-01	6.68E-02
138.0559	276.74	17.25	16.89	16.75	17.53	3.45E-05	1.26E-01	1.21E-02	3.65E-01	8.35E-01	1.72E-03	5.89E-05
138.0671	288.56	19.93	18.23	18.57	18.40	2.77E-46	5.11E-15	5.11E-15	5.11E-15	4.94E-03	3.41E-01	3.82E-01
138.06722	27.28	17.41	16.58	16.05	16.39	4.89E-20	7.92E-09	4.09E-14	4.77E-12	6.57E-04	5.01E-01	7.59E-02
138.12878	64.41	14.82	15.90	13.54	13.95	7.32E-86	5.11E-15	5.11E-15	1.35E-14	5.11E-15	5.11E-15	1.30E-06
138.91476	27.45	14.04	14.71	14.86	15.13	2.60E-02	2.51E-01	1.06E-01	1.96E-02	9.79E-01	6.96E-01	8.92E-01
138.97048	291.04	16.60	16.77	16.79	16.91	3.33E-01	7.13E-01	6.50E-01	2.62E-01	1.00E+00	8.66E-01	8.99E-01
138.98007	129.12	15.60	16.19	16.34	17.27	3.94E-16	3.91E-03	1.15E-04	4.53E-14	8.20E-01	4.75E-08	2.65E-06
138.98018	27	17.34	18.08	18.16	18.23	1.63E-11	2.39E-07	5.37E-09	1.05E-09	9.19E-01	6.78E-01	9.58E-01
139.00349	290.18	16.13	16.74	16.55	16.79	4.22E-04	1.70E-03	5.25E-02	9.22E-04	6.87E-01	9.94E-01	5.43E-01
139.00358	134.46	16.91	17.02	17.25	17.30	1.20E-01	9.24E-01	2.37E-01	1.57E-01	6.15E-01	4.71E-01	9.93E-01
139.01471	291.28	16.29	16.81	16.58	16.73	3.09E-03	2.55E-03	1.84E-01	2.09E-02	4.22E-01	9.47E-01	7.84E-01
139.01485	200.74	16.03	14.47	13.20	14.45	1.75E-08	2.29E-03	1.87E-09	2.54E-03	2.22E-02	1.00E+00	3.23E-02
139.01499	63.79	17.71	17.16	14.19	15.22	6.15E-48	3.19E-02	5.11E-15	7.33E-15	5.11E-15	4.35E-14	1.10E-05
139.02621	19.48	12.33	7.23	7.13	7.99	3.32E-19	4.50E-14	4.29E-14	2.67E-11	9.98E-01	6.01E-01	4.81E-01
139.03993	292.07	17.02	16.87	16.79	17.11	1.24E-02	3.85E-01	9.50E-02	8.56E-01	8.97E-01	1.05E-01	1.65E-02
139.05113	278.13	18.02	17.23	17.40	17.39	3.83E-11	1.21E-10	3.68E-07	7.33E-07	4.47E-01	5.11E-01	1.00E+00
139.0625	88.6	15.42	13.81	14.02	14.40	1.30E-23	2.69E-14	4.36E-14	5.38E-10	4.67E-01	1.01E-03	7.46E-02
139.07061	213.45	15.89	10.25	10.45	9.51	2.74E-19	1.09E-13	3.06E-13	4.31E-14	9.91E-01	7.33E-01	5.48E-01
139.07635	178.19	16.61	16.38	16.41	16.59	1.86E-01	2.90E-01	4.15E-01	1.00E+00	9.95E-01	3.95E-01	5.30E-01
139.11271	178.61	16.39	15.71	15.56	15.93	4.33E-10	4.87E-07	5.36E-10	1.66E-03	6.42E-01	3.35E-01	2.49E-02
139.98463	23.99	17.30	16.45	16.82	17.05	1.30E-07	3.97E-08	4.65E-03	3.31E-01	4.49E-02	3.69E-04	4.12E-01
139.99875	291.82	15.18	16.37	16.36	16.91	2.03E-10	7.16E-06	7.32E-06	1.45E-10	1.00E+00	1.52E-01	1.32E-01
139.99882	131.72	14.46	13.77	13.71	14.57	1.64E-09	4.80E-05	7.62E-06	9.03E-01	9.84E-01	7.01E-06	1.09E-06
140.01186	27.52	22.45	24.24	24.36	23.78	5.83E-52	5.11E-15	5.11E-15	5.33E-15	6.47E-01	1.61E-04	7.64E-07
140.02528	289.88	16.80	16.08	16.43	16.67	1.93E-01	1.63E-01	7.06E-01	9.85E-01	7.53E-01	3.64E-01	9.07E-01
140.03515	290.96	17.18	17.13	17.05	17.24	3.17E-01	9.62E-01	5.51E-01	9.37E-01	8.52E-01	7.32E-01	2.64E-01
140.04635	287.63	18.04	17.45	17.66	17.44	4.66E-08	5.14E-07	2.67E-03	7.60E-07	1.96E-01	1.00E+00	1.92E-01
140.07162	190.6	15.90	15.14	14.83	15.72	2.36E-11	1.25E-05	2.18E-10	6.72E-01	1.94E-01	2.93E-03	6.47E-07
140.9071	117.42	13.37	15.05	15.14	15.04	3.65E-31	1.51E-14	6.00E-15	2.51E-14	9.23E-01	1.00E+00	8.96E-01
140.9805	34.53	14.97	15.49	15.83	16.06	3.11E-16	1.08E-04	4.55E-11	4.51E-14	3.40E-02	6.11E-05	2.37E-01
140.98596	163.84	16.39	16.38	16.23	16.27	5.68E-01	1.00E+00	6.26E-01	8.36E-01	6.80E-01	8.69E-01	9.89E-01
140.99399	292.42	12.30	16.32	16.30	16.13	6.83E-33	5.77E-15	5.77E-15	1.51E-14	1.00E+00	9.45E-01	9.58E-01
141.01674	292.21	20.98	20.75	20.69	20.92	8.73E-02	2.84E-01	1.05E-01	9.72E-01	9.66E-01	5.86E-01	3.10E-01

141.01686	46.67	20.69	19.57	20.13	19.89	2.52E-05	9.63E-06	6.26E-02	3.91E-03	7.94E-02	5.45E-01	7.48E-01
141.01916	287.58	18.11	16.88	17.18	17.50	3.62E-08	2.29E-08	2.53E-05	1.78E-02	4.76E-01	1.89E-02	4.03E-01
141.03035	290.91	16.91	17.27	17.21	17.23	1.74E-02	2.49E-02	6.96E-02	6.34E-02	9.78E-01	9.93E-01	9.99E-01
141.0458	211.7	14.88	9.37	9.53	9.31	1.31E-13	1.53E-10	3.35E-10	2.63E-10	9.97E-01	1.00E+00	9.93E-01
141.0491	125.61	14.93	14.53	15.97	14.89	2.79E-17	3.88E-02	1.64E-10	9.95E-01	4.31E-14	9.80E-02	3.68E-10
141.05555	288.88	17.32	17.06	17.15	17.25	1.27E-01	1.00E-01	4.28E-01	9.08E-01	8.62E-01	4.21E-01	8.64E-01
141.06677	287.19	16.74	16.27	16.42	16.53	2.18E-03	9.72E-04	5.03E-02	3.48E-01	6.04E-01	1.87E-01	8.44E-01
141.06687	207.18	17.82	15.47	15.25	15.70	6.25E-45	5.11E-15	5.11E-15	5.11E-15	4.99E-01	4.95E-01	2.91E-02
141.09193	282.44	17.22	16.93	16.93	17.06	2.92E-02	4.52E-02	4.45E-02	4.70E-01	1.00E+00	7.02E-01	7.07E-01
141.90783	113.15	13.34	14.90	14.97	14.93	3.04E-35	5.33E-15	5.11E-15	5.77E-15	9.55E-01	9.96E-01	9.93E-01
142.01207	30.07	20.80	20.58	20.99	20.52	5.21E-03	4.04E-01	5.15E-01	1.97E-01	2.34E-02	9.69E-01	7.20E-03
142.01443	291.92	14.96	16.52	16.02	15.61	7.36E-05	2.96E-05	8.65E-03	2.30E-01	4.49E-01	5.05E-02	6.53E-01
142.01451	111.02	15.47	14.51	14.59	15.07	1.86E-08	1.61E-07	1.30E-06	8.68E-02	9.68E-01	9.47E-03	3.27E-02
142.01547	18.3	14.96	16.10	16.26	15.58	7.85E-23	4.16E-14	3.46E-14	9.61E-06	5.90E-01	4.24E-04	1.64E-06
142.02012	203.91	18.15	17.35	17.36	17.55	1.89E-11	8.82E-10	1.20E-09	1.00E-05	9.99E-01	3.86E-01	4.44E-01
142.0202	40.63	15.95	13.17	13.52	13.72	4.30E-07	1.41E-06	2.76E-05	2.69E-04	9.09E-01	7.42E-01	9.83E-01
142.02262	121.94	14.55	13.55	13.56	13.83	1.66E-09	3.59E-08	3.71E-08	2.19E-04	1.00E+00	3.54E-01	3.80E-01
142.02616	18.45	14.25	11.51	10.96	12.41	1.90E-28	3.86E-14	5.33E-15	4.14E-10	1.75E-01	6.97E-03	1.81E-06
142.0409	287.27	19.60	18.04	18.35	18.35	5.36E-29	5.33E-15	4.22E-14	4.26E-14	7.54E-02	8.17E-02	1.00E+00
142.05077	283.29	19.97	19.38	19.43	19.54	1.48E-07	5.77E-07	5.60E-06	6.40E-04	9.57E-01	5.00E-01	7.95E-01
142.0605	19.16	14.62	14.22	14.26	13.93	4.19E-07	2.65E-03	9.19E-03	7.03E-08	9.79E-01	7.95E-02	2.77E-02
142.06625	25.97	17.15	16.16	16.46	16.55	2.03E-20	3.53E-14	1.11E-11	9.89E-09	8.18E-03	4.96E-04	8.04E-01
142.06939	122.83	14.41	12.96	13.48	13.38	9.75E-07	3.99E-07	1.90E-03	7.45E-04	2.13E-01	4.33E-01	9.82E-01
142.08733	102.38	15.25	13.78	13.87	14.01	5.85E-18	4.67E-14	1.07E-13	4.26E-11	9.48E-01	5.78E-01	8.74E-01
142.90527	91.66	13.51	16.70	16.80	16.46	2.56E-47	5.11E-15	5.11E-15	5.11E-15	9.57E-01	6.42E-01	3.36E-01
142.94922	150.3	15.99	14.71	14.92	15.35	2.19E-14	1.48E-13	2.63E-10	4.82E-04	5.50E-01	7.49E-04	4.40E-02
142.97468	37.43	23.57	21.96	23.55	23.38	8.74E-27	1.67E-14	9.99E-01	5.33E-01	2.60E-14	4.15E-14	6.35E-01
142.97505	228.94	18.79	20.66	20.55	20.18	7.87E-15	5.67E-13	6.66E-12	1.43E-07	9.65E-01	2.23E-01	4.54E-01
142.99607	152.64	15.95	15.87	15.27	16.10	7.92E-03	9.88E-01	3.00E-02	9.30E-01	8.39E-02	8.07E-01	7.84E-03
142.99613	54.66	18.13	18.31	18.86	19.32	3.40E-13	6.53E-01	1.18E-05	2.99E-12	2.17E-03	6.21E-09	2.03E-02
142.99862	22.7	23.33	23.14	23.09	23.42	6.10E-03	2.32E-01	8.91E-02	8.19E-01	9.74E-01	4.27E-02	1.22E-02
143.0155	36.21	14.83	14.29	14.46	14.61	6.31E-02	4.25E-02	2.64E-01	7.16E-01	8.43E-01	4.49E-01	9.00E-01
143.02107	186.41	15.65	15.41	15.50	15.47	8.49E-01	8.26E-01	9.52E-01	9.20E-01	9.88E-01	9.97E-01	9.99E-01
143.03504	26.82	21.39	21.59	21.21	21.24	7.68E-03	3.26E-01	3.95E-01	5.78E-01	8.65E-03	2.43E-02	9.95E-01
143.03535	265.84	19.42	18.68	18.35	18.47	1.49E-13	1.05E-06	1.03E-12	8.22E-10	9.07E-02	4.75E-01	8.37E-01
143.04568	194.81	17.27	15.38	15.09	15.91	2.90E-23	4.26E-14	2.86E-14	1.59E-09	5.04E-01	6.05E-02	7.44E-04
143.04887	216.86	15.61	6.51	8.15	8.95	9.28E-27	7.33E-15	4.11E-14	5.40E-14	1.48E-01	1.30E-02	7.41E-01
143.05422	165.64	16.66	16.14	16.60	16.37	3.30E-04	3.99E-04	9.62E-01	1.31E-01	3.08E-03	3.15E-01	3.34E-01
143.06144	211.82	16.04	12.78	13.35	13.53	1.52E-27	6.66E-15	4.31E-14	4.33E-14	1.58E-01	4.38E-02	9.26E-01
143.0712	262.82	19.96	19.42	19.25	19.70	6.50E-04	1.62E-02	4.99E-04	4.97E-01	7.77E-01	4.58E-01	7.82E-02
143.1076	264.9	19.08	21.43	21.42	20.48	3.63E-49	5.11E-15	5.11E-15	4.13E-14	1.00E+00	1.04E-09	1.07E-09
143.97851	63.77	18.18	16.16	17.59	17.57	8.72E-35	5.11E-15	6.89E-05	7.41E-05	3.91E-14	4.33E-14	9.99E-01
143.99136	140.88	15.21	14.19	13.83	14.07	2.28E-05	3.55E-03	2.46E-05	1.10E-03	6.34E-01	9.78E-01	8.75E-01
144.00205	25.27	18.59	18.28	18.31	18.68	5.69E-04	2.70E-02	5.54E-02	8.34E-01	9.92E-01	3.26E-03	7.48E-03
144.01234	157.64	15.72	15.40	15.45	15.76	7.55E-02	1.98E-01	3.51E-01	9.96E-01	9.87E-01	1.57E-01	2.83E-01

144.02015	291.78	17.45	16.47	16.42	16.53	4.68E-15	1.72E-11	1.30E-12	5.98E-10	9.86E-01	9.78E-01	8.79E-01
144.03027	290.87	16.60	16.83	16.61	17.15	1.50E-03	3.97E-01	1.00E+00	2.25E-03	4.57E-01	1.88E-01	3.62E-03
144.03037	20.39	16.53	16.87	16.69	16.58	1.06E-04	7.25E-05	1.46E-01	9.08E-01	9.81E-02	2.32E-03	5.25E-01
144.04023	290.5	16.38	16.20	16.26	16.63	1.71E-01	7.79E-01	9.22E-01	5.97E-01	9.89E-01	1.53E-01	2.66E-01
144.04025	189.02	17.77	16.80	16.72	17.11	2.37E-10	3.62E-08	1.43E-09	4.50E-04	9.55E-01	2.66E-01	9.22E-02
144.0454	241.16	19.57	19.60	19.37	19.85	2.32E-01	9.98E-01	8.08E-01	5.81E-01	7.30E-01	7.02E-01	1.58E-01
144.05659	264.57	21.46	19.22	19.44	19.70	1.68E-41	5.11E-15	5.11E-15	7.33E-15	4.51E-01	9.96E-03	3.09E-01
144.06642	282.84	18.81	18.08	17.94	18.31	8.36E-06	2.97E-04	8.02E-06	3.17E-02	8.66E-01	6.06E-01	1.91E-01
144.07457	182.82	17.33	16.78	16.82	17.43	2.64E-10	5.46E-06	2.02E-05	8.10E-01	9.88E-01	2.87E-07	1.09E-06
144.10291	190.48	17.59	20.19	20.02	19.20	3.30E-44	5.11E-15	5.11E-15	4.13E-14	7.20E-01	5.17E-08	6.54E-06
144.11094	217.01	16.12	16.48	16.53	16.25	9.49E-03	4.16E-02	1.43E-02	7.79E-01	9.87E-01	3.81E-01	2.13E-01
144.90443	121.16	16.04	18.47	19.35	18.41	3.90E-47	5.11E-15	5.11E-15	5.11E-15	1.75E-05	9.90E-01	7.36E-06
144.95442	50.23	22.40	19.83	23.07	22.87	3.74E-115	5.11E-15	4.36E-14	1.52E-08	5.11E-15	5.11E-15	5.56E-02
144.96746	24.35	15.07	14.23	14.42	14.58	8.88E-04	5.88E-04	1.09E-02	1.12E-01	8.32E-01	4.04E-01	8.79E-01
144.97557	86.85	18.00	17.18	15.28	15.93	1.33E-18	2.63E-02	4.32E-14	1.59E-10	2.97E-09	2.71E-04	1.37E-01
144.98193	38.55	16.10	15.00	14.99	14.99	6.26E-06	1.19E-04	9.09E-05	1.61E-04	1.00E+00	1.00E+00	1.00E+00
144.9909	161.67	14.87	13.97	12.93	14.03	7.82E-06	6.89E-02	1.18E-06	1.12E-01	2.81E-02	9.99E-01	2.28E-02
145.00293	37.37	16.68	16.91	17.25	17.38	2.31E-17	1.38E-02	6.58E-12	4.40E-14	1.20E-04	2.06E-07	4.26E-01
145.01442	20	20.35	22.01	21.75	22.03	2.18E-25	3.75E-14	4.34E-14	3.75E-14	3.92E-01	9.98E-01	3.19E-01
145.01528	289.98	16.69	16.34	15.89	15.64	8.19E-03	6.98E-01	5.71E-02	8.44E-03	5.02E-01	1.61E-01	8.81E-01
145.02395	116.69	15.59	14.58	15.05	14.63	4.50E-09	3.33E-08	6.78E-03	3.41E-07	3.05E-02	9.92E-01	7.69E-02
145.02516	290.72	12.51	15.41	14.67	16.49	3.80E-16	5.20E-10	3.69E-06	4.44E-14	3.27E-01	8.02E-02	3.70E-04
145.02934	184.76	14.99	14.03	13.97	14.40	9.74E-11	1.03E-08	1.12E-09	1.14E-03	9.87E-01	1.06E-01	4.59E-02
145.03997	290.32	16.23	15.31	15.30	15.60	2.60E-04	8.96E-04	6.49E-04	5.09E-02	1.00E+00	6.68E-01	6.33E-01
145.0407	191.79	16.81	14.30	14.13	14.53	1.31E-34	5.33E-15	5.11E-15	2.42E-14	8.31E-01	7.04E-01	2.25E-01
145.05131	291.26	24.47	22.44	22.62	21.96	5.02E-36	7.33E-15	2.51E-14	5.11E-15	7.27E-01	3.53E-02	1.26E-03
145.0619	25.97	24.53	24.76	24.78	24.76	7.89E-04	6.48E-03	1.89E-03	8.22E-03	9.89E-01	1.00E+00	9.90E-01
145.06982	152.67	17.12	16.31	16.61	16.53	1.86E-06	7.84E-07	3.83E-03	8.17E-04	1.90E-01	4.97E-01	9.50E-01
145.07715	214.31	14.57	8.12	8.94	8.72	1.78E-21	4.33E-14	4.93E-14	4.76E-14	6.05E-01	8.16E-01	9.89E-01
145.08684	262.12	18.13	17.41	17.44	17.51	1.03E-05	5.54E-05	1.25E-04	1.08E-03	9.96E-01	9.30E-01	9.80E-01
145.09816	53.44	20.94	20.82	22.38	22.27	3.61E-13	9.53E-01	1.99E-08	7.35E-07	3.16E-09	1.25E-07	9.65E-01
145.10621	192.03	12.16	14.87	14.80	14.17	7.41E-11	2.34E-09	4.06E-09	2.40E-05	9.99E-01	3.72E-01	4.54E-01
145.94957	133.4	15.67	15.38	15.32	14.61	2.98E-15	6.13E-02	1.18E-02	4.26E-14	9.47E-01	4.57E-09	6.11E-08
145.95785	74.65	15.78	15.20	16.10	15.96	1.83E-19	1.66E-09	1.80E-03	1.88E-01	4.35E-14	1.46E-13	4.42E-01
145.97063	142.91	15.09	12.83	12.90	13.03	8.52E-11	7.63E-09	1.58E-08	2.86E-07	9.98E-01	9.57E-01	9.87E-01
145.99201	21.21	15.82	15.33	15.20	16.10	7.81E-02	5.57E-01	3.38E-01	8.81E-01	9.86E-01	2.06E-01	9.79E-02
145.99904	29.67	16.08	14.60	14.98	14.88	6.44E-14	3.19E-13	3.09E-08	5.70E-09	1.91E-01	4.83E-01	9.56E-01
146.01784	19.4	15.46	16.79	16.64	16.99	3.17E-13	1.02E-09	4.63E-08	9.45E-12	8.83E-01	7.83E-01	3.44E-01
146.02464	282.26	16.97	16.69	16.75	16.97	3.78E-04	3.24E-03	2.91E-02	1.00E+00	8.92E-01	4.59E-03	3.50E-02
146.02832	22.01	15.99	17.18	16.66	17.45	1.94E-08	5.39E-06	2.12E-02	3.91E-08	1.45E-01	7.00E-01	9.18E-03
146.0358	291.13	20.47	18.99	19.05	18.93	1.67E-36	5.11E-15	5.33E-15	5.11E-15	9.46E-01	9.57E-01	7.19E-01
146.03601	22.72	17.05	14.97	15.11	15.27	6.73E-54	5.11E-15	5.11E-15	5.11E-15	6.05E-01	6.03E-02	5.44E-01
146.04593	20.99	25.67	26.76	26.60	26.39	1.67E-26	7.99E-15	4.20E-14	4.84E-12	3.18E-01	7.44E-04	1.12E-01
146.05513	287.1	20.09	18.08	18.40	18.14	3.87E-48	5.11E-15	5.11E-15	5.11E-15	4.18E-02	9.72E-01	1.40E-01
146.05889	25.04	16.28	15.88	15.90	16.19	3.09E-05	3.91E-04	5.50E-04	8.14E-01	9.99E-01	1.62E-02	2.14E-02

146.06519	23.98	20.04	20.16	20.16	20.21	1.08E-01	2.93E-01	3.23E-01	9.19E-02	1.00E+00	9.30E-01	9.04E-01
146.07228	262.02	21.21	18.67	18.91	18.67	7.10E-74	5.11E-15	5.11E-15	5.11E-15	1.33E-01	1.00E+00	1.37E-01
146.08228	24.84	21.12	20.43	20.93	21.00	1.82E-14	6.46E-14	8.77E-02	4.97E-01	4.46E-08	1.24E-09	8.27E-01
146.09027	139.82	15.19	13.58	13.66	14.37	4.75E-19	4.35E-14	4.43E-14	4.59E-05	9.72E-01	1.69E-04	7.87E-04
146.09525	62.46	21.55	21.53	23.51	23.15	3.31E-22	1.00E+00	4.26E-14	5.54E-11	4.26E-14	1.07E-10	3.80E-01
146.10152	73.72	15.91	16.46	17.33	17.64	1.17E-16	2.98E-02	3.26E-11	5.11E-14	1.20E-04	1.88E-07	4.16E-01
146.45366	271.99	15.96	14.68	15.56	15.85	3.63E-05	3.82E-05	4.62E-01	9.81E-01	1.13E-02	4.78E-04	7.42E-01
146.90465	108.95	13.12	15.16	15.20	14.95	6.53E-34	5.33E-15	5.11E-15	2.53E-14	9.94E-01	6.25E-01	4.64E-01
146.94654	33.24	15.94	16.07	16.09	16.54	9.40E-08	5.54E-01	3.92E-01	4.12E-08	9.95E-01	3.90E-05	9.18E-05
146.95257	60.48	18.16	17.20	18.85	18.59	1.64E-27	1.70E-11	8.51E-07	6.95E-03	5.33E-15	4.12E-14	2.11E-01
146.96112	125.47	18.12	18.23	18.46	16.96	3.40E-07	9.66E-01	5.27E-01	9.94E-05	8.24E-01	2.47E-05	3.76E-07
146.96588	169.52	16.70	14.65	14.29	14.92	2.26E-17	2.60E-12	4.35E-14	2.87E-09	5.58E-01	7.67E-01	1.12E-01
146.9829	198.61	16.23	17.44	17.41	18.19	1.12E-25	1.03E-12	1.55E-12	5.77E-15	9.99E-01	3.45E-05	1.59E-05
146.98307	24.76	20.88	20.89	21.18	20.80	2.83E-01	1.00E+00	4.27E-01	9.83E-01	4.92E-01	9.76E-01	2.77E-01
146.98894	83.43	13.73	13.74	13.52	14.27	3.83E-03	1.00E+00	7.06E-01	3.88E-02	6.82E-01	5.63E-02	1.85E-03
146.99523	20.44	16.62	15.95	15.79	15.65	1.54E-06	1.75E-03	4.70E-05	4.01E-06	8.31E-01	4.37E-01	9.02E-01
147.02003	205	16.45	14.82	14.54	15.32	1.66E-21	4.44E-14	3.85E-14	5.14E-08	4.53E-01	4.68E-02	3.68E-04
147.02092	124.03	15.88	13.89	13.70	13.93	2.37E-18	2.95E-13	4.35E-14	2.53E-12	8.70E-01	9.99E-01	8.02E-01
147.03055	292.28	20.10	19.05	19.20	19.40	1.22E-13	6.72E-13	5.35E-10	3.54E-06	6.52E-01	5.96E-02	4.96E-01
147.03934	255.7	18.60	18.72	18.75	18.18	1.39E-04	7.88E-01	6.38E-01	9.72E-03	9.95E-01	5.95E-04	2.09E-04
147.04483	181.01	17.32	18.19	16.68	16.94	5.73E-18	2.70E-07	2.47E-04	7.31E-02	4.43E-14	2.14E-12	4.01E-01
147.04926	17.44	21.39	22.38	22.14	21.93	1.53E-25	7.33E-15	4.22E-14	3.10E-09	2.93E-02	4.21E-06	7.42E-02
147.05626	285.19	17.07	15.92	16.13	16.20	1.53E-11	5.78E-11	6.04E-08	1.50E-06	5.83E-01	3.56E-01	9.75E-01
147.06632	24.54	16.00	16.58	16.66	16.88	1.00E-03	4.70E-02	1.53E-02	7.05E-04	9.84E-01	5.47E-01	7.59E-01
147.06745	279.74	22.45	20.52	20.60	20.90	9.04E-40	5.11E-15	5.11E-15	1.22E-14	9.32E-01	2.92E-02	1.19E-01
147.07652	133.55	12.23	14.16	13.71	13.51	9.41E-10	7.79E-10	2.42E-06	1.11E-04	4.14E-01	1.42E-01	9.12E-01
147.08569	23.85	16.36	15.75	15.96	16.11	1.95E-06	5.71E-07	2.02E-03	1.17E-01	2.36E-01	1.32E-02	6.00E-01
147.09858	63.2	16.89	16.97	18.99	18.70	2.08E-28	9.77E-01	3.24E-14	4.29E-14	4.19E-14	9.53E-14	4.88E-01
147.98641	28.63	14.60	14.63	14.80	14.88	7.13E-01	1.00E+00	8.80E-01	7.47E-01	9.26E-01	8.15E-01	9.92E-01
148.01512	295.29	16.40	16.71	16.69	15.78	1.20E-04	4.60E-01	5.11E-01	2.45E-02	1.00E+00	2.63E-04	3.27E-04
148.01572	18.85	14.31	11.27	11.15	11.89	5.80E-26	3.46E-14	2.22E-14	1.09E-13	9.75E-01	1.75E-01	6.73E-02
148.04028	197.22	17.07	15.87	16.16	16.11	4.29E-11	9.97E-11	8.82E-07	6.49E-07	3.32E-01	5.06E-01	9.95E-01
148.04369	167.01	16.45	16.84	17.14	17.38	9.43E-06	1.48E-01	9.80E-04	7.22E-06	3.65E-01	2.52E-02	5.79E-01
148.04383	27.97	21.22	20.35	20.72	20.72	2.54E-15	4.37E-14	1.21E-06	4.04E-06	1.05E-03	1.32E-03	1.00E+00
148.05173	26.18	21.22	20.43	20.17	20.06	1.67E-24	4.26E-12	4.30E-14	3.13E-14	7.29E-02	5.33E-03	7.53E-01
148.06136	287.52	25.25	23.68	22.95	24.54	1.78E-21	3.39E-11	3.42E-14	7.63E-03	6.14E-03	1.24E-03	1.70E-10
148.0708	291.11	17.59	16.62	16.73	16.92	9.87E-13	9.06E-12	1.02E-09	5.03E-06	8.31E-01	1.31E-01	5.17E-01
148.0879	228.88	17.42	13.67	14.01	13.75	3.87E-23	4.53E-14	4.15E-14	4.52E-14	8.21E-01	9.97E-01	9.18E-01
148.09782	56.06	14.41	11.82	14.01	14.09	1.29E-21	4.06E-14	3.79E-01	5.98E-01	4.88E-14	5.17E-14	9.91E-01
148.14918	130.14	14.02	12.65	12.77	13.18	1.67E-12	2.17E-11	6.24E-10	9.37E-05	9.25E-01	3.88E-02	1.56E-01
148.98009	26.14	19.21	19.12	19.42	18.98	2.01E-01	9.76E-01	6.93E-01	6.87E-01	4.57E-01	9.05E-01	1.50E-01
148.99103	169.17	13.93	14.82	15.04	15.30	1.98E-06	3.65E-03	1.19E-04	2.54E-06	8.34E-01	2.78E-01	7.56E-01
149.0094	229.56	17.66	18.20	18.32	18.30	1.49E-07	1.04E-04	1.26E-06	6.15E-06	8.04E-01	8.85E-01	9.99E-01
149.00941	291.51	16.53	16.56	16.86	16.66	5.30E-02	9.96E-01	5.06E-02	7.40E-01	1.02E-01	8.62E-01	4.70E-01
149.01018	18.98	15.38	15.74	15.17	15.89	8.71E-03	3.90E-01	7.59E-01	1.19E-01	6.14E-02	9.10E-01	1.11E-02

149.02424	290.53	16.73	16.70	16.50	16.67	5.02E-01	9.96E-01	4.70E-01	9.81E-01	6.34E-01	9.98E-01	7.52E-01
149.02429	171.01	17.46	17.23	17.46	17.50	1.61E-01	2.67E-01	1.00E+00	9.91E-01	2.76E-01	1.85E-01	9.93E-01
149.03543	290.58	17.21	16.70	16.73	16.65	8.79E-06	2.27E-04	3.89E-04	5.14E-05	9.98E-01	9.70E-01	9.26E-01
149.0457	22	18.50	19.36	18.98	19.33	6.01E-05	1.43E-04	7.08E-02	4.37E-04	2.55E-01	9.98E-01	3.60E-01
149.04671	277.36	20.89	19.29	19.65	19.35	8.25E-26	2.51E-14	4.87E-14	4.06E-14	6.97E-02	9.81E-01	1.87E-01
149.05521	25.64	24.29	24.10	24.02	23.76	1.51E-02	6.30E-01	3.00E-01	6.70E-03	9.52E-01	1.73E-01	4.08E-01
149.05936	172.36	16.04	14.20	14.01	14.80	6.72E-09	6.05E-07	2.30E-08	2.00E-03	9.43E-01	3.31E-01	1.12E-01
149.06054	283.65	16.85	16.70	16.36	16.58	5.21E-04	5.82E-01	2.05E-04	1.11E-01	2.43E-02	7.55E-01	2.83E-01
149.06469	282.13	20.89	19.81	19.77	20.19	2.70E-04	1.14E-03	5.41E-04	8.08E-02	9.99E-01	5.92E-01	4.89E-01
149.08314	286.58	16.98	16.80	16.70	16.45	2.94E-01	9.02E-01	7.11E-01	2.22E-01	9.84E-01	6.15E-01	8.17E-01
149.09712	92.25	15.14	13.64	14.12	14.46	1.45E-21	2.66E-14	5.34E-12	1.14E-05	3.48E-03	1.98E-07	8.17E-02
149.99594	293.42	16.14	16.74	16.70	15.76	6.82E-04	9.71E-02	1.34E-01	4.69E-01	9.99E-01	2.14E-03	3.33E-03
150.00896	217.97	15.14	15.41	15.45	15.36	7.74E-01	8.34E-01	7.70E-01	9.11E-01	1.00E+00	9.99E-01	9.94E-01
150.01956	131.91	14.99	13.95	13.99	14.14	7.01E-12	3.89E-10	1.20E-09	8.30E-07	9.94E-01	6.16E-01	7.61E-01
150.03069	289.85	19.82	19.18	19.50	18.68	3.19E-18	2.87E-07	2.47E-02	4.22E-14	3.00E-02	1.60E-04	1.54E-10
150.03966	27.2	16.00	15.52	15.38	15.52	2.80E-04	8.93E-03	2.35E-04	1.03E-02	7.80E-01	1.00E+00	8.11E-01
150.04214	179.71	14.67	13.85	13.41	14.07	1.96E-05	6.34E-03	5.32E-06	9.50E-02	3.35E-01	8.27E-01	6.17E-02
150.04216	23.51	16.97	16.50	17.03	16.84	3.36E-02	6.47E-02	9.88E-01	9.20E-01	3.23E-02	3.07E-01	7.87E-01
150.05022	213.58	14.67	10.23	11.23	10.41	2.91E-08	2.58E-07	8.23E-05	1.61E-06	5.96E-01	9.96E-01	7.50E-01
150.05592	178.58	17.94	17.30	17.34	17.67	6.08E-10	1.15E-08	7.07E-08	4.73E-02	9.80E-01	4.39E-03	1.35E-02
150.05939	20.04	16.43	16.69	16.61	16.35	1.23E-01	3.28E-01	6.20E-01	9.51E-01	9.62E-01	1.48E-01	3.41E-01
150.06688	246.82	21.46	19.13	19.41	19.03	7.52E-56	5.11E-15	5.11E-15	5.11E-15	1.28E-01	8.62E-01	1.96E-02
150.54211	64.64	14.30	15.42	12.75	13.30	1.81E-88	5.11E-15	5.11E-15	6.00E-15	5.11E-15	5.11E-15	1.54E-09
150.88675	25.3	16.87	15.79	15.48	16.39	4.81E-09	1.24E-05	8.51E-09	1.54E-01	5.25E-01	5.26E-02	6.82E-04
150.94697	103.17	14.82	14.42	14.62	15.07	8.81E-06	6.11E-03	3.50E-01	1.86E-01	3.65E-01	4.60E-06	2.71E-03
150.96234	131.52	16.85	16.26	15.78	16.56	1.94E-09	1.74E-03	6.19E-10	2.90E-01	1.59E-02	3.00E-01	2.81E-05
150.98674	155.94	13.60	14.38	14.72	15.27	3.20E-06	4.95E-02	1.35E-03	1.12E-06	6.98E-01	3.00E-02	3.05E-01
151.00712	18.32	13.82	11.80	11.92	14.51	5.29E-28	6.27E-14	2.91E-13	2.77E-02	9.63E-01	3.22E-14	4.06E-14
151.01473	291.64	15.42	16.18	16.23	15.22	1.76E-04	2.26E-02	1.27E-02	8.84E-01	9.98E-01	3.83E-03	1.99E-03
151.02619	26.34	24.84	24.18	24.25	24.87	2.44E-04	4.40E-03	1.38E-02	9.99E-01	9.82E-01	5.03E-03	1.48E-02
151.03423	206.74	13.78	8.11	7.93	8.34	1.66E-16	1.26E-12	2.09E-13	2.70E-11	9.95E-01	9.91E-01	9.51E-01
151.03992	265.48	17.32	17.17	17.26	17.47	8.67E-02	5.48E-01	9.50E-01	5.50E-01	8.64E-01	5.63E-02	2.74E-01
151.04313	138.48	15.30	15.23	15.35	15.24	7.95E-01	9.49E-01	9.77E-01	9.78E-01	7.91E-01	9.99E-01	8.65E-01
151.05113	289.94	17.76	17.02	16.92	17.16	3.60E-15	2.62E-11	9.26E-14	1.57E-07	7.94E-01	5.44E-01	1.16E-01
151.06199	22.07	21.13	21.76	21.64	21.27	3.71E-05	1.25E-04	2.39E-03	7.91E-01	8.62E-01	8.05E-03	6.58E-02
151.06236	291.1	17.59	16.93	16.98	16.92	9.35E-10	7.89E-08	6.82E-07	1.18E-07	9.67E-01	1.00E+00	9.53E-01
151.07062	225.93	17.91	15.32	15.20	14.09	7.19E-35	4.13E-14	3.11E-14	5.11E-15	9.64E-01	3.11E-05	1.89E-04
151.07633	199.49	16.57	15.50	15.70	15.86	1.16E-16	4.27E-14	1.44E-11	1.05E-07	3.44E-01	2.15E-02	5.67E-01
151.11273	148.25	15.33	13.81	13.48	13.95	3.07E-25	4.31E-14	1.20E-14	8.73E-14	1.84E-01	8.41E-01	2.78E-02
152.00221	288.59	16.82	17.05	17.35	17.14	4.87E-02	6.41E-01	2.61E-02	3.66E-01	3.86E-01	9.67E-01	7.00E-01
152.00235	17.57	21.74	24.00	23.45	23.43	1.46E-25	9.10E-15	4.37E-14	5.00E-14	2.74E-02	2.42E-02	9.99E-01
152.00998	292.54	14.84	16.38	16.29	15.04	3.16E-07	2.01E-05	5.87E-05	9.33E-01	9.92E-01	6.32E-04	1.55E-03
152.02325	24.09	18.35	16.91	17.03	17.90	4.00E-17	7.01E-14	1.54E-12	5.22E-02	8.94E-01	6.14E-07	1.31E-05
152.02952	20.13	20.49	19.48	19.64	20.31	4.72E-09	1.54E-07	9.36E-06	7.48E-01	8.20E-01	6.43E-05	1.60E-03
152.03515	288.11	16.80	16.50	16.39	16.61	1.14E-01	3.20E-01	8.41E-02	7.17E-01	9.22E-01	9.33E-01	6.16E-01

152.03521	174.66	17.80	17.56	17.81	18.18	3.53E-07	6.59E-02	1.00E+00	1.27E-03	5.71E-02	4.76E-08	2.39E-03
152.04342	135.22	14.88	13.84	13.32	13.88	7.69E-17	8.27E-09	4.34E-14	8.55E-08	1.25E-02	9.93E-01	6.76E-03
152.0464	290.3	19.64	18.82	19.24	18.61	6.25E-10	1.20E-06	4.87E-02	2.03E-09	3.36E-02	5.56E-01	5.12E-04
152.07158	140.33	15.52	14.26	14.73	14.86	1.22E-09	1.70E-10	9.15E-05	2.52E-03	5.07E-02	9.01E-03	9.01E-01
152.88378	25.37	16.63	15.71	15.10	16.23	5.33E-07	4.84E-03	2.83E-07	4.97E-01	1.30E-01	2.62E-01	5.41E-04
152.9391	179.37	15.18	14.75	14.75	14.51	3.08E-04	2.49E-02	2.32E-02	1.33E-04	1.00E+00	4.31E-01	4.22E-01
152.97805	144.62	19.91	20.93	20.63	20.90	3.05E-05	8.73E-05	1.00E-02	2.50E-04	5.73E-01	9.99E-01	6.81E-01
152.97811	33.57	19.92	21.68	21.67	21.37	9.54E-22	4.26E-14	4.52E-14	1.68E-12	1.00E+00	3.81E-01	3.85E-01
152.98283	133.54	15.29	15.56	15.71	15.55	6.71E-04	3.83E-02	2.36E-04	6.81E-02	4.81E-01	9.99E-01	4.11E-01
152.99572	172.43	16.30	15.70	15.76	15.74	6.42E-17	8.37E-14	3.48E-12	5.00E-12	8.69E-01	9.48E-01	9.97E-01
152.99594	16.97	21.41	21.32	21.46	21.21	5.78E-02	8.06E-01	9.46E-01	1.47E-01	4.92E-01	6.14E-01	4.71E-02
153.00181	19.61	14.17	15.71	15.16	15.27	3.35E-08	1.29E-08	3.90E-04	1.33E-04	1.33E-01	3.21E-01	9.79E-01
153.00575	20.67	18.17	18.98	18.51	18.57	5.99E-04	1.52E-04	2.75E-01	1.63E-01	6.91E-02	1.73E-01	9.87E-01
153.01942	20.89	17.32	17.23	17.30	17.36	9.14E-01	9.55E-01	9.99E-01	9.96E-01	9.84E-01	8.96E-01	9.84E-01
153.03036	289.6	17.33	17.37	17.27	17.10	3.09E-01	9.94E-01	9.77E-01	3.94E-01	9.16E-01	2.87E-01	6.53E-01
153.04173	99.86	15.64	13.90	14.04	14.51	8.48E-30	5.33E-15	1.22E-14	7.42E-13	7.66E-01	2.62E-04	7.25E-03
153.04991	208.33	14.34	9.86	10.62	9.10	2.01E-10	1.06E-07	1.10E-05	1.29E-09	7.64E-01	7.86E-01	2.34E-01
153.05556	288.11	16.74	16.53	16.70	16.66	4.80E-01	4.29E-01	9.91E-01	9.46E-01	6.28E-01	8.03E-01	9.94E-01
153.05565	183.87	17.69	17.50	17.59	17.95	1.28E-05	1.37E-01	6.82E-01	1.43E-02	7.26E-01	6.89E-06	4.45E-04
153.05901	27.83	16.28	15.79	15.63	15.53	2.88E-06	5.10E-03	6.45E-05	6.57E-06	7.03E-01	3.30E-01	9.14E-01
153.06695	208.85	17.83	15.46	15.23	15.73	2.54E-41	5.11E-15	5.11E-15	6.22E-15	5.27E-01	4.30E-01	2.44E-02
153.07821	209.37	14.82	8.42	7.22	7.36	6.92E-27	4.40E-14	2.02E-14	3.57E-14	3.09E-01	4.49E-01	9.97E-01
153.09195	289.94	17.07	16.72	16.78	16.86	7.39E-03	6.89E-03	2.83E-02	2.20E-01	9.63E-01	6.14E-01	8.72E-01
153.12839	130.27	14.93	14.25	14.36	14.51	8.96E-07	9.72E-07	6.08E-05	8.46E-03	7.94E-01	1.86E-01	6.69E-01
153.98146	50.23	14.82	15.51	15.19	15.41	9.47E-04	8.50E-04	1.71E-01	8.92E-03	2.82E-01	9.43E-01	6.41E-01
153.9983	20.31	16.31	18.82	18.05	18.31	5.42E-23	2.46E-14	2.12E-12	5.23E-14	5.05E-03	1.38E-01	6.90E-01
154.00663	19.67	13.25	15.71	14.83	15.09	4.34E-11	2.53E-11	2.01E-05	1.32E-06	5.39E-02	3.00E-01	8.84E-01
154.01219	29.11	16.28	15.76	16.25	15.55	1.68E-06	3.59E-03	9.96E-01	2.47E-05	9.03E-03	5.57E-01	8.87E-05
154.01442	291.57	15.98	16.33	16.23	16.56	1.89E-02	2.00E-01	4.79E-01	9.30E-03	9.48E-01	6.20E-01	2.99E-01
154.01446	172.05	16.19	15.49	15.47	16.16	2.31E-14	2.75E-09	8.11E-10	9.87E-01	9.99E-01	1.00E-07	3.57E-08
154.01807	22.23	14.39	15.53	15.20	15.01	1.88E-05	7.29E-06	2.30E-03	4.22E-02	4.97E-01	1.41E-01	8.56E-01
154.02567	294.58	16.25	16.82	16.78	16.42	8.91E-05	3.96E-04	1.17E-03	6.34E-01	9.89E-01	3.82E-02	7.85E-02
154.02575	103.91	16.04	14.07	14.17	14.93	1.52E-32	5.11E-15	5.33E-15	4.83E-11	8.99E-01	9.87E-07	1.93E-05
154.03837	64.88	15.49	16.50	14.55	14.83	3.68E-76	5.11E-15	5.11E-15	4.29E-14	5.11E-15	5.11E-15	7.53E-04
154.04093	291.26	17.14	16.34	16.63	16.50	2.49E-02	1.93E-02	2.38E-01	1.01E-01	7.23E-01	9.49E-01	9.65E-01
154.05088	173.46	17.27	17.05	17.23	17.55	2.17E-04	1.55E-01	9.86E-01	4.61E-02	3.10E-01	5.36E-05	2.16E-02
154.05768	24.54	20.61	20.47	20.40	20.08	1.23E-02	8.09E-01	5.22E-01	5.89E-03	9.69E-01	8.45E-02	2.08E-01
154.06226	29.25	22.86	22.88	22.83	22.66	1.90E-01	9.99E-01	9.90E-01	2.38E-01	9.70E-01	2.00E-01	4.05E-01
154.08725	194.23	16.04	15.22	15.02	15.85	6.59E-10	7.80E-06	1.22E-08	6.75E-01	6.29E-01	2.04E-03	1.57E-05
154.88084	24.99	14.68	12.76	11.75	13.87	1.44E-14	5.29E-07	6.31E-14	1.06E-01	2.61E-02	1.45E-02	1.27E-07
154.91545	94.1	15.44	15.90	15.74	15.54	6.83E-06	7.14E-06	5.71E-03	6.93E-01	3.43E-01	1.72E-03	1.65E-01
154.91861	129.13	15.22	15.11	15.18	15.44	7.62E-03	6.29E-01	9.76E-01	9.67E-02	8.66E-01	4.55E-03	4.09E-02
154.92832	24.68	20.82	21.13	21.08	21.45	6.58E-07	1.77E-02	6.00E-02	8.40E-08	9.68E-01	1.97E-02	4.45E-03
154.94725	286.67	16.67	16.52	16.58	17.04	3.19E-02	8.24E-01	9.51E-01	1.83E-01	9.88E-01	2.94E-02	6.47E-02
154.97505	117.15	17.62	18.75	18.11	19.05	2.93E-07	8.19E-05	2.15E-01	6.99E-07	6.69E-02	6.81E-01	2.76E-03

154.9961	153.64	16.55	16.54	16.42	17.29	7.72E-09	1.00E+00	7.56E-01	1.50E-06	7.98E-01	2.41E-06	2.06E-08
154.99618	51.04	18.02	18.70	19.19	19.20	1.66E-28	8.11E-10	9.33E-15	1.47E-14	1.15E-05	1.68E-05	1.00E+00
155.00159	271.23	18.98	18.57	18.75	19.47	1.24E-03	2.34E-01	6.90E-01	1.44E-01	8.60E-01	8.00E-04	1.02E-02
155.00966	290.65	17.27	16.77	16.91	17.49	1.65E-06	1.55E-03	4.09E-02	3.84E-01	7.28E-01	5.32E-06	3.53E-04
155.00975	137.46	16.89	15.64	15.89	16.36	5.22E-18	4.29E-14	4.87E-12	6.70E-04	2.38E-01	3.45E-06	5.12E-03
155.00994	20.16	17.38	16.66	17.01	17.34	1.16E-07	3.68E-07	2.41E-02	9.92E-01	3.52E-02	5.70E-06	7.42E-02
155.03605	289.88	20.14	16.86	17.73	16.86	2.57E-28	1.04E-14	4.93E-14	1.64E-14	1.32E-02	1.00E+00	1.81E-02
155.04606	292.51	17.01	17.00	16.92	17.11	5.98E-01	1.00E+00	8.81E-01	8.99E-01	9.23E-01	8.71E-01	5.12E-01
155.04613	175.38	18.04	15.47	16.05	16.47	8.60E-19	4.24E-14	2.32E-12	8.88E-08	1.24E-01	1.70E-03	4.10E-01
155.05445	20.87	18.35	18.58	17.75	17.93	8.43E-03	8.06E-01	9.44E-02	3.92E-01	1.02E-02	8.22E-02	9.13E-01
155.05898	27.62	14.66	14.52	14.90	15.10	7.48E-02	9.20E-01	7.01E-01	2.31E-01	3.40E-01	7.07E-02	8.35E-01
155.0654	48.74	17.32	17.70	17.74	17.80	1.15E-04	4.79E-03	1.21E-03	3.02E-04	9.85E-01	8.47E-01	9.63E-01
155.07121	274.47	17.89	17.61	17.74	17.87	9.09E-02	9.80E-02	5.87E-01	9.99E-01	7.26E-01	1.70E-01	7.14E-01
155.08242	290.14	15.57	16.67	16.64	16.89	1.27E-09	1.20E-06	2.00E-06	1.09E-08	9.99E-01	7.40E-01	6.45E-01
155.08255	195.73	16.20	15.49	15.41	15.44	3.48E-07	4.52E-05	3.74E-06	1.99E-05	9.61E-01	9.91E-01	9.98E-01
155.10757	282.82	18.39	16.85	16.96	16.98	2.10E-21	4.40E-14	4.22E-14	5.02E-14	9.06E-01	8.79E-01	1.00E+00
155.94683	132.48	15.45	14.78	14.65	15.10	4.21E-06	2.14E-04	5.99E-06	1.44E-01	8.74E-01	2.25E-01	4.06E-02
155.99141	92.33	14.57	13.30	13.94	14.31	9.74E-09	4.93E-09	7.77E-03	5.78E-01	9.72E-03	1.42E-05	2.74E-01
156.00499	291.63	15.35	16.28	16.22	15.84	8.32E-04	1.58E-03	2.99E-03	2.29E-01	9.97E-01	3.54E-01	4.64E-01
156.02783	34.47	20.06	19.32	20.02	19.50	8.53E-08	2.27E-06	9.89E-01	8.21E-04	1.57E-05	6.28E-01	3.21E-03
156.03035	290.83	16.81	16.84	16.98	17.36	8.68E-05	9.92E-01	4.75E-01	9.89E-05	6.77E-01	4.78E-04	1.83E-02
156.04085	290.08	15.40	14.98	15.83	15.79	3.25E-03	3.34E-01	2.87E-01	4.07E-01	4.77E-03	1.13E-02	9.99E-01
156.04144	89.84	16.35	14.73	14.95	15.08	2.10E-29	5.77E-15	3.02E-14	4.25E-14	3.56E-01	5.96E-02	7.85E-01
156.05354	27.96	15.22	15.35	15.10	14.74	5.75E-02	9.25E-01	9.41E-01	1.45E-01	6.51E-01	4.06E-02	4.06E-01
156.05666	255.16	20.69	18.01	18.29	18.82	3.47E-58	5.11E-15	5.11E-15	5.11E-15	1.29E-01	4.27E-08	6.37E-04
156.05673	75.34	17.31	15.21	15.69	15.80	7.07E-43	5.11E-15	5.11E-15	7.55E-15	1.11E-03	6.30E-05	8.31E-01
156.06643	290.71	17.99	17.42	17.21	17.58	3.15E-07	2.11E-04	1.17E-07	1.84E-02	4.22E-01	6.73E-01	4.51E-02
156.07646	115.02	14.54	13.82	13.97	13.16	2.98E-06	1.79E-02	8.45E-02	4.72E-07	9.35E-01	4.84E-02	8.52E-03
156.10287	172.9	15.11	14.46	14.44	14.56	3.23E-06	4.18E-05	1.70E-05	1.12E-03	9.99E-01	9.05E-01	8.38E-01
156.13955	18.87	15.73	17.25	14.84	15.09	5.56E-79	5.11E-15	3.24E-14	9.87E-12	5.11E-15	5.11E-15	2.02E-02
156.89481	116.45	18.10	15.61	15.53	16.48	6.27E-39	5.11E-15	5.11E-15	4.29E-14	9.68E-01	2.21E-05	2.31E-06
156.92541	24.3	19.06	19.28	19.34	19.66	2.19E-06	1.59E-01	3.95E-02	3.37E-07	9.47E-01	3.29E-03	1.68E-02
156.95452	61.9	14.99	13.53	15.06	15.14	8.67E-10	1.96E-07	9.92E-01	9.39E-01	8.35E-08	4.99E-08	9.91E-01
156.9675	27.65	14.72	14.75	14.66	15.42	4.23E-03	9.99E-01	9.92E-01	1.22E-02	9.79E-01	2.20E-02	6.19E-03
156.9907	251.87	19.30	20.08	20.04	19.34	1.19E-05	4.71E-04	1.08E-03	9.98E-01	9.95E-01	1.97E-03	4.11E-03
156.99081	53.53	19.58	16.75	17.80	17.92	6.12E-19	3.93E-14	2.37E-09	7.08E-08	1.12E-03	4.08E-04	9.80E-01
157.01189	42.48	23.84	24.70	25.15	24.85	3.50E-33	4.37E-14	5.11E-15	3.49E-14	2.20E-05	4.41E-01	1.09E-02
157.02528	291.75	15.78	16.94	16.72	16.87	2.61E-09	3.25E-08	8.22E-06	4.70E-07	6.69E-01	9.85E-01	8.76E-01
157.03393	18.46	15.73	15.90	14.88	15.57	2.02E-02	9.58E-01	5.59E-02	9.67E-01	1.75E-02	7.88E-01	2.09E-01
157.03675	24.01	20.33	20.60	20.13	20.29	1.22E-06	5.40E-03	6.16E-02	9.69E-01	2.21E-07	2.17E-03	2.18E-01
157.05175	269.31	23.08	21.35	21.40	21.33	8.74E-30	1.62E-14	2.13E-14	2.04E-14	9.92E-01	9.99E-01	9.74E-01
157.0608	288.53	15.62	14.31	15.33	15.38	2.43E-02	1.84E-02	9.11E-01	9.52E-01	1.14E-01	1.06E-01	1.00E+00
157.06129	199.24	17.30	15.97	15.82	16.37	3.76E-24	4.37E-14	2.46E-14	7.88E-10	6.96E-01	2.78E-02	7.53E-04
157.0699	113.94	16.08	14.47	14.72	14.58	4.00E-18	4.33E-14	5.68E-12	2.98E-13	5.45E-01	9.48E-01	8.78E-01
157.08687	246.31	20.88	19.84	20.36	20.26	7.97E-05	1.84E-05	7.72E-02	2.92E-02	9.10E-02	2.65E-01	9.70E-01

157.12326	257.24	21.00	21.60	20.96	20.44	1.88E-08	1.95E-03	9.96E-01	7.81E-03	1.15E-03	1.98E-09	1.82E-02
157.94246	137.28	15.64	14.79	14.44	15.33	1.14E-21	1.65E-11	3.73E-14	4.28E-02	1.58E-02	8.20E-05	1.63E-11
157.98606	44.76	18.25	16.97	17.49	16.99	5.78E-07	3.02E-06	1.10E-02	8.63E-06	1.75E-01	1.00E+00	2.29E-01
158.00625	45.88	15.45	16.29	16.77	16.28	1.96E-15	1.82E-07	4.37E-14	4.75E-07	7.55E-03	1.00E+00	8.50E-03
158.01517	39.23	18.85	19.76	20.16	19.88	2.86E-30	4.25E-14	5.11E-15	4.20E-14	4.34E-04	6.42E-01	3.25E-02
158.03581	288.3	18.77	17.67	17.80	17.72	1.28E-28	1.15E-14	3.93E-14	3.15E-14	5.21E-01	9.63E-01	8.30E-01
158.03617	90.43	16.88	14.93	15.55	15.80	7.27E-54	5.11E-15	5.11E-15	1.53E-14	1.05E-09	4.26E-14	5.07E-02
158.04028	25.13	15.38	15.26	14.64	14.73	2.16E-02	9.73E-01	4.39E-02	1.12E-01	1.44E-01	2.83E-01	9.92E-01
158.04598	18.33	17.17	16.51	16.47	16.77	3.56E-04	1.65E-03	6.23E-04	1.28E-01	9.96E-01	5.28E-01	3.90E-01
158.04699	293.16	20.73	18.35	18.61	18.34	5.90E-61	5.11E-15	5.11E-15	5.11E-15	1.32E-01	1.00E+00	1.27E-01
158.05516	290.03	18.75	17.06	17.03	17.14	6.49E-52	5.11E-15	5.11E-15	5.11E-15	9.89E-01	8.43E-01	6.67E-01
158.06105	224.38	18.63	19.15	19.31	18.54	3.19E-06	8.61E-03	2.08E-04	9.50E-01	7.70E-01	2.62E-03	5.89E-05
158.07225	267.67	19.49	17.32	17.50	17.40	8.70E-62	5.11E-15	5.11E-15	5.11E-15	3.18E-01	8.67E-01	8.07E-01
158.08207	287.53	19.27	18.47	18.37	18.95	2.01E-06	1.02E-04	7.86E-06	3.33E-01	9.53E-01	5.93E-02	1.34E-02
158.12661	215.02	17.80	17.06	16.84	17.26	2.48E-11	3.08E-07	1.47E-11	4.47E-04	3.37E-01	4.82E-01	1.24E-02
158.89308	109.43	16.83	14.70	14.41	15.86	2.72E-32	1.33E-14	5.11E-15	3.94E-06	4.01E-01	5.43E-08	6.72E-12
158.89312	30.71	17.36	14.51	14.08	16.29	6.60E-75	5.11E-15	5.11E-15	1.54E-13	5.83E-03	5.11E-15	5.11E-15
158.9701	61.14	18.60	16.00	19.26	19.39	4.15E-68	5.11E-15	1.65E-05	5.88E-07	5.11E-15	5.11E-15	8.30E-01
158.97847	130.77	14.54	17.04	18.00	16.06	3.94E-19	3.55E-11	4.09E-14	1.41E-04	3.49E-02	3.70E-02	1.12E-06
158.98882	202.78	16.19	16.22	16.13	16.15	9.62E-01	9.98E-01	9.87E-01	9.98E-01	9.57E-01	9.85E-01	9.99E-01
158.98898	55.75	16.12	12.09	13.07	12.77	1.94E-13	1.15E-12	4.89E-08	6.95E-09	2.45E-01	5.94E-01	9.44E-01
159.01608	38.81	16.25	16.94	17.34	17.04	2.45E-20	1.40E-09	3.82E-14	1.83E-11	1.11E-03	8.11E-01	2.82E-02
159.03095	293.38	18.46	16.79	17.31	15.36	2.14E-15	4.84E-06	2.75E-03	4.13E-14	4.15E-01	3.00E-04	2.70E-07
159.04092	290.96	16.48	16.88	16.60	17.80	7.76E-10	1.73E-01	9.26E-01	1.39E-09	4.95E-01	5.86E-05	6.76E-08
159.04105	110.08	15.43	14.15	14.25	15.02	9.30E-22	4.43E-14	4.29E-14	1.30E-02	8.86E-01	1.14E-08	3.61E-07
159.06726	289.83	22.22	19.89	20.32	19.96	5.42E-21	4.30E-14	6.81E-13	4.35E-14	3.00E-01	9.94E-01	4.73E-01
159.07728	140.58	16.48	14.71	14.21	14.99	1.85E-25	4.44E-14	7.55E-15	4.85E-12	5.17E-02	5.22E-01	7.60E-04
159.08552	165.91	18.05	17.26	17.44	17.56	7.51E-06	4.51E-06	6.24E-04	1.31E-02	6.50E-01	2.53E-01	8.85E-01
159.10253	249.83	19.83	18.39	18.50	18.68	3.46E-13	1.44E-11	2.66E-10	1.62E-07	9.48E-01	4.81E-01	7.99E-01
159.11387	82.92	15.13	14.86	15.08	15.57	3.87E-02	6.56E-01	9.97E-01	2.49E-01	7.89E-01	2.11E-02	1.84E-01
159.89378	151.71	14.05	15.20	14.58	16.96	9.19E-17	1.16E-03	3.03E-01	4.35E-14	1.88E-01	5.79E-07	8.15E-12
159.89386	43.44	18.01	15.85	15.60	17.28	8.50E-61	5.11E-15	5.11E-15	2.42E-08	1.53E-01	1.07E-14	5.11E-15
159.93807	129.35	15.36	14.39	14.05	15.07	2.44E-17	2.05E-09	4.35E-14	2.18E-01	1.02E-01	1.18E-04	1.51E-09
159.98447	28.15	15.48	14.26	14.74	15.60	9.37E-03	2.69E-02	3.11E-01	9.93E-01	7.00E-01	1.92E-02	2.30E-01
160.02192	37.97	15.92	16.45	16.89	16.34	3.60E-11	2.47E-04	2.89E-12	8.81E-03	4.80E-03	8.27E-01	2.68E-04
160.02532	17.42	12.85	14.17	13.66	15.05	4.34E-04	4.39E-02	3.61E-01	1.64E-04	7.51E-01	3.47E-01	4.28E-02
160.04027	162.34	16.43	15.56	15.90	16.00	5.32E-09	6.92E-10	2.88E-04	6.61E-03	4.66E-02	7.78E-03	8.95E-01
160.04391	20.98	14.49	14.77	14.95	12.71	1.96E-04	9.47E-01	8.08E-01	5.03E-03	9.87E-01	1.11E-03	2.82E-04
160.05152	270.75	20.08	17.81	17.87	18.06	2.04E-43	5.11E-15	5.11E-15	5.11E-15	9.80E-01	3.95E-01	6.22E-01
160.06264	293.13	19.70	17.49	17.66	17.26	6.99E-39	5.11E-15	5.33E-15	5.11E-15	7.63E-01	5.43E-01	1.02E-01
160.07079	289.93	17.87	14.91	15.95	13.99	8.98E-20	6.24E-13	2.68E-06	4.13E-14	3.34E-02	9.19E-02	5.93E-06
160.10595	182.58	16.22	15.40	15.35	15.82	4.95E-12	1.90E-09	1.22E-10	9.90E-03	9.78E-01	9.00E-03	2.19E-03
160.89263	156.17	10.02	14.74	13.35	16.49	1.22E-29	4.51E-14	9.27E-11	5.11E-15	2.29E-02	2.86E-03	6.89E-09
160.89269	44.94	18.11	16.00	15.75	17.39	1.15E-58	5.11E-15	5.11E-15	4.97E-08	1.72E-01	1.91E-14	5.11E-15
160.91553	27.88	15.04	15.30	14.99	14.76	4.21E-01	8.16E-01	9.98E-01	8.17E-01	7.33E-01	3.34E-01	8.98E-01

160.93424	116.74	16.45	15.76	15.52	16.51	3.52E-10	1.74E-04	1.26E-07	9.85E-01	4.58E-01	1.07E-04	1.05E-07
160.97664	161.84	16.37	14.79	14.53	14.42	1.36E-16	4.04E-10	3.18E-13	1.38E-13	6.85E-01	4.32E-01	9.71E-01
160.99877	24	15.32	14.95	14.10	14.33	1.08E-04	5.70E-01	1.59E-04	5.28E-03	2.15E-02	1.80E-01	8.66E-01
161.00931	20.68	19.24	18.98	18.70	19.24	1.86E-04	2.28E-01	3.99E-04	1.00E+00	1.66E-01	2.74E-01	9.24E-04
161.02439	133.76	14.55	13.91	14.02	14.02	4.74E-06	9.44E-06	3.40E-04	6.06E-04	8.27E-01	8.38E-01	1.00E+00
161.03565	178.6	16.37	14.44	14.40	15.07	7.17E-31	6.22E-15	5.33E-15	4.90E-13	9.94E-01	1.10E-03	3.65E-04
161.04655	287.49	19.01	17.32	17.27	17.17	1.47E-08	3.05E-06	1.25E-06	7.02E-07	9.99E-01	9.75E-01	9.91E-01
161.06074	157.11	14.65	14.05	13.68	14.16	2.50E-06	4.23E-03	4.68E-07	3.27E-02	1.72E-01	9.43E-01	5.27E-02
161.06512	19.41	14.39	15.71	15.39	15.67	1.99E-03	3.76E-03	4.35E-02	7.19E-03	8.48E-01	1.00E+00	9.01E-01
161.07207	211.07	14.93	8.95	8.54	8.80	2.84E-21	4.43E-14	4.41E-14	4.46E-14	9.34E-01	9.97E-01	9.83E-01
161.08318	259.15	20.64	18.21	18.42	18.40	1.62E-73	5.11E-15	5.11E-15	5.11E-15	1.74E-01	2.61E-01	9.99E-01
161.89404	108.39	17.05	14.91	14.67	16.18	1.42E-38	5.11E-15	5.11E-15	2.93E-06	4.59E-01	1.31E-11	4.40E-14
161.89406	32.26	17.36	14.67	14.17	16.41	1.12E-69	5.11E-15	5.11E-15	1.52E-10	1.60E-03	5.77E-15	5.11E-15
161.94453	119.08	15.21	14.77	14.42	14.53	2.37E-05	4.96E-02	2.21E-05	7.38E-04	1.67E-01	5.42E-01	9.08E-01
161.99405	23.74	16.76	15.76	16.13	16.28	2.35E-07	4.57E-08	9.00E-04	2.79E-02	1.39E-01	1.74E-02	8.10E-01
162.0196	132.86	15.52	14.09	14.23	14.99	4.54E-15	4.42E-13	3.54E-11	2.17E-02	8.62E-01	1.91E-05	4.03E-04
162.02318	20.7	16.17	16.23	16.13	16.49	4.55E-02	9.61E-01	9.89E-01	7.92E-02	8.62E-01	2.43E-01	4.21E-02
162.03073	289.97	18.10	17.60	17.70	17.19	5.06E-11	1.72E-04	3.20E-03	4.35E-12	8.59E-01	4.83E-03	2.53E-04
162.04106	24.95	16.12	17.04	16.86	16.79	1.51E-18	4.37E-14	1.21E-12	5.86E-10	2.82E-01	6.63E-02	8.75E-01
162.04199	290.75	17.01	15.78	16.04	15.95	7.04E-03	8.53E-03	5.34E-02	3.70E-02	9.17E-01	9.78E-01	9.96E-01
162.04885	131.85	16.21	15.77	15.58	16.08	4.26E-07	1.31E-03	8.28E-07	7.16E-01	3.72E-01	5.94E-02	3.14E-04
162.0558	217.13	18.09	16.60	16.38	17.34	3.83E-11	4.65E-08	2.11E-10	1.84E-02	8.12E-01	2.63E-02	1.47E-03
162.06717	276.81	19.76	18.26	18.48	18.42	2.90E-32	5.11E-15	2.15E-14	1.82E-14	2.75E-01	5.98E-01	9.59E-01
162.06729	30.26	17.59	16.29	15.19	15.51	2.23E-39	6.46E-14	5.11E-15	5.11E-15	1.55E-10	1.73E-05	1.86E-01
162.07694	282.41	20.52	19.25	19.03	19.95	2.19E-21	5.12E-14	4.15E-14	1.25E-03	4.38E-01	6.36E-05	4.63E-08
162.08661	216.89	15.91	10.94	11.07	10.30	7.31E-13	2.89E-09	5.47E-09	6.60E-11	9.98E-01	8.54E-01	7.64E-01
162.89344	45.6	18.67	16.65	16.50	18.00	2.36E-56	5.11E-15	5.11E-15	1.58E-07	5.67E-01	1.91E-14	5.33E-15
162.9126	27.81	14.25	14.31	13.63	14.03	9.54E-02	9.98E-01	1.36E-01	8.74E-01	1.06E-01	8.01E-01	5.57E-01
162.94755	89.95	15.58	15.47	15.61	15.48	2.12E-01	4.56E-01	9.90E-01	5.78E-01	3.06E-01	9.99E-01	4.14E-01
162.95707	35.05	18.34	16.36	16.85	16.47	2.13E-06	7.99E-06	1.17E-03	4.76E-05	6.25E-01	9.93E-01	8.00E-01
162.96799	113.11	19.25	18.28	18.79	19.29	2.34E-12	1.14E-10	4.58E-03	9.95E-01	1.86E-03	2.48E-10	3.75E-03
163.02501	25.3	18.19	19.58	19.50	19.21	2.13E-16	6.51E-14	4.29E-13	3.20E-08	9.54E-01	1.49E-01	3.64E-01
163.03424	293.33	16.87	17.10	17.20	16.84	6.73E-02	4.18E-01	1.38E-01	9.98E-01	9.35E-01	3.71E-01	1.25E-01
163.03999	176.8	17.60	17.17	17.28	17.37	5.36E-04	3.08E-04	9.93E-03	1.36E-01	7.61E-01	2.76E-01	8.26E-01
163.0513	194.08	17.54	15.16	14.96	15.49	5.61E-37	5.11E-15	5.11E-15	2.64E-14	7.04E-01	3.01E-01	2.72E-02
163.06242	284.87	22.54	21.04	21.23	20.97	4.55E-33	5.77E-15	2.71E-14	5.33E-15	4.22E-01	9.39E-01	1.65E-01
163.07632	194.1	16.59	15.57	15.71	16.10	1.33E-13	1.16E-12	4.84E-10	1.70E-03	7.17E-01	8.41E-04	2.33E-02
163.08046	119.24	16.92	15.88	15.79	16.45	3.42E-19	5.72E-14	4.23E-14	1.15E-03	9.12E-01	8.90E-05	4.23E-06
163.09892	213.69	15.87	9.53	9.94	10.13	1.26E-43	5.11E-15	5.11E-15	5.11E-15	7.55E-01	4.98E-01	9.70E-01
163.11275	198.56	15.99	15.31	15.26	15.28	5.95E-08	8.59E-06	1.40E-06	4.99E-06	9.88E-01	9.95E-01	1.00E+00
163.11284	96.39	15.22	13.03	13.70	14.10	3.78E-19	4.14E-14	5.06E-11	3.63E-06	1.31E-02	2.23E-05	2.78E-01
163.99112	27.06	14.47	13.22	13.40	14.01	4.69E-05	9.82E-05	9.73E-04	3.90E-01	9.32E-01	4.46E-02	1.67E-01
163.99999	31.82	16.38	16.60	16.35	16.20	2.47E-02	2.84E-01	9.92E-01	4.82E-01	1.84E-01	1.23E-02	6.65E-01
164.02136	108.13	13.85	14.57	14.78	14.65	1.29E-02	9.44E-02	1.32E-02	5.70E-02	9.02E-01	9.94E-01	9.77E-01
164.02813	130.22	14.82	15.37	15.81	14.90	1.04E-10	1.43E-03	6.39E-10	9.55E-01	1.89E-02	1.47E-02	7.41E-08

164.0352	292.61	17.47	17.51	17.51	17.90	9.93E-04	9.81E-01	9.88E-01	1.40E-03	1.00E+00	7.02E-03	5.31E-03
164.03889	23.95	17.10	17.34	18.55	19.07	5.90E-41	2.54E-01	1.58E-14	5.11E-15	4.23E-14	5.11E-15	7.39E-04
164.04637	288.46	19.76	18.76	19.13	18.87	4.38E-17	4.40E-14	2.09E-07	1.31E-12	7.04E-03	7.99E-01	1.11E-01
164.04661	26.82	17.88	16.65	15.93	16.08	1.42E-34	4.53E-14	5.11E-15	5.33E-15	6.74E-06	9.46E-04	7.39E-01
164.05767	293.56	16.98	16.51	16.64	16.21	6.46E-04	4.26E-02	2.29E-01	2.26E-04	8.78E-01	3.96E-01	9.75E-02
164.06578	289.24	17.70	16.41	16.51	16.38	1.30E-18	5.71E-14	6.41E-13	5.48E-14	9.11E-01	9.96E-01	8.16E-01
164.06597	109.87	16.98	16.16	16.50	16.37	1.06E-10	4.54E-11	1.85E-04	2.33E-06	1.74E-02	2.90E-01	6.85E-01
164.07181	28.85	22.72	21.93	22.18	22.33	3.26E-14	5.14E-14	6.83E-08	2.24E-04	3.68E-02	3.36E-04	4.41E-01
164.08346	281.79	17.95	17.18	17.15	17.31	2.22E-07	5.00E-06	1.67E-06	3.08E-04	9.98E-01	8.56E-01	7.63E-01
164.83633	17.83	17.63	16.59	16.58	17.94	1.56E-12	3.58E-06	2.10E-06	4.33E-01	1.00E+00	7.58E-09	4.05E-09
164.89551	108.59	17.06	14.86	14.73	16.43	6.53E-41	5.11E-15	5.11E-15	9.10E-04	8.59E-01	4.20E-14	4.04E-14
164.89553	30.76	17.48	14.75	14.26	16.47	1.18E-73	5.11E-15	5.11E-15	1.42E-12	8.74E-04	5.11E-15	5.11E-15
164.9476	46.87	17.40	18.19	18.11	17.82	7.00E-15	1.87E-13	1.52E-11	1.61E-04	8.51E-01	2.35E-03	2.63E-02
164.95714	32.56	21.91	22.61	22.72	22.46	1.54E-20	4.85E-14	4.21E-14	1.27E-09	5.59E-01	2.93E-01	1.34E-02
164.96367	92	14.88	14.23	14.03	14.21	4.62E-02	1.81E-01	3.96E-02	1.80E-01	9.28E-01	1.00E+00	9.48E-01
164.97805	148.4	16.39	15.29	14.71	15.54	7.66E-18	4.39E-09	4.50E-14	1.25E-05	4.69E-03	5.21E-01	2.98E-05
165.00571	20.01	14.92	10.35	11.39	12.21	2.56E-24	1.20E-14	4.33E-14	9.20E-10	5.04E-02	6.42E-05	1.84E-01
165.01915	293.38	18.97	17.94	17.75	18.12	2.44E-21	4.70E-14	4.06E-14	1.38E-10	3.87E-01	4.92E-01	1.71E-02
165.01923	173.41	19.06	18.62	18.58	18.55	4.92E-02	1.54E-01	8.88E-02	8.27E-02	9.96E-01	9.88E-01	1.00E+00
165.03149	97.88	15.28	13.60	14.10	14.14	9.08E-17	4.31E-14	1.36E-09	1.53E-08	3.48E-02	2.55E-02	9.97E-01
165.03412	19.7	13.75	15.63	15.09	15.23	1.24E-08	1.36E-08	6.39E-05	1.96E-05	3.06E-01	5.84E-01	9.75E-01
165.04078	18.05	20.59	21.33	21.32	21.25	3.88E-18	5.35E-14	5.80E-14	1.21E-11	9.99E-01	8.15E-01	8.68E-01
165.0408	212.82	19.18	18.94	18.94	18.85	2.22E-02	1.19E-01	1.16E-01	1.93E-02	1.00E+00	8.81E-01	8.74E-01
165.04124	294.33	17.79	17.48	17.96	17.49	5.72E-06	1.70E-02	3.32E-01	2.58E-02	5.10E-05	1.00E+00	1.09E-04
165.04992	276.47	17.99	18.52	18.58	18.16	7.64E-06	3.06E-04	3.69E-05	5.43E-01	9.69E-01	4.70E-02	1.25E-02
165.05561	282.79	17.33	17.07	16.91	17.10	1.63E-04	3.09E-02	4.09E-05	8.42E-02	2.96E-01	9.90E-01	1.80E-01
165.0559	21.9	16.40	16.15	16.19	15.91	6.48E-03	2.39E-01	3.65E-01	2.27E-03	9.94E-01	3.20E-01	1.98E-01
165.06693	176.03	17.52	16.31	16.61	16.69	8.23E-19	4.29E-14	7.70E-12	1.38E-09	8.26E-02	2.03E-02	9.28E-01
165.07515	22.14	18.96	17.76	18.17	18.38	2.34E-23	1.07E-14	1.98E-12	6.62E-07	5.48E-04	1.44E-07	2.06E-01
165.07812	265.57	19.84	17.57	17.56	17.29	5.63E-62	5.11E-15	5.11E-15	5.11E-15	1.00E+00	1.21E-01	1.35E-01
165.08634	208.03	14.76	9.90	9.57	10.70	4.11E-17	2.97E-13	4.76E-14	2.02E-09	9.51E-01	5.89E-01	2.80E-01
165.092	191.88	16.44	15.54	15.87	16.00	3.52E-07	7.26E-08	9.35E-04	2.62E-02	1.63E-01	2.36E-02	8.25E-01
165.96052	31.6	15.51	15.03	14.93	15.11	4.66E-02	1.27E-01	4.02E-02	2.99E-01	9.71E-01	9.82E-01	8.50E-01
165.97125	26.65	14.45	14.17	14.69	14.91	1.49E-01	8.12E-01	8.73E-01	4.92E-01	3.79E-01	1.22E-01	9.08E-01
166.0144	290.7	16.76	17.31	17.66	17.22	5.21E-10	1.17E-04	5.81E-11	2.78E-03	3.60E-02	8.99E-01	5.28E-03
166.01457	112.43	16.22	15.95	15.93	15.95	1.27E-01	2.18E-01	1.73E-01	2.54E-01	1.00E+00	1.00E+00	9.99E-01
166.01817	17.26	20.23	21.06	20.58	20.40	1.77E-16	4.23E-14	5.56E-04	2.56E-01	1.99E-06	1.54E-10	2.09E-01
166.0228	16.78	14.30	13.34	11.82	13.78	7.80E-10	4.03E-02	3.05E-10	5.00E-01	3.47E-04	6.47E-01	3.09E-06
166.02566	294.09	16.26	16.83	17.03	16.29	1.49E-05	8.44E-03	1.17E-04	9.98E-01	6.93E-01	2.37E-02	5.98E-04
166.02945	20.37	16.12	15.83	15.47	15.75	7.38E-03	4.04E-01	2.81E-03	2.01E-01	2.31E-01	9.71E-01	4.96E-01
166.03919	21.69	13.96	14.14	14.20	15.03	1.11E-02	9.43E-01	8.78E-01	7.93E-03	9.98E-01	4.82E-02	7.03E-02
166.04033	218.17	15.29	14.95	14.25	14.37	7.68E-04	6.28E-01	1.40E-03	9.28E-03	7.23E-02	2.11E-01	9.76E-01
166.04424	20.47	15.69	16.20	16.14	16.09	7.87E-05	1.37E-04	1.02E-03	7.30E-03	9.51E-01	7.85E-01	9.74E-01
166.05088	180.77	18.54	18.18	18.18	18.51	1.33E-05	6.53E-04	5.37E-04	9.87E-01	1.00E+00	4.38E-03	3.80E-03
166.06206	288.73	18.46	17.70	17.62	17.89	7.72E-10	1.53E-07	3.02E-09	2.06E-04	9.13E-01	5.19E-01	1.83E-01

166.07211	20.4	16.36	13.91	13.40	15.19	1.59E-60	5.11E-15	5.11E-15	7.15E-14	1.68E-03	4.37E-14	5.33E-15
166.08159	188.81	16.06	15.78	15.47	15.00	7.36E-05	5.74E-01	3.89E-02	3.27E-05	5.34E-01	5.91E-03	1.81E-01
166.0873	136.16	15.01	14.19	14.01	14.09	1.48E-13	1.82E-08	4.94E-12	6.98E-10	5.48E-01	8.88E-01	9.43E-01
166.93636	168.16	9.67	18.31	17.80	10.98	5.30E-37	5.11E-15	5.77E-15	2.23E-01	8.76E-01	4.02E-14	4.31E-14
166.95735	145.91	14.85	13.93	13.37	14.18	9.09E-07	2.50E-03	1.81E-07	6.18E-02	1.62E-01	7.82E-01	1.66E-02
166.96138	31.39	15.25	14.74	14.86	14.97	2.30E-02	1.58E-02	1.01E-01	3.70E-01	8.95E-01	5.83E-01	9.34E-01
166.97528	21.86	19.42	23.92	23.84	23.08	4.56E-43	5.11E-15	5.11E-15	5.77E-15	9.92E-01	3.25E-02	6.25E-02
166.99492	48.69	18.52	18.26	18.24	18.60	1.24E-03	6.83E-02	3.74E-02	8.80E-01	9.97E-01	1.32E-02	6.49E-03
167.0212	17.77	24.64	24.41	24.88	24.91	5.34E-04	2.65E-01	2.39E-01	1.68E-01	2.10E-03	1.34E-03	9.95E-01
167.0461	290.74	16.53	16.38	16.35	16.57	3.55E-01	7.43E-01	5.80E-01	9.89E-01	9.95E-01	5.83E-01	4.27E-01
167.0462	181.11	17.65	15.65	15.47	16.03	9.36E-34	5.77E-15	5.11E-15	4.26E-14	7.17E-01	1.17E-01	6.49E-03
167.05432	119.1	14.67	14.08	13.89	14.21	1.53E-07	8.39E-05	7.14E-08	5.29E-03	5.00E-01	7.76E-01	9.47E-02
167.06151	196.04	16.81	16.07	15.90	16.11	1.73E-08	1.01E-05	2.97E-08	6.55E-05	6.95E-01	9.92E-01	5.28E-01
167.06569	253.12	21.75	22.46	21.95	22.46	1.16E-04	9.00E-04	7.03E-01	1.28E-03	3.50E-02	1.00E+00	4.17E-02
167.06582	27.59	24.05	23.91	23.84	23.48	8.27E-04	7.38E-01	4.03E-01	3.25E-04	9.55E-01	1.44E-02	5.50E-02
167.07123	289.28	17.52	17.14	17.13	17.31	8.21E-05	3.83E-04	2.45E-04	1.30E-01	1.00E+00	3.12E-01	2.70E-01
167.10765	167.9	16.85	15.80	15.58	16.13	4.95E-09	2.11E-06	6.07E-09	3.00E-03	7.20E-01	4.03E-01	4.86E-02
167.14412	143.36	14.93	13.60	13.71	14.03	1.01E-13	2.32E-12	6.32E-11	4.99E-06	9.31E-01	8.10E-02	2.64E-01
167.99739	23.56	16.45	16.15	16.36	16.67	2.20E-02	2.31E-01	9.31E-01	5.28E-01	5.78E-01	1.09E-02	2.31E-01
168.01427	20.71	14.79	15.27	14.44	14.21	1.71E-03	2.89E-01	5.45E-01	1.59E-01	1.45E-02	1.45E-03	8.58E-01
168.01825	20.23	17.76	17.07	17.75	17.81	1.21E-05	1.17E-04	1.00E+00	9.94E-01	2.26E-04	1.04E-04	9.88E-01
168.02468	19.86	20.50	20.20	20.52	20.60	6.59E-03	4.61E-02	9.99E-01	8.34E-01	3.67E-02	6.09E-03	9.00E-01
168.02859	34.38	18.87	19.39	19.48	18.86	2.70E-06	2.12E-03	1.25E-04	9.99E-01	9.05E-01	2.74E-03	2.00E-04
168.03013	154.81	16.09	14.35	14.70	15.55	2.97E-16	5.13E-14	2.18E-10	4.72E-02	3.19E-01	2.75E-07	4.26E-04
168.04309	29.31	21.29	23.16	23.22	22.52	3.03E-74	5.11E-15	5.11E-15	5.11E-15	8.63E-01	4.06E-13	4.37E-14
168.05683	216.56	16.28	10.31	10.71	10.59	1.77E-19	4.41E-14	6.72E-14	9.41E-14	9.36E-01	9.78E-01	9.98E-01
168.06657	161.62	16.67	15.84	15.73	16.06	4.73E-12	4.88E-09	2.15E-11	4.50E-05	8.29E-01	3.64E-01	6.67E-02
168.10292	168.7	16.89	16.58	16.47	17.23	3.42E-07	9.90E-02	9.12E-03	5.42E-02	8.44E-01	3.00E-05	5.70E-07
168.91319	93.35	13.32	14.11	14.15	14.36	1.73E-02	1.02E-01	7.38E-02	1.79E-02	9.99E-01	8.96E-01	9.33E-01
168.93461	96.65	14.86	14.15	14.10	14.69	1.55E-06	1.07E-04	2.40E-05	7.30E-01	9.91E-01	1.01E-02	3.56E-03
168.95206	56.81	20.57	18.23	21.22	21.16	2.80E-83	5.11E-15	4.69E-09	2.64E-07	5.11E-15	5.11E-15	9.53E-01
168.99093	17.92	21.39	22.68	22.74	22.93	1.33E-14	9.75E-10	1.22E-10	1.55E-12	9.92E-01	6.13E-01	7.77E-01
168.99734	170.06	16.46	17.50	17.80	18.24	7.69E-17	4.45E-07	5.50E-11	4.42E-14	4.17E-01	1.43E-03	1.13E-01
169.00093	18.29	15.22	12.27	11.29	14.12	3.77E-10	7.91E-06	1.04E-09	2.71E-01	3.63E-01	1.82E-02	4.83E-05
169.00798	22.7	16.08	16.20	16.74	16.34	3.29E-08	7.03E-01	2.02E-08	9.69E-02	9.82E-06	6.07E-01	2.53E-03
169.01202	155.93	15.82	14.95	15.39	15.46	4.42E-10	3.46E-11	2.29E-03	2.06E-02	1.84E-03	3.75E-04	9.48E-01
169.02557	19.95	16.39	16.48	16.40	16.67	2.53E-01	9.40E-01	1.00E+00	2.52E-01	9.60E-01	5.92E-01	3.01E-01
169.03126	30.57	13.85	13.94	14.06	13.61	4.61E-01	9.88E-01	8.56E-01	8.34E-01	9.69E-01	6.72E-01	3.91E-01
169.04665	26.34	15.97	17.84	18.06	17.09	5.70E-68	5.11E-15	5.11E-15	5.33E-15	7.84E-02	1.16E-13	3.51E-14
169.05184	287.19	19.79	17.34	17.67	16.41	2.86E-15	2.53E-09	2.10E-07	4.71E-14	8.26E-01	9.26E-02	8.61E-03
169.06177	290.92	16.98	16.69	16.73	16.92	6.34E-02	9.39E-02	1.79E-01	9.59E-01	9.90E-01	3.14E-01	4.79E-01
169.06986	135.08	15.31	14.73	14.72	14.70	1.50E-06	6.70E-05	3.47E-05	3.18E-05	1.00E+00	9.92E-01	9.98E-01
169.07005	25.21	16.75	16.05	15.74	15.72	1.21E-12	1.05E-05	7.56E-11	1.46E-10	1.47E-01	1.29E-01	9.99E-01
169.08687	267.48	18.43	18.73	18.73	18.65	1.39E-01	1.83E-01	1.72E-01	4.56E-01	1.00E+00	9.62E-01	9.59E-01
169.12331	208.02	17.70	16.84	16.83	17.26	3.65E-10	1.89E-08	8.94E-09	1.29E-02	1.00E+00	2.32E-02	1.74E-02

169.98623	65.46	15.41	13.01	14.40	14.77	7.63E-18	4.14E-14	2.10E-04	5.42E-02	3.20E-07	2.86E-10	4.48E-01
169.99452	19.99	15.76	16.56	16.63	17.06	1.18E-06	2.77E-03	8.24E-04	4.62E-07	9.91E-01	1.71E-01	2.80E-01
170.04705	290.56	18.74	15.41	15.82	15.05	7.10E-33	7.11E-15	3.53E-14	5.11E-15	4.66E-01	6.00E-01	3.99E-02
170.05698	187.12	16.12	14.03	13.94	14.58	6.73E-16	8.46E-13	9.10E-14	2.56E-07	9.83E-01	2.05E-01	9.25E-02
170.05982	211.28	14.88	9.79	10.84	10.91	9.93E-14	5.20E-13	5.72E-09	3.47E-08	3.72E-01	3.42E-01	1.00E+00
170.07226	279.45	18.51	16.65	16.47	16.72	8.51E-43	5.11E-15	5.11E-15	5.11E-15	5.48E-01	9.56E-01	2.71E-01
170.08211	293.73	17.66	18.47	18.82	18.34	2.77E-22	1.13E-12	1.91E-14	5.51E-09	6.40E-03	6.18E-01	8.62E-05
170.0903	183.91	15.94	15.34	15.30	15.80	2.74E-10	2.78E-07	3.61E-08	5.74E-01	9.88E-01	3.13E-04	7.22E-05
170.83348	17.95	16.51	16.86	16.97	17.05	5.65E-03	1.39E-01	2.25E-02	6.01E-03	9.03E-01	6.44E-01	9.55E-01
170.89262	108.03	13.37	14.24	14.37	14.47	4.37E-04	1.28E-02	2.39E-03	1.12E-03	9.66E-01	8.66E-01	9.88E-01
170.90215	108.52	16.21	16.01	16.00	16.78	4.07E-07	4.78E-01	4.42E-01	6.06E-04	1.00E+00	2.66E-06	1.75E-06
170.94432	29.78	18.88	19.01	19.30	18.54	7.16E-05	8.43E-01	2.95E-02	1.28E-01	2.33E-01	2.04E-02	1.82E-05
170.95026	83.97	15.83	15.30	15.92	15.71	6.03E-09	6.07E-07	7.85E-01	6.34E-01	9.29E-09	3.92E-04	1.71E-01
170.97017	57.83	17.32	16.22	18.41	18.55	7.52E-50	4.66E-14	4.42E-14	4.30E-14	5.11E-15	5.11E-15	6.92E-01
171.00634	171.4	11.88	15.65	15.73	15.02	2.04E-21	4.20E-14	4.46E-14	2.84E-12	9.98E-01	4.40E-01	3.33E-01
171.00688	20.74	21.74	22.21	22.21	22.08	3.34E-03	7.55E-03	6.44E-03	9.48E-02	1.00E+00	8.52E-01	8.41E-01
171.02739	294.28	14.83	17.13	17.08	17.15	1.57E-18	7.37E-14	9.86E-14	1.10E-13	9.98E-01	1.00E+00	9.94E-01
171.04099	293.51	15.97	17.20	17.22	17.41	3.17E-13	4.53E-09	1.89E-09	2.24E-11	1.00E+00	7.18E-01	7.65E-01
171.04155	18.26	16.43	17.02	17.02	16.96	5.99E-21	4.37E-14	4.27E-14	2.67E-13	1.00E+00	7.61E-01	7.91E-01
171.06747	258.18	22.67	21.02	21.22	21.02	1.98E-19	4.26E-14	7.20E-13	4.60E-14	6.89E-01	1.00E+00	7.04E-01
171.07751	174.83	16.44	15.87	16.02	16.20	3.43E-04	2.07E-04	1.03E-02	3.02E-01	6.97E-01	1.01E-01	5.89E-01
171.10256	242.67	23.27	23.23	22.46	21.66	4.00E-07	9.99E-01	3.12E-02	1.86E-06	5.43E-02	6.60E-06	5.39E-02
171.13895	270.54	19.16	18.53	18.68	18.57	5.66E-09	4.39E-08	3.11E-05	7.73E-07	5.23E-01	9.79E-01	7.87E-01
171.13907	77.42	17.25	15.23	15.34	16.08	2.04E-52	5.11E-15	5.11E-15	3.69E-14	7.70E-01	1.06E-11	1.79E-09
171.83449	17.9	10.51	11.22	10.41	10.43	6.58E-02	1.57E-01	9.89E-01	9.94E-01	8.84E-02	1.18E-01	1.00E+00
171.94683	163.06	13.80	13.04	13.59	14.51	5.31E-02	4.19E-01	9.70E-01	5.15E-01	7.08E-01	2.88E-02	2.89E-01
171.96544	81.51	14.87	14.07	13.99	14.62	7.27E-06	3.14E-04	4.09E-05	5.97E-01	9.72E-01	3.83E-02	1.04E-02
172.00183	47.16	17.75	15.92	16.51	16.06	4.36E-15	1.55E-13	3.34E-07	1.58E-11	5.02E-02	9.40E-01	2.13E-01
172.01034	20.04	16.17	16.13	16.13	16.13	9.93E-01	9.96E-01	9.95E-01	9.96E-01	1.00E+00	1.00E+00	1.00E+00
172.02325	30.92	19.41	18.98	19.52	19.16	4.78E-04	7.32E-03	8.67E-01	2.53E-01	6.51E-04	5.77E-01	5.60E-02
172.04034	156.58	15.31	14.27	14.35	14.37	2.92E-15	7.55E-13	2.28E-11	2.67E-10	9.25E-01	8.73E-01	9.99E-01
172.04042	55.51	15.59	14.60	15.41	15.29	7.04E-06	4.00E-06	7.73E-01	4.36E-01	3.58E-04	4.62E-03	9.41E-01
172.0515	290.18	17.97	16.89	16.85	16.87	2.34E-24	4.41E-14	4.19E-14	4.26E-14	9.85E-01	9.99E-01	9.97E-01
172.05173	89.95	16.64	14.35	14.83	14.90	1.75E-43	5.11E-15	5.11E-15	5.33E-15	3.84E-03	9.30E-04	9.56E-01
172.06278	288.8	22.92	20.92	21.04	20.95	1.59E-76	5.11E-15	5.11E-15	5.11E-15	4.07E-01	9.69E-01	7.14E-01
172.07086	287.87	18.68	17.06	17.12	17.26	6.22E-39	5.11E-15	5.11E-15	6.00E-15	9.40E-01	3.32E-01	6.63E-01
172.08802	226.22	17.00	10.41	10.45	10.55	2.33E-39	5.11E-15	5.11E-15	5.11E-15	1.00E+00	9.92E-01	9.97E-01
172.09781	291.06	18.09	17.68	17.56	18.17	4.46E-05	2.39E-02	1.52E-03	9.48E-01	8.56E-01	7.54E-03	4.25E-04
172.10591	265.83	18.94	18.20	18.23	18.54	2.37E-16	8.17E-14	2.42E-13	1.13E-04	9.88E-01	1.56E-03	4.33E-03
172.89947	25.54	15.75	14.45	14.47	14.61	1.11E-02	2.34E-02	2.43E-02	7.02E-02	1.00E+00	9.88E-01	9.91E-01
172.94142	30.31	17.22	17.09	17.40	16.69	1.07E-03	8.53E-01	7.01E-01	1.38E-02	2.59E-01	1.26E-01	4.79E-04
172.94944	83.79	14.59	14.30	14.51	14.59	8.98E-01	8.99E-01	9.97E-01	1.00E+00	9.60E-01	9.17E-01	9.98E-01
172.95785	290.38	15.32	15.29	15.93	16.63	5.65E-05	1.00E+00	1.76E-01	1.83E-04	1.64E-01	2.02E-04	1.16E-01
172.98583	47.88	22.80	22.37	22.83	23.43	2.05E-08	2.88E-02	9.96E-01	4.37E-04	1.80E-02	2.12E-09	1.32E-03
172.98983	159.37	15.66	16.57	13.99	15.62	7.22E-05	3.16E-01	9.59E-03	1.00E+00	2.12E-05	3.22E-01	2.03E-02

172.99132	180.55	13.66	13.63	13.37	13.67	7.93E-01	1.00E+00	8.17E-01	1.00E+00	8.73E-01	9.99E-01	8.29E-01
173.0084	25.89	23.84	23.82	24.02	24.21	5.05E-06	9.95E-01	1.00E-01	3.44E-05	6.68E-02	2.17E-05	8.47E-02
173.02546	30.27	16.07	15.91	16.24	15.92	2.01E-02	5.52E-01	3.98E-01	6.22E-01	2.71E-02	1.00E+00	4.01E-02
173.03432	31.5	12.61	13.58	14.22	13.27	6.26E-03	1.50E-01	2.59E-03	4.99E-01	5.17E-01	9.17E-01	1.95E-01
173.04665	288.47	20.65	19.06	19.45	18.35	2.74E-16	2.07E-09	6.75E-06	4.35E-14	3.90E-01	2.92E-02	1.18E-04
173.05672	114.35	14.40	14.43	14.49	14.97	8.91E-04	9.98E-01	9.28E-01	1.25E-03	9.76E-01	3.32E-03	1.14E-02
173.05795	290.34	17.49	16.19	16.36	16.10	1.30E-11	4.23E-09	2.56E-07	8.50E-10	8.51E-01	9.72E-01	6.09E-01
173.06615	294.11	18.22	16.55	16.92	16.75	2.88E-28	6.66E-15	4.40E-14	4.06E-14	4.30E-02	5.33E-01	6.14E-01
173.0831	282.05	20.39	16.74	16.29	16.09	1.67E-35	1.27E-14	5.11E-15	5.11E-15	4.87E-01	2.02E-01	9.31E-01
173.09338	23.23	17.22	16.97	16.76	16.87	1.97E-03	1.65E-01	1.05E-03	3.01E-02	3.46E-01	8.82E-01	8.17E-01
173.10135	145.53	15.66	14.39	14.12	14.68	7.13E-14	1.25E-09	1.96E-13	6.42E-06	5.05E-01	4.77E-01	2.75E-02
173.10447	66.18	21.16	20.77	22.90	23.12	4.68E-25	3.15E-01	1.57E-12	7.04E-14	4.42E-14	4.40E-14	8.04E-01
173.10929	155.48	14.91	13.91	13.92	13.44	8.82E-09	6.88E-05	6.80E-05	4.98E-09	1.00E+00	1.94E-01	1.74E-01
173.11818	265.73	18.13	17.64	17.63	17.98	3.61E-04	2.68E-03	1.55E-03	7.04E-01	9.99E-01	9.80E-02	7.16E-02
173.12947	130.94	9.52	15.12	15.27	13.37	3.09E-27	2.24E-14	1.29E-14	9.65E-12	9.91E-01	5.93E-03	2.01E-03
173.47321	20.54	18.03	18.63	18.24	18.17	1.77E-06	6.01E-07	2.25E-01	5.96E-01	2.74E-03	4.87E-04	9.36E-01
173.83145	17.73	10.55	11.14	11.34	10.96	1.97E-01	4.14E-01	1.54E-01	7.26E-01	9.51E-01	9.70E-01	7.64E-01
173.95746	141.23	15.22	14.58	14.93	15.13	4.35E-05	3.09E-05	1.36E-01	9.10E-01	6.68E-02	1.15E-03	5.02E-01
173.98038	76.64	14.99	14.09	16.08	15.16	1.12E-13	4.59E-04	1.29E-05	8.85E-01	5.04E-14	5.89E-05	7.55E-04
173.98842	31.4	17.60	17.06	16.88	17.22	5.06E-04	1.19E-02	2.60E-04	1.51E-01	7.43E-01	8.18E-01	2.45E-01
174.0019	201.66	13.52	15.71	15.72	15.90	7.83E-11	5.85E-08	4.20E-08	9.78E-09	1.00E+00	9.65E-01	9.66E-01
174.01275	23.25	19.39	19.33	19.64	19.83	2.94E-08	8.62E-01	1.46E-02	4.08E-06	1.51E-03	2.09E-07	1.40E-01
174.01731	16.77	20.34	20.54	20.37	20.10	3.36E-03	2.73E-01	9.95E-01	1.44E-01	4.22E-01	1.10E-03	9.36E-02
174.02347	22.09	15.13	15.48	16.19	16.36	1.63E-04	6.39E-01	2.64E-03	5.36E-04	1.04E-01	3.22E-02	9.48E-01
174.03077	291.65	16.65	16.38	16.30	15.78	6.99E-04	5.29E-01	2.82E-01	2.09E-04	9.77E-01	2.67E-02	7.17E-02
174.04205	290.11	17.99	17.65	17.28	16.85	3.35E-04	5.80E-01	3.20E-02	1.97E-04	4.85E-01	2.07E-02	4.14E-01
174.05597	171.87	16.22	15.16	15.12	15.34	1.66E-16	3.58E-13	7.86E-14	3.33E-09	9.94E-01	5.55E-01	3.91E-01
174.05921	180.75	16.14	15.62	15.70	15.85	3.55E-04	3.63E-04	3.15E-03	1.13E-01	9.31E-01	3.38E-01	6.87E-01
174.06721	264.62	19.14	17.14	17.20	16.99	2.00E-39	5.11E-15	5.11E-15	5.11E-15	9.79E-01	7.45E-01	5.01E-01
174.06734	78.71	17.42	15.16	15.50	15.87	7.59E-44	5.11E-15	5.11E-15	1.93E-14	5.75E-02	3.97E-06	3.82E-02
174.07822	262.58	19.53	17.25	17.67	17.29	1.31E-31	5.33E-15	3.99E-14	7.55E-15	1.13E-01	9.98E-01	1.88E-01
174.08631	209.24	16.41	13.34	12.09	13.76	9.24E-13	2.53E-07	3.21E-13	2.02E-05	1.09E-01	8.77E-01	1.76E-02
174.10149	83.84	14.36	13.79	14.14	15.27	3.00E-07	9.14E-02	7.91E-01	1.48E-03	5.01E-01	1.16E-07	6.01E-05
174.10781	75.97	16.16	17.00	18.10	18.48	5.86E-24	4.86E-04	4.24E-14	3.46E-14	3.04E-06	1.01E-09	3.20E-01
174.12165	144.38	15.41	14.67	14.59	14.70	5.43E-08	6.69E-06	3.81E-07	2.91E-05	9.52E-01	9.98E-01	8.94E-01
174.88933	17.64	15.28	13.49	13.35	13.08	9.41E-08	4.91E-05	7.67E-06	7.22E-07	9.84E-01	7.52E-01	9.15E-01
174.90776	60.91	15.85	14.85	16.81	16.57	7.12E-17	2.77E-05	4.82E-05	6.34E-03	4.27E-14	3.71E-12	6.91E-01
174.95582	174.52	19.21	18.79	19.44	18.21	1.18E-07	1.61E-01	6.47E-01	1.69E-05	9.16E-03	3.73E-02	1.23E-07
174.98394	44.86	18.43	18.15	19.01	19.19	1.29E-11	2.04E-01	4.96E-04	4.82E-06	1.29E-07	5.72E-10	6.33E-01
174.99131	26.66	17.42	17.05	16.65	17.16	2.78E-03	2.66E-01	9.77E-04	5.88E-01	2.20E-01	9.59E-01	8.32E-02
175.02497	22.45	27.87	28.81	28.54	28.29	2.57E-19	4.26E-14	2.38E-11	8.83E-05	2.21E-02	1.11E-06	4.69E-02
175.03998	143.02	15.30	12.23	12.84	13.43	4.44E-18	4.26E-14	1.80E-12	2.44E-07	2.58E-01	2.69E-03	2.85E-01
175.05151	207.71	15.73	8.39	8.15	10.87	4.21E-36	5.11E-15	5.11E-15	4.64E-14	9.73E-01	1.29E-04	1.80E-05
175.06232	257.89	21.42	19.05	19.21	19.47	4.93E-33	5.11E-15	6.00E-15	3.91E-14	8.09E-01	1.16E-01	5.09E-01
175.0625	25.23	18.11	16.64	15.95	16.18	8.52E-39	3.99E-14	5.11E-15	5.11E-15	2.10E-05	1.42E-02	3.92E-01

175.07106	207.77	15.85	11.46	12.39	12.29	4.27E-18	4.39E-14	1.49E-11	1.92E-11	2.10E-01	3.38E-01	9.97E-01
175.08155	196.99	14.23	8.93	9.09	8.84	1.33E-45	5.11E-15	5.11E-15	5.11E-15	9.68E-01	9.95E-01	8.98E-01
175.0985	220.73	18.04	13.96	12.94	14.23	2.73E-22	5.60E-14	3.44E-14	1.53E-12	1.56E-01	9.53E-01	5.11E-02
175.16669	20.17	15.40	15.84	15.40	15.08	3.13E-02	2.54E-01	1.00E+00	5.66E-01	2.79E-01	1.53E-02	5.71E-01
175.98861	22.86	15.07	15.72	15.57	15.89	4.23E-06	2.61E-04	7.17E-03	4.24E-06	7.93E-01	7.38E-01	2.19E-01
175.99595	65	15.26	13.89	15.39	14.88	2.47E-07	3.62E-06	9.65E-01	5.08E-01	6.35E-07	2.92E-03	2.70E-01
176.00093	27.42	17.31	17.80	18.20	18.27	2.46E-05	9.48E-02	1.67E-04	8.93E-05	2.45E-01	1.57E-01	9.91E-01
176.00976	27.45	16.86	15.95	16.28	16.50	2.35E-06	7.15E-07	2.63E-03	1.56E-01	2.24E-01	1.02E-02	5.63E-01
176.02823	20.13	24.05	24.72	24.60	24.26	5.00E-15	1.60E-13	6.72E-10	5.68E-02	4.61E-01	1.60E-06	6.65E-04
176.03524	138.85	15.69	14.15	14.14	15.21	2.66E-22	4.31E-14	4.24E-14	2.40E-02	1.00E+00	1.84E-08	1.11E-08
176.04635	290.54	18.06	17.47	17.60	17.10	4.33E-13	1.91E-06	2.97E-04	1.03E-13	6.55E-01	1.20E-02	1.89E-04
176.05758	293.5	17.41	15.45	15.26	15.38	9.24E-15	1.91E-10	2.24E-12	1.19E-10	9.13E-01	9.94E-01	9.80E-01
176.06601	96.69	15.81	13.84	14.17	14.66	4.58E-26	7.99E-15	4.35E-14	6.79E-10	2.11E-01	2.68E-05	2.52E-02
176.0717	170.89	15.38	14.16	14.06	14.50	1.31E-04	8.84E-04	2.20E-04	3.63E-02	9.90E-01	7.41E-01	5.47E-01
176.08285	282.67	17.32	15.60	16.17	15.90	1.92E-14	9.97E-14	3.80E-07	1.07E-09	3.53E-02	5.14E-01	5.87E-01
176.09415	288.53	16.91	11.50	12.04	11.37	2.31E-24	4.16E-14	4.42E-14	4.06E-14	7.53E-01	9.95E-01	6.23E-01
176.90507	71.78	15.20	14.37	14.60	14.52	4.01E-04	3.82E-04	1.68E-02	7.25E-03	6.94E-01	8.99E-01	9.83E-01
176.91033	30.28	14.94	14.58	14.75	14.78	3.59E-01	2.70E-01	7.72E-01	8.58E-01	8.33E-01	7.78E-01	9.99E-01
176.93598	19.57	20.74	23.13	23.13	22.79	9.97E-27	2.86E-14	2.62E-14	4.31E-14	1.00E+00	4.37E-01	4.36E-01
176.97807	157.33	15.70	15.01	15.35	16.55	2.79E-14	4.75E-04	1.66E-01	1.50E-05	2.22E-01	6.24E-14	1.03E-09
176.98366	176.72	16.60	15.88	15.85	16.26	9.97E-16	2.22E-12	1.58E-13	2.20E-03	9.80E-01	9.49E-04	1.91E-04
177.00579	21.25	16.49	17.74	17.05	16.83	2.11E-02	1.10E-02	4.93E-01	8.43E-01	3.34E-01	1.40E-01	9.52E-01
177.01929	130.99	14.93	14.20	14.10	14.45	5.26E-10	1.51E-07	1.59E-09	1.69E-03	8.70E-01	2.29E-01	4.07E-02
177.02979	19.92	21.30	22.05	21.92	21.59	2.88E-18	4.27E-14	1.62E-12	2.20E-03	3.68E-01	1.12E-06	9.04E-04
177.04027	266.58	18.85	19.72	19.66	19.35	7.03E-12	1.23E-10	1.21E-09	5.78E-04	9.70E-01	2.48E-02	7.41E-02
177.05562	185.58	16.49	16.10	16.05	16.18	1.58E-03	8.81E-03	1.71E-03	7.05E-02	9.72E-01	9.20E-01	7.07E-01
177.07817	256.12	20.98	18.40	18.62	18.90	5.67E-59	5.11E-15	5.11E-15	5.11E-15	3.41E-01	1.23E-03	1.37E-01
177.0872	156.58	15.24	14.73	14.71	14.63	7.26E-06	5.10E-04	2.10E-04	3.18E-05	9.98E-01	8.76E-01	9.38E-01
177.09203	201.91	16.92	16.15	16.63	16.52	1.24E-06	1.97E-07	1.19E-01	2.21E-02	3.69E-03	4.57E-02	8.88E-01
177.16491	216.97	15.77	14.16	15.18	15.43	6.24E-06	2.43E-06	2.17E-01	7.00E-01	7.46E-03	7.44E-04	8.69E-01
178.00685	21.76	15.58	14.54	14.88	15.28	1.16E-03	8.00E-04	4.31E-02	6.80E-01	6.08E-01	4.99E-02	4.94E-01
178.01798	20.91	17.02	16.93	16.83	17.55	8.54E-05	9.36E-01	6.23E-01	4.82E-03	9.33E-01	9.27E-04	7.93E-05
178.02569	292.02	15.02	16.50	16.49	15.45	1.18E-09	1.54E-07	1.43E-07	3.56E-01	1.00E+00	8.01E-04	8.18E-04
178.03266	17.08	16.48	17.03	16.85	16.53	6.51E-11	1.49E-09	6.36E-05	9.47E-01	1.47E-01	1.70E-07	1.39E-03
178.04381	165.37	15.22	14.16	14.08	14.48	3.82E-11	8.32E-09	3.07E-10	1.46E-04	9.57E-01	2.72E-01	9.63E-02
178.05095	171.65	18.58	18.60	18.41	18.38	6.22E-02	9.96E-01	3.14E-01	1.90E-01	2.35E-01	1.38E-01	9.87E-01
178.05109	23.23	18.55	23.27	17.97	17.86	3.73E-79	5.11E-15	1.74E-02	4.64E-03	5.11E-15	5.11E-15	9.57E-01
178.06208	285.32	18.81	17.69	17.88	17.65	2.99E-34	5.11E-15	3.24E-14	5.11E-15	1.52E-01	9.59E-01	5.28E-02
178.06235	35.46	17.48	15.85	15.18	15.64	4.84E-25	1.31E-13	1.04E-14	4.26E-14	6.35E-03	7.49E-01	1.26E-01
178.07343	289.46	15.87	11.54	10.63	11.31	5.33E-39	5.77E-15	5.11E-15	5.33E-15	5.23E-02	9.23E-01	2.42E-01
178.08738	144.16	14.93	14.29	14.34	14.58	4.60E-07	1.62E-06	1.01E-05	2.86E-02	9.74E-01	9.85E-02	2.24E-01
178.09866	210.55	16.08	9.24	8.63	9.43	2.94E-43	5.11E-15	5.11E-15	5.11E-15	5.85E-01	9.83E-01	3.76E-01
178.93399	154.62	10.10	18.01	17.87	15.68	2.80E-47	5.11E-15	5.11E-15	1.13E-14	9.89E-01	2.08E-05	6.61E-05
178.94207	91.97	19.83	19.72	20.32	20.45	6.32E-10	7.77E-01	1.96E-04	4.14E-06	5.66E-06	9.32E-08	7.48E-01
178.97271	129.52	15.35	13.83	14.04	14.76	5.38E-19	4.39E-14	1.70E-13	2.91E-03	5.92E-01	6.81E-07	1.47E-04

178.99376	162.67	17.94	18.98	18.94	19.35	9.19E-18	8.18E-11	2.75E-10	4.31E-14	9.93E-01	7.56E-02	3.68E-02
179.00752	38.82	17.60	16.88	17.24	17.34	2.96E-04	7.73E-05	1.12E-01	3.89E-01	1.32E-01	3.90E-02	9.39E-01
179.02165	21.51	14.74	14.00	12.85	14.49	4.23E-02	7.05E-01	3.35E-02	9.85E-01	3.78E-01	9.07E-01	1.15E-01
179.03498	141.32	16.53	16.23	16.21	16.22	7.91E-03	3.20E-02	1.71E-02	3.08E-02	9.98E-01	1.00E+00	1.00E+00
179.04631	201.48	16.28	14.50	13.92	14.72	9.76E-14	1.74E-08	1.16E-13	1.74E-06	2.00E-01	8.89E-01	4.21E-02
179.05636	23.42	23.50	23.95	23.66	23.58	5.80E-03	3.39E-03	6.03E-01	9.18E-01	1.25E-01	4.02E-02	9.49E-01
179.06565	211.59	14.81	9.81	9.32	9.69	3.63E-15	8.69E-11	8.11E-13	9.85E-11	9.01E-01	9.99E-01	9.55E-01
179.0713	289.78	16.67	16.21	16.46	16.50	1.21E-02	4.96E-03	4.08E-01	6.50E-01	2.80E-01	1.70E-01	9.88E-01
179.0714	179.44	17.25	16.83	16.99	17.24	6.25E-06	2.99E-05	2.30E-02	1.00E+00	2.78E-01	1.34E-04	4.71E-02
179.09391	233.15	17.92	14.67	14.80	14.64	8.07E-07	1.89E-05	3.60E-05	2.71E-05	9.98E-01	1.00E+00	9.96E-01
179.10775	176.94	16.42	15.12	15.18	15.43	1.84E-11	5.47E-10	2.34E-09	5.40E-06	9.90E-01	4.15E-01	5.96E-01
179.1078	112.25	17.06	15.12	15.91	16.47	2.75E-19	4.17E-14	1.80E-08	1.30E-02	3.78E-04	7.11E-10	2.44E-02
179.94164	91.16	14.13	13.47	13.89	14.40	8.04E-04	1.56E-02	6.92E-01	6.13E-01	2.40E-01	4.32E-04	1.16E-01
179.94442	127.87	15.34	14.60	14.48	15.46	2.10E-09	1.34E-04	5.10E-06	8.84E-01	9.06E-01	1.62E-05	5.75E-07
180.0302	166.47	16.27	15.01	15.21	15.77	4.86E-21	4.09E-14	5.15E-14	6.68E-04	3.86E-01	1.35E-07	1.51E-04
180.04139	290.89	17.23	16.97	16.72	16.74	6.28E-05	1.45E-01	1.55E-04	5.12E-04	1.65E-01	2.48E-01	9.99E-01
180.0415	106.99	17.04	15.03	15.65	16.05	3.55E-39	5.11E-15	1.27E-14	4.91E-13	9.27E-06	8.50E-13	1.01E-02
180.05273	56.1	13.80	15.66	16.49	14.81	8.14E-09	8.71E-05	3.75E-09	9.34E-02	2.14E-01	2.19E-01	9.28E-04
180.05971	27.79	19.16	19.57	19.27	19.19	3.69E-02	3.57E-02	8.74E-01	9.98E-01	2.20E-01	7.90E-02	9.47E-01
180.06678	27.79	21.68	21.10	21.37	21.43	3.00E-08	3.28E-09	2.69E-03	2.86E-02	1.98E-02	3.90E-03	9.28E-01
180.07781	284.98	17.56	16.28	16.42	16.42	9.66E-14	6.43E-12	7.27E-10	2.91E-09	8.32E-01	8.40E-01	1.00E+00
180.07793	83.44	17.12	14.93	15.10	15.89	8.24E-34	5.11E-15	5.33E-15	1.13E-11	7.35E-01	2.93E-07	2.72E-05
180.08762	276.82	18.11	16.52	16.54	17.11	2.42E-30	6.00E-15	6.00E-15	7.88E-12	9.99E-01	1.54E-04	2.08E-04
180.10299	143.14	15.62	14.42	14.53	14.72	1.10E-16	4.97E-14	8.33E-13	9.29E-09	8.39E-01	1.59E-01	5.66E-01
180.9219	30.51	14.91	13.95	13.74	14.37	1.53E-15	1.44E-10	4.97E-14	8.07E-04	4.25E-01	2.09E-02	9.19E-05
180.92615	160.05	18.26	16.53	16.01	17.27	1.66E-43	5.11E-15	5.11E-15	1.83E-11	7.75E-04	1.03E-06	4.24E-14
180.9311	32.83	19.91	20.03	19.91	19.81	8.85E-01	9.65E-01	1.00E+00	9.82E-01	9.70E-01	8.49E-01	9.81E-01
180.94039	122.5	16.80	16.33	16.28	16.94	2.94E-05	1.45E-02	4.68E-03	8.14E-01	9.89E-01	1.38E-03	3.80E-04
180.9521	150.35	15.60	16.19	16.00	15.91	1.12E-04	3.82E-05	9.99E-03	8.39E-02	4.56E-01	1.68E-01	9.16E-01
180.97315	44.79	24.15	25.24	25.32	25.16	1.08E-38	5.11E-15	5.11E-15	6.22E-15	7.59E-01	7.57E-01	2.08E-01
180.98935	146.18	14.96	14.23	14.15	14.48	8.48E-10	1.25E-07	3.66E-09	1.42E-03	9.37E-01	2.33E-01	6.58E-02
181.00945	173.15	16.03	14.58	14.06	14.60	5.18E-15	9.04E-09	4.87E-14	3.52E-08	1.12E-01	1.00E+00	1.04E-01
181.01421	139	15.59	15.07	15.25	15.20	7.73E-05	4.25E-05	1.43E-02	5.07E-03	4.04E-01	6.95E-01	9.75E-01
181.02556	136.12	14.77	14.19	14.07	14.37	9.57E-05	1.81E-03	7.82E-05	6.81E-02	8.80E-01	7.10E-01	2.76E-01
181.02904	18.91	17.47	17.95	17.91	17.54	5.05E-10	7.45E-08	1.16E-06	7.94E-01	9.38E-01	2.55E-05	2.37E-04
181.03862	23.76	16.93	16.84	16.73	17.24	2.44E-02	9.53E-01	5.87E-01	2.46E-01	8.93E-01	9.82E-02	1.46E-02
181.05094	19.84	16.47	16.48	16.68	16.97	7.92E-05	1.00E+00	2.61E-01	1.49E-04	3.23E-01	3.18E-04	6.51E-02
181.05191	290.77	18.84	16.88	16.75	16.72	1.33E-38	5.11E-15	5.11E-15	5.11E-15	8.35E-01	7.23E-01	9.95E-01
181.0634	22.85	22.25	22.01	21.92	21.65	2.50E-03	4.07E-01	1.33E-01	8.69E-04	9.35E-01	1.07E-01	3.16E-01
181.07235	177.26	17.71	15.99	15.86	15.84	1.69E-23	4.37E-14	4.36E-14	4.42E-14	8.96E-01	8.65E-01	1.00E+00
181.08127	204.6	14.25	8.39	7.82	8.61	4.69E-44	5.11E-15	5.11E-15	5.11E-15	5.07E-01	9.52E-01	2.35E-01
181.08694	290.44	17.87	17.29	17.42	17.51	5.43E-07	3.72E-07	9.89E-05	4.63E-03	6.15E-01	1.84E-01	8.33E-01
181.12338	179.46	16.12	15.22	15.35	15.77	2.43E-11	2.07E-10	4.15E-08	4.22E-02	7.57E-01	4.36E-04	1.15E-02
181.1347	34.75	13.48	14.08	11.50	12.19	7.69E-65	5.90E-07	5.11E-15	1.62E-14	5.11E-15	5.11E-15	3.64E-08
181.15971	189.77	15.58	14.63	14.63	14.67	3.20E-22	4.11E-14	4.43E-14	4.34E-14	1.00E+00	9.81E-01	9.78E-01

181.96622	24.8	23.56	23.09	23.05	23.25	1.22E-04	7.55E-04	2.17E-04	6.17E-02	9.93E-01	5.95E-01	4.23E-01
181.97644	38.88	18.91	20.02	20.09	19.96	4.48E-39	5.11E-15	5.11E-15	5.33E-15	8.17E-01	8.96E-01	4.01E-01
182.00948	145.89	15.64	14.68	14.61	14.52	8.16E-12	2.46E-01	5.37E-01	3.55E-03	9.53E-01	3.80E-01	1.47E-01
182.00948	290.35	16.36	15.87	16.01	15.41	8.77E-03	6.16E-08	4.46E-09	7.90E-10	9.75E-01	7.94E-01	9.54E-01
182.01323	20.32	15.69	16.09	15.69	15.81	1.08E-01	1.27E-01	1.00E+00	9.26E-01	1.33E-01	4.50E-01	9.23E-01
182.0225	172.83	15.66	15.13	15.02	15.83	2.85E-04	5.64E-02	1.11E-02	8.60E-01	9.51E-01	9.19E-03	1.41E-03
182.04702	208.16	17.69	16.32	15.84	16.72	2.60E-10	2.48E-06	1.12E-10	2.34E-03	2.93E-01	4.63E-01	8.69E-03
182.0471	290.87	19.56	17.47	17.45	16.97	3.59E-50	5.11E-15	5.11E-15	5.11E-15	9.99E-01	3.85E-03	5.61E-03
182.05724	189.29	17.25	16.38	18.47	18.49	2.47E-03	5.02E-01	1.97E-01	2.15E-01	6.23E-03	8.20E-03	1.00E+00
182.0672	24.96	18.39	18.03	17.98	17.66	3.75E-04	1.23E-01	5.43E-02	9.96E-05	9.89E-01	1.32E-01	2.34E-01
182.07252	212.22	15.82	9.61	9.02	9.93	2.18E-39	5.11E-15	5.11E-15	5.33E-15	5.88E-01	9.13E-01	2.33E-01
182.08229	152.84	15.61	14.68	14.67	15.01	2.20E-11	1.17E-09	7.28E-10	2.34E-04	1.00E+00	1.12E-01	1.03E-01
182.09044	117.28	14.91	13.65	14.12	14.33	8.42E-15	4.33E-14	3.54E-07	4.30E-04	5.67E-03	4.99E-05	5.29E-01
182.11874	115.73	15.40	23.20	16.81	14.32	9.40E-92	5.11E-15	6.02E-07	3.39E-04	5.11E-15	5.11E-15	4.23E-14
182.91962	94.1	14.09	14.01	13.79	14.62	1.45E-03	9.83E-01	4.25E-01	5.27E-02	6.78E-01	2.49E-02	5.78E-04
182.92329	153.3	15.64	14.11	14.14	14.87	9.57E-13	8.44E-11	1.17E-10	3.28E-03	9.99E-01	4.90E-03	6.56E-03
182.93063	103.94	15.88	16.12	16.14	16.07	4.65E-01	5.59E-01	4.75E-01	7.30E-01	9.99E-01	9.95E-01	9.85E-01
182.96909	38.32	18.39	17.42	17.25	17.77	1.20E-08	2.50E-06	2.01E-08	7.21E-03	8.20E-01	2.85E-01	4.29E-02
182.97738	44.94	17.06	18.24	18.32	18.19	9.08E-40	5.11E-15	5.11E-15	5.11E-15	7.78E-01	9.44E-01	4.44E-01
182.98869	158.84	15.87	14.83	14.60	14.91	4.10E-17	1.69E-11	4.37E-14	1.39E-09	3.78E-01	9.46E-01	1.50E-01
182.99076	26.88	15.50	15.02	14.83	15.27	3.13E-05	4.82E-03	2.18E-05	4.17E-01	5.61E-01	3.24E-01	1.63E-02
183.00654	159.1	15.03	14.64	14.63	14.73	1.12E-02	2.19E-02	1.84E-02	1.43E-01	1.00E+00	9.14E-01	9.00E-01
183.01651	25.56	16.16	13.30	13.53	15.66	1.96E-16	1.16E-12	3.44E-11	5.33E-01	9.27E-01	2.47E-08	4.30E-07
183.02759	43.64	15.77	15.84	16.27	16.24	9.96E-07	9.18E-01	3.13E-05	2.26E-04	7.29E-04	3.41E-03	9.91E-01
183.03002	161.25	15.27	14.16	13.67	14.00	2.23E-16	1.57E-08	4.27E-14	2.60E-10	3.52E-02	8.23E-01	2.85E-01
183.03579	24.32	15.08	14.56	14.18	15.01	3.98E-03	2.31E-01	5.09E-03	9.95E-01	5.02E-01	4.04E-01	1.92E-02
183.04114	116.39	15.10	14.26	14.07	15.04	1.06E-13	1.92E-07	1.21E-10	9.82E-01	5.99E-01	4.92E-06	8.07E-09
183.05253	204.94	14.21	11.98	9.51	10.99	5.52E-07	3.43E-02	1.46E-07	9.50E-04	1.88E-02	6.66E-01	3.15E-01
183.06057	160.16	16.60	15.89	15.85	16.00	2.97E-10	3.72E-08	5.36E-09	7.51E-06	9.91E-01	8.12E-01	6.41E-01
183.06755	285.27	20.42	18.60	18.85	18.95	1.56E-29	5.77E-15	3.09E-14	4.31E-14	3.40E-01	9.90E-02	8.98E-01
183.06974	29.76	14.61	15.54	15.25	15.20	3.85E-05	1.52E-05	4.73E-03	1.71E-02	4.69E-01	3.34E-01	9.92E-01
183.07747	289.79	15.55	16.22	16.49	16.42	3.30E-05	8.51E-03	6.62E-05	4.10E-04	6.10E-01	8.01E-01	9.92E-01
183.07753	161.87	15.54	14.52	14.36	14.74	1.33E-12	2.88E-09	6.00E-12	8.60E-06	7.70E-01	5.26E-01	9.82E-02
183.08222	277.94	17.18	17.30	17.27	16.49	2.41E-02	9.73E-01	9.88E-01	8.19E-02	1.00E+00	3.39E-02	4.18E-02
183.10259	261.3	20.77	18.46	18.60	18.72	6.68E-32	5.33E-15	7.99E-15	3.11E-14	8.74E-01	5.44E-01	9.30E-01
183.12209	56.93	8.64	19.73	10.37	7.50	5.63E-73	5.11E-15	1.06E-03	7.62E-02	5.11E-15	5.11E-15	5.51E-08
183.139	210.8	18.07	17.12	16.96	17.35	7.79E-15	9.39E-11	8.17E-14	2.49E-06	6.49E-01	3.43E-01	2.67E-02
183.96334	24.93	21.82	21.28	21.25	21.47	1.08E-05	8.86E-05	3.04E-05	3.04E-02	9.97E-01	4.41E-01	3.24E-01
184.00191	52.66	16.55	15.91	15.57	15.33	1.58E-04	9.44E-02	2.39E-03	1.51E-04	6.34E-01	2.02E-01	8.41E-01
184.01989	16.91	13.82	11.65	11.24	12.54	1.12E-05	3.81E-04	1.23E-05	9.43E-02	8.78E-01	3.86E-01	9.39E-02
184.03816	289.11	18.91	18.42	17.74	19.14	3.25E-23	5.38E-04	4.40E-14	2.58E-01	1.23E-06	4.61E-07	3.26E-14
184.03819	162.75	19.96	18.70	18.40	19.51	5.35E-09	1.02E-05	2.48E-08	3.17E-01	6.73E-01	1.62E-02	3.16E-04
184.03852	20.02	19.62	19.18	18.97	19.63	1.42E-23	6.71E-10	4.33E-14	1.00E+00	1.18E-02	2.77E-09	4.31E-14
184.05179	216.76	15.24	8.05	8.81	8.81	4.51E-33	5.11E-15	1.02E-14	1.73E-14	5.27E-01	5.59E-01	1.00E+00
184.05965	29.56	19.05	18.27	18.66	18.19	1.78E-07	6.76E-06	5.69E-02	1.04E-06	7.24E-02	9.58E-01	2.18E-02

184.06279	291.62	21.36	19.26	19.50	19.32	6.54E-49	5.11E-15	5.11E-15	5.11E-15	2.25E-01	9.56E-01	5.33E-01
184.07313	30	22.13	22.22	22.18	21.76	8.45E-03	9.16E-01	9.86E-01	4.76E-02	9.91E-01	9.90E-03	2.21E-02
184.08815	211.77	15.23	9.76	9.93	10.09	7.56E-44	5.11E-15	5.11E-15	5.11E-15	9.67E-01	8.16E-01	9.72E-01
184.09791	176.73	16.37	15.97	16.17	16.22	2.67E-02	1.23E-02	3.85E-01	6.54E-01	4.55E-01	2.78E-01	9.82E-01
184.10598	187.6	16.88	15.49	15.52	16.02	2.88E-20	4.50E-14	4.29E-14	2.02E-07	9.95E-01	3.69E-03	7.16E-03
184.90861	90.35	15.09	15.35	15.45	15.42	1.11E-03	3.89E-02	1.54E-03	6.45E-03	7.71E-01	9.15E-01	9.92E-01
184.9261	53.04	19.83	17.62	20.70	20.49	7.07E-62	5.11E-15	3.16E-09	1.94E-05	5.11E-15	5.11E-15	4.56E-01
184.94995	174.86	14.65	14.13	13.92	14.22	7.56E-03	7.45E-02	3.96E-03	2.06E-01	7.77E-01	9.79E-01	5.47E-01
184.96014	30.58	15.13	14.15	14.45	13.97	4.86E-05	7.37E-04	3.30E-02	6.43E-05	6.55E-01	9.03E-01	2.68E-01
184.96669	29.11	15.80	15.68	15.42	15.85	4.75E-01	9.73E-01	5.47E-01	9.98E-01	8.23E-01	9.37E-01	4.80E-01
184.9859	26.11	19.78	22.51	22.18	22.14	7.09E-22	4.20E-14	4.40E-14	6.53E-14	6.35E-01	5.67E-01	9.99E-01
185.00387	24.29	15.06	16.14	16.25	16.06	1.96E-06	7.05E-05	7.07E-06	4.61E-04	9.68E-01	9.87E-01	8.60E-01
185.00692	39.09	15.23	14.83	15.02	14.96	5.88E-01	5.21E-01	8.89E-01	8.02E-01	9.18E-01	9.76E-01	9.97E-01
185.01242	74.86	13.57	13.74	13.89	14.46	4.69E-01	9.92E-01	9.38E-01	4.14E-01	9.92E-01	6.11E-01	7.70E-01
185.02032	294.33	14.74	16.31	16.96	16.96	1.18E-18	7.15E-09	4.37E-14	4.65E-14	5.02E-02	6.62E-02	1.00E+00
185.02249	22.59	17.19	17.21	16.52	17.05	1.18E-04	9.99E-01	3.75E-04	8.47E-01	3.37E-04	7.86E-01	1.33E-02
185.04678	290.12	18.32	17.09	16.90	16.64	3.81E-23	3.54E-13	4.44E-14	3.55E-14	6.45E-01	3.10E-02	3.55E-01
185.05683	145.56	15.68	14.66	14.53	15.32	1.14E-16	1.12E-11	6.22E-14	4.66E-02	7.86E-01	5.51E-05	6.63E-07
185.05701	20.1	17.34	17.66	17.93	18.43	7.61E-06	3.97E-01	1.95E-02	2.46E-06	5.61E-01	2.30E-03	9.07E-02
185.05788	290.42	17.45	16.40	16.47	16.79	2.69E-04	5.14E-04	1.20E-03	6.68E-02	9.94E-01	5.15E-01	6.64E-01
185.06623	289.34	16.76	14.82	14.73	15.22	1.80E-08	6.81E-07	1.48E-07	1.89E-04	9.95E-01	7.08E-01	5.54E-01
185.07065	290.03	17.23	16.49	15.95	16.21	6.27E-05	4.38E-02	3.83E-05	2.55E-03	2.31E-01	7.72E-01	8.13E-01
185.07638	27.77	25.91	26.10	26.15	25.72	2.03E-02	5.46E-01	3.48E-01	5.46E-01	9.90E-01	5.50E-02	2.30E-02
185.08302	289.66	19.97	17.37	16.27	17.26	2.13E-17	1.52E-09	4.44E-14	8.46E-10	3.23E-02	9.93E-01	7.67E-02
185.09316	189.33	15.87	15.70	15.64	16.17	1.06E-04	4.57E-01	1.73E-01	6.34E-02	9.46E-01	9.88E-04	1.03E-04
185.11177	198.55	16.45	15.78	15.94	15.79	1.28E-03	2.76E-03	3.33E-02	4.71E-03	8.52E-01	1.00E+00	8.89E-01
185.11828	263.42	19.35	19.01	19.16	19.03	8.95E-02	1.03E-01	5.74E-01	1.47E-01	7.49E-01	1.00E+00	8.20E-01
185.1185	24.23	17.70	17.03	16.53	17.04	3.36E-17	3.73E-07	4.40E-14	9.64E-07	3.37E-04	1.00E+00	4.16E-04
185.15464	262.5	18.20	17.47	17.42	17.66	1.16E-14	1.34E-11	3.62E-13	1.34E-06	9.54E-01	2.51E-01	8.48E-02
185.95907	26.22	16.44	15.58	15.49	15.78	5.26E-12	3.00E-09	4.36E-11	1.39E-05	9.15E-01	4.67E-01	1.55E-01
185.99416	24.34	15.13	12.42	11.99	14.71	1.15E-19	4.67E-12	4.24E-14	6.72E-01	6.51E-01	2.54E-08	3.01E-11
186.03565	20.52	17.77	17.36	17.23	17.60	7.10E-10	5.40E-06	1.54E-09	1.64E-01	4.49E-01	3.07E-02	1.91E-04
186.03971	29.51	19.68	19.40	19.84	19.56	1.43E-02	1.51E-01	6.52E-01	7.87E-01	8.48E-03	6.90E-01	1.86E-01
186.04213	291.7	17.86	16.50	16.35	16.12	2.37E-23	6.39E-14	4.31E-14	3.80E-14	8.22E-01	1.18E-01	4.99E-01
186.06734	286.22	16.81	16.04	16.13	16.23	1.57E-03	2.11E-03	7.95E-03	4.61E-02	9.76E-01	8.17E-01	9.63E-01
186.07175	61.73	15.70	13.35	14.37	14.80	3.16E-16	4.22E-14	9.65E-07	2.66E-03	4.49E-04	5.44E-07	3.55E-01
186.07855	253.58	22.07	21.30	21.52	21.45	2.76E-06	2.74E-06	1.24E-03	3.95E-04	4.74E-01	7.62E-01	9.75E-01
186.08258	29.85	15.29	14.87	14.77	14.23	2.66E-06	1.04E-01	2.41E-02	4.00E-07	9.51E-01	6.82E-03	3.01E-02
186.08612	208.01	16.38	15.72	15.21	15.90	2.38E-03	1.38E-01	8.06E-04	4.33E-01	3.56E-01	9.38E-01	1.30E-01
186.10014	36.63	15.26	15.26	15.31	14.85	1.44E-01	1.00E+00	9.96E-01	2.24E-01	9.96E-01	2.51E-01	1.58E-01
186.11355	175.12	18.73	18.06	18.23	18.36	2.50E-09	1.30E-09	5.85E-06	1.82E-03	3.61E-01	3.19E-02	6.37E-01
186.12163	201.94	17.40	16.60	16.46	17.25	1.84E-11	4.53E-07	2.23E-09	7.48E-01	7.95E-01	1.50E-04	2.32E-06
186.50284	276.36	19.21	18.86	19.16	18.54	1.18E-02	3.46E-01	9.95E-01	1.40E-02	5.06E-01	5.13E-01	3.25E-02
186.91831	38.3	17.94	16.79	17.38	16.86	1.53E-05	3.92E-05	1.06E-01	2.18E-04	9.84E-02	9.92E-01	2.02E-01
186.92436	67.16	16.23	16.21	17.12	16.84	2.10E-33	9.79E-01	5.77E-15	1.89E-13	5.77E-15	1.00E-13	1.23E-03

186.92961	40.61	18.10	18.43	18.74	18.32	3.85E-05	5.57E-02	9.38E-06	3.56E-01	1.02E-01	8.48E-01	1.32E-02
186.93907	42.08	18.57	19.32	19.47	19.34	7.01E-23	4.46E-14	3.73E-14	4.75E-14	3.15E-01	9.98E-01	4.31E-01
186.96587	27.75	14.66	13.80	12.40	13.27	8.97E-09	6.40E-02	1.85E-09	6.84E-04	5.76E-04	4.70E-01	7.93E-02
187.00175	22.54	19.19	20.19	20.23	19.94	2.23E-16	2.92E-13	7.17E-14	7.77E-08	9.93E-01	2.23E-01	1.28E-01
187.0073	22.54	16.16	17.87	15.66	17.46	1.13E-07	1.65E-04	5.94E-01	9.42E-03	9.86E-07	7.65E-01	1.53E-04
187.00963	189.17	15.08	14.29	15.08	13.92	1.85E-04	4.30E-02	1.00E+00	1.09E-03	5.23E-02	6.39E-01	1.54E-03
187.02446	157.06	13.44	14.75	15.01	14.83	7.77E-07	1.47E-04	2.57E-06	8.04E-05	8.35E-01	9.95E-01	9.41E-01
187.03834	18.25	16.41	16.64	16.71	16.49	2.57E-02	1.49E-01	2.69E-02	8.97E-01	9.14E-01	5.43E-01	1.98E-01
187.04094	290.81	14.01	18.55	17.40	15.11	5.85E-57	5.11E-15	5.11E-15	1.03E-05	3.91E-06	5.11E-15	4.22E-14
187.06228	285.82	20.01	18.39	18.68	18.31	4.70E-26	3.60E-14	4.32E-14	2.71E-14	2.49E-01	9.44E-01	8.41E-02
187.07278	18.57	16.47	16.48	16.50	16.86	8.15E-03	1.00E+00	9.95E-01	1.32E-02	9.97E-01	1.87E-02	3.10E-02
187.07349	294.47	19.88	17.40	17.72	17.62	1.26E-53	5.11E-15	5.11E-15	5.11E-15	8.20E-02	3.57E-01	9.06E-01
187.08069	29.32	19.28	19.27	19.24	18.75	2.32E-03	1.00E+00	9.92E-01	4.31E-03	9.96E-01	6.86E-03	1.24E-02
187.08173	290.97	18.80	17.11	16.93	17.24	9.77E-42	5.11E-15	5.11E-15	5.33E-15	4.64E-01	7.43E-01	7.20E-02
187.1088	139.04	15.67	14.09	14.32	14.51	1.07E-25	1.35E-14	4.37E-14	1.25E-13	3.78E-01	2.04E-02	5.17E-01
187.10901	19.5	16.72	16.33	16.32	16.38	1.98E-04	9.62E-04	7.02E-04	8.29E-03	1.00E+00	9.57E-01	9.45E-01
187.11697	121.66	14.84	13.88	14.08	14.37	2.30E-06	1.94E-06	2.06E-04	6.25E-02	7.11E-01	5.35E-02	4.12E-01
187.13395	238.15	18.71	17.37	17.18	17.65	1.55E-15	1.77E-11	6.04E-14	2.29E-07	7.35E-01	4.60E-01	6.64E-02
187.99676	37.72	16.78	15.65	15.79	15.54	2.14E-06	4.65E-05	4.66E-04	1.27E-05	9.37E-01	9.79E-01	7.66E-01
188.00151	27.04	16.36	14.93	14.72	15.55	1.41E-05	3.24E-04	1.97E-05	1.06E-01	9.31E-01	3.38E-01	1.05E-01
188.02142	21.84	17.55	17.24	17.28	17.61	6.75E-03	6.17E-02	1.16E-01	9.70E-01	9.92E-01	2.75E-02	5.44E-02
188.03537	27.56	14.35	12.49	13.59	14.23	3.56E-04	4.00E-04	3.35E-01	9.94E-01	9.18E-02	2.20E-03	5.34E-01
188.04623	31.36	17.33	15.04	15.28	15.15	4.94E-28	1.55E-14	4.04E-14	3.73E-14	6.22E-01	9.48E-01	9.23E-01
188.05767	288.2	20.24	18.88	19.17	18.37	1.80E-41	5.33E-15	4.25E-14	5.11E-15	4.65E-02	6.01E-05	9.71E-11
188.08311	61.61	15.30	13.93	14.09	14.91	3.97E-04	1.08E-03	4.76E-03	7.14E-01	9.71E-01	5.29E-02	1.38E-01
188.09319	20.63	16.71	16.38	16.49	16.77	8.10E-03	3.62E-02	2.68E-01	9.73E-01	8.09E-01	1.63E-02	1.42E-01
188.09409	290.9	20.08	17.95	18.39	18.37	1.43E-29	5.11E-15	4.29E-14	4.34E-14	4.55E-02	8.49E-02	9.98E-01
188.10089	176.68	18.81	18.03	18.48	18.44	2.19E-05	3.69E-06	1.21E-01	7.97E-02	2.28E-02	5.79E-02	9.94E-01
188.13735	143.21	15.21	14.24	14.21	14.15	1.61E-09	7.34E-07	2.08E-07	1.32E-07	9.97E-01	9.67E-01	9.92E-01
188.91547	32.63	16.51	15.01	15.30	15.64	1.44E-09	1.60E-09	1.17E-06	1.42E-03	5.81E-01	4.19E-02	4.78E-01
188.93941	92.2	18.32	10.32	11.14	10.93	1.14E-33	5.11E-15	9.10E-15	1.02E-14	5.56E-01	7.79E-01	9.88E-01
188.98084	61.81	18.20	18.95	19.82	19.50	3.46E-41	3.50E-12	5.11E-15	5.11E-15	4.97E-14	2.13E-06	1.09E-02
188.98668	18.94	19.25	19.91	19.43	19.38	1.18E-01	9.12E-02	9.11E-01	9.71E-01	3.51E-01	2.81E-01	9.97E-01
188.99991	41.11	16.49	14.60	14.35	15.71	1.16E-19	9.57E-14	4.46E-14	5.22E-03	7.02E-01	3.48E-05	1.89E-07
189.00413	17.13	20.96	21.00	20.62	21.27	1.66E-08	9.66E-01	1.97E-03	8.76E-03	5.27E-04	4.15E-02	2.15E-09
189.01707	43.38	16.62	20.04	15.88	15.94	3.78E-56	5.11E-15	2.07E-03	9.24E-03	5.11E-15	5.11E-15	9.89E-01
189.03458	20.86	15.25	15.56	14.98	15.79	5.32E-02	7.24E-01	7.92E-01	2.84E-01	2.22E-01	8.79E-01	4.55E-02
189.0408	17.15	19.67	19.95	19.88	20.03	4.20E-04	7.34E-03	5.88E-02	2.97E-04	8.85E-01	7.83E-01	3.47E-01
189.04135	182.42	17.61	17.33	17.28	17.06	4.81E-03	2.41E-01	1.06E-01	1.92E-03	9.82E-01	2.95E-01	4.93E-01
189.04181	289.76	17.75	16.94	17.61	17.00	4.93E-04	2.85E-03	9.29E-01	8.68E-03	2.35E-02	9.95E-01	5.45E-02
189.05207	19.34	15.36	16.64	16.56	16.58	1.62E-24	4.09E-14	4.42E-14	4.37E-14	9.06E-01	9.67E-01	9.97E-01
189.06702	53.29	18.21	19.47	20.61	19.96	3.27E-20	6.26E-07	3.91E-14	1.38E-11	1.12E-05	1.84E-01	3.34E-02
189.06705	186.2	15.67	15.30	14.89	15.88	1.11E-05	2.35E-01	4.50E-04	7.18E-01	1.71E-01	2.71E-02	1.41E-05
189.07802	249.47	20.68	18.25	18.37	18.71	3.54E-49	5.11E-15	5.11E-15	5.11E-15	8.47E-01	1.04E-02	8.64E-02
189.08848	22.61	16.34	16.05	15.99	15.95	5.44E-02	2.30E-01	1.08E-01	6.66E-02	9.86E-01	9.30E-01	9.92E-01

189.0894	289.08	16.67	13.64	13.94	14.15	3.61E-13	1.36E-11	7.56E-10	3.91E-08	8.84E-01	6.42E-01	9.65E-01
189.09647	193.85	14.96	15.33	15.21	14.91	1.06E-01	2.13E-01	5.47E-01	9.92E-01	9.27E-01	1.52E-01	4.21E-01
189.11325	124.56	16.78	16.30	16.61	16.34	1.18E-03	2.25E-03	5.54E-01	8.94E-03	1.14E-01	9.90E-01	2.40E-01
189.12455	70.42	15.09	14.83	15.22	14.99	4.93E-01	7.32E-01	9.53E-01	9.81E-01	4.28E-01	9.29E-01	8.21E-01
189.12877	25.53	16.42	14.29	15.48	16.99	2.80E-09	1.40E-06	8.03E-02	5.12E-01	2.12E-02	5.46E-09	2.01E-03
189.97593	81.38	14.22	13.90	13.37	13.76	1.90E-01	8.46E-01	1.29E-01	6.61E-01	5.47E-01	9.86E-01	7.78E-01
189.98939	23.88	17.97	17.21	17.01	17.64	1.72E-09	5.74E-06	3.93E-09	1.49E-01	5.43E-01	3.60E-02	4.33E-04
190.00776	20.88	16.38	16.30	16.06	16.53	5.10E-03	9.24E-01	5.54E-02	6.44E-01	2.47E-01	3.09E-01	2.50E-03
190.01833	26.28	17.16	16.40	16.66	16.99	2.89E-05	3.08E-05	1.09E-02	7.57E-01	4.12E-01	3.51E-03	1.95E-01
190.03674	17.14	16.75	18.63	18.59	18.18	9.77E-32	5.33E-15	5.77E-15	4.13E-14	9.94E-01	2.18E-02	4.15E-02
190.04385	22.97	16.03	16.68	16.52	16.54	3.91E-03	3.32E-03	4.27E-02	4.25E-02	8.34E-01	8.88E-01	1.00E+00
190.05097	160.5	15.84	14.79	14.71	14.89	8.05E-14	1.43E-10	4.91E-12	2.11E-08	9.63E-01	9.01E-01	6.49E-01
190.05464	20.93	19.28	18.48	18.82	19.01	7.52E-09	1.56E-09	9.77E-04	1.29E-01	2.98E-02	2.76E-04	4.56E-01
190.06214	289.85	17.55	16.78	16.88	16.71	4.99E-11	1.23E-08	8.97E-07	1.97E-09	8.26E-01	9.64E-01	5.51E-01
190.07319	287.18	19.43	17.01	16.87	16.64	1.29E-24	4.17E-14	4.11E-14	3.91E-14	9.51E-01	5.11E-01	8.18E-01
190.09876	210.51	15.59	10.14	10.75	10.43	1.63E-30	6.22E-15	2.95E-14	2.04E-14	5.46E-01	9.33E-01	8.99E-01
190.10998	211.81	15.18	9.22	9.09	9.48	1.88E-28	2.60E-14	1.64E-14	3.97E-14	9.95E-01	9.67E-01	8.97E-01
190.9551	40.67	18.29	18.27	17.53	18.09	3.62E-02	1.00E+00	4.21E-02	9.09E-01	6.11E-02	9.37E-01	2.49E-01
190.97292	26.17	16.60	15.75	16.09	15.71	9.46E-14	2.09E-11	6.72E-05	8.36E-12	2.39E-02	9.88E-01	1.09E-02
190.97898	81.67	13.73	12.71	13.89	13.40	7.28E-05	6.29E-04	9.26E-01	6.08E-01	7.63E-05	5.69E-02	2.80E-01
191.01994	21.68	25.52	27.31	27.74	27.49	6.83E-47	5.11E-15	5.11E-15	5.11E-15	6.11E-03	5.35E-01	2.46E-01
191.03505	139.62	14.81	14.24	14.03	14.28	6.04E-06	1.26E-03	2.98E-06	4.20E-03	5.33E-01	9.95E-01	4.06E-01
191.03588	30.22	15.49	15.34	15.53	14.90	7.26E-03	8.57E-01	9.95E-01	1.37E-02	7.45E-01	1.23E-01	8.19E-03
191.05626	19.38	16.58	16.19	16.26	16.18	3.24E-01	3.87E-01	5.51E-01	3.93E-01	9.93E-01	1.00E+00	9.91E-01
191.05716	284.38	18.69	17.71	17.83	17.55	4.92E-19	1.27E-13	2.68E-11	4.42E-14	7.58E-01	5.63E-01	1.07E-01
191.0673	19.72	14.80	14.89	14.67	14.29	6.39E-01	9.97E-01	9.92E-01	7.12E-01	9.65E-01	6.14E-01	8.68E-01
191.0714	154.04	15.82	14.37	14.55	15.00	2.94E-17	4.24E-14	5.14E-13	6.90E-06	6.82E-01	1.50E-03	4.21E-02
191.07544	148.02	15.96	14.69	14.60	15.41	1.29E-15	6.95E-12	1.94E-13	9.39E-03	9.52E-01	3.75E-04	3.78E-05
191.09381	281.65	18.23	16.51	16.91	17.09	1.91E-26	6.00E-15	4.13E-14	7.71E-13	2.77E-02	6.57E-04	6.12E-01
191.09395	90.13	16.48	14.46	14.95	15.37	1.57E-32	5.11E-15	3.02E-14	4.05E-12	5.41E-03	4.00E-08	2.61E-02
191.10774	259.41	17.75	17.50	17.60	17.68	2.13E-01	1.67E-01	6.21E-01	9.43E-01	8.29E-01	4.93E-01	9.34E-01
191.18058	231.54	19.85	18.60	19.44	19.79	1.84E-28	5.77E-15	3.98E-04	9.43E-01	1.56E-13	2.22E-14	6.34E-03
191.98633	19.87	15.83	13.23	13.07	14.75	3.05E-11	1.18E-08	1.05E-09	5.90E-02	9.83E-01	3.35E-03	8.34E-04
191.99496	26.46	23.67	23.77	23.84	23.38	2.25E-04	7.47E-01	3.29E-01	3.40E-02	9.12E-01	2.13E-03	1.59E-04
192.01827	58.04	15.77	13.15	13.82	15.83	6.35E-26	3.94E-14	1.92E-12	9.96E-01	5.11E-02	4.42E-14	6.15E-12
192.02332	20.29	21.38	23.16	23.85	23.42	1.52E-47	5.11E-15	5.11E-15	5.11E-15	7.97E-06	2.62E-01	1.56E-02
192.03037	135.14	14.83	13.35	12.77	14.35	1.10E-18	8.19E-10	4.46E-14	1.49E-01	4.31E-02	1.36E-04	2.58E-10
192.03049	17.68	13.44	9.86	9.95	11.37	2.40E-19	4.46E-14	4.34E-14	2.60E-06	9.95E-01	1.58E-03	3.20E-03
192.03378	18.45	16.60	16.63	16.13	17.32	2.70E-05	9.99E-01	1.43E-01	1.15E-02	1.24E-01	2.15E-02	4.87E-06
192.04147	291.49	16.18	16.26	16.38	15.84	7.20E-02	9.79E-01	7.54E-01	3.36E-01	9.40E-01	1.87E-01	5.00E-02
192.05162	170.67	17.32	17.02	16.97	17.47	5.74E-03	2.14E-01	1.06E-01	7.86E-01	9.90E-01	3.24E-02	1.26E-02
192.06662	285.87	16.74	16.88	16.73	16.92	4.70E-01	7.55E-01	1.00E+00	6.20E-01	7.21E-01	9.95E-01	5.87E-01
192.06663	168.63	18.46	17.20	17.60	17.72	1.81E-24	7.55E-15	1.03E-13	3.07E-10	1.62E-03	3.36E-05	6.93E-01
192.07792	286.08	17.49	16.82	16.91	16.91	9.45E-06	2.96E-05	3.79E-04	5.70E-04	9.21E-01	9.38E-01	1.00E+00
192.08797	169.93	17.56	16.55	16.71	16.77	3.39E-13	3.14E-12	2.62E-09	1.08E-07	6.39E-01	3.84E-01	9.69E-01

192.09735	209.15	14.92	8.84	9.27	8.77	2.02E-23	4.31E-14	4.34E-14	4.45E-14	9.03E-01	1.00E+00	8.63E-01
192.10299	184.91	16.08	15.44	15.37	15.67	2.07E-05	2.54E-04	3.49E-05	4.93E-02	9.75E-01	4.82E-01	2.52E-01
192.11111	183.35	16.19	15.97	16.00	16.10	2.61E-03	3.55E-03	1.31E-02	4.91E-01	9.75E-01	2.28E-01	4.33E-01
192.18392	227.18	16.48	15.16	15.88	16.33	2.74E-21	3.79E-14	1.93E-05	6.45E-01	2.71E-07	4.47E-14	4.83E-03
192.95227	83.89	15.71	16.01	16.82	16.86	1.43E-22	5.14E-02	4.32E-14	4.33E-14	1.44E-09	9.62E-10	9.91E-01
192.95793	93.87	15.43	14.57	14.95	15.50	3.39E-13	1.40E-10	5.70E-04	9.40E-01	1.34E-02	4.54E-11	1.39E-04
192.99207	29.93	18.07	16.47	16.58	17.03	8.83E-20	4.26E-14	4.31E-14	3.14E-08	9.21E-01	9.77E-03	5.31E-02
192.99942	25.7	19.43	19.26	19.11	18.87	2.03E-05	4.12E-01	1.95E-02	7.42E-06	5.45E-01	4.65E-03	1.51E-01
193.00952	170.03	15.20	14.40	14.47	14.46	1.06E-08	2.01E-07	1.99E-06	3.77E-06	9.59E-01	9.72E-01	1.00E+00
193.01385	21.63	16.37	16.00	16.12	16.22	4.41E-02	2.77E-02	2.47E-01	7.15E-01	7.82E-01	3.63E-01	8.87E-01
193.02424	20.2	18.82	20.58	21.33	20.90	1.92E-45	6.00E-15	5.11E-15	5.11E-15	3.79E-06	1.49E-01	2.36E-02
193.03547	163.15	19.64	20.36	20.25	20.19	1.94E-03	2.23E-03	1.24E-02	4.19E-02	9.50E-01	8.42E-01	9.90E-01
193.05061	154.29	16.06	14.50	14.76	15.08	2.16E-15	5.28E-14	4.55E-11	1.67E-06	5.06E-01	1.65E-02	3.51E-01
193.06197	184.33	15.96	15.37	15.32	15.39	1.12E-07	8.75E-06	1.00E-06	3.64E-05	9.79E-01	9.98E-01	9.40E-01
193.07311	293.14	17.86	17.08	17.28	17.02	4.84E-12	1.14E-09	5.70E-06	1.41E-10	3.51E-01	9.55E-01	1.45E-01
193.08225	126.41	16.29	15.78	15.99	16.05	1.20E-04	2.88E-05	3.03E-02	1.34E-01	2.32E-01	9.47E-02	9.60E-01
193.08705	187.17	17.50	17.15	17.22	17.33	1.80E-02	1.55E-02	6.42E-02	4.66E-01	9.52E-01	4.80E-01	7.89E-01
193.1096	210.37	16.31	12.35	12.56	13.03	9.02E-46	5.11E-15	5.11E-15	5.11E-15	8.33E-01	3.78E-02	2.33E-01
193.12339	293.27	17.23	16.84	16.93	16.83	8.18E-04	2.17E-03	2.77E-02	2.79E-03	8.50E-01	1.00E+00	8.51E-01
193.99079	31.69	18.71	18.81	18.89	18.39	6.68E-05	8.03E-01	2.92E-01	1.59E-02	8.39E-01	1.18E-03	3.92E-05
193.99928	32.74	16.07	15.96	16.06	15.57	1.58E-05	7.38E-01	1.00E+00	3.36E-05	8.04E-01	2.57E-03	7.46E-05
194.01299	290.52	14.98	7.99	8.19	8.42	2.42E-47	5.11E-15	5.11E-15	5.11E-15	9.70E-01	7.84E-01	9.57E-01
194.01304	17.17	10.80	15.46	13.54	15.17	2.56E-09	1.56E-08	1.58E-03	2.43E-07	6.26E-02	9.85E-01	1.62E-01
194.02738	18.88	14.31	15.89	16.38	16.10	2.20E-27	4.37E-14	7.33E-15	4.20E-14	2.92E-02	6.63E-01	4.00E-01
194.03399	74.21	15.74	17.10	17.78	18.09	1.44E-29	9.41E-12	1.87E-14	5.33E-15	1.90E-03	3.89E-06	3.73E-01
194.03879	126.63	14.98	14.40	14.14	14.41	3.43E-07	4.87E-04	1.27E-07	1.06E-03	3.17E-01	1.00E+00	2.87E-01
194.04595	138.5	15.99	14.50	13.95	15.33	3.45E-29	4.36E-14	5.11E-15	3.45E-04	5.15E-03	9.27E-06	1.33E-13
194.05715	290.7	16.55	16.34	16.20	16.12	1.39E-01	6.78E-01	2.48E-01	1.34E-01	8.93E-01	7.18E-01	9.83E-01
194.05736	83	17.21	14.85	14.83	15.21	1.93E-35	5.11E-15	5.11E-15	2.86E-14	9.99E-01	2.22E-01	1.58E-01
194.08229	148.69	16.50	16.59	16.22	16.62	1.16E-01	9.58E-01	3.74E-01	9.12E-01	1.69E-01	9.98E-01	1.34E-01
194.10359	48.79	23.21	22.83	23.70	23.85	1.11E-19	1.27E-03	1.63E-05	2.51E-08	9.06E-14	4.54E-14	4.72E-01
194.90591	146.93	20.74	18.68	18.69	19.31	1.26E-21	4.31E-14	4.41E-14	1.37E-09	1.00E+00	2.71E-02	2.87E-02
194.93722	17.43	19.86	22.61	22.39	21.99	7.39E-32	5.11E-15	7.33E-15	4.42E-14	7.32E-01	3.05E-02	2.81E-01
194.94678	19.82	21.44	23.98	23.94	23.62	3.67E-28	1.62E-14	1.80E-14	4.29E-14	9.99E-01	4.32E-01	5.15E-01
194.96775	173.37	12.52	15.71	12.92	13.56	6.86E-04	5.55E-04	9.59E-01	5.84E-01	4.33E-03	5.79E-02	8.68E-01
194.98166	39.83	15.01	12.75	15.29	14.88	1.72E-09	2.24E-07	8.87E-01	9.90E-01	9.89E-09	4.16E-06	7.57E-01
194.98881	46.15	21.26	21.34	21.44	21.45	3.25E-01	8.97E-01	3.98E-01	3.83E-01	8.36E-01	8.11E-01	1.00E+00
195.02992	141.46	14.82	14.10	13.90	14.10	1.18E-06	3.11E-04	1.33E-06	3.99E-04	6.56E-01	1.00E+00	6.99E-01
195.03367	21.42	14.55	16.15	12.77	13.49	6.56E-16	1.21E-04	1.33E-05	2.84E-02	4.40E-14	4.44E-10	2.50E-01
195.04122	142.2	14.68	14.12	13.89	14.24	1.12E-07	1.69E-04	3.37E-08	6.36E-03	3.23E-01	8.32E-01	6.00E-02
195.05136	20.76	21.19	21.55	21.45	21.83	1.15E-08	1.16E-03	3.16E-02	1.59E-09	7.37E-01	2.37E-02	7.81E-04
195.06061	176.93	15.53	15.57	15.59	15.40	4.16E-01	9.82E-01	9.47E-01	7.06E-01	9.98E-01	5.02E-01	3.96E-01
195.06754	288.71	18.40	16.61	16.54	16.84	6.33E-37	5.11E-15	5.11E-15	1.62E-14	9.67E-01	3.65E-01	1.59E-01
195.07757	177.57	15.23	15.06	14.70	15.08	1.87E-04	4.92E-01	6.93E-05	6.17E-01	1.74E-02	9.99E-01	1.34E-02
195.08681	80.72	14.00	14.60	15.38	16.16	1.19E-13	9.70E-02	1.09E-06	1.94E-13	1.78E-02	1.81E-07	2.08E-02

195.10266	285.32	17.58	17.25	17.32	17.41	1.16E-03	8.11E-04	1.31E-02	2.31E-01	8.43E-01	2.65E-01	7.28E-01
195.10691	49.25	19.08	18.13	19.52	19.69	1.02E-27	3.25E-12	1.58E-03	1.11E-05	2.51E-14	7.33E-15	5.60E-01
195.13902	294.82	17.47	17.23	17.19	17.28	8.85E-02	1.68E-01	8.68E-02	4.05E-01	9.93E-01	9.71E-01	8.92E-01
195.90586	133.27	17.72	14.82	14.77	15.54	1.82E-40	5.11E-15	5.11E-15	3.31E-14	9.94E-01	3.05E-03	1.13E-03
195.99221	35.06	16.15	16.26	16.58	16.67	1.79E-02	9.38E-01	8.82E-02	3.28E-02	3.15E-01	1.49E-01	9.68E-01
196.00207	19.2	14.04	15.64	14.06	15.78	1.69E-05	2.04E-03	1.00E+00	9.15E-04	3.04E-03	9.90E-01	1.39E-03
196.02312	32.32	16.54	15.37	15.91	15.62	2.08E-06	1.35E-06	2.03E-02	3.10E-04	7.87E-02	7.16E-01	5.75E-01
196.02503	290.98	11.42	11.40	14.07	17.40	6.83E-29	1.00E+00	4.71E-07	7.11E-15	9.21E-07	9.77E-15	1.64E-09
196.0289	20.55	16.47	16.54	16.40	16.51	4.56E-01	8.45E-01	8.70E-01	9.67E-01	4.12E-01	9.88E-01	6.42E-01
196.03743	186.35	14.80	10.74	9.94	12.52	3.15E-20	8.44E-14	4.39E-14	4.65E-05	3.76E-01	3.31E-03	4.73E-06
196.04027	36.05	16.47	16.36	16.43	16.14	8.85E-02	8.48E-01	9.89E-01	7.27E-02	9.62E-01	3.80E-01	1.60E-01
196.04636	137	16.07	15.72	14.93	16.32	5.19E-27	8.34E-03	3.71E-14	1.29E-01	1.16E-10	3.12E-06	6.88E-15
196.05486	20.5	16.49	16.65	16.60	16.99	1.06E-04	4.48E-01	7.33E-01	4.40E-05	9.68E-01	1.34E-02	2.85E-03
196.0628	293.39	20.63	18.18	18.55	18.29	7.02E-53	5.11E-15	5.11E-15	5.11E-15	3.46E-02	8.48E-01	2.57E-01
196.0728	288.62	18.24	17.43	16.40	14.02	1.20E-13	3.56E-01	1.24E-03	1.07E-13	1.77E-01	2.86E-09	4.47E-05
196.07449	19.92	20.26	19.94	20.36	20.48	1.93E-07	2.28E-03	6.41E-01	6.82E-02	3.20E-05	1.35E-07	5.62E-01
196.09798	160.41	15.33	14.54	14.46	14.80	9.54E-12	4.41E-09	6.23E-11	2.55E-04	9.11E-01	1.73E-01	3.60E-02
196.10615	158.84	14.82	13.47	12.15	12.31	6.01E-16	2.13E-04	6.84E-14	3.65E-12	3.68E-04	3.71E-03	9.60E-01
196.1076	60.28	14.91	12.38	14.71	14.87	1.11E-16	7.05E-14	9.07E-01	9.99E-01	4.52E-12	1.10E-12	9.62E-01
196.13441	139.2	14.73	13.72	13.91	14.29	1.45E-08	2.28E-08	6.82E-06	4.98E-02	6.53E-01	6.15E-03	1.27E-01
196.90055	116.48	17.87	16.48	16.54	17.50	7.61E-11	1.24E-08	4.62E-08	3.79E-01	9.91E-01	1.13E-04	3.14E-04
196.91056	292.36	17.64	17.39	17.34	17.49	1.50E-01	2.89E-01	1.32E-01	7.28E-01	9.81E-01	9.07E-01	7.21E-01
196.92554	97.09	15.13	15.57	15.67	15.34	3.60E-01	5.41E-01	3.45E-01	9.26E-01	9.90E-01	9.10E-01	7.67E-01
196.93293	17.69	15.82	17.43	17.21	17.01	3.53E-25	1.78E-14	4.26E-14	1.51E-13	4.17E-01	2.91E-02	5.55E-01
196.9414	18.3	14.24	15.57	15.87	15.60	1.30E-12	3.31E-08	9.71E-12	3.82E-08	5.47E-01	9.99E-01	6.47E-01
196.94713	44.97	23.72	24.16	24.67	24.50	2.90E-36	2.77E-10	5.11E-15	9.55E-15	1.15E-12	9.81E-06	3.85E-02
196.95118	16.72	15.55	16.87	16.79	16.58	2.13E-11	5.71E-10	3.69E-09	3.26E-06	9.81E-01	4.83E-01	7.10E-01
196.96598	92.71	14.03	14.01	14.01	14.44	3.76E-01	1.00E+00	1.00E+00	4.60E-01	1.00E+00	4.57E-01	4.32E-01
196.99552	32.39	16.06	16.36	15.98	15.88	3.65E-02	2.64E-01	9.55E-01	6.97E-01	1.03E-01	2.91E-02	9.39E-01
197.00439	148.26	16.51	17.04	17.42	17.85	7.89E-16	1.65E-03	8.48E-09	4.29E-14	5.82E-02	1.54E-06	2.16E-02
197.02232	167.99	15.25	14.80	14.56	15.23	1.68E-06	1.00E-02	1.29E-05	1.00E+00	3.60E-01	2.25E-02	6.45E-05
197.02257	19.64	16.69	16.91	16.81	16.82	3.67E-01	2.85E-01	7.52E-01	7.27E-01	8.63E-01	9.05E-01	1.00E+00
197.0459	171.4	15.78	14.89	14.46	14.85	5.04E-11	9.43E-06	1.85E-11	6.84E-06	9.30E-02	9.98E-01	1.60E-01
197.04694	290.99	16.39	15.51	14.69	14.04	3.06E-08	9.38E-02	4.84E-05	2.96E-08	1.41E-01	1.47E-03	3.53E-01
197.05696	149.68	15.36	14.24	14.16	14.89	6.30E-13	7.87E-10	3.25E-11	3.22E-02	9.66E-01	1.44E-03	2.20E-04
197.05802	290.83	18.35	16.77	16.90	16.98	5.59E-24	3.90E-14	4.44E-14	4.44E-14	8.52E-01	5.82E-01	9.60E-01
197.06103	85.55	13.18	13.33	13.53	13.69	3.59E-01	9.53E-01	6.30E-01	3.28E-01	9.17E-01	6.57E-01	9.51E-01
197.06741	27.72	14.94	15.20	15.15	14.77	3.80E-01	7.61E-01	8.51E-01	9.15E-01	9.98E-01	4.02E-01	4.99E-01
197.07833	23.15	16.18	15.94	15.96	16.05	5.96E-01	6.06E-01	6.65E-01	9.11E-01	1.00E+00	9.53E-01	9.73E-01
197.08313	285.57	18.53	17.04	16.80	16.90	1.44E-24	4.33E-14	3.42E-14	4.50E-14	4.51E-01	8.45E-01	9.27E-01
197.09324	148.01	14.66	14.29	14.02	14.33	1.26E-04	4.06E-02	2.80E-05	9.28E-02	2.14E-01	9.94E-01	1.40E-01
197.09355	20.4	13.61	16.45	10.77	11.64	1.51E-60	1.58E-14	1.27E-14	1.81E-12	5.11E-15	5.11E-15	4.97E-03
197.09713	192.5	16.10	15.29	15.16	15.54	4.13E-06	1.33E-04	5.07E-06	2.23E-02	9.05E-01	5.65E-01	2.02E-01
197.1183	273.64	19.08	18.30	18.40	18.31	3.91E-14	1.22E-11	2.38E-09	5.53E-11	7.80E-01	1.00E+00	8.25E-01
197.12981	23.66	9.98	15.97	8.89	9.68	1.13E-88	5.11E-15	8.36E-06	5.73E-01	5.11E-15	5.11E-15	3.91E-03

197.15472	184.6	17.75	16.58	16.39	16.86	1.47E-13	7.25E-10	6.38E-13	7.57E-06	6.98E-01	4.01E-01	4.39E-02
197.94025	26.98	20.84	18.41	18.88	19.03	4.03E-10	8.50E-10	7.39E-07	1.26E-05	5.69E-01	3.55E-01	9.78E-01
197.95051	45.37	18.19	18.71	19.32	19.12	1.63E-41	1.01E-11	5.11E-15	5.11E-15	4.46E-14	3.01E-07	2.35E-02
197.97074	25.89	18.00	19.83	19.97	19.46	6.06E-45	5.11E-15	5.11E-15	7.55E-15	6.20E-01	1.79E-02	2.58E-04
198.04186	292.03	17.21	16.89	16.88	17.09	5.42E-02	9.95E-02	8.40E-02	8.25E-01	1.00E+00	5.33E-01	4.95E-01
198.05216	168.13	18.34	18.39	18.54	18.49	7.56E-01	9.94E-01	7.51E-01	8.86E-01	8.90E-01	9.67E-01	9.96E-01
198.0675	212	14.59	7.80	8.04	8.26	9.67E-28	2.20E-14	3.00E-14	4.04E-14	9.78E-01	8.86E-01	9.86E-01
198.0737	27.07	20.94	20.19	20.45	20.38	6.59E-08	3.52E-08	4.79E-04	9.71E-05	1.75E-01	4.64E-01	9.54E-01
198.07838	258.2	21.62	20.36	20.58	20.35	1.66E-16	1.61E-13	4.19E-10	3.70E-13	5.12E-01	1.00E+00	5.04E-01
198.08851	179.8	15.31	14.18	14.03	14.30	4.59E-07	3.17E-05	1.22E-06	3.68E-04	9.20E-01	9.69E-01	7.01E-01
198.11364	190.59	16.40	16.14	15.98	16.08	4.82E-03	1.42E-01	2.80E-03	4.98E-02	5.46E-01	9.62E-01	8.53E-01
198.12165	189.96	16.55	15.69	15.59	15.92	2.09E-09	3.35E-07	6.99E-09	4.00E-04	9.12E-01	5.10E-01	1.76E-01
198.89245	151.03	14.78	11.85	10.27	14.01	4.77E-27	2.17E-12	7.33E-15	1.95E-01	3.53E-04	1.01E-06	4.35E-14
198.89737	106.7	17.40	15.75	15.60	16.32	1.96E-22	4.45E-14	3.77E-14	2.80E-08	8.19E-01	1.17E-02	5.47E-04
198.90539	96.84	15.68	16.27	16.29	16.03	5.42E-11	3.96E-09	1.13E-09	1.52E-03	9.99E-01	5.94E-02	3.76E-02
198.91822	23.08	17.25	18.57	18.77	18.72	7.54E-24	4.31E-14	4.02E-14	4.14E-14	5.33E-01	7.75E-01	9.85E-01
198.94457	57.48	19.62	20.08	20.53	20.40	2.20E-38	1.25E-12	5.11E-15	5.11E-15	1.76E-11	5.57E-06	1.49E-01
198.95131	51.62	16.29	16.68	17.18	17.03	6.35E-33	2.70E-08	5.11E-15	2.22E-14	8.07E-12	4.33E-06	1.28E-01
199.00163	25.43	17.32	17.37	17.72	18.15	2.28E-03	9.95E-01	2.76E-01	2.76E-03	4.35E-01	8.32E-03	2.93E-01
199.00742	22.13	10.61	12.00	11.79	11.84	1.76E-01	1.97E-01	3.26E-01	3.24E-01	9.91E-01	9.96E-01	1.00E+00
199.02221	25.52	14.77	14.43	14.38	14.47	4.79E-01	6.07E-01	4.75E-01	7.11E-01	9.98E-01	9.99E-01	9.89E-01
199.03387	32.4	17.05	16.52	16.88	16.80	5.00E-04	1.62E-04	5.35E-01	1.96E-01	2.19E-02	1.48E-01	9.06E-01
199.03813	21.49	18.69	21.12	20.72	20.97	8.28E-19	4.35E-14	3.50E-12	1.03E-13	4.64E-01	9.54E-01	8.05E-01
199.05318	32.36	15.22	14.86	14.43	14.55	7.18E-02	6.86E-01	6.71E-02	1.78E-01	5.53E-01	7.88E-01	9.86E-01
199.06241	289.27	18.48	17.18	17.33	17.17	7.11E-29	1.42E-14	4.24E-14	2.02E-14	5.36E-01	1.00E+00	5.23E-01
199.07115	44.93	15.34	16.48	16.83	16.78	7.01E-05	8.11E-03	1.82E-04	5.72E-04	7.62E-01	8.50E-01	9.99E-01
199.07365	290.47	20.21	18.00	18.22	18.17	1.21E-66	5.11E-15	5.11E-15	5.11E-15	1.25E-01	3.67E-01	9.56E-01
199.07835	32.59	16.40	14.91	15.15	14.81	3.65E-15	4.82E-12	5.03E-09	9.35E-13	6.10E-01	9.69E-01	3.51E-01
199.08183	290.3	18.11	16.31	16.33	16.63	5.18E-32	5.33E-15	5.77E-15	4.33E-14	9.98E-01	1.50E-01	1.99E-01
199.09766	273.51	18.05	17.50	17.63	17.72	2.60E-03	1.56E-03	2.69E-02	1.44E-01	8.11E-01	4.85E-01	9.41E-01
199.10886	151.88	15.06	14.96	14.63	15.39	8.81E-06	9.00E-01	1.03E-02	8.60E-02	8.55E-02	1.78E-02	1.68E-06
199.13396	112.92	20.53	16.85	18.33	19.86	3.96E-12	8.63E-12	5.34E-05	5.39E-01	1.83E-02	1.24E-07	1.63E-02
199.134	259.52	19.41	18.16	18.32	18.72	1.09E-12	6.69E-12	1.40E-09	3.99E-04	7.77E-01	8.10E-03	9.78E-02
199.14559	18.65	5.89	19.99	5.71	5.44	3.67E-137	5.11E-15	9.06E-01	3.93E-01	5.11E-15	5.11E-15	8.01E-01
199.17036	247.21	19.90	18.65	18.77	18.86	1.32E-19	4.37E-14	5.13E-14	4.90E-12	8.24E-01	4.29E-01	9.02E-01
199.93743	26.86	19.04	16.94	17.01	17.10	6.56E-09	2.51E-07	4.94E-07	3.99E-06	9.98E-01	9.77E-01	9.96E-01
199.9685	24.25	16.21	17.98	18.20	18.23	8.35E-40	5.33E-15	5.11E-15	5.11E-15	3.92E-01	3.05E-01	9.96E-01
200.01793	26.36	16.64	16.89	17.24	16.58	9.19E-04	4.62E-01	2.85E-03	9.87E-01	1.95E-01	3.18E-01	1.71E-03
200.03325	51.26	17.34	15.21	15.70	15.51	2.36E-21	4.23E-14	5.68E-13	5.47E-14	1.01E-01	5.19E-01	8.25E-01
200.04146	20.28	14.49	15.95	15.05	15.89	2.51E-04	7.90E-04	4.34E-01	1.90E-03	9.26E-02	9.99E-01	1.43E-01
200.05764	288.9	19.70	18.25	18.41	17.84	1.75E-50	5.11E-15	5.11E-15	5.11E-15	3.78E-01	2.88E-04	1.85E-07
200.08318	211.38	15.25	8.76	8.65	8.75	6.56E-47	5.11E-15	5.11E-15	5.11E-15	9.95E-01	1.00E+00	9.97E-01
200.09423	267.22	20.98	18.80	19.21	19.43	1.48E-33	5.11E-15	1.31E-14	4.42E-14	5.22E-02	8.53E-04	5.11E-01
200.10105	141.52	15.58	14.66	14.74	15.24	2.91E-13	1.81E-11	5.40E-10	3.83E-02	9.23E-01	1.03E-04	1.01E-03
200.12921	186.88	16.63	16.14	15.93	16.37	4.58E-09	6.05E-05	2.36E-09	9.73E-02	2.16E-01	1.81E-01	6.45E-04

200.13733	194.39	18.23	16.92	16.52	17.93	9.75E-16	1.26E-08	1.31E-13	5.14E-01	2.35E-01	4.53E-05	3.85E-09
200.14892	22.31	14.61	15.96	13.17	13.63	3.67E-83	5.11E-15	5.11E-15	3.38E-14	5.11E-15	5.11E-15	1.18E-05
200.17373	200.04	17.66	16.28	15.95	16.68	9.43E-24	4.34E-14	1.62E-14	1.12E-08	1.33E-01	6.12E-02	3.33E-05
200.17395	85.72	15.65	11.88	12.44	13.44	1.95E-24	1.89E-14	4.50E-14	3.32E-09	3.58E-01	8.85E-05	2.36E-02
200.88959	26.85	11.92	11.44	12.10	10.08	3.89E-02	9.10E-01	9.95E-01	6.24E-02	8.10E-01	2.75E-01	3.87E-02
200.89255	124.26	16.41	15.26	15.18	15.56	2.11E-08	9.58E-07	1.01E-07	7.02E-04	9.81E-01	5.46E-01	3.21E-01
200.90817	29.82	14.21	13.89	14.45	13.76	1.64E-01	7.42E-01	8.81E-01	5.20E-01	3.21E-01	9.82E-01	1.75E-01
200.92393	161.92	14.74	15.29	15.09	15.21	1.90E-04	1.92E-04	3.62E-02	2.66E-03	4.26E-01	9.41E-01	7.98E-01
200.97305	19.61	12.64	16.72	16.56	16.31	4.80E-26	3.22E-14	3.80E-14	4.09E-14	9.74E-01	7.24E-01	9.20E-01
201.00196	29.55	16.25	15.47	14.92	15.43	2.10E-09	4.77E-04	2.83E-10	3.05E-04	2.89E-02	9.97E-01	6.09E-02
201.03879	203.93	16.03	17.70	17.87	18.08	5.86E-19	5.12E-12	6.93E-14	4.33E-14	8.74E-01	3.54E-01	7.92E-01
201.04177	290.98	16.52	14.72	12.79	11.65	1.97E-20	9.70E-04	3.91E-13	4.22E-14	4.13E-04	1.42E-08	9.42E-02
201.05213	291.4	15.73	16.28	16.13	16.88	5.17E-06	4.35E-02	2.08E-01	9.37E-07	9.01E-01	3.10E-02	3.55E-03
201.05245	19.17	15.34	15.59	15.36	15.64	2.06E-01	4.71E-01	9.99E-01	3.07E-01	5.60E-01	9.89E-01	3.84E-01
201.06492	91.46	14.20	14.38	14.29	14.42	7.40E-01	8.34E-01	9.72E-01	7.31E-01	9.78E-01	9.97E-01	9.32E-01
201.07123	177.23	8.09	13.40	12.79	11.10	1.49E-19	4.16E-14	5.03E-14	1.21E-06	6.89E-01	5.27E-04	1.86E-02
201.07163	19.96	15.21	16.33	14.97	15.14	1.24E-02	5.23E-02	9.48E-01	9.99E-01	1.36E-02	5.06E-02	9.83E-01
201.07793	285.47	18.80	17.49	17.39	17.53	1.39E-23	4.24E-14	4.13E-14	4.31E-14	9.08E-01	9.88E-01	7.62E-01
201.08865	289.13	19.29	18.05	18.10	18.24	8.65E-44	5.11E-15	5.11E-15	5.11E-15	9.10E-01	1.04E-01	3.49E-01
201.09761	287.36	16.99	15.89	16.15	16.11	1.14E-02	1.04E-02	7.94E-02	6.98E-02	8.81E-01	9.37E-01	9.99E-01
201.11319	290.21	18.38	17.81	17.91	18.24	7.14E-05	2.09E-04	2.75E-03	7.43E-01	8.97E-01	1.51E-02	8.85E-02
201.12484	21.69	14.47	16.24	15.01	15.56	3.92E-04	1.89E-04	5.60E-01	5.67E-02	2.19E-02	4.09E-01	5.93E-01
201.13593	85.96	14.96	15.20	14.88	16.28	1.36E-11	5.55E-01	9.80E-01	6.03E-10	3.46E-01	1.23E-06	1.53E-10
201.14966	282.7	17.32	16.68	16.68	16.99	2.97E-04	1.04E-03	8.37E-04	2.12E-01	1.00E+00	3.18E-01	3.00E-01
201.14968	169.12	18.16	17.21	17.23	17.98	1.46E-09	4.02E-07	5.45E-07	7.31E-01	1.00E+00	1.53E-04	2.05E-04
201.7443	227.47	15.33	12.14	12.09	13.40	8.56E-15	2.48E-12	8.40E-13	5.09E-05	1.00E+00	2.22E-02	1.53E-02
201.80243	19.26	16.16	15.83	15.77	16.20	4.79E-01	7.52E-01	6.44E-01	9.99E-01	9.98E-01	7.09E-01	6.04E-01
201.98861	248.85	18.86	18.14	18.14	18.36	8.56E-08	1.14E-06	7.32E-07	1.97E-03	1.00E+00	4.01E-01	3.72E-01
202.01254	31.83	17.19	15.96	16.07	15.85	1.53E-07	7.65E-06	4.24E-05	1.94E-06	9.76E-01	9.77E-01	8.47E-01
202.03931	29.47	15.57	14.96	15.51	16.35	3.41E-07	2.87E-02	9.94E-01	3.53E-03	6.55E-02	4.29E-08	1.84E-03
202.04906	30.19	16.53	15.37	15.63	16.03	2.18E-15	4.87E-14	5.24E-10	1.76E-03	2.32E-01	3.03E-05	2.36E-02
202.06211	92.36	15.62	15.80	15.98	16.23	3.61E-04	5.71E-01	5.07E-02	1.70E-04	5.99E-01	1.94E-02	3.04E-01
202.07331	289.96	20.08	18.06	18.46	18.28	1.26E-39	5.11E-15	5.77E-15	5.11E-15	2.08E-02	4.16E-01	5.74E-01
202.09111	22.38	8.89	16.12	16.55	10.37	2.43E-19	2.60E-13	4.96E-14	3.68E-01	9.64E-01	2.70E-08	1.58E-09
202.10895	19.01	16.51	16.57	16.37	16.49	6.05E-01	9.74E-01	7.80E-01	9.99E-01	5.41E-01	9.51E-01	8.71E-01
202.10911	175.55	15.64	14.85	14.63	14.74	1.80E-08	3.92E-05	7.07E-08	4.36E-06	6.08E-01	9.37E-01	9.29E-01
202.11667	150.74	16.02	15.49	15.47	15.74	5.04E-04	2.03E-03	1.11E-03	2.62E-01	9.99E-01	3.49E-01	2.79E-01
202.89239	54.11	17.00	15.11	15.37	15.62	6.98E-20	4.27E-14	5.86E-14	1.88E-10	5.35E-01	6.10E-02	6.15E-01
202.90443	42.14	15.00	16.66	12.53	12.76	1.14E-34	4.50E-07	8.43E-14	2.51E-11	5.11E-15	5.77E-15	8.84E-01
202.91311	52.81	17.97	16.32	16.98	17.62	1.01E-24	1.15E-14	1.42E-10	8.41E-02	4.53E-05	4.66E-14	1.29E-04
202.98744	196.58	19.09	17.86	17.98	17.07	6.08E-15	3.40E-07	3.87E-06	4.40E-14	9.51E-01	4.31E-03	5.88E-04
202.99787	33.38	16.15	14.64	16.24	16.16	7.84E-06	1.01E-04	9.93E-01	1.00E+00	4.83E-05	2.10E-04	9.97E-01
203.01967	29.6	20.14	19.12	19.16	19.63	1.24E-13	8.62E-12	3.78E-11	1.65E-03	9.90E-01	2.71E-03	6.76E-03
203.04243	159.63	15.73	15.79	15.62	16.08	3.96E-03	9.52E-01	8.13E-01	2.58E-02	5.15E-01	1.12E-01	2.08E-03
203.04274	17.08	17.97	18.24	17.96	18.13	1.10E-02	2.93E-02	9.97E-01	3.58E-01	1.98E-02	7.23E-01	2.77E-01

203.04589	30.38	17.16	16.57	16.41	16.14	1.19E-06	6.70E-03	2.32E-04	7.32E-07	8.24E-01	1.22E-01	5.05E-01
203.05735	289.52	18.12	17.58	17.53	17.16	1.97E-15	1.78E-06	1.29E-07	4.35E-14	9.68E-01	8.08E-04	3.63E-03
203.07836	132.2	13.88	14.47	14.72	15.13	7.11E-09	9.24E-03	4.46E-05	2.33E-09	5.37E-01	4.92E-03	1.60E-01
203.08286	22.08	21.49	20.83	21.08	21.21	2.37E-12	3.89E-13	5.75E-06	5.63E-03	1.69E-02	1.09E-04	4.33E-01
203.09378	281.95	18.16	16.91	16.96	16.85	2.11E-25	4.22E-14	4.37E-14	4.02E-14	9.73E-01	9.67E-01	8.11E-01
203.10419	18.36	16.65	17.38	17.61	17.18	3.41E-16	4.32E-10	4.20E-14	1.07E-05	1.29E-01	3.14E-01	8.09E-04
203.10657	176.44	14.88	13.51	13.84	13.29	1.15E-05	2.25E-04	8.31E-03	2.06E-05	7.48E-01	9.16E-01	3.62E-01
203.12902	155.54	14.96	14.28	14.74	14.68	1.59E-04	4.35E-05	4.51E-01	2.46E-01	1.31E-02	5.69E-02	9.74E-01
203.18058	209.05	15.65	14.54	14.97	14.62	2.29E-03	2.89E-03	1.38E-01	9.69E-03	5.28E-01	9.93E-01	7.18E-01
203.18066	99.36	11.28	7.54	11.21	10.28	4.21E-11	4.55E-10	9.99E-01	2.81E-01	2.07E-09	2.21E-05	3.64E-01
204.00502	20.41	18.46	18.38	17.88	18.57	9.22E-06	9.16E-01	1.39E-04	8.89E-01	2.58E-03	5.53E-01	1.75E-05
204.02182	35.6	15.52	11.44	11.04	12.67	2.99E-48	5.11E-15	5.11E-15	2.60E-14	4.04E-01	3.27E-05	1.50E-08
204.03392	18.43	17.01	17.06	17.49	17.76	2.71E-04	9.94E-01	5.21E-02	7.40E-04	1.16E-01	2.71E-03	5.09E-01
204.05212	186.57	17.44	16.15	15.88	16.38	5.69E-19	4.08E-13	4.35E-14	5.17E-09	3.59E-01	5.20E-01	1.68E-02
204.05266	291.49	16.63	16.63	16.59	16.15	3.03E-02	1.00E+00	9.94E-01	4.08E-02	9.97E-01	5.47E-02	8.64E-02
204.06109	207.78	13.88	7.95	8.27	8.33	1.24E-32	5.33E-15	7.55E-15	1.55E-14	9.12E-01	8.71E-01	9.99E-01
204.06704	22.3	16.36	16.33	15.51	15.61	1.58E-03	9.99E-01	9.34E-03	3.91E-02	1.77E-02	6.32E-02	9.82E-01
204.07114	19.06	15.19	13.22	14.10	15.50	6.27E-07	2.61E-05	4.39E-02	8.88E-01	1.72E-01	3.19E-06	8.33E-03
204.07808	212.89	16.39	9.92	10.17	9.87	1.94E-18	6.71E-14	1.56E-13	1.09E-13	9.89E-01	1.00E+00	9.83E-01
204.08901	286.51	18.94	17.47	17.72	17.49	6.50E-25	3.60E-14	4.49E-14	4.26E-14	2.83E-01	9.99E-01	3.72E-01
204.12443	23.49	15.39	15.72	15.38	14.64	1.86E-02	7.40E-01	1.00E+00	1.14E-01	7.44E-01	1.00E-02	1.29E-01
204.8898	43.09	15.27	10.99	14.68	14.97	5.80E-25	2.26E-14	4.11E-01	8.73E-01	4.30E-14	4.35E-14	8.88E-01
204.91338	167.36	17.45	20.70	20.93	20.43	4.21E-49	5.11E-15	5.11E-15	5.11E-15	6.58E-01	5.90E-01	8.13E-02
204.94412	20.19	14.04	8.48	8.54	11.51	2.84E-43	5.11E-15	5.11E-15	3.06E-10	9.98E-01	3.71E-13	6.54E-13
204.97077	151.39	18.17	16.62	16.04	16.93	2.76E-27	4.26E-14	5.11E-15	6.64E-11	4.74E-03	2.90E-01	4.73E-06
204.99116	53.5	15.90	17.95	12.17	13.39	5.14E-52	1.10E-10	5.11E-15	7.29E-14	5.11E-15	5.11E-15	4.51E-04
204.99914	18.47	12.85	15.99	15.50	15.74	1.93E-15	2.73E-13	3.04E-10	3.68E-11	6.11E-01	9.31E-01	9.36E-01
205.01798	22.81	16.86	16.67	16.54	16.94	5.19E-02	5.76E-01	1.41E-01	9.65E-01	8.40E-01	3.39E-01	6.26E-02
205.0363	143.82	16.40	16.12	15.42	16.33	1.65E-07	3.87E-01	2.91E-07	9.76E-01	6.51E-04	6.88E-01	8.89E-06
205.06203	91.15	14.96	13.33	14.41	14.19	5.42E-11	5.94E-12	5.04E-02	3.20E-03	1.04E-05	1.14E-03	7.62E-01
205.07307	286.85	20.98	19.20	19.52	19.21	7.99E-50	5.11E-15	5.11E-15	5.11E-15	1.20E-02	9.99E-01	2.41E-02
205.08716	176.46	16.29	15.34	15.97	15.81	6.57E-07	1.19E-07	1.90E-01	2.44E-02	1.21E-03	3.26E-02	8.04E-01
205.09269	208.3	14.75	9.19	8.43	9.94	7.90E-32	1.31E-14	5.11E-15	4.51E-14	4.08E-01	4.49E-01	1.53E-02
205.12352	189.75	16.83	16.21	16.21	16.06	2.73E-06	3.29E-04	2.84E-04	6.31E-06	1.00E+00	7.54E-01	7.49E-01
205.15987	218.29	19.28	20.04	20.24	19.19	9.90E-22	3.18E-10	4.62E-14	8.80E-01	2.87E-01	3.78E-11	4.25E-14
205.19639	234.15	17.43	16.27	16.71	17.00	7.60E-21	3.13E-14	3.98E-10	5.68E-04	5.33E-04	4.38E-09	4.72E-02
205.91693	92.69	14.73	13.44	13.71	13.78	1.25E-02	1.07E-02	6.26E-02	1.15E-01	9.20E-01	8.63E-01	9.98E-01
206.00223	25.35	17.27	16.32	16.16	16.80	4.22E-12	1.56E-08	2.42E-11	1.64E-02	7.25E-01	1.67E-02	4.56E-04
206.01106	30.6	17.99	16.90	16.83	16.80	3.88E-23	4.22E-14	4.26E-14	4.26E-14	9.51E-01	8.64E-01	9.93E-01
206.05785	109.39	15.72	13.80	14.18	14.35	3.89E-25	1.15E-14	4.39E-14	2.65E-13	1.08E-01	9.54E-03	7.63E-01
206.06714	210.82	19.96	19.00	18.80	19.33	6.43E-04	6.66E-03	5.19E-04	1.52E-01	9.11E-01	7.20E-01	3.23E-01
206.08426	148.99	14.78	13.42	13.86	14.56	1.37E-06	3.25E-06	2.86E-03	8.47E-01	3.62E-01	3.39E-04	5.68E-02
206.09375	213.16	15.24	10.43	10.13	10.91	7.17E-12	3.78E-09	2.61E-10	2.67E-07	9.79E-01	9.26E-01	7.44E-01
206.10377	25.34	20.59	20.19	20.69	20.64	7.67E-06	4.78E-04	7.94E-01	9.76E-01	1.56E-05	2.20E-04	9.67E-01
206.10422	193.75	16.21	16.39	15.41	15.30	7.14E-10	7.58E-01	8.68E-05	1.16E-05	1.95E-06	2.40E-07	9.32E-01

206.16326	215.18	15.98	16.62	16.96	15.80	1.37E-19	1.38E-06	1.28E-13	4.90E-01	2.94E-02	4.41E-09	4.33E-14
206.91151	106.8	17.16	15.65	15.98	15.98	2.05E-19	4.37E-14	2.31E-12	9.47E-12	1.42E-01	1.76E-01	1.00E+00
206.96783	105.35	15.96	15.08	15.17	16.26	1.48E-10	1.85E-05	1.27E-04	3.79E-01	9.64E-01	2.90E-08	2.49E-07
206.98906	27.73	15.40	15.38	14.27	14.77	1.07E-04	1.00E+00	3.14E-04	1.26E-01	6.32E-04	1.62E-01	3.05E-01
207.05107	290.27	17.85	17.79	17.69	17.87	2.11E-01	9.05E-01	2.71E-01	9.97E-01	6.95E-01	8.39E-01	2.29E-01
207.05113	194.68	19.01	19.32	19.08	18.70	6.51E-02	4.86E-01	9.86E-01	4.96E-01	7.13E-01	3.54E-02	3.24E-01
207.06647	161.35	15.87	15.54	15.53	15.55	5.42E-03	1.94E-02	1.35E-02	2.70E-02	1.00E+00	1.00E+00	9.99E-01
207.07053	158.1	16.27	14.44	14.43	15.00	1.56E-26	2.51E-14	1.98E-14	8.63E-12	1.00E+00	8.27E-03	5.75E-03
207.07793	23.69	15.49	14.45	14.12	14.20	3.42E-03	5.76E-02	4.93E-03	1.37E-02	8.60E-01	9.43E-01	9.97E-01
207.08883	90.83	16.12	14.25	14.39	14.74	2.27E-30	5.33E-15	1.04E-14	4.24E-14	7.86E-01	1.21E-02	1.26E-01
207.10282	212.82	17.87	17.78	18.02	17.79	5.97E-02	7.48E-01	4.07E-01	8.45E-01	6.40E-02	9.99E-01	1.07E-01
207.10727	26.54	16.46	15.68	16.14	16.19	4.84E-10	4.88E-11	1.77E-02	6.58E-02	2.22E-04	8.51E-05	9.82E-01
207.13923	167.68	15.94	13.81	14.60	14.72	1.15E-25	5.33E-15	4.84E-13	1.61E-10	5.85E-05	5.43E-06	9.04E-01
207.93252	86.98	16.07	14.50	14.63	14.94	1.57E-19	4.11E-14	4.51E-14	1.21E-09	8.78E-01	5.99E-02	2.71E-01
207.96903	37.07	21.45	20.73	21.20	20.31	8.62E-04	5.83E-02	8.17E-01	7.84E-04	3.66E-01	5.13E-01	1.69E-02
207.99016	27.74	13.81	14.28	14.42	14.33	1.24E-01	3.28E-01	1.22E-01	2.59E-01	9.61E-01	9.98E-01	9.91E-01
207.99959	31.39	19.67	21.34	21.54	20.61	1.95E-48	5.11E-15	5.11E-15	4.54E-14	2.36E-01	1.60E-09	6.02E-14
208.01831	18.92	17.47	18.57	18.63	18.52	3.00E-18	1.43E-13	4.60E-14	3.30E-12	9.63E-01	9.87E-01	8.50E-01
208.03877	17.45	16.56	16.75	16.52	16.53	6.91E-01	8.07E-01	9.98E-01	9.99E-01	7.12E-01	7.47E-01	1.00E+00
208.05457	133.64	15.45	14.43	13.86	14.65	8.25E-19	2.32E-09	3.97E-14	6.87E-06	2.17E-03	5.33E-01	1.22E-05
208.06288	292.65	17.70	16.54	16.67	16.88	4.31E-19	4.12E-14	5.80E-14	2.22E-09	7.39E-01	4.64E-02	3.55E-01
208.08269	274.29	18.63	17.71	17.40	18.01	1.79E-13	3.24E-08	1.35E-13	4.43E-04	1.72E-01	2.58E-01	8.62E-04
208.09173	153.74	14.29	14.34	13.93	13.26	1.51E-02	9.99E-01	7.27E-01	2.29E-02	6.62E-01	1.96E-02	2.59E-01
208.09864	163.33	15.05	14.30	14.27	14.82	6.01E-09	8.79E-07	3.13E-07	4.05E-01	9.99E-01	1.96E-03	1.02E-03
208.11935	56.53	18.46	16.96	17.90	18.35	3.06E-17	4.31E-14	3.74E-03	9.07E-01	3.49E-07	4.26E-13	4.78E-02
208.92124	142.9	18.55	16.90	16.70	17.69	6.35E-24	4.29E-14	2.86E-14	1.21E-05	6.57E-01	9.31E-05	4.28E-07
208.92139	30.48	16.44	17.00	17.17	16.34	7.75E-05	2.78E-02	1.95E-03	9.64E-01	8.64E-01	1.08E-02	7.06E-04
208.93458	148.12	15.55	13.89	14.01	15.29	2.69E-11	1.31E-08	1.12E-07	7.71E-01	9.70E-01	7.57E-06	4.45E-05
208.97381	125.51	10.75	14.58	14.52	14.35	4.10E-27	2.93E-14	3.15E-14	4.46E-14	9.99E-01	9.22E-01	9.62E-01
208.98529	29.63	23.23	23.26	23.23	23.67	5.64E-04	9.94E-01	1.00E+00	1.30E-03	9.97E-01	4.47E-03	2.08E-03
209.00435	192.16	16.51	15.26	15.22	15.80	4.27E-17	1.04E-13	5.13E-14	4.08E-05	9.94E-01	4.45E-03	1.67E-03
209.00447	45.79	18.42	17.12	17.22	17.16	2.85E-06	2.99E-05	1.13E-04	9.59E-05	9.86E-01	9.99E-01	9.98E-01
209.01956	17.95	14.96	15.69	15.57	15.96	2.08E-04	7.15E-03	3.51E-02	1.20E-04	9.47E-01	6.59E-01	3.30E-01
209.0307	19.04	19.99	22.41	22.21	22.15	9.96E-50	5.11E-15	5.11E-15	5.11E-15	5.21E-01	3.01E-01	9.73E-01
209.04571	146	14.86	14.42	13.90	14.44	1.43E-07	3.01E-02	1.53E-08	4.82E-02	5.97E-03	1.00E+00	5.57E-03
209.05814	290.53	17.03	15.73	15.83	15.80	1.81E-07	2.83E-06	1.46E-05	1.74E-05	9.80E-01	9.94E-01	9.99E-01
209.06683	162.57	19.76	19.76	20.09	19.60	3.13E-01	1.00E+00	5.57E-01	9.33E-01	5.73E-01	9.42E-01	2.64E-01
209.0833	156.8	16.37	14.25	13.79	14.65	3.76E-26	4.33E-14	7.33E-15	1.88E-12	1.68E-01	3.11E-01	1.25E-03
209.08359	289.21	16.60	11.68	11.30	12.18	4.96E-33	6.88E-15	5.11E-15	3.69E-14	8.00E-01	6.50E-01	1.69E-01
209.11839	272.71	18.16	17.23	17.31	17.19	4.68E-24	4.26E-14	4.34E-14	4.14E-14	8.35E-01	9.70E-01	5.82E-01
209.15488	167.28	15.44	14.59	14.57	14.65	5.92E-08	2.46E-06	1.16E-06	2.41E-05	1.00E+00	9.85E-01	9.69E-01
209.96728	31.5	16.75	16.12	16.04	15.52	5.36E-04	1.11E-01	5.17E-02	1.57E-04	9.92E-01	1.79E-01	2.92E-01
209.98978	26.54	18.79	18.74	18.78	19.24	3.55E-04	9.66E-01	9.99E-01	2.66E-03	9.89E-01	7.48E-04	2.09E-03
209.99954	32.94	17.38	17.28	17.39	17.07	3.85E-02	8.29E-01	1.00E+00	5.22E-02	7.81E-01	3.30E-01	4.51E-02
210.03435	19.24	15.60	17.60	17.46	17.44	5.20E-35	5.11E-15	5.33E-15	7.77E-15	7.82E-01	7.23E-01	9.99E-01

210.05407	160.77	16.66	15.58	15.45	16.24	3.42E-17	2.84E-12	4.77E-14	2.00E-02	7.98E-01	7.86E-05	1.12E-06
210.05986	27.7	13.90	14.62	12.07	12.71	1.19E-45	4.93E-06	5.11E-15	3.65E-13	5.11E-15	5.33E-15	1.74E-04
210.06564	24.07	16.17	15.98	15.80	16.14	3.58E-02	5.20E-01	3.69E-02	9.97E-01	5.75E-01	6.86E-01	8.66E-02
210.07034	125.12	15.93	15.43	15.69	15.50	1.43E-04	1.68E-04	1.64E-01	2.21E-03	1.35E-01	9.47E-01	4.01E-01
210.0704	22.55	15.99	15.88	15.94	15.77	6.14E-01	9.14E-01	9.92E-01	5.68E-01	9.83E-01	9.20E-01	7.48E-01
210.07857	270.91	20.61	19.06	19.46	19.31	1.18E-22	3.40E-14	4.07E-13	4.60E-14	3.24E-02	3.62E-01	7.28E-01
210.08923	179.69	17.86	16.88	17.17	17.35	1.21E-09	3.55E-10	1.27E-05	2.96E-03	1.83E-01	1.14E-02	6.53E-01
210.11377	135.6	14.81	14.00	13.57	13.86	2.93E-13	2.41E-06	2.40E-13	5.34E-08	3.10E-02	8.23E-01	2.63E-01
210.12184	145.57	15.17	13.93	13.80	13.67	4.53E-15	1.20E-09	1.31E-11	1.15E-12	9.02E-01	5.60E-01	9.17E-01
210.88214	88.63	15.03	15.62	15.51	15.29	8.04E-07	1.09E-06	8.15E-05	9.98E-02	7.70E-01	2.35E-02	2.11E-01
210.91833	151.17	16.22	14.99	14.57	15.35	8.73E-30	4.13E-14	5.11E-15	3.97E-10	5.18E-03	3.23E-02	3.77E-08
210.93707	28.95	17.25	17.73	18.30	17.08	1.56E-13	9.10E-03	1.91E-10	6.92E-01	1.70E-03	3.65E-04	2.82E-12
210.96283	45.17	20.65	20.09	20.61	20.61	1.39E-06	5.78E-06	9.81E-01	9.87E-01	4.82E-05	7.98E-05	1.00E+00
210.9834	26.42	21.42	21.43	21.44	21.90	1.82E-04	9.99E-01	9.97E-01	4.84E-04	1.00E+00	1.20E-03	1.34E-03
210.99109	22.36	16.20	15.33	15.04	15.89	8.71E-06	2.03E-03	1.31E-05	6.00E-01	6.47E-01	1.20E-01	4.66E-03
211.02859	20.99	16.18	16.99	16.00	15.76	2.17E-06	1.88E-03	8.46E-01	2.51E-01	1.14E-04	2.04E-06	7.23E-01
211.04661	158.41	14.90	13.87	13.67	14.09	3.69E-10	3.53E-07	5.87E-10	1.49E-04	6.91E-01	6.66E-01	1.21E-01
211.05582	32.1	16.19	16.32	16.28	16.30	8.79E-01	8.70E-01	9.50E-01	9.26E-01	9.96E-01	9.99E-01	1.00E+00
211.06174	178.06	16.16	15.07	15.31	15.36	8.34E-13	1.81E-12	2.49E-08	5.15E-07	3.42E-01	2.00E-01	9.83E-01
211.07377	278.02	20.35	18.89	19.06	18.85	1.52E-33	5.33E-15	1.98E-14	5.33E-15	4.83E-01	9.87E-01	3.10E-01
211.08201	290.01	16.72	14.39	15.05	15.27	1.81E-09	7.17E-10	1.16E-05	3.21E-04	2.39E-01	7.78E-02	9.33E-01
211.09778	286.54	17.15	17.10	17.02	17.18	6.20E-01	9.70E-01	7.23E-01	9.95E-01	9.39E-01	9.11E-01	6.07E-01
211.09783	21.44	16.33	15.58	15.57	15.64	1.70E-16	6.27E-13	2.04E-13	7.74E-11	9.99E-01	9.37E-01	8.92E-01
211.10912	47.27	14.08	14.79	10.45	10.24	5.47E-19	5.46E-01	5.20E-10	2.18E-10	7.29E-13	3.75E-13	9.81E-01
211.13401	264.74	18.84	18.24	18.19	18.03	3.70E-10	5.05E-06	4.72E-07	1.60E-09	9.74E-01	3.60E-01	6.06E-01
211.17047	181.68	16.69	14.86	14.82	15.93	6.18E-23	4.35E-14	4.17E-14	5.36E-04	9.97E-01	1.00E-06	2.83E-07
211.97104	29.53	15.21	15.31	15.02	15.26	7.05E-01	9.75E-01	8.83E-01	9.97E-01	6.74E-01	9.97E-01	8.11E-01
211.98674	26.69	16.83	16.61	16.58	17.13	1.03E-03	4.03E-01	2.82E-01	1.73E-01	9.97E-01	3.42E-03	1.51E-03
212.00278	19	20.82	20.89	21.03	21.36	1.43E-02	9.70E-01	6.00E-01	1.03E-02	8.68E-01	4.49E-02	2.30E-01
212.0217	27.41	15.87	16.79	16.90	15.98	8.26E-09	1.54E-05	8.83E-07	9.44E-01	9.48E-01	4.42E-04	4.30E-05
212.0333	176.09	16.03	15.48	15.00	16.42	9.90E-09	6.13E-02	2.09E-05	3.05E-01	1.37E-01	3.77E-04	1.53E-08
212.05104	158.06	14.63	12.18	8.92	12.15	4.81E-23	5.26E-06	8.88E-15	7.37E-06	1.96E-09	1.00E+00	6.55E-09
212.05776	290.85	18.44	17.02	16.98	17.04	1.34E-32	7.33E-15	5.77E-15	1.35E-14	9.93E-01	9.98E-01	9.72E-01
212.06803	290.72	16.98	16.80	16.57	17.11	2.66E-03	5.94E-01	2.10E-02	8.20E-01	3.86E-01	1.78E-01	2.18E-03
212.07724	290.14	16.40	14.35	13.44	14.23	1.33E-12	9.42E-07	8.59E-13	3.89E-07	8.88E-02	9.90E-01	1.95E-01
212.09425	266.56	20.47	18.68	19.04	19.29	5.61E-24	1.64E-14	4.19E-14	2.89E-11	1.09E-01	1.58E-03	4.31E-01
212.10414	163.91	15.00	14.15	13.86	14.63	8.50E-11	2.55E-06	1.47E-10	1.20E-01	3.14E-01	3.01E-02	6.96E-05
212.12938	154.73	15.25	14.70	13.96	14.52	1.48E-11	6.76E-03	1.33E-12	1.72E-04	1.04E-04	7.21E-01	7.92E-03
212.13736	189.67	17.41	16.31	16.37	16.42	2.31E-17	7.13E-14	2.43E-13	1.45E-11	9.81E-01	8.66E-01	9.77E-01
212.88733	25.77	16.68	16.60	16.16	17.09	4.38E-05	9.67E-01	1.85E-02	1.29E-01	7.90E-02	5.22E-02	9.15E-06
212.92121	48.66	22.46	22.48	23.17	23.04	4.16E-24	9.98E-01	4.51E-14	1.96E-12	4.32E-14	2.02E-11	3.69E-01
212.9341	35.4	15.75	15.56	16.13	14.80	7.02E-07	8.21E-01	3.06E-01	2.35E-04	5.68E-02	7.21E-03	1.71E-07
212.94149	81.14	15.36	14.03	14.83	15.50	4.48E-18	5.03E-14	3.95E-03	7.99E-01	4.09E-06	4.29E-14	2.81E-04
212.96102	43.82	15.92	15.22	15.61	15.85	1.12E-07	1.70E-07	5.10E-02	9.59E-01	1.04E-02	7.90E-06	2.09E-01
212.96976	37.97	14.90	15.08	15.41	14.36	5.61E-03	9.13E-01	2.59E-01	2.43E-01	6.66E-01	7.18E-02	2.40E-03

212.97857	114.31	12.03	14.05	16.71	14.94	1.21E-13	1.84E-03	5.81E-14	3.91E-06	2.60E-05	4.26E-01	1.33E-02
212.98074	20.04	15.82	17.00	17.26	17.08	3.08E-13	1.97E-08	4.69E-12	4.18E-09	5.33E-01	9.73E-01	8.14E-01
213.00081	25.04	15.83	15.92	16.18	17.04	3.56E-07	9.73E-01	3.54E-01	5.01E-07	6.40E-01	7.37E-06	7.94E-04
213.0063	19.2	16.86	16.97	17.03	17.35	1.11E-02	8.77E-01	6.45E-01	5.94E-03	9.78E-01	6.09E-02	1.44E-01
213.0073	162.2	14.24	14.71	14.58	15.03	3.11E-02	2.59E-01	5.51E-01	1.62E-02	9.55E-01	6.47E-01	3.34E-01
213.01538	290.62	14.50	13.94	15.69	17.12	3.47E-24	1.51E-01	6.81E-05	4.46E-14	4.64E-09	2.04E-14	4.49E-06
213.01677	172.64	14.24	13.66	12.74	13.87	3.30E-04	3.48E-01	1.31E-04	7.31E-01	5.09E-02	9.41E-01	1.20E-02
213.01752	21.74	16.92	16.79	15.34	15.30	2.56E-10	9.72E-01	5.51E-07	7.17E-07	9.35E-06	1.06E-05	9.99E-01
213.02565	293.66	17.52	17.39	17.43	17.79	1.52E-02	7.15E-01	9.02E-01	1.56E-01	9.83E-01	1.37E-02	3.61E-02
213.04098	167.28	14.27	14.26	14.16	14.36	8.30E-01	1.00E+00	9.47E-01	9.73E-01	9.60E-01	9.68E-01	7.82E-01
213.04962	30.52	20.82	21.03	21.15	20.88	4.67E-02	3.36E-01	4.46E-02	9.71E-01	8.01E-01	6.51E-01	1.71E-01
213.05514	169.42	15.48	14.64	14.44	14.97	9.33E-15	7.52E-10	6.31E-14	5.26E-04	3.64E-01	5.87E-02	2.90E-04
213.05548	29.42	19.88	17.88	17.56	17.58	3.52E-28	4.33E-14	1.42E-14	2.64E-14	4.23E-01	4.97E-01	1.00E+00
213.06707	193.85	19.49	18.13	18.18	18.64	2.35E-53	5.11E-15	5.11E-15	1.53E-14	8.95E-01	6.26E-10	2.09E-08
213.07144	55.23	20.06	20.24	20.08	19.86	3.03E-01	7.73E-01	9.99E-01	7.19E-01	8.42E-01	2.18E-01	6.64E-01
213.07785	289.52	17.65	16.80	16.75	16.97	8.72E-12	2.05E-09	1.76E-10	4.98E-06	9.85E-01	5.62E-01	3.47E-01
213.08586	44.84	19.28	20.35	21.36	20.87	6.24E-13	3.38E-04	4.09E-13	6.71E-08	1.18E-03	2.36E-01	2.88E-01
213.08932	282.75	22.50	20.68	20.81	20.68	5.53E-77	5.11E-15	5.11E-15	5.11E-15	2.72E-01	1.00E+00	3.24E-01
213.09754	287.88	17.01	15.40	16.09	15.84	2.90E-03	1.47E-03	1.45E-01	4.49E-02	4.02E-01	7.72E-01	9.45E-01
213.11334	245.78	19.20	17.56	17.46	17.69	6.25E-18	1.47E-13	4.51E-14	1.88E-11	9.70E-01	9.28E-01	7.17E-01
213.14963	283.45	18.60	18.19	18.07	18.35	4.74E-04	9.52E-03	2.91E-04	2.17E-01	7.97E-01	6.78E-01	1.84E-01
213.18605	249.4	19.60	18.05	17.75	18.23	1.08E-31	2.26E-14	5.11E-15	4.34E-14	1.49E-01	6.08E-01	5.91E-03
213.9247	52.57	16.82	16.29	17.53	17.35	2.70E-29	5.10E-07	8.11E-12	1.38E-06	5.33E-15	4.06E-14	2.36E-01
213.94486	26.64	14.88	15.15	15.87	14.87	2.72E-01	9.67E-01	2.95E-01	1.00E+00	5.93E-01	9.66E-01	3.28E-01
213.97713	26.78	15.33	15.71	15.34	14.94	6.24E-02	4.71E-01	1.00E+00	4.83E-01	5.24E-01	3.15E-02	4.67E-01
213.99866	22.58	15.93	15.16	15.47	15.90	2.08E-02	2.90E-02	3.31E-01	9.99E-01	6.94E-01	5.80E-02	4.48E-01
214.01831	27.89	12.76	13.39	13.92	12.71	2.96E-04	1.80E-01	1.03E-03	9.98E-01	3.21E-01	1.56E-01	1.12E-03
214.02427	36.82	16.88	16.19	16.12	15.94	3.26E-02	1.66E-01	1.02E-01	3.33E-02	9.97E-01	8.95E-01	9.56E-01
214.03253	158.88	13.71	13.76	14.32	13.75	5.53E-02	9.97E-01	6.73E-02	9.98E-01	1.29E-01	1.00E+00	1.38E-01
214.03383	25.69	18.08	18.94	18.98	18.38	1.29E-10	4.64E-08	6.74E-09	1.70E-01	9.91E-01	1.59E-03	4.83E-04
214.04906	22.97	23.57	24.15	24.09	23.90	1.09E-08	3.60E-08	9.00E-07	4.90E-03	9.10E-01	6.88E-02	2.60E-01
214.07344	291.42	20.07	17.97	18.28	18.07	2.12E-53	5.11E-15	5.11E-15	5.11E-15	3.52E-02	8.36E-01	2.72E-01
214.083	56.77	20.41	21.85	22.52	21.78	1.05E-16	5.07E-09	4.24E-14	6.75E-08	2.10E-02	9.90E-01	1.02E-02
214.08916	52.91	15.09	15.98	16.56	16.33	4.89E-08	2.40E-03	5.45E-08	1.26E-05	1.02E-01	5.33E-01	8.15E-01
214.09292	293.58	17.96	17.13	16.99	16.98	2.60E-11	4.07E-07	1.87E-09	5.23E-09	7.90E-01	7.83E-01	1.00E+00
214.10301	138.31	15.06	16.48	16.69	16.06	1.49E-19	6.31E-14	4.40E-14	1.34E-07	6.11E-01	7.83E-02	2.01E-03
214.10985	287.23	18.29	16.76	16.67	16.77	8.33E-37	5.11E-15	5.11E-15	5.77E-15	8.84E-01	1.00E+00	8.44E-01
214.11664	177.54	16.58	15.29	15.63	15.87	2.38E-22	2.31E-14	9.35E-14	5.36E-08	2.51E-02	2.01E-05	1.78E-01
214.14502	158.44	16.75	16.22	16.52	16.40	4.72E-03	2.12E-03	3.83E-01	9.79E-02	1.95E-01	6.45E-01	8.73E-01
214.15308	185.85	16.79	15.64	15.72	16.28	1.68E-10	3.42E-09	2.36E-08	2.67E-02	9.78E-01	4.33E-03	1.39E-02
214.18945	197.98	17.27	15.24	15.19	16.01	1.22E-23	4.31E-14	3.70E-14	1.87E-08	9.94E-01	1.69E-03	6.07E-04
214.87156	88.97	16.02	15.75	15.88	15.98	4.76E-02	4.05E-02	5.37E-01	9.86E-01	5.57E-01	1.28E-01	7.86E-01
214.88459	25.87	15.70	16.07	15.64	16.51	8.11E-03	4.88E-01	9.97E-01	1.70E-02	3.93E-01	4.11E-01	1.16E-02
214.89206	97.1	9.41	12.87	13.83	13.63	3.13E-15	1.01E-08	2.69E-13	1.09E-11	3.25E-01	5.59E-01	9.86E-01
214.92126	37.31	19.44	18.99	20.16	20.02	1.59E-14	9.36E-03	5.07E-06	6.47E-04	4.02E-13	4.88E-10	7.83E-01

214.9343	31.53	16.45	17.29	17.44	17.11	5.33E-25	4.19E-14	1.31E-14	1.41E-11	3.15E-01	2.03E-01	1.74E-03
214.95504	168.3	14.70	14.28	14.42	15.35	9.77E-07	1.17E-01	4.60E-01	4.81E-03	8.68E-01	1.01E-06	2.73E-05
214.97097	28.63	14.87	15.20	15.05	15.04	5.22E-01	4.33E-01	8.39E-01	8.68E-01	9.08E-01	9.03E-01	1.00E+00
214.99664	82.9	11.11	12.88	13.78	14.95	5.59E-11	3.54E-03	1.82E-06	2.49E-11	3.09E-01	8.78E-04	1.28E-01
215.02317	286.04	20.44	21.04	20.66	21.22	4.71E-12	2.40E-07	1.58E-01	4.71E-11	2.71E-03	3.59E-01	4.18E-06
215.0331	22.57	25.26	25.90	25.64	25.79	5.72E-07	5.24E-07	7.20E-03	7.97E-05	1.09E-01	7.95E-01	5.73E-01
215.04425	66.8	15.31	15.85	17.31	17.42	1.47E-12	3.03E-01	2.40E-09	1.17E-09	3.39E-05	1.43E-05	9.86E-01
215.05699	198.92	17.25	13.08	13.06	13.54	3.35E-16	5.68E-13	3.14E-13	3.23E-10	1.00E+00	8.36E-01	8.19E-01
215.05748	289.09	16.77	16.67	16.64	16.51	5.23E-01	9.30E-01	8.66E-01	4.34E-01	9.99E-01	8.09E-01	8.78E-01
215.06841	291.47	18.14	16.82	16.60	16.98	7.33E-35	7.11E-15	5.11E-15	4.13E-14	1.89E-01	5.04E-01	5.02E-03
215.08636	54.03	16.25	17.36	17.98	17.50	1.53E-15	1.96E-07	4.31E-14	9.66E-09	1.06E-02	8.99E-01	8.97E-02
215.09304	180.74	18.38	18.28	18.23	17.72	5.97E-04	9.15E-01	7.67E-01	4.11E-04	9.90E-01	5.73E-03	1.34E-02
215.09324	286.38	17.40	16.85	16.89	17.05	7.16E-04	1.24E-03	2.64E-03	8.88E-02	9.95E-01	5.81E-01	7.20E-01
215.10518	291.66	17.78	16.53	16.63	16.72	2.64E-16	9.45E-14	2.28E-12	3.13E-10	9.09E-01	6.36E-01	9.47E-01
215.12898	288.91	17.95	17.79	17.70	18.17	1.74E-03	5.52E-01	1.42E-01	2.95E-01	8.59E-01	1.76E-02	1.24E-03
215.16538	182.94	18.90	17.75	17.99	18.39	2.51E-23	2.35E-14	4.45E-14	1.68E-05	1.12E-01	8.64E-08	1.34E-03
216.03157	30.28	18.88	17.94	18.40	18.21	4.76E-08	1.50E-08	8.64E-03	1.40E-04	1.62E-02	3.28E-01	6.23E-01
216.03665	18.2	21.11	21.69	21.32	21.49	4.97E-05	1.96E-05	3.18E-01	1.68E-02	1.53E-02	3.67E-01	5.65E-01
216.05257	21.36	16.97	16.92	16.87	17.10	1.98E-01	9.49E-01	7.51E-01	6.49E-01	9.72E-01	3.54E-01	1.60E-01
216.05278	291.08	17.07	16.93	16.86	16.54	3.09E-02	8.41E-01	6.20E-01	1.64E-02	9.83E-01	1.49E-01	2.84E-01
216.07827	210.39	15.08	9.52	9.20	9.60	8.63E-62	5.11E-15	5.11E-15	5.11E-15	6.89E-01	9.91E-01	5.17E-01
216.08908	284.42	19.64	18.13	18.37	18.10	3.59E-32	5.77E-15	3.70E-14	5.77E-15	2.03E-01	9.96E-01	1.42E-01
216.16906	100.43	15.31	15.01	13.77	14.45	1.37E-13	4.14E-01	2.54E-13	1.23E-04	6.75E-09	3.11E-02	4.15E-03
216.89816	80.12	16.70	17.67	17.84	17.94	1.33E-30	4.33E-14	1.02E-14	5.77E-15	3.09E-01	4.38E-02	7.66E-01
216.91911	113.13	15.64	15.61	15.74	16.12	1.19E-05	9.96E-01	7.24E-01	4.63E-05	6.07E-01	3.16E-05	3.11E-03
216.92897	23.72	18.13	18.99	19.07	19.32	9.40E-15	2.23E-08	5.96E-10	1.09E-13	9.39E-01	1.14E-01	3.23E-01
216.9707	162.91	14.88	14.95	14.70	15.80	1.62E-06	9.85E-01	7.89E-01	5.94E-05	5.96E-01	3.94E-04	1.56E-06
216.97905	19.28	15.06	13.99	14.68	15.19	8.78E-03	1.98E-02	7.18E-01	9.83E-01	2.56E-01	1.07E-02	5.29E-01
217.00315	201.41	18.87	17.36	17.43	16.59	1.06E-16	6.04E-09	2.09E-08	4.37E-14	9.92E-01	1.18E-02	4.50E-03
217.01239	61.85	17.26	17.67	18.76	18.53	2.31E-14	1.48E-01	1.02E-12	5.62E-09	4.82E-07	2.20E-04	6.43E-01
217.03029	21.6	23.64	24.24	23.89	24.04	2.48E-05	9.24E-06	1.62E-01	6.73E-03	2.68E-02	4.41E-01	6.03E-01
217.03672	22.49	17.90	18.34	18.19	18.09	8.04E-03	3.90E-03	1.16E-01	5.07E-01	6.31E-01	2.29E-01	8.74E-01
217.04899	22.82	17.23	17.30	17.02	17.55	1.28E-02	9.67E-01	4.80E-01	1.82E-01	2.55E-01	4.22E-01	5.34E-03
217.05548	17.16	16.88	16.27	15.91	15.95	2.24E-06	1.09E-02	6.08E-06	3.96E-05	2.66E-01	4.22E-01	9.95E-01
217.0731	289.21	17.47	16.71	16.90	16.78	1.50E-09	8.47E-09	2.09E-05	4.64E-07	3.94E-01	9.37E-01	7.79E-01
217.08353	19.26	17.70	17.99	18.25	18.44	6.24E-07	1.17E-01	1.69E-04	6.36E-07	2.08E-01	7.76E-03	5.34E-01
217.08439	289.31	17.51	16.41	16.68	16.26	4.04E-10	8.35E-08	6.31E-05	2.86E-09	4.99E-01	8.75E-01	1.48E-01
217.09273	209.53	15.28	8.96	9.65	9.82	1.56E-30	5.77E-15	2.20E-14	3.89E-14	5.43E-01	3.77E-01	9.89E-01
217.10917	203.59	17.35	16.92	16.79	16.55	4.82E-08	4.21E-03	7.56E-05	1.89E-08	7.57E-01	3.07E-02	2.62E-01
217.11984	22.26	16.76	17.03	17.18	17.26	2.57E-08	5.88E-03	2.81E-06	6.50E-08	2.80E-01	4.39E-02	7.98E-01
217.47588	18.11	13.35	15.35	17.46	17.33	2.79E-31	2.45E-08	5.33E-15	7.99E-15	7.48E-09	1.52E-07	9.84E-01
217.5816	66.1	14.04	15.27	12.34	12.93	2.47E-61	4.26E-14	5.11E-15	5.02E-14	5.11E-15	5.11E-15	5.90E-05
218.00886	70.09	13.90	14.71	14.96	14.98	2.07E-08	1.67E-04	3.01E-07	5.00E-07	5.68E-01	5.36E-01	1.00E+00
218.03521	20.66	19.68	20.81	20.52	20.41	2.11E-26	5.77E-15	4.41E-14	1.23E-12	1.10E-02	3.49E-04	7.01E-01
218.06732	192.3	20.62	21.30	21.07	21.85	1.82E-06	9.25E-03	1.49E-01	3.82E-07	7.21E-01	7.31E-02	3.34E-03

218.0939	209.18	13.93	10.75	11.26	8.99	4.94E-08	2.82E-04	3.00E-03	1.16E-08	9.15E-01	1.36E-01	2.68E-02
218.10396	17.47	21.83	22.12	22.17	22.39	5.66E-04	1.20E-01	3.92E-02	1.83E-04	9.75E-01	1.81E-01	3.63E-01
218.87783	74.76	15.94	17.35	18.02	17.23	3.33E-47	5.11E-15	5.11E-15	1.53E-14	5.19E-08	7.38E-01	3.98E-10
218.8873	77.95	16.00	15.71	16.11	16.47	5.17E-13	4.67E-03	6.11E-01	1.74E-06	6.32E-05	8.95E-14	4.43E-04
218.95022	36.14	21.11	22.09	21.75	21.68	1.17E-05	3.19E-06	4.35E-03	1.90E-02	2.97E-01	1.77E-01	9.86E-01
218.96358	145.7	16.31	14.74	15.41	15.88	8.12E-15	4.55E-14	5.35E-06	9.19E-02	1.72E-03	4.31E-08	6.40E-02
218.98595	164.05	14.97	15.06	14.83	15.10	4.66E-01	9.65E-01	8.43E-01	8.90E-01	5.88E-01	9.94E-01	4.48E-01
218.99445	31.8	17.37	14.38	13.96	15.84	1.55E-14	1.34E-10	2.52E-13	3.02E-03	7.69E-01	6.76E-03	1.91E-04
219.01507	26.12	21.89	21.28	21.53	21.78	2.89E-05	2.76E-05	2.58E-02	8.45E-01	2.52E-01	1.82E-03	2.40E-01
219.0365	22.22	18.56	17.80	17.46	17.82	3.31E-18	6.00E-10	4.20E-14	4.11E-09	1.72E-02	9.98E-01	1.30E-02
219.04681	21.75	19.05	19.11	19.03	18.93	5.78E-01	9.62E-01	1.00E+00	7.70E-01	9.39E-01	5.02E-01	8.32E-01
219.0519	167.06	15.69	15.64	15.52	15.47	2.19E-01	9.75E-01	4.27E-01	2.55E-01	7.11E-01	5.02E-01	9.82E-01
219.07077	20.88	16.48	14.89	14.29	15.24	1.69E-41	5.77E-15	5.11E-15	4.40E-14	5.07E-05	5.24E-02	1.47E-10
219.08875	288.41	17.53	16.31	16.70	16.41	6.84E-14	1.18E-12	1.01E-06	1.51E-10	7.26E-02	9.34E-01	2.84E-01
219.10236	169.44	16.05	14.94	15.36	15.49	4.32E-11	5.38E-12	1.86E-05	1.42E-03	2.87E-02	2.42E-03	8.16E-01
219.10752	20.23	18.02	18.15	18.24	18.49	2.66E-02	7.97E-01	4.30E-01	1.38E-02	9.40E-01	1.58E-01	4.09E-01
219.13928	184.29	16.24	15.75	15.94	15.70	2.67E-04	1.33E-03	1.06E-01	5.59E-04	4.68E-01	9.89E-01	3.08E-01
219.17573	218.14	16.33	16.57	16.52	16.41	2.44E-01	2.33E-01	4.61E-01	9.35E-01	9.72E-01	6.14E-01	8.51E-01
219.95359	34.26	14.99	16.31	16.29	16.10	4.67E-09	1.35E-07	1.64E-07	1.89E-05	1.00E+00	8.31E-01	8.68E-01
219.979	22.92	16.78	17.42	17.56	17.25	8.44E-07	7.09E-05	8.08E-07	7.93E-03	8.04E-01	6.83E-01	1.91E-01
219.99022	21.85	14.03	11.29	14.79	16.13	2.03E-30	1.67E-13	1.00E-01	2.67E-08	4.16E-14	5.11E-15	1.02E-03
220.01842	30.09	17.58	16.78	17.08	17.31	2.46E-06	8.95E-07	3.85E-03	2.76E-01	1.99E-01	4.50E-03	4.43E-01
220.02812	76.74	10.53	14.55	14.45	15.32	6.68E-29	4.04E-14	4.06E-14	6.88E-15	9.96E-01	2.31E-01	1.43E-01
220.03319	21.43	17.13	18.73	18.47	18.43	1.57E-40	5.11E-15	5.11E-15	5.77E-15	7.49E-02	2.83E-02	9.68E-01
220.0501	18.24	24.02	24.21	24.14	23.96	3.12E-01	5.34E-01	8.37E-01	9.68E-01	9.57E-01	3.15E-01	6.03E-01
220.07344	207.24	16.48	13.67	14.03	14.48	3.39E-19	4.42E-14	7.28E-14	1.36E-09	6.07E-01	4.36E-02	4.63E-01
220.08275	273.04	20.92	20.68	20.42	20.82	6.78E-02	5.86E-01	4.88E-02	9.55E-01	5.75E-01	8.99E-01	2.09E-01
220.09249	175.86	13.84	13.62	15.05	11.17	1.64E-09	9.76E-01	1.04E-01	1.31E-05	4.53E-02	1.27E-04	2.62E-10
220.14697	291.2	16.62	16.90	16.84	17.08	2.30E-02	2.11E-01	4.04E-01	1.14E-02	9.79E-01	6.44E-01	3.97E-01
220.14714	200.03	16.84	15.53	15.51	15.47	9.70E-16	1.11E-11	3.65E-12	5.37E-12	1.00E+00	9.90E-01	9.97E-01
220.85261	20.06	15.00	11.92	11.08	12.53	5.14E-12	6.82E-08	4.69E-12	3.57E-05	3.94E-01	6.81E-01	4.13E-02
220.94478	155.89	16.65	16.75	16.87	17.55	2.45E-04	9.68E-01	7.08E-01	2.16E-04	9.34E-01	1.76E-03	1.11E-02
220.96586	37.27	22.16	23.63	23.44	23.35	2.37E-25	2.09E-14	4.29E-14	4.52E-14	4.81E-01	1.96E-01	9.30E-01
221.01236	288.98	10.40	19.35	19.29	11.75	5.32E-92	5.11E-15	5.11E-15	2.60E-04	9.98E-01	5.11E-15	5.11E-15
221.02151	31.31	15.78	15.14	14.66	15.25	1.42E-05	1.85E-02	2.58E-06	8.65E-02	1.35E-01	9.61E-01	4.70E-02
221.03932	93.13	14.84	14.49	14.92	15.47	1.58E-02	6.14E-01	9.90E-01	1.36E-01	4.41E-01	6.92E-03	2.62E-01
221.04843	23.56	16.13	16.70	15.76	16.59	3.67E-02	3.47E-01	7.17E-01	5.67E-01	4.23E-02	9.89E-01	1.08E-01
221.0533	19.07	27.60	28.12	27.87	27.81	4.43E-03	1.56E-03	1.99E-01	4.81E-01	3.25E-01	1.53E-01	9.66E-01
221.06705	201.82	18.42	16.96	16.54	16.92	4.89E-27	4.44E-14	6.22E-15	4.31E-14	3.86E-02	9.94E-01	8.89E-02
221.06709	288.04	17.05	16.86	16.84	17.06	2.90E-01	5.68E-01	4.84E-01	9.99E-01	9.99E-01	5.32E-01	4.54E-01
221.07724	184.06	19.09	18.65	18.29	18.54	1.42E-02	2.93E-01	6.98E-03	1.43E-01	4.78E-01	9.77E-01	7.56E-01
221.07741	19.63	17.87	16.55	16.36	16.77	1.34E-35	5.33E-15	5.11E-15	4.02E-14	2.94E-01	2.01E-01	1.48E-03
221.08234	284.52	18.63	17.57	17.76	17.65	1.58E-17	4.53E-14	2.92E-11	7.77E-13	4.47E-01	9.30E-01	8.36E-01
221.08624	174.03	19.15	18.13	18.13	18.40	1.23E-21	4.10E-14	4.33E-14	1.66E-10	1.00E+00	8.19E-02	7.02E-02
221.11851	292.09	17.33	17.19	17.28	17.21	6.00E-01	6.09E-01	9.73E-01	7.33E-01	8.62E-01	9.98E-01	9.32E-01

221.15479	286.23	18.00	18.22	18.24	18.35	1.59E-02	1.81E-01	1.32E-01	9.23E-03	9.99E-01	6.50E-01	7.21E-01
221.89082	93.73	15.46	14.53	13.87	14.19	4.07E-05	3.34E-02	2.50E-05	1.94E-03	2.33E-01	7.83E-01	8.04E-01
221.96912	41.31	16.70	18.11	17.87	17.81	1.58E-25	1.55E-14	4.33E-14	4.41E-14	2.30E-01	1.02E-01	9.68E-01
221.97566	20.52	19.18	20.34	20.07	20.03	4.74E-34	5.11E-15	2.51E-14	4.15E-14	5.64E-03	1.73E-03	9.69E-01
221.9848	21.4	22.95	24.72	24.72	24.41	1.38E-44	5.11E-15	5.11E-15	5.33E-15	1.00E+00	4.53E-02	4.42E-02
221.99999	27.61	17.38	17.77	18.27	17.09	1.17E-11	5.54E-02	8.12E-08	2.67E-01	7.72E-03	2.40E-04	2.03E-11
222.03071	27.7	16.54	14.16	14.86	15.45	3.16E-15	4.22E-14	7.42E-09	5.88E-04	5.51E-02	4.62E-05	1.47E-01
222.04931	22.59	22.49	22.66	22.48	22.68	1.29E-01	3.55E-01	1.00E+00	3.08E-01	3.30E-01	9.99E-01	2.86E-01
222.05388	22.26	16.64	16.70	16.53	16.33	2.28E-02	9.72E-01	7.46E-01	5.37E-02	4.97E-01	2.09E-02	4.04E-01
222.05919	20.1	18.05	18.11	18.03	17.76	2.29E-01	9.88E-01	9.99E-01	3.39E-01	9.73E-01	2.14E-01	4.18E-01
222.07706	21.91	17.49	17.38	17.42	17.32	6.61E-01	8.63E-01	9.55E-01	6.00E-01	9.94E-01	9.66E-01	8.85E-01
222.07857	289.93	18.56	16.66	16.68	16.51	4.26E-12	6.13E-09	6.52E-09	9.34E-10	1.00E+00	9.62E-01	9.45E-01
222.0894	153.8	16.22	14.75	15.08	14.86	4.86E-16	7.39E-14	2.03E-09	6.31E-12	2.49E-01	9.26E-01	6.34E-01
222.09855	290.15	17.27	16.45	16.15	16.86	4.02E-09	2.72E-05	3.21E-09	1.04E-01	3.24E-01	1.18E-01	7.03E-04
222.1139	143.2	14.54	12.12	12.08	13.11	3.69E-19	4.40E-14	4.24E-14	2.98E-06	9.99E-01	3.41E-03	1.78E-03
222.15832	187.11	15.47	13.57	13.72	14.53	5.52E-11	7.88E-10	9.78E-09	7.07E-03	9.59E-01	7.81E-03	3.10E-02
222.91608	30.74	16.90	17.49	17.48	17.57	7.40E-07	5.04E-05	6.29E-05	6.07E-06	1.00E+00	9.41E-01	9.10E-01
222.92649	119	14.91	13.98	14.03	14.12	1.36E-11	6.62E-10	3.81E-09	4.12E-07	9.84E-01	7.53E-01	9.16E-01
222.93706	150.22	15.67	14.30	13.80	14.71	8.26E-15	6.53E-09	4.62E-14	1.26E-04	1.15E-01	2.69E-01	4.62E-04
222.94226	85.29	15.78	15.97	16.06	16.84	5.43E-13	4.59E-01	1.20E-01	4.19E-13	8.88E-01	5.24E-09	1.69E-07
222.9615	44.03	15.84	16.55	16.56	16.76	9.93E-24	5.01E-14	4.44E-14	2.73E-14	9.98E-01	6.86E-02	9.66E-02
222.97007	42.06	15.75	16.41	16.10	16.21	1.50E-04	5.63E-05	6.72E-02	1.18E-02	1.76E-01	5.74E-01	8.98E-01
222.98408	28.87	16.25	17.34	17.64	17.31	1.03E-35	1.40E-14	5.11E-15	3.02E-14	1.29E-02	9.86E-01	5.51E-03
222.98821	18.13	16.86	18.55	18.56	18.26	2.40E-42	5.11E-15	5.11E-15	6.00E-15	1.00E+00	6.44E-02	5.28E-02
223.02013	192.03	15.75	14.11	14.54	14.75	6.76E-07	3.06E-07	2.43E-04	5.22E-03	4.57E-01	1.59E-01	9.07E-01
223.02035	38.41	14.35	11.17	12.29	11.78	1.81E-04	1.38E-04	2.59E-02	4.28E-03	4.49E-01	8.64E-01	9.11E-01
223.02857	248.85	18.34	19.21	19.43	18.72	6.77E-10	2.39E-06	1.86E-09	1.22E-01	5.76E-01	2.83E-02	3.74E-04
223.03694	20.34	16.37	18.13	17.36	17.88	2.37E-07	3.33E-07	7.93E-03	2.51E-05	8.30E-02	8.79E-01	3.94E-01
223.05033	21.7	26.06	26.42	26.41	26.21	2.31E-02	3.88E-02	4.82E-02	7.21E-01	1.00E+00	4.24E-01	4.78E-01
223.05674	24.02	19.47	20.60	20.47	20.34	9.83E-18	4.29E-14	3.66E-13	8.96E-10	7.11E-01	1.76E-01	7.37E-01
223.07382	281.85	19.77	17.75	18.03	17.99	1.19E-48	5.11E-15	5.11E-15	5.11E-15	7.96E-02	2.13E-01	9.81E-01
223.08243	274.48	18.08	17.61	17.63	17.19	1.45E-10	4.76E-04	6.93E-04	1.16E-11	9.99E-01	3.63E-03	2.09E-03
223.09297	167.8	20.06	19.08	19.34	19.40	7.29E-06	3.96E-06	1.10E-03	4.97E-03	5.40E-01	3.92E-01	9.92E-01
223.09789	190.69	17.12	16.47	16.55	16.55	3.56E-07	1.90E-06	3.19E-05	7.52E-05	9.18E-01	9.13E-01	1.00E+00
223.10896	164.53	14.20	17.73	15.39	13.18	7.95E-32	1.98E-14	9.04E-04	9.04E-03	2.56E-11	5.11E-15	7.25E-10
223.10908	47	9.80	19.41	12.99	8.21	9.87E-60	5.11E-15	2.04E-09	9.24E-03	5.11E-15	5.11E-15	4.37E-14
223.13412	290.24	18.04	17.32	17.44	17.19	1.22E-10	9.47E-08	8.46E-06	6.86E-10	7.83E-01	7.37E-01	2.11E-01
223.17056	190.36	16.97	16.84	17.03	16.98	6.64E-01	8.41E-01	9.73E-01	1.00E+00	6.07E-01	8.35E-01	9.85E-01
223.90669	81.4	16.41	16.31	16.48	16.24	9.35E-04	3.42E-01	6.05E-01	3.55E-02	2.55E-02	7.14E-01	9.32E-04
223.96419	43.57	15.19	12.14	12.14	12.40	1.38E-12	4.37E-10	3.18E-10	2.90E-08	1.00E+00	9.43E-01	9.44E-01
223.97361	42.86	17.67	18.38	18.33	17.85	4.78E-04	1.94E-03	4.45E-03	7.95E-01	9.93E-01	5.46E-02	9.71E-02
223.98067	21.36	17.98	19.73	19.72	19.44	3.74E-47	5.11E-15	5.11E-15	5.11E-15	1.00E+00	4.09E-02	5.12E-02
223.98884	21.32	16.22	17.70	17.71	17.43	2.94E-37	5.11E-15	5.11E-15	2.64E-14	1.00E+00	8.40E-02	7.37E-02
223.99459	28.73	13.95	13.60	14.49	14.53	8.23E-02	8.26E-01	5.25E-01	4.92E-01	1.37E-01	1.29E-01	1.00E+00
224.01554	33.43	16.13	15.46	15.75	15.38	2.27E-05	2.61E-04	8.70E-02	5.47E-05	2.83E-01	9.66E-01	1.23E-01

224.02405	18.48	14.62	15.68	15.74	15.54	8.63E-10	9.60E-08	1.43E-08	9.14E-06	9.91E-01	8.74E-01	7.20E-01
224.02783	25.92	14.99	11.46	12.47	13.82	2.01E-13	3.58E-13	1.35E-07	5.00E-02	1.13E-01	4.15E-06	1.80E-02
224.0318	152.54	12.40	14.31	14.50	14.12	1.75E-05	3.09E-04	4.62E-05	2.11E-03	9.77E-01	9.79E-01	8.58E-01
224.05653	22.32	16.77	16.23	16.26	16.39	1.50E-09	1.33E-08	9.90E-08	1.47E-04	9.74E-01	3.12E-01	5.46E-01
224.05769	289.4	16.97	16.17	15.92	15.39	7.28E-09	4.34E-03	5.39E-05	2.04E-09	7.06E-01	9.31E-03	1.40E-01
224.06906	290.18	16.50	15.64	15.68	15.87	2.12E-02	2.93E-02	4.14E-02	1.93E-01	9.99E-01	8.96E-01	9.43E-01
224.07894	78.59	13.28	10.02	13.36	13.45	1.19E-16	4.87E-13	9.98E-01	9.77E-01	4.53E-13	5.49E-13	9.96E-01
224.09431	287.07	19.49	17.49	17.11	17.58	1.13E-54	5.11E-15	5.11E-15	5.11E-15	1.22E-02	8.91E-01	1.37E-03
224.1125	52.25	13.81	15.66	11.96	12.56	5.36E-88	5.11E-15	5.11E-15	2.69E-14	5.11E-15	5.11E-15	3.67E-06
224.13767	138.73	14.78	11.11	13.84	13.84	2.33E-68	5.11E-15	9.67E-10	2.86E-09	5.11E-15	5.11E-15	1.00E+00
224.14075	33.19	14.04	22.45	12.05	12.61	2.71E-146	5.11E-15	7.33E-15	9.19E-14	5.11E-15	5.11E-15	7.83E-03
224.17393	173.96	11.63	8.29	12.73	11.77	7.04E-11	6.46E-07	2.61E-01	9.95E-01	7.06E-11	8.47E-07	4.38E-01
224.17406	82.3	13.21	8.50	12.88	12.75	4.97E-19	4.15E-14	9.11E-01	8.09E-01	6.36E-14	5.46E-13	9.95E-01
224.89541	164.83	10.36	18.32	18.65	17.17	3.30E-45	5.11E-15	5.11E-15	5.11E-15	9.22E-01	1.44E-01	3.04E-02
224.91312	29.14	15.20	15.52	15.56	15.51	2.39E-01	3.86E-01	2.57E-01	4.18E-01	9.96E-01	1.00E+00	9.95E-01
224.91838	55.77	13.86	17.93	11.92	12.56	6.84E-138	5.11E-15	5.11E-15	5.77E-15	5.11E-15	5.11E-15	4.73E-08
224.92425	66.2	17.38	18.81	16.87	16.95	1.82E-91	5.11E-15	4.57E-14	1.13E-10	5.11E-15	5.11E-15	5.39E-01
224.94821	104.21	14.08	14.05	14.77	14.71	7.01E-03	9.99E-01	4.28E-02	9.41E-02	3.71E-02	8.13E-02	9.96E-01
224.95774	57.58	16.40	15.05	15.66	16.06	6.13E-04	2.95E-04	1.03E-01	7.30E-01	2.64E-01	2.04E-02	6.55E-01
224.97896	43.12	17.74	12.86	15.43	16.57	7.75E-30	5.11E-15	2.97E-09	8.87E-03	1.46E-10	4.30E-14	1.40E-02
224.99991	35.53	19.30	19.28	20.47	20.15	2.28E-13	9.99E-01	2.77E-10	1.21E-05	3.97E-10	1.20E-05	2.88E-01
225.02467	33.43	15.38	13.56	15.12	15.13	1.91E-09	5.62E-09	8.04E-01	8.31E-01	1.06E-06	2.26E-06	1.00E+00
225.02541	144.09	14.75	12.75	15.80	14.44	5.90E-15	3.95E-08	8.47E-03	7.92E-01	4.27E-14	1.56E-05	6.31E-04
225.05382	32.84	19.50	19.63	19.53	19.40	4.31E-01	7.53E-01	9.95E-01	8.81E-01	8.82E-01	3.47E-01	7.74E-01
225.06207	24.14	23.35	23.94	23.82	23.69	3.98E-05	2.66E-05	1.40E-03	4.75E-02	7.54E-01	2.22E-01	7.67E-01
225.07762	174.16	15.90	13.67	14.72	15.00	2.36E-13	6.03E-14	5.49E-05	4.95E-03	6.22E-04	1.72E-05	7.52E-01
225.0896	274.82	21.77	20.26	20.45	20.32	3.00E-33	5.11E-15	1.73E-14	7.33E-15	3.55E-01	9.53E-01	7.05E-01
225.0997	22.76	12.05	13.07	15.37	15.20	6.44E-07	4.27E-01	6.69E-06	4.57E-05	4.85E-03	1.51E-02	9.95E-01
225.11353	214.69	18.70	7.78	14.96	18.17	3.60E-64	5.11E-15	4.00E-13	6.86E-01	5.11E-15	5.11E-15	2.89E-09
225.11975	73.17	12.73	20.35	11.13	11.15	1.88E-122	5.11E-15	2.20E-13	1.78E-12	5.11E-15	5.11E-15	1.00E+00
225.1246	253.84	18.43	26.61	22.85	15.94	6.79E-59	5.11E-15	4.15E-14	3.16E-06	1.26E-12	5.11E-15	5.11E-15
225.14385	28.87	17.57	18.99	17.08	17.16	4.75E-88	5.11E-15	1.41E-13	7.13E-10	5.11E-15	5.11E-15	6.49E-01
225.14962	198.95	19.08	15.61	18.45	18.42	2.68E-35	5.11E-15	3.74E-02	3.41E-02	9.55E-15	1.91E-14	9.99E-01
225.14971	289.43	17.04	15.05	16.94	16.70	3.00E-12	4.32E-11	9.84E-01	6.34E-01	7.65E-10	2.16E-07	8.41E-01
225.16687	67.07	12.83	17.10	10.66	11.33	1.17E-68	5.11E-15	5.17E-14	1.52E-07	5.11E-15	5.11E-15	5.90E-02
225.18616	268.22	18.76	17.70	17.44	17.92	3.55E-19	9.01E-13	4.44E-14	2.90E-08	2.01E-01	4.11E-01	3.28E-03
225.22256	153.25	16.20	11.45	14.35	15.04	4.48E-45	5.11E-15	4.14E-11	1.04E-04	2.71E-14	5.11E-15	5.33E-02
225.23564	57.43	15.92	17.36	15.15	15.37	6.64E-47	7.77E-15	4.09E-09	8.98E-05	5.11E-15	5.11E-15	2.89E-01
225.24754	65.74	17.22	18.62	16.68	16.77	1.77E-75	5.11E-15	3.26E-12	2.18E-08	5.11E-15	5.11E-15	6.05E-01
225.32368	67.21	16.02	17.54	15.26	15.47	5.14E-92	5.11E-15	1.27E-14	3.52E-13	5.11E-15	5.11E-15	1.28E-02
225.33165	64.79	8.61	17.94	8.02	8.24	1.85E-144	5.11E-15	3.14E-03	1.43E-01	5.11E-15	5.11E-15	6.19E-01
225.97338	41.65	15.65	13.21	14.71	14.31	1.18E-11	1.25E-12	1.40E-02	2.24E-04	2.44E-05	5.43E-03	6.01E-01
225.98679	27.62	16.77	17.61	17.13	17.27	1.06E-05	2.21E-06	1.04E-01	1.49E-02	2.03E-02	1.80E-01	8.56E-01
226.00291	32.51	14.27	13.20	15.30	14.87	9.31E-13	3.32E-04	4.69E-04	1.14E-01	7.40E-13	3.19E-08	3.82E-01
226.01276	21.01	16.95	17.20	17.19	17.79	7.36E-05	4.75E-01	4.98E-01	2.29E-05	1.00E+00	7.42E-03	5.80E-03

226.04898	17.97	13.78	7.75	10.78	13.13	2.20E-25	1.15E-14	1.06E-07	6.06E-01	1.84E-07	4.37E-14	1.33E-04
226.06532	27.92	19.33	19.90	19.81	19.63	2.11E-04	2.32E-04	2.23E-03	1.49E-01	9.27E-01	2.28E-01	5.49E-01
226.07351	290.15	18.59	17.11	17.14	17.23	1.20E-43	5.11E-15	5.11E-15	5.11E-15	9.83E-01	6.00E-01	8.07E-01
226.08381	70.49	15.31	13.32	14.14	14.79	1.49E-23	1.42E-14	4.47E-10	1.89E-02	3.45E-05	3.30E-13	2.21E-03
226.08435	290.48	19.13	17.42	17.49	17.36	1.85E-56	5.11E-15	5.11E-15	5.11E-15	8.60E-01	9.41E-01	5.37E-01
226.09287	290.31	18.11	15.00	16.49	16.69	1.71E-23	7.33E-15	8.23E-09	1.14E-06	2.90E-07	1.84E-08	8.90E-01
226.10991	288.49	18.30	16.70	16.65	16.91	7.24E-31	8.88E-15	5.77E-15	4.27E-14	9.83E-01	4.39E-01	2.44E-01
226.12099	271.96	15.75	18.17	16.09	16.26	4.95E-15	6.51E-14	6.37E-01	3.15E-01	7.34E-11	6.93E-09	9.42E-01
226.12794	257.35	13.98	18.57	19.91	9.01	1.10E-26	2.57E-06	5.65E-10	6.29E-07	4.39E-01	4.13E-14	9.55E-15
226.1452	153.63	14.86	8.40	14.54	14.52	9.45E-70	5.11E-15	6.36E-01	6.11E-01	5.11E-15	5.11E-15	1.00E+00
226.18951	174.09	17.93	14.85	16.02	16.38	2.98E-19	3.91E-14	1.80E-09	3.07E-06	8.00E-04	1.02E-05	6.42E-01
226.89201	104.55	17.28	15.33	16.23	16.86	5.20E-21	3.51E-14	1.28E-07	1.06E-01	1.48E-05	7.46E-13	6.81E-03
226.91105	42.48	17.07	16.30	17.49	16.45	6.56E-08	1.41E-03	1.82E-01	1.97E-02	3.50E-07	9.03E-01	1.83E-05
226.93674	53.29	19.18	17.28	19.03	19.06	1.88E-42	5.11E-15	5.62E-01	7.51E-01	5.11E-15	5.11E-15	9.94E-01
226.99666	24	25.85	25.94	25.98	26.39	2.42E-05	8.15E-01	6.01E-01	1.40E-05	9.86E-01	7.86E-04	2.38E-03
227.04138	276.37	19.55	18.91	19.16	19.48	2.81E-05	5.05E-05	2.76E-02	9.61E-01	3.06E-01	9.16E-04	1.33E-01
227.05677	169.9	15.24	12.20	13.72	13.60	6.53E-09	6.02E-10	3.87E-03	2.42E-03	5.78E-03	1.76E-02	9.95E-01
227.06641	31.32	16.53	16.84	16.65	16.61	2.58E-01	1.94E-01	8.71E-01	9.54E-01	6.21E-01	5.13E-01	9.97E-01
227.06854	291.04	18.21	16.38	16.88	15.84	1.75E-14	1.35E-09	1.17E-05	7.42E-14	2.88E-01	2.35E-01	1.93E-03
227.08691	269.69	16.87	17.07	16.87	16.70	2.94E-02	3.14E-01	1.00E+00	4.62E-01	3.19E-01	1.33E-02	4.93E-01
227.09303	290.11	16.73	16.11	16.61	16.54	4.02E-02	2.77E-02	9.39E-01	8.37E-01	1.29E-01	2.54E-01	9.93E-01
227.0932	169.01	17.05	17.08	17.40	17.10	2.74E-02	9.92E-01	2.87E-02	9.70E-01	7.38E-02	9.98E-01	1.24E-01
227.10506	281.52	19.94	17.75	18.06	18.23	1.90E-41	5.11E-15	5.11E-15	6.22E-15	1.39E-01	6.72E-03	6.28E-01
227.12933	286.16	18.17	19.13	18.04	17.85	3.85E-28	4.39E-14	5.12E-01	8.54E-03	3.33E-14	6.22E-15	2.62E-01
227.1402	152.61	15.16	13.84	13.85	14.85	1.65E-16	2.06E-12	2.23E-12	2.84E-01	1.00E+00	3.59E-07	4.27E-07
227.14052	22.78	16.85	12.05	12.14	13.76	1.03E-26	1.91E-14	2.20E-14	9.45E-11	9.97E-01	1.06E-03	1.99E-03
227.16541	268.92	18.11	17.65	17.51	17.83	1.83E-06	3.50E-04	1.14E-06	8.20E-02	6.19E-01	4.08E-01	3.25E-02
227.20181	230.16	26.33	24.12	24.37	25.02	8.19E-12	5.44E-11	3.90E-09	2.50E-04	8.60E-01	3.07E-02	1.82E-01
227.98394	27.55	13.46	15.31	14.94	14.80	5.39E-09	8.18E-09	4.16E-06	7.41E-05	6.01E-01	3.51E-01	9.69E-01
228.00031	20.73	21.88	21.78	21.77	22.25	3.54E-04	8.24E-01	7.79E-01	1.22E-02	1.00E+00	9.93E-04	6.66E-04
228.03401	20.97	15.14	16.94	14.05	14.36	2.42E-62	5.11E-15	4.53E-14	2.48E-08	5.11E-15	5.11E-15	7.50E-02
228.05276	291.33	15.90	16.67	16.56	14.87	2.80E-11	1.12E-02	3.76E-02	3.42E-04	9.73E-01	2.65E-10	2.12E-09
228.06469	28.17	21.25	23.71	23.77	22.83	1.26E-77	5.11E-15	5.11E-15	5.11E-15	9.36E-01	4.66E-14	4.24E-14
228.08174	24.45	17.14	17.86	18.40	17.70	1.01E-20	1.13E-08	2.60E-14	2.19E-05	4.34E-05	5.48E-01	1.26E-07
228.08912	286.33	19.22	17.74	17.99	17.77	7.54E-39	5.11E-15	6.22E-15	5.11E-15	8.67E-02	9.92E-01	1.85E-01
228.09956	20.02	16.10	16.14	15.96	15.73	2.23E-01	9.97E-01	9.01E-01	2.88E-01	8.21E-01	2.22E-01	6.96E-01
228.10043	289.46	17.91	15.87	16.34	15.73	7.54E-18	7.15E-14	2.36E-09	4.56E-14	2.28E-01	9.40E-01	7.32E-02
228.12455	160.93	16.71	16.79	16.88	17.02	6.65E-02	8.85E-01	4.21E-01	4.60E-02	8.67E-01	2.49E-01	6.77E-01
228.13227	179.61	16.26	17.17	15.84	15.57	5.24E-23	1.62E-09	1.43E-02	1.66E-05	4.35E-14	2.93E-14	2.55E-01
228.16075	154.65	16.48	16.26	16.46	16.26	1.97E-01	3.41E-01	9.99E-01	3.80E-01	4.45E-01	1.00E+00	4.83E-01
228.16898	160.46	16.05	14.89	14.88	15.54	2.15E-12	5.03E-10	1.83E-10	1.90E-02	1.00E+00	2.12E-03	1.30E-03
228.20512	291.67	19.49	18.36	18.43	18.78	4.80E-39	5.11E-15	5.11E-15	4.13E-14	8.26E-01	1.86E-06	6.88E-05
228.84812	93.09	16.18	16.74	16.92	16.84	2.90E-13	2.31E-07	2.85E-12	1.52E-09	2.36E-01	7.20E-01	8.62E-01
228.90329	30.47	16.27	16.41	16.62	16.10	1.95E-01	9.24E-01	4.29E-01	9.06E-01	8.24E-01	5.97E-01	1.56E-01
228.90813	43.04	15.38	14.12	15.14	14.18	3.71E-06	7.43E-05	8.21E-01	2.81E-04	2.77E-03	9.97E-01	7.36E-03

228.91623	69.5	17.48	17.40	18.68	18.50	2.93E-18	9.55E-01	1.84E-12	6.27E-09	3.56E-13	1.07E-09	6.90E-01
228.97616	70.83	14.18	12.07	13.62	15.37	7.30E-17	3.31E-09	3.03E-01	2.58E-03	3.10E-05	4.40E-14	3.60E-06
229.0005	24.25	19.23	19.12	19.13	19.45	3.98E-02	8.17E-01	8.44E-01	2.69E-01	1.00E+00	4.89E-02	5.40E-02
229.01236	20.19	22.23	23.64	23.67	23.50	2.92E-25	4.07E-14	3.49E-14	4.42E-14	9.96E-01	7.67E-01	6.29E-01
229.02361	30.82	18.21	17.65	17.78	17.35	4.41E-02	2.40E-01	4.57E-01	2.57E-02	9.76E-01	7.63E-01	5.09E-01
229.04878	22.14	19.01	19.07	18.96	18.66	6.54E-02	9.84E-01	9.84E-01	1.16E-01	8.96E-01	5.97E-02	2.51E-01
229.05986	50.21	19.20	19.24	21.22	21.05	3.90E-29	9.96E-01	3.71E-14	4.40E-14	4.20E-14	4.44E-14	8.33E-01
229.07245	194.17	17.32	16.90	16.95	16.44	3.63E-05	7.34E-02	1.33E-01	6.45E-06	9.93E-01	5.24E-02	2.39E-02
229.07291	290.17	16.63	16.67	16.72	16.56	8.24E-01	9.96E-01	9.47E-01	9.75E-01	9.89E-01	9.24E-01	7.86E-01
229.08418	289.77	19.65	17.75	18.13	17.90	9.73E-66	5.11E-15	5.11E-15	5.11E-15	7.78E-05	2.84E-01	5.55E-02
229.08422	93.07	16.06	13.70	14.68	15.31	1.31E-27	5.11E-15	3.82E-12	4.83E-04	1.71E-06	7.58E-14	5.95E-03
229.09284	210.25	15.35	9.28	9.95	10.32	1.67E-25	2.31E-14	4.33E-14	4.26E-14	6.25E-01	2.74E-01	9.17E-01
229.10855	172.56	17.20	17.36	17.38	17.11	5.15E-02	4.65E-01	3.02E-01	8.57E-01	9.93E-01	1.40E-01	7.39E-02
229.14463	287.34	17.39	17.24	17.19	17.52	5.52E-02	6.26E-01	3.71E-01	7.40E-01	9.79E-01	1.47E-01	5.82E-02
229.15635	18.75	14.89	15.94	15.26	16.00	4.74E-02	9.67E-02	8.46E-01	8.28E-02	4.51E-01	9.99E-01	4.00E-01
229.18103	191.97	18.51	17.25	17.14	17.88	1.21E-18	7.34E-14	4.42E-14	3.06E-04	8.93E-01	5.42E-04	2.66E-05
229.19656	226.84	18.20	17.02	17.89	18.03	3.21E-26	7.11E-15	7.70E-03	3.18E-01	4.64E-14	4.35E-14	5.15E-01
229.20566	208.37	14.26	14.02	14.13	14.32	9.09E-01	9.41E-01	9.90E-01	9.99E-01	9.94E-01	9.09E-01	9.75E-01
229.20857	202.82	19.44	17.70	17.79	18.31	5.09E-25	2.66E-14	3.64E-14	1.90E-10	9.51E-01	2.03E-03	1.05E-02
229.98158	32.54	15.77	17.39	17.60	16.69	6.53E-39	5.11E-15	5.11E-15	1.41E-11	3.18E-01	4.81E-07	3.65E-11
229.99729	24.27	20.06	19.95	19.92	20.38	3.97E-04	7.42E-01	5.85E-01	2.51E-02	9.95E-01	1.41E-03	5.23E-04
230.00775	20.54	18.09	19.89	19.90	19.54	2.75E-24	3.96E-14	3.87E-14	1.99E-13	1.00E+00	2.26E-01	2.13E-01
230.01578	19.04	17.38	18.91	18.99	18.80	4.39E-24	4.31E-14	3.93E-14	4.31E-14	9.59E-01	9.20E-01	6.72E-01
230.05705	45.57	20.07	20.81	22.42	21.87	1.21E-25	1.84E-03	1.02E-14	5.13E-14	1.38E-12	8.43E-06	4.57E-02
230.06702	29.03	16.16	16.28	16.73	15.92	5.04E-06	8.38E-01	7.09E-04	3.85E-01	1.69E-02	9.24E-02	1.99E-06
230.0684	289.72	17.87	17.30	17.22	17.02	9.42E-12	5.70E-06	9.38E-08	1.60E-11	8.72E-01	7.46E-02	3.22E-01
230.07875	26.81	20.98	21.26	21.28	20.68	1.48E-03	3.09E-01	2.52E-01	2.68E-01	1.00E+00	4.27E-03	2.77E-03
230.10488	289.63	18.39	16.70	16.57	16.95	4.35E-40	5.11E-15	5.11E-15	1.07E-14	7.05E-01	2.17E-01	1.59E-02
230.14821	146.73	15.37	15.04	15.15	15.15	5.76E-02	3.67E-02	2.72E-01	3.15E-01	8.07E-01	8.10E-01	1.00E+00
230.15141	67.34	14.11	14.32	15.18	15.31	2.08E-09	7.52E-01	2.38E-06	2.84E-07	3.38E-04	5.00E-05	9.32E-01
230.53029	24.18	20.13	24.59	24.61	23.53	2.22E-49	5.11E-15	5.11E-15	5.11E-15	1.00E+00	7.43E-04	4.98E-04
230.84556	95.72	14.42	14.61	14.69	14.56	5.98E-01	8.00E-01	5.31E-01	9.07E-01	9.75E-01	9.97E-01	9.26E-01
230.90034	26.16	15.34	15.37	15.69	15.02	1.10E-01	9.99E-01	5.10E-01	6.25E-01	6.21E-01	5.63E-01	6.36E-02
230.914	86.87	14.74	13.97	15.25	15.14	8.95E-10	4.47E-04	4.07E-02	1.81E-01	2.59E-09	1.44E-07	9.50E-01
230.9291	149.19	15.29	16.39	16.17	16.28	1.23E-17	4.46E-14	4.25E-11	1.36E-12	3.23E-01	8.29E-01	8.52E-01
230.95901	147.4	10.67	13.50	13.92	14.63	5.13E-15	2.89E-08	1.25E-10	1.05E-13	8.12E-01	1.00E-01	4.64E-01
230.98647	153.36	15.76	14.39	14.52	15.54	6.79E-16	2.71E-12	1.31E-10	6.04E-01	8.98E-01	2.83E-08	7.27E-07
230.99789	21.84	18.22	18.27	18.07	18.73	1.33E-05	9.81E-01	6.30E-01	5.74E-04	4.19E-01	3.18E-03	6.29E-06
231.01679	19.32	15.73	16.57	16.53	16.56	8.07E-10	7.47E-08	2.74E-07	2.00E-07	9.91E-01	1.00E+00	9.94E-01
231.03106	19.47	17.77	21.85	21.78	20.88	1.09E-49	5.11E-15	5.11E-15	5.11E-15	9.92E-01	6.48E-04	1.60E-03
231.04591	19.16	17.05	16.71	16.58	16.65	9.62E-02	3.29E-01	8.91E-02	2.20E-01	9.24E-01	9.93E-01	9.86E-01
231.05128	136.46	15.54	15.78	15.86	15.41	9.83E-04	1.81E-01	3.55E-02	6.92E-01	9.15E-01	1.64E-02	1.85E-03
231.06048	62.18	15.12	15.73	17.41	16.96	8.58E-24	2.48E-02	3.24E-14	7.88E-14	2.17E-12	7.33E-07	1.78E-01
231.08208	30.68	24.91	25.31	25.34	24.76	3.26E-04	4.74E-02	2.47E-02	7.78E-01	9.97E-01	4.47E-03	2.01E-03
231.08852	204.03	18.07	12.54	11.95	14.86	2.59E-25	4.15E-14	1.75E-14	1.70E-07	7.19E-01	4.00E-04	4.01E-06

231.09931	18.38	15.08	15.57	15.31	15.83	2.45E-05	7.26E-03	4.38E-01	1.64E-05	3.13E-01	3.80E-01	6.19E-03
231.10008	289.45	17.36	15.55	16.34	15.86	4.37E-13	8.86E-13	7.06E-05	6.63E-09	4.67E-03	5.73E-01	1.90E-01
231.10856	208.52	15.09	9.62	9.76	10.11	9.28E-36	5.11E-15	5.11E-15	9.33E-15	9.89E-01	6.67E-01	8.38E-01
231.12401	190.22	16.48	16.20	16.17	16.14	3.08E-03	2.86E-02	1.18E-02	6.72E-03	9.93E-01	9.51E-01	9.92E-01
231.13924	195.51	16.58	16.21	15.94	15.96	1.45E-03	1.80E-01	2.41E-03	5.15E-03	4.50E-01	5.39E-01	1.00E+00
231.98779	33.27	16.21	17.34	17.08	16.60	5.43E-14	2.73E-13	1.03E-08	3.52E-02	2.60E-01	6.01E-06	6.47E-03
232.00558	59.93	16.79	14.89	15.05	15.45	7.12E-15	2.66E-13	1.07E-11	4.37E-07	9.04E-01	1.10E-01	3.72E-01
232.02716	28.22	14.34	12.81	14.69	15.34	3.26E-14	9.82E-07	6.01E-01	3.91E-03	3.06E-09	6.57E-14	1.28E-01
232.03851	110.12	17.89	17.24	17.14	16.82	1.04E-04	2.36E-02	6.41E-03	5.08E-05	9.80E-01	3.17E-01	5.29E-01
232.05529	60.79	15.69	15.94	17.86	17.53	8.13E-34	4.58E-01	5.33E-15	3.95E-14	3.20E-14	4.71E-14	2.76E-01
232.05951	25.27	19.82	18.93	19.19	19.32	1.71E-10	5.44E-11	3.37E-06	6.04E-04	1.70E-01	1.64E-02	7.46E-01
232.06543	19.93	13.92	12.24	12.96	16.25	4.92E-42	9.59E-12	1.34E-04	4.19E-14	1.01E-02	5.11E-15	5.11E-15
232.08292	255.23	20.65	18.99	18.57	19.14	1.96E-27	4.33E-14	5.77E-15	4.93E-14	7.50E-02	8.28E-01	7.73E-03
232.09432	20.66	14.56	15.29	16.09	15.26	6.53E-03	3.24E-01	2.20E-03	3.95E-01	2.64E-01	1.00E+00	2.46E-01
232.12014	200.32	16.11	14.81	14.58	14.38	1.57E-09	1.89E-05	2.33E-07	1.61E-08	8.33E-01	4.37E-01	9.00E-01
232.66793	261.02	15.17	15.02	14.76	14.96	5.35E-01	9.51E-01	4.52E-01	8.83E-01	7.98E-01	9.97E-01	9.04E-01
232.89306	98.39	14.97	15.50	15.65	15.69	6.61E-06	2.96E-03	5.32E-05	3.59E-05	7.69E-01	6.43E-01	9.95E-01
232.90278	97.7	14.99	14.71	14.34	15.29	1.00E-04	4.83E-01	6.18E-03	4.82E-01	2.75E-01	3.30E-02	5.78E-05
232.94471	164.14	15.45	18.00	18.27	19.08	1.72E-38	2.24E-14	5.33E-15	5.11E-15	6.34E-01	6.02E-05	4.49E-03
232.94489	40.47	19.46	20.46	20.55	20.34	1.26E-36	5.11E-15	5.11E-15	2.26E-14	6.66E-01	4.54E-01	4.86E-02
232.96575	170.99	19.32	18.02	17.83	18.53	2.57E-25	4.44E-14	1.42E-14	6.14E-08	5.01E-01	1.63E-03	4.77E-06
232.96587	71.23	17.98	16.69	16.14	16.35	7.45E-15	1.87E-07	1.09E-13	1.08E-10	7.39E-02	4.66E-01	8.02E-01
232.97581	207.68	14.74	7.74	8.17	9.86	4.09E-41	5.11E-15	5.11E-15	3.69E-14	7.85E-01	7.52E-05	2.31E-03
232.98404	26.12	16.55	15.85	15.55	15.78	7.14E-09	9.86E-05	4.91E-09	2.16E-05	2.22E-01	9.70E-01	4.87E-01
233.00882	25.28	15.21	14.08	14.93	15.58	7.83E-04	8.77E-03	8.52E-01	7.40E-01	9.09E-02	4.73E-04	2.96E-01
233.03139	24.86	16.28	16.59	16.08	16.65	2.72E-03	2.43E-01	5.91E-01	1.33E-01	1.34E-02	9.86E-01	5.68E-03
233.06296	25.71	15.75	14.33	14.83	15.09	1.87E-09	3.51E-10	6.64E-05	1.07E-02	8.24E-02	3.28E-03	6.36E-01
233.07856	18.99	16.44	16.94	17.30	17.41	7.51E-07	3.10E-02	1.97E-05	2.38E-06	2.22E-01	6.89E-02	9.29E-01
233.08647	29.38	18.98	18.85	18.92	18.63	7.43E-02	7.46E-01	9.71E-01	5.51E-02	9.45E-01	4.23E-01	1.62E-01
233.08699	191.44	19.41	19.22	18.95	19.56	5.20E-06	3.59E-01	4.19E-04	5.57E-01	9.64E-02	2.61E-02	4.02E-06
233.10408	177.55	17.22	16.83	16.85	16.52	5.62E-08	1.75E-03	3.02E-03	7.87E-09	9.98E-01	3.84E-02	2.18E-02
233.11809	176.26	15.72	14.92	15.15	15.00	1.46E-08	5.69E-08	1.64E-04	1.88E-06	3.29E-01	9.53E-01	6.76E-01
233.11886	89.68	15.41	13.60	14.67	14.88	1.55E-21	2.20E-14	3.48E-05	8.60E-03	3.60E-09	8.46E-12	5.89E-01
233.11894	21.9	16.98	15.12	16.04	17.24	1.29E-09	1.54E-07	1.89E-02	8.60E-01	2.77E-02	1.32E-08	2.58E-03
233.15482	290.9	19.06	19.01	19.05	19.27	2.66E-01	9.75E-01	1.00E+00	4.36E-01	9.89E-01	2.48E-01	3.98E-01
234.00852	20.5	18.35	17.57	17.51	17.96	1.81E-05	2.09E-04	5.00E-05	1.71E-01	9.91E-01	1.91E-01	1.00E-01
234.02613	19.94	15.36	16.98	16.55	17.03	6.00E-17	8.77E-14	1.71E-08	7.46E-14	1.32E-01	9.94E-01	8.28E-02
234.0356	151.26	16.20	15.04	14.73	15.48	2.99E-16	1.18E-10	4.25E-14	1.78E-04	2.55E-01	5.33E-02	1.05E-04
234.06236	173.15	17.56	17.18	17.17	17.63	1.11E-02	1.11E-01	9.32E-02	9.83E-01	1.00E+00	6.29E-02	5.21E-02
234.09028	187.15	16.93	16.27	15.94	16.60	3.13E-18	3.20E-09	4.29E-14	1.05E-02	9.48E-03	1.12E-02	1.41E-08
234.09856	253.22	21.99	19.53	19.44	19.78	1.00E-23	4.24E-14	4.06E-14	5.00E-14	9.83E-01	7.76E-01	5.53E-01
234.15821	205.9	17.68	17.47	17.47	17.48	1.70E-02	4.49E-02	3.54E-02	5.95E-02	1.00E+00	1.00E+00	1.00E+00
234.87106	20.11	16.47	16.05	16.00	16.86	4.93E-05	1.19E-01	6.41E-02	1.93E-01	9.95E-01	4.07E-04	1.40E-04
234.92418	34.59	21.78	22.06	21.07	21.30	2.00E-02	8.42E-01	1.42E-01	4.99E-01	2.17E-02	1.41E-01	9.13E-01
234.96073	103.88	15.71	15.66	16.35	16.07	3.05E-06	9.80E-01	4.68E-05	6.92E-02	1.56E-05	3.14E-02	2.23E-01

234.98145	170.48	16.30	15.91	15.86	16.37	9.05E-07	1.90E-03	2.67E-04	9.19E-01	9.66E-01	3.73E-04	4.89E-05
235.01169	17.35	19.01	18.51	18.10	17.85	1.06E-05	1.37E-01	5.64E-04	1.17E-05	3.10E-01	3.70E-02	7.28E-01
235.03169	33.17	16.51	17.00	16.82	16.61	8.45E-05	7.72E-05	2.64E-02	8.14E-01	3.66E-01	4.90E-03	2.71E-01
235.04006	20.62	16.42	16.49	16.42	16.63	2.44E-01	9.27E-01	1.00E+00	2.59E-01	9.31E-01	6.25E-01	2.75E-01
235.04626	138.72	15.53	15.13	15.18	15.17	9.14E-03	1.40E-02	4.02E-02	4.59E-02	9.81E-01	9.87E-01	1.00E+00
235.07376	293.75	17.71	17.16	16.90	17.13	5.71E-10	3.21E-05	2.59E-10	1.33E-05	1.35E-01	9.90E-01	2.73E-01
235.08336	17.83	16.29	14.55	13.66	14.33	1.44E-12	3.00E-06	8.48E-13	2.40E-07	4.96E-02	9.24E-01	2.32E-01
235.09286	263.13	17.49	16.56	16.67	16.53	2.18E-15	3.28E-12	4.09E-10	1.98E-12	8.26E-01	9.93E-01	6.84E-01
235.09804	153.26	15.30	14.14	13.68	14.09	1.41E-20	1.09E-11	3.91E-14	5.90E-12	2.47E-02	9.92E-01	6.40E-02
235.10191	279.03	18.07	17.06	17.03	17.30	1.29E-19	4.25E-14	4.33E-14	9.19E-10	9.96E-01	1.79E-01	1.09E-01
235.12164	170.79	16.48	16.09	16.08	15.89	1.79E-27	5.62E-14	4.29E-14	5.33E-15	9.80E-01	1.77E-04	6.80E-04
235.13427	190.63	17.61	17.32	17.27	17.21	1.09E-03	2.86E-02	7.01E-03	1.59E-03	9.74E-01	7.83E-01	9.51E-01
235.17055	209.73	18.74	18.13	18.17	18.03	9.05E-07	5.88E-05	1.76E-04	3.98E-06	9.91E-01	9.00E-01	7.58E-01
235.92734	59.93	17.90	16.46	17.25	17.11	9.07E-17	4.44E-14	7.74E-05	2.42E-06	2.30E-06	2.56E-04	8.04E-01
236.01577	31.61	18.06	19.06	19.24	18.09	2.29E-18	4.29E-10	1.71E-13	9.98E-01	6.05E-01	8.07E-09	5.40E-12
236.02169	23.78	20.26	20.44	20.58	20.26	7.83E-02	5.81E-01	1.03E-01	1.00E+00	7.63E-01	6.17E-01	1.32E-01
236.03103	30.09	13.07	13.93	14.46	13.71	1.26E-04	2.39E-02	3.43E-05	1.73E-01	3.22E-01	8.91E-01	8.23E-02
236.07796	185.37	17.58	17.61	17.26	17.93	1.88E-05	9.93E-01	5.25E-02	2.94E-02	3.12E-02	7.11E-02	3.17E-06
236.0941	17.81	15.80	10.19	9.06	13.18	1.32E-24	4.20E-14	1.98E-14	1.90E-04	2.62E-01	2.67E-05	2.70E-09
236.0956	172.52	15.98	15.34	15.52	15.08	2.15E-07	1.56E-04	1.33E-02	9.74E-08	6.04E-01	3.59E-01	2.40E-02
236.09573	289.44	16.36	17.42	18.26	17.24	7.39E-14	1.52E-05	4.70E-14	7.04E-04	1.37E-03	8.66E-01	9.03E-05
236.10561	289.78	19.06	19.09	19.17	19.43	3.14E-03	9.92E-01	6.77E-01	2.85E-03	8.50E-01	9.59E-03	8.01E-02
236.86154	75.74	21.22	22.26	22.13	21.77	1.04E-18	4.22E-14	8.74E-14	1.27E-05	6.51E-01	1.90E-04	1.02E-02
236.86638	24.02	14.74	15.66	15.23	15.58	1.69E-02	1.94E-02	3.94E-01	4.55E-02	5.37E-01	9.96E-01	7.01E-01
236.90577	136.81	15.94	14.88	15.10	15.64	3.77E-12	3.88E-11	1.22E-07	1.84E-01	4.60E-01	9.97E-06	2.79E-03
236.9224	58.13	18.79	17.19	17.67	17.55	7.33E-10	7.22E-10	2.13E-05	4.25E-06	1.87E-01	4.73E-01	9.58E-01
236.92845	81.21	16.08	13.99	15.19	14.99	1.81E-23	7.55E-15	3.03E-06	2.58E-08	8.21E-10	8.83E-07	6.91E-01
236.93986	39.88	23.00	23.63	23.80	23.65	4.73E-29	4.10E-14	5.33E-15	4.31E-14	5.34E-02	9.98E-01	9.86E-02
236.95286	25.23	14.73	15.26	15.54	14.79	5.78E-03	1.64E-01	9.14E-03	9.95E-01	7.19E-01	3.11E-01	3.08E-02
236.97886	25.52	15.61	15.41	15.42	16.01	1.85E-02	7.36E-01	7.79E-01	2.12E-01	1.00E+00	2.37E-02	2.78E-02
236.97914	138.19	14.97	14.54	14.35	14.66	1.72E-05	3.31E-03	5.78E-06	7.62E-02	4.53E-01	7.78E-01	8.03E-02
236.99978	33.96	14.25	14.11	14.72	14.35	2.43E-01	9.67E-01	4.04E-01	9.90E-01	2.03E-01	8.82E-01	6.42E-01
237.01906	30.98	12.71	13.78	14.29	12.54	4.16E-11	3.11E-04	2.71E-08	9.30E-01	2.34E-01	6.63E-05	6.24E-09
237.02569	23.35	18.71	18.71	18.57	18.97	5.97E-02	1.00E+00	7.58E-01	2.58E-01	7.68E-01	2.86E-01	3.37E-02
237.06204	146.88	16.54	15.98	16.10	16.37	5.97E-05	8.97E-05	2.69E-03	5.28E-01	8.08E-01	2.29E-02	1.81E-01
237.07898	130.5	14.36	11.21	12.59	13.32	9.84E-28	5.11E-15	1.36E-11	2.07E-04	3.20E-07	9.88E-14	2.10E-02
237.09051	287.61	20.71	18.26	18.11	19.20	3.76E-14	2.43E-11	1.11E-12	9.86E-05	9.73E-01	3.94E-02	1.10E-02
237.10863	269.47	18.79	17.51	17.42	17.45	2.58E-25	4.26E-14	3.73E-14	4.42E-14	9.20E-01	9.77E-01	9.97E-01
237.11357	184.75	16.89	16.25	16.59	16.41	8.63E-07	4.54E-07	4.32E-02	3.55E-04	2.21E-02	5.64E-01	4.36E-01
237.14986	169.35	16.90	15.62	15.79	15.78	7.54E-12	1.70E-10	2.46E-08	6.12E-08	7.91E-01	8.28E-01	1.00E+00
237.18633	170.61	16.15	14.84	14.74	14.91	2.13E-12	2.90E-09	1.03E-10	4.44E-08	9.58E-01	9.88E-01	8.45E-01
237.22233	257.76	17.34	16.61	16.79	16.66	1.30E-05	3.39E-05	2.94E-03	2.22E-04	6.65E-01	9.89E-01	8.58E-01
237.86479	91.35	14.44	14.89	15.12	14.71	1.15E-02	1.40E-01	6.15E-03	5.98E-01	6.94E-01	8.40E-01	2.29E-01
237.94329	42.65	17.22	17.87	17.98	17.82	1.47E-27	4.17E-14	7.11E-15	4.26E-14	3.32E-01	8.89E-01	8.52E-02
237.97402	36.82	17.03	15.94	17.04	15.94	1.88E-05	1.35E-03	1.00E+00	2.07E-03	1.56E-03	1.00E+00	2.34E-03

237.98936	19.24	17.98	20.52	20.48	20.17	9.00E-34	5.11E-15	5.11E-15	3.29E-14	9.98E-01	3.32E-01	4.18E-01
238.01044	28.09	14.21	13.01	13.63	14.56	6.05E-06	3.75E-04	1.88E-01	6.61E-01	1.76E-01	7.71E-06	1.46E-02
238.01864	35.54	15.37	12.79	13.20	14.13	3.54E-07	5.77E-07	2.85E-05	5.08E-02	8.28E-01	3.55E-02	2.28E-01
238.02482	31.65	17.06	16.75	16.24	18.54	2.27E-18	4.83E-01	1.31E-03	2.81E-09	1.17E-01	2.81E-12	4.14E-14
238.03975	19.2	13.49	11.66	15.22	17.20	7.49E-70	4.36E-14	4.66E-14	5.11E-15	5.11E-15	5.11E-15	4.22E-14
238.04905	163.44	15.24	14.46	14.83	15.04	2.00E-03	9.42E-04	1.83E-01	7.67E-01	2.79E-01	3.82E-02	7.70E-01
238.07356	290.63	16.99	16.49	16.12	15.57	2.32E-07	1.56E-01	1.26E-03	7.79E-08	3.88E-01	1.26E-03	1.16E-01
238.08435	128.31	15.37	14.59	14.46	14.82	4.60E-11	4.74E-08	1.06E-10	2.85E-04	7.47E-01	3.47E-01	4.21E-02
238.08476	291.48	19.50	17.13	17.02	17.31	5.93E-73	5.11E-15	5.11E-15	5.11E-15	6.97E-01	3.60E-01	3.59E-02
238.09335	293.96	17.81	17.81	17.51	18.23	1.01E-06	1.00E+00	6.29E-02	3.13E-03	7.18E-02	4.61E-03	1.36E-07
238.09354	196.94	17.43	17.92	17.92	18.54	4.75E-12	1.70E-03	1.55E-03	2.96E-13	1.00E+00	1.07E-04	8.81E-05
238.11014	288.32	16.88	13.61	13.34	13.99	2.05E-13	3.19E-10	7.54E-12	6.57E-08	9.47E-01	8.69E-01	5.58E-01
238.13005	55.46	17.01	15.63	18.23	18.39	2.33E-45	4.91E-14	1.55E-12	6.43E-14	5.11E-15	5.11E-15	7.80E-01
238.85974	77.21	18.79	19.66	19.61	19.27	9.95E-17	5.44E-14	1.80E-13	4.25E-05	9.68E-01	1.82E-03	7.53E-03
238.87728	64.26	21.41	22.34	22.38	21.97	1.59E-24	4.01E-14	2.93E-14	3.20E-08	9.57E-01	8.47E-04	1.03E-04
238.91716	91.46	14.54	13.13	14.17	14.06	3.49E-03	1.60E-03	7.63E-01	6.03E-01	4.05E-02	1.03E-01	9.91E-01
238.92141	145.72	16.19	15.60	15.88	16.10	3.46E-04	2.91E-04	1.23E-01	9.35E-01	2.29E-01	5.26E-03	4.28E-01
238.9321	27.6	19.68	20.00	20.52	19.60	1.73E-08	1.48E-01	3.40E-07	9.61E-01	4.82E-03	6.36E-02	1.32E-07
238.93798	47.49	18.76	19.41	19.51	19.35	6.12E-30	2.95E-14	5.33E-15	4.37E-14	3.39E-01	7.53E-01	4.40E-02
238.94404	50.23	15.64	16.23	16.31	16.13	1.34E-12	2.61E-09	9.80E-12	1.58E-06	8.21E-01	7.34E-01	2.38E-01
238.95803	36.07	16.25	15.61	15.61	15.65	8.63E-03	2.17E-02	2.09E-02	4.62E-02	1.00E+00	9.97E-01	9.98E-01
238.99477	30.5	16.45	15.54	15.59	15.30	1.04E-09	1.89E-06	5.51E-06	3.45E-09	9.93E-01	5.59E-01	3.92E-01
239.01571	33.63	16.84	16.52	16.18	16.61	1.66E-01	6.96E-01	1.09E-01	8.66E-01	6.69E-01	9.92E-01	5.08E-01
239.02291	26.53	16.94	16.24	16.04	16.00	9.89E-07	1.14E-03	9.20E-06	9.14E-06	6.97E-01	6.15E-01	9.98E-01
239.03153	26.9	15.16	15.54	15.52	16.21	9.49E-04	4.33E-01	4.64E-01	2.84E-04	1.00E+00	4.87E-02	3.90E-02
239.035	19.08	17.89	18.75	18.66	18.33	6.36E-25	2.11E-14	4.20E-14	5.24E-07	6.06E-01	1.96E-06	3.26E-04
239.0601	249.48	18.29	19.08	19.33	18.71	2.21E-09	9.32E-06	1.91E-09	5.37E-02	4.03E-01	1.30E-01	1.38E-03
239.0681	19.07	14.42	13.51	13.55	14.83	1.75E-04	3.53E-02	4.32E-02	6.17E-01	1.00E+00	1.23E-03	1.55E-03
239.0688	206.77	17.00	13.76	13.97	14.30	1.40E-28	9.33E-15	2.26E-14	4.33E-14	8.79E-01	2.43E-01	6.51E-01
239.06885	291.08	17.69	16.73	16.76	16.93	8.70E-10	1.94E-08	4.73E-08	1.97E-05	9.96E-01	6.22E-01	7.47E-01
239.07753	190.23	19.41	19.92	19.90	19.28	2.61E-06	1.67E-03	2.99E-03	7.97E-01	9.97E-01	1.09E-04	2.04E-04
239.0888	290.17	16.84	11.40	11.27	13.16	1.64E-37	5.11E-15	5.11E-15	4.33E-14	9.87E-01	1.55E-04	3.36E-05
239.0928	154.4	15.47	14.58	14.96	14.99	1.23E-04	2.85E-05	3.53E-02	7.23E-02	2.09E-01	1.67E-01	9.98E-01
239.09703	66.42	14.77	13.30	15.41	15.97	1.98E-33	1.05E-13	1.96E-03	2.01E-09	1.15E-14	5.11E-15	1.51E-02
239.10434	48.08	14.63	20.02	13.95	12.95	1.96E-64	5.11E-15	9.34E-02	3.62E-07	5.11E-15	5.11E-15	6.33E-03
239.10527	280.43	20.11	18.41	18.61	18.71	9.54E-32	5.11E-15	1.35E-14	3.99E-14	4.33E-01	1.23E-01	8.73E-01
239.11562	26.49	13.98	15.93	15.82	15.93	1.31E-09	1.05E-07	4.75E-07	2.48E-07	9.86E-01	1.00E+00	9.89E-01
239.12923	188.89	17.69	17.12	17.16	17.15	1.75E-08	4.24E-07	2.86E-06	3.43E-06	9.73E-01	9.92E-01	9.99E-01
239.12926	290.86	16.98	16.32	16.60	16.60	3.71E-03	1.34E-03	1.27E-01	1.52E-01	4.22E-01	4.46E-01	1.00E+00
239.14053	84.32	9.55	19.12	11.69	8.22	3.68E-49	5.11E-15	1.04E-03	1.04E-01	5.11E-15	5.11E-15	1.05E-07
239.16554	187.84	17.62	17.01	16.98	17.27	2.31E-05	1.84E-04	6.00E-05	8.59E-02	9.96E-01	3.14E-01	2.09E-01
239.20178	289.77	17.78	17.42	16.92	17.47	1.53E-14	1.38E-03	4.40E-14	1.01E-02	6.19E-06	9.65E-01	1.13E-06
239.80641	243.15	16.04	14.91	15.46	14.96	2.39E-06	8.70E-06	5.46E-02	4.17E-05	8.55E-02	9.96E-01	1.58E-01
239.88063	85.39	15.00	15.25	15.42	15.21	7.44E-05	2.99E-02	1.62E-05	1.11E-01	2.10E-01	9.72E-01	9.12E-02
239.91158	128.07	16.95	16.36	16.04	17.36	1.46E-12	2.85E-03	7.82E-07	8.63E-02	2.58E-01	2.97E-07	9.95E-12

239.92537	21.78	18.41	17.97	17.67	18.16	1.01E-03	7.81E-02	4.20E-04	5.55E-01	4.01E-01	7.46E-01	5.66E-02
239.93544	31.25	14.09	13.84	14.35	13.35	1.44E-02	8.41E-01	8.06E-01	8.01E-02	3.35E-01	4.10E-01	8.38E-03
240.01064	32.95	15.11	14.39	14.68	14.58	3.10E-02	1.99E-02	2.82E-01	1.59E-01	6.71E-01	8.82E-01	9.84E-01
240.02125	23.64	16.64	14.37	14.76	16.47	6.83E-10	9.58E-08	1.10E-05	9.73E-01	7.54E-01	3.56E-06	2.10E-04
240.05949	146.68	14.34	14.65	15.63	14.42	8.01E-05	7.34E-01	1.16E-04	9.94E-01	7.76E-03	8.87E-01	7.88E-04
240.06347	151.93	14.98	14.54	14.97	14.47	4.70E-03	6.23E-02	1.00E+00	2.91E-02	7.22E-02	9.86E-01	3.47E-02
240.08096	137.94	15.64	15.34	15.71	15.10	2.52E-05	9.43E-02	9.38E-01	4.69E-04	2.47E-02	3.28E-01	6.78E-05
240.08939	293.21	17.85	16.85	17.03	17.05	2.12E-14	2.70E-13	1.05E-09	7.68E-09	4.77E-01	4.32E-01	9.99E-01
240.10035	284.33	19.23	17.39	17.50	17.53	1.24E-51	5.11E-15	5.11E-15	5.11E-15	6.96E-01	5.90E-01	9.97E-01
240.12446	128.61	15.12	14.12	14.02	14.22	2.75E-14	1.20E-10	9.79E-13	1.79E-08	8.92E-01	9.02E-01	5.08E-01
240.14379	96.39	14.57	15.47	13.15	13.61	8.50E-80	1.42E-14	5.11E-15	7.77E-15	5.11E-15	5.11E-15	3.34E-07
240.1692	30.82	14.23	14.47	14.40	14.28	9.21E-01	9.22E-01	9.65E-01	9.99E-01	9.99E-01	9.66E-01	9.89E-01
240.20528	194.44	17.98	16.63	15.98	17.42	3.13E-18	3.96E-09	4.25E-14	4.34E-02	1.30E-02	2.61E-03	2.11E-09
240.85793	92.76	14.70	13.92	14.21	14.35	1.21E-05	2.93E-06	6.97E-03	1.06E-01	2.26E-01	3.77E-02	8.29E-01
240.8711	18.08	16.65	12.25	11.92	14.78	1.09E-41	5.11E-15	5.11E-15	6.02E-08	7.29E-01	1.42E-12	4.22E-14
240.87532	74.13	18.93	19.69	19.81	19.46	4.78E-21	4.57E-14	3.96E-14	5.45E-08	4.86E-01	5.77E-02	6.22E-04
240.88094	100.32	15.49	15.55	16.14	15.54	5.60E-09	9.46E-01	4.02E-08	9.61E-01	1.55E-06	1.00E+00	2.32E-06
240.9292	32.61	17.79	18.13	18.73	17.65	6.00E-10	1.52E-01	5.88E-08	8.16E-01	1.45E-03	2.41E-02	3.05E-09
240.95269	53.1	16.11	11.90	12.88	13.74	1.94E-24	1.07E-14	4.29E-14	5.06E-09	3.89E-02	1.30E-05	1.04E-01
240.97371	48.43	18.18	18.85	19.46	19.15	2.40E-18	3.26E-06	4.33E-14	4.13E-11	5.35E-05	1.37E-01	1.13E-01
240.99704	31.55	16.82	16.36	16.22	16.92	1.49E-07	2.89E-03	4.94E-05	8.61E-01	7.63E-01	3.32E-04	4.54E-06
241.03906	38.76	15.87	13.25	13.87	14.49	3.37E-14	7.26E-14	3.63E-09	1.47E-04	2.04E-01	1.09E-03	2.27E-01
241.05788	136.28	13.00	11.65	13.46	12.44	5.60E-02	1.80E-01	9.02E-01	8.41E-01	4.18E-02	6.78E-01	4.62E-01
241.06004	23.36	15.10	18.04	17.93	17.28	6.32E-26	2.49E-14	3.35E-14	3.71E-13	9.77E-01	3.48E-02	8.99E-02
241.07266	165.21	15.61	15.78	15.77	15.39	3.48E-03	4.40E-01	4.92E-01	2.05E-01	1.00E+00	5.57E-03	6.93E-03
241.08412	22.4	16.46	15.16	14.75	15.38	2.40E-06	4.32E-04	1.23E-06	6.99E-03	5.95E-01	9.14E-01	2.40E-01
241.08453	288.68	19.36	17.73	18.01	17.74	2.10E-47	5.11E-15	5.11E-15	5.11E-15	2.54E-02	9.99E-01	4.77E-02
241.09224	62.85	18.69	18.96	20.47	20.38	5.60E-15	7.05E-01	3.01E-11	9.16E-10	3.92E-08	5.73E-07	9.88E-01
241.12058	288.38	17.97	18.49	17.31	16.90	5.57E-24	9.00E-04	9.02E-06	2.55E-12	5.46E-14	2.33E-14	2.22E-02
241.14481	292.6	17.81	17.56	17.48	17.70	2.13E-03	2.91E-02	2.08E-03	6.65E-01	8.65E-01	4.18E-01	9.97E-02
241.18113	287.04	18.72	18.31	18.09	18.61	3.58E-06	7.34E-03	5.79E-06	8.51E-01	3.20E-01	1.03E-01	5.41E-04
241.2177	253.28	24.14	24.44	23.83	24.28	8.57E-06	4.89E-02	4.11E-02	5.90E-01	3.77E-06	6.04E-01	1.25E-03
241.9072	132.04	15.23	14.44	14.11	15.33	2.50E-09	8.99E-04	5.37E-07	9.63E-01	3.80E-01	3.19E-04	2.17E-07
241.92228	25.61	17.72	17.16	16.86	17.40	6.39E-05	1.47E-02	2.37E-05	3.23E-01	3.65E-01	6.22E-01	2.78E-02
241.96086	28.14	15.54	16.37	16.56	16.00	5.90E-03	3.65E-02	4.86E-03	4.60E-01	9.25E-01	6.65E-01	2.98E-01
242.01607	17.64	15.02	16.43	16.15	16.10	1.56E-13	7.57E-13	5.27E-09	7.27E-08	4.18E-01	3.03E-01	9.94E-01
242.04443	19.51	13.65	16.33	15.35	14.88	2.72E-05	7.31E-06	8.50E-03	1.19E-01	2.85E-01	5.33E-02	8.32E-01
242.06729	174.87	19.77	18.72	18.87	19.17	5.26E-08	9.79E-08	4.89E-06	6.57E-03	8.45E-01	8.63E-02	3.87E-01
242.08039	18.79	24.93	25.37	25.42	25.17	1.11E-05	2.03E-04	2.22E-05	1.29E-01	9.67E-01	2.41E-01	9.11E-02
242.096	55.59	12.14	11.82	15.15	14.37	2.19E-10	9.34E-01	2.19E-07	3.50E-04	2.51E-08	5.44E-05	5.05E-01
242.10482	288	17.77	16.72	16.85	16.83	4.89E-15	5.78E-13	1.36E-10	2.34E-10	7.73E-01	8.63E-01	9.99E-01
242.11499	130.99	14.86	9.19	14.17	14.71	2.13E-59	5.11E-15	5.11E-02	9.42E-01	5.11E-15	5.11E-15	2.36E-01
242.11702	23.13	14.11	15.86	9.26	9.31	6.11E-95	1.01E-13	5.11E-15	5.11E-15	5.11E-15	5.11E-15	9.97E-01
242.12324	26.2	11.18	21.00	13.77	9.99	2.78E-92	5.11E-15	1.36E-13	1.87E-03	5.11E-15	5.11E-15	1.71E-14
242.14003	144.63	15.58	14.90	14.71	15.14	2.69E-07	7.27E-05	1.81E-07	2.77E-02	6.31E-01	4.34E-01	3.86E-02

242.14825	149.76	15.21	14.94	14.67	15.15	4.36E-05	1.12E-01	4.34E-05	9.53E-01	1.14E-01	3.65E-01	9.38E-04
242.17657	276.23	17.15	16.65	16.96	17.03	2.59E-02	1.50E-02	6.39E-01	9.04E-01	2.71E-01	1.27E-01	9.70E-01
242.18453	151.69	16.83	16.84	16.42	16.97	4.00E-03	1.00E+00	3.42E-02	8.03E-01	3.62E-02	8.44E-01	3.44E-03
242.22088	251.02	21.28	21.48	20.95	21.30	3.79E-03	4.91E-01	8.59E-02	9.99E-01	1.61E-03	6.37E-01	7.97E-02
242.87357	88.34	15.00	14.47	14.93	14.97	2.42E-05	5.36E-05	9.38E-01	9.92E-01	7.62E-04	4.48E-04	9.93E-01
242.88513	51.7	17.27	15.68	17.04	17.28	1.69E-30	5.77E-15	2.86E-01	1.00E+00	3.95E-14	8.66E-15	2.92E-01
242.8963	93.95	15.49	14.70	14.99	15.14	3.53E-06	8.44E-07	3.54E-03	8.80E-02	2.04E-01	2.38E-02	7.69E-01
242.90542	108.83	15.89	15.02	14.78	15.60	8.79E-15	7.16E-09	1.99E-13	1.54E-01	3.28E-01	5.57E-04	2.81E-07
242.98551	190.58	16.03	14.94	14.74	15.06	1.54E-03	1.23E-02	1.55E-03	4.08E-02	9.41E-01	9.88E-01	8.11E-01
242.99199	19.46	18.53	18.07	17.91	18.13	1.42E-09	8.80E-06	6.18E-10	2.29E-04	3.05E-01	9.29E-01	9.81E-02
243.01162	28.51	16.13	17.66	17.04	16.79	1.05E-11	1.21E-12	2.41E-05	5.67E-03	1.19E-02	2.30E-04	6.19E-01
243.03954	18.61	17.82	19.70	19.62	19.52	3.73E-35	5.11E-15	5.11E-15	1.02E-14	9.38E-01	6.29E-01	9.18E-01
243.06286	22.09	22.42	21.75	22.00	22.15	2.10E-04	7.25E-05	2.35E-02	2.80E-01	3.79E-01	6.29E-02	7.74E-01
243.07079	144.05	16.98	15.52	15.30	15.94	1.67E-28	3.26E-14	5.33E-15	1.31E-11	3.77E-01	1.70E-02	4.81E-05
243.07958	180.35	15.65	15.91	16.02	15.46	1.42E-13	1.04E-03	8.58E-07	3.99E-02	4.12E-01	1.55E-08	1.80E-12
243.08393	18.41	20.86	21.24	21.27	21.02	5.71E-04	3.68E-03	1.23E-03	4.85E-01	9.93E-01	2.36E-01	1.37E-01
243.0882	174.83	16.11	16.14	16.37	15.72	4.50E-05	9.92E-01	1.39E-01	1.86E-02	2.69E-01	1.05E-02	9.55E-06
243.09999	288.89	19.40	17.57	17.83	17.87	8.93E-48	5.11E-15	5.11E-15	5.11E-15	7.78E-02	3.56E-02	9.80E-01
243.12402	172.59	17.79	17.42	17.51	17.12	1.02E-05	1.58E-02	9.54E-02	1.99E-06	9.03E-01	1.07E-01	1.77E-02
243.13569	26.78	11.43	16.63	8.10	8.87	3.45E-37	4.34E-14	4.04E-08	6.93E-05	5.11E-15	5.11E-15	5.55E-01
243.16038	188.53	19.11	18.22	18.29	18.58	1.91E-10	1.70E-09	2.03E-08	9.20E-04	9.60E-01	5.78E-02	1.67E-01
243.16071	18.5	17.23	16.67	16.28	17.06	2.14E-14	1.56E-05	9.95E-14	4.69E-01	5.11E-03	9.67E-03	3.95E-09
243.19687	287.25	17.46	17.23	17.17	17.48	9.89E-02	4.16E-01	2.00E-01	9.99E-01	9.76E-01	3.86E-01	1.89E-01
243.19688	179.93	19.20	20.26	19.02	18.95	1.21E-16	9.71E-11	5.88E-01	3.30E-01	1.71E-13	8.08E-14	9.66E-01
243.22482	235.56	17.70	17.34	17.77	17.73	2.80E-02	8.69E-02	9.74E-01	9.98E-01	3.44E-02	7.50E-02	9.97E-01
243.95747	24.09	18.98	19.01	18.96	19.20	1.97E-01	9.95E-01	9.98E-01	2.57E-01	9.77E-01	4.03E-01	2.01E-01
243.96725	21.87	22.03	22.45	22.57	22.62	1.59E-10	1.79E-05	2.47E-08	2.24E-09	5.96E-01	2.57E-01	9.20E-01
244.02353	16.71	18.87	21.61	21.27	20.86	2.64E-33	5.11E-15	7.33E-15	4.27E-14	3.34E-01	2.59E-03	2.13E-01
244.03199	31.69	15.32	16.82	16.34	16.95	5.80E-09	2.73E-07	7.91E-04	4.97E-08	2.83E-01	9.68E-01	1.25E-01
244.06631	21.81	18.63	17.61	18.04	18.14	4.36E-06	7.59E-07	8.57E-03	5.37E-02	1.14E-01	3.87E-02	9.55E-01
244.07282	82.48	14.68	12.36	13.65	15.22	4.30E-19	1.17E-13	1.53E-03	2.47E-01	5.87E-05	4.31E-14	1.43E-06
244.08364	197.98	18.53	16.73	16.57	16.62	3.74E-55	5.11E-15	5.11E-15	5.11E-15	4.62E-01	7.60E-01	9.72E-01
244.08403	290.1	17.64	17.05	17.07	16.93	6.33E-08	1.61E-05	2.69E-05	3.09E-07	9.99E-01	7.93E-01	7.02E-01
244.1382	25.96	16.09	16.22	15.91	16.09	6.09E-01	9.42E-01	8.44E-01	1.00E+00	5.30E-01	9.51E-01	8.63E-01
244.16384	141.96	15.17	14.02	13.68	14.32	3.23E-08	2.52E-05	1.72E-08	4.31E-03	5.07E-01	6.55E-01	5.93E-02
244.2002	175.53	16.48	17.48	16.14	16.22	1.55E-15	5.24E-09	1.41E-01	3.68E-01	8.55E-14	3.66E-12	9.71E-01
244.87736	31.39	15.91	14.73	15.40	14.50	4.99E-04	6.03E-03	4.78E-01	8.20E-04	2.55E-01	9.22E-01	7.32E-02
244.88245	67.6	15.79	15.87	14.87	15.08	1.90E-08	9.69E-01	5.17E-06	1.11E-03	1.27E-06	3.19E-04	7.03E-01
244.89811	29.47	17.63	18.42	18.68	18.24	1.51E-13	1.97E-08	1.27E-13	3.36E-05	1.99E-01	5.50E-01	6.95E-03
244.90617	152.42	18.92	18.68	18.25	18.40	3.05E-05	3.42E-01	2.80E-05	2.96E-03	2.01E-02	2.58E-01	7.53E-01
244.91105	90.47	14.28	14.44	14.90	14.79	1.22E-01	9.52E-01	1.36E-01	3.27E-01	3.90E-01	6.60E-01	9.80E-01
244.93195	289.81	17.54	17.61	17.35	17.51	1.49E-01	9.35E-01	3.17E-01	9.94E-01	1.14E-01	8.50E-01	5.16E-01
244.96954	24.08	15.83	15.99	15.98	16.24	3.45E-01	8.88E-01	9.05E-01	2.60E-01	1.00E+00	6.90E-01	6.54E-01
244.98551	152.58	16.65	15.22	16.38	17.01	2.67E-07	2.02E-05	7.96E-01	6.40E-01	1.15E-03	2.71E-07	1.81E-01
244.98914	19.72	16.34	14.73	14.76	15.24	4.36E-09	6.53E-08	9.22E-08	5.66E-04	9.99E-01	2.89E-01	3.41E-01

244.99778	143.97	15.80	12.30	13.59	13.00	1.29E-29	5.11E-15	7.44E-14	4.17E-14	2.26E-05	6.27E-02	1.55E-01
245.00762	24.84	17.39	17.51	17.40	17.94	7.97E-06	6.71E-01	9.99E-01	1.60E-05	7.74E-01	2.10E-03	4.62E-05
245.01331	19.22	17.39	17.38	17.42	17.35	9.98E-01	1.00E+00	1.00E+00	1.00E+00	9.99E-01	1.00E+00	9.97E-01
245.04388	21.14	24.25	24.84	24.68	24.45	9.25E-11	1.34E-10	2.69E-06	1.03E-01	2.47E-01	7.77E-05	3.95E-02
245.06734	17.94	15.70	15.20	15.48	14.87	2.13E-01	5.89E-01	9.48E-01	1.79E-01	8.95E-01	8.63E-01	4.53E-01
245.06743	165.58	15.31	15.18	16.36	14.85	5.77E-06	9.64E-01	1.57E-03	3.86E-01	4.02E-04	6.93E-01	5.24E-06
245.0788	198.97	15.75	9.51	10.29	10.34	1.17E-39	5.11E-15	5.11E-15	5.33E-15	2.52E-01	2.22E-01	9.99E-01
245.09788	32.28	16.58	14.21	14.61	14.35	1.63E-11	5.46E-10	2.07E-07	1.29E-08	6.76E-01	9.81E-01	8.93E-01
245.10396	178.6	16.33	16.16	16.63	15.94	1.78E-02	8.51E-01	4.70E-01	2.80E-01	1.27E-01	7.62E-01	1.06E-02
245.14152	25.37	17.48	17.56	16.95	16.58	4.67E-05	9.86E-01	7.04E-02	4.73E-04	3.56E-02	2.01E-04	3.73E-01
245.1915	195.68	15.62	14.62	14.26	14.45	1.26E-03	3.44E-02	1.31E-03	1.12E-02	7.72E-01	9.71E-01	9.61E-01
245.95488	38.43	14.88	14.92	14.90	14.68	9.02E-01	1.00E+00	1.00E+00	9.34E-01	1.00E+00	9.07E-01	9.22E-01
245.9628	25.1	16.81	17.06	17.21	17.36	5.06E-07	4.02E-02	1.56E-04	3.33E-07	4.11E-01	1.89E-02	4.66E-01
245.97123	26.06	14.78	15.05	15.20	15.36	2.99E-01	8.23E-01	5.10E-01	2.57E-01	9.59E-01	7.66E-01	9.61E-01
246.03906	27.31	15.36	15.12	12.06	13.81	2.02E-28	7.97E-01	5.77E-15	4.08E-07	2.60E-14	4.85E-05	1.58E-08
246.04895	23.68	19.94	20.47	20.29	20.11	7.06E-08	4.09E-08	4.75E-04	2.66E-01	1.86E-01	6.20E-04	1.87E-01
246.06259	192.56	16.81	16.27	15.77	16.54	4.20E-16	2.32E-05	4.42E-14	1.01E-01	1.33E-04	1.13E-01	3.27E-09
246.0753	75.15	14.93	11.52	13.80	15.38	4.13E-14	1.84E-11	6.67E-02	7.81E-01	1.46E-05	7.36E-13	6.81E-03
246.0988	259.58	18.32	17.17	16.95	17.30	3.05E-31	2.46E-14	5.11E-15	4.42E-14	1.78E-01	5.90E-01	7.14E-03
246.14254	257.65	16.29	15.65	15.94	16.21	4.59E-03	4.32E-03	2.30E-01	9.73E-01	4.45E-01	2.74E-02	5.13E-01
246.87447	31.6	15.69	14.15	14.85	14.43	2.41E-06	1.97E-06	2.17E-02	2.34E-04	8.96E-02	7.97E-01	5.19E-01
246.89809	163.97	16.71	13.25	11.94	14.79	3.34E-21	2.39E-12	3.38E-14	2.58E-04	2.40E-02	6.80E-03	3.06E-08
246.90341	160.66	12.87	15.10	12.81	13.62	3.97E-05	1.24E-04	9.99E-01	4.86E-01	1.12E-04	3.39E-02	4.36E-01
246.92994	86.11	14.47	14.13	14.26	14.76	4.55E-01	8.27E-01	9.49E-01	8.82E-01	9.89E-01	4.22E-01	6.07E-01
246.96126	47.73	14.89	14.67	14.65	14.65	6.58E-01	7.71E-01	7.00E-01	7.38E-01	1.00E+00	1.00E+00	1.00E+00
246.98157	170.1	16.27	15.89	15.73	16.72	2.03E-10	3.89E-02	6.53E-04	8.33E-03	6.37E-01	2.75E-07	3.94E-10
246.98177	35.81	17.28	18.95	18.96	18.57	4.23E-34	5.11E-15	5.11E-15	4.30E-14	1.00E+00	2.43E-02	1.82E-02
246.99268	19.61	15.18	13.51	14.09	14.77	1.11E-05	9.14E-06	7.35E-03	6.39E-01	3.31E-01	2.79E-03	2.25E-01
247.00464	26.57	15.28	14.61	14.34	15.30	1.74E-04	3.94E-02	1.23E-03	1.00E+00	7.34E-01	4.33E-02	1.74E-03
247.04556	20.82	18.12	18.08	17.93	18.00	3.71E-01	9.77E-01	3.41E-01	7.11E-01	6.13E-01	9.16E-01	9.49E-01
247.06635	181.73	16.48	17.56	17.44	17.44	7.69E-27	1.80E-14	4.30E-14	4.35E-14	6.23E-01	6.65E-01	1.00E+00
247.0839	166.23	17.41	16.50	16.44	16.51	1.98E-11	1.62E-08	1.23E-09	6.79E-08	9.79E-01	1.00E+00	9.60E-01
247.09432	18.76	15.84	15.84	16.04	16.51	8.10E-04	1.00E+00	6.62E-01	1.31E-03	6.65E-01	1.72E-03	4.99E-02
247.10252	196.06	16.73	15.73	16.29	15.19	7.38E-22	4.39E-11	8.16E-03	3.33E-14	5.44E-04	1.82E-03	6.29E-12
247.10664	66.07	17.10	18.66	16.51	16.61	1.56E-79	5.11E-15	7.37E-13	8.86E-09	5.11E-15	5.11E-15	5.59E-01
247.11917	188.23	16.42	16.20	16.18	16.06	1.14E-02	1.58E-01	1.16E-01	6.33E-03	9.99E-01	6.17E-01	6.85E-01
247.13432	186.61	16.76	16.46	16.24	15.87	7.07E-06	2.72E-01	9.33E-03	2.25E-06	5.60E-01	4.71E-03	1.45E-01
247.17064	189.65	16.02	15.45	16.48	15.92	1.83E-08	1.39E-03	1.45E-02	9.32E-01	1.88E-09	1.83E-02	3.65E-03
247.96186	36.28	15.53	15.37	15.16	14.67	3.45E-04	8.45E-01	2.34E-01	1.77E-04	7.29E-01	4.95E-03	8.30E-02
248.02423	17.9	15.60	16.01	15.49	16.07	1.74E-02	2.12E-01	9.61E-01	1.28E-01	8.31E-02	9.92E-01	4.64E-02
248.03369	30.65	17.46	15.49	15.91	15.99	3.01E-12	7.24E-12	5.31E-08	6.78E-07	3.89E-01	2.69E-01	9.92E-01
248.05466	25.06	18.01	17.11	17.42	17.49	3.07E-12	5.68E-13	1.86E-06	6.60E-05	3.92E-02	9.13E-03	9.35E-01
248.07005	182.69	14.14	13.14	13.70	13.97	2.74E-02	1.93E-02	5.48E-01	9.62E-01	3.87E-01	9.95E-02	8.65E-01
248.07243	26.09	14.39	14.44	12.67	13.17	1.27E-04	1.00E+00	9.80E-04	4.44E-02	1.07E-03	4.29E-02	7.28E-01
248.08014	289.58	14.18	16.34	16.57	15.09	2.42E-10	1.25E-07	2.99E-09	7.87E-02	9.26E-01	9.27E-03	1.05E-03

248.08043	24.97	18.48	19.76	18.36	19.48	1.44E-06	1.20E-04	9.76E-01	6.07E-03	3.13E-05	7.98E-01	1.97E-03
248.11518	206.87	17.18	15.94	15.59	15.57	9.21E-13	5.59E-07	7.37E-11	2.03E-10	4.19E-01	4.06E-01	1.00E+00
248.5825	23.52	17.22	17.99	16.72	17.96	1.04E-07	6.86E-03	1.28E-01	1.26E-02	1.43E-06	1.00E+00	4.44E-06
248.90149	93.05	14.26	14.44	15.06	14.84	3.29E-05	7.65E-01	5.29E-05	8.63E-03	3.59E-03	1.30E-01	6.46E-01
248.90923	96.56	14.75	15.21	15.12	15.04	3.03E-02	2.50E-02	9.51E-02	2.90E-01	9.52E-01	7.65E-01	9.66E-01
248.914	152.06	17.35	14.78	14.87	15.92	6.96E-42	5.11E-15	5.11E-15	6.85E-14	9.59E-01	2.60E-09	2.80E-08
248.91903	51.86	18.67	18.56	18.91	18.82	9.76E-02	8.49E-01	3.68E-01	7.70E-01	8.59E-02	3.22E-01	9.35E-01
248.94021	57.18	18.11	15.68	11.43	13.56	6.10E-19	1.88E-03	4.15E-14	1.41E-09	1.37E-08	1.54E-02	1.37E-02
248.95486	43.77	11.71	13.72	14.05	12.46	7.03E-16	8.84E-11	8.44E-14	5.13E-02	6.61E-01	1.88E-04	1.03E-06
248.96097	44.4	24.02	25.72	25.77	25.63	1.59E-35	5.11E-15	5.11E-15	7.99E-15	9.79E-01	9.22E-01	7.35E-01
248.97915	25.16	15.69	14.88	15.70	16.17	1.42E-05	4.37E-03	1.00E+00	2.17E-01	4.85E-03	4.21E-06	2.48E-01
249.00447	22.26	16.44	17.20	17.43	18.12	1.11E-08	1.23E-02	4.17E-04	1.67E-09	8.01E-01	3.00E-03	4.18E-02
249.02286	18.73	24.03	24.81	24.65	24.45	2.43E-08	2.04E-08	1.03E-05	7.27E-03	5.86E-01	3.94E-02	4.59E-01
249.05163	28.58	18.43	18.38	18.22	17.80	1.66E-02	9.95E-01	7.16E-01	1.49E-02	8.58E-01	3.62E-02	2.06E-01
249.05598	19.49	15.54	15.18	15.78	15.65	5.98E-01	8.45E-01	9.51E-01	9.95E-01	5.51E-01	7.41E-01	9.93E-01
249.08139	168.94	16.79	15.48	15.52	15.92	7.64E-10	1.20E-08	2.68E-08	4.25E-04	9.97E-01	1.91E-01	2.66E-01
249.08973	290.53	18.62	15.72	16.46	16.67	7.03E-38	5.11E-15	8.88E-15	3.99E-14	6.07E-04	1.00E-05	6.84E-01
249.09982	209.47	15.95	9.40	11.12	10.68	9.69E-32	5.11E-15	4.29E-14	3.69E-14	3.17E-03	5.94E-02	8.21E-01
249.11639	178.69	15.76	12.10	14.52	12.22	1.59E-35	5.11E-15	4.74E-05	5.33E-15	4.82E-14	9.73E-01	3.42E-13
249.14996	202.03	17.34	16.94	16.95	16.69	3.55E-05	1.23E-02	1.46E-02	1.07E-05	1.00E+00	2.53E-01	2.11E-01
249.18654	174.2	20.12	17.41	18.51	18.90	2.86E-43	5.11E-15	2.98E-14	6.71E-13	4.71E-11	4.49E-14	5.52E-02
249.18682	231.1	17.91	16.59	17.54	17.65	1.97E-36	5.11E-15	1.21E-04	1.42E-02	3.02E-14	1.11E-14	6.64E-01
249.9541	28.5	17.55	17.87	17.83	17.49	1.74E-02	1.03E-01	1.96E-01	9.73E-01	9.89E-01	4.96E-02	1.00E-01
249.96431	44.81	19.33	21.03	21.02	20.90	2.45E-36	5.11E-15	5.11E-15	7.33E-15	9.99E-01	7.72E-01	8.26E-01
249.97994	18.38	9.08	16.11	15.39	14.90	9.52E-30	5.77E-15	2.26E-14	4.06E-14	6.03E-01	1.82E-01	8.38E-01
250.02197	23.31	17.26	17.72	17.69	17.76	8.07E-13	1.02E-09	1.19E-08	1.08E-10	9.61E-01	9.48E-01	7.33E-01
250.02624	18.85	18.99	19.69	19.52	19.34	2.04E-06	1.16E-06	3.41E-04	5.07E-02	5.70E-01	5.07E-02	5.35E-01
250.0399	17.83	18.73	19.78	19.28	19.69	6.30E-05	1.06E-04	9.45E-02	7.29E-04	1.78E-01	9.84E-01	3.69E-01
250.07636	19.68	10.98	8.00	10.25	16.19	1.78E-38	1.07E-08	4.11E-01	3.35E-14	3.35E-05	5.11E-15	7.55E-15
250.08493	291.25	18.57	16.93	16.43	16.65	2.39E-42	5.77E-15	5.11E-15	5.11E-15	1.83E-03	2.03E-01	3.92E-01
250.09375	176.72	17.89	17.01	16.90	17.19	1.79E-15	1.30E-11	7.13E-14	1.67E-07	8.07E-01	4.67E-01	9.20E-02
250.1303	24.37	16.51	16.32	16.93	16.76	8.45E-06	3.61E-01	3.32E-03	2.02E-01	7.46E-06	3.51E-03	5.22E-01
250.14521	211.27	17.60	18.75	18.41	18.90	1.51E-32	7.11E-15	5.16E-14	5.11E-15	3.12E-03	4.12E-01	7.84E-06
250.18975	131.87	17.18	13.92	15.16	15.27	4.22E-30	5.11E-15	4.75E-14	5.47E-13	2.49E-06	7.23E-07	9.74E-01
250.84338	30.6	14.86	13.66	13.65	14.40	1.11E-04	6.72E-04	5.51E-04	4.65E-01	1.00E+00	1.01E-01	9.35E-02
250.89832	45.48	23.94	23.93	24.36	23.95	5.96E-03	1.00E+00	1.40E-02	1.00E+00	1.57E-02	9.99E-01	2.79E-02
250.91106	143.96	15.22	11.85	11.61	13.27	2.24E-22	4.44E-14	4.11E-14	9.76E-07	9.13E-01	9.12E-04	6.08E-05
250.917	101.35	14.79	14.32	14.60	15.05	1.32E-06	1.17E-03	3.86E-01	1.88E-01	1.39E-01	5.34E-07	3.42E-03
250.92157	152.91	15.28	14.85	14.84	14.94	3.01E-03	7.95E-03	5.68E-03	6.73E-02	1.00E+00	9.15E-01	8.87E-01
250.93479	78.54	15.69	16.49	17.19	16.69	3.48E-34	2.97E-13	5.11E-15	4.27E-14	5.33E-10	2.42E-01	2.10E-05
250.93832	73.96	15.08	9.74	11.24	13.07	1.43E-23	1.67E-14	1.17E-13	2.24E-04	1.01E-02	8.48E-10	1.42E-03
250.95559	44.89	19.73	19.34	19.76	19.77	1.98E-05	3.14E-04	9.93E-01	9.84E-01	1.49E-04	1.82E-04	1.00E+00
250.96517	44.38	17.49	19.32	19.36	19.25	2.34E-36	5.11E-15	5.11E-15	6.00E-15	9.95E-01	9.65E-01	8.91E-01
250.97349	19.8	15.85	16.31	16.55	16.06	2.65E-04	2.73E-02	1.51E-04	5.82E-01	4.91E-01	4.83E-01	2.66E-02
251.01865	22.09	20.20	20.95	20.76	20.61	2.13E-07	9.92E-08	1.03E-04	1.29E-02	4.50E-01	5.21E-02	6.60E-01

251.02693	22.48	16.87	17.42	17.22	17.16	1.58E-03	5.69E-04	5.49E-02	1.66E-01	4.95E-01	3.03E-01	9.80E-01
251.03269	28.24	16.67	15.76	16.17	16.00	1.92E-10	7.72E-11	6.40E-04	3.48E-06	8.98E-03	2.92E-01	5.50E-01
251.04328	20.95	19.13	20.90	20.10	19.32	1.78E-03	1.96E-03	1.88E-01	9.84E-01	3.74E-01	1.20E-02	4.12E-01
251.07102	286.86	18.21	13.19	13.18	14.13	1.08E-33	5.11E-15	5.11E-15	4.14E-14	1.00E+00	1.04E-01	9.26E-02
251.07815	193.56	16.35	15.41	15.39	15.57	5.57E-12	1.02E-09	3.06E-10	7.75E-07	9.99E-01	7.24E-01	6.32E-01
251.08803	141.97	16.08	15.24	15.36	15.57	3.65E-10	9.50E-10	1.42E-07	5.31E-04	7.74E-01	6.44E-02	3.93E-01
251.09746	73.31	16.71	16.21	16.76	17.30	2.30E-08	9.49E-03	9.88E-01	1.73E-03	4.16E-03	2.15E-09	6.34E-03
251.10536	282.07	19.65	17.59	17.79	17.95	3.47E-56	5.11E-15	5.11E-15	5.11E-15	2.43E-01	7.75E-03	4.82E-01
251.11571	208.38	15.19	9.41	9.68	11.03	9.55E-27	1.62E-14	2.71E-14	4.44E-13	9.50E-01	1.37E-02	5.51E-02
251.12928	193.15	16.46	15.67	15.93	15.86	4.02E-09	2.95E-09	8.63E-05	1.37E-05	1.63E-01	4.67E-01	9.43E-01
251.14857	211.77	14.51	15.22	15.25	15.43	7.81E-07	2.44E-04	9.58E-05	1.85E-06	9.98E-01	6.45E-01	7.47E-01
251.16566	169.22	16.27	15.16	15.50	15.47	2.59E-11	1.55E-11	3.21E-06	2.67E-06	1.12E-01	2.03E-01	9.97E-01
251.20214	202.09	23.70	21.14	21.61	22.07	3.81E-47	5.11E-15	5.11E-15	1.82E-14	6.91E-03	1.10E-08	1.02E-02
251.23838	267.77	16.67	13.90	14.09	13.33	4.61E-08	1.16E-05	4.29E-05	1.75E-07	9.88E-01	7.71E-01	5.69E-01
251.2384	153.02	13.84	12.76	13.13	13.36	8.33E-02	5.35E-02	3.31E-01	6.94E-01	8.20E-01	5.22E-01	9.52E-01
251.95113	29.19	15.69	15.87	15.68	15.62	3.02E-01	5.29E-01	1.00E+00	9.46E-01	4.97E-01	2.66E-01	9.67E-01
251.98064	21.98	14.68	11.04	11.08	11.49	7.56E-44	5.11E-15	5.11E-15	5.11E-15	9.99E-01	2.64E-01	3.31E-01
251.98984	30.01	18.38	18.02	18.39	17.83	5.02E-03	1.75E-01	1.00E+00	1.44E-02	1.82E-01	7.43E-01	1.61E-02
251.99561	26.2	17.83	17.24	17.40	16.87	5.93E-02	3.20E-01	5.79E-01	3.43E-02	9.72E-01	7.30E-01	4.58E-01
252.02371	24.55	15.71	17.96	18.30	17.53	1.64E-49	5.11E-15	5.11E-15	5.33E-15	9.16E-02	2.07E-02	2.47E-06
252.04682	23.49	16.16	16.51	16.33	16.11	2.94E-01	3.88E-01	8.48E-01	9.96E-01	8.70E-01	3.18E-01	7.58E-01
252.06529	18.71	14.32	13.15	13.82	14.13	3.00E-01	2.59E-01	8.59E-01	9.92E-01	7.29E-01	4.63E-01	9.67E-01
252.07089	21.64	15.16	16.98	13.98	14.33	5.35E-74	5.11E-15	3.04E-14	1.74E-11	5.11E-15	5.11E-15	1.32E-02
252.09105	165.45	17.25	16.88	16.99	16.77	1.32E-06	1.69E-04	1.46E-02	1.03E-06	5.97E-01	6.25E-01	7.42E-02
252.10066	278.25	20.72	18.96	19.19	19.15	1.89E-40	5.11E-15	5.11E-15	5.11E-15	2.25E-01	3.87E-01	9.94E-01
252.1095	76.43	14.55	11.27	13.85	14.65	2.37E-24	3.33E-14	1.04E-01	9.85E-01	1.08E-13	3.80E-14	6.14E-02
252.20539	190.95	21.04	18.20	18.89	19.29	8.78E-51	5.11E-15	5.11E-15	8.88E-15	2.37E-05	4.60E-11	3.91E-02
252.89661	62.62	20.75	20.56	21.33	21.10	7.32E-09	4.18E-01	1.60E-05	3.16E-02	1.82E-08	2.88E-04	2.50E-01
252.90276	73.14	16.49	15.98	16.57	16.21	2.91E-15	3.89E-11	6.54E-01	6.86E-04	1.39E-13	1.26E-02	9.19E-06
252.91392	47.81	23.18	23.43	23.94	23.73	7.28E-35	1.50E-05	5.11E-15	3.97E-14	4.37E-14	7.92E-07	9.93E-04
252.9268	40.65	12.89	13.57	14.49	10.99	1.71E-08	5.61E-01	1.17E-02	2.49E-03	3.10E-01	2.64E-05	4.58E-09
252.9478	32.42	16.67	15.20	15.89	15.14	5.71E-21	4.17E-14	5.27E-06	4.26E-14	1.07E-04	9.88E-01	4.20E-05
252.95359	59.73	15.74	15.52	15.05	15.31	2.56E-01	9.28E-01	2.06E-01	6.38E-01	5.61E-01	9.41E-01	8.99E-01
252.97161	225.91	16.36	14.80	14.36	15.02	4.36E-11	3.66E-07	3.88E-11	2.66E-05	4.06E-01	8.81E-01	1.10E-01
252.98064	17.48	9.51	13.39	14.00	12.45	4.92E-12	7.78E-09	1.72E-11	2.91E-05	7.66E-01	4.69E-01	7.78E-02
252.98169	225.96	14.92	13.16	13.14	14.00	4.92E-04	1.65E-03	1.24E-03	2.38E-01	1.00E+00	3.48E-01	3.19E-01
253.05097	27.7	19.64	20.20	20.58	20.03	1.45E-08	8.38E-04	2.12E-09	4.08E-02	4.94E-02	7.08E-01	2.14E-03
253.06434	34.11	15.89	16.05	16.05	15.49	4.23E-03	7.35E-01	7.32E-01	8.99E-02	1.00E+00	7.05E-03	6.55E-03
253.07025	226.1	15.98	13.09	12.77	13.72	6.18E-16	4.02E-12	5.65E-14	1.32E-07	8.47E-01	3.85E-01	7.96E-02
253.08449	282.56	18.34	17.00	16.95	16.80	2.33E-35	7.33E-15	5.33E-15	5.11E-15	9.75E-01	3.30E-01	5.67E-01
253.08526	19.22	15.15	10.21	10.45	11.95	2.57E-45	5.11E-15	5.11E-15	3.66E-14	8.59E-01	3.93E-07	1.26E-05
253.09312	283.85	18.16	18.29	18.54	17.84	2.77E-13	4.20E-01	1.54E-05	6.89E-04	8.93E-03	2.02E-06	7.42E-14
253.10401	289.54	16.87	14.11	14.36	15.36	1.14E-10	8.92E-10	2.02E-08	2.34E-03	9.29E-01	2.19E-02	9.65E-02
253.10849	157.72	16.37	15.92	16.11	15.75	2.21E-06	5.22E-04	8.90E-02	1.46E-06	3.68E-01	4.99E-01	1.60E-02
253.121	282.34	18.40	16.75	16.52	16.69	4.93E-23	4.30E-14	4.02E-14	4.33E-14	6.33E-01	9.92E-01	8.16E-01

253.1448	160.37	17.27	16.43	16.72	16.53	2.25E-05	3.05E-05	1.20E-02	4.80E-04	3.92E-01	9.52E-01	7.45E-01
253.14492	289.85	16.91	16.48	16.58	16.64	8.53E-02	6.86E-02	2.14E-01	4.21E-01	9.52E-01	8.32E-01	9.87E-01
253.1562	73.72	15.64	17.18	14.75	15.01	1.35E-94	5.11E-15	5.11E-15	4.22E-14	5.11E-15	5.11E-15	1.72E-03
253.18131	163.19	16.37	14.54	13.92	15.11	1.12E-11	3.40E-07	5.44E-12	1.22E-03	2.49E-01	3.43E-01	3.20E-03
253.21071	212.87	17.45	16.11	15.81	16.99	1.92E-06	3.73E-04	5.37E-06	5.28E-01	7.97E-01	5.62E-02	3.64E-03
253.21784	228.91	29.17	28.80	28.61	28.98	1.43E-05	5.39E-03	6.95E-06	3.45E-01	3.92E-01	4.11E-01	1.16E-02
253.46463	225.86	16.55	14.89	15.12	15.17	3.42E-10	2.91E-09	2.71E-07	1.98E-06	8.13E-01	7.17E-01	9.97E-01
253.80986	291.78	14.22	16.66	16.72	16.48	4.01E-20	4.46E-14	4.27E-14	3.22E-13	9.96E-01	9.28E-01	8.41E-01
253.89988	76.86	14.81	12.80	14.35	14.38	1.59E-16	4.15E-14	1.62E-01	2.33E-01	2.12E-10	4.16E-10	9.99E-01
253.91738	56.39	17.67	17.59	18.45	18.24	1.62E-35	5.75E-01	6.00E-15	4.95E-14	5.11E-15	4.42E-14	9.05E-03
253.94808	58.9	16.13	13.18	14.71	14.85	6.75E-21	2.22E-14	8.49E-07	2.49E-05	2.40E-07	4.30E-08	9.54E-01
254.01618	25.51	16.00	15.87	15.01	16.05	2.10E-03	9.71E-01	5.02E-03	9.98E-01	2.59E-02	9.38E-01	5.26E-03
254.02634	32.29	15.57	14.50	15.01	15.09	9.10E-07	1.18E-07	1.30E-02	5.52E-02	3.37E-02	1.39E-02	9.78E-01
254.03484	21.03	16.44	18.41	18.44	18.34	1.94E-33	5.77E-15	5.33E-15	1.20E-14	9.95E-01	9.84E-01	9.34E-01
254.05446	35.28	16.01	16.22	16.80	15.78	9.15E-03	8.97E-01	4.11E-02	8.69E-01	2.31E-01	4.94E-01	6.67E-03
254.07895	19.21	18.32	18.89	18.78	18.63	5.60E-03	4.25E-03	3.15E-02	2.68E-01	9.11E-01	4.59E-01	8.39E-01
254.07975	290.28	16.85	16.81	16.66	16.60	3.23E-01	9.94E-01	5.80E-01	3.72E-01	7.58E-01	5.46E-01	9.82E-01
254.10695	122.27	15.67	13.10	13.82	14.17	4.89E-19	4.21E-14	1.90E-11	1.63E-07	2.82E-02	4.38E-04	5.41E-01
254.11612	290.1	18.29	16.88	16.52	16.77	1.84E-33	3.24E-14	5.11E-15	1.62E-14	3.50E-02	8.44E-01	2.63E-01
254.2144	223.74	16.93	13.97	13.48	14.97	4.14E-21	4.53E-14	4.09E-14	2.51E-07	4.87E-01	2.58E-02	1.89E-04
254.22076	228.81	26.74	26.19	26.21	26.54	2.78E-06	2.67E-05	4.94E-05	3.72E-01	9.98E-01	2.21E-02	3.37E-02
254.8753	92.5	15.80	16.07	16.29	16.40	8.72E-12	5.20E-03	2.50E-08	3.69E-11	4.14E-02	7.42E-04	5.42E-01
254.88524	94.96	14.85	13.09	13.76	14.47	8.61E-13	1.49E-12	1.41E-05	3.62E-01	1.88E-02	1.31E-07	1.65E-02
254.89455	76.35	14.94	13.63	14.29	14.54	3.35E-08	6.30E-09	8.86E-03	2.35E-01	9.85E-03	2.22E-04	6.51E-01
254.9062	37.03	19.56	19.20	19.86	19.21	6.16E-04	1.73E-01	3.02E-01	2.21E-01	1.52E-03	1.00E+00	2.71E-03
254.91215	50.59	20.11	20.35	20.84	20.65	2.15E-39	2.94E-06	5.11E-15	1.75E-14	4.06E-14	2.26E-08	4.81E-04
254.91697	132.01	16.30	16.24	16.32	16.32	8.96E-01	9.38E-01	1.00E+00	9.99E-01	9.09E-01	9.12E-01	1.00E+00
254.92702	34.87	20.34	21.39	21.58	21.41	2.19E-33	1.67E-14	5.11E-15	2.18E-14	1.86E-01	9.99E-01	2.54E-01
254.93225	65.34	15.34	12.50	14.55	15.24	4.82E-19	4.44E-14	4.03E-02	9.89E-01	7.95E-10	4.69E-14	1.21E-01
254.94498	32.07	14.63	12.22	14.72	12.88	6.22E-17	1.10E-12	9.90E-01	4.73E-07	4.97E-13	1.77E-01	1.89E-07
254.95183	20.37	17.59	18.21	18.08	18.11	1.32E-07	2.72E-07	7.92E-05	4.92E-05	6.08E-01	7.88E-01	9.94E-01
254.99203	17.86	16.64	16.42	16.27	16.81	2.40E-03	4.25E-01	4.33E-02	6.78E-01	7.06E-01	5.77E-02	2.20E-03
254.99466	258.14	17.66	16.94	17.01	17.27	6.32E-06	1.29E-05	9.84E-05	4.86E-02	9.60E-01	1.62E-01	3.71E-01
255.00996	27.05	13.56	13.52	14.58	13.98	1.85E-02	9.99E-01	2.99E-02	6.87E-01	2.65E-02	6.31E-01	4.10E-01
255.06685	275.68	18.27	16.82	17.17	17.17	1.40E-12	2.72E-12	8.71E-08	2.61E-07	2.60E-01	2.84E-01	1.00E+00
255.08591	263.61	17.11	15.98	16.15	16.17	1.22E-08	6.56E-08	3.61E-06	1.58E-05	8.39E-01	7.82E-01	9.99E-01
255.08801	159.2	15.10	15.66	15.62	14.97	4.71E-03	6.81E-02	9.81E-02	9.40E-01	9.98E-01	2.16E-02	3.23E-02
255.10029	269.23	18.99	17.48	17.79	17.54	1.98E-40	5.11E-15	6.88E-15	5.11E-15	1.36E-02	9.49E-01	7.41E-02
255.10685	29.46	15.01	15.05	13.27	15.62	1.81E-07	1.00E+00	7.41E-05	4.30E-01	8.30E-05	5.17E-01	2.08E-07
255.12408	163.88	16.67	15.96	16.25	15.69	1.35E-02	8.76E-02	5.06E-01	9.60E-03	7.70E-01	8.37E-01	2.83E-01
255.17927	257.99	18.50	17.43	17.66	17.60	8.14E-10	2.85E-09	3.78E-06	1.66E-06	4.95E-01	7.36E-01	9.86E-01
255.19705	276.08	18.10	17.53	17.46	17.91	2.04E-10	2.95E-07	4.03E-09	2.37E-01	8.84E-01	2.91E-03	1.73E-04
255.22569	237.76	23.22	22.33	22.30	22.61	1.27E-14	4.51E-12	8.66E-13	4.82E-06	9.97E-01	1.05E-01	6.35E-02
255.23363	257.84	31.04	31.16	31.04	30.96	1.22E-03	4.13E-02	9.99E-01	4.06E-01	6.93E-02	4.33E-04	3.41E-01
255.36717	258.02	17.66	16.76	16.85	16.73	8.49E-21	4.21E-14	9.59E-14	4.37E-14	8.10E-01	9.88E-01	6.29E-01

255.37786	263.34	16.48	15.01	15.37	15.68	7.93E-13	5.62E-13	3.52E-08	2.25E-04	2.20E-01	3.50E-03	3.71E-01
255.38195	257.9	18.78	17.36	17.66	17.65	2.93E-24	2.02E-14	4.29E-14	4.91E-14	9.65E-02	1.22E-01	1.00E+00
255.40066	257.83	17.05	16.23	16.09	16.14	8.71E-09	8.09E-06	1.20E-07	1.29E-06	8.60E-01	9.59E-01	9.93E-01
255.47318	258.06	18.15	17.06	17.29	17.26	1.40E-26	8.88E-15	4.17E-14	4.40E-14	7.55E-02	1.62E-01	9.94E-01
255.4833	258.19	18.65	17.77	17.91	17.93	4.09E-25	1.95E-14	4.44E-14	4.36E-14	2.67E-01	1.89E-01	9.95E-01
255.89953	26.45	16.73	14.58	14.09	15.14	1.02E-07	2.15E-05	9.06E-08	4.00E-03	7.20E-01	6.47E-01	1.25E-01
255.93049	28.69	14.46	15.85	15.92	16.04	7.75E-17	1.46E-11	8.61E-13	1.37E-13	9.80E-01	7.60E-01	9.28E-01
255.98606	22.07	15.58	14.72	15.00	16.02	7.74E-03	1.18E-01	4.32E-01	6.77E-01	8.90E-01	8.39E-03	5.80E-02
256.05979	173.34	15.67	15.01	15.08	15.62	1.32E-07	1.01E-05	8.46E-05	9.80E-01	9.56E-01	1.58E-04	9.85E-04
256.0603	22.9	19.43	18.54	18.62	19.31	1.78E-13	3.39E-10	6.23E-09	7.83E-01	9.43E-01	3.42E-07	3.99E-06
256.07804	18.89	14.23	14.56	14.98	15.61	5.07E-03	8.28E-01	2.04E-01	2.99E-03	7.07E-01	4.76E-02	3.89E-01
256.08301	267.07	17.95	16.53	16.65	16.85	3.32E-28	7.99E-15	2.60E-14	4.26E-14	7.93E-01	6.40E-02	3.74E-01
256.09483	18.74	16.36	17.00	17.22	17.51	9.34E-07	9.92E-03	1.73E-04	6.07E-07	7.19E-01	8.63E-02	5.25E-01
256.09539	289.72	17.28	16.44	16.77	16.70	5.97E-06	1.87E-06	7.60E-03	3.08E-03	1.80E-01	3.85E-01	9.82E-01
256.10723	64.03	17.10	18.43	16.55	16.65	2.95E-85	5.11E-15	4.27E-14	4.49E-11	5.11E-15	5.11E-15	4.00E-01
256.12054	213.55	16.97	15.52	15.59	15.57	6.16E-16	1.10E-12	5.36E-12	1.46E-11	9.88E-01	9.96E-01	1.00E+00
256.20024	157.5	15.90	14.14	13.53	15.28	1.26E-15	9.46E-09	5.54E-14	1.37E-01	1.46E-01	8.19E-04	5.21E-08
256.22694	227.68	17.84	16.58	16.63	16.82	2.55E-07	2.37E-06	4.61E-06	2.92E-04	9.98E-01	7.87E-01	8.72E-01
256.23516	262.62	28.72	28.48	28.44	28.53	8.97E-07	7.25E-05	9.29E-07	4.32E-03	8.16E-01	7.90E-01	2.80E-01
256.84354	69.85	17.97	18.43	18.76	18.63	1.74E-14	1.75E-05	7.46E-14	9.68E-10	3.56E-03	1.99E-01	5.12E-01
256.85465	99.34	15.29	14.99	15.42	14.81	1.59E-06	4.14E-02	6.93E-01	3.26E-04	1.72E-03	4.55E-01	5.10E-06
256.86431	104.42	14.93	14.44	14.12	14.52	9.29E-07	3.52E-03	1.52E-07	2.91E-02	1.23E-01	9.40E-01	3.37E-02
256.87726	28.2	11.55	14.13	14.01	14.79	6.43E-12	6.78E-08	2.15E-07	3.82E-11	9.93E-01	4.75E-01	3.17E-01
256.89092	90.61	15.04	14.62	15.14	15.38	3.78E-14	5.93E-06	6.49E-01	5.93E-04	3.39E-08	5.03E-14	3.03E-02
256.90359	35.1	17.89	17.49	18.26	17.37	3.19E-05	1.52E-01	2.15E-01	3.79E-02	5.94E-04	9.27E-01	7.09E-05
256.92255	131.86	15.54	14.92	14.99	15.89	1.13E-03	8.79E-02	1.43E-01	5.72E-01	9.96E-01	3.26E-03	6.32E-03
256.9491	27.84	18.20	18.34	18.23	18.50	4.42E-02	5.72E-01	9.93E-01	4.19E-02	7.47E-01	5.24E-01	8.92E-02
256.9711	41.44	15.51	14.43	15.17	15.33	2.71E-02	1.88E-02	7.82E-01	9.59E-01	2.03E-01	1.01E-01	9.78E-01
256.99119	30.87	13.52	12.88	13.86	13.24	3.35E-02	2.21E-01	7.18E-01	8.49E-01	2.08E-02	7.29E-01	2.80E-01
257.06649	56.63	18.52	18.65	20.40	20.37	2.64E-22	9.27E-01	4.37E-14	7.51E-14	4.75E-13	5.20E-12	9.99E-01
257.07739	25.87	17.65	18.41	18.60	18.63	3.77E-10	9.90E-06	1.65E-08	1.82E-08	6.31E-01	5.34E-01	9.97E-01
257.07949	290.48	16.94	14.38	14.56	14.76	1.48E-07	1.32E-06	6.34E-06	8.08E-05	9.83E-01	8.79E-01	9.80E-01
257.09763	165.24	14.07	14.94	14.83	15.00	2.44E-06	4.13E-05	4.07E-04	1.94E-05	9.39E-01	9.92E-01	8.32E-01
257.10375	186.95	16.13	16.43	16.53	16.19	5.04E-03	8.66E-02	8.26E-03	9.70E-01	8.56E-01	2.71E-01	4.82E-02
257.11365	43.98	9.09	14.56	15.10	13.16	2.03E-17	2.37E-13	4.33E-14	8.54E-08	8.64E-01	2.01E-01	3.26E-02
257.11565	289.16	17.92	16.54	16.68	16.67	4.76E-21	4.24E-14	4.62E-14	5.96E-14	7.51E-01	8.14E-01	1.00E+00
257.13968	185.72	17.43	16.87	16.91	16.90	7.20E-09	2.26E-07	1.24E-06	2.05E-06	9.81E-01	9.91E-01	1.00E+00
257.15102	161.24	14.17	15.33	14.35	14.30	3.43E-05	4.97E-05	8.87E-01	9.65E-01	1.21E-03	8.43E-04	9.96E-01
257.17608	287.81	17.46	18.08	18.05	17.72	2.62E-08	4.21E-07	9.33E-07	1.08E-01	9.97E-01	1.24E-02	2.10E-02
257.17682	25.04	17.16	16.97	17.16	17.08	5.04E-01	5.25E-01	1.00E+00	9.38E-01	5.52E-01	8.86E-01	9.46E-01
257.21267	201.36	18.22	17.49	17.15	17.83	2.43E-13	5.59E-07	1.63E-13	2.21E-02	5.52E-02	7.49E-02	9.35E-06
257.22781	208.41	20.65	19.99	20.16	20.13	1.36E-04	1.28E-04	6.80E-03	5.11E-03	7.04E-01	8.31E-01	9.97E-01
257.23909	258.12	25.09	24.54	24.68	24.74	4.67E-15	4.46E-14	3.13E-09	8.71E-07	1.06E-01	1.45E-02	8.41E-01
257.97557	238.25	17.07	16.44	16.77	17.09	4.07E-07	2.56E-06	5.89E-02	9.99E-01	4.19E-02	5.24E-06	6.08E-02
258.03936	19.19	16.34	16.59	16.49	16.64	4.94E-01	6.20E-01	8.80E-01	4.81E-01	9.66E-01	9.95E-01	8.96E-01

258.05231	189.88	18.54	19.18	19.25	19.10	5.54E-50	5.11E-15	5.11E-15	5.11E-15	2.54E-01	3.01E-01	2.50E-03
258.0572	20.23	17.28	15.90	15.98	16.72	7.33E-20	4.43E-14	4.37E-14	1.72E-03	9.46E-01	1.86E-06	1.86E-05
258.06043	24	13.54	15.21	14.74	14.25	1.06E-07	5.36E-08	1.26E-04	6.78E-02	3.56E-01	6.86E-03	3.31E-01
258.06975	59.32	13.86	13.79	15.41	14.94	1.54E-08	9.94E-01	1.24E-06	2.30E-03	7.99E-07	1.39E-03	4.06E-01
258.07579	18.95	18.61	18.86	19.37	19.36	2.21E-14	7.43E-02	9.83E-12	9.20E-11	1.15E-05	3.86E-05	9.99E-01
258.09887	195.64	18.38	15.84	15.79	15.53	3.78E-44	5.11E-15	5.11E-15	5.11E-15	9.95E-01	3.51E-01	4.84E-01
258.10959	60.84	11.88	14.60	15.26	15.88	2.18E-17	9.60E-09	7.89E-13	4.24E-14	4.36E-01	2.76E-02	5.23E-01
258.11154	210.15	14.23	7.55	6.81	7.77	1.67E-41	5.11E-15	5.11E-15	5.11E-15	4.35E-01	9.72E-01	2.27E-01
258.15385	38.09	13.75	14.08	14.24	14.41	1.14E-01	6.20E-01	2.65E-01	9.32E-02	9.37E-01	6.75E-01	9.42E-01
258.17955	149.83	15.07	14.27	13.97	14.67	2.32E-09	1.93E-05	2.03E-09	1.04E-01	3.22E-01	1.01E-01	5.25E-04
258.23127	207.41	17.99	17.27	17.47	17.38	2.63E-04	2.85E-04	1.48E-02	4.32E-03	6.74E-01	9.28E-01	9.63E-01
258.23141	98.25	11.91	8.15	10.93	11.77	7.92E-11	4.54E-10	2.77E-01	9.95E-01	8.29E-06	1.25E-08	4.61E-01
258.2417	259.18	20.01	19.14	19.29	19.33	2.89E-26	1.04E-14	4.33E-14	4.35E-14	2.04E-01	8.61E-02	9.65E-01
258.84087	81.06	16.45	16.62	17.15	17.00	1.60E-09	4.25E-01	9.76E-09	1.82E-05	3.85E-05	8.13E-03	5.86E-01
258.85941	68.35	16.94	15.89	17.18	17.18	2.84E-38	7.33E-15	2.91E-02	3.03E-02	5.11E-15	5.11E-15	1.00E+00
258.87056	91.93	14.71	15.34	15.93	15.38	8.53E-22	8.19E-08	1.53E-14	2.58E-08	1.30E-06	9.84E-01	1.33E-05
258.87993	97.19	15.28	14.73	14.88	15.25	4.68E-05	2.27E-04	1.42E-02	9.94E-01	6.48E-01	1.39E-03	4.58E-02
258.91806	128.17	17.24	17.03	17.03	17.89	7.33E-04	7.77E-01	7.72E-01	2.31E-02	1.00E+00	1.57E-03	1.40E-03
258.94276	172.08	19.38	18.13	17.65	18.54	9.75E-24	9.17E-14	1.09E-14	6.43E-07	9.65E-03	5.26E-02	2.61E-07
258.96081	31.16	13.87	15.11	15.25	14.82	1.60E-07	8.15E-06	3.92E-07	1.41E-03	9.43E-01	7.00E-01	3.57E-01
258.99284	18.85	15.72	15.10	14.94	15.30	1.03E-01	2.40E-01	8.29E-02	6.13E-01	9.65E-01	9.35E-01	7.15E-01
259.0082	29.68	16.27	15.63	16.27	16.61	2.49E-09	3.72E-05	1.00E+00	6.98E-02	4.58E-05	6.66E-10	8.68E-02
259.02332	20.83	23.71	24.04	23.94	24.43	1.81E-02	4.14E-01	6.91E-01	8.18E-03	9.70E-01	3.46E-01	1.52E-01
259.05582	185.66	14.89	15.20	15.26	15.18	7.89E-06	4.22E-04	1.06E-05	1.86E-03	8.53E-01	9.92E-01	7.08E-01
259.06461	58.74	13.71	11.44	14.93	15.00	2.10E-32	5.25E-14	2.72E-05	1.83E-05	5.11E-15	5.11E-15	9.95E-01
259.08306	165.32	15.61	15.96	15.90	15.68	2.19E-03	5.23E-03	2.57E-02	9.19E-01	9.51E-01	5.47E-02	1.71E-01
259.09406	126.82	16.14	15.27	15.11	15.41	4.82E-13	2.81E-09	1.87E-12	1.93E-06	6.61E-01	7.17E-01	1.31E-01
259.09498	289.36	16.93	16.02	16.28	16.17	8.61E-06	1.06E-05	2.53E-03	4.85E-04	5.30E-01	8.74E-01	9.44E-01
259.11915	157.15	16.15	15.64	15.41	16.02	6.36E-02	3.29E-01	6.57E-02	9.73E-01	8.78E-01	6.35E-01	2.20E-01
259.15717	38.78	15.28	15.79	15.14	14.88	5.32E-04	6.32E-02	9.10E-01	2.48E-01	1.19E-02	2.47E-04	6.31E-01
259.2323	234.45	17.39	15.75	16.53	16.82	1.14E-15	4.33E-14	1.03E-05	1.04E-02	1.38E-04	1.83E-07	3.94E-01
259.24375	233.22	21.87	21.12	21.49	21.76	4.42E-11	5.58E-11	1.46E-03	6.92E-01	3.72E-03	1.67E-07	7.20E-02
259.94098	26.51	19.10	17.57	17.93	18.12	1.04E-04	6.54E-05	3.30E-03	2.73E-02	7.36E-01	4.23E-01	9.49E-01
259.9716	25.89	16.36	18.77	19.01	18.44	4.24E-46	5.11E-15	5.11E-15	5.11E-15	4.19E-01	1.94E-01	3.08E-03
259.98288	31.64	19.97	20.35	20.35	19.88	4.29E-06	2.69E-03	2.53E-03	8.28E-01	1.00E+00	2.35E-04	2.16E-04
260.00648	43.97	15.12	13.02	12.68	15.74	9.36E-22	1.08E-09	1.10E-12	2.13E-01	7.10E-01	1.41E-13	4.40E-14
260.04219	17.86	15.59	13.20	13.01	14.80	1.44E-12	4.04E-09	1.43E-10	1.67E-01	9.57E-01	3.23E-04	3.50E-05
260.07806	202.3	18.54	17.40	17.28	17.90	2.93E-30	1.53E-14	5.33E-15	1.31E-08	6.63E-01	1.76E-05	6.14E-08
260.08974	18.79	16.93	17.74	17.73	18.26	1.79E-18	6.33E-09	9.86E-09	4.20E-14	9.99E-01	1.02E-03	5.41E-04
260.10897	32.44	17.74	17.65	17.73	17.40	4.65E-01	9.77E-01	1.00E+00	4.65E-01	9.85E-01	7.32E-01	5.12E-01
260.11487	193.5	17.32	15.40	14.99	15.33	2.07E-33	2.38E-14	5.11E-15	2.02E-14	8.42E-02	9.79E-01	2.22E-01
260.24677	238.9	19.25	18.27	18.73	19.01	3.45E-14	6.08E-14	5.09E-05	1.99E-01	6.75E-04	2.21E-08	8.55E-02
260.8567	69.61	15.58	14.69	15.38	15.54	2.70E-11	1.56E-10	3.56E-01	9.85E-01	1.75E-06	8.66E-09	6.21E-01
260.86415	22.19	14.38	14.63	13.80	13.75	2.00E-01	9.52E-01	6.02E-01	5.56E-01	3.14E-01	2.86E-01	9.99E-01
260.87301	23.77	17.09	17.11	17.69	17.06	1.24E-02	1.00E+00	2.70E-02	9.99E-01	4.18E-02	9.98E-01	2.98E-02

260.88017	143.8	10.38	19.68	19.54	18.57	8.29E-53	5.11E-15	5.11E-15	5.11E-15	9.93E-01	1.73E-01	2.75E-01
260.8931	28.27	14.87	15.61	15.91	15.68	2.86E-15	2.90E-08	4.71E-14	2.66E-09	6.37E-02	9.39E-01	2.52E-01
260.91422	135.9	15.43	14.32	14.10	15.05	1.75E-11	1.71E-07	2.47E-10	2.12E-01	6.87E-01	2.50E-03	3.05E-05
260.97854	28.67	15.71	13.46	13.34	14.81	3.96E-16	2.57E-12	1.45E-13	1.49E-02	9.74E-01	1.10E-04	1.53E-05
260.98628	32.17	14.51	13.99	14.07	13.77	3.22E-01	5.61E-01	6.76E-01	2.71E-01	9.98E-01	9.53E-01	8.91E-01
261.04222	22.05	17.80	17.39	17.09	17.36	1.07E-07	2.67E-03	1.75E-08	1.39E-03	5.76E-02	9.93E-01	1.25E-01
261.07374	17.89	16.11	17.36	17.38	17.50	3.72E-16	1.79E-11	5.44E-12	3.83E-13	9.99E-01	8.50E-01	8.99E-01
261.08199	191.26	14.52	11.73	12.22	11.07	2.21E-09	1.40E-06	8.34E-05	4.78E-09	7.95E-01	6.32E-01	1.57E-01
261.093	27.57	16.07	15.46	15.33	15.59	4.67E-09	2.08E-06	6.15E-09	5.10E-04	7.23E-01	6.93E-01	1.49E-01
261.09889	161.96	15.73	15.16	15.62	15.31	7.65E-05	1.54E-04	8.50E-01	1.32E-02	4.12E-03	6.94E-01	1.17E-01
261.11153	203.95	14.82	8.32	8.20	8.42	2.43E-48	5.11E-15	5.11E-15	5.11E-15	9.91E-01	9.95E-01	9.52E-01
261.13482	144.98	16.18	16.27	16.22	16.05	3.73E-01	8.82E-01	9.87E-01	7.23E-01	9.79E-01	3.19E-01	5.35E-01
261.15026	207.63	16.29	14.45	15.09	14.62	8.80E-10	4.05E-09	1.78E-04	1.96E-07	1.28E-01	9.47E-01	3.87E-01
261.18654	40.02	16.20	14.10	14.82	16.34	6.78E-11	1.78E-08	3.50E-04	9.77E-01	1.59E-01	1.17E-08	1.65E-04
261.22285	225.92	16.76	16.20	16.22	16.23	9.39E-03	2.17E-02	2.72E-02	4.21E-02	1.00E+00	9.99E-01	1.00E+00
261.9789	32.68	15.21	14.79	14.77	14.47	4.64E-05	2.57E-02	1.36E-02	1.29E-05	9.98E-01	1.74E-01	2.38E-01
261.99279	28.66	13.99	14.13	14.17	13.84	7.69E-01	9.72E-01	9.41E-01	9.72E-01	9.99E-01	8.35E-01	7.67E-01
262.05757	25.86	15.78	14.97	15.76	15.72	3.54E-02	4.98E-02	1.00E+00	9.97E-01	6.80E-02	1.09E-01	9.99E-01
262.08505	289.8	17.15	16.37	15.79	16.11	3.05E-05	3.26E-02	1.43E-05	2.58E-03	1.89E-01	8.29E-01	6.92E-01
262.0935	286.62	19.40	18.83	18.90	18.85	2.64E-04	8.95E-04	4.63E-03	2.12E-03	9.63E-01	9.99E-01	9.87E-01
262.0939	32.39	19.19	19.71	19.52	19.75	7.45E-04	2.52E-03	1.12E-01	1.58E-03	5.63E-01	9.96E-01	4.48E-01
262.10306	178.77	17.00	15.83	15.77	16.03	5.85E-25	4.00E-14	2.91E-14	9.73E-14	9.59E-01	3.43E-01	1.35E-01
262.86972	31.57	15.06	14.68	15.12	14.69	6.32E-02	2.44E-01	9.90E-01	3.02E-01	1.46E-01	1.00E+00	1.89E-01
262.87234	154.64	16.86	16.77	16.47	16.67	4.77E-02	9.26E-01	3.23E-02	5.58E-01	1.68E-01	9.02E-01	5.50E-01
262.87795	77.13	17.42	18.39	18.75	18.39	2.49E-39	1.02E-14	5.11E-15	1.58E-14	2.31E-04	1.00E+00	3.19E-04
262.90407	81.41	16.00	16.18	16.97	17.02	2.91E-34	1.37E-01	7.99E-15	6.66E-15	4.31E-14	4.40E-14	9.19E-01
262.93492	88.24	15.10	11.35	11.07	13.00	3.22E-52	5.11E-15	5.11E-15	4.34E-14	5.92E-01	3.23E-11	5.37E-14
262.95561	167.2	14.73	15.63	15.77	15.86	6.90E-12	3.56E-07	2.25E-09	3.76E-10	8.20E-01	5.21E-01	9.52E-01
262.95583	56.02	17.78	19.00	19.14	18.95	2.24E-26	4.34E-14	1.67E-14	4.24E-14	6.57E-01	9.82E-01	4.37E-01
262.97672	46.05	21.57	22.37	22.34	22.44	9.26E-11	4.55E-08	1.39E-07	6.46E-09	9.94E-01	9.59E-01	8.72E-01
263.04128	24.83	20.71	20.81	21.19	20.91	6.97E-02	9.54E-01	4.98E-02	7.42E-01	1.89E-01	9.61E-01	4.64E-01
263.08096	66.56	9.78	20.23	6.28	6.39	4.77E-101	5.11E-15	4.24E-14	4.71E-14	5.11E-15	5.11E-15	9.94E-01
263.09719	162.53	17.33	16.66	16.72	16.84	6.41E-06	1.60E-05	9.55E-05	4.44E-03	9.71E-01	5.89E-01	8.35E-01
263.10474	20.24	10.00	7.53	5.90	7.03	6.54E-13	1.38E-05	2.59E-13	2.49E-07	1.10E-02	7.89E-01	1.55E-01
263.1055	291.76	17.96	17.16	17.06	16.84	8.44E-09	5.92E-05	3.51E-06	2.18E-08	9.42E-01	3.29E-01	6.54E-01
263.11508	183.3	15.72	14.10	14.52	14.59	3.70E-14	8.58E-14	1.06E-08	2.20E-07	1.56E-01	8.38E-02	9.85E-01
263.1294	161.79	16.44	15.15	15.38	15.19	6.94E-13	5.92E-11	4.95E-08	5.30E-10	6.09E-01	9.98E-01	7.44E-01
263.16572	177.46	16.07	15.53	15.43	15.36	4.27E-05	4.31E-03	4.05E-04	1.36E-04	9.33E-01	7.63E-01	9.78E-01
263.20205	186.45	16.56	14.45	14.06	15.05	2.33E-19	1.27E-13	4.29E-14	1.65E-07	4.32E-01	1.20E-01	1.44E-03
263.2384	253.76	17.63	16.39	16.41	16.86	3.95E-03	7.24E-03	8.27E-03	2.11E-01	1.00E+00	6.36E-01	6.73E-01
263.98006	39.79	16.90	17.43	17.51	17.66	2.16E-07	4.12E-04	3.25E-05	3.81E-07	9.45E-01	3.76E-01	7.02E-01
264.0449	30.07	16.96	16.98	17.38	17.10	1.73E-01	1.00E+00	1.73E-01	9.15E-01	2.39E-01	9.52E-01	5.62E-01
264.05885	21.88	15.76	16.59	16.97	16.61	3.87E-12	1.79E-06	1.55E-12	2.10E-06	8.23E-02	1.00E+00	1.18E-01
264.08454	72.25	14.49	15.62	13.02	13.50	2.93E-94	5.11E-15	5.11E-15	5.11E-15	5.11E-15	5.11E-15	7.73E-09
264.10048	289.54	20.10	17.60	17.96	18.01	5.58E-75	5.11E-15	5.11E-15	5.11E-15	1.65E-03	3.60E-04	9.53E-01

264.10116	62.09	16.12	10.69	14.68	15.60	1.91E-53	5.11E-15	1.18E-06	2.48E-01	5.11E-15	5.11E-15	7.00E-03
264.10924	289.77	17.17	16.81	16.53	16.91	4.92E-05	3.12E-02	1.14E-05	2.21E-01	1.76E-01	8.77E-01	3.29E-02
264.10936	191.73	17.21	16.32	16.10	16.26	3.33E-09	7.29E-06	1.22E-08	3.46E-06	6.38E-01	9.92E-01	8.18E-01
264.1612	226.87	17.07	17.88	18.08	17.67	8.58E-22	5.13E-14	3.40E-14	1.61E-08	1.72E-01	1.49E-01	2.81E-04
264.83768	258.59	17.32	15.36	15.46	16.41	2.66E-07	1.87E-06	5.50E-06	8.11E-02	9.93E-01	4.00E-02	7.38E-02
264.87438	86.87	12.85	13.25	14.69	14.29	3.79E-10	5.09E-01	3.81E-09	1.09E-05	1.01E-05	3.68E-03	5.54E-01
264.8836	91.63	13.37	11.43	14.70	13.32	6.79E-13	5.17E-06	3.21E-03	9.99E-01	8.99E-14	3.03E-05	3.93E-03
264.88788	158.39	17.02	16.47	16.50	17.07	2.30E-04	7.57E-03	1.14E-02	9.92E-01	9.99E-01	5.33E-03	7.99E-03
264.89262	42.4	18.98	17.29	18.13	18.45	5.47E-09	9.12E-10	4.38E-03	1.69E-01	6.49E-03	1.15E-04	6.28E-01
264.93509	41.25	24.29	25.54	25.78	25.62	8.63E-48	5.11E-15	5.11E-15	5.11E-15	3.17E-02	7.86E-01	3.02E-01
264.95287	19.76	21.60	26.48	26.49	25.67	3.45E-48	5.11E-15	5.11E-15	5.11E-15	1.00E+00	4.05E-02	3.77E-02
264.98226	38.72	15.10	14.76	14.37	14.93	8.04E-02	6.54E-01	5.54E-02	9.45E-01	5.38E-01	9.45E-01	2.45E-01
264.98975	20.78	18.53	19.64	19.90	19.69	3.12E-13	1.92E-08	2.98E-12	9.24E-09	4.91E-01	9.92E-01	6.93E-01
264.99882	20.61	17.63	18.93	19.44	19.16	7.52E-15	5.88E-08	8.06E-14	4.24E-10	1.01E-01	7.40E-01	6.16E-01
265.00339	21.56	16.87	16.93	17.05	17.14	3.79E-01	9.79E-01	6.80E-01	3.60E-01	8.98E-01	6.15E-01	9.47E-01
265.02163	26.86	17.31	18.02	18.02	18.27	5.59E-14	1.69E-08	1.46E-08	2.42E-13	1.00E+00	1.81E-01	1.64E-01
265.02696	25.38	17.67	19.03	19.01	18.35	1.11E-17	5.08E-14	5.22E-14	2.46E-04	1.00E+00	3.33E-04	4.25E-04
265.04849	23.87	16.82	15.90	16.45	16.15	8.21E-11	4.84E-11	1.82E-02	4.46E-06	2.12E-04	2.34E-01	1.26E-01
265.05035	287	17.10	10.39	10.36	11.21	5.51E-41	5.11E-15	5.11E-15	5.33E-15	1.00E+00	3.26E-01	2.79E-01
265.0847	290.56	16.83	15.96	16.00	15.57	3.40E-04	1.54E-02	2.24E-02	1.86E-04	9.99E-01	5.77E-01	4.78E-01
265.09461	118.7	15.56	14.11	14.20	14.43	4.92E-21	4.31E-14	4.37E-14	1.23E-11	9.32E-01	1.80E-01	4.61E-01
265.09477	21.03	14.63	12.84	12.90	13.59	2.50E-16	8.35E-14	1.88E-13	2.26E-05	9.93E-01	5.62E-03	1.21E-02
265.096	289.39	16.81	15.21	15.07	15.13	1.17E-08	3.26E-06	2.78E-07	1.97E-06	9.72E-01	9.96E-01	9.97E-01
265.10868	157.91	15.15	14.35	14.19	14.35	3.54E-07	7.26E-05	8.91E-07	1.03E-04	8.12E-01	1.00E+00	8.38E-01
265.1175	64.28	13.97	17.77	12.11	12.72	1.86E-137	5.11E-15	5.11E-15	5.33E-15	5.11E-15	5.11E-15	2.59E-08
265.12119	288.63	17.86	16.00	16.67	16.72	1.97E-11	3.35E-12	9.57E-06	5.08E-05	3.44E-02	2.54E-02	9.97E-01
265.14835	290.01	22.17	22.65	24.07	22.13	9.74E-45	3.06E-04	5.11E-15	9.83E-01	7.33E-15	1.72E-04	5.11E-15
265.14854	74.02	21.75	21.06	20.12	21.73	7.72E-16	2.94E-03	7.31E-14	1.00E+00	2.43E-05	7.49E-03	9.61E-13
265.18142	152.27	15.65	15.43	15.31	15.19	5.62E-03	3.13E-01	4.11E-02	3.92E-03	8.08E-01	3.23E-01	8.31E-01
265.21784	222.26	20.98	20.37	20.47	20.82	1.35E-10	2.22E-09	5.08E-07	3.03E-01	7.19E-01	5.83E-05	2.77E-03
265.9282	29.31	16.60	14.91	14.74	14.86	1.70E-07	2.16E-05	1.65E-06	2.00E-05	9.61E-01	9.99E-01	9.86E-01
265.93843	41.45	19.55	20.79	21.00	20.85	2.68E-44	5.11E-15	5.11E-15	5.11E-15	1.08E-01	9.44E-01	3.54E-01
265.95614	17.17	16.26	21.33	21.26	20.38	1.60E-46	5.11E-15	5.11E-15	5.11E-15	9.97E-01	2.03E-02	3.41E-02
265.9946	19.61	15.70	15.10	15.11	14.78	2.46E-03	6.39E-02	6.30E-02	1.22E-03	1.00E+00	5.64E-01	5.47E-01
266.00557	22.61	17.53	18.28	17.79	18.22	9.04E-12	2.97E-10	7.26E-02	2.08E-08	9.49E-05	9.42E-01	1.39E-03
266.02649	30.04	13.61	13.62	13.76	13.86	8.92E-01	1.00E+00	9.74E-01	9.08E-01	9.77E-01	9.17E-01	9.94E-01
266.03779	32.55	15.72	16.14	16.06	16.15	6.35E-04	2.41E-03	1.61E-02	2.02E-03	9.33E-01	9.99E-01	8.89E-01
266.06295	32.21	17.06	16.04	16.08	16.11	6.88E-13	1.57E-10	6.47E-10	6.83E-09	9.90E-01	9.65E-01	9.98E-01
266.07658	30.89	14.12	15.87	15.99	15.80	4.32E-20	4.87E-14	4.27E-14	2.53E-13	9.37E-01	9.86E-01	7.96E-01
266.09009	29.63	19.30	20.50	20.43	19.93	2.42E-13	8.62E-12	8.68E-11	7.98E-04	9.71E-01	5.21E-03	1.86E-02
266.10546	163.13	15.07	14.36	14.18	14.43	2.22E-07	6.38E-05	2.11E-07	5.84E-04	6.68E-01	9.75E-01	4.22E-01
266.11621	281.47	20.11	17.82	18.09	18.21	1.36E-54	5.11E-15	5.11E-15	5.11E-15	1.10E-01	1.13E-02	7.89E-01
266.15155	287.29	18.13	18.62	20.41	18.22	2.66E-43	3.06E-03	5.11E-15	9.08E-01	5.33E-15	4.01E-02	5.11E-15
266.15188	77.16	18.54	17.50	16.91	18.56	2.23E-10	6.44E-04	1.31E-08	1.00E+00	1.25E-01	1.05E-03	5.10E-08
266.22091	218.42	18.14	17.26	17.46	17.88	3.56E-13	2.68E-12	4.60E-08	1.21E-01	3.16E-01	3.52E-06	3.01E-03

266.87248	54.42	22.85	23.30	23.72	23.44	3.04E-24	1.99E-08	7.33E-15	1.44E-12	2.94E-07	3.00E-01	1.30E-03
266.88052	28.72	13.38	13.82	14.04	13.18	3.19E-01	8.03E-01	5.33E-01	9.78E-01	9.74E-01	5.99E-01	3.43E-01
266.88683	120.65	15.07	12.92	11.82	13.58	1.36E-19	3.72E-10	3.80E-14	3.42E-05	3.51E-03	1.91E-01	1.03E-06
266.91131	87.34	16.45	15.14	15.51	15.81	2.49E-19	4.19E-14	1.75E-11	1.32E-05	2.27E-02	6.91E-06	1.17E-01
266.93219	43.19	20.19	21.47	21.62	21.50	3.95E-39	5.11E-15	5.11E-15	5.11E-15	4.60E-01	9.92E-01	6.60E-01
266.93919	47.82	17.61	18.85	19.09	18.95	8.93E-49	5.11E-15	5.11E-15	5.11E-15	3.39E-02	7.18E-01	3.79E-01
266.96865	20.06	17.68	20.01	20.10	20.29	1.88E-17	3.49E-12	3.32E-13	8.26E-14	9.89E-01	8.12E-01	9.36E-01
266.98544	20.33	15.10	15.44	16.13	15.63	8.10E-04	5.33E-01	2.73E-04	1.75E-01	3.63E-02	8.93E-01	2.19E-01
267.00126	21.33	17.47	17.27	17.42	17.49	6.12E-01	6.63E-01	9.91E-01	9.99E-01	8.37E-01	6.22E-01	9.78E-01
267.02554	159	14.19	11.52	12.81	13.13	4.15E-13	7.37E-14	9.53E-05	7.28E-03	5.42E-04	1.52E-05	7.56E-01
267.06611	289.42	21.89	17.58	17.88	18.40	1.40E-58	5.11E-15	5.11E-15	5.11E-15	4.95E-01	1.49E-03	8.68E-02
267.06709	79.92	15.78	12.57	14.69	13.59	3.18E-12	2.17E-12	4.25E-02	3.52E-06	6.55E-06	9.37E-02	5.71E-02
267.07431	22.07	25.34	25.05	25.56	25.62	4.51E-02	5.20E-01	7.09E-01	5.58E-01	8.42E-02	5.24E-02	9.93E-01
267.10014	290.53	18.29	16.67	16.57	16.90	3.19E-27	3.29E-14	1.29E-14	4.29E-14	8.98E-01	4.74E-01	1.45E-01
267.11181	289.86	16.54	12.52	12.82	14.28	3.51E-15	1.78E-13	4.10E-12	7.05E-05	9.30E-01	4.42E-03	2.55E-02
267.12439	132.59	15.07	14.47	14.59	14.70	4.45E-03	3.32E-03	2.74E-02	1.69E-01	9.03E-01	5.67E-01	9.19E-01
267.13719	219.58	15.92	9.54	9.39	10.15	7.65E-88	5.11E-15	5.11E-15	5.11E-15	9.25E-01	4.50E-02	7.09E-03
267.14462	69.9	16.66	14.05	14.92	16.49	6.24E-14	5.83E-12	4.28E-06	9.64E-01	6.73E-02	9.17E-10	1.14E-04
267.16058	191.54	16.77	15.98	16.36	16.33	7.12E-07	9.48E-08	1.39E-02	9.93E-03	2.83E-02	6.27E-02	9.97E-01
267.19716	190.44	18.34	17.66	17.60	17.38	1.42E-07	2.76E-04	4.46E-05	1.93E-07	9.80E-01	3.57E-01	5.76E-01
267.23357	252.38	24.99	24.64	24.49	25.03	9.45E-08	3.02E-03	5.68E-06	9.87E-01	4.66E-01	1.85E-03	4.33E-06
267.87586	58.42	17.37	17.44	18.31	17.93	1.34E-27	8.43E-01	1.02E-14	6.28E-10	3.71E-14	1.23E-07	6.24E-05
267.93651	47.6	14.87	16.00	16.18	16.15	7.37E-25	4.41E-14	3.51E-14	4.26E-14	4.72E-01	6.63E-01	9.94E-01
267.96244	32.31	16.02	14.52	14.95	14.83	7.46E-03	6.03E-03	8.29E-02	5.39E-02	7.92E-01	9.17E-01	9.94E-01
268.04685	130.36	16.09	15.30	15.11	15.60	1.32E-13	3.62E-09	2.76E-13	8.17E-04	4.31E-01	8.52E-02	8.18E-04
268.0715	24.92	18.56	17.77	18.35	18.46	5.31E-05	4.24E-05	5.95E-01	9.32E-01	6.33E-03	1.17E-03	9.33E-01
268.07763	23.34	21.94	21.50	21.99	22.10	6.91E-02	2.20E-01	9.97E-01	9.03E-01	1.62E-01	6.40E-02	9.63E-01
268.09581	294.28	17.82	17.11	17.00	16.93	1.43E-13	3.35E-08	1.13E-10	1.57E-11	7.89E-01	4.63E-01	9.42E-01
268.10455	27.21	14.42	14.43	14.52	14.58	9.68E-01	1.00E+00	9.92E-01	9.69E-01	9.95E-01	9.79E-01	9.98E-01
268.11675	167.71	15.83	18.61	18.90	18.31	2.72E-34	6.00E-15	5.11E-15	3.35E-14	5.93E-01	5.99E-01	6.60E-02
268.13187	289.85	16.97	16.38	15.94	15.25	6.40E-04	4.59E-01	4.99E-02	2.73E-04	7.04E-01	4.27E-02	3.69E-01
268.20003	174.42	15.16	15.09	14.72	14.58	3.96E-03	9.78E-01	6.58E-02	9.15E-03	1.86E-01	3.63E-02	8.69E-01
268.20047	48.61	14.61	14.04	14.42	14.42	6.27E-01	5.54E-01	9.68E-01	9.72E-01	8.34E-01	8.45E-01	1.00E+00
268.23691	252.89	22.53	22.13	21.96	22.49	6.40E-08	9.98E-04	8.65E-07	9.87E-01	4.19E-01	6.31E-03	1.60E-05
268.8438	240.03	15.96	14.53	15.38	16.02	2.51E-05	8.44E-05	2.70E-01	9.98E-01	5.01E-02	1.06E-04	2.33E-01
268.87065	63.4	20.45	20.76	21.31	21.01	1.43E-23	2.85E-04	1.09E-14	4.63E-11	3.49E-11	1.13E-02	5.68E-04
268.87671	82.19	15.26	15.21	15.43	15.27	2.13E-01	9.66E-01	3.72E-01	9.98E-01	1.81E-01	9.28E-01	5.26E-01
268.88803	52.24	22.43	22.67	23.36	23.13	1.76E-31	4.41E-03	5.11E-15	4.37E-14	4.30E-14	2.40E-08	9.89E-03
268.89615	25.73	15.19	15.45	15.54	14.75	5.59E-03	6.61E-01	3.90E-01	2.32E-01	9.76E-01	1.93E-02	5.00E-03
268.92521	159.31	12.67	13.42	12.23	14.09	1.17E-03	3.77E-01	7.85E-01	1.78E-02	6.51E-02	5.28E-01	1.10E-03
268.93236	148.17	15.17	14.97	15.06	15.15	6.29E-01	6.20E-01	9.21E-01	9.99E-01	9.40E-01	7.28E-01	9.62E-01
268.94197	30.65	15.62	15.41	15.49	15.54	6.08E-01	5.42E-01	8.45E-01	9.60E-01	9.56E-01	8.62E-01	9.91E-01
268.97472	18.53	15.77	17.61	17.42	17.06	2.00E-11	1.69E-10	7.32E-09	1.87E-05	8.93E-01	1.92E-01	5.51E-01
268.98429	19.61	16.51	18.63	18.62	18.47	2.12E-19	4.53E-14	4.46E-14	6.13E-13	1.00E+00	9.23E-01	9.25E-01
269.04593	41.75	15.44	15.07	16.05	14.95	3.56E-02	7.77E-01	4.02E-01	6.16E-01	7.09E-02	9.92E-01	3.97E-02

269.05398	39.98	11.84	13.13	11.87	14.02	1.21E-02	2.97E-01	1.00E+00	2.19E-02	3.38E-01	6.63E-01	2.91E-02
269.07876	24.03	17.86	16.83	17.47	17.63	3.82E-06	1.35E-06	1.78E-01	6.48E-01	7.00E-03	6.52E-04	8.62E-01
269.07992	214.58	14.38	8.82	8.92	9.47	1.87E-30	7.55E-15	8.88E-15	3.92E-14	9.97E-01	5.58E-01	6.70E-01
269.08867	27.5	21.49	22.29	22.09	21.84	1.10E-04	6.90E-05	4.62E-03	2.31E-01	6.86E-01	7.95E-02	5.36E-01
269.10361	152.65	15.16	14.70	15.37	14.91	4.47E-03	6.89E-02	6.83E-01	5.68E-01	3.24E-03	7.05E-01	9.63E-02
269.11608	289.29	17.53	15.44	16.32	15.47	1.12E-10	2.22E-09	9.83E-04	9.60E-09	3.51E-02	1.00E+00	5.38E-02
269.1222	31.11	16.21	17.75	16.36	17.47	5.43E-08	1.82E-06	9.49E-01	2.09E-04	3.34E-05	8.03E-01	2.00E-03
269.13998	185.69	16.63	16.51	16.62	16.43	2.63E-01	6.88E-01	9.98E-01	2.82E-01	7.96E-01	8.99E-01	3.84E-01
269.21259	269.39	22.22	22.72	22.83	22.52	5.56E-03	3.45E-02	4.32E-03	3.90E-01	9.21E-01	7.23E-01	3.41E-01
269.24024	247.81	18.41	17.69	17.49	18.11	9.33E-12	3.10E-07	3.38E-11	1.04E-01	4.12E-01	1.10E-02	3.32E-05
269.24897	277.45	25.42	24.92	25.04	25.47	1.84E-10	1.72E-07	8.14E-05	9.65E-01	5.49E-01	7.44E-08	3.01E-05
269.87396	75.72	14.93	13.97	14.94	14.61	3.59E-11	7.61E-10	9.99E-01	1.35E-01	8.19E-10	1.56E-04	1.13E-01
269.89152	60.51	16.92	16.50	17.92	17.60	3.29E-31	6.47E-04	4.35E-14	1.08E-08	5.11E-15	4.23E-14	2.22E-02
270.04959	70.76	13.48	14.36	15.46	15.83	3.58E-12	3.06E-02	1.15E-08	5.46E-11	4.91E-03	1.06E-04	6.69E-01
270.06247	132.93	15.82	14.04	14.32	15.06	4.14E-17	4.34E-14	4.16E-12	1.29E-03	4.95E-01	1.18E-05	2.63E-03
270.07542	171	13.50	12.99	13.17	13.58	4.87E-01	6.20E-01	8.55E-01	9.97E-01	9.76E-01	5.35E-01	7.76E-01
270.07555	19.89	15.16	16.70	16.30	16.54	1.30E-12	1.40E-11	5.06E-07	3.42E-09	2.30E-01	8.82E-01	6.81E-01
270.09211	28.06	17.70	18.50	18.23	17.98	1.02E-03	5.29E-04	4.11E-02	5.20E-01	5.51E-01	7.18E-02	6.41E-01
270.09962	207.33	17.55	15.64	15.62	16.24	1.34E-23	4.21E-14	3.91E-14	4.49E-10	9.99E-01	1.29E-02	7.72E-03
270.11099	293.59	17.45	17.08	17.06	17.14	3.89E-03	1.24E-02	6.55E-03	5.61E-02	9.98E-01	9.71E-01	9.28E-01
270.20818	149.96	15.25	14.54	14.35	14.62	3.86E-09	5.26E-06	3.79E-09	1.12E-04	5.50E-01	9.48E-01	2.58E-01
270.20831	23.04	14.12	12.91	11.88	14.13	4.98E-10	4.46E-03	9.32E-09	1.00E+00	2.89E-02	7.65E-03	5.22E-08
270.21595	234.16	19.36	18.93	19.11	18.98	2.85E-02	2.70E-02	3.41E-01	7.94E-02	6.68E-01	9.87E-01	8.66E-01
270.25229	278.95	22.96	22.42	22.50	22.90	8.36E-09	4.97E-07	2.53E-05	9.30E-01	8.27E-01	3.11E-05	8.17E-04
270.84931	80.13	15.65	16.83	17.04	16.97	7.92E-29	4.37E-14	7.77E-15	2.91E-14	2.87E-01	6.66E-01	9.37E-01
270.86875	73.84	16.06	15.50	16.53	16.19	1.35E-29	3.92E-12	3.07E-09	2.88E-01	5.11E-15	4.26E-14	9.11E-05
270.88029	45.99	19.17	18.03	18.93	18.51	3.35E-09	3.09E-09	4.99E-01	1.60E-03	6.55E-06	5.15E-02	1.03E-01
270.88628	52.16	20.01	20.17	20.93	20.67	2.71E-31	1.16E-01	5.11E-15	4.40E-14	4.00E-14	1.65E-09	3.59E-03
270.89205	50.71	17.54	18.51	18.93	18.62	7.44E-20	1.35E-10	4.20E-14	2.59E-12	1.60E-02	8.47E-01	1.56E-01
270.90109	37.01	20.77	21.14	21.47	21.45	7.98E-11	2.92E-03	1.19E-09	1.23E-08	1.45E-02	3.29E-02	9.98E-01
270.94306	164.56	16.60	13.41	12.70	14.33	1.06E-31	2.33E-14	5.11E-15	2.37E-12	7.85E-02	1.35E-02	8.99E-07
270.9871	23.59	17.46	19.33	19.29	19.50	1.53E-23	4.16E-14	4.40E-14	4.31E-14	9.98E-01	8.31E-01	7.40E-01
271.00533	24.94	24.54	24.20	24.34	24.24	2.35E-03	2.66E-03	1.45E-01	1.13E-02	4.99E-01	9.87E-01	7.33E-01
271.05945	17.01	19.45	18.69	18.43	18.19	3.96E-09	6.02E-04	1.68E-06	6.52E-09	5.82E-01	7.07E-02	6.08E-01
271.0706	23.8	18.57	17.85	18.08	18.26	3.15E-08	1.01E-08	1.36E-04	4.28E-02	2.04E-01	4.62E-03	4.42E-01
271.09514	289.69	16.90	12.49	13.77	13.40	7.20E-15	6.42E-14	2.90E-08	2.17E-09	7.89E-02	3.46E-01	9.08E-01
271.0954	214.83	16.73	8.99	9.55	10.14	1.42E-42	5.11E-15	5.11E-15	5.11E-15	6.77E-01	1.22E-01	6.63E-01
271.10556	17.17	15.08	13.59	15.23	15.12	6.10E-05	6.65E-04	9.79E-01	9.99E-01	2.00E-04	9.51E-04	9.94E-01
271.11896	174.28	16.08	15.77	16.16	15.84	1.85E-01	4.16E-01	9.79E-01	6.33E-01	2.35E-01	9.91E-01	4.14E-01
271.15568	176.43	16.95	16.56	16.80	16.41	1.25E-05	2.73E-03	4.68E-01	1.45E-05	1.70E-01	5.31E-01	4.85E-03
271.19221	18.28	16.58	15.67	16.08	16.02	1.51E-08	2.09E-09	2.33E-03	6.83E-04	1.77E-02	7.61E-02	9.70E-01
271.20774	25.63	16.69	13.97	15.41	16.98	1.97E-11	2.74E-09	1.20E-02	9.02E-01	4.50E-03	4.25E-10	2.20E-03
271.21966	180.74	16.01	15.28	15.09	15.61	1.26E-10	5.87E-07	1.66E-10	1.72E-02	4.95E-01	9.33E-02	1.39E-03
271.22833	209.59	21.94	21.68	20.78	20.74	3.38E-21	2.20E-01	4.22E-14	4.29E-14	7.98E-10	5.47E-10	9.92E-01
271.2558	278.71	18.68	17.76	17.87	18.44	2.22E-14	3.58E-12	7.79E-10	2.07E-01	7.76E-01	1.29E-06	7.36E-05

271.88953	65.66	14.62	12.38	14.32	14.66	6.89E-28	1.15E-14	3.92E-01	9.97E-01	4.33E-14	2.07E-14	3.31E-01
272.00159	17.78	18.97	19.18	19.25	19.63	9.00E-03	6.70E-01	4.02E-01	3.65E-03	9.77E-01	1.04E-01	2.26E-01
272.00833	24.68	19.96	19.56	19.68	19.62	6.76E-05	7.10E-05	1.26E-02	1.57E-03	4.99E-01	9.15E-01	8.93E-01
272.0551	20.95	16.42	16.81	16.67	16.61	4.57E-03	1.88E-03	9.06E-02	3.21E-01	5.68E-01	2.79E-01	9.47E-01
272.06502	20.84	15.81	16.14	16.27	16.12	1.43E-01	3.66E-01	1.10E-01	4.44E-01	9.30E-01	1.00E+00	9.04E-01
272.07833	148.67	16.64	14.93	14.74	15.53	1.99E-21	4.24E-14	4.11E-14	1.48E-07	7.47E-01	1.32E-02	3.86E-04
272.11616	214.98	15.42	7.80	7.85	8.65	4.06E-64	5.11E-15	5.11E-15	5.11E-15	9.99E-01	1.13E-01	1.44E-01
272.12588	290.06	15.41	14.20	14.54	15.96	9.04E-03	1.14E-01	3.69E-01	7.55E-01	9.24E-01	1.19E-02	6.14E-02
272.2317	200.26	19.37	19.14	18.29	18.44	8.19E-16	3.23E-01	3.05E-13	9.22E-10	1.95E-08	1.01E-05	7.16E-01
272.8385	96.59	14.96	14.59	14.96	15.08	9.12E-04	1.12E-02	1.00E+00	7.72E-01	1.48E-02	7.79E-04	7.67E-01
272.84741	91.78	13.34	13.89	13.74	13.88	3.62E-03	6.71E-03	7.76E-02	9.78E-03	8.22E-01	1.00E+00	8.49E-01
272.86514	88.72	14.04	14.83	15.22	15.37	3.51E-06	1.48E-02	5.28E-05	9.55E-06	4.68E-01	2.18E-01	9.52E-01
272.87762	47.29	17.64	16.02	17.08	16.55	5.94E-12	3.19E-12	3.69E-02	5.61E-06	1.11E-05	8.62E-02	8.20E-02
272.88413	34.58	15.72	14.15	15.95	15.70	6.40E-17	1.21E-12	6.66E-01	1.00E+00	4.66E-14	2.70E-11	6.37E-01
272.89345	139.2	13.51	13.29	12.70	14.63	1.38E-03	9.65E-01	2.88E-01	8.56E-02	5.88E-01	3.21E-02	4.84E-04
272.90118	138.4	21.45	19.90	19.28	20.26	3.37E-36	2.62E-14	5.11E-15	1.39E-13	1.67E-04	6.45E-02	1.16E-09
272.94494	19.28	16.86	16.55	16.82	17.32	2.53E-03	3.68E-01	9.97E-01	8.45E-02	5.12E-01	8.83E-04	5.74E-02
272.95856	152.2	17.81	15.73	15.34	16.59	8.24E-27	4.34E-14	7.33E-15	1.49E-07	2.63E-01	5.89E-04	1.57E-07
273.00289	19.74	21.38	21.71	21.76	21.67	3.46E-07	2.14E-05	9.25E-07	4.52E-04	9.30E-01	9.35E-01	6.37E-01
273.0091	24.35	17.48	16.75	17.00	16.92	1.60E-10	1.25E-10	3.35E-05	1.54E-06	7.85E-02	4.24E-01	8.49E-01
273.0863	72.01	13.43	13.18	14.61	15.33	3.02E-10	8.64E-01	1.59E-03	1.90E-07	1.23E-04	8.62E-09	1.46E-01
273.09322	22.75	18.88	19.17	19.24	18.89	3.48E-02	2.17E-01	7.86E-02	1.00E+00	9.71E-01	2.81E-01	1.16E-01
273.09869	151.78	15.24	15.81	16.00	15.56	3.72E-10	2.74E-06	2.95E-10	2.40E-02	3.68E-01	1.41E-01	1.29E-03
273.0998	17.62	14.53	14.19	14.15	13.95	3.19E-02	2.80E-01	1.93E-01	1.89E-02	9.98E-01	6.51E-01	7.52E-01
273.11129	212.06	17.13	12.59	11.92	13.66	9.20E-27	3.99E-14	7.55E-15	2.59E-12	4.49E-01	9.92E-02	1.17E-03
273.11142	33.2	15.57	10.29	10.19	11.69	4.17E-26	3.02E-14	2.18E-14	1.55E-12	9.97E-01	3.28E-02	1.79E-02
273.13495	166.28	16.32	16.18	16.55	15.82	1.26E-05	7.46E-01	3.04E-01	2.44E-03	3.95E-02	5.96E-02	3.37E-06
273.17132	155.41	15.10	14.35	14.33	14.46	8.31E-06	8.93E-05	4.09E-05	1.53E-03	9.99E-01	9.34E-01	8.85E-01
273.18669	114.6	15.38	13.70	14.46	14.23	1.01E-18	4.20E-14	3.45E-07	6.91E-10	5.26E-05	1.20E-02	5.51E-01
273.20775	200.87	19.40	18.65	18.80	19.07	2.85E-09	4.47E-09	2.77E-06	3.65E-02	5.85E-01	3.49E-03	1.10E-01
273.2352	166.79	14.90	14.58	14.55	14.77	2.29E-01	3.32E-01	2.61E-01	9.03E-01	9.99E-01	7.87E-01	7.13E-01
273.97196	28.82	14.02	14.42	14.74	14.88	3.75E-02	5.67E-01	9.72E-02	3.78E-02	7.61E-01	5.05E-01	9.70E-01
273.99766	23.36	16.77	16.90	16.90	16.59	2.01E-01	8.44E-01	8.13E-01	6.83E-01	1.00E+00	2.48E-01	2.20E-01
274.00558	21.87	17.03	17.32	17.32	17.25	1.67E-03	4.60E-03	3.48E-03	5.57E-02	1.00E+00	8.83E-01	8.60E-01
274.02197	29.26	13.88	14.77	14.93	14.51	2.35E-04	2.81E-03	2.12E-04	7.26E-02	9.22E-01	7.64E-01	3.82E-01
274.08377	76.44	14.34	15.24	16.41	16.63	1.01E-32	2.37E-06	6.88E-15	5.11E-15	1.32E-09	4.73E-12	6.38E-01
274.09371	287.63	19.09	18.15	18.13	18.63	1.02E-18	4.62E-14	4.27E-14	2.68E-04	9.98E-01	1.90E-04	7.59E-05
274.10551	18.71	21.23	21.91	22.00	21.84	6.32E-08	6.80E-06	2.46E-07	1.03E-04	9.27E-01	9.65E-01	7.03E-01
274.12475	31.91	17.43	16.62	17.08	16.77	5.84E-04	5.10E-04	2.96E-01	9.47E-03	1.25E-01	8.94E-01	4.76E-01
274.13181	209.78	15.17	10.22	10.22	11.76	8.43E-20	4.42E-14	4.35E-14	1.51E-08	1.00E+00	3.49E-02	3.19E-02
274.14193	21.88	16.14	17.02	17.09	16.85	3.26E-08	1.65E-06	1.64E-07	2.86E-04	9.78E-01	7.50E-01	5.02E-01
274.17812	27.06	12.97	13.83	14.20	13.98	3.01E-04	2.15E-02	2.50E-04	5.88E-03	6.18E-01	9.64E-01	8.96E-01
274.21101	201.76	16.27	15.10	15.12	15.60	7.62E-13	4.90E-11	7.61E-11	4.26E-04	9.99E-01	2.02E-02	2.77E-02
274.84466	92.94	13.57	14.19	13.96	13.95	3.75E-03	1.57E-03	8.69E-02	1.26E-01	5.48E-01	5.26E-01	1.00E+00
274.88888	19.44	15.51	16.30	15.69	17.11	5.46E-13	6.31E-04	8.08E-01	2.33E-12	1.62E-02	1.13E-03	8.46E-10

274.89946	118.56	16.36	14.58	14.74	14.94	4.89E-26	2.00E-14	4.09E-14	4.69E-14	7.72E-01	1.38E-01	6.01E-01
274.91685	134.19	19.18	19.09	19.87	19.16	6.53E-02	9.92E-01	1.35E-01	1.00E+00	8.41E-02	9.97E-01	1.53E-01
274.95586	27.59	14.80	15.87	15.99	15.20	4.27E-05	9.17E-04	1.25E-04	5.03E-01	9.69E-01	1.05E-01	3.30E-02
274.98901	18.66	13.48	14.82	13.50	13.06	3.86E-06	3.26E-04	1.00E+00	5.86E-01	5.50E-04	3.86E-06	5.70E-01
275.05514	23.29	17.05	17.10	17.03	17.15	4.91E-01	9.08E-01	9.99E-01	5.80E-01	8.54E-01	9.31E-01	5.07E-01
275.08938	18.17	20.02	21.79	21.89	22.06	6.19E-18	3.64E-12	1.67E-13	5.17E-14	9.68E-01	6.82E-01	9.05E-01
275.09704	155.44	16.94	15.06	15.32	15.59	1.91E-26	1.02E-14	4.22E-14	1.22E-13	3.81E-01	1.08E-02	3.86E-01
275.1087	23.53	24.22	24.52	24.66	24.06	1.08E-03	2.09E-01	2.45E-02	7.65E-01	8.29E-01	2.84E-02	1.82E-03
275.11421	155.06	14.95	14.02	14.81	14.26	5.27E-04	1.14E-03	9.40E-01	3.51E-02	9.95E-03	7.84E-01	1.48E-01
275.115	17.6	15.26	14.31	13.71	14.53	1.05E-02	1.70E-01	4.40E-03	4.16E-01	5.73E-01	9.69E-01	3.20E-01
275.15048	144.67	15.05	12.64	12.87	13.29	1.05E-16	4.92E-14	6.74E-13	1.58E-08	8.50E-01	1.28E-01	4.85E-01
275.16911	106.53	14.74	15.54	14.70	16.66	3.28E-05	2.46E-01	1.00E+00	1.06E-04	2.18E-01	6.31E-02	9.80E-05
275.20213	186.49	23.19	20.41	20.97	21.28	6.57E-55	5.11E-15	5.11E-15	5.11E-15	3.84E-04	2.38E-08	1.22E-01
275.92049	63.55	13.98	10.62	11.51	11.47	1.23E-05	9.27E-06	1.70E-03	2.24E-03	5.81E-01	6.39E-01	1.00E+00
275.9568	35.4	19.04	18.62	19.00	18.25	8.95E-03	3.37E-01	9.99E-01	1.24E-02	4.40E-01	4.98E-01	2.27E-02
275.9802	64.41	13.97	11.10	11.43	14.48	9.41E-32	4.15E-14	4.33E-14	2.84E-01	6.62E-01	1.53E-14	3.99E-14
275.98731	31.25	16.89	19.04	19.23	18.34	4.49E-55	5.11E-15	5.11E-15	7.77E-15	3.68E-01	3.64E-07	4.49E-11
275.99499	23.21	11.98	13.20	13.57	14.34	1.95E-06	2.06E-02	9.26E-04	6.58E-07	8.19E-01	5.10E-02	3.00E-01
276.00775	28.06	13.95	14.04	14.43	13.57	1.72E-02	9.87E-01	2.29E-01	4.57E-01	4.28E-01	3.00E-01	7.33E-03
276.01974	20.28	15.73	16.17	15.54	16.78	2.48E-06	2.22E-01	8.46E-01	6.99E-05	3.97E-02	5.67E-02	3.10E-06
276.04019	22.48	17.88	18.35	18.14	18.80	2.43E-11	6.04E-04	1.18E-01	5.15E-12	3.24E-01	1.87E-03	1.37E-06
276.07318	135.79	15.41	14.83	14.64	14.85	8.64E-09	1.89E-05	7.13E-09	7.80E-05	4.49E-01	9.97E-01	3.55E-01
276.086	25.84	15.95	15.24	15.68	15.71	1.16E-01	7.14E-02	7.76E-01	8.47E-01	4.56E-01	4.24E-01	1.00E+00
276.0927	17.68	16.41	18.20	18.31	18.49	1.10E-16	3.24E-11	1.10E-12	1.28E-13	9.64E-01	6.77E-01	9.10E-01
276.10092	294.14	18.40	16.86	16.95	16.84	1.20E-46	5.11E-15	5.11E-15	5.11E-15	7.61E-01	9.99E-01	6.81E-01
276.10933	207.83	20.09	19.69	19.71	19.65	1.03E-03	6.88E-03	9.25E-03	2.84E-03	9.99E-01	9.87E-01	9.69E-01
276.11199	23.26	18.29	19.12	19.26	18.51	2.94E-06	3.82E-04	1.69E-05	7.07E-01	9.05E-01	2.72E-02	3.14E-03
276.11884	189.29	16.18	15.79	15.58	15.94	1.94E-02	1.88E-01	1.05E-02	6.27E-01	7.05E-01	8.83E-01	2.80E-01
276.20545	176.34	20.68	17.78	18.43	18.70	1.78E-56	5.11E-15	5.11E-15	5.11E-15	2.54E-05	5.46E-09	2.50E-01
276.84639	95.89	15.31	14.58	14.75	15.27	4.99E-08	1.41E-06	3.57E-04	9.91E-01	5.87E-01	2.02E-05	2.42E-03
276.85427	76.79	18.98	19.51	19.54	19.24	1.36E-10	2.38E-08	2.08E-09	1.91E-02	9.82E-01	1.80E-02	5.27E-03
276.86596	29.25	12.10	14.03	15.12	13.89	3.51E-07	1.25E-03	6.94E-08	4.57E-03	1.65E-01	9.93E-01	1.03E-01
276.87499	133.88	18.14	16.13	16.23	16.82	1.37E-19	4.36E-14	4.24E-14	3.84E-08	9.67E-01	1.30E-02	4.37E-02
276.90894	148.67	16.89	14.77	14.76	15.89	2.24E-39	5.11E-15	5.11E-15	1.59E-09	1.00E+00	4.78E-11	2.26E-11
276.90916	27.9	16.77	17.51	17.81	16.76	7.65E-06	1.10E-02	9.20E-05	1.00E+00	6.07E-01	1.57E-02	2.00E-04
276.91472	81.94	16.72	14.46	15.91	15.97	2.32E-29	5.11E-15	9.11E-06	9.15E-05	4.98E-14	4.66E-14	9.86E-01
276.92091	73.41	15.21	13.42	14.75	14.64	1.85E-06	6.02E-07	4.78E-01	3.25E-01	4.92E-04	2.49E-03	9.90E-01
276.97147	37.34	15.61	16.45	16.59	16.38	1.61E-12	7.91E-09	1.25E-11	2.48E-07	7.34E-01	9.64E-01	4.51E-01
276.99235	46.61	19.05	18.32	18.53	18.60	2.93E-02	1.84E-02	1.48E-01	2.89E-01	8.42E-01	7.07E-01	9.93E-01
277.01243	21.26	15.46	14.25	14.04	14.49	4.52E-11	5.29E-08	1.26E-10	2.98E-05	7.52E-01	6.78E-01	1.56E-01
277.02273	19.58	16.13	15.81	15.20	15.68	1.33E-03	5.24E-01	4.36E-04	2.44E-01	5.09E-02	9.52E-01	1.96E-01
277.03389	22.53	19.45	21.33	20.86	20.82	1.15E-28	5.11E-15	4.36E-14	4.31E-14	1.20E-02	6.63E-03	9.91E-01
277.05987	22.99	18.64	18.09	18.29	18.39	8.31E-04	2.87E-04	4.39E-02	2.50E-01	4.41E-01	1.50E-01	9.06E-01
277.08582	22.19	16.56	15.48	15.74	15.54	2.66E-04	5.76E-04	1.41E-02	1.77E-03	7.86E-01	9.97E-01	8.91E-01
277.09612	289.92	17.04	13.48	12.89	13.60	5.15E-34	1.04E-14	5.11E-15	2.60E-14	2.31E-01	9.85E-01	1.23E-01

277.11273	189.42	16.38	15.13	15.47	15.72	4.09E-08	1.73E-08	4.69E-05	8.92E-03	3.66E-01	3.07E-02	6.23E-01
277.11296	24.31	17.83	18.10	18.10	17.53	2.61E-03	3.45E-01	3.24E-01	2.84E-01	1.00E+00	5.91E-03	4.98E-03
277.12303	173.22	15.58	15.43	15.86	15.33	8.65E-06	4.50E-01	3.35E-02	7.72E-02	3.23E-04	7.81E-01	8.26E-06
277.12349	26.65	18.20	16.08	16.29	16.52	5.04E-17	4.71E-14	7.31E-13	8.32E-10	8.27E-01	3.18E-01	8.08E-01
277.14492	285.73	21.38	20.83	21.01	20.64	2.30E-06	3.90E-04	3.16E-02	1.40E-06	5.63E-01	5.39E-01	4.60E-02
277.14517	20.89	19.62	20.15	19.15	19.26	5.39E-07	2.02E-02	4.09E-02	2.02E-01	8.21E-07	2.92E-05	9.35E-01
277.18147	159.44	15.86	14.65	15.04	15.02	7.38E-15	4.64E-14	5.07E-08	6.61E-08	3.26E-02	6.18E-02	9.99E-01
277.18167	37.8	16.39	15.27	16.12	16.50	1.31E-03	3.54E-03	8.28E-01	9.87E-01	5.29E-02	2.11E-03	6.66E-01
277.20963	193.22	17.05	14.13	14.32	15.99	1.08E-19	4.29E-14	4.85E-14	7.19E-03	9.34E-01	4.29E-07	5.62E-06
277.21788	222.89	27.72	26.97	27.17	27.55	7.20E-12	5.86E-11	1.21E-06	3.86E-01	2.57E-01	1.92E-06	2.91E-03
277.85297	240.05	16.47	13.36	14.77	15.31	1.85E-15	4.31E-14	5.00E-06	5.44E-03	3.23E-04	6.55E-07	4.23E-01
277.912	30.25	14.02	14.62	15.30	14.79	1.87E-05	8.61E-02	3.91E-06	1.62E-02	4.24E-02	9.11E-01	2.24E-01
277.98755	30.34	17.04	17.32	17.68	17.16	8.10E-05	1.93E-01	4.28E-05	8.41E-01	6.17E-02	6.99E-01	2.73E-03
278.03743	22.48	14.80	16.67	16.20	16.19	5.89E-18	4.37E-14	5.50E-11	3.24E-10	8.72E-02	9.25E-02	1.00E+00
278.04379	27.74	15.89	14.87	15.11	15.29	2.80E-10	1.91E-10	1.01E-06	4.78E-04	3.77E-01	3.46E-02	6.38E-01
278.05594	23.17	16.94	15.68	15.93	16.41	1.71E-07	2.20E-07	4.33E-05	9.65E-02	6.69E-01	9.88E-03	1.65E-01
278.08874	116.87	15.50	13.73	13.66	13.85	5.62E-26	4.02E-14	2.93E-14	4.29E-14	9.81E-01	9.03E-01	7.12E-01
278.09811	128.57	15.83	13.97	13.94	14.00	2.70E-14	6.63E-11	1.86E-11	3.49E-10	9.99E-01	1.00E+00	9.95E-01
278.11648	284.1	19.32	17.17	17.27	17.58	2.91E-60	5.11E-15	5.11E-15	5.11E-15	7.50E-01	1.31E-03	2.80E-02
278.14826	294.37	17.78	17.53	17.45	17.34	5.85E-04	9.44E-02	1.13E-02	3.46E-04	8.82E-01	2.89E-01	7.09E-01
278.2211	217.42	25.39	24.49	24.79	25.13	1.01E-14	5.66E-14	2.18E-07	7.77E-02	2.54E-02	1.68E-07	1.40E-02
278.84638	154.41	12.58	17.01	17.17	16.21	3.27E-28	2.00E-14	1.02E-14	4.35E-14	9.79E-01	2.24E-01	9.70E-02
278.85229	90.62	16.21	16.50	16.63	16.29	2.36E-06	2.77E-03	4.88E-06	7.94E-01	4.62E-01	6.97E-02	7.22E-04
278.85927	25.14	13.28	14.68	15.08	15.38	4.30E-07	1.62E-03	1.90E-05	1.08E-06	7.34E-01	3.02E-01	8.72E-01
278.90644	37.47	14.64	15.73	15.58	14.18	1.78E-05	7.86E-03	2.67E-02	5.52E-01	9.75E-01	1.27E-04	5.74E-04
278.92503	32.62	17.16	17.96	18.45	17.18	3.99E-14	3.77E-05	5.62E-12	1.00E+00	2.59E-02	1.46E-04	9.97E-11
278.92973	47.69	19.09	18.61	18.91	18.97	1.66E-01	1.19E-01	8.27E-01	9.48E-01	5.31E-01	3.90E-01	9.92E-01
278.95064	42.86	21.87	22.09	22.34	22.34	1.70E-05	1.62E-01	7.56E-05	1.45E-04	1.03E-01	1.22E-01	1.00E+00
278.9601	240.59	18.25	17.06	17.56	17.77	1.09E-17	4.20E-14	1.07E-07	6.14E-04	3.33E-04	3.41E-07	3.44E-01
279.02739	26.03	18.66	18.18	18.36	18.38	4.41E-02	2.42E-02	2.75E-01	3.63E-01	7.20E-01	6.77E-01	1.00E+00
279.03987	20.47	23.05	22.43	22.78	22.95	1.07E-03	6.81E-04	3.27E-01	9.31E-01	1.28E-01	1.07E-02	7.41E-01
279.04814	62.23	11.81	12.22	15.34	16.92	1.69E-14	9.18E-01	7.04E-07	3.62E-12	2.87E-05	4.66E-10	9.56E-02
279.08109	240.21	17.88	16.41	17.00	17.21	4.54E-14	4.66E-14	1.91E-06	8.65E-04	3.94E-03	5.89E-05	6.21E-01
279.1004	217.68	14.86	6.83	6.75	7.89	6.23E-35	5.11E-15	5.11E-15	2.60E-14	9.99E-01	3.59E-01	2.89E-01
279.11319	264.14	18.31	13.88	13.93	14.90	2.38E-45	5.11E-15	5.11E-15	6.22E-15	9.98E-01	2.77E-03	4.66E-03
279.16374	136.84	18.22	15.84	15.43	18.33	8.09E-11	1.04E-05	1.22E-07	9.96E-01	8.36E-01	1.25E-05	1.95E-07
279.16989	239.62	18.54	16.22	17.21	17.47	6.50E-13	9.25E-14	1.61E-05	1.33E-03	3.10E-03	1.68E-04	8.10E-01
279.19669	34.53	21.29	20.30	20.83	21.77	6.26E-08	1.57E-04	1.93E-01	1.76E-01	1.09E-01	3.68E-08	7.56E-04
279.22527	222.11	22.17	21.07	21.45	21.92	3.61E-12	7.43E-12	8.54E-06	3.35E-01	5.16E-02	5.98E-07	1.39E-02
279.2336	245.96	31.05	31.00	31.08	31.21	8.06E-03	8.30E-01	9.51E-01	4.17E-02	5.31E-01	4.54E-03	1.56E-01
279.38667	240.16	17.85	16.78	17.06	17.28	2.37E-13	1.72E-13	2.54E-08	1.63E-04	1.61E-01	2.20E-03	3.82E-01
279.40329	240.37	18.96	17.31	17.85	18.24	5.80E-17	4.33E-14	3.59E-09	4.07E-04	1.24E-02	3.95E-06	1.38E-01
279.41111	246.16	16.60	15.72	15.71	16.08	1.68E-08	3.40E-07	1.68E-07	6.83E-03	1.00E+00	1.41E-01	1.13E-01
279.42499	240.16	16.83	15.70	16.09	16.26	1.88E-09	3.55E-10	5.05E-05	4.63E-03	9.59E-02	7.63E-03	7.52E-01
279.50803	240.62	18.24	17.04	17.47	17.75	1.01E-17	4.31E-14	6.43E-09	6.26E-04	3.36E-03	5.74E-07	1.35E-01

279.51959	239.71	18.64	17.75	18.10	18.32	1.20E-15	4.26E-14	4.32E-07	9.22E-03	2.54E-03	3.99E-07	1.37E-01
279.9089	23.38	15.00	14.45	15.68	15.54	2.90E-05	1.63E-01	4.54E-02	1.89E-01	4.48E-05	6.77E-04	9.54E-01
279.95399	48.48	17.08	17.17	17.47	17.51	2.71E-04	8.83E-01	3.83E-03	1.93E-03	4.59E-02	2.51E-02	9.90E-01
280.0118	26.67	13.92	14.00	13.94	14.89	1.62E-02	9.95E-01	1.00E+00	2.37E-02	9.98E-01	5.35E-02	3.22E-02
280.03659	25.21	17.86	19.90	19.81	19.54	5.48E-42	5.11E-15	5.11E-15	5.77E-15	9.22E-01	5.33E-02	2.03E-01
280.04311	20.06	19.38	18.70	19.09	19.24	4.72E-04	2.28E-04	2.66E-01	8.37E-01	9.09E-02	9.50E-03	8.03E-01
280.09571	290.27	17.48	16.81	16.66	16.12	2.84E-09	3.08E-03	1.62E-04	4.25E-10	8.89E-01	5.31E-03	4.04E-02
280.10456	78.26	14.48	10.76	13.31	14.09	1.64E-17	4.14E-14	1.72E-02	7.78E-01	1.21E-08	7.41E-13	2.38E-01
280.11381	163.2	19.79	19.12	19.09	19.16	8.27E-10	1.28E-07	2.90E-08	1.55E-06	9.96E-01	9.87E-01	9.44E-01
280.13239	294.27	17.84	16.82	16.83	16.95	3.25E-13	7.75E-11	8.90E-11	3.42E-08	1.00E+00	8.17E-01	8.56E-01
280.2	34.41	18.55	17.03	17.94	18.80	3.46E-06	5.58E-05	2.61E-01	8.89E-01	4.09E-02	7.01E-06	7.25E-02
280.22744	222.11	16.68	15.03	15.12	15.73	1.82E-12	4.69E-11	3.32E-10	3.73E-04	9.80E-01	2.18E-02	5.73E-02
280.23574	247.55	28.82	28.53	28.69	28.93	3.38E-08	2.85E-05	1.36E-01	3.39E-01	6.41E-02	3.24E-08	1.56E-03
280.62555	240.16	16.96	15.16	16.17	15.99	4.37E-07	5.81E-08	4.46E-02	9.91E-03	6.37E-03	5.02E-02	9.32E-01
280.84304	108.43	16.27	15.78	15.82	16.00	5.10E-03	6.49E-03	1.53E-02	2.85E-01	9.91E-01	5.13E-01	6.88E-01
280.86184	149.73	10.45	17.86	17.60	17.48	9.04E-59	5.11E-15	5.11E-15	5.11E-15	9.02E-01	7.77E-01	9.91E-01
280.88807	68.99	18.59	18.40	19.03	18.89	7.10E-10	1.99E-01	2.78E-05	9.98E-03	3.24E-09	9.16E-06	5.29E-01
280.90899	46.13	24.04	24.76	25.30	25.09	1.63E-44	4.29E-14	5.11E-15	5.11E-15	2.17E-11	8.77E-05	3.59E-02
280.92172	26.79	15.25	16.27	16.63	15.38	2.02E-09	1.06E-04	4.42E-08	9.45E-01	4.13E-01	2.09E-03	3.38E-06
280.92757	55.16	15.02	14.41	15.14	15.28	3.02E-04	1.47E-02	9.27E-01	5.86E-01	2.52E-03	3.40E-04	9.13E-01
280.93144	191.99	12.97	12.30	13.13	13.34	1.76E-01	4.78E-01	9.87E-01	8.69E-01	3.08E-01	1.53E-01	9.72E-01
280.94879	48.33	17.30	17.57	17.94	17.93	8.25E-09	6.78E-02	1.42E-07	5.13E-07	8.40E-03	1.36E-02	1.00E+00
280.957	39.54	14.68	14.20	13.59	14.39	9.21E-03	4.45E-01	4.45E-03	8.15E-01	2.58E-01	9.45E-01	8.91E-02
280.96093	264.74	18.72	17.73	17.90	18.33	1.21E-09	3.71E-09	1.11E-06	5.99E-02	6.81E-01	1.62E-03	4.49E-02
280.97272	264.99	18.18	16.14	16.68	17.68	7.48E-14	7.15E-13	8.87E-08	2.33E-01	1.71E-01	2.66E-07	1.47E-03
280.98344	290.32	16.31	16.70	16.69	16.83	1.10E-02	7.26E-02	8.25E-02	9.70E-03	1.00E+00	8.72E-01	8.36E-01
280.98981	32.33	16.34	16.78	17.74	18.30	7.95E-31	1.41E-02	4.31E-14	5.11E-15	9.13E-09	4.26E-14	1.79E-03
281.032	23.16	11.33	16.33	16.78	14.52	1.58E-44	5.11E-15	5.11E-15	4.42E-14	5.13E-01	2.05E-06	1.37E-09
281.03708	23.38	21.31	20.74	21.05	21.23	8.75E-04	6.30E-04	2.65E-01	9.48E-01	1.59E-01	8.40E-03	6.33E-01
281.04545	20.09	15.02	12.98	15.36	15.70	7.92E-08	7.01E-05	8.80E-01	4.68E-01	4.12E-06	2.78E-07	8.88E-01
281.05289	27.27	20.38	20.57	20.67	20.56	3.18E-01	6.31E-01	2.47E-01	6.98E-01	9.19E-01	1.00E+00	8.97E-01
281.07371	43.27	13.66	15.75	16.30	15.29	3.33E-07	6.94E-05	2.30E-07	4.57E-03	6.66E-01	7.76E-01	1.66E-01
281.07671	270.2	17.05	16.24	16.82	16.88	1.71E-02	1.10E-02	8.07E-01	9.24E-01	1.30E-01	9.04E-02	9.95E-01
281.09172	62.76	9.85	16.61	6.33	6.95	1.29E-44	1.64E-14	4.83E-08	2.00E-05	5.11E-15	5.11E-15	7.48E-01
281.09474	264.79	17.77	16.31	17.38	17.42	7.49E-11	3.17E-11	2.00E-01	3.23E-01	2.32E-06	2.06E-06	9.97E-01
281.10822	63.33	18.09	17.53	18.23	18.88	5.80E-08	3.13E-02	8.97E-01	9.03E-04	4.59E-03	6.91E-09	1.14E-02
281.12973	174.88	9.64	13.19	12.55	14.02	3.96E-12	1.86E-08	3.99E-06	1.36E-11	6.99E-01	5.14E-01	7.11E-02
281.13986	152.72	15.17	13.92	14.20	14.19	3.96E-05	4.21E-05	2.27E-03	2.97E-03	7.38E-01	7.83E-01	1.00E+00
281.21266	191.14	16.22	14.42	14.92	16.31	5.04E-08	3.60E-06	1.40E-03	9.94E-01	4.89E-01	4.02E-06	1.16E-03
281.24012	246.25	25.45	24.87	25.17	25.43	2.04E-11	1.80E-10	3.71E-03	9.93E-01	3.01E-03	6.58E-09	1.60E-02
281.24915	264.68	31.36	31.42	31.34	31.51	7.82E-02	7.63E-01	9.97E-01	1.19E-01	6.58E-01	6.01E-01	8.48E-02
281.40381	264.5	17.59	16.41	16.83	17.10	5.21E-07	1.43E-07	1.14E-03	9.55E-02	1.89E-01	7.77E-03	5.64E-01
281.42159	270.32	16.99	15.72	16.40	16.75	1.47E-06	7.32E-07	5.49E-02	7.43E-01	2.24E-02	2.26E-04	4.85E-01
281.42859	264.79	16.79	14.36	15.16	16.22	9.49E-12	2.22E-11	8.20E-06	3.41E-01	8.19E-02	1.33E-06	1.31E-02
281.44251	264.69	16.81	14.84	15.35	16.11	1.93E-06	1.69E-06	5.91E-04	2.63E-01	5.31E-01	7.39E-03	2.09E-01

281.52589	270.03	17.09	15.99	16.33	16.80	1.32E-05	1.25E-05	4.58E-03	5.90E-01	4.49E-01	4.51E-03	2.01E-01
281.53801	264.51	18.72	17.70	17.81	18.41	9.18E-12	4.55E-10	2.12E-08	1.87E-01	8.84E-01	5.65E-05	8.68E-04
281.91235	53.41	19.29	19.96	20.52	20.34	1.45E-44	4.42E-14	5.11E-15	5.11E-15	3.20E-12	5.33E-06	8.22E-02
282.02866	26.65	18.12	16.26	16.72	17.20	1.43E-22	2.35E-14	6.57E-14	1.18E-06	3.57E-02	1.28E-06	3.24E-02
282.03819	28.19	18.63	18.51	18.64	18.60	5.68E-01	6.17E-01	1.00E+00	9.92E-01	5.73E-01	8.19E-01	9.82E-01
282.05093	22.74	18.16	19.74	19.57	19.17	1.56E-21	4.14E-14	4.45E-14	5.72E-09	6.94E-01	2.91E-03	6.51E-02
282.05566	25.11	16.18	16.37	16.55	16.44	3.98E-01	8.16E-01	3.34E-01	6.46E-01	8.66E-01	9.90E-01	9.70E-01
282.07024	48.73	16.21	18.82	18.46	17.18	4.14E-35	5.11E-15	6.22E-15	5.44E-06	2.46E-01	9.06E-14	1.79E-09
282.08521	20.17	21.50	21.72	22.19	21.75	1.22E-02	7.15E-01	5.63E-03	6.63E-01	1.28E-01	1.00E+00	1.80E-01
282.11126	290.56	18.00	16.62	16.73	16.89	3.90E-30	5.77E-15	1.51E-14	4.25E-14	7.32E-01	8.66E-02	5.12E-01
282.11183	80.82	15.40	13.82	14.42	15.28	5.60E-14	2.14E-12	1.55E-05	9.48E-01	2.10E-02	5.44E-10	4.33E-04
282.15627	76.41	13.75	12.46	15.65	15.49	5.46E-29	8.83E-06	2.21E-11	3.19E-09	7.55E-15	2.71E-14	9.35E-01
282.21581	45.2	16.11	13.70	14.00	15.42	1.95E-12	1.16E-10	1.13E-08	2.01E-01	8.31E-01	1.82E-05	4.96E-04
282.24244	245.45	20.80	20.08	20.35	20.62	5.06E-16	4.40E-14	3.29E-07	1.35E-01	5.38E-03	5.34E-09	8.48E-03
282.25173	264.48	29.35	28.94	29.00	29.30	1.24E-05	1.36E-04	1.57E-03	9.59E-01	9.15E-01	2.11E-03	1.54E-02
282.85433	45.07	10.84	10.26	13.53	10.10	5.48E-06	8.40E-01	8.16E-04	7.32E-01	4.73E-05	9.97E-01	3.01E-05
282.85951	86.57	16.73	15.46	16.18	16.17	5.11E-21	2.13E-14	1.23E-05	1.67E-05	1.09E-08	5.56E-08	1.00E+00
282.86732	68.36	19.34	19.96	20.27	19.96	1.03E-16	9.51E-09	4.20E-14	3.28E-08	1.48E-02	1.00E+00	1.50E-02
282.88654	80.23	16.05	15.08	16.03	15.94	1.03E-19	4.40E-14	9.97E-01	7.52E-01	4.33E-14	6.78E-13	8.63E-01
282.90713	46.23	20.96	21.76	22.29	22.10	1.80E-44	4.12E-14	5.11E-15	5.11E-15	1.17E-09	2.57E-04	9.88E-02
282.91149	139.19	13.91	13.67	13.88	14.08	6.58E-01	8.63E-01	1.00E+00	9.48E-01	9.12E-01	5.83E-01	9.20E-01
282.91289	51.68	17.05	17.65	18.28	18.06	3.26E-43	1.04E-13	5.11E-15	5.11E-15	6.13E-14	1.30E-06	2.08E-02
282.92201	132.53	15.75	15.34	15.04	16.12	3.35E-07	1.21E-01	7.41E-04	2.01E-01	3.76E-01	4.53E-04	3.29E-07
282.95811	20.87	17.41	19.35	19.25	18.79	4.89E-13	1.78E-11	1.20E-10	4.17E-06	9.81E-01	1.77E-01	3.33E-01
282.9732	296.97	14.56	13.26	14.35	14.45	2.54E-05	4.22E-05	8.72E-01	9.83E-01	1.20E-03	4.97E-04	9.84E-01
283.04524	20.36	14.43	16.94	15.96	15.91	5.98E-24	7.33E-15	1.67E-11	3.45E-10	4.41E-05	2.85E-05	9.94E-01
283.05403	22.63	22.26	23.75	23.60	23.20	2.48E-19	4.33E-14	4.95E-14	9.41E-08	7.62E-01	4.62E-03	6.89E-02
283.06929	28.42	17.79	15.82	13.94	16.17	9.63E-10	2.14E-03	8.09E-11	2.11E-02	4.49E-03	9.33E-01	6.97E-04
283.08273	145.04	17.07	15.67	14.69	15.17	6.08E-20	4.85E-08	4.15E-14	6.99E-13	3.31E-04	1.81E-01	2.07E-01
283.08864	20.63	17.94	17.82	18.45	18.06	2.45E-02	9.39E-01	7.23E-02	9.50E-01	1.91E-02	7.10E-01	2.82E-01
283.09562	216.24	15.32	7.96	8.05	8.81	1.60E-57	5.11E-15	5.11E-15	5.11E-15	9.96E-01	1.53E-01	2.28E-01
283.10433	25.33	16.08	17.08	15.00	14.86	2.82E-07	6.37E-02	3.72E-02	1.94E-02	5.13E-06	2.53E-06	9.89E-01
283.11065	187.96	14.62	16.00	17.62	16.28	1.77E-29	8.40E-09	5.11E-15	1.49E-11	2.56E-11	6.11E-01	7.44E-08
283.11919	153.05	15.27	13.32	14.54	14.26	9.48E-07	1.55E-07	1.33E-01	2.03E-02	2.67E-03	4.40E-02	8.54E-01
283.13187	212.69	15.40	9.45	9.31	9.75	8.12E-70	5.11E-15	5.11E-15	5.11E-15	9.56E-01	7.22E-01	4.06E-01
283.13753	38.55	15.77	17.09	15.97	17.31	2.21E-06	4.81E-04	9.32E-01	5.20E-05	5.26E-03	9.24E-01	7.41E-04
283.15541	158.85	16.00	15.21	15.43	15.40	6.76E-03	4.85E-03	7.34E-02	6.67E-02	7.84E-01	8.59E-01	9.99E-01
283.19191	264.64	17.89	17.38	17.32	17.40	4.93E-08	5.53E-06	3.42E-07	3.33E-05	9.57E-01	9.94E-01	8.73E-01
283.22837	292.59	17.82	17.47	17.37	17.52	8.56E-06	8.57E-04	5.05E-06	7.35E-03	6.66E-01	9.59E-01	3.72E-01
283.2438	226.78	23.95	22.90	23.62	23.91	1.84E-26	9.99E-15	1.10E-03	9.58E-01	9.28E-13	3.53E-14	1.18E-02
283.25563	268.99	25.84	25.16	25.31	25.66	3.07E-10	1.95E-09	3.06E-06	3.33E-01	4.81E-01	4.13E-05	7.34E-03
283.26459	285.47	27.23	27.32	27.81	27.52	2.78E-03	9.39E-01	2.09E-03	3.09E-01	1.87E-02	6.66E-01	3.14E-01
283.55667	297.07	14.16	13.29	14.28	14.29	3.52E-03	2.11E-02	9.80E-01	9.76E-01	7.94E-03	9.80E-03	1.00E+00
283.91049	53.56	15.84	16.27	16.92	16.76	4.96E-33	8.93E-07	5.11E-15	1.98E-14	4.62E-13	1.14E-07	2.22E-01
284.03099	25.3	14.89	14.52	14.31	15.15	2.31E-02	5.49E-01	1.51E-01	8.14E-01	8.73E-01	1.52E-01	2.32E-02

284.08914	25.32	14.06	14.34	14.52	13.61	5.33E-01	9.70E-01	8.76E-01	8.91E-01	9.92E-01	6.77E-01	4.93E-01
284.09949	28.3	15.51	15.42	15.22	15.33	7.84E-01	9.91E-01	7.46E-01	9.39E-01	9.02E-01	9.92E-01	9.80E-01
284.11445	189.78	14.80	13.43	14.33	12.95	3.20E-07	3.03E-04	4.76E-01	8.45E-07	4.29E-02	5.14E-01	5.53E-04
284.12655	290.02	16.91	16.51	16.15	16.30	7.55E-03	3.05E-01	5.30E-03	4.90E-02	4.14E-01	8.17E-01	9.25E-01
284.19507	187.17	17.14	16.16	16.29	16.40	1.07E-11	7.97E-11	1.27E-08	2.09E-06	7.87E-01	3.48E-01	8.71E-01
284.22382	75.15	15.15	11.11	12.38	13.44	4.80E-23	1.49E-14	7.32E-13	2.55E-05	2.63E-03	1.01E-08	2.26E-02
284.23204	167.12	16.39	15.23	15.16	15.85	2.42E-17	2.44E-13	4.70E-14	1.73E-03	9.56E-01	2.99E-04	3.18E-05
284.24701	231.58	21.60	20.52	21.30	21.57	2.57E-26	1.15E-14	5.74E-03	9.89E-01	1.62E-13	3.46E-14	2.57E-02
284.2576	265.76	21.15	20.28	20.47	20.84	1.04E-12	4.08E-12	3.24E-08	3.61E-02	3.88E-01	4.18E-05	1.19E-02
284.26752	282.27	24.98	24.91	25.57	25.22	9.63E-04	9.83E-01	3.53E-03	5.16E-01	1.39E-03	3.31E-01	2.17E-01
284.86542	82.07	16.70	17.27	17.75	17.34	1.97E-22	1.80E-08	1.29E-14	4.23E-10	2.82E-06	8.51E-01	1.83E-04
284.86998	32.1	14.71	13.94	14.73	13.89	1.28E-03	2.61E-02	1.00E+00	1.83E-02	2.49E-02	9.98E-01	1.74E-02
284.88506	61.88	16.46	16.15	17.09	17.16	3.88E-25	5.09E-03	3.41E-10	1.93E-11	4.53E-14	4.13E-14	8.93E-01
284.90346	51.73	15.82	14.95	15.89	15.80	6.87E-10	6.47E-08	9.75E-01	9.99E-01	1.40E-08	6.70E-07	9.48E-01
284.9065	40.66	16.40	16.40	17.19	17.00	2.23E-16	1.00E+00	1.62E-12	1.99E-07	5.74E-12	4.02E-07	2.96E-01
284.91722	118.78	15.75	15.50	15.45	16.52	3.07E-03	8.39E-01	7.41E-01	5.79E-02	9.98E-01	7.23E-03	3.79E-03
284.95855	167.64	14.10	13.78	12.20	13.88	4.15E-04	9.12E-01	4.97E-04	9.70E-01	7.56E-03	9.97E-01	5.18E-03
284.96969	17.77	13.08	13.88	13.78	14.64	1.46E-03	1.52E-01	2.42E-01	4.09E-04	9.95E-01	2.15E-01	1.27E-01
285.05849	22.55	15.94	17.16	17.01	16.75	1.38E-12	9.69E-12	1.40E-09	1.62E-05	8.09E-01	7.62E-02	3.98E-01
285.06557	182.36	19.21	18.67	18.86	18.86	1.12E-04	4.23E-05	1.45E-02	1.81E-02	4.01E-01	4.48E-01	1.00E+00
285.07381	17.25	14.81	15.90	16.36	16.95	2.95E-10	1.63E-03	1.99E-06	1.72E-10	4.39E-01	5.63E-03	2.34E-01
285.09844	150.21	15.13	14.20	14.08	14.26	1.02E-09	3.91E-07	8.12E-09	5.50E-06	9.11E-01	9.80E-01	7.26E-01
285.1136	23.07	20.04	19.86	20.25	20.21	2.26E-03	3.36E-01	2.07E-01	4.25E-01	2.66E-03	1.25E-02	9.84E-01
285.12701	27.62	13.76	14.26	14.67	13.44	3.33E-03	4.50E-01	3.40E-02	7.95E-01	6.27E-01	1.01E-01	3.24E-03
285.13477	186.19	16.38	16.06	16.40	15.86	9.39E-06	3.06E-02	9.99E-01	1.05E-04	2.33E-02	3.59E-01	7.98E-05
285.17113	183.42	16.51	16.02	16.19	16.01	6.85E-04	1.90E-03	7.54E-02	1.81E-03	6.18E-01	1.00E+00	5.70E-01
285.20729	293.81	17.47	17.43	17.30	17.61	4.00E-02	9.85E-01	3.26E-01	5.38E-01	5.60E-01	3.60E-01	1.98E-02
285.2225	238.73	18.84	18.03	18.46	18.53	1.69E-08	1.79E-09	9.67E-03	6.74E-02	4.38E-03	8.67E-04	9.41E-01
285.24394	179.24	18.03	17.04	17.20	17.57	2.31E-09	5.54E-09	9.45E-07	1.99E-02	7.42E-01	7.88E-03	1.10E-01
285.25031	231.96	17.97	16.60	17.53	17.86	2.30E-27	6.22E-15	5.90E-04	7.68E-01	2.03E-13	3.53E-14	2.84E-02
285.25874	245.32	19.06	17.99	18.42	18.31	1.08E-13	7.26E-14	5.63E-06	2.16E-07	4.94E-03	7.30E-02	8.43E-01
285.27076	290.12	21.34	21.35	22.02	21.58	1.46E-03	1.00E+00	2.20E-03	6.25E-01	3.85E-03	6.80E-01	1.18E-01
286.02399	38.6	14.66	16.09	16.40	15.45	1.14E-20	8.14E-14	4.15E-14	5.75E-05	2.93E-01	2.70E-03	1.72E-06
286.05126	17.26	13.99	15.74	15.18	14.95	3.92E-08	9.89E-09	1.35E-04	4.88E-03	2.03E-01	3.85E-02	8.59E-01
286.06137	16.78	17.49	18.65	18.06	18.13	3.58E-13	6.42E-14	2.45E-04	5.74E-05	1.83E-04	1.96E-03	9.63E-01
286.06475	174.24	15.35	12.87	13.88	14.04	2.41E-19	3.66E-14	8.50E-09	8.54E-07	1.96E-04	2.23E-05	9.14E-01
286.08197	23.7	13.74	15.14	15.59	14.88	1.19E-15	8.86E-10	4.27E-14	1.39E-06	1.51E-01	6.38E-01	7.08E-03
286.09384	197.34	16.92	15.68	15.38	15.88	1.62E-22	4.66E-14	2.82E-14	7.46E-11	1.54E-01	5.54E-01	4.70E-03
286.09401	66.3	15.49	13.36	14.86	15.52	6.88E-40	5.11E-15	4.71E-05	9.97E-01	3.66E-14	5.11E-15	5.46E-05
286.11692	23.14	16.19	15.52	16.32	16.30	5.72E-06	4.03E-04	8.65E-01	9.16E-01	2.40E-05	7.26E-05	1.00E+00
286.21096	147.79	15.48	14.97	14.90	14.98	5.65E-05	1.25E-03	1.22E-04	2.35E-03	9.49E-01	1.00E+00	9.30E-01
286.21564	258.49	19.42	17.83	17.93	17.48	1.98E-38	5.33E-15	7.33E-15	5.11E-15	8.71E-01	3.82E-02	3.64E-03
286.26214	246.18	16.29	14.75	15.08	14.86	7.09E-06	2.26E-05	1.26E-03	1.60E-04	7.49E-01	9.88E-01	9.16E-01
286.27414	297.11	15.38	16.48	17.26	16.80	2.02E-07	4.38E-03	8.49E-08	1.56E-04	8.28E-02	7.79E-01	5.19E-01
286.85422	53.75	18.25	16.15	17.87	17.98	1.47E-39	5.11E-15	2.36E-02	1.95E-01	5.33E-15	5.11E-15	8.72E-01

286.86473	37.64	18.40	18.14	20.07	18.90	1.30E-21	4.92E-01	4.15E-14	3.90E-02	3.99E-14	6.07E-04	1.65E-08
286.87496	47.45	20.89	19.70	19.75	19.62	2.60E-17	4.68E-13	2.22E-12	1.22E-13	9.88E-01	9.67E-01	8.60E-01
286.89102	162.27	15.56	11.24	10.45	13.89	7.84E-16	1.29E-10	7.34E-14	4.13E-02	5.87E-01	3.31E-04	1.18E-06
286.91688	150.86	16.93	16.42	15.93	16.35	6.27E-07	1.64E-02	8.76E-08	6.19E-03	2.94E-02	9.82E-01	9.26E-02
286.93616	28.59	20.69	23.24	22.95	22.95	4.12E-37	5.11E-15	5.33E-15	6.00E-15	3.87E-01	4.30E-01	1.00E+00
286.97235	20.8	16.35	16.61	16.61	16.47	2.48E-01	3.07E-01	2.99E-01	8.58E-01	1.00E+00	8.16E-01	8.13E-01
286.97895	26.04	21.67	19.33	19.69	19.82	3.90E-13	4.19E-12	2.70E-09	8.91E-08	6.65E-01	4.31E-01	9.76E-01
287.00932	25.67	19.60	21.29	21.54	20.73	4.40E-55	5.11E-15	5.11E-15	1.60E-14	5.36E-02	3.65E-07	2.05E-13
287.04474	34.96	16.24	12.69	12.77	14.39	5.11E-25	3.46E-14	3.71E-14	6.71E-07	9.94E-01	1.11E-05	2.84E-05
287.05323	16.75	18.67	19.63	19.45	19.11	1.12E-04	1.07E-04	2.28E-03	2.09E-01	8.51E-01	1.13E-01	4.49E-01
287.06257	172.23	14.91	11.76	12.35	13.25	2.44E-31	5.11E-15	2.46E-14	2.38E-10	6.61E-02	3.12E-08	1.46E-03
287.08941	23.44	16.33	14.22	13.31	14.62	9.25E-08	1.99E-04	2.47E-08	5.35E-03	2.76E-01	8.73E-01	5.94E-02
287.09962	69.89	13.56	16.81	11.38	12.50	4.77E-75	5.11E-15	1.07E-14	6.13E-07	5.11E-15	5.11E-15	2.30E-07
287.10922	25.06	15.79	15.01	15.66	15.68	6.37E-04	6.41E-04	9.15E-01	9.46E-01	7.89E-03	8.71E-03	1.00E+00
287.11421	152.1	15.46	15.70	15.97	15.50	6.73E-05	1.76E-01	7.95E-05	9.84E-01	9.61E-02	3.91E-01	8.48E-04
287.12696	210.18	16.01	9.36	9.83	10.61	3.14E-36	5.11E-15	5.11E-15	2.51E-14	7.56E-01	6.31E-02	4.08E-01
287.15056	164.78	16.23	15.96	16.35	15.76	2.85E-05	1.37E-01	7.56E-01	1.44E-03	1.24E-02	4.00E-01	4.50E-05
287.1881	114.49	14.88	13.86	12.99	13.56	2.47E-08	4.24E-03	5.99E-09	1.49E-04	2.41E-02	7.78E-01	2.63E-01
287.20201	174.78	17.28	14.01	15.53	15.18	2.22E-55	5.11E-15	7.99E-15	5.11E-15	4.20E-14	1.01E-11	1.07E-01
287.22344	216.54	16.72	17.11	16.58	16.63	2.47E-02	1.40E-01	8.67E-01	9.70E-01	2.39E-02	6.65E-02	9.91E-01
287.94005	23.39	16.22	18.46	18.47	17.86	1.31E-28	1.18E-14	9.55E-15	1.05E-13	1.00E+00	1.76E-02	1.39E-02
287.98245	25.74	16.64	13.86	13.79	14.39	1.63E-11	2.19E-09	5.76E-10	3.09E-06	9.98E-01	6.32E-01	5.21E-01
287.98757	28.19	15.59	17.07	16.58	16.76	9.65E-16	4.40E-14	4.79E-08	5.69E-10	2.47E-02	2.90E-01	7.54E-01
288.0129	22.19	13.22	15.44	15.90	15.03	5.21E-27	4.33E-14	6.22E-15	5.31E-13	1.74E-01	2.99E-01	1.21E-03
288.01985	27.51	14.58	15.13	14.94	15.13	9.07E-02	1.19E-01	4.52E-01	1.27E-01	8.77E-01	1.00E+00	8.74E-01
288.05673	19.75	15.19	15.71	15.13	14.84	1.86E-01	5.16E-01	9.99E-01	8.10E-01	4.46E-01	1.35E-01	8.82E-01
288.08469	20.69	17.91	18.45	18.22	18.33	6.06E-04	3.61E-04	9.92E-02	1.19E-02	2.96E-01	8.25E-01	8.31E-01
288.10926	259.56	18.87	17.14	17.00	17.47	3.54E-38	5.11E-15	5.11E-15	3.33E-14	7.02E-01	7.29E-02	3.01E-03
288.12117	18.74	18.39	19.40	19.09	19.75	3.53E-10	1.67E-06	1.64E-03	2.58E-10	3.71E-01	3.12E-01	5.76E-03
288.20555	183.1	14.58	11.07	12.14	11.98	2.10E-32	5.11E-15	4.24E-14	4.16E-14	2.09E-04	3.30E-03	9.32E-01
288.77852	289.87	17.27	18.50	18.13	19.00	1.87E-33	3.60E-14	7.20E-12	5.11E-15	1.10E-02	3.57E-04	7.07E-11
288.77957	21.7	10.11	8.53	7.23	11.62	2.11E-08	9.47E-02	1.67E-04	1.38E-01	2.45E-01	1.45E-04	1.97E-08
288.8517	55.76	16.98	15.12	16.17	16.34	1.34E-24	6.00E-15	1.03E-06	3.34E-04	5.27E-10	3.25E-12	6.97E-01
288.86357	74.35	15.39	14.77	15.48	14.83	3.03E-04	9.34E-03	9.68E-01	3.24E-02	2.61E-03	9.88E-01	1.05E-02
288.88813	29.52	14.44	15.40	15.71	15.46	4.41E-13	1.07E-07	1.25E-12	2.87E-08	2.43E-01	9.80E-01	4.78E-01
288.91165	79.69	14.71	14.16	14.49	14.46	8.18E-02	4.44E-02	6.98E-01	6.57E-01	4.23E-01	5.16E-01	1.00E+00
288.92396	27.88	14.45	13.48	13.78	14.26	1.93E-02	2.05E-02	1.74E-01	9.44E-01	8.22E-01	1.22E-01	5.07E-01
288.95359	39.2	20.98	22.83	22.56	22.56	9.45E-26	1.98E-14	4.40E-14	4.23E-14	3.85E-01	3.90E-01	1.00E+00
288.97536	25.81	17.69	14.37	14.92	15.22	2.78E-13	1.75E-12	2.20E-09	2.85E-07	5.98E-01	2.44E-01	9.09E-01
288.98819	17.95	15.31	18.59	18.85	18.32	5.04E-31	1.35E-14	5.33E-15	3.92E-14	7.95E-01	7.98E-01	2.68E-01
288.9977	18.79	15.22	19.28	19.23	18.94	2.07E-37	5.11E-15	5.11E-15	6.00E-15	9.99E-01	7.07E-01	7.84E-01
289.00807	21.71	14.73	16.89	17.52	16.58	3.39E-35	1.60E-14	5.11E-15	4.37E-14	5.89E-03	4.09E-01	1.76E-05
289.034	17.18	22.05	23.26	23.57	23.30	6.80E-18	2.43E-11	4.35E-14	1.84E-11	2.71E-01	9.96E-01	4.17E-01
289.06863	25.31	20.63	20.24	20.47	20.58	4.72E-02	3.95E-02	6.99E-01	9.91E-01	3.98E-01	1.12E-01	8.80E-01
289.08751	184	17.97	17.58	17.61	17.69	4.12E-14	1.08E-12	3.99E-11	1.12E-06	9.14E-01	1.23E-01	3.84E-01

289.10532	16.94	13.76	9.12	9.29	10.30	8.51E-13	4.67E-11	1.43E-10	2.02E-06	9.94E-01	3.07E-01	4.34E-01
289.10631	207.31	14.37	7.76	8.01	8.41	6.06E-32	5.77E-15	7.33E-15	2.91E-14	9.68E-01	6.63E-01	8.95E-01
289.11318	186.16	15.12	10.20	9.60	10.91	2.22E-43	5.11E-15	5.11E-15	6.22E-15	3.05E-01	1.93E-01	1.48E-03
289.12441	25.14	18.74	19.38	18.35	18.31	3.34E-06	1.36E-02	2.50E-01	2.02E-01	1.79E-05	1.67E-05	9.98E-01
289.12993	153.03	15.43	14.89	15.51	14.97	5.56E-05	2.88E-03	9.55E-01	2.00E-02	5.92E-04	9.59E-01	5.14E-03
289.21762	215.78	19.52	18.48	19.18	19.12	5.82E-15	4.30E-14	1.64E-02	5.05E-03	6.13E-08	1.71E-06	9.66E-01
289.87868	91.64	16.42	15.60	15.91	15.68	1.29E-17	4.27E-14	1.61E-07	3.51E-13	5.78E-03	8.56E-01	7.37E-02
289.94667	30.96	15.61	16.13	16.06	15.46	6.47E-05	7.28E-03	2.58E-02	7.93E-01	9.73E-01	5.45E-04	2.31E-03
289.95707	39.35	16.37	17.76	17.48	17.50	9.99E-16	5.57E-14	2.80E-10	7.49E-10	3.46E-01	4.14E-01	1.00E+00
289.98798	32.07	15.52	15.77	16.53	14.69	6.40E-13	6.36E-01	1.50E-05	9.70E-04	2.85E-03	1.41E-05	9.86E-14
290.02042	17.46	15.44	13.23	14.54	14.41	2.83E-07	3.35E-08	6.34E-02	3.17E-02	2.89E-03	1.28E-02	9.86E-01
290.03759	21.24	18.13	19.26	19.58	19.44	1.31E-16	9.38E-10	4.86E-14	5.37E-12	2.49E-01	7.39E-01	8.60E-01
290.07207	27.68	17.03	16.20	16.34	16.64	7.53E-05	8.42E-05	1.36E-03	1.79E-01	8.88E-01	1.18E-01	4.13E-01
290.08978	176.02	17.02	16.29	16.31	16.53	8.53E-08	7.33E-07	1.13E-06	2.09E-03	9.99E-01	3.44E-01	4.10E-01
290.10044	18.59	15.01	15.33	15.36	15.78	2.13E-03	3.54E-01	2.48E-01	6.18E-04	9.97E-01	1.07E-01	1.54E-01
290.11962	27.59	18.58	18.11	18.49	18.09	5.80E-04	6.13E-03	9.34E-01	4.96E-03	4.17E-02	9.99E-01	3.35E-02
290.12626	206.57	15.41	10.26	10.99	12.18	8.54E-14	5.18E-13	3.03E-10	1.23E-05	6.83E-01	2.64E-02	2.93E-01
290.17288	76.97	7.53	8.63	13.80	12.70	2.33E-31	1.37E-01	5.77E-15	4.22E-14	4.53E-14	5.25E-12	1.63E-01
290.21317	186.17	16.04	15.80	15.53	15.56	1.30E-01	7.57E-01	1.46E-01	2.14E-01	6.87E-01	7.76E-01	9.99E-01
290.22098	212.89	16.87	15.44	16.23	16.24	5.32E-20	3.02E-14	1.05E-05	3.55E-05	7.50E-08	1.22E-07	1.00E+00
290.23847	239.81	16.64	14.76	15.94	16.19	5.65E-07	1.71E-07	1.34E-01	5.43E-01	2.83E-03	2.65E-04	8.76E-01
290.77594	291.59	14.23	16.34	15.90	16.56	2.95E-26	3.66E-14	6.57E-14	1.80E-14	1.52E-01	7.25E-01	1.11E-02
290.89102	50.25	21.65	20.99	21.65	20.61	2.89E-02	3.39E-01	1.00E+00	5.39E-02	3.60E-01	8.04E-01	6.19E-02
290.92333	29.32	11.45	9.16	9.54	10.51	3.60E-02	3.59E-02	1.06E-01	6.99E-01	9.70E-01	4.29E-01	6.93E-01
290.92486	155.31	15.38	11.43	10.14	13.77	6.57E-25	5.15E-14	1.47E-14	4.28E-03	3.31E-02	1.45E-05	6.63E-12
290.93028	66.81	15.86	15.54	14.90	15.45	1.60E-05	3.41E-01	3.58E-06	1.55E-01	5.17E-03	9.67E-01	2.79E-02
290.94928	42.73	16.77	18.40	18.50	18.63	3.67E-44	5.11E-15	5.11E-15	5.11E-15	8.49E-01	2.40E-01	6.88E-01
290.95782	39.27	14.03	16.10	15.43	15.88	5.14E-14	5.65E-13	8.08E-07	2.52E-10	5.98E-02	8.56E-01	3.51E-01
291.00786	44.98	16.81	14.98	15.30	15.78	2.13E-06	2.17E-06	1.14E-04	2.13E-02	8.04E-01	1.40E-01	5.70E-01
291.03836	18.68	15.64	16.56	17.02	16.54	2.94E-09	7.50E-05	7.59E-10	1.71E-04	1.32E-01	1.00E+00	1.24E-01
291.07821	17.05	14.99	16.09	15.72	15.42	1.11E-04	4.66E-05	1.29E-02	3.12E-01	4.35E-01	4.17E-02	6.21E-01
291.09681	50.64	13.41	16.19	11.34	12.11	1.83E-103	5.11E-15	5.11E-15	3.69E-14	5.11E-15	5.11E-15	2.15E-08
291.11174	293.9	18.29	16.82	16.95	16.60	5.66E-28	3.80E-14	4.10E-14	9.55E-15	8.00E-01	4.36E-01	7.91E-02
291.12363	169.21	15.11	14.08	14.19	13.96	2.61E-07	1.25E-05	1.10E-04	1.92E-06	9.52E-01	9.57E-01	7.33E-01
291.14547	142.42	15.36	14.37	14.31	14.50	4.78E-13	3.93E-10	2.02E-11	1.28E-07	9.74E-01	8.27E-01	5.77E-01
291.16052	288.85	20.11	18.17	18.43	18.40	5.83E-37	5.11E-15	5.77E-15	6.00E-15	2.12E-01	3.50E-01	9.96E-01
291.19747	180.78	16.06	14.76	14.45	15.55	2.77E-13	1.93E-08	2.62E-12	8.96E-02	4.77E-01	2.53E-03	7.14E-06
291.23381	238.08	19.97	19.27	19.44	19.63	2.49E-10	1.56E-10	1.63E-06	6.73E-03	3.08E-01	3.39E-03	2.69E-01
291.48986	233.11	15.32	13.60	14.82	15.49	1.17E-08	2.45E-07	3.47E-01	9.46E-01	5.82E-04	7.00E-08	1.51E-01
291.89438	82.25	16.59	14.83	15.82	15.63	6.31E-13	8.44E-14	1.47E-03	8.13E-05	4.20E-05	2.12E-03	8.33E-01
291.96134	51.86	16.29	17.74	17.97	17.02	3.06E-21	4.70E-14	4.31E-14	1.61E-04	5.54E-01	2.68E-04	7.07E-07
292.00335	34.9	16.12	15.19	15.95	15.38	5.35E-05	1.94E-04	8.75E-01	6.22E-03	4.12E-03	8.50E-01	5.95E-02
292.03684	22.06	20.59	20.81	21.26	21.07	3.99E-07	2.64E-01	3.18E-07	6.75E-04	1.64E-03	1.61E-01	4.45E-01
292.05947	27.13	19.61	19.43	19.50	19.40	7.20E-02	1.44E-01	5.69E-01	7.45E-02	8.34E-01	9.87E-01	6.53E-01
292.0733	20.75	21.95	22.70	22.63	22.49	2.94E-11	2.70E-10	9.07E-09	1.72E-05	9.09E-01	2.30E-01	5.86E-01

292.0813	19.09	19.21	20.32	19.82	19.46	1.09E-06	5.97E-07	1.34E-02	6.40E-01	7.39E-02	3.72E-04	3.08E-01
292.10463	127.7	16.23	14.35	14.73	14.97	3.68E-21	3.64E-14	7.01E-14	3.88E-10	1.48E-01	6.09E-03	5.90E-01
292.13197	290.19	17.50	12.06	13.70	14.53	4.58E-23	1.42E-14	2.27E-13	2.33E-08	4.33E-03	8.17E-06	3.34E-01
292.16405	160.54	16.67	12.20	13.25	13.55	2.45E-32	5.11E-15	3.38E-14	4.36E-14	7.85E-03	4.89E-04	8.09E-01
292.82836	78.84	16.16	17.59	17.66	17.21	9.88E-23	4.29E-14	4.10E-14	1.68E-10	9.59E-01	6.79E-02	1.69E-02
292.88309	132.5	16.04	15.95	16.12	16.59	6.23E-02	9.78E-01	9.90E-01	1.18E-01	9.01E-01	5.52E-02	2.32E-01
292.89443	59.75	14.73	14.14	14.58	14.06	6.25E-02	1.64E-01	9.53E-01	1.07E-01	4.23E-01	9.95E-01	3.07E-01
292.89954	149.15	15.83	14.68	14.51	15.95	8.97E-15	1.42E-07	7.27E-10	9.39E-01	8.12E-01	3.62E-08	2.18E-10
292.91499	17.94	14.43	16.68	16.27	16.36	2.30E-23	3.42E-14	4.35E-14	4.42E-14	2.29E-01	4.58E-01	9.82E-01
292.92447	20.94	17.83	21.07	21.00	20.66	3.12E-27	2.29E-14	2.66E-14	4.11E-14	9.95E-01	5.34E-01	6.79E-01
292.94557	69.89	15.78	15.07	15.71	16.01	1.15E-09	1.55E-06	9.47E-01	3.12E-01	2.98E-05	9.18E-10	1.23E-01
292.96645	48.76	19.24	18.05	18.50	18.51	2.83E-04	9.18E-05	2.96E-02	4.26E-02	3.66E-01	3.75E-01	1.00E+00
292.98752	33.91	19.45	20.31	20.48	20.27	1.13E-22	4.37E-14	3.55E-14	1.35E-13	3.26E-01	9.83E-01	1.80E-01
293.01772	20.06	15.31	17.17	15.75	16.24	8.40E-06	3.57E-06	6.16E-01	6.35E-02	8.66E-04	7.13E-02	5.68E-01
293.03417	19.05	15.53	12.77	12.99	14.47	1.24E-09	2.11E-08	2.21E-07	1.03E-01	9.61E-01	2.17E-03	9.77E-03
293.04299	25.11	19.06	19.46	19.25	19.24	1.13E-02	4.16E-03	3.45E-01	4.35E-01	3.09E-01	2.89E-01	1.00E+00
293.05051	34.18	16.49	16.87	16.77	16.24	7.24E-02	4.09E-01	6.50E-01	7.66E-01	9.80E-01	7.74E-02	1.72E-01
293.06356	30.62	15.43	15.52	15.83	15.45	6.82E-02	9.45E-01	7.02E-02	9.99E-01	2.58E-01	9.80E-01	1.30E-01
293.07686	21.17	18.08	18.72	18.71	18.50	2.48E-08	3.10E-07	3.26E-07	2.45E-03	1.00E+00	2.43E-01	2.63E-01
293.11425	34.91	16.15	25.47	17.76	16.13	2.37E-105	5.11E-15	2.13E-09	1.00E+00	5.11E-15	5.11E-15	8.88E-09
293.12738	293.58	18.42	16.74	16.89	16.88	2.46E-31	5.77E-15	1.62E-14	2.40E-14	7.28E-01	7.94E-01	1.00E+00
293.14005	157.9	15.19	13.22	14.37	14.60	1.28E-17	4.13E-14	2.26E-04	2.05E-02	2.86E-07	2.01E-09	6.77E-01
293.14027	20.54	13.24	8.27	10.30	10.85	4.60E-21	2.33E-14	1.26E-09	2.47E-06	7.82E-05	6.55E-07	6.33E-01
293.17734	273.02	20.19	20.38	20.22	19.86	3.40E-02	6.58E-01	9.98E-01	2.27E-01	7.80E-01	1.83E-02	1.72E-01
293.2128	197.91	19.42	18.19	18.15	18.22	3.74E-19	6.08E-14	4.30E-14	2.38E-13	9.93E-01	9.98E-01	9.73E-01
293.24934	260.47	21.38	20.88	21.05	21.31	7.42E-07	2.10E-06	3.57E-03	9.07E-01	2.83E-01	1.36E-04	4.63E-02
293.96129	36.19	16.94	16.61	17.14	16.29	5.98E-03	5.27E-01	8.34E-01	4.72E-02	1.41E-01	5.95E-01	5.07E-03
293.97478	30.18	13.96	14.72	13.92	13.57	5.30E-05	6.04E-03	9.99E-01	3.55E-01	4.81E-03	2.32E-05	4.50E-01
294.00659	21	18.05	19.30	19.45	19.64	1.84E-19	6.22E-12	5.77E-14	4.33E-14	8.17E-01	2.20E-01	6.97E-01
294.02995	19.43	20.91	20.90	20.75	21.16	8.20E-02	1.00E+00	6.96E-01	3.71E-01	7.57E-01	3.57E-01	4.62E-02
294.07024	17.61	20.20	20.88	20.84	20.70	2.37E-10	3.09E-09	2.38E-08	3.41E-05	9.75E-01	3.55E-01	5.97E-01
294.07719	20.57	15.64	16.32	16.03	15.84	3.54E-03	1.70E-03	1.46E-01	6.97E-01	4.21E-01	7.56E-02	7.77E-01
294.09678	25.86	16.39	16.83	17.33	16.81	4.10E-04	1.70E-01	9.41E-05	2.23E-01	1.09E-01	1.00E+00	1.02E-01
294.11121	289.54	17.49	15.83	15.73	14.95	5.82E-10	3.84E-05	9.24E-06	3.17E-10	9.93E-01	9.28E-02	1.57E-01
294.11325	51.07	11.27	22.43	7.68	6.92	1.01E-93	5.11E-15	3.72E-13	4.42E-14	5.11E-15	5.11E-15	3.81E-01
294.12948	263.02	18.80	16.93	17.06	16.84	9.05E-44	5.11E-15	5.11E-15	5.11E-15	7.27E-01	9.17E-01	3.45E-01
294.1798	287.82	17.36	17.69	17.47	18.06	5.58E-07	3.82E-02	7.92E-01	4.12E-07	3.05E-01	2.25E-02	4.15E-05
294.21602	180.71	15.74	15.03	15.14	15.23	2.10E-07	4.19E-07	1.74E-05	6.75E-04	8.50E-01	4.54E-01	8.98E-01
294.25239	256	18.61	17.97	18.25	18.49	1.04E-06	8.05E-07	1.21E-02	7.42E-01	9.19E-02	2.44E-04	2.17E-01
294.81968	64.45	17.82	18.07	18.30	18.16	3.75E-07	1.41E-02	1.03E-07	5.54E-04	3.67E-02	7.59E-01	3.55E-01
294.826	91.09	14.62	15.03	15.00	14.68	1.07E-01	1.94E-01	2.36E-01	9.92E-01	9.99E-01	3.72E-01	4.31E-01
294.88038	42.06	14.15	15.39	15.17	14.03	5.63E-05	1.70E-03	1.31E-02	9.85E-01	9.24E-01	9.71E-04	7.31E-03
294.90412	160.7	16.53	14.89	14.35	15.43	2.05E-27	4.15E-14	5.33E-15	1.62E-08	1.38E-02	1.78E-02	6.10E-08
294.91047	28.51	14.24	13.98	14.68	14.13	3.24E-01	9.04E-01	6.55E-01	9.91E-01	2.81E-01	9.84E-01	5.12E-01
294.92464	44.73	21.53	21.22	21.97	21.94	1.95E-15	4.67E-03	1.16E-05	1.00E-04	3.31E-13	1.03E-11	9.89E-01

294.94117	17.69	13.26	10.66	14.24	15.26	3.94E-19	6.08E-08	1.08E-01	7.55E-05	3.68E-13	4.49E-14	1.19E-01
294.94775	151.27	15.34	14.82	15.04	15.15	1.08E-02	4.92E-03	2.14E-01	6.36E-01	4.91E-01	1.77E-01	9.06E-01
294.96445	42.68	14.84	14.19	14.88	14.30	3.17E-01	4.74E-01	1.00E+00	6.45E-01	4.45E-01	9.96E-01	6.11E-01
294.98472	19.32	17.10	16.20	15.84	16.72	6.24E-08	2.12E-04	6.30E-08	3.02E-01	3.56E-01	1.02E-01	6.79E-04
295.02204	83.21	13.43	14.49	15.70	15.73	3.74E-12	8.84E-03	2.98E-10	7.04E-10	2.29E-03	2.54E-03	1.00E+00
295.03313	19.41	21.60	21.99	21.45	21.28	2.66E-02	3.35E-01	9.08E-01	5.07E-01	1.01E-01	1.85E-02	8.86E-01
295.07372	21.68	16.18	16.48	16.51	16.34	9.62E-02	1.68E-01	1.05E-01	7.20E-01	9.97E-01	7.86E-01	6.70E-01
295.10888	168.76	14.66	13.29	13.12	14.93	1.27E-07	8.02E-04	1.01E-04	8.79E-01	9.66E-01	9.98E-05	1.14E-05
295.11738	62.32	9.02	17.87	8.46	8.24	6.62E-68	5.11E-15	5.15E-01	2.50E-01	5.11E-15	5.11E-15	9.55E-01
295.13202	211.93	15.33	9.33	10.05	9.73	9.46E-26	2.89E-14	4.29E-14	4.11E-14	5.64E-01	8.95E-01	9.44E-01
295.15553	172.79	15.93	15.43	16.06	15.85	4.30E-05	1.13E-03	7.24E-01	9.42E-01	2.46E-05	1.41E-02	4.14E-01
295.17532	167.66	15.86	15.12	14.83	15.68	1.42E-05	5.93E-03	2.92E-05	8.50E-01	5.63E-01	8.96E-02	1.91E-03
295.18948	201.59	18.77	17.42	17.62	18.40	1.40E-15	1.92E-13	2.09E-10	1.28E-01	6.08E-01	3.62E-07	7.80E-05
295.20115	66.73	13.25	11.35	14.20	14.88	7.47E-34	2.81E-13	3.37E-04	5.32E-10	7.99E-15	5.11E-15	2.80E-02
295.22814	262.02	21.16	19.64	19.79	20.09	4.02E-19	4.20E-14	5.14E-14	3.07E-09	7.88E-01	4.22E-02	2.92E-01
295.26451	286.48	24.16	23.44	23.71	24.12	2.99E-09	3.78E-08	9.52E-04	9.89E-01	1.25E-01	9.10E-07	5.78E-03
295.92788	53.02	16.65	15.73	16.72	16.71	2.23E-15	1.08E-11	9.55E-01	9.66E-01	1.29E-12	7.15E-12	1.00E+00
296.00929	20.21	16.08	18.67	17.64	18.08	5.86E-12	4.29E-12	3.50E-05	1.74E-07	1.73E-02	3.61E-01	5.97E-01
296.02289	20.98	17.05	18.15	18.13	17.88	7.65E-13	6.34E-11	8.43E-11	2.11E-06	9.99E-01	3.27E-01	3.79E-01
296.03695	19.86	17.85	17.74	17.28	17.35	2.83E-03	9.17E-01	7.17E-03	3.12E-02	5.87E-02	1.64E-01	9.83E-01
296.05242	25.17	15.74	18.34	18.58	17.13	5.87E-57	5.11E-15	5.11E-15	4.26E-14	3.30E-01	1.77E-13	4.24E-14
296.10921	142.34	15.97	13.33	13.93	14.30	1.16E-21	3.44E-14	7.25E-14	1.14E-09	7.80E-02	1.33E-03	4.88E-01
296.12683	289.92	17.15	14.39	15.60	15.78	2.05E-10	1.73E-11	2.24E-04	2.35E-03	9.33E-03	2.84E-03	9.67E-01
296.13481	24.58	15.32	13.31	14.32	13.48	1.30E-04	2.20E-04	1.55E-01	1.29E-03	1.63E-01	9.86E-01	3.35E-01
296.19294	202.57	15.72	13.78	13.91	15.10	5.93E-12	5.86E-10	5.84E-09	1.52E-01	9.68E-01	1.04E-04	5.44E-04
296.22368	148.66	14.94	14.28	13.96	14.45	3.15E-10	2.06E-05	5.77E-11	3.64E-03	9.65E-02	6.58E-01	4.07E-03
296.23159	202.65	18.42	18.16	18.04	17.93	4.79E-05	5.45E-02	1.47E-03	3.75E-05	6.89E-01	1.64E-01	7.37E-01
296.2678	286.4	21.74	21.01	21.29	21.71	6.62E-09	8.76E-08	1.88E-03	9.98E-01	1.19E-01	1.04E-06	6.84E-03
296.81775	92.06	16.30	16.42	16.68	16.63	7.02E-05	5.38E-01	1.78E-04	1.96E-03	2.67E-02	1.10E-01	9.66E-01
296.86493	91.22	14.02	13.20	13.82	15.06	9.82E-07	4.13E-02	9.06E-01	6.03E-03	2.09E-01	1.87E-07	7.82E-04
296.88296	51.23	22.99	23.11	23.91	23.78	9.36E-26	5.14E-01	3.91E-14	4.71E-14	4.40E-14	6.60E-11	4.47E-01
296.89341	33.04	15.75	16.37	17.02	15.53	2.04E-07	8.45E-02	9.68E-06	8.47E-01	7.01E-02	1.37E-02	7.36E-07
296.90247	70.58	15.69	15.07	16.56	16.42	8.94E-26	1.63E-05	4.00E-10	5.55E-07	1.73E-14	4.11E-14	7.01E-01
296.9199	164.18	18.28	13.17	12.20	13.46	3.22E-36	6.22E-15	5.11E-15	2.22E-14	1.09E-01	9.16E-01	2.36E-02
296.93767	34.54	13.93	13.36	13.73	15.09	2.24E-03	5.66E-01	9.69E-01	4.99E-02	8.40E-01	1.29E-03	1.73E-02
296.96371	59.11	17.05	16.45	16.98	17.84	1.05E-07	2.69E-02	9.87E-01	1.73E-03	7.35E-02	1.33E-08	6.86E-04
297.00007	20.77	15.98	16.05	16.02	16.44	6.90E-02	9.82E-01	9.97E-01	7.02E-02	9.98E-01	1.80E-01	1.24E-01
297.01235	30.85	15.90	16.22	16.32	16.60	2.11E-01	7.59E-01	5.54E-01	1.49E-01	9.89E-01	6.70E-01	8.37E-01
297.02915	19.8	16.56	16.45	15.71	15.89	1.87E-04	9.53E-01	6.37E-04	1.64E-02	5.99E-03	7.82E-02	8.55E-01
297.04752	200.39	15.60	15.16	15.48	15.48	4.79E-04	1.92E-04	6.07E-01	6.34E-01	1.79E-02	2.37E-02	1.00E+00
297.04759	53.77	15.60	16.13	17.24	17.03	7.12E-10	1.81E-01	6.80E-09	1.28E-06	2.35E-04	6.41E-03	8.67E-01
297.06269	20.61	14.56	18.55	12.11	12.86	1.89E-101	5.11E-15	5.11E-15	4.46E-14	5.11E-15	5.11E-15	1.39E-04
297.07134	22.45	14.89	14.64	15.04	16.19	1.88E-03	9.27E-01	9.78E-01	8.61E-03	7.53E-01	1.59E-03	3.21E-02
297.08427	151.43	9.37	14.03	13.11	10.82	8.79E-21	4.29E-14	2.39E-13	1.36E-02	2.13E-01	2.53E-09	2.69E-05
297.10408	32.78	16.57	14.63	14.61	15.19	4.39E-11	2.42E-09	1.29E-09	5.70E-05	1.00E+00	2.75E-01	2.46E-01

297.11141	212.22	15.10	8.48	8.47	8.24	4.50E-41	5.11E-15	5.11E-15	5.11E-15	1.00E+00	9.61E-01	9.64E-01
297.13478	157.81	15.32	14.52	14.94	14.44	1.02E-05	1.56E-04	1.76E-01	3.85E-05	1.20E-01	9.74E-01	4.86E-02
297.13646	24.46	13.07	14.47	14.84	12.03	5.20E-08	1.81E-02	1.17E-03	1.45E-01	8.68E-01	1.21E-05	2.66E-07
297.15324	150.35	15.68	15.52	15.60	14.89	3.40E-02	9.41E-01	9.90E-01	3.09E-02	9.93E-01	1.40E-01	7.44E-02
297.15325	288.59	17.18	18.18	18.75	17.67	7.05E-29	9.79E-14	5.11E-15	4.75E-04	3.14E-05	5.13E-04	5.37E-14
297.17121	169.96	16.40	15.25	15.82	15.50	2.42E-06	1.48E-06	3.78E-02	4.26E-04	4.82E-02	6.79E-01	4.93E-01
297.20766	187.83	17.66	16.74	17.02	17.12	3.42E-16	4.31E-14	2.60E-09	2.01E-06	3.22E-02	1.64E-03	7.33E-01
297.22324	226.89	16.64	15.14	16.38	16.58	7.09E-22	4.16E-14	2.59E-01	9.73E-01	1.13E-13	4.15E-14	5.55E-01
297.23541	71.13	16.18	14.35	15.61	16.79	1.86E-08	8.84E-06	4.05E-01	3.72E-01	5.45E-03	1.18E-08	1.32E-02
297.24391	227.42	22.69	22.16	22.25	22.69	4.70E-02	1.08E-01	2.28E-01	1.00E+00	9.82E-01	1.50E-01	2.90E-01
297.27131	284	17.62	16.63	16.92	17.46	5.06E-08	2.35E-07	4.05E-04	8.15E-01	3.55E-01	5.43E-05	1.71E-02
297.28015	291.89	18.02	18.11	18.51	18.50	5.57E-06	8.61E-01	1.27E-04	3.10E-04	3.83E-03	6.94E-03	1.00E+00
297.28017	195.3	17.41	17.03	17.01	17.06	6.46E-04	3.29E-03	1.87E-03	1.08E-02	9.99E-01	9.94E-01	9.80E-01
297.88528	37.72	18.73	18.47	19.45	19.23	4.71E-26	1.24E-02	4.69E-14	1.06E-07	1.53E-14	5.11E-14	5.85E-02
297.96919	32.67	17.95	20.07	20.26	19.48	8.26E-50	5.11E-15	5.11E-15	1.02E-14	4.57E-01	8.50E-05	7.78E-08
298.02467	23.44	18.87	19.37	19.50	19.44	9.10E-13	9.63E-08	1.45E-11	3.48E-09	4.63E-01	8.79E-01	9.07E-01
298.04474	55.01	16.44	18.10	18.80	18.06	2.95E-25	7.24E-14	6.88E-15	3.56E-13	3.18E-03	9.98E-01	2.40E-03
298.0697	19.28	16.91	16.60	16.35	17.33	1.28E-04	4.70E-01	3.74E-02	2.07E-01	6.27E-01	6.58E-03	7.10E-05
298.11483	28.39	16.31	16.22	16.16	16.30	8.46E-01	9.57E-01	8.59E-01	1.00E+00	9.93E-01	9.71E-01	8.95E-01
298.1574	63.54	15.52	16.34	15.19	16.85	1.66E-04	1.48E-01	8.19E-01	4.96E-03	1.94E-02	5.91E-01	3.02E-04
298.24711	281.03	20.87	19.66	19.74	20.04	7.41E-14	2.31E-12	3.74E-11	3.49E-06	9.55E-01	9.62E-02	2.59E-01
298.2838	292.78	15.62	14.60	15.20	15.33	1.48E-01	9.99E-02	7.79E-01	9.23E-01	5.39E-01	3.95E-01	9.92E-01
298.80776	105.2	16.60	15.55	16.06	17.25	5.08E-25	1.70E-12	3.91E-04	3.59E-05	1.65E-03	8.66E-15	7.84E-14
298.8336	75.92	16.68	16.52	16.97	16.89	2.37E-08	1.40E-01	5.80E-04	3.28E-02	6.11E-08	2.57E-05	7.16E-01
298.84429	90.49	12.34	14.14	13.63	14.11	2.56E-06	1.23E-05	2.99E-03	2.97E-05	5.21E-01	1.00E+00	5.87E-01
298.86211	96.88	14.47	13.99	14.36	14.22	4.37E-02	2.93E-02	8.98E-01	4.60E-01	1.71E-01	6.17E-01	8.65E-01
298.88041	50.11	20.66	20.80	21.67	21.50	1.32E-30	3.36E-01	7.33E-15	4.31E-14	4.26E-14	1.45E-12	2.19E-01
298.88714	40.89	16.34	15.49	16.63	16.46	6.35E-21	1.21E-12	2.87E-02	6.96E-01	3.95E-14	6.46E-14	3.93E-01
298.90163	85.03	14.92	14.84	14.11	14.51	3.18E-05	9.63E-01	4.17E-05	1.06E-01	5.10E-04	2.95E-01	1.50E-01
298.93287	32.6	15.95	14.29	15.16	14.89	5.32E-05	1.43E-05	9.44E-02	1.51E-02	6.52E-02	3.49E-01	8.76E-01
298.9535	30.99	15.89	16.74	17.10	16.63	6.95E-19	9.90E-11	4.13E-14	4.67E-08	1.96E-02	8.08E-01	1.26E-03
298.97303	37.55	13.61	14.58	14.76	14.09	1.03E-05	4.22E-04	1.45E-05	1.99E-01	8.82E-01	2.28E-01	4.34E-02
299.05782	64.23	13.78	18.68	11.70	12.48	5.23E-131	5.11E-15	5.11E-15	4.37E-14	5.11E-15	5.11E-15	1.10E-07
299.0698	35.43	19.40	19.72	20.08	19.14	3.92E-05	3.35E-01	2.39E-03	5.61E-01	2.65E-01	2.35E-02	3.12E-05
299.0787	24.66	15.49	17.44	14.56	14.83	5.15E-97	5.11E-15	7.77E-15	2.54E-13	5.11E-15	5.11E-15	4.86E-03
299.08115	290.58	17.81	15.16	16.97	17.12	9.55E-29	5.11E-15	1.70E-04	4.74E-03	4.46E-14	4.35E-14	8.86E-01
299.10243	23.04	16.15	17.04	16.95	16.82	8.02E-10	6.32E-09	1.21E-07	3.05E-05	9.34E-01	4.40E-01	7.88E-01
299.11401	153.3	15.13	14.44	13.93	14.44	2.04E-10	2.46E-04	1.94E-11	3.33E-04	1.28E-02	1.00E+00	1.76E-02
299.15044	157.4	15.84	15.33	15.76	15.38	1.14E-03	4.80E-03	9.51E-01	1.90E-02	2.90E-02	9.86E-01	8.42E-02
299.18695	194.27	17.16	16.45	16.73	16.60	3.84E-07	2.63E-07	3.24E-03	1.09E-04	1.35E-01	6.78E-01	7.56E-01
299.20201	194.19	18.17	15.87	16.75	16.86	3.22E-30	5.11E-15	4.65E-14	1.57E-12	2.19E-06	2.33E-07	9.23E-01
299.20224	53.51	16.12	12.88	14.83	14.99	4.25E-14	4.51E-14	3.10E-03	1.70E-02	2.86E-06	9.56E-07	9.78E-01
299.22335	234.39	21.86	21.87	21.91	21.95	7.88E-01	9.99E-01	9.45E-01	7.78E-01	9.79E-01	8.61E-01	9.78E-01
299.25101	178.36	17.73	17.27	16.97	17.39	6.78E-08	1.13E-03	1.06E-08	3.65E-02	8.24E-02	7.75E-01	6.31E-03
299.25957	206.19	21.60	20.47	21.01	21.03	9.73E-13	9.94E-14	8.67E-05	2.74E-04	8.61E-04	8.72E-04	9.99E-01

299.88181	30.52	17.10	15.51	16.66	16.99	2.55E-14	2.33E-13	1.18E-01	9.59E-01	1.37E-07	5.06E-11	3.68E-01
299.97516	33.79	17.75	18.70	18.66	18.00	1.63E-20	4.29E-14	4.73E-14	1.03E-01	9.68E-01	5.59E-09	4.62E-08
300.04048	21.3	20.19	21.35	21.20	20.78	1.21E-33	5.11E-15	6.22E-15	5.20E-10	3.18E-01	3.46E-09	1.28E-05
300.04986	18.39	20.50	20.98	20.95	21.23	4.50E-05	8.59E-03	1.30E-02	1.70E-05	9.99E-01	3.57E-01	2.71E-01
300.0595	18.33	16.58	16.11	16.89	16.72	2.06E-02	2.37E-01	5.93E-01	9.48E-01	1.30E-02	9.70E-02	9.15E-01
300.20196	166.51	16.06	15.76	15.55	15.11	5.75E-04	5.25E-01	8.82E-02	2.13E-04	7.74E-01	2.75E-02	2.31E-01
300.22646	223.35	19.29	19.17	19.30	19.38	2.16E-01	5.74E-01	1.00E+00	7.96E-01	5.29E-01	1.53E-01	8.52E-01
300.25483	181.25	14.84	14.12	14.74	14.85	1.07E-04	2.84E-04	9.32E-01	1.00E+00	3.39E-03	6.18E-04	9.36E-01
300.26288	201.66	19.57	18.78	18.91	18.94	4.90E-09	1.72E-08	2.81E-06	1.58E-05	7.33E-01	6.39E-01	9.98E-01
300.8599	74.81	17.10	17.56	18.30	18.24	1.43E-37	1.20E-06	5.11E-15	5.11E-15	5.12E-14	2.75E-12	9.21E-01
300.8752	130.44	16.89	15.81	15.31	16.67	1.82E-11	2.36E-05	2.05E-10	7.84E-01	1.44E-01	2.44E-03	2.40E-07
300.88504	43.85	12.73	11.21	14.54	14.33	1.46E-12	4.25E-03	3.48E-04	3.20E-03	2.83E-11	1.51E-09	9.70E-01
300.89055	92.78	16.97	15.33	15.90	16.54	8.36E-39	5.11E-15	3.86E-14	3.92E-04	1.06E-06	2.51E-14	6.15E-08
300.93243	165.5	12.97	15.53	15.58	15.68	2.80E-25	4.13E-14	4.33E-14	4.24E-14	9.99E-01	9.49E-01	9.80E-01
300.95356	154.26	17.32	15.72	15.38	16.58	1.57E-22	4.59E-14	3.53E-14	6.54E-04	2.79E-01	7.28E-05	1.19E-08
301.00943	27.76	16.49	16.21	16.30	16.28	3.37E-01	3.02E-01	6.11E-01	5.52E-01	9.54E-01	9.82E-01	9.99E-01
301.02366	24.72	16.03	16.70	15.65	15.76	1.24E-06	3.64E-03	1.96E-01	5.34E-01	1.54E-06	4.44E-05	9.44E-01
301.04412	16.83	17.26	18.26	18.45	18.31	7.52E-17	4.59E-11	4.88E-14	1.16E-11	5.33E-01	9.78E-01	8.00E-01
301.0538	28.53	17.11	17.82	16.88	17.17	3.95E-08	2.07E-05	4.07E-01	9.81E-01	1.90E-08	2.87E-04	2.54E-01
301.05969	29.4	16.25	16.99	17.10	16.30	5.41E-12	5.94E-07	4.63E-09	9.82E-01	8.33E-01	1.31E-05	2.00E-07
301.06654	18.11	16.04	12.69	12.31	13.44	1.89E-25	4.04E-14	1.60E-14	2.94E-12	6.56E-01	1.38E-01	6.11E-03
301.0759	28.4	13.52	15.11	11.35	12.04	6.11E-63	4.44E-14	5.11E-15	4.31E-14	5.11E-15	5.11E-15	2.38E-04
301.09249	88.45	10.89	12.93	13.46	14.91	4.40E-09	3.06E-03	7.90E-05	9.28E-10	8.12E-01	8.23E-03	8.52E-02
301.10582	208.77	14.96	9.05	8.99	9.20	1.01E-44	5.11E-15	5.11E-15	5.11E-15	9.99E-01	9.84E-01	9.58E-01
301.11846	26.91	14.76	16.84	17.42	16.46	1.72E-34	1.62E-14	5.11E-15	4.35E-14	1.09E-02	2.01E-01	5.86E-06
301.12976	157.12	14.46	14.41	15.52	14.13	3.68E-06	9.99E-01	3.52E-04	6.31E-01	3.09E-04	7.41E-01	5.66E-06
301.13033	18.94	12.59	12.72	12.60	11.86	1.43E-01	9.86E-01	1.00E+00	2.49E-01	9.90E-01	1.45E-01	2.51E-01
301.15797	31.04	15.67	16.76	17.11	16.26	1.22E-13	2.17E-08	2.00E-13	7.44E-03	2.33E-01	3.98E-02	5.30E-05
301.16661	214.07	18.32	19.63	19.66	18.68	5.38E-31	1.47E-14	9.33E-15	1.18E-02	9.96E-01	8.42E-13	1.84E-13
301.20384	154.93	14.97	16.22	15.44	14.48	2.53E-11	3.73E-07	1.47E-01	1.39E-01	4.08E-03	1.63E-11	2.98E-04
301.20976	207.76	16.26	15.41	15.12	16.08	1.36E-04	1.43E-02	3.22E-04	9.26E-01	7.39E-01	1.07E-01	6.42E-03
301.21779	214.6	27.54	27.42	27.46	27.48	8.42E-01	8.04E-01	9.36E-01	9.75E-01	9.89E-01	9.70E-01	9.99E-01
301.21807	101.39	21.05	19.51	20.40	20.88	3.62E-21	3.93E-14	7.98E-05	6.93E-01	6.44E-08	4.31E-14	1.03E-02
301.23901	257.26	23.94	24.14	24.17	24.07	3.34E-04	3.26E-03	3.23E-04	1.13E-01	9.41E-01	6.79E-01	3.35E-01
301.92582	22.27	18.40	18.64	18.51	18.92	2.12E-03	3.05E-01	8.59E-01	1.14E-03	7.84E-01	1.81E-01	1.77E-02
302.02913	19.4	14.73	14.40	14.61	15.69	4.15E-04	6.78E-01	9.76E-01	1.08E-02	8.99E-01	3.37E-04	3.65E-03
302.03624	20.82	14.49	15.67	15.48	14.54	1.76E-06	5.50E-05	8.52E-04	9.97E-01	8.97E-01	3.31E-04	3.64E-03
302.05584	20.25	16.26	16.54	16.37	16.24	4.33E-01	4.84E-01	9.45E-01	9.99E-01	8.26E-01	4.57E-01	9.17E-01
302.06707	23.1	20.52	22.15	22.03	20.98	4.19E-06	3.80E-05	1.41E-04	5.85E-01	9.86E-01	9.96E-03	2.50E-02
302.08876	141.02	14.69	11.43	11.47	12.80	6.90E-39	5.11E-15	5.11E-15	1.34E-13	9.97E-01	1.18E-07	2.60E-07
302.10139	173.95	14.98	16.12	16.63	16.19	1.26E-14	9.12E-08	5.05E-14	2.88E-08	4.81E-02	9.84E-01	1.32E-01
302.10177	22	22.66	23.22	23.18	22.86	2.78E-06	1.71E-05	6.64E-05	3.25E-01	9.86E-01	2.14E-02	5.02E-02
302.15577	29.69	17.24	15.58	15.70	15.53	2.69E-08	1.35E-06	6.85E-06	1.17E-06	9.81E-01	9.99E-01	9.51E-01
302.16849	215.77	13.55	15.87	15.91	14.34	3.16E-18	9.43E-14	5.23E-14	3.12E-02	9.98E-01	2.49E-06	8.92E-07
302.22103	209.95	25.34	25.13	25.33	25.23	4.40E-01	4.58E-01	1.00E+00	8.71E-01	5.23E-01	9.15E-01	9.07E-01

302.22126	97.43	18.59	16.51	17.69	18.01	3.56E-18	4.22E-14	1.08E-04	3.47E-02	3.53E-07	3.43E-10	4.55E-01
302.24236	263.82	21.32	21.60	21.66	21.52	5.42E-07	4.62E-05	5.68E-07	9.81E-03	8.19E-01	5.83E-01	1.46E-01
302.53453	17.52	15.41	16.69	16.84	16.39	4.13E-11	1.68E-08	2.35E-10	4.02E-05	9.04E-01	5.07E-01	1.68E-01
302.83861	45.73	17.93	16.72	19.69	19.05	6.01E-33	9.97E-08	5.22E-14	1.89E-06	5.11E-15	3.55E-14	1.75E-02
302.84893	45.7	19.82	17.56	19.61	19.98	4.72E-35	5.11E-15	5.85E-01	8.18E-01	1.02E-14	5.11E-15	1.70E-01
302.85785	82.52	14.85	14.27	15.09	15.23	9.84E-03	1.86E-01	8.36E-01	5.71E-01	2.93E-02	9.55E-03	9.65E-01
302.8649	159.66	16.69	15.22	15.05	15.95	2.94E-24	4.44E-14	2.69E-14	1.86E-05	6.82E-01	4.25E-05	2.04E-07
302.91072	37.79	21.81	22.30	21.71	21.40	4.92E-03	1.68E-01	9.75E-01	3.22E-01	7.46E-02	2.08E-03	5.78E-01
302.91121	239.47	18.16	16.96	17.41	17.52	9.31E-14	5.25E-14	9.65E-07	6.97E-05	9.47E-03	1.13E-03	8.86E-01
302.92456	234.09	17.64	16.49	17.09	17.11	1.31E-13	5.02E-14	2.13E-04	7.39E-04	9.68E-05	8.82E-05	9.98E-01
302.96926	41.46	18.41	19.53	19.30	19.47	7.69E-08	5.38E-07	8.74E-05	4.85E-06	6.78E-01	9.90E-01	8.61E-01
302.9832	25.54	16.32	16.53	17.09	16.01	1.22E-01	9.60E-01	2.90E-01	9.05E-01	6.04E-01	6.72E-01	9.11E-02
303.01633	26.32	16.20	18.40	18.60	18.12	3.67E-24	4.40E-14	3.26E-14	8.70E-14	8.22E-01	6.32E-01	1.74E-01
303.01885	233.67	16.09	14.49	15.24	15.71	2.12E-11	8.80E-12	4.47E-04	2.93E-01	3.74E-03	1.01E-06	1.61E-01
303.03704	187.7	10.41	13.02	13.00	13.07	6.26E-18	1.58E-13	1.60E-13	2.12E-13	1.00E+00	9.99E-01	9.96E-01
303.04358	239.87	16.61	15.18	15.51	15.97	3.21E-08	2.55E-08	2.54E-05	4.36E-02	4.89E-01	7.70E-03	2.42E-01
303.05115	18.87	20.81	20.57	20.97	21.19	2.37E-02	6.17E-01	8.30E-01	2.18E-01	1.84E-01	1.43E-02	6.96E-01
303.06072	233.8	17.22	16.29	16.66	16.55	4.47E-09	1.68E-09	4.13E-04	3.01E-05	5.51E-02	3.15E-01	8.75E-01
303.06859	23.71	16.40	16.85	18.49	16.90	1.34E-03	8.45E-01	8.54E-04	8.10E-01	1.87E-02	1.00E+00	2.97E-02
303.0725	70.75	11.17	19.82	5.01	5.37	1.18E-58	5.77E-15	4.35E-14	2.27E-13	5.11E-15	5.11E-15	9.60E-01
303.08436	18.92	15.50	15.97	16.38	17.11	7.69E-07	3.31E-01	8.00E-03	2.42E-07	4.58E-01	6.52E-04	5.79E-02
303.10524	25.71	18.98	19.47	19.47	19.14	7.53E-05	6.17E-04	5.33E-04	6.09E-01	1.00E+00	5.61E-02	5.30E-02
303.10548	226.25	16.60	15.60	16.18	16.33	4.20E-05	1.22E-05	1.67E-01	5.57E-01	3.06E-02	5.24E-03	9.07E-01
303.11171	289.34	17.19	14.75	13.65	14.47	1.37E-14	1.13E-07	5.95E-14	8.14E-09	5.43E-02	9.24E-01	2.46E-01
303.11967	200.85	16.51	15.42	14.20	14.54	3.86E-07	5.06E-02	5.32E-07	5.20E-05	2.53E-02	2.00E-01	8.65E-01
303.16453	231.81	17.40	16.40	16.76	17.41	2.28E-02	4.03E-02	3.14E-01	1.00E+00	7.81E-01	5.76E-02	3.62E-01
303.20019	171.92	15.42	16.20	14.58	15.89	1.25E-04	1.31E-01	8.57E-02	5.83E-01	8.33E-05	8.38E-01	3.24E-03
303.22453	216.33	21.93	21.72	21.97	21.80	5.05E-01	6.38E-01	9.97E-01	8.88E-01	5.31E-01	9.75E-01	8.07E-01
303.23351	239.28	30.78	30.81	31.05	31.12	2.96E-04	9.79E-01	1.39E-02	1.55E-03	5.35E-02	7.96E-03	8.77E-01
303.40689	233.98	17.05	16.13	16.49	16.66	1.82E-09	2.79E-10	2.12E-04	2.67E-02	3.76E-02	9.75E-04	6.11E-01
303.42692	240.03	16.60	15.63	15.88	16.12	1.98E-11	1.06E-11	4.29E-07	2.11E-03	2.24E-01	2.41E-03	3.07E-01
303.43458	234.04	16.66	15.01	15.73	15.98	2.86E-16	4.46E-14	9.03E-07	9.28E-04	3.82E-04	1.69E-06	5.17E-01
303.54383	234.04	17.49	16.39	16.89	17.09	1.09E-12	1.61E-13	6.44E-05	2.19E-02	1.72E-03	8.12E-06	4.83E-01
303.55718	234.25	18.15	17.38	17.82	17.92	8.82E-10	1.33E-10	1.18E-02	1.73E-01	7.12E-04	2.77E-05	7.93E-01
303.91503	35.58	16.99	17.71	17.57	17.14	1.26E-07	1.02E-06	9.98E-05	7.05E-01	7.36E-01	3.72E-04	1.13E-02
303.9228	26.17	16.55	16.71	16.44	17.08	6.79E-05	6.16E-01	8.22E-01	9.40E-04	1.78E-01	5.17E-02	4.53E-05
304.00313	32.71	15.92	17.23	17.49	16.07	1.01E-27	4.37E-14	2.64E-14	7.47E-01	2.96E-01	3.23E-12	4.29E-14
304.00932	29.36	15.85	16.27	16.21	16.04	8.51E-03	9.29E-03	3.24E-02	5.01E-01	9.72E-01	3.55E-01	6.07E-01
304.03506	18.29	18.23	19.46	19.44	19.21	6.26E-15	1.90E-12	1.90E-12	3.66E-08	1.00E+00	4.56E-01	4.91E-01
304.0547	22.64	17.27	16.62	17.11	17.43	7.21E-05	8.77E-04	7.75E-01	8.23E-01	2.47E-02	6.68E-05	2.99E-01
304.06261	20.13	19.89	21.44	21.27	20.89	2.95E-15	9.23E-14	9.60E-12	1.93E-06	8.03E-01	2.94E-02	2.19E-01
304.0717	24.32	18.02	19.64	19.04	19.03	6.08E-19	4.06E-14	1.86E-09	1.07E-08	1.58E-03	1.80E-03	1.00E+00
304.10577	27.25	16.48	16.18	16.30	16.04	8.34E-03	8.75E-02	4.68E-01	4.91E-03	8.03E-01	7.28E-01	2.19E-01
304.13513	27.1	18.82	18.46	18.74	18.41	1.20E-02	5.89E-02	9.44E-01	3.05E-02	2.17E-01	9.90E-01	1.29E-01
304.2276	211.68	18.23	18.04	18.22	18.14	5.82E-01	5.77E-01	9.99E-01	9.21E-01	6.67E-01	9.34E-01	9.57E-01

304.23604	240.03	28.74	28.56	28.91	29.02	5.11E-06	1.72E-01	1.89E-01	8.74E-03	5.86E-04	5.49E-06	6.07E-01
304.83771	69.93	15.33	15.32	16.51	15.57	1.37E-16	1.00E+00	6.59E-14	3.56E-01	1.06E-13	3.36E-01	5.27E-09
304.84924	86.41	22.05	22.28	22.52	22.14	1.68E-06	4.53E-02	9.13E-07	7.45E-01	3.80E-02	4.34E-01	2.79E-04
304.86211	128.39	14.94	13.44	13.30	14.33	2.65E-15	2.68E-11	3.00E-13	2.27E-02	9.10E-01	2.81E-04	1.52E-05
304.87006	105.03	15.84	15.19	15.45	15.46	8.52E-08	1.42E-08	1.12E-03	2.23E-03	7.54E-02	7.93E-02	1.00E+00
304.88618	92.28	13.85	14.43	14.98	14.52	4.44E-10	1.72E-03	4.26E-11	2.71E-04	3.87E-03	9.43E-01	2.92E-02
304.91208	34.11	17.62	18.15	17.72	18.02	3.09E-02	3.80E-02	9.57E-01	2.11E-01	1.42E-01	9.13E-01	4.81E-01
304.92758	36.87	21.98	23.25	23.13	23.04	2.40E-32	5.11E-15	7.99E-15	3.67E-14	6.45E-01	1.63E-01	7.75E-01
304.94061	25.16	12.97	14.53	14.93	13.72	1.54E-10	7.74E-07	3.26E-10	5.22E-02	5.31E-01	4.02E-02	4.76E-04
304.96494	37.65	14.23	14.33	15.43	15.18	3.91E-02	9.97E-01	6.98E-02	2.40E-01	1.30E-01	3.61E-01	9.63E-01
304.9843	21.17	17.40	19.76	19.75	19.30	1.43E-31	5.77E-15	5.77E-15	4.24E-14	1.00E+00	1.01E-01	1.18E-01
304.99233	16.9	12.63	14.99	15.18	15.08	2.52E-23	4.24E-14	4.20E-14	4.42E-14	8.87E-01	9.89E-01	9.80E-01
305.0184	18.97	17.72	18.27	18.37	18.33	6.80E-03	4.60E-02	1.08E-02	2.76E-02	9.66E-01	9.95E-01	9.97E-01
305.03847	17.8	14.21	14.31	14.51	14.16	7.87E-01	9.93E-01	8.29E-01	9.99E-01	9.44E-01	9.80E-01	7.85E-01
305.04798	22.08	19.23	19.10	19.35	19.57	9.00E-02	8.88E-01	9.09E-01	2.49E-01	5.28E-01	6.39E-02	6.33E-01
305.06938	20.69	18.73	21.23	21.40	21.23	6.17E-20	5.45E-14	4.29E-14	9.64E-14	9.47E-01	1.00E+00	9.46E-01
305.12704	291.43	18.32	15.81	16.07	16.31	2.14E-15	1.56E-13	1.33E-11	5.52E-09	8.44E-01	4.05E-01	8.68E-01
305.17629	292.6	17.47	16.47	16.95	16.41	2.07E-04	1.00E-03	1.91E-01	5.89E-04	2.77E-01	9.96E-01	1.96E-01
305.23965	240.64	25.50	25.09	25.49	25.65	1.59E-06	2.81E-04	1.00E+00	4.43E-01	5.02E-04	1.11E-06	4.22E-01
305.24896	256.95	28.39	27.88	28.08	28.42	1.33E-11	2.27E-09	4.24E-04	9.88E-01	6.19E-02	2.60E-09	2.79E-04
305.57143	18.05	16.12	18.81	18.88	18.96	6.39E-17	2.20E-12	4.40E-13	5.75E-13	9.97E-01	9.77E-01	9.96E-01
305.85269	84.44	16.49	16.60	16.99	16.58	6.83E-11	3.51E-01	7.31E-11	5.75E-01	1.47E-06	9.89E-01	5.69E-07
305.91164	30.58	11.59	13.83	14.55	13.66	5.31E-08	5.44E-05	3.45E-08	3.43E-04	4.78E-01	9.89E-01	3.14E-01
305.92064	32.22	15.05	14.53	14.77	14.44	1.08E-01	1.95E-01	7.03E-01	1.16E-01	8.03E-01	9.91E-01	6.43E-01
305.93089	43.78	17.05	18.36	18.21	18.12	2.90E-40	5.11E-15	5.11E-15	6.22E-15	3.06E-01	3.87E-02	7.42E-01
305.96169	34.02	15.77	15.21	16.00	15.34	3.73E-03	8.02E-02	7.43E-01	2.89E-01	5.53E-03	9.46E-01	3.76E-02
306.04035	285.6	16.41	16.50	16.62	17.47	5.46E-03	9.92E-01	9.03E-01	5.44E-03	9.80E-01	1.68E-02	4.53E-02
306.06877	19.71	15.26	16.11	16.45	16.16	1.45E-03	3.53E-02	9.60E-04	2.79E-02	7.19E-01	9.99E-01	8.18E-01
306.07741	22.4	25.38	26.54	26.13	25.56	3.23E-05	4.76E-05	1.64E-02	8.90E-01	3.93E-01	1.95E-03	1.48E-01
306.11161	212.7	15.54	10.01	10.07	11.03	3.79E-51	5.11E-15	5.11E-15	5.11E-15	9.97E-01	1.10E-02	1.81E-02
306.24162	233.76	21.15	20.60	20.97	21.10	7.45E-08	9.25E-08	2.19E-01	9.44E-01	7.73E-04	6.16E-06	5.78E-01
306.25232	251.7	26.26	25.61	26.02	26.19	1.60E-10	2.47E-10	5.27E-02	8.92E-01	1.40E-04	8.40E-08	3.09E-01
306.85299	102.18	14.53	14.11	14.04	13.96	3.12E-02	1.75E-01	8.06E-02	3.57E-02	9.88E-01	8.95E-01	9.79E-01
306.86491	71.18	22.27	22.40	22.94	22.53	2.58E-17	2.56E-01	4.51E-14	2.97E-03	1.35E-11	3.40E-01	4.44E-07
306.87755	30.1	12.87	14.70	14.45	14.00	9.14E-04	9.82E-04	5.52E-03	1.02E-01	9.57E-01	5.07E-01	8.03E-01
306.8987	33.35	13.73	14.04	14.68	14.26	6.43E-03	6.59E-01	2.94E-03	2.25E-01	1.04E-01	8.68E-01	4.66E-01
306.90465	83.9	16.24	15.09	15.75	16.19	3.43E-33	5.11E-15	1.08E-07	9.49E-01	2.31E-12	5.77E-15	6.71E-06
306.92257	36.1	18.68	19.75	19.97	19.41	4.02E-23	4.45E-14	2.53E-14	3.02E-08	2.47E-01	3.58E-02	5.09E-05
306.93143	44.84	15.96	16.53	16.41	16.37	8.55E-13	1.68E-12	2.11E-08	9.29E-07	3.51E-01	1.55E-01	9.56E-01
306.94122	20.92	13.27	12.67	13.93	14.07	3.71E-04	3.03E-01	2.17E-01	1.06E-01	2.30E-03	8.18E-04	9.78E-01
306.9815	43.7	16.66	13.80	14.77	14.10	9.11E-06	1.52E-05	7.94E-03	2.09E-04	3.78E-01	9.65E-01	6.97E-01
307.00395	27.24	16.36	17.97	17.81	17.75	7.55E-20	4.36E-14	5.62E-14	5.96E-13	7.96E-01	6.40E-01	9.91E-01
307.07466	25.53	19.71	21.14	20.86	20.53	1.21E-24	1.22E-14	4.41E-14	4.24E-09	1.16E-01	2.24E-05	4.87E-02
307.08084	19.4	22.03	23.03	22.59	22.05	4.71E-04	1.04E-03	1.33E-01	1.00E+00	3.72E-01	2.76E-03	1.95E-01
307.11534	22.37	17.72	18.93	18.34	18.03	7.41E-21	3.24E-14	4.20E-07	3.38E-02	2.80E-06	5.03E-12	4.85E-02

307.12849	62.44	17.44	19.13	16.93	17.01	9.92E-93	5.11E-15	1.03E-12	4.09E-09	5.11E-15	5.11E-15	6.80E-01
307.14295	290.28	16.43	11.35	10.62	11.85	2.85E-34	7.33E-15	5.11E-15	3.94E-14	3.24E-01	6.73E-01	2.84E-02
307.15874	288.42	17.25	18.36	18.67	17.25	1.37E-14	3.33E-07	4.25E-11	1.00E+00	4.25E-01	1.35E-06	3.79E-10
307.19481	176.47	17.95	17.48	17.78	17.86	5.56E-02	3.81E-02	7.60E-01	9.56E-01	3.34E-01	1.73E-01	9.74E-01
307.19513	289.92	17.05	17.29	18.22	16.96	8.55E-11	5.52E-01	4.04E-09	9.63E-01	7.74E-06	3.17E-01	1.96E-09
307.22832	84.17	18.15	15.69	17.33	17.97	3.07E-15	6.43E-14	2.53E-02	9.32E-01	4.54E-07	1.15E-11	1.56E-01
307.25574	255.14	22.96	22.10	22.46	22.66	8.53E-14	5.80E-14	8.89E-06	2.31E-02	2.49E-03	1.66E-06	2.45E-01
307.26459	272.1	26.97	26.41	26.78	26.86	3.50E-06	1.56E-06	2.64E-01	7.35E-01	3.92E-03	4.25E-04	8.87E-01
307.86847	70.94	16.84	16.45	17.34	16.91	1.04E-28	4.20E-08	4.37E-13	6.85E-01	5.11E-15	6.16E-10	3.17E-09
307.91293	29.52	14.57	15.06	14.76	15.10	1.23E-01	2.07E-01	8.70E-01	1.65E-01	6.42E-01	9.98E-01	5.57E-01
307.93528	67.03	15.23	14.82	16.32	15.85	3.22E-09	2.79E-01	1.75E-05	4.65E-02	5.06E-09	1.87E-04	2.00E-01
307.97722	37.51	15.81	14.22	14.94	14.41	3.99E-05	5.16E-05	5.97E-02	7.00E-04	1.85E-01	9.57E-01	4.69E-01
308.03311	28.67	16.44	13.51	13.57	14.36	1.07E-11	4.62E-10	6.82E-10	2.20E-05	9.99E-01	2.45E-01	2.97E-01
308.06365	26.99	14.73	16.77	16.89	16.11	1.22E-31	6.66E-15	5.11E-15	3.85E-13	8.82E-01	1.53E-03	7.86E-05
308.07332	18.94	20.57	21.58	21.03	20.61	2.38E-03	2.92E-03	3.67E-01	9.99E-01	2.43E-01	8.69E-03	5.04E-01
308.12711	216.94	14.60	7.70	7.62	8.10	8.49E-61	5.11E-15	5.11E-15	5.11E-15	9.95E-01	7.00E-01	5.47E-01
308.12724	25.84	12.17	6.98	7.11	8.36	9.36E-29	9.10E-15	1.15E-14	6.52E-14	9.91E-01	1.64E-02	3.50E-02
308.25869	256.09	18.37	16.94	17.51	17.84	2.06E-16	4.31E-14	1.99E-07	4.06E-03	1.52E-03	3.27E-07	1.68E-01
308.26793	276.24	24.85	24.10	24.47	24.57	4.67E-09	5.31E-10	3.88E-03	7.23E-02	5.36E-03	3.56E-04	8.25E-01
308.84567	88.61	15.07	14.75	15.09	14.81	3.57E-04	4.71E-03	9.96E-01	4.13E-02	2.74E-03	9.27E-01	2.59E-02
308.85707	52.59	17.63	16.12	16.21	16.07	6.48E-12	2.78E-09	1.68E-08	2.05E-09	9.82E-01	9.97E-01	9.37E-01
308.86884	85.81	15.51	14.49	15.28	15.12	8.06E-10	2.81E-10	4.00E-01	5.05E-02	1.96E-06	4.08E-04	7.19E-01
308.9164	146.42	13.49	17.36	17.01	17.46	4.55E-23	4.29E-14	4.35E-14	4.27E-14	8.23E-01	9.95E-01	6.97E-01
308.91675	27.65	17.61	20.36	20.37	19.89	2.33E-47	5.11E-15	5.11E-15	5.11E-15	1.00E+00	3.75E-02	2.80E-02
308.94001	49.18	18.76	16.66	17.66	17.67	2.06E-09	1.73E-10	1.56E-03	2.73E-03	6.58E-03	8.49E-03	1.00E+00
308.96138	42.05	19.32	19.96	20.32	20.09	9.56E-16	2.29E-07	4.31E-14	1.06E-09	1.12E-02	6.83E-01	2.24E-01
308.98444	32.99	16.44	16.07	15.91	16.53	1.34E-06	1.57E-02	9.98E-05	8.96E-01	5.46E-01	2.84E-03	1.36E-05
309.02016	38.95	16.61	15.49	16.23	16.47	7.94E-03	6.13E-03	6.71E-01	9.80E-01	1.44E-01	3.21E-02	9.00E-01
309.07026	21.03	14.26	15.49	15.46	14.03	1.53E-05	3.25E-03	3.89E-03	9.18E-01	1.00E+00	6.48E-04	7.76E-04
309.07789	25	17.63	17.95	18.01	17.56	1.23E-01	4.56E-01	3.06E-01	9.89E-01	9.95E-01	3.27E-01	2.09E-01
309.08759	38.72	17.42	26.20	18.21	17.35	2.55E-125	5.11E-15	1.75E-04	9.85E-01	5.11E-15	5.11E-15	1.07E-04
309.10948	22.4	15.54	20.16	14.71	14.92	1.87E-42	5.11E-15	6.59E-02	2.76E-01	5.11E-15	5.11E-15	9.37E-01
309.12212	290.28	17.08	12.56	15.48	13.80	1.88E-22	2.66E-14	6.58E-04	1.58E-12	2.10E-10	2.41E-02	6.66E-04
309.16913	37.61	14.89	15.05	14.12	14.49	2.10E-03	9.15E-01	1.42E-02	4.40E-01	2.31E-03	1.64E-01	4.97E-01
309.17451	287.46	17.92	20.03	20.53	18.93	1.60E-65	5.11E-15	5.11E-15	4.42E-14	7.19E-05	4.29E-14	5.11E-15
309.1747	154.12	19.61	19.12	18.40	20.34	4.38E-10	2.51E-01	3.56E-05	3.56E-02	3.88E-02	9.86E-05	1.31E-10
309.20695	185.77	18.57	16.75	17.10	17.42	2.25E-21	3.93E-14	5.08E-14	3.30E-09	1.82E-01	1.39E-03	2.83E-01
309.22284	233.45	16.48	14.46	15.76	15.80	3.29E-15	4.39E-14	6.31E-03	1.64E-02	1.84E-07	1.85E-07	9.98E-01
309.24395	172.09	15.59	13.37	13.76	14.59	1.11E-16	4.29E-14	1.31E-11	6.70E-04	4.03E-01	2.90E-05	8.50E-03
309.27125	276.14	21.30	20.45	20.83	20.96	2.00E-08	2.71E-09	1.78E-03	5.96E-02	2.50E-02	1.35E-03	7.52E-01
309.28032	295.53	20.68	21.21	22.29	20.88	3.22E-06	3.24E-01	2.77E-06	9.22E-01	4.82E-03	7.48E-01	1.48E-04
309.9483	23.32	14.73	15.04	14.32	14.47	3.35E-02	6.06E-01	3.51E-01	7.26E-01	2.72E-02	1.32E-01	9.48E-01
309.96948	25.76	14.26	14.94	14.28	14.36	6.99E-03	1.03E-02	1.00E+00	9.71E-01	1.62E-02	5.60E-02	9.85E-01
310.00143	20.76	13.66	15.42	13.45	13.97	2.35E-05	2.01E-04	9.57E-01	8.80E-01	3.55E-05	6.41E-03	6.22E-01
310.02478	18.29	17.32	18.82	18.26	17.83	5.33E-06	2.00E-06	5.51E-03	3.07E-01	2.22E-01	6.15E-03	4.67E-01

310.0822	49.7	14.05	17.89	12.02	12.79	3.28E-79	5.11E-15	4.04E-14	1.54E-08	5.11E-15	5.11E-15	1.53E-03
310.09151	30.59	20.97	23.11	21.97	21.56	2.24E-31	5.11E-15	7.69E-10	9.05E-04	1.57E-11	4.43E-14	4.57E-02
310.11095	29.23	14.56	16.40	13.08	13.55	1.65E-86	5.11E-15	5.11E-15	4.31E-14	5.11E-15	5.11E-15	9.10E-05
310.11521	26.13	16.22	14.51	15.10	15.51	1.98E-08	5.16E-09	1.99E-04	4.79E-02	1.33E-01	2.69E-03	4.69E-01
310.12652	25.03	12.05	15.49	12.00	12.85	4.81E-06	1.94E-05	1.00E+00	7.06E-01	2.11E-05	3.34E-03	6.72E-01
310.15167	27.9	16.11	15.42	14.37	14.39	1.69E-06	2.25E-01	1.27E-05	3.78E-05	2.45E-02	3.89E-02	1.00E+00
310.17792	143.71	16.55	16.22	15.51	16.98	9.20E-07	5.31E-01	2.39E-04	3.56E-01	3.35E-02	2.24E-02	4.24E-07
310.23921	116.85	15.74	12.26	13.13	14.08	1.26E-30	5.11E-15	4.04E-14	7.54E-09	5.32E-03	8.15E-10	2.77E-03
310.28357	300.42	17.21	18.98	19.99	18.35	1.89E-07	1.12E-03	4.34E-08	8.51E-02	1.46E-01	5.77E-01	4.86E-03
310.79452	91.12	15.95	16.79	16.99	16.91	2.06E-17	1.16E-10	4.45E-14	1.01E-12	3.56E-01	7.82E-01	9.14E-01
310.85845	60.34	15.36	12.53	15.52	15.32	1.71E-27	2.69E-14	9.28E-01	9.99E-01	1.71E-14	4.04E-14	8.90E-01
310.87284	42.61	17.60	17.03	17.53	16.80	7.44E-09	2.38E-04	9.59E-01	1.98E-07	2.06E-03	3.79E-01	3.48E-06
310.88372	45.29	9.84	13.28	13.18	10.75	3.60E-09	3.16E-07	5.61E-07	4.62E-01	9.98E-01	6.79E-04	1.09E-03
310.90051	48.69	20.47	19.67	20.07	20.65	1.25E-05	3.70E-04	1.68E-01	7.99E-01	1.95E-01	2.17E-05	2.47E-02
310.95679	44.89	13.86	13.91	14.61	13.89	7.15E-02	9.98E-01	9.14E-02	9.99E-01	1.51E-01	1.00E+00	1.54E-01
310.97954	22.63	13.64	12.13	14.56	15.42	7.85E-09	1.17E-02	2.28E-01	2.39E-03	1.17E-05	5.05E-09	3.24E-01
311.02826	18.06	17.79	19.87	18.85	17.88	1.02E-08	4.88E-08	1.20E-02	9.94E-01	2.28E-02	8.61E-07	3.96E-02
311.05057	31.07	16.78	15.86	15.80	16.23	4.56E-05	3.50E-04	9.57E-05	8.29E-02	9.93E-01	4.05E-01	2.60E-01
311.06926	27.97	16.58	15.04	15.39	15.18	1.18E-14	4.29E-13	1.21E-08	9.55E-11	2.85E-01	9.04E-01	7.20E-01
311.08494	62.56	8.85	22.24	10.34	9.24	1.78E-83	5.11E-15	7.36E-03	8.44E-01	5.11E-15	5.11E-15	1.09E-01
311.09378	41.64	12.79	18.93	14.06	13.38	2.89E-45	5.11E-15	2.05E-03	3.73E-01	5.11E-15	5.11E-15	2.55E-01
311.09988	242.07	17.95	17.73	17.82	17.30	1.34E-01	8.55E-01	9.62E-01	9.83E-02	9.90E-01	4.44E-01	2.73E-01
311.15139	161.39	15.27	14.60	14.51	14.51	2.03E-06	2.51E-04	1.96E-05	3.74E-05	9.48E-01	9.48E-01	1.00E+00
311.16365	198.75	16.41	14.97	15.67	15.56	1.77E-04	4.40E-05	8.00E-02	4.12E-02	1.36E-01	2.95E-01	9.87E-01
311.16895	288.22	19.33	20.53	21.06	20.09	9.44E-48	5.11E-15	5.11E-15	1.96E-13	2.16E-07	4.78E-05	4.16E-14
311.16925	145.43	21.05	21.45	20.73	21.43	1.03E-03	1.75E-01	3.60E-01	2.42E-01	2.27E-03	9.99E-01	4.56E-03
311.17628	225.68	16.69	15.81	15.54	16.45	4.26E-07	4.25E-04	1.52E-06	6.96E-01	6.24E-01	3.07E-02	5.62E-04
311.18498	171.37	14.82	14.52	14.22	14.22	5.28E-03	4.03E-01	9.84E-03	1.31E-02	4.19E-01	4.39E-01	1.00E+00
311.20213	219.82	14.28	13.67	15.47	12.05	4.20E-24	1.11E-01	9.41E-05	4.40E-13	3.22E-09	2.94E-07	7.33E-15
311.22348	237.24	19.42	18.55	18.74	18.61	1.27E-09	1.22E-08	1.15E-05	2.80E-07	5.12E-01	9.74E-01	7.94E-01
311.25963	192.2	17.10	16.05	16.40	16.45	1.78E-10	4.23E-11	1.25E-05	1.03E-04	8.53E-02	4.86E-02	9.90E-01
311.28691	297.82	15.41	14.90	16.30	15.04	4.18E-06	2.50E-01	6.22E-03	5.57E-01	6.30E-06	9.62E-01	9.57E-05
311.29586	277.66	17.54	17.33	17.52	17.37	4.38E-02	8.34E-02	9.96E-01	2.25E-01	1.49E-01	9.79E-01	3.43E-01
311.90204	57.36	15.64	15.36	15.34	15.39	4.25E-01	5.28E-01	4.48E-01	6.48E-01	9.99E-01	9.99E-01	9.94E-01
311.95454	28.77	17.38	18.20	18.21	18.04	2.91E-23	4.22E-14	4.17E-14	1.02E-12	1.00E+00	2.33E-01	1.84E-01
311.97563	34.15	13.05	12.03	12.07	13.44	9.22E-02	3.99E-01	4.25E-01	9.32E-01	1.00E+00	1.66E-01	1.79E-01
312.01972	33.04	14.51	15.98	15.36	16.60	5.63E-21	2.79E-12	7.11E-05	3.66E-14	8.57E-03	1.32E-02	1.61E-08
312.02788	19.92	16.92	18.82	18.71	18.40	1.18E-31	5.33E-15	6.66E-15	4.15E-14	8.96E-01	4.36E-02	1.99E-01
312.08791	32.51	15.89	18.77	16.62	16.23	4.82E-31	5.11E-15	3.92E-03	4.01E-01	4.29E-14	2.22E-14	3.17E-01
312.09586	24.71	21.15	22.59	22.48	21.56	1.70E-06	1.70E-05	7.26E-05	5.29E-01	9.83E-01	7.57E-03	2.08E-02
312.17234	290.71	15.07	17.17	17.54	16.60	3.49E-24	4.42E-14	1.82E-14	6.23E-10	3.44E-01	7.32E-02	3.61E-04
312.1726	131.32	18.56	18.63	17.76	18.67	7.38E-05	9.88E-01	1.20E-03	9.59E-01	5.34E-04	9.98E-01	3.98E-04
312.22666	179.36	17.88	16.91	17.00	17.21	3.45E-11	3.27E-10	8.18E-09	3.23E-05	9.26E-01	1.88E-01	4.87E-01
312.23076	272.84	18.63	17.28	17.63	16.97	1.27E-08	3.43E-06	8.88E-04	2.20E-08	5.58E-01	6.92E-01	8.32E-02
312.25499	159.28	17.93	17.17	17.87	17.43	6.70E-11	2.15E-09	9.67E-01	1.89E-04	5.07E-08	1.56E-01	1.41E-03

312.46454	16.78	13.25	13.70	14.85	12.78	1.14E-08	4.80E-01	3.82E-06	4.61E-01	2.42E-03	2.98E-02	1.00E-08
312.79203	91.89	14.97	15.25	15.48	15.51	1.25E-03	2.34E-01	3.80E-03	2.68E-03	4.46E-01	3.51E-01	9.96E-01
312.81023	82.16	16.33	16.68	17.12	17.01	9.02E-15	2.02E-03	1.13E-13	3.59E-10	6.57E-05	7.00E-03	6.91E-01
312.82311	288.15	17.45	18.25	18.07	18.59	2.09E-14	1.73E-08	1.75E-05	5.18E-14	4.95E-01	6.34E-02	7.58E-04
312.82353	213.94	16.35	13.40	12.39	15.28	4.14E-23	3.93E-13	3.04E-14	2.57E-02	3.70E-02	1.34E-05	7.64E-12
312.86504	27.48	15.34	14.78	15.18	14.84	3.02E-01	3.47E-01	9.67E-01	4.75E-01	6.42E-01	9.98E-01	7.64E-01
312.87019	35.93	16.18	15.79	15.31	14.97	3.34E-12	5.92E-02	3.37E-07	8.01E-12	1.64E-02	9.63E-06	1.71E-01
312.8777	58.96	16.46	14.87	17.35	17.31	1.38E-38	4.31E-14	5.52E-07	4.93E-06	5.11E-15	5.11E-15	9.94E-01
312.88582	24.1	15.77	17.29	17.67	16.96	8.12E-28	4.40E-14	5.33E-15	3.73E-12	6.46E-02	1.77E-01	6.98E-05
312.89556	81.51	18.05	16.14	17.79	17.52	7.55E-23	2.64E-14	4.36E-01	1.67E-02	4.41E-14	7.02E-12	4.40E-01
312.93786	70.95	16.84	15.06	16.69	18.11	1.16E-34	4.30E-14	8.40E-01	1.54E-09	5.51E-14	5.11E-15	3.31E-11
312.94884	22.37	13.60	11.62	13.25	14.54	1.21E-09	8.64E-06	8.08E-01	1.06E-01	5.26E-04	3.02E-10	1.23E-02
312.97404	84.38	15.38	14.40	14.03	15.25	5.27E-07	1.72E-03	3.94E-06	9.65E-01	5.16E-01	1.49E-02	1.04E-04
313.02212	52.73	15.34	14.88	16.80	16.92	3.49E-23	1.06E-01	5.58E-11	9.03E-12	4.26E-14	4.27E-14	9.48E-01
313.03147	30.87	14.86	14.82	14.70	14.32	3.60E-01	9.99E-01	9.54E-01	3.42E-01	9.82E-01	4.39E-01	6.62E-01
313.04535	18.29	14.94	14.52	16.28	16.26	3.87E-08	5.76E-01	4.01E-04	9.06E-04	2.80E-06	8.63E-06	1.00E+00
313.07887	269.59	15.57	16.74	18.32	16.16	9.94E-14	2.70E-03	8.35E-14	3.04E-01	3.25E-05	3.46E-01	1.46E-08
313.08563	38.16	14.65	14.27	14.28	13.21	1.69E-02	8.28E-01	8.31E-01	9.45E-03	1.00E+00	1.08E-01	1.00E-01
313.09333	144.21	14.93	14.45	14.72	14.80	7.17E-03	3.37E-03	4.12E-01	8.11E-01	2.27E-01	7.35E-02	9.34E-01
313.09339	26.55	14.49	15.72	15.80	15.18	6.46E-04	2.86E-03	1.11E-03	2.23E-01	9.96E-01	4.54E-01	3.23E-01
313.09932	23.26	18.47	19.22	19.20	18.40	2.19E-03	3.07E-02	3.73E-02	9.94E-01	1.00E+00	2.29E-02	2.78E-02
313.11411	27.67	13.49	13.39	13.44	14.32	3.72E-02	9.91E-01	9.99E-01	8.68E-02	9.99E-01	5.10E-02	7.04E-02
313.12043	25.07	15.90	17.49	17.59	17.67	3.45E-15	1.37E-10	8.17E-12	4.34E-12	9.79E-01	8.83E-01	9.84E-01
313.12988	154.34	15.30	14.89	15.15	14.93	9.34E-03	1.36E-02	6.90E-01	4.07E-02	2.22E-01	9.91E-01	3.95E-01
313.13012	28.18	16.06	16.67	16.81	16.16	5.37E-08	1.17E-04	8.38E-07	8.73E-01	7.43E-01	4.49E-03	9.48E-05
313.16543	143.73	17.03	16.91	16.40	17.00	1.51E-03	8.98E-01	2.08E-03	9.98E-01	2.61E-02	9.59E-01	6.94E-03
313.17596	144.46	14.71	14.30	13.04	14.49	2.25E-05	6.63E-01	2.18E-05	9.36E-01	3.26E-03	9.56E-01	6.79E-04
313.19272	251.02	17.11	16.83	16.79	17.35	1.12E-02	4.05E-01	2.76E-01	5.57E-01	9.96E-01	3.23E-02	1.62E-02
313.20264	159.93	16.19	15.45	15.70	15.69	6.36E-07	2.08E-07	1.11E-03	1.36E-03	2.20E-01	2.82E-01	1.00E+00
313.2176	208.18	16.45	14.99	16.33	15.75	3.03E-16	4.87E-14	9.01E-01	4.33E-04	1.15E-12	1.43E-04	6.06E-03
313.23884	257.22	19.56	18.78	18.85	18.83	5.76E-10	2.42E-08	2.63E-07	3.51E-07	9.59E-01	9.86E-01	9.99E-01
313.25838	167.2	15.48	13.88	14.86	14.54	1.93E-22	1.49E-14	7.39E-05	2.21E-09	2.61E-10	5.88E-05	1.24E-01
313.27531	189.32	15.91	15.03	14.55	15.00	1.35E-19	9.78E-10	4.09E-14	6.13E-10	2.42E-03	9.95E-01	7.51E-03
313.93393	35.87	16.01	16.30	16.13	15.58	4.40E-05	1.86E-01	8.23E-01	1.85E-02	6.69E-01	1.93E-05	1.49E-03
313.94328	40.41	18.34	19.91	20.09	19.35	2.10E-34	5.33E-15	5.11E-15	1.23E-12	5.15E-01	1.80E-04	3.19E-07
314.01944	29.63	17.98	19.06	18.57	19.35	1.30E-13	3.90E-09	2.73E-03	5.53E-13	2.14E-02	3.65E-01	7.43E-05
314.02924	21	14.41	15.80	16.11	16.00	1.78E-21	3.14E-13	4.51E-14	4.29E-14	2.84E-01	6.79E-01	9.28E-01
314.04101	34.57	15.82	15.04	14.95	15.24	2.01E-05	2.55E-04	3.44E-05	1.55E-02	9.74E-01	7.34E-01	4.70E-01
314.07542	21.11	14.29	15.58	15.37	15.27	1.67E-04	2.07E-04	2.60E-03	1.09E-02	9.02E-01	7.69E-01	9.90E-01
314.10121	26.1	15.46	14.00	15.44	14.98	4.46E-03	6.15E-03	1.00E+00	7.25E-01	8.82E-03	1.51E-01	7.62E-01
314.12038	23.98	16.85	16.24	16.41	16.86	6.99E-03	1.93E-02	1.48E-01	1.00E+00	8.49E-01	2.92E-02	1.84E-01
314.17298	28.08	9.18	15.97	8.48	8.97	4.26E-121	5.11E-15	1.66E-04	6.03E-01	5.11E-15	5.11E-15	2.57E-02
314.21662	176.38	14.25	14.90	15.27	13.81	1.69E-07	4.86E-02	3.05E-04	3.05E-01	4.65E-01	2.68E-04	3.54E-07
314.24287	161.84	16.24	15.30	15.49	15.81	1.23E-03	1.00E-03	1.27E-02	3.26E-01	8.74E-01	2.05E-01	6.00E-01
314.24603	299.15	15.77	15.91	16.64	15.59	1.54E-02	9.78E-01	4.59E-02	9.47E-01	1.40E-01	7.97E-01	1.49E-02

314.80746	86.66	15.04	15.16	15.60	15.50	5.20E-03	9.00E-01	8.64E-03	5.70E-02	7.55E-02	2.70E-01	9.50E-01
314.86195	30.89	15.31	14.11	15.02	14.27	1.31E-04	4.50E-04	7.74E-01	4.54E-03	1.50E-02	9.55E-01	7.61E-02
314.87572	77.06	15.26	14.89	15.77	15.95	4.01E-11	6.07E-02	2.98E-03	5.54E-05	9.26E-08	6.00E-10	6.77E-01
314.88426	30.23	14.23	15.48	15.49	14.71	4.30E-05	3.20E-04	2.47E-04	4.10E-01	1.00E+00	8.14E-02	7.32E-02
314.8923	118.2	14.75	12.21	13.51	14.37	3.21E-17	4.14E-14	4.25E-05	5.14E-01	2.98E-05	9.26E-12	1.58E-02
314.90649	19.12	16.64	16.72	16.89	16.99	1.56E-01	9.63E-01	4.10E-01	1.62E-01	7.31E-01	3.99E-01	9.40E-01
314.92757	34.76	16.04	15.99	16.25	16.07	3.76E-01	9.84E-01	5.23E-01	9.97E-01	3.39E-01	9.52E-01	6.90E-01
314.96907	162.5	14.78	11.36	11.26	14.14	8.66E-24	4.17E-14	4.24E-14	3.22E-01	9.93E-01	6.47E-11	9.04E-12
314.96934	34.83	16.71	18.13	18.13	17.78	9.48E-21	4.17E-14	4.27E-14	2.38E-10	1.00E+00	1.20E-01	1.16E-01
315.02544	27.51	17.78	18.43	18.08	18.03	1.29E-05	2.26E-06	7.74E-02	2.19E-01	2.92E-02	1.21E-02	9.79E-01
315.04341	34.05	18.89	18.49	19.01	18.33	3.93E-02	3.97E-01	9.68E-01	1.53E-01	1.97E-01	9.43E-01	6.23E-02
315.09611	40.89	15.17	21.32	15.13	14.61	5.82E-72	5.11E-15	9.99E-01	1.74E-01	5.11E-15	5.11E-15	2.38E-01
315.14418	21.68	12.96	14.87	15.44	13.32	5.05E-10	1.83E-05	1.07E-08	8.16E-01	4.98E-01	1.63E-03	4.66E-06
315.14517	156.82	14.18	14.62	15.08	14.24	3.68E-04	2.09E-01	4.73E-04	9.94E-01	1.98E-01	3.83E-01	2.70E-03
315.1815	285.62	14.25	17.05	17.30	16.62	2.24E-33	6.00E-15	5.11E-15	4.09E-14	6.97E-01	2.75E-01	2.25E-02
315.18154	169.55	16.91	17.00	17.70	16.48	4.70E-15	9.02E-01	2.44E-08	7.58E-03	1.89E-06	1.07E-03	4.24E-14
315.19733	26.7	19.14	17.51	18.62	19.94	2.37E-08	6.67E-05	4.71E-01	1.40E-01	1.59E-02	7.13E-09	3.32E-03
315.21058	239.83	19.39	18.13	18.34	18.86	1.19E-30	5.11E-15	2.69E-14	1.22E-06	1.55E-01	7.58E-11	3.32E-06
315.21903	175.04	16.29	16.91	16.83	15.97	3.80E-12	1.64E-05	1.98E-04	8.45E-02	9.30E-01	3.81E-10	7.70E-09
315.23334	228.2	22.78	22.13	22.34	22.03	3.07E-10	7.47E-08	4.14E-04	1.66E-09	2.45E-01	8.41E-01	4.18E-02
315.25427	273.59	18.95	18.66	18.81	19.09	3.28E-03	5.60E-02	6.12E-01	6.06E-01	5.61E-01	2.11E-03	8.58E-02
315.70235	233.1	15.50	13.66	14.32	15.92	6.76E-10	9.79E-07	3.17E-03	6.43E-01	2.28E-01	1.12E-08	7.50E-05
315.94121	34.41	13.81	14.68	15.00	14.03	3.44E-07	7.67E-04	1.14E-06	7.76E-01	4.93E-01	3.18E-02	2.66E-04
315.94922	35.96	17.88	18.15	18.32	17.51	5.64E-05	3.91E-01	4.55E-02	1.33E-01	7.50E-01	2.07E-03	3.81E-05
315.98833	24.27	16.24	16.09	16.37	17.01	5.58E-04	9.06E-01	9.30E-01	3.32E-03	5.96E-01	4.45E-04	2.49E-02
316.01481	44.08	10.06	11.50	12.56	14.03	3.06E-09	6.32E-02	1.08E-04	1.05E-09	2.74E-01	2.78E-04	7.56E-02
316.03986	20.84	19.14	20.30	20.28	20.29	2.80E-28	2.49E-14	2.93E-14	3.49E-14	9.95E-01	9.99E-01	9.99E-01
316.08125	19.98	15.10	16.58	16.57	16.73	8.78E-18	8.10E-13	6.30E-13	5.95E-14	1.00E+00	8.55E-01	8.38E-01
316.09845	53.88	14.58	17.91	12.87	13.44	5.57E-113	5.11E-15	5.11E-15	4.27E-14	5.11E-15	5.11E-15	1.33E-05
316.10339	172.17	10.79	6.38	16.35	9.31	6.22E-34	7.09E-10	5.04E-14	1.23E-01	5.11E-15	1.75E-04	3.93E-14
316.1175	28.77	16.03	15.53	15.29	14.98	2.50E-03	2.65E-01	3.44E-02	1.41E-03	8.24E-01	2.33E-01	7.09E-01
316.14648	25.31	17.81	18.26	18.14	18.00	3.24E-02	2.23E-02	1.51E-01	6.11E-01	8.68E-01	4.15E-01	8.53E-01
316.17162	26.86	19.13	18.02	18.15	17.78	3.80E-15	1.52E-10	1.31E-08	9.10E-14	8.40E-01	4.65E-01	1.06E-01
316.20065	25.51	16.67	14.56	15.56	17.27	3.62E-12	3.37E-08	7.71E-03	3.44E-01	2.76E-02	2.03E-11	2.78E-05
316.2372	233.61	20.42	19.70	19.94	19.57	3.12E-12	5.51E-09	1.10E-04	1.49E-11	1.82E-01	6.57E-01	1.03E-02
316.24962	215.41	13.61	12.67	11.96	14.97	1.00E-15	1.97E-02	3.43E-06	2.99E-04	1.46E-01	6.11E-10	4.44E-14
316.60522	171.97	13.38	11.69	13.84	12.13	4.44E-62	5.11E-15	3.02E-05	5.77E-15	5.11E-15	1.56E-04	5.11E-15
316.85476	78.47	15.17	15.38	16.26	15.99	5.06E-16	3.84E-01	7.15E-14	2.42E-08	1.53E-09	7.99E-05	1.99E-01
316.86454	86.08	15.34	13.78	14.86	15.50	2.75E-12	2.87E-10	1.39E-01	8.99E-01	2.79E-05	4.51E-11	3.52E-02
316.88938	143.92	16.92	15.92	15.35	17.09	5.58E-15	4.20E-05	2.66E-11	8.56E-01	4.80E-02	3.67E-06	2.46E-12
316.90125	23.95	14.52	12.23	12.60	11.55	6.65E-05	2.30E-03	1.39E-02	5.40E-05	9.43E-01	7.40E-01	3.96E-01
316.90658	32.97	16.96	17.69	18.03	17.83	5.53E-13	1.20E-06	1.08E-12	1.56E-08	8.65E-02	7.76E-01	5.34E-01
316.90749	194.19	15.27	15.97	15.95	15.69	8.10E-14	7.01E-12	1.14E-11	8.87E-05	9.99E-01	2.46E-02	3.43E-02
316.92736	153.75	16.09	16.17	15.72	16.50	9.91E-04	9.73E-01	1.63E-01	1.24E-01	7.20E-02	3.07E-01	2.92E-04
316.92767	60.19	19.49	18.36	18.00	18.28	2.32E-19	1.59E-11	4.31E-14	2.78E-12	9.74E-02	9.67E-01	2.80E-01

316.94846	37.82	21.81	23.94	23.88	23.82	2.67E-29	1.44E-14	1.87E-14	3.84E-14	9.91E-01	9.30E-01	9.88E-01
316.98322	30.1	18.04	16.47	16.26	17.42	5.92E-16	2.83E-11	8.66E-14	2.83E-02	7.77E-01	2.15E-04	3.04E-06
317.03715	161.17	17.22	14.89	15.25	14.66	1.58E-24	4.33E-14	5.22E-14	3.44E-14	4.49E-01	7.79E-01	7.93E-02
317.08219	167.49	15.19	14.20	14.23	14.62	5.60E-23	3.96E-14	4.14E-14	1.24E-07	9.88E-01	3.15E-04	9.32E-04
317.10247	164.01	9.97	6.16	16.38	5.75	1.82E-55	3.04E-11	5.77E-15	9.27E-13	5.11E-15	8.79E-01	5.11E-15
317.12746	289.15	17.35	14.13	12.90	14.57	1.23E-19	1.29E-11	4.11E-14	1.20E-08	3.10E-02	7.66E-01	1.68E-03
317.13044	26.5	14.27	14.60	14.66	14.58	3.26E-01	4.73E-01	3.28E-01	5.56E-01	9.96E-01	1.00E+00	9.89E-01
317.13646	199.24	16.23	13.65	14.35	14.29	6.32E-10	6.66E-10	7.25E-06	7.48E-06	2.78E-01	3.95E-01	9.98E-01
317.16108	157.75	15.03	14.26	14.11	14.22	2.50E-06	2.68E-04	7.30E-06	1.97E-04	8.68E-01	9.98E-01	9.40E-01
317.21266	186.39	18.38	16.79	16.33	16.47	5.66E-22	1.04E-12	4.31E-14	4.37E-14	1.23E-01	4.42E-01	9.15E-01
317.22563	269.63	20.97	19.95	19.94	20.67	1.95E-17	2.99E-13	1.50E-13	9.30E-02	1.00E+00	1.08E-06	6.53E-07
317.2397	235.04	16.03	15.03	15.12	13.88	1.59E-14	1.56E-04	6.60E-04	4.33E-14	9.80E-01	2.88E-05	4.19E-06
317.24904	252.79	21.01	19.85	20.44	20.39	2.94E-19	3.66E-14	1.90E-06	4.65E-07	1.69E-06	3.10E-05	9.68E-01
317.60423	164.46	13.42	11.73	14.08	12.18	1.26E-70	5.11E-15	8.97E-11	5.11E-15	5.11E-15	3.57E-05	5.11E-15
317.8997	22.47	17.32	15.76	15.93	16.37	6.58E-06	1.22E-05	1.04E-04	2.20E-02	9.54E-01	2.69E-01	5.51E-01
317.93037	34.51	14.16	15.42	15.33	15.80	8.09E-09	1.03E-05	3.97E-05	1.29E-08	9.87E-01	4.91E-01	2.97E-01
317.94161	30.35	16.92	17.41	17.53	16.99	2.55E-04	1.59E-02	1.02E-03	9.80E-01	8.70E-01	6.91E-02	7.80E-03
317.95182	38.32	17.38	19.52	19.50	19.42	1.64E-31	7.33E-15	7.55E-15	2.33E-14	9.99E-01	9.44E-01	9.74E-01
317.98015	29.49	14.08	14.78	14.77	14.36	1.58E-02	3.20E-02	3.17E-02	7.05E-01	1.00E+00	4.00E-01	4.05E-01
318.00453	25.89	15.06	15.32	15.48	15.69	1.97E-01	8.05E-01	4.71E-01	1.51E-01	9.53E-01	6.24E-01	8.95E-01
318.03374	30.26	13.68	16.23	16.52	15.32	2.15E-42	5.11E-15	5.11E-15	4.32E-14	3.48E-01	1.04E-05	2.13E-09
318.06199	21.96	17.92	18.06	18.53	18.44	2.24E-04	7.90E-01	5.63E-04	7.87E-03	1.87E-02	1.12E-01	9.33E-01
318.12248	290.09	16.29	11.59	11.37	12.51	1.71E-43	5.11E-15	5.11E-15	7.77E-15	8.98E-01	2.42E-02	2.56E-03
318.15847	286.11	13.20	17.50	15.03	17.70	2.35E-26	3.35E-14	4.15E-05	2.86E-14	3.87E-08	9.65E-01	6.54E-09
318.21601	170.55	15.18	12.98	12.50	12.44	2.35E-13	7.80E-08	4.15E-11	6.63E-11	5.95E-01	5.15E-01	9.98E-01
318.22917	265.06	18.18	16.50	16.79	17.85	6.07E-07	5.27E-06	1.96E-04	7.66E-01	8.32E-01	8.81E-04	1.33E-02
318.25244	247.65	18.60	17.19	17.90	17.96	1.26E-24	5.77E-15	1.42E-08	5.83E-07	2.41E-08	5.13E-09	9.62E-01
318.8313	22.11	13.46	12.96	13.20	13.87	1.75E-01	5.93E-01	9.09E-01	7.53E-01	9.38E-01	1.39E-01	3.76E-01
318.83877	133.74	15.27	15.38	15.37	16.01	4.70E-03	9.51E-01	9.69E-01	4.42E-03	1.00E+00	2.81E-02	2.10E-02
318.8649	82.81	18.08	18.04	18.24	18.10	1.80E-01	9.80E-01	2.95E-01	9.92E-01	1.60E-01	9.18E-01	5.08E-01
318.88582	54.42	23.11	22.67	23.58	23.20	1.31E-10	1.74E-03	4.93E-04	8.81E-01	1.05E-11	2.29E-04	1.30E-02
318.90481	88.33	14.26	14.53	14.67	14.90	8.60E-03	4.57E-01	1.16E-01	4.26E-03	8.84E-01	2.21E-01	6.11E-01
318.90507	196.93	15.61	15.88	16.15	15.82	2.65E-14	9.92E-05	4.31E-14	5.31E-03	1.49E-04	7.96E-01	3.95E-06
318.9287	25.29	12.83	13.74	13.37	13.25	7.38E-02	4.16E-02	3.93E-01	6.35E-01	7.06E-01	5.22E-01	9.88E-01
318.94315	37.84	19.58	19.93	19.89	19.96	6.09E-04	3.66E-03	1.02E-02	1.65E-03	9.87E-01	9.90E-01	9.21E-01
318.95257	43.78	15.75	17.56	17.51	17.49	2.78E-26	3.49E-14	3.92E-14	4.33E-14	9.92E-01	9.82E-01	1.00E+00
318.98043	26.37	16.37	16.60	16.28	16.37	2.25E-01	4.32E-01	9.43E-01	1.00E+00	1.81E-01	4.95E-01	9.45E-01
318.99324	31.27	15.19	15.00	14.64	14.81	1.10E-01	8.44E-01	8.27E-02	4.01E-01	4.32E-01	8.79E-01	8.87E-01
319.0455	32.17	16.71	20.51	18.22	17.98	1.70E-48	5.11E-15	5.90E-13	3.89E-09	1.04E-14	5.33E-15	6.29E-01
319.07905	26.63	15.23	14.94	14.88	15.23	4.06E-01	6.90E-01	5.24E-01	1.00E+00	9.95E-01	7.17E-01	5.61E-01
319.14286	290.02	16.87	13.97	12.92	13.66	1.18E-15	7.72E-09	4.75E-14	4.54E-10	1.14E-01	9.16E-01	4.16E-01
319.18932	185.56	16.27	13.26	13.45	14.52	3.64E-25	2.53E-14	3.93E-14	9.72E-09	8.95E-01	9.46E-05	1.23E-03
319.22845	108.73	25.14	23.61	24.81	25.26	1.30E-10	5.36E-09	5.14E-01	9.57E-01	9.19E-06	2.17E-09	2.73E-01
319.24152	297.3	15.30	14.74	15.49	15.29	9.54E-02	2.46E-01	9.21E-01	1.00E+00	7.21E-02	3.15E-01	9.17E-01
319.26463	267.14	18.64	17.74	18.10	18.22	2.52E-05	5.55E-06	1.37E-02	1.07E-01	1.95E-01	5.22E-02	9.14E-01

319.93822	30.56	14.99	15.33	15.38	14.86	4.11E-02	3.35E-01	2.24E-01	9.31E-01	9.97E-01	1.31E-01	7.91E-02
319.95266	19.69	14.04	16.19	15.89	15.55	8.67E-13	5.43E-12	1.94E-09	2.60E-06	7.25E-01	1.47E-01	6.71E-01
319.96228	20.28	15.93	18.70	18.63	18.45	1.03E-36	5.11E-15	5.11E-15	7.33E-15	9.87E-01	6.49E-01	8.31E-01
319.97725	33.38	15.91	16.03	17.11	15.03	4.61E-08	9.84E-01	8.03E-04	3.06E-02	4.30E-03	1.40E-02	5.85E-09
320.01459	23.86	13.06	14.25	14.58	13.63	2.51E-05	1.80E-03	2.34E-05	3.16E-01	7.44E-01	2.78E-01	2.86E-02
320.04969	62.38	9.00	16.15	6.95	7.71	1.53E-49	5.11E-15	2.06E-04	5.35E-02	5.11E-15	5.11E-15	4.48E-01
320.0596	22	16.36	15.23	16.26	16.06	5.77E-05	7.08E-05	9.79E-01	6.71E-01	4.85E-04	1.01E-02	8.82E-01
320.07609	24.04	15.24	18.30	18.09	17.18	1.93E-44	5.11E-15	5.11E-15	4.17E-14	6.74E-01	1.74E-07	2.67E-05
320.23184	107.3	22.97	21.25	22.47	23.06	5.10E-12	1.74E-10	1.72E-01	9.86E-01	1.23E-05	2.05E-10	1.05E-01
320.2712	267.07	18.65	17.63	17.82	17.37	6.45E-10	8.17E-07	7.55E-05	1.11E-09	7.47E-01	5.38E-01	9.40E-02
320.82281	73.13	20.70	21.60	21.82	21.42	1.55E-22	4.56E-14	2.64E-14	6.13E-10	1.49E-01	3.30E-01	1.16E-03
320.83581	93.46	15.97	14.46	15.30	15.91	8.80E-26	1.47E-14	3.01E-06	9.70E-01	1.23E-08	3.91E-14	7.53E-05
320.84402	91.15	16.97	17.45	17.62	17.31	3.24E-10	4.02E-06	1.17E-10	2.62E-03	2.50E-01	5.03E-01	8.03E-03
320.86309	94.04	14.98	13.90	14.17	14.52	1.81E-07	1.24E-07	9.95E-05	7.53E-02	4.81E-01	9.77E-03	2.83E-01
320.88542	55.77	18.81	19.00	15.93	18.01	2.20E-18	9.34E-01	4.53E-14	8.86E-02	4.31E-14	2.42E-02	3.84E-08
320.90145	42.25	22.83	23.48	23.71	23.58	9.04E-39	1.80E-14	5.11E-15	5.33E-15	5.34E-04	4.14E-01	9.44E-02
320.91431	31.99	13.36	12.94	14.96	12.81	3.42E-05	8.05E-01	3.97E-03	6.63E-01	2.14E-04	9.94E-01	1.11E-04
320.93545	27.61	15.14	15.28	15.84	14.46	2.13E-06	9.26E-01	1.45E-02	2.71E-02	9.32E-02	5.71E-03	3.27E-07
320.94114	48.51	15.80	15.59	15.63	15.66	5.66E-01	5.33E-01	7.07E-01	8.16E-01	9.92E-01	9.74E-01	9.99E-01
321.04482	25.53	20.03	20.41	19.96	19.44	2.10E-03	3.66E-01	9.91E-01	6.95E-02	2.39E-01	6.46E-04	1.46E-01
321.11547	31.33	15.74	12.61	13.16	13.56	3.87E-12	1.10E-11	1.53E-08	5.22E-06	5.70E-01	1.38E-01	7.94E-01
321.12226	212.46	14.60	8.56	8.12	8.73	3.05E-47	5.11E-15	5.11E-15	5.11E-15	6.68E-01	9.79E-01	4.34E-01
321.13135	23.02	16.28	16.47	16.38	16.35	4.66E-01	3.81E-01	7.98E-01	9.17E-01	9.04E-01	8.11E-01	9.96E-01
321.20867	208.81	21.46	21.08	21.28	21.58	9.39E-06	5.73E-04	2.50E-01	6.22E-01	1.62E-01	9.47E-06	1.87E-02
321.21075	290.27	16.54	16.73	18.45	16.81	9.06E-16	8.36E-01	6.48E-14	6.51E-01	1.63E-11	9.87E-01	3.51E-10
321.23514	94.65	19.65	17.68	19.02	19.72	1.29E-13	5.60E-12	7.35E-02	9.93E-01	5.04E-06	1.26E-11	5.26E-02
321.24436	239.63	18.70	17.80	18.39	18.63	2.23E-10	5.05E-10	8.48E-02	9.53E-01	1.07E-04	6.02E-08	3.09E-01
321.28013	291.15	17.18	16.85	16.91	17.25	2.14E-02	1.15E-01	2.52E-01	9.63E-01	9.78E-01	4.91E-02	1.19E-01
321.82661	83.55	15.06	15.52	15.86	15.48	4.11E-08	1.93E-03	4.65E-09	7.46E-03	3.95E-02	9.91E-01	2.06E-02
321.90484	43.91	17.86	18.55	18.86	18.69	1.07E-41	1.78E-14	5.11E-15	5.11E-15	6.90E-06	1.36E-01	3.77E-02
322.02201	26.38	17.03	17.14	16.92	16.73	6.77E-03	7.81E-01	7.51E-01	4.87E-02	2.33E-01	4.08E-03	3.78E-01
322.20882	225.65	18.68	18.13	18.24	18.70	9.16E-07	5.33E-05	1.88E-03	9.97E-01	7.97E-01	6.46E-05	1.87E-03
322.23803	100.95	15.37	12.65	14.22	15.15	3.79E-13	1.56E-12	5.60E-03	9.27E-01	9.57E-05	6.12E-10	5.54E-02
322.24734	144	19.32	17.00	17.67	18.45	2.58E-16	4.37E-14	2.52E-09	5.57E-03	4.88E-02	9.49E-07	1.96E-02
322.82142	79.96	18.72	19.55	19.82	19.46	3.62E-20	1.46E-12	3.97E-14	8.30E-10	7.24E-02	8.33E-01	7.62E-03
322.83869	66.33	20.93	21.50	21.97	21.59	4.73E-24	1.95E-09	7.33E-15	1.96E-11	1.98E-06	7.88E-01	2.29E-04
322.85132	97.62	12.61	14.15	13.83	14.25	1.13E-04	6.57E-04	1.02E-02	3.51E-04	8.54E-01	9.94E-01	7.28E-01
322.86276	90.5	14.86	14.64	13.93	14.57	3.34E-05	6.79E-01	1.46E-05	4.55E-01	2.19E-03	9.82E-01	1.04E-02
322.87856	77.8	15.91	14.88	15.74	15.60	2.67E-16	4.25E-14	4.35E-01	4.03E-02	1.44E-11	4.70E-08	6.33E-01
322.8939	35.73	18.38	18.34	19.14	18.11	8.97E-07	9.96E-01	2.18E-04	4.84E-01	1.51E-04	6.39E-01	1.11E-06
322.89963	42.74	19.79	20.39	20.66	20.53	1.91E-40	2.62E-14	5.11E-15	5.11E-15	1.19E-05	8.48E-02	8.63E-02
322.90523	40.33	16.40	17.28	17.34	17.11	2.93E-36	5.11E-15	5.11E-15	3.95E-14	7.36E-01	8.38E-02	4.45E-03
322.91445	26.89	19.29	20.49	20.59	20.43	5.67E-25	4.31E-14	3.18E-14	4.35E-14	8.29E-01	9.74E-01	5.88E-01
322.95551	38.54	16.49	14.02	15.11	15.36	5.78E-10	5.26E-11	3.95E-04	8.39E-03	1.08E-02	1.44E-03	8.97E-01
322.97737	37.26	15.96	16.07	15.66	16.23	1.78E-01	9.73E-01	6.35E-01	7.11E-01	3.95E-01	9.23E-01	1.35E-01

323.02958	19.26	21.85	24.33	23.92	23.36	2.29E-24	1.71E-14	4.35E-14	6.71E-10	2.54E-01	2.18E-04	7.24E-02
323.04867	17.88	17.17	18.75	18.85	18.61	5.02E-28	3.04E-14	1.09E-14	4.31E-14	9.02E-01	7.95E-01	3.84E-01
323.07877	24.81	14.67	18.19	18.51	16.86	2.50E-60	5.11E-15	5.11E-15	7.77E-15	3.11E-01	1.43E-10	4.66E-14
323.10222	62.97	14.88	19.51	13.50	13.91	1.31E-147	5.11E-15	5.11E-15	4.29E-14	5.11E-15	5.11E-15	2.33E-04
323.13825	212.52	14.60	9.54	9.58	10.32	8.67E-28	1.91E-14	1.89E-14	4.19E-14	1.00E+00	3.41E-01	3.89E-01
323.14657	55.06	15.96	19.13	19.26	18.94	2.30E-33	6.00E-15	5.11E-15	1.98E-14	9.60E-01	9.09E-01	6.55E-01
323.16921	88.82	10.16	13.97	12.86	14.86	4.93E-09	1.98E-06	1.16E-03	8.14E-09	4.44E-01	6.49E-01	4.46E-02
323.19017	166.23	17.61	16.75	16.45	17.75	7.09E-09	9.48E-04	2.68E-06	9.22E-01	5.67E-01	1.87E-04	4.98E-07
323.2218	243.64	21.48	21.80	21.88	22.15	1.60E-11	8.80E-04	1.39E-05	2.08E-12	7.87E-01	7.74E-04	1.54E-02
323.25069	128.95	15.01	10.65	13.30	14.72	2.29E-17	4.29E-14	2.08E-03	9.35E-01	7.93E-07	2.78E-13	2.49E-02
323.25963	177.81	20.52	19.49	20.16	20.47	2.34E-12	1.33E-11	4.74E-02	9.86E-01	2.08E-05	9.19E-10	1.46E-01
323.84226	76.93	15.40	15.21	15.97	15.68	3.83E-12	2.35E-01	9.78E-08	2.67E-02	7.05E-12	5.56E-05	2.93E-02
323.89817	29.45	13.80	14.22	14.39	13.97	2.02E-01	4.79E-01	1.81E-01	9.40E-01	9.43E-01	8.53E-01	5.26E-01
323.90766	24.67	15.84	16.79	16.56	16.76	6.66E-13	3.18E-11	4.22E-07	3.31E-10	3.08E-01	9.97E-01	4.49E-01
323.91788	33.97	13.77	14.69	15.05	14.24	1.58E-05	2.81E-03	9.59E-06	2.92E-01	5.48E-01	3.64E-01	1.91E-02
324.02674	17.91	13.48	14.61	14.04	13.61	4.19E-03	3.64E-03	3.15E-01	9.79E-01	3.18E-01	2.18E-02	6.01E-01
324.09453	18.87	20.32	21.21	21.18	21.27	1.99E-18	1.12E-13	3.83E-13	5.20E-14	9.88E-01	9.59E-01	8.43E-01
324.19362	168.62	14.66	13.09	13.03	14.46	6.81E-11	2.31E-07	5.65E-08	8.91E-01	9.97E-01	2.64E-05	8.69E-06
324.22507	246.4	18.43	18.74	18.96	19.23	4.32E-12	1.26E-02	1.54E-06	1.93E-12	1.41E-01	3.61E-05	5.16E-02
324.25491	156.13	15.27	14.03	14.41	14.69	1.32E-14	4.73E-14	2.62E-08	5.73E-04	4.75E-02	9.54E-05	2.30E-01
324.26294	169.3	18.08	16.82	17.67	17.97	6.07E-14	2.78E-13	4.39E-02	9.10E-01	1.17E-06	1.57E-10	2.55E-01
324.29133	197.96	16.83	16.23	16.15	16.08	3.11E-04	9.71E-03	1.99E-03	8.19E-04	9.74E-01	8.67E-01	9.84E-01
324.81951	85.41	14.23	15.28	15.58	15.13	8.19E-06	6.86E-04	5.41E-06	6.98E-03	7.10E-01	9.49E-01	3.88E-01
324.8517	98.89	14.98	14.66	14.40	14.59	7.73E-03	2.21E-01	3.64E-03	1.02E-01	4.57E-01	9.77E-01	7.37E-01
324.89064	48.76	17.69	19.16	19.28	18.78	9.88E-16	2.67E-12	7.42E-14	4.64E-07	9.23E-01	2.32E-01	5.89E-02
324.91472	151.11	18.51	16.24	15.86	17.23	1.79E-40	5.11E-15	5.11E-15	1.04E-11	1.15E-01	4.02E-07	1.33E-12
324.93532	50.53	18.54	18.94	19.73	19.50	1.12E-19	7.47E-03	4.31E-14	3.56E-12	7.20E-09	1.08E-04	2.85E-01
324.95824	33.11	16.03	15.52	15.60	15.45	4.16E-02	9.60E-02	2.00E-01	4.90E-02	9.84E-01	9.88E-01	9.07E-01
325.03301	22.72	18.80	18.76	18.88	19.00	2.59E-01	9.93E-01	9.08E-01	3.52E-01	7.96E-01	2.48E-01	7.59E-01
325.05394	57.6	16.47	16.29	17.99	17.93	8.18E-18	8.53E-01	8.97E-11	1.48E-09	2.77E-12	5.14E-11	9.95E-01
325.08121	47.07	14.17	20.93	12.47	12.92	1.82E-95	5.11E-15	1.34E-10	7.45E-06	5.11E-15	5.11E-15	2.81E-01
325.09336	153.61	20.03	19.66	19.93	20.22	4.32E-01	6.71E-01	9.91E-01	9.38E-01	8.43E-01	3.60E-01	8.32E-01
325.0978	19.02	16.39	17.30	17.30	17.37	6.97E-09	1.27E-06	1.07E-06	3.70E-07	1.00E+00	9.82E-01	9.79E-01
325.10859	17.98	15.48	15.65	15.12	15.88	4.21E-02	9.09E-01	4.92E-01	4.39E-01	1.81E-01	8.42E-01	2.74E-02
325.1261	26.37	16.53	17.01	16.53	16.78	7.89E-02	1.05E-01	1.00E+00	6.61E-01	1.12E-01	7.21E-01	6.64E-01
325.16637	285.75	14.43	20.27	18.75	20.36	6.78E-46	5.11E-15	6.00E-15	5.11E-15	2.52E-04	9.95E-01	1.39E-04
325.1664	172.23	15.73	14.81	15.10	14.95	2.89E-07	4.23E-07	8.11E-04	3.96E-05	3.23E-01	8.54E-01	8.27E-01
325.1847	286.18	21.13	22.17	22.58	21.66	4.66E-55	5.11E-15	5.11E-15	1.77E-11	7.72E-08	2.34E-10	5.11E-15
325.2026	182.39	16.94	15.27	15.64	15.81	5.59E-24	1.60E-14	4.40E-14	6.74E-12	6.28E-02	3.06E-03	6.90E-01
325.21772	206.11	20.32	19.60	20.56	20.59	1.49E-15	1.61E-08	1.60E-01	1.25E-01	2.60E-13	4.06E-13	9.98E-01
325.23902	248.18	22.00	22.61	22.71	22.57	1.65E-27	4.10E-14	7.77E-15	4.41E-14	4.24E-01	9.07E-01	1.36E-01
325.27532	202.08	18.52	18.55	19.12	19.06	6.38E-07	9.99E-01	3.98E-05	5.90E-04	1.36E-04	1.54E-03	9.62E-01
325.66795	285.58	14.29	18.29	17.33	18.15	2.89E-37	5.11E-15	2.71E-14	5.11E-15	4.81E-03	9.65E-01	2.71E-02
325.66927	177.91	9.90	11.40	12.54	8.90	2.28E-07	7.82E-02	1.54E-04	3.95E-01	2.73E-01	1.01E-03	3.60E-07
325.90455	28.94	13.46	14.44	13.93	14.91	1.10E-04	1.11E-02	4.34E-01	7.49E-05	3.86E-01	5.08E-01	1.82E-02

325.99103	31.09	13.98	14.50	14.86	14.14	4.14E-02	3.78E-01	3.42E-02	9.59E-01	7.03E-01	7.30E-01	1.58E-01
326.0004	31.66	13.78	16.04	16.40	14.94	4.52E-38	5.11E-15	5.11E-15	4.21E-09	1.92E-01	4.31E-08	4.16E-13
326.0604	23.52	13.69	15.23	16.27	15.62	1.15E-13	1.05E-05	9.68E-14	4.20E-08	6.63E-03	6.24E-01	1.98E-01
326.08464	65.36	15.17	17.30	14.12	14.45	4.87E-134	5.11E-15	5.11E-15	5.77E-15	5.11E-15	5.11E-15	3.01E-07
326.09641	19.74	18.56	20.74	20.83	19.83	5.38E-34	5.11E-15	5.11E-15	3.59E-11	9.51E-01	3.86E-06	2.44E-07
326.11137	35.51	16.08	16.19	15.95	15.79	2.31E-01	9.46E-01	8.99E-01	4.39E-01	6.18E-01	1.98E-01	8.48E-01
326.18807	287.12	17.48	18.89	19.36	18.33	4.99E-45	5.11E-15	5.11E-15	8.67E-13	1.13E-04	5.96E-06	4.42E-14
326.18819	162.57	20.39	21.07	20.14	21.00	9.76E-08	6.42E-04	4.58E-01	4.56E-03	1.82E-06	9.73E-01	2.50E-05
326.21986	200.46	17.91	17.14	18.32	18.31	9.75E-16	4.63E-07	1.77E-02	2.98E-02	1.00E-13	5.36E-13	1.00E+00
326.24223	247.79	19.40	20.14	20.23	20.04	1.35E-23	4.11E-14	3.20E-14	3.60E-13	6.07E-01	6.40E-01	8.13E-02
326.27043	297.51	12.82	13.33	14.49	13.77	5.67E-05	4.81E-01	2.10E-05	4.48E-02	8.11E-03	6.26E-01	2.21E-01
326.27059	164.03	16.20	14.95	15.81	15.65	9.97E-17	4.33E-14	1.48E-02	2.79E-04	3.13E-09	4.50E-06	6.23E-01
326.27864	211.14	15.90	16.04	15.76	15.83	5.68E-01	8.92E-01	8.96E-01	9.86E-01	5.14E-01	7.43E-01	9.88E-01
326.82862	60.14	17.55	16.92	17.88	17.86	1.74E-24	4.01E-11	5.48E-04	2.01E-03	2.89E-14	4.13E-14	9.97E-01
326.83542	60.61	15.44	15.11	15.76	15.61	2.24E-09	3.17E-03	5.23E-03	2.84E-01	1.16E-09	5.51E-06	4.87E-01
326.84678	56.05	17.45	15.80	17.38	17.42	2.77E-36	5.11E-15	9.35E-01	9.96E-01	5.11E-15	5.11E-15	9.86E-01
326.85205	166.84	13.46	18.45	18.09	17.30	1.31E-35	5.11E-15	5.11E-15	4.00E-14	7.56E-01	1.34E-02	1.51E-01
326.85777	75.45	15.25	14.86	14.82	15.31	2.62E-03	6.78E-02	3.01E-02	9.82E-01	9.92E-01	3.66E-02	1.58E-02
326.8718	226.68	16.08	14.46	15.89	16.11	2.02E-20	4.53E-14	6.63E-01	9.98E-01	1.53E-13	4.13E-14	5.92E-01
326.88729	226.51	13.53	11.88	14.18	14.86	1.90E-10	3.32E-04	3.55E-01	7.93E-03	3.45E-07	1.59E-10	3.79E-01
326.89262	83.57	14.22	13.95	15.08	14.67	8.69E-04	7.75E-01	1.43E-02	4.08E-01	7.85E-04	7.71E-02	5.32E-01
326.90944	153.86	16.12	14.45	13.95	15.34	5.44E-16	9.39E-10	4.47E-14	1.40E-02	1.95E-01	4.28E-03	1.14E-06
326.98042	18.68	17.87	19.93	19.87	19.54	1.70E-21	4.22E-14	4.37E-14	2.79E-12	9.93E-01	3.05E-01	4.46E-01
326.98975	19.44	17.54	20.34	20.38	19.87	2.83E-23	4.35E-14	4.24E-14	2.71E-13	9.99E-01	3.72E-01	2.92E-01
327.01075	23.83	16.92	15.44	15.16	16.49	1.03E-08	1.17E-05	1.10E-07	5.05E-01	8.14E-01	6.63E-03	2.59E-04
327.02911	30.41	16.40	13.68	14.75	15.79	2.71E-15	4.75E-14	1.30E-06	2.19E-01	5.40E-03	6.13E-09	9.15E-03
327.06413	27.71	16.23	14.25	14.61	14.65	4.15E-12	2.51E-11	3.43E-08	2.17E-07	5.62E-01	5.01E-01	9.99E-01
327.07941	68.51	14.49	15.78	13.00	13.48	1.06E-81	5.11E-15	5.11E-15	3.35E-14	5.11E-15	5.11E-15	4.01E-06
327.18029	154.33	18.26	18.35	17.76	18.51	1.00E-03	9.65E-01	3.37E-02	5.51E-01	1.10E-02	8.36E-01	7.67E-04
327.19153	156.67	15.42	16.17	14.40	16.07	3.33E-06	1.39E-01	1.92E-02	2.65E-01	8.27E-06	9.93E-01	4.82E-05
327.2181	180.11	17.48	16.70	16.43	16.57	3.22E-05	5.05E-03	4.01E-05	9.71E-04	6.38E-01	9.50E-01	9.28E-01
327.22455	223.7	17.37	15.71	17.26	17.71	2.76E-06	9.22E-05	9.92E-01	8.09E-01	4.03E-04	5.41E-06	6.64E-01
327.23355	232.8	29.38	28.89	29.54	29.66	1.68E-15	1.67E-07	2.35E-01	8.70E-03	1.04E-11	5.48E-14	5.38E-01
327.25461	263.42	24.20	24.09	24.21	24.34	4.87E-02	5.38E-01	1.00E+00	3.60E-01	4.90E-01	2.36E-02	4.36E-01
327.2909	225.29	16.52	16.00	16.19	16.33	2.49E-01	1.94E-01	5.75E-01	8.91E-01	8.94E-01	6.31E-01	9.56E-01
327.42785	226.52	14.64	12.31	14.45	14.52	1.69E-11	3.93E-10	9.48E-01	9.85E-01	1.64E-08	1.92E-08	9.98E-01
327.45034	226.53	14.50	12.50	14.19	14.17	9.47E-08	1.39E-07	7.93E-01	7.82E-01	1.84E-05	4.60E-05	1.00E+00
327.5809	226.42	14.26	11.77	14.22	14.81	1.24E-16	6.36E-12	9.99E-01	3.62E-01	3.17E-11	4.53E-14	3.18E-01
327.59623	226.76	16.17	14.49	15.69	16.12	8.08E-16	6.02E-14	6.82E-02	9.94E-01	6.09E-08	1.29E-12	1.61E-01
327.92833	30.28	16.10	15.61	15.81	15.82	4.69E-01	3.85E-01	7.78E-01	8.07E-01	9.20E-01	9.20E-01	1.00E+00
327.95895	25.6	13.81	15.31	15.50	14.76	2.85E-13	5.20E-10	1.96E-12	2.09E-04	8.31E-01	8.77E-02	8.29E-03
327.97038	29.03	19.33	19.97	20.09	19.46	1.70E-09	8.58E-06	4.98E-08	7.47E-01	7.70E-01	1.43E-03	2.82E-05
327.98374	17.55	12.70	14.22	14.22	14.10	4.40E-05	3.30E-04	2.89E-04	1.65E-03	1.00E+00	9.90E-01	9.90E-01
327.99354	28.07	15.18	15.65	16.32	16.76	1.67E-08	2.61E-01	5.49E-05	3.17E-08	4.72E-02	2.48E-04	3.45E-01
328.03513	18.55	13.32	17.46	16.24	16.31	1.11E-30	5.11E-15	4.11E-14	4.35E-14	6.97E-04	2.36E-03	9.97E-01

328.04646	19.46	15.55	15.97	16.18	16.03	1.47E-03	5.99E-02	8.91E-04	2.38E-02	5.84E-01	9.79E-01	8.36E-01
328.05954	25.09	20.44	20.55	20.34	19.90	1.53E-02	9.42E-01	9.47E-01	4.36E-02	6.99E-01	1.15E-02	1.65E-01
328.0831	21.67	14.62	14.47	15.00	16.10	4.97E-05	9.76E-01	6.65E-01	2.33E-04	4.31E-01	7.30E-05	1.43E-02
328.12876	25.29	13.26	15.13	15.24	13.89	6.19E-15	4.24E-11	2.23E-12	8.47E-02	9.77E-01	5.00E-05	7.08E-06
328.22855	217.66	15.79	14.48	16.24	15.31	7.45E-03	5.18E-02	8.07E-01	7.89E-01	4.52E-03	4.17E-01	2.96E-01
328.23658	227.77	27.34	26.67	27.29	27.55	8.13E-20	1.96E-13	9.33E-01	7.18E-02	1.52E-11	4.32E-14	1.76E-02
328.25792	266.32	21.83	21.78	21.89	22.00	8.76E-02	9.41E-01	8.91E-01	1.98E-01	5.93E-01	6.79E-02	5.86E-01
328.84421	60.71	16.22	15.66	15.83	15.98	1.56E-04	6.94E-05	1.06E-02	2.43E-01	5.30E-01	7.45E-02	6.72E-01
328.85021	108.21	15.85	14.12	14.19	15.04	1.99E-22	4.10E-14	4.46E-14	4.29E-05	9.75E-01	4.44E-06	2.38E-05
328.86007	27.94	16.44	16.93	17.60	16.64	1.95E-07	7.00E-02	1.09E-07	7.57E-01	6.87E-03	5.21E-01	4.89E-05
328.88064	27.96	14.79	14.88	15.10	15.13	4.19E-01	9.79E-01	5.56E-01	4.85E-01	8.10E-01	7.41E-01	9.99E-01
328.96363	22.28	19.30	18.85	18.76	18.86	1.14E-04	2.61E-03	1.50E-04	5.61E-03	9.00E-01	9.99E-01	8.51E-01
328.97478	23.77	14.48	14.78	15.01	15.14	6.53E-02	6.35E-01	1.64E-01	5.93E-02	8.30E-01	5.46E-01	9.57E-01
328.98496	32.27	14.70	15.44	15.04	15.29	6.37E-02	5.18E-02	6.36E-01	1.95E-01	5.19E-01	9.58E-01	8.42E-01
329.02236	17.11	13.19	13.47	13.78	15.28	5.08E-05	9.16E-01	5.15E-01	3.49E-05	8.96E-01	7.29E-04	7.26E-03
329.02983	18.88	15.88	17.37	17.02	17.10	8.10E-04	8.29E-04	1.71E-02	1.26E-02	8.04E-01	9.06E-01	9.97E-01
329.06257	28.93	17.07	16.38	15.92	16.01	5.28E-05	4.15E-02	8.34E-05	5.85E-04	3.24E-01	5.45E-01	9.88E-01
329.23722	221.81	24.30	23.42	24.16	24.29	1.00E-21	4.11E-14	3.78E-01	9.99E-01	1.00E-13	4.31E-14	5.00E-01
329.24912	249.2	28.58	28.35	28.63	28.58	6.11E-03	3.11E-02	9.27E-01	1.00E+00	5.97E-03	4.16E-02	9.47E-01
329.27019	298.77	19.95	20.37	20.97	20.62	1.14E-07	6.40E-02	2.90E-08	8.40E-04	3.42E-03	5.03E-01	1.98E-01
329.91721	40.78	17.94	18.47	18.74	17.83	2.90E-08	5.40E-03	4.07E-06	9.07E-01	3.31E-01	9.86E-04	6.15E-07
329.96636	27.95	15.68	15.01	15.12	15.17	1.09E-03	1.24E-03	9.18E-03	2.95E-02	9.32E-01	8.28E-01	9.93E-01
330.05535	26.61	14.46	13.62	12.58	12.81	1.86E-03	3.81E-01	2.12E-03	1.31E-02	2.15E-01	4.62E-01	9.76E-01
330.24088	222.38	20.21	19.40	20.12	20.08	1.02E-16	4.35E-14	7.75E-01	4.96E-01	2.00E-12	1.55E-10	9.64E-01
330.25249	244.12	26.57	26.15	26.61	26.48	2.10E-05	1.56E-04	9.68E-01	7.99E-01	3.36E-05	9.03E-03	5.46E-01
330.27352	204.14	17.99	16.87	17.39	17.31	2.26E-03	7.64E-04	1.58E-01	1.02E-01	2.87E-01	4.69E-01	9.93E-01
330.5758	17.05	12.79	15.29	15.35	15.28	9.00E-11	3.20E-08	1.09E-08	9.09E-08	9.99E-01	1.00E+00	9.98E-01
330.84361	67.53	15.59	12.57	14.54	14.85	1.49E-25	5.77E-15	1.38E-04	1.80E-02	8.45E-13	4.53E-14	6.33E-01
330.85976	147.73	17.87	15.91	15.24	16.66	8.15E-31	4.22E-14	5.11E-15	3.09E-08	4.34E-03	1.64E-03	1.48E-10
330.86559	83.83	17.35	16.37	16.82	16.62	3.52E-18	4.37E-14	1.04E-06	7.48E-11	9.19E-05	8.30E-02	2.29E-01
330.89103	55.76	15.01	13.65	15.68	15.46	3.04E-20	2.88E-10	4.23E-03	1.22E-01	4.17E-14	4.75E-14	7.14E-01
330.8997	47.49	13.17	14.65	14.48	14.34	4.18E-04	6.99E-04	3.29E-03	1.52E-02	9.70E-01	8.65E-01	9.86E-01
330.92204	83.41	13.56	12.16	14.19	13.88	6.48E-05	8.53E-03	4.64E-01	8.89E-01	5.17E-05	1.36E-03	9.06E-01
330.94321	40.08	17.43	18.84	18.91	18.65	8.08E-43	5.11E-15	5.11E-15	5.33E-15	9.01E-01	2.13E-01	4.44E-02
330.96341	40.22	20.43	21.42	21.38	21.49	1.27E-14	5.91E-11	2.19E-10	7.08E-12	9.92E-01	9.54E-01	8.53E-01
330.98026	145.4	14.93	14.68	14.29	14.69	2.16E-03	4.27E-01	6.99E-04	4.93E-01	9.90E-02	1.00E+00	9.66E-02
330.99946	29.92	16.70	15.70	15.80	15.13	5.52E-04	3.16E-02	6.32E-02	2.07E-04	9.92E-01	4.46E-01	2.87E-01
331.02871	24.91	13.33	15.20	15.10	13.90	9.25E-08	1.95E-06	6.09E-06	3.97E-01	9.92E-01	3.52E-03	7.96E-03
331.06867	68.06	13.83	23.62	13.46	12.26	2.87E-107	5.11E-15	5.37E-01	8.73E-07	5.11E-15	5.11E-15	3.97E-04
331.0896	25.46	14.88	16.70	13.54	14.03	2.38E-82	5.11E-15	5.11E-15	2.18E-13	5.11E-15	5.11E-15	3.55E-05
331.14616	22.48	19.28	19.72	19.66	19.36	1.95E-02	3.90E-02	9.47E-02	9.71E-01	9.83E-01	1.52E-01	2.90E-01
331.25583	247.45	23.50	22.88	23.27	23.15	5.40E-07	1.10E-07	1.45E-01	8.04E-03	1.83E-03	7.85E-02	6.69E-01
331.26475	260.51	27.85	27.29	27.55	27.45	1.23E-06	3.73E-07	1.53E-02	9.65E-04	5.28E-02	3.87E-01	8.04E-01
331.91543	41.8	12.92	13.03	14.69	13.15	2.99E-03	9.97E-01	4.38E-03	9.72E-01	1.19E-02	9.96E-01	2.86E-02
331.92342	37.66	16.69	16.55	16.73	15.87	1.68E-02	9.63E-01	9.99E-01	2.64E-02	9.32E-01	1.04E-01	2.16E-02

331.96764	43.74	15.73	16.71	16.74	16.91	1.05E-10	3.36E-07	1.18E-07	2.11E-09	9.99E-01	7.13E-01	7.90E-01
332.05982	26.08	12.40	15.47	13.55	14.05	3.14E-08	4.47E-09	7.29E-02	4.82E-03	6.23E-04	2.66E-02	7.49E-01
332.07206	55.79	15.62	20.44	14.55	14.93	5.78E-133	5.11E-15	4.33E-14	2.12E-08	5.11E-15	5.11E-15	7.57E-03
332.17374	279.15	16.47	22.15	20.79	21.75	2.33E-42	5.11E-15	6.00E-15	5.11E-15	1.27E-03	7.12E-01	5.02E-02
332.25811	242.59	19.21	18.62	19.07	18.87	1.14E-03	6.65E-04	7.70E-01	1.30E-01	2.06E-02	3.84E-01	6.07E-01
332.26804	262.37	25.76	25.10	25.51	25.33	1.06E-07	3.09E-08	8.64E-02	9.03E-04	1.77E-03	1.81E-01	4.22E-01
332.6759	285.27	15.30	20.58	18.68	20.23	4.39E-35	5.11E-15	4.31E-14	5.11E-15	8.58E-06	8.16E-01	6.12E-04
332.67687	175.35	11.82	14.73	14.52	11.67	7.64E-08	3.67E-05	1.26E-04	9.96E-01	9.88E-01	3.94E-05	1.28E-04
332.85696	130.75	15.65	10.74	11.46	13.08	1.07E-33	5.11E-15	7.33E-15	7.46E-11	1.95E-01	9.02E-09	8.93E-05
332.87538	137.19	15.69	11.97	12.00	13.19	1.28E-22	4.11E-14	4.24E-14	1.75E-09	1.00E+00	1.03E-02	1.13E-02
332.88223	37.2	18.89	17.32	16.89	17.34	9.96E-14	1.21E-08	3.42E-13	3.93E-08	3.32E-01	1.00E+00	3.23E-01
332.90174	44.39	20.27	18.65	20.27	20.03	4.00E-19	4.37E-14	1.00E+00	5.58E-01	4.29E-14	1.28E-11	5.64E-01
332.92256	40.34	22.69	24.44	24.54	24.38	1.85E-38	5.11E-15	5.11E-15	5.33E-15	8.69E-01	9.72E-01	6.35E-01
332.9592	41.64	16.79	14.55	15.28	15.73	1.45E-10	3.51E-11	7.98E-06	5.39E-03	9.91E-02	1.84E-03	4.82E-01
332.96922	35.15	13.68	12.94	13.31	14.29	1.64E-03	1.18E-01	6.65E-01	2.85E-01	7.03E-01	8.93E-04	2.61E-02
332.98243	32.07	14.80	16.09	16.53	14.91	2.50E-25	1.08E-12	3.71E-14	9.15E-01	4.52E-02	5.36E-10	4.33E-14
333.00878	23.92	16.50	17.50	17.55	16.89	1.54E-04	1.19E-03	5.41E-04	4.83E-01	9.98E-01	1.31E-01	8.64E-02
333.02502	17.17	14.67	15.90	14.84	15.44	5.65E-05	9.14E-05	9.24E-01	3.64E-02	1.41E-03	4.07E-01	1.68E-01
333.03117	19.96	12.87	15.14	14.82	14.01	4.98E-07	9.33E-07	2.57E-05	4.10E-02	8.82E-01	5.58E-02	2.53E-01
333.06669	55.84	18.34	19.47	17.89	17.94	4.17E-85	5.11E-15	4.63E-14	7.21E-12	5.11E-15	5.11E-15	7.88E-01
333.07301	71.57	14.56	15.34	13.11	13.57	1.17E-69	4.33E-14	5.11E-15	2.53E-14	5.11E-15	5.11E-15	3.59E-06
333.09495	27.9	18.77	18.32	18.96	18.68	3.70E-02	1.63E-01	8.10E-01	9.72E-01	2.12E-02	4.10E-01	5.84E-01
333.17186	287.64	14.90	16.85	14.68	16.95	4.40E-20	3.19E-11	8.30E-01	1.09E-11	5.39E-13	9.85E-01	2.24E-13
333.20726	204.1	16.48	14.40	14.60	14.27	1.91E-12	1.04E-09	2.97E-08	2.98E-10	9.15E-01	9.82E-01	7.40E-01
333.27162	264.26	22.53	21.73	22.12	21.94	1.41E-09	5.43E-10	2.59E-03	1.25E-05	7.86E-03	3.16E-01	4.93E-01
333.28029	285.59	24.22	23.35	23.63	23.68	6.53E-09	1.90E-09	5.66E-05	4.44E-04	1.69E-01	9.48E-02	9.87E-01
333.90497	66.95	15.34	13.01	14.15	14.90	3.77E-11	2.97E-11	1.13E-03	5.43E-01	3.28E-03	3.24E-07	1.07E-01
333.91569	31.27	16.88	16.53	16.67	16.15	1.75E-01	6.98E-01	9.14E-01	1.23E-01	9.73E-01	6.75E-01	4.08E-01
333.92594	46.73	18.29	20.10	20.18	20.03	9.47E-42	5.11E-15	5.11E-15	5.11E-15	9.33E-01	9.46E-01	6.66E-01
333.93645	30.18	17.22	18.28	18.31	18.05	2.94E-24	4.13E-14	3.53E-14	1.04E-12	9.90E-01	1.59E-01	7.81E-02
333.95427	36.5	14.42	14.44	14.16	14.07	5.91E-01	1.00E+00	8.40E-01	7.09E-01	8.11E-01	6.78E-01	9.94E-01
334.00859	25.24	16.34	17.02	17.20	17.08	4.04E-10	2.86E-06	1.80E-09	6.63E-07	5.48E-01	9.75E-01	8.21E-01
334.02567	30.76	14.09	14.87	14.84	15.14	5.86E-03	5.09E-02	6.36E-02	4.84E-03	1.00E+00	8.39E-01	7.80E-01
334.05019	33.38	16.20	15.12	15.17	15.52	1.57E-09	1.75E-08	6.06E-08	1.08E-03	9.92E-01	1.34E-01	2.24E-01
334.064	19.37	14.23	15.41	15.16	15.12	8.27E-06	8.86E-06	6.54E-04	1.89E-03	7.30E-01	6.62E-01	9.99E-01
334.09829	28.82	14.95	13.61	15.00	14.41	1.99E-03	4.22E-03	9.99E-01	5.38E-01	3.43E-03	2.17E-01	4.76E-01
334.12771	22.57	18.51	17.85	18.16	17.83	7.91E-09	1.82E-07	1.38E-02	1.72E-07	4.01E-02	9.99E-01	3.15E-02
334.15125	166.79	17.62	17.13	17.49	17.72	4.86E-03	1.76E-02	8.75E-01	9.30E-01	1.34E-01	4.43E-03	5.59E-01
334.20909	52.15	17.92	16.19	17.07	18.17	3.40E-10	5.40E-08	1.74E-02	8.40E-01	1.70E-02	3.68E-09	2.02E-03
334.27422	259.92	17.65	16.24	16.97	16.75	1.60E-08	2.73E-09	8.95E-03	3.76E-04	6.05E-03	1.19E-01	7.61E-01
334.28363	281.7	22.05	21.16	21.46	21.49	1.95E-08	4.99E-09	1.63E-04	6.34E-04	1.45E-01	1.12E-01	9.98E-01
334.81244	91.81	16.63	16.26	16.49	16.47	4.93E-05	1.00E-05	2.44E-01	1.88E-01	1.55E-02	3.62E-02	9.97E-01
334.839	77.86	15.41	16.22	16.40	16.17	8.28E-08	2.62E-05	1.29E-07	1.60E-04	7.33E-01	9.91E-01	5.64E-01
334.85994	53.6	23.42	22.94	24.12	23.83	2.52E-29	8.12E-07	3.86E-13	4.67E-05	5.11E-15	4.40E-14	1.10E-02
334.88016	68.47	16.06	15.80	17.23	16.80	2.09E-31	8.66E-02	3.09E-14	1.16E-09	5.11E-15	4.62E-14	1.29E-03

334.91848	43.21	20.26	20.35	20.57	20.68	3.45E-05	7.48E-01	4.28E-03	7.70E-05	9.51E-02	4.62E-03	6.62E-01
334.9269	46.15	16.16	17.62	17.75	17.61	4.21E-36	5.55E-15	5.11E-15	6.22E-15	6.91E-01	1.00E+00	6.59E-01
335.02423	67.7	13.86	13.95	14.46	15.22	2.02E-02	9.97E-01	5.41E-01	2.06E-02	6.84E-01	4.26E-02	3.86E-01
335.05005	21.21	17.36	16.32	17.47	17.61	1.49E-05	7.18E-04	9.77E-01	8.00E-01	2.04E-04	4.45E-05	9.58E-01
335.06168	25.46	19.87	19.27	19.63	19.62	2.82E-03	8.91E-04	4.29E-01	3.99E-01	1.01E-01	1.49E-01	1.00E+00
335.19	164.43	15.40	15.18	15.27	15.16	7.16E-01	7.69E-01	9.43E-01	7.30E-01	9.78E-01	1.00E+00	9.63E-01
335.19015	291.32	16.22	16.94	17.15	16.14	1.30E-05	1.03E-02	3.94E-04	9.88E-01	8.24E-01	6.32E-03	2.63E-04
335.22061	226.46	20.47	19.07	19.04	19.44	5.21E-14	1.46E-11	3.47E-12	1.50E-06	9.98E-01	2.48E-01	1.78E-01
335.22341	38.56	18.61	17.43	17.39	18.95	3.54E-03	8.77E-02	6.85E-02	9.17E-01	1.00E+00	2.33E-02	1.74E-02
335.25978	175.41	15.45	14.50	14.02	14.99	5.85E-09	1.49E-04	3.05E-09	1.71E-01	1.56E-01	1.63E-01	2.80E-04
335.28691	282.65	18.41	17.29	17.55	17.71	1.74E-10	1.37E-10	6.97E-07	1.56E-04	3.86E-01	6.12E-02	7.61E-01
335.86336	62.07	18.69	18.24	19.32	19.04	5.81E-39	2.51E-10	4.33E-14	2.97E-06	5.11E-15	1.20E-14	4.05E-04
335.91284	31.71	15.05	14.14	14.64	14.06	5.27E-02	9.96E-02	7.20E-01	7.41E-02	6.02E-01	9.98E-01	5.06E-01
335.92395	46.9	13.84	15.31	15.19	14.96	6.55E-12	1.32E-10	2.26E-09	2.20E-06	9.48E-01	3.87E-01	7.08E-01
335.95138	35.17	15.47	14.50	15.39	14.76	7.25E-04	2.23E-03	9.90E-01	5.15E-02	7.66E-03	8.03E-01	1.15E-01
336.02165	71.29	15.21	15.75	16.42	16.69	2.64E-09	9.26E-02	1.95E-06	1.26E-08	2.65E-02	8.42E-04	6.64E-01
336.06466	28.33	16.53	16.90	16.29	16.60	8.78E-04	4.80E-02	3.45E-01	9.68E-01	2.56E-04	1.82E-01	1.82E-01
336.22402	225.23	17.46	15.79	15.36	16.11	5.74E-15	5.83E-10	5.11E-14	1.35E-06	3.29E-01	5.98E-01	2.06E-02
336.2268	45.48	16.08	13.81	14.65	16.57	5.10E-10	6.82E-07	3.35E-03	6.51E-01	1.93E-01	8.17E-09	8.43E-05
336.25498	149	16.80	15.47	16.79	16.58	1.92E-20	4.36E-14	1.00E+00	4.22E-01	4.40E-14	3.79E-12	4.67E-01
336.81008	93.68	15.40	15.25	15.59	15.65	1.28E-02	6.24E-01	4.56E-01	2.34E-01	4.72E-02	1.66E-02	9.67E-01
336.81822	80.32	15.90	17.16	17.35	16.95	1.83E-24	4.20E-14	2.09E-14	1.24E-12	4.97E-01	3.95E-01	1.78E-02
336.83719	89.68	13.41	13.08	13.86	13.66	2.57E-02	5.93E-01	2.85E-01	7.69E-01	1.79E-02	1.47E-01	8.81E-01
336.84843	100.57	13.60	13.38	13.97	13.56	8.40E-02	7.64E-01	3.56E-01	9.98E-01	5.51E-02	8.81E-01	3.04E-01
336.86214	55.71	17.14	18.00	17.92	19.41	3.41E-03	4.66E-01	5.33E-01	1.16E-03	9.99E-01	1.02E-01	7.46E-02
336.87554	49.23	22.86	23.08	23.74	23.55	2.15E-42	8.49E-04	5.11E-15	6.22E-15	7.99E-15	1.61E-13	5.22E-03
336.88841	22.3	15.42	15.98	15.46	15.99	1.26E-01	2.75E-01	9.99E-01	2.77E-01	3.62E-01	1.00E+00	3.61E-01
336.90948	29.94	15.67	14.74	15.33	14.27	2.14E-05	7.71E-03	6.19E-01	2.18E-05	1.96E-01	4.05E-01	3.04E-03
336.91528	51.07	16.92	16.40	16.83	16.85	2.00E-11	7.82E-11	6.42E-01	8.26E-01	1.00E-07	6.69E-08	9.93E-01
336.93029	34.61	15.16	15.17	15.35	15.71	2.44E-01	1.00E+00	9.20E-01	2.55E-01	9.29E-01	2.82E-01	6.23E-01
336.97354	17.01	15.69	17.53	17.55	17.23	4.43E-20	4.37E-14	4.45E-14	1.20E-11	9.99E-01	5.04E-01	4.28E-01
337.01852	29.77	15.93	17.28	16.70	17.26	3.47E-07	2.15E-06	1.39E-02	5.43E-06	1.29E-01	1.00E+00	1.65E-01
337.04034	32.04	16.53	16.50	16.06	16.06	1.56E-01	9.99E-01	3.01E-01	3.28E-01	3.96E-01	4.21E-01	1.00E+00
337.05679	18.33	14.38	15.89	15.67	16.08	1.80E-11	1.09E-08	9.07E-07	3.65E-10	8.13E-01	8.79E-01	3.74E-01
337.07873	19.33	17.24	17.61	17.67	17.80	8.55E-05	1.70E-02	2.46E-03	6.98E-05	9.46E-01	4.16E-01	7.40E-01
337.13922	54.47	13.27	19.96	11.57	11.79	2.01E-114	5.11E-15	4.57E-14	1.52E-11	5.11E-15	5.11E-15	7.11E-01
337.17907	226.05	19.73	19.90	20.14	20.04	1.07E-03	3.93E-01	6.57E-04	2.61E-02	1.09E-01	5.93E-01	7.80E-01
337.19342	229.19	17.70	16.53	16.19	17.87	4.01E-15	1.14E-06	1.58E-10	8.68E-01	4.10E-01	1.07E-07	1.63E-11
337.20509	172.72	18.42	18.49	18.23	18.84	1.46E-02	9.79E-01	6.93E-01	1.06E-01	4.70E-01	2.55E-01	6.71E-03
337.20579	288.85	16.57	17.54	18.25	17.23	3.12E-21	5.56E-09	2.33E-14	1.99E-04	5.15E-05	2.10E-01	5.29E-09
337.23658	263.28	21.76	21.29	21.32	21.60	2.10E-15	7.95E-13	8.03E-12	3.30E-02	9.71E-01	1.53E-05	8.52E-05
337.86147	65.44	15.95	14.29	16.20	16.01	2.87E-52	5.11E-15	5.19E-02	9.07E-01	5.11E-15	5.11E-15	2.87E-01
337.87894	56.64	18.07	18.15	18.98	18.77	7.70E-45	4.87E-01	5.11E-15	9.55E-15	5.11E-15	4.04E-14	3.59E-03
337.99588	26.2	14.45	15.09	14.58	14.90	2.16E-01	2.16E-01	9.79E-01	5.55E-01	4.29E-01	9.44E-01	7.96E-01
338.01735	22.71	15.08	15.39	15.85	16.64	1.44E-13	3.52E-01	2.38E-04	1.48E-13	7.16E-02	4.66E-09	3.38E-04

338.03727	55.57	15.06	16.02	16.77	16.08	2.87E-16	1.84E-06	4.42E-14	5.92E-07	3.59E-04	9.84E-01	2.02E-03
338.04985	16.79	13.55	16.70	16.86	16.70	2.13E-27	3.79E-14	2.18E-14	4.20E-14	9.55E-01	1.00E+00	9.52E-01
338.06736	17.9	17.78	18.54	18.43	18.48	6.84E-06	2.82E-05	4.28E-04	2.41E-04	9.06E-01	9.82E-01	9.92E-01
338.07403	24.19	14.34	15.52	14.78	15.25	5.95E-06	5.72E-06	2.31E-01	1.03E-03	1.18E-02	7.07E-01	2.15E-01
338.14246	65.04	13.94	16.47	12.16	12.75	1.39E-105	5.11E-15	5.11E-15	2.55E-14	5.11E-15	5.11E-15	1.29E-06
338.1822	228.52	16.83	16.46	16.70	16.68	1.93E-01	1.29E-01	8.68E-01	8.07E-01	5.01E-01	6.25E-01	9.99E-01
338.19794	189.4	17.21	16.53	16.84	16.80	8.86E-14	5.14E-14	2.78E-05	7.33E-06	6.74E-04	5.23E-03	9.70E-01
338.20942	170.89	15.73	15.48	15.13	16.01	8.16E-04	6.45E-01	2.13E-02	5.57E-01	3.44E-01	8.28E-02	4.41E-04
338.23998	257.83	18.82	18.17	18.25	18.60	3.84E-18	4.35E-14	6.90E-13	1.65E-02	6.79E-01	3.33E-07	4.52E-05
338.27077	187.51	18.02	17.13	17.72	17.43	1.34E-15	4.27E-14	1.45E-02	1.80E-07	1.03E-07	2.02E-02	3.08E-02
338.81575	89.01	14.52	14.73	15.04	14.82	1.73E-01	8.15E-01	1.16E-01	5.91E-01	5.58E-01	9.80E-01	8.13E-01
338.83666	79.44	15.53	15.89	16.44	16.48	3.95E-19	5.35E-03	4.66E-14	4.47E-14	2.75E-06	9.08E-07	9.78E-01
338.84656	84.57	16.15	15.47	16.00	16.37	8.69E-11	1.87E-07	5.48E-01	2.83E-01	1.28E-04	6.43E-11	1.55E-02
338.85592	64.66	16.49	14.87	16.91	16.69	2.68E-55	5.11E-15	1.74E-04	2.24E-01	5.11E-15	5.11E-15	1.38E-01
338.86773	39.67	18.33	17.74	18.56	17.87	3.28E-04	2.39E-02	6.72E-01	1.32E-01	7.37E-04	9.35E-01	8.26E-03
338.87357	49.77	20.46	20.64	21.35	21.17	2.93E-47	2.98E-03	5.11E-15	5.11E-15	5.11E-15	4.24E-14	5.64E-03
338.87958	42.25	16.42	17.12	17.23	16.95	2.15E-29	2.91E-14	5.11E-15	1.98E-13	3.43E-01	7.01E-02	3.34E-04
338.88832	37.87	19.84	20.83	20.94	20.80	1.89E-25	4.31E-14	2.60E-14	4.17E-14	7.11E-01	9.89E-01	5.27E-01
338.9301	43.91	15.80	8.99	9.93	12.78	2.67E-30	5.11E-15	2.31E-14	4.89E-07	3.03E-01	6.79E-10	3.82E-06
338.93018	153.06	17.11	12.20	11.83	14.34	2.70E-51	5.11E-15	5.11E-15	4.13E-14	5.84E-01	9.94E-11	7.68E-14
338.95073	45.67	15.11	11.53	11.65	13.30	1.40E-14	1.63E-12	5.51E-12	9.38E-04	9.93E-01	1.83E-03	4.08E-03
338.98966	19.41	23.55	27.03	27.12	26.49	5.42E-47	5.11E-15	5.11E-15	5.11E-15	9.76E-01	8.06E-02	2.64E-02
339.06419	22.31	17.06	18.39	18.22	17.95	9.52E-20	4.29E-14	5.20E-14	4.71E-09	5.78E-01	1.33E-02	2.58E-01
339.18193	291.72	13.55	18.62	17.92	17.78	1.65E-40	5.11E-15	5.11E-15	5.33E-15	1.60E-01	7.06E-02	9.72E-01
339.19636	263.73	20.38	20.77	21.00	20.80	9.41E-12	1.18E-05	2.08E-12	6.14E-06	3.39E-02	9.94E-01	7.88E-02
339.19991	169.4	20.67	20.91	20.19	20.94	1.79E-04	5.45E-01	3.44E-02	4.69E-01	5.99E-04	9.99E-01	4.83E-04
339.20986	239.26	20.93	20.10	20.37	20.97	2.07E-20	4.35E-14	3.02E-08	9.74E-01	2.07E-02	4.37E-14	1.83E-08
339.21589	153.9	14.83	10.73	13.37	13.52	2.69E-17	4.27E-14	2.92E-03	1.34E-02	1.59E-08	7.69E-09	9.87E-01
339.21594	55.38	14.66	10.33	14.11	14.62	2.34E-20	4.42E-14	6.08E-01	1.00E+00	1.46E-13	4.24E-14	7.02E-01
339.23553	237.82	17.23	15.40	13.33	15.23	3.39E-13	5.70E-04	6.15E-14	2.08E-04	1.09E-04	9.86E-01	6.79E-04
339.25447	176.82	15.67	14.43	14.67	14.79	3.64E-16	4.37E-14	4.83E-11	2.12E-08	3.47E-01	7.86E-02	8.51E-01
339.27369	174.06	15.45	13.35	14.33	14.58	4.72E-24	6.66E-15	2.01E-09	1.14E-05	5.45E-07	6.91E-10	4.79E-01
339.6836	289.7	13.71	16.95	15.48	16.39	1.53E-18	4.26E-14	1.24E-06	1.31E-12	1.57E-04	3.96E-01	4.88E-02
339.87837	45.17	16.10	15.11	15.94	16.20	4.70E-15	2.22E-12	5.64E-01	8.82E-01	8.61E-09	3.52E-13	2.09E-01
339.89167	35.01	13.84	15.26	15.07	14.97	8.67E-10	5.29E-09	3.88E-07	7.84E-06	8.32E-01	6.05E-01	9.75E-01
339.9931	19.84	19.41	23.00	23.17	22.41	6.42E-49	5.11E-15	5.11E-15	5.11E-15	8.61E-01	5.25E-02	5.11E-03
340.04389	27.49	14.51	13.78	14.61	14.60	5.60E-02	1.38E-01	9.92E-01	9.93E-01	8.07E-02	9.93E-02	1.00E+00
340.1441	28.33	17.75	17.74	17.59	17.33	1.50E-01	1.00E+00	8.51E-01	1.62E-01	8.65E-01	1.84E-01	5.78E-01
340.20312	169.13	18.28	18.63	17.96	18.55	1.08E-03	1.88E-01	2.62E-01	4.13E-01	1.31E-03	9.78E-01	7.32E-03
340.21376	234.95	18.27	17.24	17.62	18.32	2.27E-18	5.93E-14	8.65E-07	9.72E-01	1.24E-02	6.20E-14	4.32E-07
340.23193	181.62	13.17	13.31	13.85	12.93	2.10E-02	9.60E-01	8.58E-02	8.52E-01	2.69E-01	5.93E-01	1.42E-02
340.28612	182.32	16.38	15.69	16.10	15.75	1.03E-09	1.00E-08	5.08E-02	3.79E-07	1.79E-03	9.55E-01	1.37E-02
340.80494	59.04	17.84	17.84	18.63	18.56	1.46E-21	1.00E+00	4.95E-14	4.82E-12	7.15E-14	1.54E-11	8.76E-01
340.81626	90.13	15.00	15.42	15.98	15.48	1.57E-20	1.99E-05	2.62E-14	1.90E-06	3.30E-08	9.29E-01	1.60E-06
340.82597	85.23	15.39	15.16	15.48	15.74	1.90E-10	1.33E-02	6.01E-01	4.66E-05	2.23E-04	2.31E-11	5.91E-03

340.85228	87.49	14.54	14.00	14.08	14.56	4.78E-03	2.71E-02	7.67E-02	9.99E-01	9.76E-01	3.00E-02	7.99E-02
340.86471	49.68	18.01	18.14	18.55	18.64	8.24E-03	9.20E-01	4.56E-02	1.97E-02	2.21E-01	1.15E-01	9.81E-01
340.8714	56.61	16.08	15.63	16.73	16.52	2.65E-38	3.54E-09	4.21E-14	1.89E-08	5.11E-15	6.66E-15	2.04E-02
340.88144	93.51	14.53	14.14	13.83	14.70	4.10E-04	2.56E-01	5.08E-03	8.65E-01	4.67E-01	6.22E-02	6.24E-04
340.88832	50.43	18.50	17.08	16.83	16.95	4.36E-13	1.39E-08	1.92E-11	1.73E-09	7.15E-01	9.54E-01	9.57E-01
340.90909	48.38	16.89	16.71	18.36	18.11	7.87E-31	5.34E-01	3.82E-14	6.42E-14	1.22E-14	4.47E-14	3.11E-01
340.94607	38.37	13.07	12.60	11.63	13.02	2.92E-01	9.43E-01	2.95E-01	1.00E+00	6.54E-01	9.63E-01	3.71E-01
340.99401	18.9	17.82	21.32	21.56	20.96	4.44E-54	5.11E-15	5.11E-15	5.11E-15	6.58E-01	2.98E-01	2.17E-02
341.0055	17.33	16.92	16.43	16.28	16.44	2.53E-02	1.16E-01	2.07E-02	1.49E-01	9.23E-01	1.00E+00	9.07E-01
341.01278	27.04	13.02	14.50	14.01	15.04	5.09E-08	4.89E-05	1.16E-02	2.87E-08	4.62E-01	3.79E-01	1.39E-02
341.0286	44.81	16.23	16.04	18.11	18.18	3.81E-25	8.29E-01	5.08E-14	5.05E-14	4.39E-14	4.13E-14	9.91E-01
341.03995	19.53	17.02	17.88	18.31	18.18	5.62E-12	1.44E-05	3.12E-11	7.03E-09	9.16E-02	3.84E-01	9.05E-01
341.10941	137.64	17.82	17.48	17.63	17.06	1.37E-04	1.52E-01	6.12E-01	4.70E-05	8.14E-01	7.15E-02	5.61E-03
341.17947	164.8	14.37	13.16	13.40	13.03	1.51E-04	1.10E-03	1.26E-02	3.44E-04	8.84E-01	9.80E-01	6.86E-01
341.19612	175.17	16.25	16.17	15.39	16.34	7.31E-07	9.62E-01	1.21E-05	9.65E-01	1.77E-04	7.94E-01	4.73E-06
341.20733	233.52	18.88	18.03	18.27	18.97	5.52E-14	4.62E-10	9.36E-06	8.85E-01	2.26E-01	5.81E-11	1.07E-06
341.22582	251.55	17.95	16.59	16.86	17.59	5.76E-22	4.29E-14	1.35E-13	4.55E-02	1.77E-01	7.02E-11	2.27E-06
341.23445	169.36	16.25	16.27	16.40	15.73	1.97E-05	9.99E-01	6.74E-01	8.98E-04	7.63E-01	8.71E-04	1.45E-05
341.27014	277.6	18.05	18.35	18.62	18.67	2.62E-05	1.20E-01	1.86E-04	9.72E-05	2.12E-01	1.33E-01	9.91E-01
341.28843	285.29	15.79	16.33	15.98	16.00	5.02E-01	4.18E-01	9.49E-01	9.39E-01	7.61E-01	8.07E-01	1.00E+00
341.28926	190.43	15.07	12.93	13.01	13.47	3.88E-12	1.72E-10	4.78E-10	4.16E-06	9.95E-01	3.39E-01	4.63E-01
341.9442	20.08	17.81	18.82	19.15	19.11	3.32E-16	1.08E-08	7.57E-14	1.14E-12	1.88E-01	3.35E-01	9.94E-01
341.96518	32.29	13.26	14.43	14.03	13.24	9.01E-04	3.31E-03	9.49E-02	1.00E+00	6.56E-01	5.03E-03	1.10E-01
341.9745	32.09	13.03	14.39	14.66	13.10	7.11E-13	4.02E-07	9.24E-10	9.93E-01	7.22E-01	5.91E-06	2.85E-08
341.98596	34.11	16.19	15.55	15.52	15.48	1.16E-07	1.59E-05	6.09E-06	2.80E-06	9.99E-01	9.63E-01	9.87E-01
342.0885	59.01	17.68	18.70	19.42	18.67	2.52E-11	6.01E-05	2.37E-12	1.79E-04	1.26E-02	9.99E-01	1.03E-02
342.24753	209.94	17.55	16.37	17.55	16.65	1.07E-04	1.07E-03	1.00E+00	2.50E-02	1.34E-03	8.37E-01	2.80E-02
342.26542	160.06	16.29	15.90	16.16	15.92	1.92E-04	6.39E-04	5.44E-01	2.23E-03	5.32E-02	9.96E-01	1.09E-01
342.27343	206.09	15.75	15.90	15.45	16.25	3.36E-01	9.85E-01	8.82E-01	6.56E-01	7.12E-01	8.60E-01	2.62E-01
342.80269	71.69	16.54	16.06	17.26	17.18	3.25E-22	3.24E-04	9.87E-09	9.20E-07	4.15E-14	4.20E-14	9.18E-01
342.82107	63.95	15.86	14.39	16.13	16.29	5.36E-18	2.62E-11	5.51E-01	1.73E-01	6.66E-14	4.40E-14	8.72E-01
342.83174	74.92	14.77	14.42	15.95	15.49	4.29E-27	2.63E-02	4.26E-14	4.89E-07	7.77E-15	3.05E-13	2.96E-03
342.86262	83.49	14.00	15.07	15.72	15.64	1.27E-11	1.40E-04	1.47E-10	3.64E-09	4.83E-02	1.24E-01	9.89E-01
342.88423	98.93	16.86	14.84	15.14	15.53	2.05E-25	1.29E-14	4.24E-14	1.33E-11	3.38E-01	1.27E-03	1.41E-01
342.90419	149.64	16.26	15.80	15.57	16.23	2.32E-02	2.82E-01	3.84E-02	1.00E+00	8.26E-01	3.75E-01	6.90E-02
342.90445	54.24	19.21	19.17	18.52	18.58	4.37E-05	9.97E-01	7.74E-04	4.48E-03	2.42E-03	1.13E-02	9.85E-01
342.92216	34.27	13.15	14.81	15.02	13.90	8.45E-12	1.38E-08	9.74E-11	3.05E-02	8.58E-01	8.20E-03	4.78E-04
342.98464	49.6	15.08	10.12	9.63	12.29	3.42E-23	4.31E-14	3.49E-14	1.73E-06	7.87E-01	4.96E-04	8.90E-06
343.01164	19.61	16.24	17.50	17.20	16.95	4.17E-16	4.29E-14	1.75E-10	7.34E-06	1.63E-01	1.33E-03	3.04E-01
343.05425	20.04	15.34	15.38	15.78	15.97	8.71E-02	9.99E-01	3.97E-01	1.26E-01	5.07E-01	1.87E-01	9.08E-01
343.09171	111.3	12.45	15.56	15.32	16.14	4.41E-21	5.13E-14	3.21E-13	4.46E-14	9.21E-01	4.20E-01	1.37E-01
343.18947	181.11	15.94	11.60	12.54	13.84	2.69E-34	5.11E-15	1.53E-14	4.04E-10	1.17E-02	8.99E-11	2.66E-04
343.21311	165.2	16.39	16.10	16.56	15.80	8.39E-10	4.50E-02	3.92E-01	1.97E-06	3.24E-04	4.48E-02	1.28E-09
343.22845	108.88	22.12	20.48	21.80	22.25	5.14E-15	1.24E-12	3.96E-01	9.40E-01	2.16E-08	5.12E-13	1.72E-01
343.25018	202.98	18.21	17.61	18.47	17.35	3.62E-06	3.58E-02	6.37E-01	1.12E-03	1.03E-03	6.84E-01	1.47E-05

343.2647	259.24	19.17	18.18	18.64	18.11	2.58E-13	9.50E-11	1.01E-03	1.70E-11	6.89E-03	9.68E-01	1.87E-03
343.28591	180.56	14.81	13.62	13.03	13.20	8.77E-08	1.07E-03	2.07E-07	7.16E-06	2.63E-01	5.92E-01	9.55E-01
343.94428	30.97	19.37	19.37	19.80	18.96	9.14E-03	1.00E+00	2.45E-01	3.02E-01	2.60E-01	3.37E-01	3.33E-03
343.96758	46.18	14.49	12.18	11.98	15.32	1.37E-20	3.20E-09	9.11E-11	1.03E-01	9.48E-01	7.97E-14	4.37E-14
343.97476	33.41	13.14	14.35	14.80	13.42	1.63E-10	1.92E-05	1.58E-09	6.99E-01	3.00E-01	3.45E-03	2.59E-06
343.99591	22.18	16.41	16.39	16.24	16.96	4.51E-01	1.00E+00	9.80E-01	6.24E-01	9.86E-01	6.24E-01	4.08E-01
344.03294	101.9	16.19	15.08	15.26	16.88	3.99E-08	1.83E-03	1.30E-02	1.18E-01	9.31E-01	3.21E-07	4.52E-06
344.1361	27.13	14.66	14.23	13.89	14.77	1.63E-01	7.33E-01	2.54E-01	9.94E-01	8.61E-01	6.14E-01	1.92E-01
344.13824	289.85	16.45	12.10	12.18	13.35	4.46E-21	4.25E-14	4.30E-14	8.14E-10	9.98E-01	4.51E-02	6.55E-02
344.15453	28.64	15.63	15.68	15.73	15.76	9.79E-01	9.99E-01	9.89E-01	9.78E-01	9.98E-01	9.94E-01	1.00E+00
344.23172	157.56	17.77	14.68	15.56	15.57	5.97E-15	4.93E-14	1.23E-08	4.32E-08	7.28E-02	8.46E-02	1.00E+00
344.25419	208.58	15.86	14.95	15.24	14.37	2.01E-03	7.35E-02	3.36E-01	7.95E-04	8.75E-01	4.61E-01	1.23E-01
344.26835	254.08	16.46	14.88	15.45	14.82	3.16E-13	4.10E-11	3.12E-05	2.89E-11	5.16E-02	9.95E-01	3.22E-02
344.28145	235.79	18.92	19.25	19.41	19.67	1.40E-03	2.87E-01	3.95E-02	6.26E-04	8.27E-01	1.41E-01	5.45E-01
344.8203	59.05	15.37	12.76	15.21	15.56	4.76E-36	5.11E-15	8.44E-01	7.70E-01	5.77E-15	5.11E-15	3.13E-01
344.83362	29.16	15.07	14.66	16.41	14.60	1.16E-02	9.02E-01	1.03E-01	8.67E-01	2.15E-02	1.00E+00	1.97E-02
344.84175	91.38	20.61	20.69	20.64	20.53	2.78E-01	7.07E-01	9.84E-01	7.69E-01	8.98E-01	2.08E-01	5.70E-01
344.85436	31.64	14.43	14.47	15.11	14.94	1.22E-01	1.00E+00	1.74E-01	4.58E-01	2.40E-01	5.49E-01	9.59E-01
344.89577	28.07	16.82	17.93	18.16	17.20	1.67E-08	1.59E-05	9.26E-08	3.77E-01	7.60E-01	1.56E-02	5.24E-04
344.90248	45.87	14.94	14.10	13.90	13.71	8.66E-02	3.56E-01	1.69E-01	8.85E-02	9.80E-01	8.83E-01	9.84E-01
344.93755	22.96	17.73	15.47	15.52	15.78	6.67E-11	4.57E-09	7.14E-09	9.46E-07	9.99E-01	8.40E-01	8.96E-01
344.9589	40.52	14.91	15.05	15.25	15.25	4.20E-01	9.36E-01	4.70E-01	5.09E-01	8.39E-01	8.58E-01	1.00E+00
344.96808	26.3	15.65	17.47	17.61	16.93	4.44E-33	5.77E-15	5.11E-15	6.20E-14	7.89E-01	3.08E-03	8.31E-05
344.9795	146.65	16.34	15.43	15.52	16.42	1.09E-13	8.46E-09	1.90E-07	9.47E-01	9.23E-01	2.72E-09	5.59E-08
344.97978	45.79	18.02	17.85	17.92	18.16	5.48E-01	8.51E-01	9.68E-01	9.18E-01	9.86E-01	5.06E-01	7.11E-01
345.02392	16.98	16.90	18.67	18.47	18.48	3.43E-17	5.28E-14	2.46E-12	9.54E-12	7.93E-01	8.31E-01	1.00E+00
345.0843	65.01	16.48	17.91	15.80	15.96	1.62E-79	5.11E-15	4.24E-14	2.48E-10	5.11E-15	5.11E-15	1.41E-01
345.1064	18.45	13.92	16.45	16.05	15.30	1.14E-13	5.15E-13	5.96E-10	1.92E-04	6.11E-01	3.81E-03	1.07E-01
345.13259	26.41	12.63	8.45	7.85	10.31	9.39E-09	1.66E-06	2.60E-08	2.35E-02	8.80E-01	1.16E-01	1.67E-02
345.20505	216.72	19.84	19.37	19.79	20.25	9.60E-14	1.19E-05	9.51E-01	2.42E-04	1.70E-04	4.83E-14	4.07E-05
345.20789	84.38	16.13	14.80	15.52	16.20	8.26E-05	2.91E-04	2.29E-01	9.96E-01	1.25E-01	2.95E-04	1.84E-01
345.22868	205.02	14.79	14.87	14.65	14.94	9.42E-01	9.98E-01	9.90E-01	9.89E-01	9.68E-01	9.99E-01	9.33E-01
345.23527	96.35	16.30	13.83	15.95	16.54	3.80E-17	9.75E-14	6.23E-01	8.59E-01	1.91E-10	5.05E-14	2.23E-01
345.24398	150.37	21.81	20.14	20.99	21.01	6.80E-13	7.68E-14	2.31E-04	6.11E-04	2.63E-04	3.05E-04	1.00E+00
345.84514	90.71	14.76	13.79	14.08	13.99	6.97E-08	6.82E-08	2.39E-04	4.57E-05	3.00E-01	6.47E-01	9.52E-01
345.89108	53.4	16.60	16.04	18.00	17.25	9.87E-28	1.60E-03	4.41E-14	2.03E-04	5.33E-15	4.80E-12	2.71E-05
345.91561	26.24	13.47	14.28	14.78	14.83	2.88E-06	1.94E-02	1.91E-05	1.79E-05	2.93E-01	2.38E-01	9.98E-01
345.94266	34.79	15.06	14.67	14.63	14.43	1.08E-01	4.09E-01	3.21E-01	8.01E-02	9.99E-01	8.23E-01	8.83E-01
345.9749	35.17	15.57	16.01	16.31	15.95	1.99E-07	2.21E-03	2.77E-08	1.40E-02	8.05E-02	9.69E-01	2.85E-02
346.05678	19.37	22.92	25.61	24.80	24.39	4.03E-22	2.13E-14	7.07E-13	5.19E-08	5.97E-03	1.55E-05	3.60E-01
346.12811	23.59	19.42	20.28	20.39	19.97	3.24E-14	1.09E-10	2.99E-13	8.21E-05	8.05E-01	8.06E-02	6.25E-03
346.20845	212.95	17.13	16.44	16.97	17.57	1.54E-14	1.49E-07	5.03E-01	3.51E-03	1.43E-04	4.36E-14	2.44E-05
346.24733	153.57	19.88	17.96	18.95	18.86	7.65E-18	4.11E-14	7.98E-06	2.22E-06	3.82E-06	5.71E-05	9.72E-01
346.28712	273.3	19.27	18.15	18.48	18.38	2.72E-19	4.07E-14	1.29E-10	3.32E-12	2.18E-02	2.05E-01	8.36E-01
346.83373	99.79	18.26	16.47	16.54	17.24	4.83E-24	3.60E-14	3.94E-14	6.55E-08	9.74E-01	1.35E-04	6.12E-04

346.8671	74.4	15.86	15.60	16.93	16.76	3.76E-17	3.79E-01	4.12E-10	4.48E-07	1.42E-13	2.66E-10	7.29E-01
346.89443	56.43	15.01	15.32	15.98	15.20	5.17E-03	6.96E-01	3.23E-03	9.22E-01	9.63E-02	9.75E-01	3.85E-02
346.91384	36.99	16.32	16.21	16.81	14.95	1.04E-05	9.88E-01	4.75E-01	8.76E-04	3.19E-01	3.82E-03	3.54E-06
346.9381	41.04	21.03	21.77	21.90	21.91	5.12E-19	8.83E-12	4.42E-14	4.56E-14	5.59E-01	5.04E-01	9.99E-01
346.96492	26.41	13.45	14.94	15.26	15.01	6.60E-18	1.32E-11	4.39E-14	5.02E-12	4.01E-01	9.87E-01	6.37E-01
347.00082	20.56	18.73	20.38	20.23	19.94	9.69E-31	5.33E-15	1.07E-14	4.32E-14	6.72E-01	8.28E-03	1.45E-01
347.03082	16.78	12.89	14.13	14.75	13.53	4.56E-07	1.09E-03	2.08E-07	2.32E-01	2.60E-01	3.00E-01	2.60E-03
347.04097	27.37	22.29	26.16	25.97	24.99	9.77E-31	5.33E-15	7.33E-15	5.70E-14	9.27E-01	2.11E-03	1.39E-02
347.10369	18.14	13.61	16.19	15.41	14.96	4.04E-06	1.35E-06	1.23E-03	3.32E-02	3.89E-01	8.03E-02	8.19E-01
347.13346	22.6	15.67	16.64	16.84	16.39	2.52E-07	3.37E-05	2.41E-07	4.75E-03	7.69E-01	6.76E-01	1.65E-01
347.17191	215.17	17.79	19.57	19.58	18.49	1.23E-34	5.11E-15	5.11E-15	6.85E-06	1.00E+00	1.67E-11	7.19E-12
347.18464	39.32	17.30	16.31	17.03	18.10	2.64E-07	3.19E-03	7.77E-01	2.93E-02	6.26E-02	4.23E-08	1.95E-03
347.22106	236.97	22.20	21.97	22.17	22.50	2.75E-10	6.35E-03	9.66E-01	1.36E-04	3.06E-02	2.68E-11	2.91E-05
347.24472	223.36	17.44	16.87	16.36	16.92	1.01E-05	3.13E-02	1.58E-06	7.05E-02	7.12E-02	9.95E-01	4.55E-02
347.25971	179.45	22.22	20.72	21.57	21.69	1.10E-14	4.36E-14	6.46E-04	1.16E-02	7.11E-06	6.04E-07	9.04E-01
347.88829	57.2	11.94	10.57	13.20	11.85	4.23E-06	1.92E-02	3.60E-02	9.97E-01	5.96E-07	4.98E-02	3.14E-02
347.94161	47.08	16.48	17.24	17.40	17.41	3.82E-15	5.94E-09	1.13E-12	3.58E-12	5.25E-01	5.04E-01	1.00E+00
348.02372	28.37	14.13	15.52	15.89	14.85	1.94E-37	7.33E-15	5.11E-15	3.11E-08	1.27E-02	5.69E-07	5.55E-14
348.03793	17.78	15.08	18.43	18.43	17.67	2.56E-33	5.11E-15	5.11E-15	4.17E-14	1.00E+00	2.97E-02	2.61E-02
348.04433	22.91	18.80	22.79	22.49	21.63	4.68E-33	5.11E-15	5.77E-15	4.24E-14	7.56E-01	1.59E-03	3.16E-02
348.06096	18.33	15.90	18.70	17.57	17.39	2.77E-15	4.15E-14	4.94E-07	2.06E-05	2.14E-03	3.80E-04	9.37E-01
348.08803	18.23	16.47	17.31	16.81	16.91	4.32E-03	1.48E-03	4.37E-01	2.41E-01	1.33E-01	3.31E-01	9.75E-01
348.17499	215.61	14.01	15.78	15.78	14.59	5.54E-21	4.13E-14	4.42E-14	1.80E-02	1.00E+00	1.17E-07	9.92E-08
348.18801	39.56	14.49	13.21	13.39	14.98	2.03E-07	6.98E-04	4.52E-03	4.71E-01	9.49E-01	4.00E-06	3.61E-05
348.2245	238.98	19.74	19.40	19.64	19.97	1.68E-11	1.31E-05	4.64E-01	8.40E-03	5.27E-03	2.38E-12	5.79E-05
348.26306	176.58	20.09	18.45	19.40	19.50	2.46E-16	4.23E-14	3.48E-04	5.52E-03	9.54E-07	1.12E-07	9.30E-01
348.30248	299.5	15.92	15.55	16.36	15.61	2.54E-03	3.63E-01	2.10E-01	5.43E-01	3.21E-03	9.95E-01	9.79E-03
348.83124	111.99	16.13	14.10	14.43	14.70	1.35E-23	2.62E-14	4.33E-14	5.33E-12	2.94E-01	1.15E-02	4.92E-01
348.8493	109.96	16.23	12.76	11.09	13.18	3.06E-17	3.23E-09	4.12E-14	4.43E-07	1.28E-02	8.80E-01	1.33E-03
348.85458	56.8	18.13	18.36	19.37	19.23	8.75E-21	3.27E-01	4.22E-14	5.11E-13	2.04E-11	2.07E-08	7.61E-01
348.87562	59.06	20.49	19.17	20.65	20.52	1.04E-38	5.11E-15	3.44E-01	9.86E-01	5.11E-15	5.11E-15	6.03E-01
348.89651	49.61	23.06	24.32	24.66	24.46	9.13E-48	5.11E-15	5.11E-15	5.11E-15	1.14E-03	4.09E-01	1.48E-01
348.90669	17.75	14.80	17.21	17.24	16.65	7.18E-33	5.33E-15	5.11E-15	4.13E-14	9.99E-01	2.59E-02	1.62E-02
348.9353	46.23	17.27	17.10	17.27	17.39	1.51E-01	4.83E-01	1.00E+00	7.57E-01	5.02E-01	9.81E-02	7.67E-01
348.94305	41.15	15.36	15.16	15.36	15.45	4.28E-01	6.41E-01	1.00E+00	9.55E-01	6.82E-01	3.71E-01	9.47E-01
348.95619	33.2	14.00	14.37	15.32	12.92	3.76E-06	8.11E-01	9.18E-03	6.16E-02	1.23E-01	6.56E-03	7.37E-07
348.97482	27.95	14.64	13.80	15.37	16.09	5.43E-13	1.17E-02	3.66E-02	2.92E-06	2.75E-07	5.25E-13	5.92E-02
349.00005	20.93	15.82	16.92	17.18	16.09	7.42E-06	1.31E-03	3.17E-05	8.13E-01	8.26E-01	3.83E-02	2.63E-03
349.02483	24.02	16.22	16.75	17.08	16.95	1.52E-03	1.00E-01	1.28E-03	1.23E-02	5.11E-01	8.48E-01	9.52E-01
349.04437	30.32	16.10	20.65	19.46	18.53	4.92E-28	5.11E-15	4.34E-14	9.41E-10	5.49E-03	1.95E-07	5.87E-02
349.05499	17.7	13.98	15.47	13.90	14.49	1.36E-07	1.43E-06	9.91E-01	2.97E-01	5.75E-07	5.31E-03	1.88E-01
349.06133	44.85	14.95	15.91	16.08	14.97	2.88E-04	1.67E-02	2.61E-03	1.00E+00	9.53E-01	3.06E-02	6.00E-03
349.16853	219.48	9.10	13.54	13.33	11.19	1.22E-18	4.26E-14	4.93E-14	2.96E-04	9.76E-01	5.54E-05	2.56E-04
349.20566	226.49	19.01	17.59	17.67	18.32	4.29E-20	4.42E-14	4.26E-14	6.85E-05	9.41E-01	3.00E-05	2.64E-04
349.23702	262.19	21.44	21.49	21.60	22.02	4.71E-09	9.33E-01	2.71E-01	7.28E-09	6.44E-01	3.60E-07	6.11E-05

349.26587	176.38	16.18	13.55	15.10	15.63	4.05E-14	6.14E-14	2.77E-03	3.17E-01	1.07E-05	5.62E-09	3.45E-01
349.27509	275.56	20.14	19.40	20.10	20.20	6.20E-06	6.94E-05	9.96E-01	9.82E-01	2.40E-04	3.97E-05	9.41E-01
349.87891	71.7	15.48	14.20	14.88	14.78	1.51E-11	1.07E-12	1.51E-03	2.43E-04	3.32E-04	4.68E-03	9.35E-01
349.89984	43.31	18.66	19.97	20.29	20.13	4.18E-47	5.11E-15	5.11E-15	5.11E-15	5.46E-03	4.03E-01	3.37E-01
349.91036	31.41	16.89	17.17	17.27	17.04	1.74E-01	4.17E-01	1.39E-01	8.42E-01	9.36E-01	9.14E-01	6.07E-01
349.99893	34.5	14.82	14.46	14.71	15.08	2.13E-01	5.59E-01	9.76E-01	8.07E-01	8.16E-01	1.53E-01	5.82E-01
350.01758	27.82	16.68	15.91	15.85	16.28	1.91E-12	1.13E-09	3.54E-11	4.92E-03	9.55E-01	1.32E-02	2.30E-03
350.02424	29.99	16.53	15.72	15.84	15.88	4.34E-06	1.06E-05	1.82E-04	7.89E-04	9.04E-01	8.16E-01	9.96E-01
350.03197	24.54	15.14	14.55	14.62	14.82	3.84E-01	3.86E-01	4.83E-01	8.29E-01	9.98E-01	9.05E-01	9.55E-01
350.0438	31.98	15.08	17.60	16.38	14.90	4.89E-22	4.52E-14	5.00E-06	9.08E-01	3.76E-05	4.33E-14	7.65E-07
350.05825	42.42	14.63	17.29	17.74	15.89	4.22E-23	4.33E-14	3.33E-14	2.10E-04	4.38E-01	5.10E-05	3.52E-08
350.07266	30.46	16.47	16.37	16.88	16.43	7.50E-02	9.68E-01	1.89E-01	9.98E-01	8.13E-02	9.93E-01	1.70E-01
350.08017	27.96	15.80	13.40	14.84	14.37	6.05E-16	4.37E-14	1.14E-03	8.66E-07	6.59E-07	2.41E-03	3.01E-01
350.15565	27.19	18.43	17.54	17.97	17.62	2.12E-13	2.29E-12	4.23E-04	5.55E-10	1.83E-03	8.94E-01	2.45E-02
350.24011	264.99	18.85	18.29	18.66	19.23	1.21E-11	1.21E-05	3.19E-01	8.54E-03	1.11E-02	2.23E-12	2.06E-05
350.27861	273.15	17.43	16.61	17.12	17.04	3.15E-01	2.31E-01	8.84E-01	8.18E-01	6.59E-01	7.78E-01	9.98E-01
350.78694	82.84	15.78	15.96	16.20	16.14	8.50E-04	3.63E-01	9.15E-04	9.34E-03	1.47E-01	4.17E-01	9.52E-01
350.83391	55.93	22.29	22.46	23.30	23.00	9.87E-28	1.91E-01	7.55E-15	2.19E-13	4.27E-14	4.25E-08	5.12E-03
350.84341	43.96	14.29	13.42	14.34	12.90	3.69E-06	1.99E-02	9.98E-01	5.67E-05	1.44E-02	3.60E-01	4.06E-05
350.84685	62.42	13.96	8.46	9.00	10.71	4.83E-17	4.33E-14	2.98E-13	4.34E-06	8.33E-01	3.80E-03	4.26E-02
350.8545	61.27	18.47	18.30	19.26	18.94	8.89E-28	1.24E-01	4.20E-14	1.65E-07	7.55E-15	2.77E-12	6.24E-04
350.89289	44.89	20.65	21.39	21.75	21.64	2.37E-44	1.80E-14	5.11E-15	5.11E-15	1.00E-06	2.07E-03	3.68E-01
350.90084	47.59	16.21	17.17	17.34	17.15	2.58E-37	5.33E-15	5.11E-15	9.33E-15	1.61E-01	9.89E-01	9.01E-02
350.94616	30.43	14.83	14.56	15.39	14.56	3.68E-04	5.70E-01	3.82E-02	6.06E-01	8.02E-04	1.00E+00	1.25E-03
350.99832	68.74	15.32	15.79	16.74	17.14	4.89E-21	4.46E-02	4.94E-13	4.11E-14	3.00E-06	6.77E-11	1.32E-01
351.03878	31.88	17.34	16.61	16.95	16.87	9.99E-03	4.38E-03	2.59E-01	1.52E-01	4.08E-01	6.47E-01	9.87E-01
351.05802	18.43	18.11	19.50	19.32	19.40	3.74E-17	5.68E-14	8.79E-12	2.41E-12	6.99E-01	9.35E-01	9.67E-01
351.19474	226.45	18.75	18.01	18.26	18.13	2.03E-05	1.87E-05	9.83E-03	8.21E-04	3.67E-01	8.68E-01	8.50E-01
351.21888	25.31	21.31	20.55	21.04	22.10	1.48E-06	2.15E-02	7.25E-01	1.83E-02	2.64E-01	3.51E-07	7.87E-04
351.22133	264.55	21.57	21.62	21.65	21.90	7.02E-02	9.86E-01	9.24E-01	5.80E-02	9.93E-01	1.46E-01	2.36E-01
351.2215	183.16	16.88	16.48	16.91	16.43	7.15E-02	2.93E-01	9.99E-01	2.08E-01	2.49E-01	9.96E-01	1.75E-01
351.25242	45.58	15.84	15.36	15.72	16.01	1.46E-02	6.41E-02	9.20E-01	8.45E-01	2.65E-01	9.70E-03	4.96E-01
351.25332	278.57	19.14	19.14	19.66	19.43	1.52E-06	1.00E+00	1.00E-05	4.29E-02	1.96E-05	5.23E-02	1.69E-01
351.83728	56.34	17.39	17.00	18.51	18.15	1.96E-34	1.58E-03	3.64E-14	2.85E-10	5.11E-15	4.15E-14	6.57E-03
351.89775	49.52	15.41	16.30	16.58	16.44	2.20E-23	1.58E-13	3.24E-14	4.42E-14	6.79E-02	6.15E-01	6.42E-01
351.99563	62.37	16.03	17.95	18.39	17.96	8.06E-20	5.91E-13	4.40E-14	1.71E-12	2.98E-01	1.00E+00	3.33E-01
352.06128	17.88	14.72	15.65	15.50	15.73	3.68E-04	1.96E-03	1.36E-02	9.62E-04	9.32E-01	9.92E-01	8.22E-01
352.22223	23.15	18.79	17.69	18.37	19.38	1.08E-04	9.64E-03	6.07E-01	3.64E-01	2.30E-01	4.56E-05	3.12E-02
352.22497	259.33	18.06	17.73	17.65	17.17	4.77E-02	7.02E-01	5.17E-01	2.39E-02	9.93E-01	2.97E-01	4.36E-01
352.25628	288.07	16.13	15.21	15.85	15.58	1.07E-05	4.21E-06	3.91E-01	1.64E-02	3.49E-03	2.16E-01	4.81E-01
352.28611	177.59	15.06	12.46	14.03	13.95	4.03E-24	6.22E-15	1.17E-05	5.15E-06	4.63E-11	1.30E-09	9.86E-01
352.7845	94.94	13.82	14.78	14.67	14.58	5.13E-02	6.03E-02	1.10E-01	2.11E-01	9.93E-01	9.62E-01	9.96E-01
352.82216	93.47	13.32	13.83	13.90	13.99	6.95E-03	6.52E-02	2.63E-02	9.71E-03	9.90E-01	8.90E-01	9.75E-01
352.83208	55.75	20.39	20.46	21.38	21.08	4.93E-28	8.28E-01	1.24E-14	2.03E-12	4.04E-14	8.67E-10	4.57E-03
352.839	38.6	12.28	14.11	8.04	10.02	2.50E-15	3.88E-02	1.19E-08	8.13E-03	4.75E-14	2.64E-07	3.03E-02

352.84946	50.82	21.70	21.81	22.76	22.50	2.38E-31	5.96E-01	5.77E-15	4.26E-14	3.33E-14	4.76E-12	2.28E-02
352.86589	141.32	14.69	14.13	13.59	14.86	9.20E-04	3.35E-01	4.80E-03	9.56E-01	3.66E-01	1.58E-01	1.55E-03
352.8835	40.95	14.63	12.50	14.47	14.20	1.12E-03	1.37E-03	9.91E-01	8.84E-01	4.88E-03	2.63E-02	9.72E-01
352.88938	57.57	17.33	16.02	17.40	17.34	7.29E-42	5.11E-15	8.18E-01	9.99E-01	5.11E-15	5.11E-15	9.01E-01
352.90421	38.99	15.91	15.39	15.61	15.83	4.58E-04	4.53E-04	8.81E-02	9.37E-01	3.51E-01	7.28E-03	3.46E-01
352.94572	31.79	14.67	13.09	12.47	13.88	4.68E-03	6.42E-02	3.16E-03	6.26E-01	7.75E-01	6.33E-01	1.46E-01
352.99812	25.91	15.06	13.66	12.53	14.98	1.29E-05	5.76E-02	3.70E-05	9.99E-01	1.87E-01	1.13E-01	1.98E-04
353.01372	43.43	13.46	14.15	15.94	16.25	1.28E-10	3.98E-01	1.76E-07	1.31E-08	4.18E-04	4.49E-05	9.06E-01
353.03526	23.57	16.00	15.69	15.12	14.45	1.43E-03	8.57E-01	1.14E-01	1.04E-03	4.99E-01	1.83E-02	3.77E-01
353.05303	197.13	13.67	13.98	14.30	13.35	2.20E-03	6.01E-01	4.89E-02	5.65E-01	5.61E-01	7.27E-02	1.37E-03
353.09708	22.69	16.95	18.10	18.52	17.75	1.10E-19	7.83E-12	4.06E-14	4.05E-06	3.80E-02	1.37E-01	1.68E-05
353.11284	55.37	14.98	21.39	13.71	13.96	4.05E-143	5.11E-15	4.22E-14	2.84E-12	5.11E-15	5.11E-15	2.56E-01
353.13391	29.16	13.34	16.22	11.25	11.94	9.80E-91	5.11E-15	5.11E-15	4.20E-14	5.11E-15	5.11E-15	5.41E-05
353.15083	28.22	16.41	16.77	16.80	16.14	3.57E-03	2.48E-01	1.71E-01	5.44E-01	9.98E-01	1.32E-02	7.19E-03
353.16013	202.72	15.29	15.35	15.69	15.63	4.16E-01	9.97E-01	4.84E-01	6.48E-01	6.37E-01	7.82E-01	9.97E-01
353.16601	247.9	16.19	16.68	16.87	16.89	3.73E-02	2.80E-01	5.56E-02	5.82E-02	8.90E-01	8.72E-01	1.00E+00
353.17432	75.3	14.49	13.85	14.15	14.69	1.18E-02	6.29E-02	5.40E-01	8.77E-01	6.59E-01	1.17E-02	1.90E-01
353.20068	289.97	17.49	19.10	19.71	18.04	9.23E-53	5.11E-15	5.11E-15	2.69E-05	2.37E-06	4.44E-14	5.11E-15
353.20091	161.12	18.88	19.13	18.71	19.73	2.68E-06	5.40E-01	7.93E-01	7.23E-05	1.25E-01	1.23E-02	2.01E-06
353.21157	264.06	20.25	20.21	20.39	20.15	1.16E-02	9.40E-01	2.10E-01	4.81E-01	7.03E-02	8.30E-01	7.22E-03
353.21544	173.74	17.71	18.54	17.86	18.50	1.71E-06	4.24E-05	8.13E-01	1.70E-04	1.86E-03	9.97E-01	5.20E-03
353.22535	26.67	14.80	12.79	13.43	15.46	9.21E-13	1.26E-07	4.84E-04	2.48E-01	2.72E-01	2.69E-11	3.39E-07
353.23435	81.46	15.20	11.30	13.82	14.86	2.79E-18	4.49E-14	4.45E-03	8.47E-01	3.97E-08	1.43E-13	7.68E-02
353.23436	21.72	19.63	18.38	18.99	20.23	1.95E-09	2.60E-05	7.18E-02	1.30E-01	1.15E-01	1.91E-09	7.68E-05
353.23531	176.42	14.82	14.80	15.00	13.66	3.64E-11	1.00E+00	7.53E-01	1.91E-08	7.11E-01	7.76E-08	1.86E-10
353.27001	273.58	19.09	18.67	19.03	18.99	2.20E-02	1.83E-02	9.76E-01	8.93E-01	6.42E-02	1.54E-01	9.90E-01
353.2703	191	15.60	13.91	14.36	14.87	2.80E-23	1.75E-14	6.98E-14	1.68E-05	1.90E-02	2.84E-08	6.49E-03
353.28179	260.7	17.71	16.97	17.19	17.02	3.56E-04	6.27E-04	2.78E-02	2.20E-03	6.66E-01	9.96E-01	8.17E-01
353.30676	274.61	17.28	18.11	18.36	17.80	8.75E-04	1.39E-02	5.44E-04	2.48E-01	8.15E-01	7.06E-01	2.14E-01
353.83545	67.25	15.25	14.32	16.11	15.73	1.08E-20	3.27E-07	2.45E-06	2.49E-02	3.66E-14	2.67E-13	1.40E-01
353.85289	58.77	16.82	16.20	17.92	17.58	2.48E-31	1.06E-05	4.55E-14	8.46E-08	5.11E-15	4.01E-14	6.09E-02
354.00855	30.33	15.04	15.01	15.37	15.47	7.94E-01	1.00E+00	9.24E-01	8.58E-01	9.18E-01	8.51E-01	9.98E-01
354.02794	20.63	18.01	19.64	19.69	19.45	3.03E-39	5.11E-15	5.11E-15	7.11E-15	9.86E-01	3.85E-01	2.14E-01
354.07354	20.53	21.21	22.59	22.60	22.27	2.19E-28	1.38E-14	1.04E-14	5.13E-14	1.00E+00	5.21E-02	4.12E-02
354.11647	63.6	16.82	18.28	16.24	16.36	3.14E-89	5.11E-15	4.26E-14	1.42E-10	5.11E-15	5.11E-15	2.32E-01
354.20408	153.05	16.18	16.22	15.65	16.95	5.66E-07	9.97E-01	5.53E-02	2.37E-03	3.99E-02	6.36E-03	7.06E-08
354.21499	257.97	17.17	17.18	17.38	16.97	1.73E-03	9.98E-01	1.35E-01	1.95E-01	2.16E-01	1.57E-01	4.89E-04
354.21893	166.84	15.03	15.84	14.85	15.89	1.25E-05	5.36E-03	8.92E-01	3.74E-03	5.68E-04	9.98E-01	3.99E-04
354.2378	25.64	17.06	14.79	15.98	17.55	1.06E-11	1.48E-08	1.70E-02	5.49E-01	8.32E-03	6.22E-11	3.16E-04
354.24771	199.47	15.07	15.48	16.42	14.85	3.93E-06	5.15E-01	5.65E-05	8.92E-01	1.36E-02	1.91E-01	7.24E-06
354.3018	180.24	15.42	14.09	15.50	14.96	3.57E-13	3.90E-11	9.71E-01	6.79E-02	7.14E-12	6.92E-05	2.54E-02
354.81072	87.73	15.42	16.10	16.53	16.48	5.75E-25	6.47E-10	2.31E-14	4.24E-14	2.42E-04	2.74E-03	9.56E-01
354.8205	85.34	15.11	14.02	14.86	15.09	1.60E-13	2.97E-12	2.95E-01	9.99E-01	1.20E-07	7.24E-11	4.17E-01
354.83025	56.97	16.75	15.91	17.76	17.40	4.34E-44	2.73E-13	4.35E-14	2.12E-08	5.11E-15	5.11E-15	7.13E-03
354.84173	48.12	17.68	16.17	17.16	16.70	2.04E-11	7.87E-12	4.30E-02	1.98E-05	1.67E-05	6.32E-02	1.34E-01

354.84982	42.53	19.70	19.49	20.76	20.51	3.75E-26	2.63E-01	4.31E-14	2.80E-10	3.06E-14	6.57E-14	1.66E-01
354.86278	43.95	20.39	20.35	20.51	20.81	2.72E-03	9.90E-01	7.67E-01	6.27E-03	6.00E-01	3.18E-03	9.81E-02
354.88135	41.31	12.90	11.38	12.44	11.91	5.25E-02	3.84E-02	8.43E-01	3.20E-01	2.60E-01	8.14E-01	8.05E-01
354.90411	161.3	18.06	16.15	15.77	16.94	1.33E-32	1.60E-14	5.11E-15	3.07E-09	1.26E-01	5.78E-05	9.57E-10
354.92547	33.01	20.12	22.01	21.63	21.67	8.85E-20	4.33E-14	8.61E-13	1.15E-12	2.10E-01	3.43E-01	9.96E-01
354.96602	33.23	16.07	13.62	13.27	14.38	9.27E-13	1.75E-09	4.07E-12	8.42E-05	7.83E-01	2.12E-01	2.26E-02
354.99612	26.03	16.29	17.19	17.25	16.49	4.81E-06	2.56E-04	7.16E-05	8.17E-01	9.94E-01	1.17E-02	4.74E-03
355.03139	21.29	15.28	15.34	15.53	15.34	8.79E-01	9.97E-01	8.59E-01	9.98E-01	9.40E-01	1.00E+00	9.40E-01
355.0679	20.88	15.11	14.54	14.91	14.71	2.34E-01	1.94E-01	8.96E-01	5.40E-01	5.83E-01	9.36E-01	9.17E-01
355.07705	17.64	17.33	18.78	18.88	18.50	5.14E-29	1.91E-14	6.22E-15	4.21E-14	8.64E-01	1.66E-01	2.46E-02
355.11046	173.15	14.55	15.25	15.16	14.01	9.28E-10	1.42E-03	6.48E-03	2.98E-02	9.68E-01	1.38E-08	1.12E-07
355.11099	64.98	7.51	16.84	8.25	7.72	9.81E-64	5.11E-15	2.97E-01	9.61E-01	5.11E-15	5.11E-15	6.40E-01
355.25046	196.1	15.74	16.67	16.93	14.39	6.57E-13	1.87E-02	1.06E-03	3.00E-04	8.51E-01	5.61E-10	3.71E-12
355.26544	254.56	23.56	22.96	23.55	23.44	1.34E-05	3.86E-05	1.00E+00	8.12E-01	7.49E-05	2.96E-03	8.50E-01
355.85107	60.03	15.09	12.71	15.29	15.03	4.25E-29	1.87E-14	7.52E-01	9.93E-01	7.11E-15	3.95E-14	6.20E-01
355.92878	35.72	16.17	17.81	17.65	17.28	3.43E-15	1.25E-13	7.72E-12	8.37E-07	8.59E-01	5.62E-02	2.79E-01
355.98106	27.67	14.01	14.75	14.49	14.90	2.00E-02	6.05E-02	3.52E-01	1.94E-02	8.25E-01	9.66E-01	5.56E-01
356.0075	30.65	13.60	14.00	14.61	14.40	6.10E-03	5.59E-01	5.10E-03	5.05E-02	2.00E-01	5.80E-01	9.18E-01
356.05285	20.87	14.02	14.03	14.87	15.42	2.60E-06	1.00E+00	1.67E-02	2.10E-05	2.45E-02	4.48E-05	2.56E-01
356.05974	21.64	14.80	13.35	12.55	13.08	7.23E-10	1.06E-04	3.98E-10	5.34E-06	8.58E-02	8.71E-01	4.14E-01
356.07786	20.56	14.99	16.05	16.29	15.98	2.08E-07	4.99E-05	2.96E-07	2.67E-04	7.41E-01	9.92E-01	5.83E-01
356.12207	30.1	17.56	19.17	19.41	17.89	7.36E-09	1.05E-05	2.65E-07	7.63E-01	8.99E-01	1.51E-03	9.36E-05
356.2264	152.86	16.65	16.62	16.47	16.28	3.36E-01	9.99E-01	8.22E-01	3.32E-01	8.97E-01	4.35E-01	8.37E-01
356.26824	250.48	21.51	20.85	21.49	21.36	6.33E-07	2.39E-06	1.00E+00	6.81E-01	6.08E-06	8.20E-04	7.48E-01
356.28128	166.27	14.14	12.75	13.36	13.05	8.45E-07	5.04E-07	1.08E-02	2.03E-04	8.01E-02	6.62E-01	6.36E-01
356.3425	19.27	12.88	12.20	10.69	16.02	2.65E-36	1.51E-01	3.98E-10	4.14E-14	4.37E-05	2.09E-14	5.11E-15
356.79042	93.31	11.54	14.01	14.00	14.00	5.39E-12	2.87E-09	2.33E-09	8.39E-09	1.00E+00	1.00E+00	1.00E+00
356.80007	89.15	14.13	14.62	15.18	15.29	8.33E-06	1.90E-01	1.14E-04	3.72E-05	1.07E-01	4.83E-02	9.77E-01
356.80888	87.35	13.24	13.60	13.66	13.98	2.35E-04	1.08E-01	4.46E-02	5.98E-05	9.88E-01	1.15E-01	2.15E-01
356.82665	80.49	11.40	13.52	13.91	14.55	6.03E-12	4.48E-06	2.88E-08	1.78E-11	7.91E-01	8.74E-02	4.52E-01
356.83925	51.32	16.84	15.07	15.60	15.76	9.63E-19	4.36E-14	7.83E-11	3.86E-08	1.73E-02	1.51E-03	8.35E-01
356.84664	44.2	16.19	15.18	17.04	16.71	1.34E-29	2.63E-11	1.52E-08	1.70E-03	5.11E-15	3.77E-14	1.05E-01
356.86161	37.26	17.03	17.48	17.24	17.41	6.29E-01	6.11E-01	9.42E-01	7.54E-01	9.15E-01	9.97E-01	9.72E-01
356.92014	144.08	16.16	13.95	14.26	14.61	3.00E-18	4.29E-14	2.47E-13	5.43E-09	5.65E-01	4.24E-02	4.96E-01
356.9412	38.85	19.01	21.18	20.84	20.83	3.43E-23	3.71E-14	4.29E-14	4.85E-14	3.68E-01	3.66E-01	1.00E+00
356.99152	17.85	19.07	19.66	19.49	19.85	2.80E-02	1.06E-01	3.73E-01	2.15E-02	9.10E-01	9.13E-01	5.56E-01
357.09019	20.39	20.96	20.90	20.48	20.07	6.06E-06	9.86E-01	3.73E-02	1.44E-05	1.06E-01	1.08E-04	1.28E-01
357.18397	89.87	14.49	12.47	14.71	15.42	8.22E-15	1.93E-08	9.04E-01	2.90E-02	9.84E-10	5.51E-14	1.59E-01
357.22986	167.37	13.66	12.76	14.88	12.73	8.16E-05	2.80E-01	6.61E-02	2.76E-01	2.62E-04	1.00E+00	3.20E-04
357.27093	250.32	18.10	17.16	18.06	18.06	1.03E-10	3.22E-09	9.93E-01	9.95E-01	2.80E-08	7.38E-08	1.00E+00
357.2803	268.44	23.88	23.16	23.65	23.38	9.53E-07	6.88E-07	2.86E-01	1.32E-03	1.89E-03	4.07E-01	1.96E-01
357.86644	67.97	14.78	10.82	13.48	12.28	5.85E-08	2.25E-08	1.80E-01	1.13E-03	4.14E-04	1.44E-01	2.81E-01
357.91979	30.58	14.81	15.28	14.79	14.18	2.91E-02	5.14E-01	1.00E+00	2.72E-01	4.88E-01	1.29E-02	3.22E-01
357.93433	31.19	14.40	15.66	15.67	14.62	6.48E-05	1.22E-03	8.70E-04	9.13E-01	1.00E+00	1.95E-02	1.55E-02
357.94587	33.52	14.70	16.66	16.49	16.32	7.34E-18	4.29E-14	1.86E-13	8.53E-11	8.69E-01	4.49E-01	8.78E-01

357.96012	36.06	15.83	14.59	14.28	14.34	3.05E-06	8.63E-04	1.38E-05	5.88E-05	7.90E-01	8.80E-01	9.99E-01
357.99488	17.24	14.78	14.32	13.76	15.10	3.72E-03	6.03E-01	2.72E-02	8.26E-01	4.29E-01	1.87E-01	3.06E-03
358.00446	19.81	15.35	15.51	15.73	16.31	1.12E-02	9.48E-01	5.34E-01	7.32E-03	8.66E-01	4.33E-02	2.27E-01
358.09376	20.56	17.65	17.29	16.97	16.59	1.75E-07	1.84E-01	7.43E-04	8.00E-08	2.75E-01	9.64E-04	1.56E-01
358.24137	178.11	20.42	20.38	20.40	19.89	2.71E-01	9.99E-01	1.00E+00	2.94E-01	1.00E+00	3.87E-01	3.60E-01
358.28363	268	21.78	21.02	21.58	21.32	4.76E-07	2.81E-07	4.72E-01	5.91E-03	2.86E-04	1.43E-01	2.40E-01
358.29711	236.34	18.75	18.29	18.51	18.79	4.75E-02	7.97E-02	5.85E-01	9.97E-01	6.75E-01	6.85E-02	5.08E-01
358.80012	87.31	18.62	19.39	19.47	19.09	1.07E-15	4.08E-12	6.75E-14	6.08E-05	8.85E-01	2.47E-02	2.35E-03
358.84373	16.86	14.17	9.27	9.81	10.63	3.76E-25	2.00E-14	4.22E-14	6.75E-13	6.14E-01	1.72E-02	2.74E-01
358.85984	99.58	17.46	15.30	15.80	15.89	2.78E-18	4.31E-14	1.22E-11	4.81E-10	1.27E-01	6.57E-02	9.84E-01
358.87832	138.51	10.18	17.44	9.62	9.31	8.39E-25	4.32E-14	8.68E-01	6.59E-01	4.09E-14	4.02E-14	9.78E-01
358.87858	53.91	20.22	19.28	18.60	19.35	1.33E-14	2.79E-06	4.29E-14	2.99E-05	2.09E-03	9.82E-01	7.24E-04
358.91252	32.04	10.83	13.80	13.99	11.64	2.07E-04	2.54E-03	9.99E-04	7.78E-01	9.96E-01	7.07E-02	3.88E-02
358.93693	41.17	14.93	16.41	16.28	16.61	1.26E-16	3.78E-12	1.28E-10	6.27E-14	9.18E-01	7.39E-01	3.51E-01
358.99546	41.41	16.21	14.39	13.96	15.06	4.80E-06	3.13E-04	3.91E-06	5.80E-02	7.85E-01	4.74E-01	8.61E-02
359.00353	18.52	13.92	15.37	15.20	15.84	4.98E-05	2.28E-03	8.95E-03	4.02E-05	9.74E-01	7.02E-01	4.35E-01
359.04953	19.31	14.05	16.65	17.27	17.22	2.38E-28	4.36E-14	1.02E-14	2.26E-14	1.32E-01	2.10E-01	9.99E-01
359.08625	21.85	15.37	15.45	12.79	13.13	2.40E-10	9.98E-01	3.04E-07	2.25E-05	3.14E-07	2.03E-05	8.99E-01
359.09353	31.38	16.34	14.63	14.67	14.91	1.54E-11	1.11E-09	1.90E-09	7.81E-07	9.99E-01	7.31E-01	8.09E-01
359.12572	16.99	15.30	17.52	17.48	17.76	2.51E-18	3.09E-13	4.28E-13	4.70E-14	9.99E-01	8.41E-01	7.71E-01
359.17631	209.72	15.41	13.68	13.98	15.10	4.68E-10	1.83E-08	3.21E-06	7.12E-01	7.24E-01	1.55E-05	8.92E-04
359.22043	213.56	18.21	16.19	16.69	17.70	4.00E-14	5.44E-13	3.59E-08	2.14E-01	2.16E-01	2.66E-07	9.57E-04
359.22349	39.89	17.73	16.61	16.75	17.86	2.26E-04	6.01E-03	1.98E-02	9.81E-01	9.78E-01	3.08E-03	1.02E-02
359.24584	281.9	10.89	16.31	15.73	10.58	3.86E-19	1.09E-12	1.12E-10	9.71E-01	8.45E-01	9.61E-13	7.96E-11
359.28054	268.97	18.53	17.64	17.85	17.68	9.03E-06	3.12E-05	2.50E-03	1.26E-04	6.82E-01	9.97E-01	8.13E-01
359.28691	269.22	17.74	17.08	17.72	17.48	6.59E-04	1.03E-03	1.00E+00	4.54E-01	1.96E-03	1.33E-01	5.31E-01
359.29628	286.51	23.86	23.35	23.78	23.54	1.88E-03	2.17E-03	9.40E-01	1.18E-01	1.69E-02	5.97E-01	3.56E-01
359.88386	34.54	16.49	16.20	15.79	16.65	1.28E-06	2.48E-01	5.40E-05	7.59E-01	5.05E-02	3.52E-02	1.98E-06
359.91839	37.48	18.30	18.04	18.42	17.55	5.22E-02	8.55E-01	9.80E-01	1.00E-01	6.55E-01	4.49E-01	4.55E-02
359.94879	29.69	13.38	15.27	15.27	14.66	3.65E-22	4.17E-14	4.31E-14	2.16E-09	1.00E+00	1.51E-02	1.33E-02
359.96979	33.81	11.39	13.56	14.24	11.57	4.20E-10	4.07E-05	2.78E-08	9.83E-01	4.94E-01	4.82E-04	9.39E-07
359.99081	33.97	14.97	14.20	14.66	14.58	5.01E-02	2.53E-02	6.69E-01	5.06E-01	3.36E-01	5.39E-01	9.91E-01
359.9992	30	14.79	13.58	15.14	16.01	1.24E-11	3.79E-04	6.29E-01	4.67E-04	3.40E-06	1.86E-12	2.78E-02
360.02561	18.14	12.99	15.52	13.79	15.12	1.14E-11	1.40E-10	1.11E-01	1.44E-07	2.56E-05	7.22E-01	2.72E-03
360.0473	28.87	15.45	14.83	14.82	15.07	2.01E-04	7.57E-04	4.92E-04	8.78E-02	1.00E+00	5.06E-01	4.54E-01
360.06074	27.9	15.85	16.12	16.03	15.91	2.94E-01	2.80E-01	6.20E-01	9.82E-01	9.39E-01	5.41E-01	8.62E-01
360.222	142.25	18.07	17.52	17.51	17.21	8.76E-03	1.21E-01	1.04E-01	4.95E-03	1.00E+00	6.46E-01	6.69E-01
360.22293	224.58	16.23	11.67	13.19	14.09	1.70E-20	3.31E-14	4.16E-11	1.03E-05	2.94E-03	8.73E-07	1.74E-01
360.23868	176	15.93	15.36	15.78	15.36	2.73E-03	1.02E-02	8.48E-01	1.46E-02	1.03E-01	1.00E+00	1.26E-01
360.25237	161.52	17.56	16.70	17.47	17.32	3.85E-06	4.38E-06	9.44E-01	4.97E-01	7.84E-05	3.52E-03	8.30E-01
360.29925	288.8	21.81	21.31	21.78	21.48	2.24E-03	4.96E-03	9.97E-01	1.32E-01	1.14E-02	7.08E-01	2.10E-01
360.79837	91.1	16.40	17.23	17.39	16.88	9.82E-17	1.03E-11	4.25E-14	2.15E-04	4.84E-01	1.60E-02	9.32E-05
360.80785	32.23	15.39	13.13	13.87	13.92	7.19E-08	2.28E-08	2.51E-04	7.26E-04	2.05E-01	1.82E-01	9.99E-01
360.81588	76.98	20.06	20.68	20.83	20.45	1.15E-14	4.83E-10	7.04E-14	2.19E-04	4.38E-01	8.31E-02	8.25E-04
360.87439	46.51	17.38	17.76	18.18	17.53	5.58E-10	7.28E-03	3.35E-10	5.91E-01	3.02E-03	2.50E-01	1.69E-06

360.9308	43.21	14.67	15.62	14.99	15.10	1.02E-02	4.23E-03	6.54E-01	4.48E-01	1.21E-01	2.81E-01	9.84E-01
360.954	47.8	18.74	18.23	18.48	18.53	1.97E-01	1.29E-01	6.84E-01	8.18E-01	7.08E-01	6.11E-01	9.97E-01
360.97189	26.55	19.66	22.31	22.62	21.96	2.04E-55	5.11E-15	5.11E-15	5.11E-15	1.72E-01	1.23E-01	1.98E-04
361.01906	18.67	14.45	17.81	17.76	17.94	1.16E-29	2.11E-14	2.18E-14	1.71E-14	9.99E-01	9.74E-01	9.41E-01
361.04685	32.96	18.81	19.10	18.91	18.72	7.56E-03	4.07E-02	8.05E-01	8.32E-01	3.05E-01	5.21E-03	3.36E-01
361.05833	65.02	17.99	19.21	17.51	17.57	8.42E-80	5.11E-15	4.81E-13	3.46E-10	5.11E-15	5.11E-15	8.48E-01
361.07941	28.44	12.86	15.79	10.76	11.43	5.02E-112	5.11E-15	5.11E-15	6.00E-15	5.11E-15	5.11E-15	3.20E-07
361.10012	46.3	12.28	22.37	15.13	11.93	4.71E-71	5.11E-15	1.74E-10	8.47E-01	5.11E-15	5.11E-15	1.36E-11
361.17884	213.22	18.09	18.30	18.91	18.87	9.39E-13	3.25E-01	2.86E-10	7.10E-09	5.42E-06	4.84E-05	9.88E-01
361.18991	226.37	18.95	18.80	18.87	19.49	2.06E-11	3.94E-01	8.52E-01	1.87E-07	8.71E-01	1.16E-10	5.73E-09
361.22508	134.19	15.58	14.06	13.94	14.40	5.80E-08	2.31E-06	2.60E-07	5.91E-04	9.81E-01	6.82E-01	4.43E-01
361.23683	245.35	21.74	20.85	21.07	21.34	5.96E-22	3.02E-14	1.13E-13	2.63E-05	4.48E-02	1.75E-07	7.63E-03
361.23918	39.27	17.21	15.34	15.68	16.01	9.87E-05	8.71E-05	1.76E-03	3.15E-02	8.61E-01	4.31E-01	8.72E-01
361.26022	224.63	17.78	16.69	16.05	16.72	1.12E-13	1.35E-06	5.86E-14	5.53E-06	1.38E-02	9.99E-01	1.07E-02
361.30258	292.67	18.59	17.66	18.36	18.10	2.30E-06	9.40E-07	5.28E-01	3.09E-02	5.15E-04	7.20E-02	4.82E-01
361.81934	89.22	13.80	13.71	14.31	13.49	4.32E-04	9.54E-01	3.54E-02	3.53E-01	1.00E-02	6.83E-01	2.32E-04
361.88171	27.29	15.54	15.15	14.86	15.86	4.66E-03	4.95E-01	6.86E-02	6.78E-01	7.44E-01	7.55E-02	3.99E-03
361.94911	36.66	15.84	15.96	16.51	15.85	1.54E-02	9.54E-01	2.03E-02	1.00E+00	9.67E-02	9.71E-01	3.61E-02
362.05189	20.48	21.40	24.40	24.04	23.22	1.57E-34	5.11E-15	5.33E-15	9.10E-14	3.56E-01	2.01E-06	1.53E-03
362.1037	56.29	13.76	19.25	12.78	12.39	4.24E-88	5.11E-15	4.59E-05	1.72E-08	5.11E-15	5.11E-15	3.07E-01
362.18243	213.88	15.46	15.42	15.90	15.93	3.97E-03	9.95E-01	5.58E-02	4.71E-02	3.66E-02	3.10E-02	9.99E-01
362.2378	169.09	21.12	20.76	20.87	20.29	1.02E-05	9.55E-02	3.54E-01	2.23E-06	9.05E-01	2.16E-02	2.37E-03
362.24008	239.98	19.11	18.02	18.24	18.53	5.29E-20	4.13E-14	1.45E-13	2.38E-06	1.92E-01	4.69E-05	4.11E-02
362.2838	266.54	17.29	17.01	17.09	18.16	9.31E-03	8.56E-01	9.37E-01	7.51E-02	9.97E-01	1.11E-02	1.93E-02
362.81402	81.44	17.59	18.37	18.63	18.08	1.59E-22	1.06E-13	2.24E-14	3.90E-06	3.57E-02	2.18E-02	4.55E-07
362.84651	96.96	12.96	14.41	14.42	14.93	2.55E-06	6.44E-04	5.43E-04	2.80E-06	1.00E+00	5.50E-01	5.47E-01
362.86855	43.96	15.07	14.98	15.75	14.36	9.89E-09	9.76E-01	3.45E-03	3.31E-03	1.17E-03	1.59E-02	9.95E-10
362.88811	35.97	16.99	16.95	17.42	17.02	4.14E-01	1.00E+00	4.89E-01	1.00E+00	4.50E-01	9.97E-01	6.00E-01
362.89179	154.43	17.02	14.48	14.14	15.56	3.57E-33	7.55E-15	5.11E-15	8.84E-10	3.93E-01	1.45E-05	4.91E-09
362.91225	50.2	21.23	21.48	21.67	21.76	5.41E-08	2.51E-02	6.75E-06	1.28E-07	1.64E-01	1.78E-02	7.72E-01
362.93	18.49	15.86	22.07	21.86	20.69	7.26E-43	5.11E-15	5.11E-15	7.77E-15	9.58E-01	6.04E-03	2.52E-02
362.97441	17.34	15.62	17.16	17.60	17.22	1.01E-18	1.58E-11	4.33E-14	8.60E-12	1.64E-01	9.92E-01	3.05E-01
363.00964	62.6	14.13	12.57	14.85	15.85	1.09E-18	5.10E-06	9.36E-02	8.79E-07	4.71E-11	4.11E-14	1.10E-02
363.03502	17.7	15.32	17.16	17.16	17.12	2.52E-24	4.45E-14	4.17E-14	4.31E-14	1.00E+00	9.98E-01	9.98E-01
363.04882	17.87	14.05	16.59	15.99	15.35	2.11E-16	4.29E-14	1.28E-10	5.20E-05	1.52E-01	1.85E-04	1.20E-01
363.13369	25.21	13.78	14.62	14.36	13.65	1.70E-03	1.30E-02	1.49E-01	9.63E-01	7.81E-01	4.80E-03	6.55E-02
363.1585	40.6	16.69	14.62	15.48	16.50	1.00E-09	5.43E-09	1.12E-03	9.41E-01	4.88E-02	5.74E-07	1.45E-02
363.19519	244.3	20.88	21.23	21.54	21.42	2.39E-19	2.13E-06	4.34E-14	7.74E-13	4.71E-05	3.52E-02	3.17E-01
363.21431	217.79	20.25	18.88	19.51	20.21	2.20E-31	5.11E-15	1.45E-10	9.87E-01	1.98E-07	9.33E-15	7.87E-09
363.23175	228	16.83	15.12	14.49	16.03	1.57E-09	1.77E-05	1.59E-09	1.29E-01	3.10E-01	7.70E-02	3.05E-04
363.24075	169.2	18.67	18.19	18.35	17.75	1.13E-06	1.34E-02	1.68E-01	2.15E-07	7.55E-01	4.15E-02	1.86E-03
363.25232	267.05	21.74	21.27	21.43	21.83	2.19E-08	8.29E-06	6.03E-03	7.68E-01	3.52E-01	3.03E-07	3.64E-04
363.25452	48.79	15.39	12.82	13.02	14.02	1.53E-07	6.74E-07	4.02E-06	2.43E-02	9.77E-01	7.56E-02	1.74E-01
363.91576	48.63	16.82	17.00	17.35	17.36	4.78E-07	3.24E-01	1.00E-05	1.20E-05	1.14E-02	1.05E-02	9.99E-01
363.92621	25.68	17.73	18.52	18.63	18.89	1.59E-10	1.43E-05	4.19E-07	3.19E-10	9.08E-01	1.48E-01	4.46E-01

363.93363	17.97	14.84	16.52	16.33	15.73	4.60E-18	4.22E-14	1.45E-13	2.39E-05	7.10E-01	2.67E-04	9.90E-03
364.03995	27.33	15.27	17.51	17.82	16.53	1.11E-43	5.11E-15	5.11E-15	5.32E-13	1.89E-01	2.95E-08	2.72E-13
364.05669	18.13	14.54	17.63	16.93	15.98	4.47E-17	4.24E-14	3.89E-11	2.22E-04	1.68E-01	2.40E-05	3.21E-02
364.06761	22.71	14.76	17.31	17.15	16.39	4.08E-18	4.26E-14	5.42E-14	3.12E-07	9.50E-01	1.21E-02	4.99E-02
364.13082	25.42	14.63	14.86	15.18	14.49	5.29E-02	7.97E-01	1.26E-01	9.53E-01	6.02E-01	5.16E-01	4.89E-02
364.19837	240.11	17.98	18.45	18.83	18.58	1.05E-16	3.63E-06	4.15E-14	3.24E-09	2.47E-04	4.71E-01	4.67E-02
364.21391	227.68	17.78	16.11	16.89	17.77	1.78E-35	5.11E-15	1.52E-11	1.00E+00	6.55E-09	5.11E-15	2.09E-10
364.21884	72.8	15.31	12.04	13.94	15.51	2.59E-20	4.26E-14	5.10E-04	9.45E-01	1.05E-06	4.35E-14	1.33E-04
364.23341	161.86	16.45	15.78	15.90	15.48	7.49E-10	9.99E-06	3.65E-04	2.78E-10	8.24E-01	1.65E-01	1.93E-02
364.24412	162.12	14.96	13.98	14.06	13.63	8.31E-10	4.34E-06	2.55E-05	8.52E-10	9.75E-01	3.18E-01	1.43E-01
364.25548	267.24	18.78	18.25	18.25	18.94	4.93E-06	4.06E-03	3.54E-03	7.49E-01	1.00E+00	2.08E-04	1.74E-04
364.80506	83.3	16.76	16.13	16.61	16.38	1.42E-09	1.10E-09	3.49E-01	6.04E-04	8.91E-06	6.31E-02	9.96E-02
364.8341	93.42	13.29	11.11	12.79	11.59	4.51E-04	7.75E-04	8.08E-01	1.87E-02	1.90E-02	8.45E-01	1.77E-01
364.84961	63.58	19.05	18.67	19.66	19.49	9.80E-19	1.35E-03	3.84E-08	1.84E-04	4.46E-14	3.22E-12	4.08E-01
364.87034	47.05	22.72	23.46	24.08	23.88	2.26E-42	4.34E-14	5.11E-15	5.11E-15	1.03E-11	1.35E-05	7.92E-02
364.88303	34.92	15.50	17.62	18.17	16.30	7.84E-50	5.11E-15	5.11E-15	1.17E-06	1.39E-03	5.02E-14	5.77E-15
364.88909	60.96	15.04	13.43	14.81	14.72	1.15E-13	4.53E-13	6.61E-01	4.28E-01	8.60E-10	2.66E-08	9.78E-01
364.90941	42.48	18.16	18.45	18.75	18.91	9.24E-15	6.36E-03	8.92E-10	1.07E-13	6.06E-03	8.39E-06	2.87E-01
364.93414	18.79	14.57	15.96	15.69	15.25	7.82E-09	9.59E-09	4.00E-06	1.60E-02	6.24E-01	1.33E-02	2.28E-01
364.94784	23.87	15.29	16.98	17.42	17.89	4.71E-17	4.09E-08	3.10E-12	4.25E-14	4.11E-01	1.24E-02	3.82E-01
364.99879	29.47	15.99	15.62	15.75	15.71	4.07E-01	3.61E-01	7.08E-01	6.22E-01	9.42E-01	9.82E-01	9.98E-01
365.03414	30.39	17.37	17.75	18.11	17.99	7.63E-04	2.00E-01	5.93E-04	9.77E-03	2.30E-01	6.29E-01	9.16E-01
365.05152	19.36	18.24	18.82	19.28	19.40	5.11E-12	1.90E-03	2.06E-09	8.99E-11	2.70E-02	3.43E-03	8.74E-01
365.1212	179.24	14.11	13.14	13.50	12.35	1.80E-13	1.94E-05	1.33E-02	6.93E-14	3.20E-01	1.58E-03	1.06E-06
365.1382	27.82	17.86	18.05	17.65	17.71	1.86E-03	3.00E-01	1.79E-01	5.16E-01	1.60E-03	1.59E-02	9.39E-01
365.20889	253.04	19.78	20.53	20.75	20.84	2.49E-12	2.56E-06	6.27E-10	8.99E-11	4.50E-01	1.96E-01	9.44E-01
365.22935	239.57	19.27	18.27	18.62	19.15	6.03E-17	4.60E-14	1.66E-07	7.58E-01	1.68E-02	2.54E-11	6.75E-05
365.24694	249.93	19.13	18.39	18.16	18.79	1.82E-09	9.66E-06	2.60E-09	1.25E-01	4.30E-01	5.86E-02	4.51E-04
365.26761	299.14	17.38	18.76	19.34	18.88	6.18E-12	1.66E-06	6.07E-12	3.44E-07	1.39E-01	9.71E-01	3.49E-01
365.85296	67.81	13.68	11.22	14.27	13.94	7.05E-31	3.46E-14	4.86E-02	7.08E-01	5.11E-15	2.22E-14	4.93E-01
365.87385	46.63	18.31	18.93	19.72	19.50	4.28E-40	2.08E-10	5.11E-15	5.11E-15	5.12E-14	3.89E-08	8.97E-02
365.88413	32.95	15.96	14.02	14.00	15.32	1.52E-07	5.71E-06	3.51E-06	3.61E-01	1.00E+00	8.81E-03	6.82E-03
365.95675	32.86	15.99	18.68	18.87	17.97	5.99E-40	5.11E-15	5.11E-15	4.15E-14	7.68E-01	2.47E-03	5.41E-05
366.03138	46.07	16.22	18.10	18.64	17.63	4.61E-24	4.37E-14	1.24E-14	2.44E-09	6.15E-02	1.53E-01	4.71E-05
366.0548	24.85	15.29	13.82	14.91	15.42	2.57E-05	1.20E-04	6.68E-01	9.83E-01	9.57E-03	6.92E-05	4.78E-01
366.15122	25.61	16.66	15.91	16.08	15.92	6.95E-08	7.54E-07	1.72E-04	1.91E-06	6.21E-01	1.00E+00	6.71E-01
366.21353	261.86	17.39	17.89	18.06	18.08	3.60E-02	2.31E-01	5.46E-02	5.85E-02	9.26E-01	9.13E-01	1.00E+00
366.271	299.55	15.60	16.13	16.73	16.36	2.47E-07	3.10E-02	5.62E-08	9.05E-04	1.22E-02	6.80E-01	2.38E-01
366.76093	92.78	14.01	14.04	14.26	14.34	9.34E-02	9.96E-01	3.31E-01	1.40E-01	4.87E-01	2.39E-01	9.57E-01
366.82153	86.4	15.79	14.72	15.44	15.40	1.18E-18	4.13E-14	4.72E-03	1.75E-03	5.71E-10	1.73E-08	9.79E-01
366.82883	57.92	18.31	18.61	19.48	19.09	4.68E-22	3.79E-02	3.40E-14	3.16E-10	1.10E-12	2.60E-04	3.59E-03
366.84458	157.78	14.58	16.16	10.24	13.12	7.87E-16	6.70E-02	4.82E-10	1.23E-01	4.29E-14	6.54E-05	1.50E-04
366.86846	54.08	20.28	21.02	21.71	21.51	1.86E-38	4.98E-13	5.11E-15	5.11E-15	4.40E-11	7.61E-06	1.76E-01
366.87492	36.16	15.45	15.97	16.30	16.18	3.52E-07	5.06E-03	4.29E-07	3.59E-05	1.50E-01	5.48E-01	8.84E-01
366.92	27.36	14.73	13.57	14.53	13.66	1.61E-05	1.91E-04	8.82E-01	1.11E-03	3.86E-03	9.87E-01	1.49E-02

366.94085	31.57	14.33	15.63	16.11	15.38	8.52E-17	5.02E-10	4.33E-14	1.26E-06	6.64E-02	5.90E-01	1.63E-03
366.95014	30.08	13.51	14.63	14.78	14.35	3.26E-06	8.70E-05	5.19E-06	7.81E-03	9.40E-01	7.14E-01	3.64E-01
366.96115	30.32	13.88	15.03	14.50	14.94	2.73E-02	3.09E-02	4.29E-01	6.43E-02	6.02E-01	9.97E-01	7.46E-01
366.97246	67.78	12.91	14.62	15.71	16.17	1.38E-22	2.47E-07	4.36E-14	3.74E-14	2.52E-03	1.10E-05	4.60E-01
367.04528	66.14	13.52	14.87	11.45	12.14	1.83E-48	1.05E-11	1.20E-14	1.17E-11	5.11E-15	5.11E-15	1.59E-03
367.05392	21.68	16.42	19.82	19.35	18.97	1.72E-40	5.11E-15	5.11E-15	1.42E-14	1.51E-01	1.37E-03	3.27E-01
367.12863	65.59	11.63	15.67	9.85	10.39	5.15E-98	5.11E-15	1.89E-14	3.47E-12	5.11E-15	5.11E-15	8.16E-03
367.14826	25.17	17.44	17.09	16.80	16.28	3.19E-05	4.25E-01	2.77E-02	1.10E-05	6.07E-01	5.72E-03	1.41E-01
367.17353	189.02	15.01	14.04	15.31	13.76	3.72E-14	1.34E-05	4.10E-01	3.32E-08	1.17E-08	5.64E-01	1.51E-11
367.21551	173.38	16.89	16.95	15.81	17.47	1.00E-08	9.95E-01	8.10E-05	1.03E-01	4.95E-05	1.94E-01	3.99E-09
367.22651	299.58	14.47	17.28	17.95	17.14	4.48E-23	4.49E-14	2.82E-14	2.43E-13	1.67E-01	9.76E-01	7.40E-02
367.2304	179.96	16.51	17.04	16.37	17.19	5.08E-06	1.26E-02	8.48E-01	9.56E-04	1.05E-03	8.49E-01	5.73E-05
367.24403	257.91	19.51	18.34	18.57	18.90	3.91E-13	8.20E-13	4.06E-09	4.27E-04	4.53E-01	2.53E-03	1.40E-01
367.24989	184.84	15.35	14.33	15.54	14.68	2.94E-06	2.28E-04	8.69E-01	3.70E-02	1.32E-05	5.32E-01	4.74E-03
367.28585	185.85	15.79	15.06	15.71	15.92	7.31E-08	3.78E-06	9.32E-01	8.24E-01	8.23E-05	2.27E-07	4.91E-01
367.35854	278.14	20.17	18.51	18.71	19.57	1.32E-19	4.31E-14	7.61E-14	5.43E-03	6.89E-01	2.15E-07	2.89E-05
367.87166	53.93	15.59	15.91	16.67	16.43	6.03E-25	6.05E-03	1.71E-14	5.55E-14	1.37E-12	2.76E-06	8.30E-02
367.96555	41.16	17.32	18.51	18.31	17.65	3.85E-13	1.30E-11	1.16E-08	1.84E-01	6.18E-01	4.44E-06	5.98E-04
367.96967	63.47	15.04	16.88	17.61	17.44	3.34E-33	4.24E-14	5.11E-15	6.22E-15	1.31E-03	3.08E-02	8.25E-01
367.98268	67.31	13.27	12.83	14.19	14.66	5.69E-07	5.51E-01	2.81E-02	3.38E-04	4.71E-04	2.25E-06	5.21E-01
368.07806	24.32	19.78	20.17	20.37	20.18	1.64E-03	5.49E-02	7.26E-04	5.80E-02	5.72E-01	1.00E+00	6.19E-01
368.21851	165.35	13.48	13.61	11.60	14.38	6.27E-07	9.92E-01	5.09E-04	2.46E-01	2.73E-04	4.09E-01	3.53E-07
368.22969	297.54	13.01	13.64	14.88	13.64	7.25E-15	1.81E-02	4.35E-14	2.27E-02	1.39E-07	1.00E+00	2.85E-07
368.23443	171.93	13.65	13.93	12.71	14.34	5.67E-07	7.54E-01	3.72E-03	7.52E-02	1.36E-04	4.89E-01	2.98E-07
368.26326	218.09	16.57	14.30	16.18	15.88	5.92E-10	4.40E-10	6.26E-01	1.77E-01	5.02E-07	6.23E-05	8.25E-01
368.28093	229.03	17.76	17.43	17.83	17.39	3.50E-02	2.54E-01	9.75E-01	1.90E-01	1.22E-01	9.97E-01	8.81E-02
368.28116	168.91	14.82	13.20	13.86	13.80	2.33E-22	1.51E-14	4.72E-10	1.30E-10	4.13E-05	4.85E-04	9.70E-01
368.31742	187.08	14.75	13.82	14.13	14.30	6.00E-06	1.74E-06	2.48E-03	6.73E-02	3.14E-01	4.69E-02	7.76E-01
368.36187	284.41	17.04	17.53	17.30	16.69	1.50E-01	5.17E-01	8.85E-01	7.78E-01	9.20E-01	1.19E-01	3.67E-01
368.82658	71.66	16.22	16.22	17.40	16.94	4.32E-22	1.00E+00	4.26E-14	1.20E-07	4.45E-14	2.54E-07	2.46E-03
368.83659	151.81	15.13	11.89	13.81	14.86	9.39E-18	4.15E-14	9.07E-04	8.69E-01	9.71E-07	2.76E-13	2.21E-02
368.84668	77.76	15.13	14.21	15.81	15.89	1.24E-31	2.02E-11	7.33E-07	9.89E-08	5.33E-15	5.33E-15	9.40E-01
368.85724	70.86	15.12	11.03	13.45	14.28	1.75E-18	4.22E-14	3.12E-04	1.97E-01	1.52E-07	7.87E-12	2.09E-01
368.86537	53.45	16.56	16.25	17.26	17.09	3.17E-21	1.15E-02	5.99E-11	2.24E-06	4.35E-14	3.74E-13	3.42E-01
368.87242	29.19	8.65	9.55	14.23	12.62	5.58E-15	5.69E-01	2.35E-13	4.24E-07	1.57E-09	2.24E-04	1.20E-01
368.87814	58.61	16.46	14.54	14.97	15.04	4.12E-18	4.42E-14	1.19E-11	4.05E-10	1.56E-01	8.78E-02	9.87E-01
368.91994	45.71	14.22	13.88	14.33	13.79	5.85E-01	8.68E-01	9.95E-01	7.70E-01	7.54E-01	9.97E-01	6.42E-01
368.94108	39.95	17.27	18.41	17.95	18.27	1.79E-06	2.81E-06	9.87E-03	7.36E-05	1.81E-01	9.40E-01	5.02E-01
368.98232	37.08	17.93	18.78	18.99	18.88	2.16E-36	1.44E-14	5.11E-15	5.77E-15	3.46E-02	6.41E-01	4.56E-01
369.00024	16.72	18.58	21.45	21.62	21.30	1.72E-31	1.07E-14	5.33E-15	3.33E-14	8.99E-01	9.41E-01	5.94E-01
369.02265	23.52	16.35	19.38	19.54	18.72	7.57E-26	3.86E-14	2.04E-14	2.98E-13	9.52E-01	1.29E-01	3.47E-02
369.04447	19.52	9.77	12.66	9.70	11.96	3.01E-07	1.60E-05	9.99E-01	2.64E-03	1.47E-05	6.81E-01	2.26E-03
369.08143	24.38	16.27	16.42	16.70	16.73	1.92E-02	8.15E-01	4.79E-02	4.03E-02	3.44E-01	2.94E-01	9.99E-01
369.2051	206.87	20.01	20.18	20.44	20.49	5.00E-03	6.44E-01	1.91E-02	9.56E-03	3.26E-01	2.05E-01	9.88E-01
369.2206	136.19	17.25	18.35	18.74	17.31	1.42E-12	6.02E-06	3.42E-10	9.95E-01	2.95E-01	5.43E-05	9.74E-09

369.22891	20.27	21.61	20.29	20.86	22.01	8.44E-11	5.30E-07	9.42E-03	3.50E-01	9.07E-02	4.24E-10	3.79E-05
369.23854	260.53	16.98	16.61	16.29	16.22	7.87E-02	6.54E-01	1.29E-01	9.75E-02	7.54E-01	6.56E-01	9.97E-01
369.24775	214.93	16.95	14.48	13.64	15.23	7.97E-19	1.32E-11	4.30E-14	5.48E-06	6.85E-02	1.43E-01	4.90E-05
369.26649	214	16.50	15.90	16.99	15.31	1.56E-04	3.57E-01	5.45E-01	9.45E-03	2.12E-02	4.25E-01	1.14E-04
369.28413	224.22	14.89	13.96	15.16	14.86	2.67E-02	9.97E-02	9.04E-01	1.00E+00	1.99E-02	1.49E-01	8.93E-01
369.3014	294.57	16.55	18.27	18.55	18.13	3.96E-33	1.20E-14	5.11E-15	4.02E-14	2.41E-01	8.17E-01	3.58E-02
369.59103	18.35	16.59	20.90	21.31	21.50	2.91E-53	5.11E-15	5.11E-15	5.11E-15	4.35E-01	1.55E-01	9.14E-01
369.91306	29.25	14.07	14.50	14.26	14.40	5.83E-01	5.41E-01	9.30E-01	7.59E-01	8.88E-01	9.90E-01	9.80E-01
369.96765	78.7	9.29	14.40	14.45	13.37	7.99E-29	1.27E-14	9.55E-15	4.31E-14	1.00E+00	1.18E-01	9.02E-02
369.98339	45.45	15.24	15.25	17.05	17.02	3.59E-21	1.00E+00	9.94E-14	8.34E-13	3.84E-13	4.05E-12	9.99E-01
370.02601	28.45	10.98	14.64	15.02	14.35	1.24E-17	5.40E-13	4.26E-14	7.52E-11	8.51E-01	9.31E-01	5.03E-01
370.0906	23.68	18.65	20.06	20.34	20.27	8.88E-26	4.26E-14	2.60E-14	4.22E-14	2.86E-01	5.65E-01	9.74E-01
370.15727	32.11	14.80	14.19	13.18	13.69	2.01E-03	4.96E-01	1.05E-03	6.13E-02	9.77E-02	6.86E-01	6.64E-01
370.2083	206.97	17.57	17.79	18.11	18.09	1.04E-02	6.27E-01	1.77E-02	2.98E-02	3.27E-01	4.00E-01	1.00E+00
370.2239	141.57	14.69	15.25	15.94	14.50	7.98E-07	1.56E-01	1.88E-05	8.92E-01	5.06E-02	3.90E-02	2.38E-06
370.23272	23.31	19.14	17.53	18.32	19.59	5.07E-11	1.59E-07	1.72E-02	4.05E-01	3.08E-02	1.98E-10	1.25E-04
370.29686	231.76	17.54	18.46	18.86	17.88	1.62E-07	6.54E-04	1.95E-07	4.97E-01	3.19E-01	8.85E-02	4.13E-04
370.81562	57.16	16.50	14.99	16.05	16.18	1.82E-15	4.40E-14	4.09E-02	2.46E-01	1.90E-08	1.29E-09	8.99E-01
370.82663	52.96	16.18	16.44	17.66	16.96	7.98E-47	6.33E-03	5.11E-15	4.31E-14	5.11E-15	5.09E-08	1.71E-13
370.83615	48.91	20.30	19.32	19.35	19.91	6.19E-14	1.47E-11	3.87E-11	2.30E-02	9.96E-01	1.88E-04	3.92E-04
370.85625	97.08	13.27	14.87	15.36	14.99	2.69E-19	1.46E-11	4.32E-14	1.72E-12	1.19E-01	9.52E-01	3.57E-01
370.89941	41.62	20.92	22.47	22.18	22.09	1.77E-21	4.02E-14	5.55E-14	3.17E-12	2.25E-01	7.62E-02	9.40E-01
370.95683	39.23	17.14	18.20	17.93	18.18	4.02E-08	3.80E-07	2.12E-04	1.30E-06	5.03E-01	1.00E+00	5.91E-01
371.00592	23.63	15.73	16.46	16.44	16.74	2.83E-06	7.52E-04	9.81E-04	2.33E-06	1.00E+00	5.02E-01	4.32E-01
371.06133	65.96	8.37	19.92	7.55	7.59	5.88E-116	5.11E-15	2.89E-02	5.22E-02	5.11E-15	5.11E-15	9.99E-01
371.09167	21.51	14.41	15.46	15.86	15.90	3.56E-09	1.89E-04	7.68E-08	8.35E-08	3.92E-01	3.20E-01	9.98E-01
371.16015	33.1	18.47	18.30	18.33	17.66	2.12E-02	9.15E-01	9.54E-01	1.60E-02	9.99E-01	1.01E-01	7.17E-02
371.22105	237.94	21.90	21.80	22.05	22.31	5.95E-10	4.70E-01	1.81E-01	3.83E-07	4.58E-03	5.20E-10	2.45E-03
371.24435	220.53	16.18	16.19	16.60	16.43	1.10E-02	1.00E+00	1.85E-02	3.17E-01	2.96E-02	3.83E-01	6.87E-01
371.24472	21.08	15.62	15.05	14.84	16.42	1.68E-05	2.79E-01	6.28E-02	6.82E-02	9.09E-01	3.37E-04	1.85E-05
371.25963	184.26	17.34	15.95	17.43	17.21	7.21E-12	9.68E-10	9.76E-01	9.30E-01	2.06E-10	1.59E-07	7.56E-01
371.28075	210.44	13.63	14.52	15.08	14.55	1.28E-02	1.91E-01	5.90E-03	1.84E-01	5.91E-01	1.00E+00	6.55E-01
371.28167	284.32	14.99	16.38	17.19	16.39	2.64E-05	1.09E-02	7.31E-06	1.33E-02	2.84E-01	1.00E+00	3.13E-01
371.90272	40.96	16.73	18.14	17.98	17.76	1.90E-28	6.22E-15	2.91E-14	4.71E-14	5.47E-01	1.19E-02	2.64E-01
371.98234	52.35	13.31	13.14	14.28	14.18	5.08E-04	9.59E-01	1.37E-02	4.14E-02	3.75E-03	1.31E-02	9.93E-01
371.99067	32.4	13.76	15.12	15.59	13.72	5.49E-17	9.68E-08	5.28E-13	9.98E-01	1.92E-01	2.01E-07	2.43E-12
371.99744	30.82	15.62	15.42	15.34	15.30	8.64E-02	4.48E-01	1.48E-01	9.37E-02	9.30E-01	8.25E-01	9.93E-01
372.06483	70.87	13.95	15.81	12.11	12.74	2.29E-100	5.11E-15	5.11E-15	6.00E-15	5.11E-15	5.11E-15	6.43E-09
372.0824	18.38	13.86	15.57	15.91	16.14	1.36E-14	3.73E-08	2.54E-11	8.92E-13	6.32E-01	2.14E-01	8.57E-01
372.22429	238.13	19.55	19.34	19.65	19.94	2.64E-11	3.19E-02	5.15E-01	3.02E-06	4.29E-04	3.79E-12	1.18E-03
372.26068	175.04	15.39	13.13	15.19	14.83	2.50E-11	9.27E-11	9.17E-01	3.17E-01	7.45E-09	4.90E-06	7.07E-01
372.30291	26.34	13.67	14.88	13.09	15.57	4.44E-15	2.28E-04	1.84E-01	5.45E-09	3.23E-08	1.13E-01	1.69E-13
372.31231	266.63	18.15	18.49	18.48	19.35	1.83E-06	3.79E-01	4.10E-01	5.25E-07	1.00E+00	8.35E-04	5.75E-04
372.81314	59.67	15.44	12.77	14.46	14.86	1.60E-17	4.22E-14	2.34E-03	1.71E-01	4.22E-08	5.86E-11	5.15E-01
372.83604	57.53	21.36	19.90	20.94	21.25	3.15E-04	3.23E-04	6.17E-01	9.89E-01	2.47E-02	2.28E-03	8.33E-01

372.85744	100.96	15.04	13.86	13.97	14.25	9.10E-10	5.12E-09	1.03E-07	2.78E-04	9.31E-01	1.75E-01	4.54E-01
372.87519	84.29	14.63	12.84	13.14	13.52	1.52E-06	1.68E-06	8.30E-05	9.00E-03	8.15E-01	2.20E-01	7.00E-01
372.89629	59.23	18.15	18.08	17.74	17.70	1.34E-02	9.80E-01	6.53E-02	4.16E-02	1.81E-01	1.22E-01	9.94E-01
372.91498	36.53	20.65	22.37	22.17	22.07	1.80E-35	5.11E-15	5.77E-15	2.00E-14	3.58E-01	9.51E-02	8.78E-01
372.98494	21.88	15.58	16.91	15.91	16.59	1.62E-05	2.91E-05	6.30E-01	3.34E-03	4.00E-03	7.18E-01	1.05E-01
373.05673	17.56	13.71	16.03	15.68	15.97	5.63E-12	4.10E-10	8.98E-08	3.24E-09	7.41E-01	9.98E-01	8.53E-01
373.06662	17.75	13.32	16.19	16.37	16.43	5.12E-22	4.44E-14	4.51E-14	4.40E-14	9.54E-01	8.95E-01	9.97E-01
373.20504	213.27	16.13	13.12	14.57	16.11	1.33E-21	4.46E-14	2.30E-06	1.00E+00	2.53E-05	4.42E-14	1.10E-05
373.23658	253.71	19.37	18.68	19.19	19.34	8.92E-12	6.51E-11	2.54E-01	9.94E-01	2.25E-06	2.36E-09	4.40E-01
373.26017	240.19	21.40	21.23	20.97	20.92	1.39E-01	8.72E-01	2.30E-01	1.74E-01	6.90E-01	5.84E-01	9.97E-01
373.27626	206.01	16.98	14.64	16.38	16.48	2.18E-10	1.31E-10	2.73E-01	4.66E-01	3.25E-06	1.91E-06	9.92E-01
373.29636	268.54	20.43	18.94	19.18	19.03	2.00E-21	4.24E-14	1.09E-13	4.27E-14	3.96E-01	9.48E-01	7.58E-01
373.83996	80.63	16.40	15.39	15.94	15.78	7.56E-11	8.95E-12	3.40E-03	6.90E-05	5.36E-04	3.22E-02	6.86E-01
373.90791	32.31	15.40	15.20	15.44	14.54	1.50E-05	7.19E-01	9.94E-01	6.26E-05	5.78E-01	4.60E-03	3.18E-05
373.91838	42.63	15.65	17.77	17.50	17.44	3.05E-31	5.11E-15	2.02E-14	3.71E-14	3.69E-01	2.49E-01	9.91E-01
373.94904	32.24	14.33	13.28	14.50	13.83	1.01E-03	6.02E-03	9.49E-01	4.17E-01	1.21E-03	3.59E-01	1.83E-01
374.03969	25.66	16.01	15.82	14.95	15.12	1.37E-04	8.82E-01	4.93E-04	7.38E-03	9.54E-03	6.96E-02	9.29E-01
374.19356	73.88	14.17	16.06	12.48	13.05	1.22E-101	5.11E-15	5.11E-15	7.33E-15	5.11E-15	5.11E-15	5.48E-08
374.22182	162.02	14.00	14.43	14.29	14.59	1.11E-01	2.85E-01	6.12E-01	8.62E-02	9.45E-01	9.27E-01	6.50E-01
374.23081	61.93	13.86	19.76	12.05	12.63	2.34E-163	5.11E-15	5.11E-15	7.99E-15	5.11E-15	5.11E-15	5.23E-07
374.24541	180.19	22.66	22.91	22.89	22.06	8.05E-06	4.28E-01	5.04E-01	4.53E-03	9.99E-01	2.27E-05	3.41E-05
374.26341	227.86	19.05	18.66	18.38	18.42	2.39E-02	3.70E-01	2.69E-02	5.59E-02	6.59E-01	7.83E-01	9.98E-01
374.28219	259.6	18.45	17.06	16.18	15.61	2.01E-14	2.88E-04	4.71E-10	1.26E-13	5.09E-02	3.17E-04	3.63E-01
374.29961	269.33	17.79	15.88	15.63	15.45	3.85E-08	3.75E-05	1.92E-06	5.28E-07	9.37E-01	7.51E-01	9.72E-01
374.77411	89.96	16.42	17.94	18.09	17.55	5.45E-25	4.14E-14	2.04E-14	1.99E-11	7.87E-01	6.49E-02	4.16E-03
374.85242	63.23	21.10	20.39	20.96	20.77	3.11E-07	1.58E-07	6.41E-01	4.31E-02	6.13E-05	2.14E-02	4.52E-01
374.8862	39.22	13.31	14.59	14.37	14.42	4.57E-02	5.35E-02	1.43E-01	1.34E-01	9.73E-01	9.89E-01	1.00E+00
374.89224	62.7	15.36	13.31	14.71	15.28	2.93E-14	3.52E-13	5.03E-02	9.91E-01	1.14E-06	2.43E-11	1.39E-01
374.91059	38.95	16.80	18.46	18.42	18.23	9.20E-29	1.20E-14	1.60E-14	4.49E-14	9.91E-01	4.17E-01	5.85E-01
374.91945	43.61	14.19	15.30	15.04	14.88	7.14E-12	5.72E-12	1.03E-07	4.61E-05	3.03E-01	3.41E-02	7.18E-01
374.96949	46.63	16.73	14.94	15.60	15.43	7.39E-05	3.41E-05	1.72E-02	6.44E-03	3.43E-01	6.21E-01	9.77E-01
374.99057	31.81	15.04	15.27	15.35	15.67	9.41E-03	5.62E-01	2.98E-01	3.69E-03	9.74E-01	1.49E-01	3.13E-01
375.06146	28.49	12.64	16.34	16.66	14.91	2.65E-47	5.11E-15	5.11E-15	4.33E-14	5.37E-01	7.65E-08	3.71E-11
375.09519	66.82	15.99	17.19	15.21	15.43	1.25E-83	5.11E-15	5.77E-15	5.35E-14	5.11E-15	5.11E-15	6.69E-03
375.11613	49.76	12.07	16.96	12.61	12.47	5.98E-22	4.14E-14	6.52E-01	8.46E-01	4.42E-14	4.40E-14	9.91E-01
375.1548	24.57	13.25	13.53	14.37	12.83	4.91E-02	9.53E-01	1.56E-01	8.75E-01	4.24E-01	6.08E-01	3.45E-02
375.19474	215.76	16.51	15.26	15.56	15.69	3.40E-07	2.13E-07	1.11E-04	1.84E-03	5.29E-01	2.47E-01	9.44E-01
375.22148	247.45	20.43	19.97	20.13	20.55	2.14E-11	2.52E-07	1.25E-03	4.42E-01	2.23E-01	4.64E-10	6.15E-06
375.23134	179.48	15.70	13.31	13.79	13.71	1.47E-15	6.66E-14	4.68E-10	4.44E-10	3.50E-01	5.24E-01	9.95E-01
375.23384	63.29	4.59	16.82	4.40	4.35	4.36E-177	5.11E-15	6.07E-01	4.02E-01	5.11E-15	5.11E-15	9.83E-01
375.24885	174.83	20.41	20.64	20.66	19.79	1.09E-05	5.55E-01	4.72E-01	4.37E-03	9.99E-01	5.08E-05	2.62E-05
375.27572	246.18	22.62	22.20	22.16	22.21	2.69E-04	2.45E-03	7.03E-04	5.57E-03	9.91E-01	9.99E-01	9.72E-01
375.29127	224.93	16.82	15.31	16.23	16.39	1.20E-07	2.48E-08	8.09E-02	3.37E-01	1.68E-03	2.53E-04	9.25E-01
375.85684	55.55	16.46	14.30	15.98	16.12	2.28E-25	9.77E-15	4.49E-02	2.76E-01	4.31E-14	4.33E-14	8.87E-01
375.89195	37.84	16.43	14.63	15.32	14.60	2.12E-06	1.40E-05	1.41E-02	1.55E-05	2.76E-01	1.00E+00	2.50E-01

375.92273	35.99	13.62	14.96	15.36	14.62	6.14E-08	3.55E-05	3.35E-08	4.96E-03	5.35E-01	6.75E-01	7.17E-02
375.96456	36.39	15.28	13.91	14.95	14.82	2.21E-05	8.19E-06	6.16E-01	3.63E-01	1.64E-03	1.10E-02	9.70E-01
375.99311	29.54	12.94	15.91	16.46	14.69	2.85E-63	5.11E-15	5.11E-15	2.49E-14	2.75E-03	5.80E-12	2.53E-14
376.00966	24.28	16.43	16.45	16.76	16.89	3.26E-02	1.00E+00	2.51E-01	6.22E-02	3.30E-01	9.40E-02	8.97E-01
376.0668	18.28	12.78	14.26	13.01	14.39	6.46E-05	2.13E-03	9.45E-01	9.47E-04	1.58E-02	9.90E-01	7.62E-03
376.10088	16.93	13.75	15.26	14.67	15.00	3.18E-08	3.24E-08	1.40E-03	1.28E-05	9.34E-02	7.36E-01	5.99E-01
376.22528	250.76	16.95	16.74	16.77	17.32	2.52E-05	3.08E-01	4.73E-01	1.48E-02	9.91E-01	4.49E-05	1.32E-04
376.2346	38.32	12.76	14.44	11.65	12.00	1.18E-23	3.45E-10	4.09E-05	1.40E-02	2.15E-14	4.14E-14	5.14E-01
376.25181	180.51	17.40	17.34	17.41	16.66	4.05E-05	9.86E-01	1.00E+00	1.57E-04	9.78E-01	9.03E-04	1.72E-04
376.27921	253.12	20.41	19.98	19.98	19.96	7.54E-04	4.92E-03	4.65E-03	3.54E-03	1.00E+00	9.98E-01	9.97E-01
376.77227	90.86	15.23	15.81	15.87	15.54	1.19E-04	1.17E-03	1.84E-04	1.88E-01	9.74E-01	3.67E-01	1.72E-01
376.78982	72.82	18.16	19.19	19.49	19.06	9.57E-19	4.99E-12	4.42E-14	3.85E-09	1.44E-01	7.95E-01	1.52E-02
376.84462	53.93	16.97	17.00	17.33	16.24	2.15E-11	9.96E-01	3.89E-02	2.58E-06	8.23E-02	1.86E-06	3.71E-12
376.85613	140.91	16.31	15.14	14.63	16.04	1.15E-15	1.42E-07	7.41E-14	5.52E-01	6.40E-02	2.18E-04	1.20E-09
376.87043	82.48	14.37	13.55	13.81	14.59	2.23E-03	2.62E-02	2.09E-01	8.77E-01	8.18E-01	4.28E-03	5.06E-02
376.90492	32.64	15.86	18.89	18.80	18.24	1.07E-47	5.11E-15	5.11E-15	5.11E-15	9.56E-01	3.59E-03	1.63E-02
376.92786	50.42	18.89	17.85	18.48	18.37	6.41E-04	1.70E-04	3.11E-01	1.55E-01	6.18E-02	1.91E-01	9.74E-01
376.94682	43.4	18.11	19.17	19.56	19.30	6.97E-13	3.41E-07	1.89E-12	2.04E-08	1.81E-01	9.11E-01	5.58E-01
376.97031	27.83	14.19	14.78	14.21	15.03	2.96E-02	2.74E-01	1.00E+00	5.90E-02	3.21E-01	8.79E-01	7.62E-02
376.97874	25.09	12.68	15.83	16.10	14.96	3.28E-23	4.46E-14	3.46E-14	3.79E-10	8.44E-01	5.21E-02	4.49E-03
377.00568	187.77	17.60	16.91	16.92	17.71	4.85E-08	1.45E-04	1.40E-04	8.95E-01	1.00E+00	1.99E-05	1.91E-05
377.01339	17.36	12.88	17.15	17.25	17.03	4.19E-20	4.53E-14	4.41E-14	9.13E-14	9.97E-01	9.95E-01	9.71E-01
377.06356	32.79	14.52	12.45	15.30	14.79	8.98E-11	1.99E-06	1.97E-01	9.08E-01	1.11E-10	3.07E-07	6.13E-01
377.0742	51.86	14.56	23.95	14.32	13.32	5.26E-117	5.11E-15	7.49E-01	4.75E-06	5.11E-15	5.11E-15	4.31E-04
377.08691	20.77	19.70	20.43	20.28	20.26	2.52E-05	2.96E-05	1.17E-03	2.94E-03	7.94E-01	7.42E-01	9.99E-01
377.09499	29.42	16.28	18.04	15.56	15.75	1.17E-84	5.11E-15	4.42E-14	2.43E-09	5.11E-15	5.11E-15	1.24E-01
377.16619	234.03	16.24	17.21	17.56	17.76	2.01E-12	1.61E-05	1.70E-09	1.91E-11	3.27E-01	4.67E-02	7.61E-01
377.21079	245.21	20.16	19.86	20.18	19.98	3.54E-03	1.18E-02	9.96E-01	2.79E-01	7.37E-03	6.33E-01	2.05E-01
377.23683	271.6	22.05	22.08	22.23	22.90	6.84E-09	9.96E-01	5.32E-01	2.62E-08	6.96E-01	1.93E-07	2.49E-05
377.2818	250.32	17.29	16.14	16.04	16.09	1.29E-10	1.61E-07	6.40E-09	8.09E-08	9.50E-01	9.93E-01	9.95E-01
377.92301	33.18	15.67	15.11	15.39	15.02	5.46E-02	1.28E-01	6.94E-01	6.06E-02	6.96E-01	9.83E-01	4.82E-01
377.94883	87.03	14.02	15.59	16.80	16.06	3.14E-33	1.82E-13	5.11E-15	4.15E-14	1.63E-08	9.59E-02	1.50E-03
377.99008	30.09	12.67	12.46	13.75	12.10	5.24E-08	8.55E-01	3.03E-04	1.44E-01	1.82E-05	5.48E-01	4.60E-08
378.07766	53.65	15.41	20.90	14.36	14.64	5.84E-165	5.11E-15	6.00E-15	4.86E-14	5.11E-15	5.11E-15	1.05E-02
378.0904	21.56	16.24	16.83	16.57	16.61	2.45E-02	1.20E-02	3.21E-01	2.34E-01	5.20E-01	6.97E-01	9.95E-01
378.21399	242.97	17.10	16.61	16.99	16.24	6.22E-04	1.10E-01	9.55E-01	7.28E-04	3.18E-01	3.53E-01	5.44E-03
378.24063	267.46	19.01	18.91	19.10	20.08	5.44E-09	9.41E-01	9.62E-01	2.36E-07	7.30E-01	3.15E-08	3.90E-06
378.24209	173.38	14.96	18.01	17.80	16.35	3.33E-14	2.01E-12	3.45E-11	3.73E-03	9.52E-01	5.11E-04	2.99E-03
378.78127	68.23	17.51	17.73	18.09	18.00	1.16E-08	9.76E-02	3.38E-08	7.37E-06	2.06E-03	4.19E-02	8.29E-01
378.78818	82.79	15.79	16.82	17.19	16.57	2.31E-18	3.64E-11	4.09E-14	1.48E-06	5.95E-02	3.18E-01	2.36E-04
378.8206	95.83	13.75	13.73	13.76	14.01	4.38E-01	9.99E-01	1.00E+00	5.23E-01	9.99E-01	4.63E-01	5.51E-01
378.84088	61.77	15.62	14.52	15.10	14.25	2.03E-13	5.66E-09	1.48E-02	1.70E-12	5.53E-03	4.35E-01	1.98E-05
378.852	137.91	16.05	15.20	14.74	16.16	4.01E-06	2.36E-02	7.50E-05	9.84E-01	4.22E-01	1.30E-02	4.57E-05
378.86545	161.97	18.44	16.69	16.24	17.24	7.66E-35	1.15E-14	5.11E-15	1.67E-12	1.99E-02	3.31E-03	6.73E-09
378.88613	46.21	20.85	20.58	21.55	21.44	1.17E-29	3.17E-03	4.44E-14	6.82E-11	7.11E-15	4.15E-14	5.02E-01

378.92459	45.46	15.80	13.62	14.02	13.96	8.17E-06	1.68E-05	5.92E-04	6.01E-04	8.20E-01	8.92E-01	9.99E-01
378.94353	86.22	13.74	15.68	16.74	15.90	1.77E-33	4.37E-14	5.11E-15	4.31E-14	6.44E-06	7.62E-01	7.17E-04
378.97356	18.13	15.47	12.03	11.64	13.56	1.88E-24	4.33E-14	2.49E-14	1.34E-06	6.90E-01	2.48E-04	1.80E-06
378.98361	38.69	17.33	16.19	16.20	17.13	4.49E-09	1.28E-06	1.16E-06	8.00E-01	1.00E+00	2.33E-04	2.27E-04
379.02919	19.14	13.47	15.03	14.81	15.89	1.78E-09	5.11E-05	6.28E-04	4.04E-10	9.20E-01	8.83E-02	1.58E-02
379.07216	61.58	13.81	19.78	11.76	12.42	3.41E-155	5.11E-15	5.11E-15	8.66E-15	5.11E-15	5.11E-15	5.68E-07
379.08312	30.2	17.74	18.86	18.34	18.27	6.04E-09	5.65E-10	1.46E-03	9.92E-03	1.31E-02	4.64E-03	9.74E-01
379.1563	143.58	14.89	13.00	12.37	14.52	4.60E-16	1.73E-08	1.10E-13	6.51E-01	1.95E-01	2.28E-05	9.27E-10
379.1897	64.55	18.78	17.90	19.09	19.77	3.29E-13	2.45E-04	4.75E-01	6.20E-05	6.39E-07	9.13E-14	1.32E-02
379.22601	265.75	20.14	20.05	20.28	20.28	8.17E-02	8.29E-01	4.75E-01	5.38E-01	1.17E-01	1.52E-01	1.00E+00
379.24994	26.37	17.37	15.57	16.92	17.51	4.99E-04	1.36E-03	7.82E-01	9.92E-01	3.30E-02	1.02E-03	6.48E-01
379.25188	296.28	17.44	19.93	20.52	20.49	9.88E-19	5.01E-11	4.34E-14	5.11E-14	3.44E-01	4.22E-01	1.00E+00
379.2972	277.01	18.38	18.30	18.47	18.10	8.30E-02	9.47E-01	9.05E-01	2.17E-01	6.31E-01	5.24E-01	5.66E-02
379.88907	50.98	16.31	15.47	16.67	16.61	1.69E-24	8.19E-13	3.57E-03	2.88E-02	2.51E-14	4.17E-14	9.49E-01
379.93063	26.2	13.41	14.84	14.80	14.93	2.47E-15	1.53E-11	3.83E-11	3.44E-12	9.96E-01	9.74E-01	9.19E-01
379.942	30.58	14.09	15.25	15.15	15.19	2.50E-06	2.20E-05	1.07E-04	1.08E-04	9.79E-01	9.95E-01	9.99E-01
380.00709	33.74	13.10	14.71	13.53	15.55	7.29E-10	1.08E-04	6.36E-01	3.37E-09	1.03E-02	1.37E-01	2.22E-06
380.01586	17.94	15.30	19.16	19.29	18.37	3.84E-54	5.11E-15	5.11E-15	5.11E-15	9.27E-01	2.50E-03	2.29E-04
380.06244	22.34	15.28	16.50	16.93	16.56	6.04E-12	6.03E-07	8.74E-12	3.23E-07	2.33E-01	9.94E-01	3.87E-01
380.07552	53.9	14.79	15.67	13.56	13.97	5.58E-85	5.11E-15	5.11E-15	7.11E-15	5.11E-15	5.11E-15	1.03E-07
380.1931	71.88	16.17	14.32	16.23	17.08	6.57E-16	4.11E-09	9.98E-01	1.29E-02	3.04E-09	4.29E-14	2.60E-02
380.22974	268.1	17.25	17.58	18.02	17.52	2.50E-02	5.48E-01	1.16E-02	7.17E-01	3.20E-01	9.96E-01	2.30E-01
380.25633	297.11	14.08	17.30	18.02	18.00	7.91E-23	1.58E-13	4.13E-14	4.24E-14	2.69E-01	3.33E-01	1.00E+00
380.25778	176.04	10.39	14.41	13.98	12.53	1.98E-11	1.52E-10	7.39E-09	1.83E-03	8.85E-01	1.12E-02	7.49E-02
380.77949	76.69	16.46	16.66	17.05	16.91	1.84E-10	1.07E-01	3.09E-10	5.41E-06	7.08E-05	3.17E-02	3.88E-01
380.79782	71.15	17.31	17.08	17.81	17.68	2.88E-17	2.73E-02	9.25E-09	5.47E-05	4.29E-14	1.13E-10	4.27E-01
380.8088	84.09	15.26	15.46	16.18	15.46	3.45E-12	3.38E-01	3.52E-12	3.91E-01	1.41E-07	1.00E+00	2.24E-07
380.82649	85.24	13.64	11.82	13.03	14.16	4.58E-13	3.21E-09	1.26E-01	2.72E-01	2.00E-04	7.42E-13	8.50E-04
380.84556	41.01	21.41	21.72	22.61	22.40	2.16E-28	1.12E-02	7.33E-15	4.31E-14	5.13E-14	7.38E-09	1.76E-01
380.85786	37.65	15.31	15.37	15.86	14.60	2.58E-05	9.92E-01	8.66E-02	2.15E-02	1.85E-01	1.21E-02	4.74E-06
380.86455	62.33	16.54	15.46	17.39	17.26	7.81E-38	5.52E-14	4.83E-10	4.60E-07	5.11E-15	5.11E-15	7.41E-01
380.87333	27.73	14.64	15.90	16.34	15.21	2.68E-15	8.23E-09	5.14E-14	2.86E-02	1.27E-01	6.61E-03	8.02E-07
380.88124	157.19	17.77	14.63	13.63	14.39	4.90E-26	4.46E-14	9.10E-15	4.33E-14	3.08E-02	9.17E-01	1.73E-01
381.00877	47.74	15.36	15.76	16.85	16.54	8.94E-06	5.78E-01	1.78E-05	1.74E-03	4.39E-03	8.88E-02	7.82E-01
381.11136	18.42	23.33	23.99	23.93	23.54	1.89E-05	9.71E-05	3.94E-04	5.41E-01	9.82E-01	2.28E-02	5.73E-02
381.18764	73.79	14.49	12.03	13.76	14.98	1.10E-15	5.49E-12	1.10E-01	4.47E-01	2.24E-06	5.13E-14	2.21E-03
381.20545	185.29	14.84	12.50	12.84	13.02	2.76E-14	4.18E-13	3.03E-10	3.40E-08	6.61E-01	3.25E-01	9.33E-01
381.20571	86.64	15.55	14.72	15.30	16.01	1.70E-15	1.58E-08	2.48E-01	5.82E-03	1.65E-04	4.43E-14	6.45E-06
381.23194	291.27	14.48	17.00	17.31	15.57	3.50E-21	4.46E-14	4.22E-14	1.42E-03	7.30E-01	2.16E-05	1.37E-07
381.23229	180.38	17.66	17.82	17.61	18.11	4.95E-02	8.25E-01	9.92E-01	8.42E-02	6.77E-01	4.40E-01	4.80E-02
381.24275	299.53	16.54	17.64	18.34	17.56	6.78E-20	3.47E-09	3.46E-14	1.01E-07	3.67E-04	9.70E-01	8.69E-05
381.24714	178.36	14.97	15.54	14.74	15.67	1.78E-05	3.00E-02	6.49E-01	5.81E-03	8.65E-04	9.34E-01	1.17E-04
381.26547	28.93	15.13	12.36	13.33	14.99	2.30E-11	8.36E-10	9.74E-05	9.88E-01	9.51E-02	3.32E-08	8.82E-04
381.31276	296.97	15.53	15.44	16.23	15.46	8.60E-06	9.49E-01	2.74E-04	9.79E-01	5.01E-05	9.99E-01	1.40E-04
381.8477	46.85	17.10	16.85	18.19	17.94	9.66E-32	8.48E-02	3.97E-14	1.50E-12	5.77E-15	4.40E-14	1.18E-01

381.86646	28.92	14.11	14.47	13.74	14.90	4.23E-03	6.55E-01	6.43E-01	6.40E-02	1.07E-01	5.46E-01	2.56E-03
381.92144	35.16	16.53	17.22	17.11	16.43	9.13E-12	1.83E-07	1.18E-05	8.19E-01	8.12E-01	9.90E-09	6.85E-07
381.93081	35.52	17.13	19.16	19.37	18.55	8.21E-49	5.11E-15	5.11E-15	2.26E-14	3.37E-01	3.41E-05	8.35E-09
382.00617	55.08	16.03	17.85	18.82	17.98	5.13E-34	4.33E-14	5.11E-15	4.17E-14	6.61E-06	9.13E-01	2.04E-04
382.10155	17.81	19.03	21.11	21.16	20.90	1.53E-24	4.15E-14	3.69E-14	4.46E-14	9.95E-01	7.53E-01	6.00E-01
382.11487	18.56	19.77	20.39	20.34	19.97	3.08E-05	1.34E-04	5.68E-04	5.37E-01	9.80E-01	2.85E-02	7.26E-02
382.23572	180.66	14.97	14.92	14.43	15.38	3.17E-03	9.97E-01	1.07E-01	3.38E-01	1.91E-01	2.60E-01	1.06E-03
382.24287	171.08	16.34	16.10	16.71	15.96	1.33E-02	7.10E-01	3.88E-01	3.71E-01	5.02E-02	9.43E-01	1.20E-02
382.24479	297.4	13.26	14.43	15.42	14.27	6.06E-13	6.05E-05	7.79E-14	1.19E-03	1.40E-03	9.28E-01	1.82E-04
382.29677	224.67	17.18	15.63	16.32	15.94	2.34E-19	4.25E-14	3.78E-07	1.13E-12	9.49E-05	2.35E-01	8.09E-02
382.79592	68.47	15.98	15.38	15.92	16.05	5.86E-14	2.64E-11	8.34E-01	8.87E-01	6.82E-09	3.74E-12	4.33E-01
382.81862	94.18	17.85	17.42	17.51	17.32	4.05E-05	8.76E-04	1.50E-02	4.72E-05	8.32E-01	8.56E-01	3.65E-01
382.82432	76.47	13.41	11.32	13.57	13.32	5.60E-21	4.37E-14	8.95E-01	9.77E-01	4.42E-14	8.26E-14	7.08E-01
382.84411	41.3	19.55	19.72	20.67	20.49	1.22E-28	2.79E-01	1.31E-14	4.15E-14	4.16E-14	2.06E-11	2.65E-01
382.86307	69.32	14.75	11.12	14.60	14.93	7.04E-39	5.11E-15	9.36E-01	9.03E-01	5.11E-15	5.11E-15	6.11E-01
382.87279	25.8	13.83	13.13	14.41	13.02	2.56E-02	4.86E-01	6.40E-01	3.84E-01	5.66E-02	9.97E-01	3.91E-02
382.91489	32.43	14.73	15.51	16.15	15.61	1.30E-07	4.73E-03	2.02E-08	1.57E-03	4.03E-02	9.80E-01	1.23E-01
382.9554	24.51	14.80	16.79	16.81	16.67	3.72E-11	8.33E-09	4.29E-09	1.49E-07	1.00E+00	9.83E-01	9.73E-01
383.01487	40.63	14.11	16.85	14.23	13.83	2.21E-30	1.07E-14	9.48E-01	6.48E-01	2.93E-14	6.22E-15	3.48E-01
383.0313	32.73	15.63	14.97	15.04	14.51	1.21E-04	2.64E-02	5.68E-02	3.22E-05	9.90E-01	2.50E-01	1.36E-01
383.05216	17.11	15.62	18.60	18.79	17.77	5.49E-31	7.77E-15	5.11E-15	7.33E-14	8.83E-01	1.01E-02	7.65E-04
383.08238	46.46	14.50	18.36	13.47	14.26	2.30E-49	5.11E-15	3.77E-04	7.91E-01	5.11E-15	5.11E-15	1.85E-02
383.09069	22.07	17.05	17.78	18.37	18.22	8.85E-20	7.57E-07	4.37E-14	6.52E-14	1.90E-04	1.26E-02	7.29E-01
383.10666	21.05	18.74	19.61	19.62	19.41	5.57E-13	9.36E-11	3.55E-11	1.58E-06	1.00E+00	3.93E-01	3.35E-01
383.1156	22.4	18.95	19.13	19.01	19.06	3.65E-02	2.14E-02	7.10E-01	2.97E-01	2.74E-01	7.27E-01	8.92E-01
383.22071	203.7	17.99	17.03	17.35	17.38	2.02E-05	6.95E-06	4.54E-03	1.24E-02	3.77E-01	3.04E-01	9.98E-01
383.24307	176.84	15.56	13.65	16.39	14.79	2.38E-14	2.44E-08	4.25E-02	7.97E-02	5.38E-14	3.45E-03	1.28E-05
383.29584	276.52	19.13	18.41	19.14	18.97	1.24E-04	3.10E-04	1.00E+00	7.84E-01	3.55E-04	1.61E-02	7.68E-01
383.31732	291.52	14.45	15.32	15.67	14.58	6.33E-04	4.65E-02	1.37E-03	9.81E-01	7.14E-01	1.54E-01	9.69E-03
383.84551	53.22	15.42	14.66	15.62	15.37	7.95E-09	3.24E-06	5.55E-01	9.88E-01	7.94E-09	4.67E-05	4.01E-01
383.93696	30.69	17.64	18.30	18.43	17.60	1.48E-09	5.56E-05	8.19E-07	9.96E-01	8.34E-01	6.08E-05	1.16E-06
384.0352	20.13	19.28	19.99	19.84	20.29	2.60E-05	3.07E-03	2.95E-02	1.10E-05	8.84E-01	4.75E-01	1.35E-01
384.11913	23.42	15.16	14.49	13.85	14.45	7.93E-03	2.85E-01	2.84E-03	2.49E-01	3.37E-01	9.99E-01	4.29E-01
384.22433	211.54	15.22	13.77	14.13	14.57	5.33E-04	3.39E-04	1.11E-02	2.86E-01	7.54E-01	1.40E-01	6.25E-01
384.25723	168.13	17.97	17.70	17.96	17.57	2.74E-01	6.64E-01	1.00E+00	3.56E-01	6.83E-01	9.55E-01	3.78E-01
384.29921	277.14	16.66	16.05	16.54	16.49	8.93E-02	6.78E-02	9.59E-01	9.10E-01	2.18E-01	3.30E-01	9.98E-01
384.31283	242.84	17.66	17.46	17.86	17.06	8.59E-06	5.27E-01	5.27E-01	6.82E-04	4.26E-02	5.89E-02	3.76E-06
384.8207	77.36	15.06	14.36	16.10	16.03	6.72E-22	4.01E-04	2.37E-08	5.26E-07	4.15E-14	4.26E-14	9.82E-01
384.84086	56.6	16.08	15.42	17.08	16.81	2.27E-36	5.02E-08	4.24E-14	4.75E-09	5.11E-15	7.77E-15	8.63E-02
384.85193	80.78	16.64	14.81	15.68	16.30	1.54E-36	5.11E-15	2.73E-13	2.96E-02	7.34E-11	9.55E-15	9.16E-06
384.89085	49.23	15.07	15.41	14.91	14.82	3.45E-01	7.36E-01	9.62E-01	8.82E-01	4.53E-01	3.32E-01	9.94E-01
384.9142	35.6	18.48	19.50	19.25	19.42	2.88E-10	2.39E-09	8.46E-06	1.09E-07	3.77E-01	9.53E-01	7.28E-01
384.93609	42.57	19.31	21.79	21.68	21.66	4.07E-28	1.98E-14	3.02E-14	3.95E-14	9.59E-01	9.34E-01	9.99E-01
384.94723	20.42	13.07	15.30	15.40	14.30	7.76E-15	5.84E-12	5.11E-13	3.88E-04	9.88E-01	7.75E-03	2.42E-03
384.97231	38.82	15.49	13.65	13.25	14.46	1.95E-09	1.60E-06	3.25E-09	2.25E-02	6.88E-01	1.18E-01	5.64E-03

384.98561	18.74	16.25	18.25	18.55	18.44	4.86E-35	1.15E-14	5.11E-15	5.77E-15	3.11E-01	7.04E-01	9.32E-01
384.99651	54.43	15.06	16.44	16.67	16.14	3.08E-05	6.06E-04	3.53E-05	1.49E-02	9.21E-01	8.51E-01	4.80E-01
385.01966	70.61	7.24	18.37	6.12	6.51	2.34E-111	5.11E-15	1.27E-03	8.98E-02	5.11E-15	5.11E-15	5.97E-01
385.04187	20.95	15.30	15.31	14.41	15.52	4.88E-02	1.00E+00	1.36E-01	9.49E-01	1.45E-01	9.60E-01	5.10E-02
385.06349	18.3	11.50	17.60	17.13	16.60	2.52E-52	5.11E-15	5.11E-15	5.11E-15	4.95E-01	2.24E-02	4.21E-01
385.1792	204.57	18.22	19.12	19.50	19.08	2.32E-15	1.44E-08	4.36E-14	1.35E-07	5.07E-02	9.94E-01	3.00E-02
385.19292	225.65	17.39	16.37	17.04	18.11	7.77E-44	1.98E-14	6.06E-04	2.96E-12	4.85E-11	5.11E-15	2.02E-14
385.20032	57.71	16.23	14.53	15.67	15.99	1.73E-05	1.20E-05	3.71E-01	9.11E-01	8.16E-03	5.35E-04	8.14E-01
385.23693	238.22	20.93	19.96	20.25	20.54	1.41E-23	1.42E-14	1.56E-13	5.97E-05	5.76E-03	2.72E-09	5.33E-03
385.26112	190.64	16.73	16.61	17.13	16.35	2.61E-03	9.37E-01	1.65E-01	2.47E-01	5.05E-02	5.91E-01	1.11E-03
385.3072	180.81	13.58	12.49	11.65	13.43	2.28E-08	5.91E-03	8.36E-08	9.66E-01	6.64E-02	3.87E-02	3.88E-06
385.31169	299.95	14.79	17.60	18.04	16.89	7.55E-18	5.25E-13	4.43E-14	1.23E-07	6.02E-01	2.30E-01	1.06E-02
385.92901	31.16	15.51	16.26	16.42	15.48	2.19E-07	7.52E-04	2.02E-05	9.99E-01	8.49E-01	9.07E-04	3.13E-05
385.9395	42.51	15.21	17.38	17.24	17.31	7.17E-24	4.13E-14	4.26E-14	4.27E-14	9.16E-01	9.90E-01	9.88E-01
386.02103	31.1	16.60	19.19	19.38	18.36	1.29E-53	5.11E-15	5.11E-15	7.99E-15	5.55E-01	7.92E-07	6.49E-10
386.03457	18.21	16.63	21.40	20.83	21.14	3.12E-65	5.11E-15	5.11E-15	5.11E-15	4.97E-02	6.82E-01	4.97E-01
386.0633	34.6	16.39	15.93	16.74	15.21	3.52E-03	6.71E-01	8.26E-01	2.59E-02	2.14E-01	3.35E-01	2.29E-03
386.14975	25.26	12.63	13.30	13.99	12.50	1.10E-07	5.59E-02	2.16E-06	9.68E-01	4.86E-02	2.39E-02	9.34E-07
386.18255	205.21	15.82	16.51	17.01	16.50	1.66E-11	6.25E-05	1.48E-12	1.55E-04	9.70E-03	1.00E+00	9.06E-03
386.23774	154.52	20.06	19.78	20.12	19.80	7.57E-02	2.76E-01	9.82E-01	3.69E-01	1.47E-01	9.99E-01	2.12E-01
386.23992	233.43	18.47	17.14	17.41	17.81	6.86E-28	5.33E-15	4.35E-14	3.67E-08	5.93E-02	3.79E-08	1.94E-03
386.27156	189.17	17.03	16.46	17.20	16.62	2.16E-03	3.55E-02	8.46E-01	2.29E-01	3.64E-03	8.87E-01	4.35E-02
386.2919	177.87	10.26	13.47	11.62	10.66	8.82E-12	1.29E-11	8.69E-03	8.03E-01	2.28E-04	1.83E-08	1.44E-01
386.31494	297	14.31	14.69	15.21	14.43	7.10E-03	4.85E-01	5.37E-03	9.72E-01	2.54E-01	7.90E-01	3.37E-02
386.32817	267.21	18.73	18.18	18.20	18.99	6.79E-05	2.55E-02	3.23E-02	5.54E-01	1.00E+00	5.63E-04	7.42E-04
386.80171	63.77	15.50	15.09	16.96	16.29	2.77E-41	1.97E-03	5.11E-15	4.54E-10	5.11E-15	4.17E-14	2.79E-07
386.81033	45.67	19.05	17.37	19.52	19.61	3.83E-44	5.33E-15	2.16E-03	3.05E-04	5.11E-15	5.11E-15	9.22E-01
386.83037	91.35	13.60	14.26	14.95	14.62	3.01E-15	1.33E-04	4.41E-14	4.05E-09	1.23E-04	1.33E-01	1.75E-01
386.87353	41.62	21.97	22.58	22.59	22.47	8.25E-13	2.30E-10	4.51E-11	5.36E-07	9.97E-01	6.16E-01	4.83E-01
386.91283	56.05	14.58	13.01	12.02	13.35	2.79E-05	1.35E-02	6.24E-06	9.57E-02	2.37E-01	9.22E-01	6.63E-02
386.9225	26.71	17.27	16.55	16.23	16.78	1.06E-06	8.16E-04	3.31E-07	5.34E-02	3.43E-01	6.42E-01	2.71E-02
386.9309	37.41	18.57	19.51	19.42	19.53	1.15E-19	4.51E-14	2.51E-13	4.32E-14	8.30E-01	9.98E-01	7.43E-01
386.94008	36.51	14.15	15.49	15.56	15.48	1.40E-14	7.17E-11	4.94E-12	3.20E-10	9.83E-01	1.00E+00	9.73E-01
386.98025	33.8	14.81	15.28	15.02	14.95	1.56E-01	1.06E-01	7.39E-01	9.18E-01	5.98E-01	4.18E-01	9.87E-01
387.03568	25.64	16.38	21.48	17.83	18.17	7.10E-64	5.11E-15	7.27E-11	6.08E-14	5.11E-15	5.11E-15	3.95E-01
387.11528	142.57	16.21	14.93	16.33	14.78	4.14E-05	6.98E-03	9.91E-01	2.49E-03	3.32E-03	9.82E-01	1.15E-03
387.16632	24.81	15.99	16.29	16.34	16.27	9.63E-02	2.03E-01	1.03E-01	2.67E-01	9.91E-01	1.00E+00	9.81E-01
387.17727	205.42	14.26	14.24	14.45	14.40	8.92E-01	1.00E+00	9.26E-01	9.74E-01	9.12E-01	9.65E-01	9.98E-01
387.19505	240.07	20.54	20.84	21.31	21.09	4.47E-22	1.10E-04	2.60E-14	4.44E-12	3.77E-09	6.82E-03	1.52E-02
387.19542	25.51	16.56	14.81	15.79	17.53	1.36E-08	1.27E-04	2.17E-01	9.36E-02	8.50E-02	6.06E-09	3.10E-04
387.21619	100.64	20.03	18.12	19.41	20.02	3.69E-14	7.90E-13	4.91E-02	1.00E+00	2.33E-06	1.25E-11	7.77E-02
387.24094	164.11	17.78	17.52	17.86	17.44	2.97E-02	3.54E-01	9.54E-01	1.46E-01	1.50E-01	9.56E-01	5.06E-02
387.25255	248.12	18.95	17.22	17.66	18.10	2.06E-40	5.11E-15	5.55E-15	4.67E-13	3.82E-04	5.71E-13	3.89E-04
387.27619	222.74	21.47	20.71	20.46	20.40	1.04E-06	1.97E-03	1.16E-05	6.73E-06	6.36E-01	4.84E-01	9.92E-01
387.28715	163.21	16.65	17.00	16.34	17.58	6.60E-05	5.28E-01	6.05E-01	2.65E-03	5.81E-02	1.36E-01	3.35E-05

387.87687	41.53	17.35	17.97	17.92	17.66	4.53E-09	3.46E-08	2.90E-07	1.78E-02	9.69E-01	2.34E-02	7.10E-02
387.96721	33.44	14.80	15.18	15.99	13.79	3.45E-07	7.14E-01	4.50E-03	2.91E-02	1.12E-01	1.44E-03	6.23E-08
388.03389	26.94	13.75	19.02	16.58	17.13	1.11E-51	5.11E-15	1.98E-14	5.11E-15	4.26E-14	1.13E-10	1.60E-01
388.12193	21.89	17.64	18.19	17.56	17.50	4.85E-08	3.04E-05	8.92E-01	6.00E-01	1.91E-06	3.10E-07	9.48E-01
388.19837	238.17	17.73	18.39	18.83	18.53	2.49E-36	4.40E-14	5.11E-15	3.04E-14	2.83E-08	2.72E-01	3.05E-04
388.19906	26.34	12.65	10.88	10.82	14.05	1.22E-09	3.30E-03	1.99E-03	4.06E-02	1.00E+00	8.18E-08	3.61E-08
388.21962	99.91	17.57	15.23	16.97	17.58	9.89E-14	2.70E-12	1.97E-01	1.00E+00	3.36E-07	2.32E-11	2.21E-01
388.23344	163.93	15.32	14.42	14.84	14.50	9.13E-05	1.35E-04	9.44E-02	1.04E-03	2.00E-01	9.79E-01	4.23E-01
388.25339	173.98	21.22	20.76	20.88	20.51	5.23E-03	8.19E-02	2.84E-01	2.44E-03	9.29E-01	6.22E-01	2.69E-01
388.25581	250.76	15.96	12.74	11.55	14.12	1.52E-17	2.84E-10	4.26E-14	8.42E-04	5.99E-02	2.78E-02	1.79E-06
388.27106	176.16	12.58	12.90	13.73	13.11	3.67E-04	6.31E-01	1.33E-04	2.18E-01	1.44E-02	8.79E-01	1.25E-01
388.27951	228.21	19.11	18.17	17.88	17.91	2.59E-07	4.86E-04	1.59E-06	6.50E-06	6.09E-01	7.02E-01	1.00E+00
388.28983	166.97	14.66	13.74	13.08	14.91	1.70E-09	7.77E-03	4.18E-07	8.30E-01	1.12E-01	7.68E-04	2.55E-08
388.30732	171.9	10.84	12.75	10.32	10.68	1.20E-11	1.26E-07	3.75E-01	9.61E-01	3.89E-11	5.05E-08	7.24E-01
388.81078	58.3	21.27	21.69	21.73	21.67	3.69E-08	4.72E-06	2.82E-07	2.39E-05	9.56E-01	9.96E-01	8.89E-01
388.83154	82.06	16.60	16.59	16.87	16.76	5.26E-02	1.00E+00	8.59E-02	5.19E-01	8.63E-02	5.01E-01	8.05E-01
388.85011	79.86	16.03	14.57	15.20	15.07	1.54E-20	3.29E-14	1.33E-08	2.15E-10	4.81E-05	3.18E-03	7.88E-01
388.87149	47.82	18.66	19.42	19.54	19.42	1.34E-12	1.09E-08	2.69E-11	2.24E-08	7.73E-01	1.00E+00	7.99E-01
388.88912	45.36	21.59	22.91	22.87	22.76	7.06E-47	5.11E-15	5.11E-15	5.11E-15	9.63E-01	2.79E-01	5.38E-01
388.9013	29.6	13.36	12.68	14.20	13.46	2.63E-04	1.63E-01	5.45E-02	9.92E-01	5.98E-05	1.14E-01	1.44E-01
388.9212	24.8	16.79	16.20	16.21	16.28	1.36E-03	4.01E-03	4.45E-03	2.05E-02	1.00E+00	9.75E-01	9.84E-01
389.03534	52.71	13.67	18.39	14.03	13.08	8.49E-38	5.11E-15	7.34E-01	3.41E-01	5.77E-15	5.11E-15	4.71E-02
389.0768	197.6	18.69	17.81	18.15	17.76	2.52E-50	5.11E-15	3.20E-14	5.11E-15	1.88E-09	8.25E-01	3.11E-11
389.07852	17.17	14.38	14.85	14.73	15.30	2.61E-02	3.75E-01	6.19E-01	1.20E-02	9.78E-01	4.51E-01	2.39E-01
389.12711	17.36	20.35	20.79	20.67	20.42	2.55E-02	3.44E-02	1.80E-01	9.77E-01	8.96E-01	1.29E-01	4.26E-01
389.1339	19.81	14.90	14.87	15.01	15.04	9.53E-01	1.00E+00	9.88E-01	9.76E-01	9.78E-01	9.62E-01	1.00E+00
389.16729	26.18	16.31	15.20	15.52	15.18	6.59E-11	2.62E-09	3.26E-05	3.71E-09	2.39E-01	1.00E+00	2.15E-01
389.19306	227.28	14.44	16.90	17.05	16.89	2.20E-23	4.09E-14	4.06E-14	4.40E-14	9.45E-01	1.00E+00	9.31E-01
389.19586	60.74	15.49	12.01	14.80	15.87	5.50E-11	4.51E-09	5.75E-01	8.99E-01	5.19E-06	6.65E-10	2.33E-01
389.21053	162.01	15.28	13.20	13.36	13.68	1.27E-29	6.00E-15	1.55E-14	4.26E-14	7.89E-01	3.68E-02	2.66E-01
389.2106	256.12	18.09	17.80	18.37	18.25	1.87E-04	1.09E-01	1.20E-01	5.99E-01	1.08E-04	5.04E-03	8.14E-01
389.21121	26.88	12.57	10.22	10.19	13.78	7.37E-10	4.33E-04	2.88E-04	1.83E-01	1.00E+00	1.42E-07	8.00E-08
389.23162	213.15	10.69	9.46	12.64	14.14	7.14E-11	2.18E-01	1.20E-02	1.82E-06	1.14E-05	2.20E-10	1.12E-01
389.24727	234.31	19.88	19.43	19.34	19.94	3.60E-02	2.56E-01	1.17E-01	9.96E-01	9.84E-01	2.03E-01	9.26E-02
389.25615	173.61	19.45	18.27	18.52	18.24	3.51E-10	1.73E-08	8.18E-06	1.74E-08	5.97E-01	9.99E-01	5.19E-01
389.29148	248.25	23.30	22.26	22.13	22.22	6.68E-23	4.24E-14	4.26E-14	4.34E-14	6.91E-01	9.88E-01	8.79E-01
389.30968	285.4	17.05	17.29	16.76	18.01	2.08E-12	4.02E-01	2.12E-01	1.91E-08	4.12E-03	5.84E-05	8.40E-13
389.81436	68.56	15.76	15.85	16.71	16.03	9.64E-18	8.21E-01	4.35E-14	6.10E-02	2.03E-13	3.70E-01	8.37E-09
389.89257	40.75	16.72	18.43	18.36	18.23	3.63E-46	5.11E-15	5.11E-15	5.11E-15	9.15E-01	2.93E-01	6.62E-01
389.96797	17.33	14.42	17.41	17.02	16.53	3.66E-45	5.11E-15	5.11E-15	9.33E-15	1.41E-01	1.83E-05	3.41E-02
390.05058	41.46	14.34	14.60	14.36	13.42	4.63E-03	8.51E-01	1.00E+00	3.04E-02	8.88E-01	3.56E-03	2.93E-02
390.07677	193.76	15.81	12.26	13.96	12.98	3.04E-18	4.22E-14	4.24E-06	7.95E-12	5.27E-05	2.43E-01	5.54E-02
390.11995	21.64	15.69	15.44	15.28	15.49	3.76E-01	7.22E-01	2.92E-01	8.47E-01	9.01E-01	9.97E-01	8.18E-01
390.21409	251.38	15.22	15.75	15.63	15.81	9.62E-02	1.61E-01	3.57E-01	1.11E-01	9.70E-01	9.96E-01	9.12E-01
390.23969	189.28	16.01	16.67	17.23	15.70	4.75E-12	6.24E-03	2.64E-08	4.38E-01	3.68E-02	4.47E-05	3.89E-11

390.24921	174.65	16.47	15.78	15.90	15.77	3.64E-04	1.34E-03	1.06E-02	1.53E-03	9.24E-01	1.00E+00	9.09E-01
390.25059	234.28	16.81	16.38	15.92	16.95	5.16E-02	6.88E-01	1.02E-01	9.85E-01	6.60E-01	5.10E-01	6.00E-02
390.25986	169.35	15.78	14.70	14.86	15.04	3.00E-07	5.50E-07	1.87E-05	1.58E-03	8.67E-01	3.56E-01	8.02E-01
390.26888	177.98	20.70	20.36	20.47	19.78	5.95E-08	7.70E-02	3.64E-01	1.35E-08	8.61E-01	1.17E-03	4.71E-05
390.2954	251.76	21.16	20.12	20.10	20.03	1.51E-19	8.24E-14	4.95E-14	4.40E-14	9.98E-01	9.10E-01	9.57E-01
390.80922	68.79	19.32	19.51	19.98	19.55	1.95E-13	8.11E-02	7.90E-14	2.48E-02	1.36E-07	9.59E-01	3.34E-06
390.8265	57.7	21.23	21.21	22.00	21.60	5.25E-23	9.98E-01	4.14E-14	1.96E-05	4.22E-14	1.76E-05	5.63E-06
390.86425	69.47	15.76	14.03	15.13	15.36	5.72E-30	5.11E-15	4.99E-06	1.30E-02	6.39E-14	4.52E-14	2.78E-01
390.88175	28.96	15.24	14.60	16.95	12.65	1.20E-19	3.49E-01	7.00E-05	2.50E-09	5.49E-08	1.78E-05	3.53E-14
390.88854	39.83	18.57	19.88	19.87	19.83	1.38E-46	5.11E-15	5.11E-15	5.11E-15	9.99E-01	9.19E-01	9.60E-01
390.89349	44.03	13.96	15.13	15.03	14.93	1.93E-09	2.27E-08	2.99E-07	9.70E-06	9.50E-01	7.34E-01	9.56E-01
390.90201	31.25	17.44	19.07	19.15	19.03	1.02E-18	9.19E-14	4.40E-14	6.85E-13	9.77E-01	9.97E-01	9.33E-01
390.94345	48.81	16.58	14.18	15.01	14.61	3.13E-05	2.72E-05	1.16E-02	1.20E-03	3.84E-01	8.60E-01	8.72E-01
390.95345	21.05	14.74	14.57	14.19	14.81	1.39E-01	9.38E-01	2.00E-01	9.93E-01	5.32E-01	8.48E-01	1.45E-01
390.96421	26.26	19.90	19.91	20.01	20.05	5.98E-01	1.00E+00	8.28E-01	6.41E-01	8.88E-01	7.24E-01	9.86E-01
391.02157	206.08	16.21	15.97	16.06	15.88	2.97E-01	5.04E-01	8.12E-01	2.57E-01	9.58E-01	9.66E-01	7.69E-01
391.06803	55.52	11.44	17.45	10.88	10.84	4.83E-67	5.11E-15	1.92E-01	1.73E-01	5.11E-15	5.11E-15	9.99E-01
391.08983	53.81	15.64	18.93	14.75	15.05	4.00E-143	5.11E-15	5.11E-15	1.26E-13	5.11E-15	5.11E-15	1.76E-04
391.10485	24.48	15.51	17.75	17.40	16.33	1.77E-12	2.09E-11	1.03E-08	4.49E-02	6.80E-01	8.88E-05	4.83E-03
391.12422	17.46	18.56	18.95	18.88	18.55	2.48E-02	6.92E-02	1.89E-01	1.00E+00	9.67E-01	8.61E-02	2.16E-01
391.13416	41.34	14.83	16.21	15.88	15.73	9.27E-13	9.11E-13	3.45E-08	5.76E-06	2.57E-01	5.22E-02	8.56E-01
391.21332	69.43	18.86	18.13	18.84	19.12	6.77E-03	4.50E-02	1.00E+00	8.03E-01	6.53E-02	4.87E-03	7.63E-01
391.22622	179.1	18.48	17.16	17.43	17.42	7.65E-18	4.36E-14	1.68E-11	3.68E-11	2.33E-01	3.20E-01	9.99E-01
391.2263	285.49	11.84	17.09	17.24	16.60	5.32E-38	5.11E-15	5.11E-15	7.33E-15	9.83E-01	6.22E-01	3.93E-01
391.24804	212.19	17.91	17.20	17.21	18.12	1.25E-02	1.48E-01	1.52E-01	9.23E-01	1.00E+00	4.53E-02	4.64E-02
391.26292	252.14	21.25	20.89	20.51	21.16	3.03E-03	3.33E-01	2.57E-03	9.76E-01	2.76E-01	6.29E-01	1.76E-02
391.2722	184.33	18.40	17.97	18.14	17.47	3.24E-09	9.51E-03	2.12E-01	6.15E-10	6.19E-01	2.17E-03	1.59E-05
391.2862	39.67	15.78	15.59	15.07	15.61	2.52E-01	9.55E-01	2.05E-01	9.66E-01	5.00E-01	1.00E+00	5.00E-01
391.29762	250.85	17.89	16.29	16.22	16.36	1.20E-29	2.02E-14	7.99E-15	3.87E-14	9.57E-01	9.64E-01	7.61E-01
391.83027	67.04	16.31	15.36	16.84	16.44	6.11E-43	1.27E-14	1.89E-09	4.15E-01	5.11E-15	5.77E-15	2.34E-05
391.89929	18.98	13.52	16.53	16.51	16.62	4.73E-37	5.11E-15	5.11E-15	5.11E-15	1.00E+00	9.82E-01	9.74E-01
391.96718	28.22	15.38	16.20	16.69	15.88	5.71E-09	3.03E-04	1.25E-09	6.70E-02	7.50E-02	4.35E-01	7.72E-04
391.98812	85.04	13.63	14.25	14.85	14.88	9.53E-07	6.13E-02	8.10E-06	9.93E-06	8.73E-02	7.81E-02	9.99E-01
391.99766	18.68	14.89	15.94	15.60	15.61	2.26E-03	1.19E-03	5.00E-02	5.82E-02	6.38E-01	6.81E-01	1.00E+00
392.00731	20.31	15.65	17.13	16.86	17.18	5.08E-11	4.40E-09	1.71E-06	3.81E-09	6.46E-01	9.98E-01	5.46E-01
392.04095	24.15	15.80	13.39	12.43	14.10	4.77E-15	1.06E-08	4.27E-14	1.41E-04	6.90E-02	2.97E-01	2.51E-04
392.08944	23.77	19.15	19.33	19.61	19.62	1.20E-02	6.91E-01	2.70E-02	2.69E-02	3.49E-01	3.26E-01	1.00E+00
392.21691	86.49	15.96	15.35	16.02	16.33	2.42E-01	5.50E-01	9.99E-01	8.64E-01	4.88E-01	1.87E-01	9.18E-01
392.2295	173.61	16.15	14.23	14.61	14.86	2.27E-25	1.02E-14	4.44E-14	2.46E-12	1.02E-01	1.74E-03	4.66E-01
392.2661	252.1	18.77	18.20	17.79	18.61	2.33E-04	7.01E-02	2.18E-04	9.10E-01	3.37E-01	3.37E-01	5.55E-03
392.27753	194.4	15.99	14.91	15.04	14.50	2.30E-10	2.41E-06	4.14E-05	1.64E-10	9.15E-01	2.42E-01	5.87E-02
392.78778	94.77	13.15	12.56	13.13	13.58	1.31E-04	2.77E-02	1.00E+00	1.67E-01	4.16E-02	3.06E-05	1.51E-01
392.80715	80.12	15.19	14.88	15.58	15.16	2.06E-09	1.06E-02	4.56E-04	9.96E-01	2.13E-10	3.29E-02	4.36E-04
392.8184	61.15	17.12	15.25	16.34	17.13	6.99E-28	7.99E-15	5.50E-06	1.00E+00	7.24E-10	1.87E-14	1.46E-05
392.82505	52.52	18.97	19.08	19.85	19.46	4.20E-26	4.94E-01	1.04E-14	8.39E-09	4.37E-14	1.62E-05	1.04E-05

392.87846	49.87	16.47	19.02	18.96	18.48	2.30E-38	5.11E-15	5.11E-15	2.60E-14	9.85E-01	2.13E-02	5.13E-02
392.90225	40.08	18.69	17.48	18.08	18.18	1.09E-05	1.80E-06	3.61E-02	1.29E-01	5.56E-02	2.26E-02	9.75E-01
392.923	46.13	17.84	18.76	19.23	18.99	3.62E-22	1.08E-10	3.29E-14	4.97E-14	2.38E-03	3.42E-01	2.73E-01
392.9442	43.85	14.38	12.77	11.73	14.84	4.77E-13	5.43E-04	1.89E-09	6.93E-01	6.24E-02	1.47E-05	2.81E-11
392.95281	29.64	13.11	14.16	14.07	14.03	7.22E-03	1.27E-02	2.63E-02	4.45E-02	9.93E-01	9.85E-01	1.00E+00
392.95993	25.82	15.75	15.41	15.33	15.60	1.16E-01	2.62E-01	1.16E-01	8.70E-01	9.81E-01	7.56E-01	5.20E-01
393.0101	19.46	16.70	18.63	18.14	17.76	6.76E-15	4.71E-14	2.37E-09	2.97E-05	1.31E-01	1.47E-03	3.72E-01
393.04376	51.52	15.32	23.94	16.81	15.90	1.05E-76	5.11E-15	2.10E-05	2.85E-01	5.11E-15	5.11E-15	3.18E-02
393.06865	47.11	15.39	19.50	14.33	14.62	3.69E-141	5.11E-15	6.00E-15	5.17E-14	5.11E-15	5.11E-15	1.07E-02
393.09285	24.24	15.64	15.04	15.27	15.78	7.75E-02	1.88E-01	5.96E-01	9.71E-01	8.75E-01	9.42E-02	3.72E-01
393.16137	82.9	13.04	10.85	14.12	14.83	3.91E-10	6.45E-04	2.11E-01	1.08E-02	1.80E-07	6.99E-10	6.15E-01
393.17231	158.86	16.35	16.44	15.46	16.86	4.47E-06	9.83E-01	2.93E-03	1.96E-01	1.17E-03	3.87E-01	1.81E-06
393.22916	68.86	15.37	14.41	15.12	16.19	5.32E-03	1.66E-01	9.47E-01	3.20E-01	4.41E-01	2.00E-03	1.27E-01
393.24187	174.51	18.48	18.99	19.13	18.21	1.28E-03	1.67E-01	4.15E-02	7.27E-01	9.45E-01	1.72E-02	2.75E-03
393.2612	250.4	19.40	18.81	18.39	19.27	1.74E-05	3.50E-02	2.35E-05	9.38E-01	2.20E-01	1.85E-01	7.02E-04
393.27815	283.6	19.90	20.26	20.27	20.46	1.64E-03	5.39E-02	3.92E-02	8.73E-04	1.00E+00	5.49E-01	6.01E-01
393.27871	22.5	16.32	14.53	13.78	14.26	1.74E-10	1.36E-05	2.32E-10	8.60E-07	1.91E-01	9.02E-01	5.91E-01
393.82917	41.64	14.13	10.02	13.43	13.79	5.51E-16	5.17E-14	4.46E-01	8.96E-01	2.03E-10	1.14E-11	8.89E-01
393.89401	35.38	14.26	13.47	13.66	14.05	2.06E-01	2.06E-01	4.40E-01	9.57E-01	9.66E-01	5.22E-01	7.93E-01
393.97868	27.45	10.97	13.59	14.40	12.85	5.05E-10	2.18E-06	2.71E-10	1.69E-03	3.86E-01	5.02E-01	1.78E-02
394.05133	62.35	9.97	20.90	7.86	8.17	2.77E-60	5.11E-15	3.05E-03	2.22E-02	5.11E-15	5.11E-15	9.61E-01
394.07229	66.7	14.26	15.63	12.66	13.20	1.30E-89	5.11E-15	5.11E-15	9.10E-15	5.11E-15	5.11E-15	9.55E-08
394.08441	26.16	13.94	13.83	14.45	14.22	1.74E-01	9.83E-01	3.08E-01	8.04E-01	1.75E-01	6.11E-01	8.73E-01
394.17551	150.17	14.01	13.67	12.31	14.14	1.02E-07	7.17E-01	1.39E-06	9.77E-01	2.77E-04	5.03E-01	7.81E-07
394.20968	63.44	12.91	15.93	10.94	11.60	7.45E-112	5.11E-15	5.11E-15	1.95E-14	5.11E-15	5.11E-15	2.84E-07
394.24487	168.05	16.45	16.45	16.57	15.95	1.46E-04	1.00E+00	8.16E-01	2.26E-03	8.06E-01	3.71E-03	1.19E-04
394.263	252.45	16.79	15.83	15.58	16.41	1.23E-03	1.88E-02	1.43E-03	6.71E-01	8.85E-01	3.32E-01	7.72E-02
394.28133	287.72	17.43	17.34	17.21	17.53	3.76E-01	9.58E-01	6.03E-01	9.51E-01	8.94E-01	7.50E-01	3.28E-01
394.75584	85.84	15.78	16.35	16.84	16.73	3.91E-12	8.08E-04	2.16E-11	5.98E-09	5.23E-03	5.68E-02	8.94E-01
394.80333	90.94	10.63	13.60	13.50	13.63	6.75E-17	4.49E-13	1.50E-12	8.97E-13	9.93E-01	1.00E+00	9.85E-01
394.81566	69.64	16.36	13.89	15.61	15.90	3.42E-51	5.11E-15	2.08E-08	1.98E-03	5.11E-15	5.11E-15	1.08E-01
394.82295	61.19	15.39	14.01	15.57	15.22	1.01E-24	4.14E-14	5.63E-01	6.00E-01	2.07E-14	7.03E-14	7.04E-02
394.83646	51.8	16.18	15.14	16.22	14.77	2.32E-06	4.89E-03	9.99E-01	8.35E-05	3.98E-03	6.75E-01	7.02E-05
394.86007	57.07	19.42	18.69	20.18	20.07	1.86E-34	2.62E-10	2.34E-11	3.20E-08	5.11E-15	5.77E-15	7.51E-01
394.88049	72.26	14.77	10.33	14.74	15.02	5.98E-21	4.39E-14	1.00E+00	9.55E-01	4.31E-14	4.35E-14	9.42E-01
394.89699	155.66	16.37	14.21	13.74	14.19	1.29E-10	5.43E-07	5.93E-10	8.52E-07	6.40E-01	1.00E+00	6.88E-01
394.95821	32.95	14.94	12.68	12.08	13.93	8.77E-15	2.71E-09	9.04E-14	2.46E-02	3.20E-01	4.16E-03	4.04E-06
395.04595	62.12	14.95	20.88	13.59	13.97	1.48E-164	5.11E-15	5.11E-15	4.46E-14	5.11E-15	5.11E-15	9.51E-04
395.05337	63.47	13.63	15.82	11.59	12.29	1.70E-120	5.11E-15	5.11E-15	5.11E-15	5.11E-15	5.11E-15	2.52E-12
395.08905	17.89	17.05	20.27	19.83	18.85	4.49E-23	3.24E-14	4.17E-14	7.08E-08	4.84E-01	5.90E-05	9.43E-03
395.22096	231.2	21.00	20.49	21.22	21.53	1.41E-28	4.24E-10	1.75E-02	3.68E-10	4.33E-14	5.11E-15	6.30E-04
395.24488	86.97	12.52	11.46	14.39	14.96	7.94E-07	3.71E-01	2.19E-02	1.91E-03	1.03E-04	4.87E-06	8.37E-01
395.24686	192.68	16.57	15.78	16.20	16.21	1.78E-03	4.92E-04	2.21E-01	2.83E-01	1.71E-01	1.70E-01	1.00E+00
395.25727	167.26	17.42	18.38	18.67	17.35	6.14E-05	1.86E-02	9.01E-04	9.97E-01	8.32E-01	1.65E-02	9.28E-04
395.27495	284.12	18.23	18.34	18.37	18.67	6.82E-02	9.07E-01	8.13E-01	4.29E-02	9.97E-01	2.16E-01	2.96E-01

395.86347	47.62	14.81	12.82	15.06	15.15	1.03E-25	4.11E-14	6.07E-01	3.73E-01	3.38E-14	3.29E-14	9.76E-01
395.91433	31.54	14.71	15.49	15.45	15.13	3.13E-04	7.18E-04	1.23E-03	1.72E-01	9.98E-01	3.24E-01	4.10E-01
395.9579	34.08	17.87	18.79	18.93	18.29	4.92E-17	4.14E-12	4.40E-14	4.91E-03	6.85E-01	5.81E-04	4.89E-06
395.98111	36.36	13.47	14.77	14.37	16.52	7.78E-17	2.04E-04	1.69E-02	4.25E-14	5.96E-01	9.89E-07	1.21E-09
395.98775	50.4	12.91	13.30	15.09	13.03	1.28E-08	7.13E-01	5.66E-08	9.89E-01	2.13E-05	8.97E-01	1.35E-06
396.01973	24.73	16.65	15.74	15.86	16.02	9.07E-10	3.00E-09	2.49E-07	1.22E-04	8.24E-01	2.15E-01	6.81E-01
396.04763	35.3	15.77	17.96	16.19	15.18	2.51E-21	4.60E-14	3.18E-01	9.86E-02	2.26E-10	3.93E-14	7.56E-04
396.09201	17.01	14.11	16.65	15.98	15.55	2.98E-15	4.31E-14	2.04E-09	1.02E-05	1.00E-01	2.02E-03	4.95E-01
396.12466	19.17	13.82	18.41	11.52	12.29	1.93E-123	5.11E-15	5.11E-15	3.31E-14	5.11E-15	5.11E-15	1.32E-06
396.22415	231.11	18.89	18.30	19.08	19.38	1.64E-25	2.06E-10	8.21E-02	2.00E-07	4.24E-14	6.22E-15	5.14E-03
396.26043	168.18	15.49	15.65	16.04	15.16	1.90E-05	7.84E-01	5.52E-03	2.14E-01	9.75E-02	3.00E-02	5.20E-06
396.27816	272.5	15.85	15.72	16.32	15.78	5.48E-01	9.92E-01	7.11E-01	9.99E-01	5.54E-01	9.99E-01	6.55E-01
396.75346	85.69	15.16	15.22	15.72	15.55	3.27E-05	9.77E-01	1.09E-04	2.08E-02	8.93E-04	7.29E-02	5.68E-01
396.77168	75.96	15.65	15.40	16.32	16.21	5.96E-12	2.27E-01	3.09E-06	2.88E-04	3.41E-10	1.13E-07	8.36E-01
396.78261	82.08	15.34	15.29	15.78	15.51	8.66E-07	9.45E-01	1.39E-05	2.95E-01	2.10E-06	1.16E-01	2.35E-02
396.83183	39.01	15.52	15.80	14.64	14.88	2.06E-09	4.35E-01	1.60E-05	4.59E-03	2.12E-08	2.43E-05	6.03E-01
396.83905	50.96	17.04	15.86	18.12	17.93	3.51E-44	4.33E-14	9.68E-14	1.57E-09	5.11E-15	5.11E-15	5.05E-01
396.84747	29.7	15.53	16.39	16.88	15.88	2.38E-12	1.32E-05	2.42E-12	2.24E-01	3.39E-02	3.32E-02	8.74E-07
396.85672	80.2	17.89	16.18	17.48	17.37	4.23E-15	4.29E-14	1.33E-01	4.27E-02	1.98E-09	1.14E-07	9.49E-01
396.8676	30.2	14.78	13.45	14.17	13.86	2.40E-03	1.12E-03	3.01E-01	5.47E-02	1.86E-01	6.86E-01	8.31E-01
396.95076	30.68	15.32	15.33	15.12	14.89	6.89E-02	1.00E+00	6.80E-01	9.30E-02	6.50E-01	9.00E-02	6.05E-01
396.98285	57.64	13.92	14.56	16.53	16.45	6.63E-24	7.87E-02	4.45E-14	4.33E-14	2.34E-11	5.08E-10	9.92E-01
396.99495	17.33	13.84	15.01	14.72	14.29	6.48E-04	4.94E-04	1.33E-02	4.30E-01	7.75E-01	9.66E-02	4.96E-01
397.04098	19.59	15.51	16.00	16.59	16.44	6.44E-06	1.14E-01	8.77E-06	3.09E-04	4.80E-02	2.40E-01	9.17E-01
397.11579	23.78	17.25	19.52	19.66	18.76	8.36E-41	5.11E-15	5.11E-15	4.34E-14	8.13E-01	3.14E-05	4.45E-07
397.20545	208.71	15.59	15.17	15.22	15.40	1.71E-01	1.75E-01	2.80E-01	8.17E-01	9.94E-01	6.99E-01	8.37E-01
397.22673	169.35	17.96	18.10	17.71	18.80	2.37E-07	8.66E-01	4.96E-01	3.72E-05	1.48E-01	1.21E-03	9.36E-08
397.22678	288.13	13.36	17.78	18.38	16.60	1.22E-50	5.11E-15	5.11E-15	9.33E-15	1.32E-01	2.10E-04	6.17E-09
397.2367	242.96	19.29	18.98	19.35	19.29	1.55E-03	1.01E-02	9.32E-01	1.00E+00	1.74E-03	1.80E-02	9.33E-01
397.25995	222.48	19.64	19.32	19.29	19.32	3.74E-01	5.05E-01	4.25E-01	5.17E-01	9.99E-01	1.00E+00	1.00E+00
397.33298	293.33	13.14	15.65	15.87	15.53	8.10E-08	7.06E-06	6.64E-07	3.53E-05	9.73E-01	9.96E-01	9.17E-01
397.89525	36.79	16.30	16.27	16.30	15.51	1.22E-04	9.98E-01	1.00E+00	4.30E-04	9.98E-01	1.18E-03	5.77E-04
397.90452	37.65	17.09	18.64	19.04	18.21	4.13E-28	4.13E-14	5.33E-15	1.19E-10	6.10E-02	3.96E-02	3.45E-06
397.95304	34.81	14.57	14.33	14.63	14.05	7.67E-02	7.16E-01	9.95E-01	1.28E-01	5.83E-01	6.71E-01	8.39E-02
397.97977	56.8	14.90	16.64	18.01	17.17	2.27E-22	1.34E-08	1.98E-14	6.96E-13	1.41E-05	2.75E-01	2.06E-02
398.01787	18.81	15.96	16.55	16.43	16.70	2.39E-04	3.81E-03	2.89E-02	2.22E-04	9.10E-01	8.43E-01	4.52E-01
398.02707	18.65	14.80	16.17	16.02	16.32	4.56E-10	1.26E-07	1.96E-06	9.58E-09	9.36E-01	9.27E-01	6.32E-01
398.11911	23.37	13.25	15.06	15.36	14.16	1.60E-16	1.04E-11	4.61E-14	1.73E-03	6.17E-01	2.88E-03	2.26E-05
398.22977	159.29	15.49	15.22	14.65	16.14	1.13E-08	5.82E-01	6.57E-04	1.97E-02	5.27E-02	4.09E-04	1.91E-09
398.23993	249.54	16.67	16.03	16.22	16.43	4.40E-03	2.76E-03	6.16E-02	5.77E-01	7.30E-01	1.53E-01	6.78E-01
398.26354	222.6	17.32	16.71	16.76	16.79	1.38E-01	1.72E-01	2.22E-01	3.08E-01	9.99E-01	9.94E-01	9.99E-01
398.28205	245.34	16.68	13.26	13.34	12.83	5.66E-31	2.07E-14	2.60E-14	5.77E-15	9.94E-01	5.42E-01	3.79E-01
398.29169	146.95	15.13	14.32	14.45	14.26	2.08E-07	5.52E-06	1.78E-04	2.01E-06	8.48E-01	9.87E-01	6.72E-01
398.2918	257.82	16.43	15.49	14.81	14.89	9.51E-05	7.41E-02	1.78E-04	7.19E-04	3.00E-01	4.43E-01	9.97E-01
398.32802	192.74	14.19	17.84	17.79	16.52	2.84E-49	5.11E-15	5.11E-15	2.98E-14	9.94E-01	3.90E-08	1.15E-07

398.76926	78.57	14.78	13.69	14.81	14.74	1.54E-11	1.76E-09	9.97E-01	9.95E-01	1.21E-09	4.25E-08	9.73E-01
398.79241	79.13	17.57	17.84	18.18	17.70	4.74E-08	3.80E-02	1.95E-08	6.03E-01	5.22E-03	5.33E-01	3.72E-05
398.83711	58.49	15.43	14.45	15.96	15.94	5.84E-16	4.98E-07	1.27E-02	2.55E-02	7.35E-14	4.28E-13	9.99E-01
398.84534	33.71	13.85	14.14	14.69	13.02	4.16E-05	8.19E-01	4.85E-02	6.46E-02	3.43E-01	7.30E-03	1.09E-05
398.84709	146.75	15.68	12.11	10.47	13.31	1.52E-19	1.19E-10	4.02E-14	4.73E-05	8.77E-03	1.11E-01	1.09E-06
398.85363	68.61	14.67	11.58	14.04	14.11	1.53E-10	1.84E-10	4.69E-01	5.98E-01	8.00E-07	9.19E-07	9.99E-01
398.88721	33.98	14.42	15.67	15.83	15.27	4.32E-07	1.74E-05	8.24E-07	9.44E-03	9.37E-01	4.59E-01	1.73E-01
398.92994	44.22	17.18	18.52	18.50	18.35	3.85E-20	4.34E-14	4.44E-14	1.22E-12	9.98E-01	6.89E-01	7.83E-01
398.95163	42.67	18.19	19.81	19.75	19.86	1.86E-19	5.17E-14	7.42E-14	4.69E-14	9.91E-01	9.92E-01	9.39E-01
398.98577	37.45	14.62	14.68	15.00	14.40	5.04E-01	9.99E-01	7.37E-01	9.44E-01	8.37E-01	8.99E-01	4.29E-01
399.04748	20.51	14.87	14.76	15.06	14.36	1.28E-01	9.79E-01	9.04E-01	3.02E-01	7.20E-01	5.48E-01	8.79E-02
399.05616	61.76	14.67	21.68	13.47	13.54	4.10E-127	5.11E-15	6.88E-11	2.66E-09	5.11E-15	5.11E-15	9.81E-01
399.12013	20.79	15.06	16.84	17.06	17.40	6.78E-16	2.30E-09	1.17E-11	7.53E-14	8.46E-01	2.05E-01	6.39E-01
399.15533	27.5	16.93	17.75	17.69	17.13	9.22E-05	5.63E-04	1.54E-03	7.89E-01	9.91E-01	2.40E-02	4.96E-02
399.2211	238.56	18.65	18.26	18.58	18.84	3.22E-05	3.12E-03	9.21E-01	3.62E-01	2.71E-02	1.06E-05	1.26E-01
399.25226	259.15	14.39	14.68	15.76	15.93	3.42E-03	9.30E-01	2.45E-02	1.18E-02	1.34E-01	7.32E-02	9.87E-01
399.27589	244.86	23.29	23.41	23.15	23.01	4.24E-01	9.58E-01	9.36E-01	6.63E-01	7.12E-01	3.87E-01	9.42E-01
399.90298	36.33	13.74	14.07	14.58	13.81	1.04E-02	6.14E-01	9.82E-03	9.96E-01	2.46E-01	7.87E-01	3.15E-02
399.91077	37.09	17.23	17.53	17.75	16.85	3.88E-03	6.07E-01	1.30E-01	4.32E-01	7.96E-01	4.39E-02	2.59E-03
399.95503	36.15	14.23	14.94	14.92	15.23	1.00E-03	2.35E-02	2.97E-02	6.69E-04	1.00E+00	6.89E-01	6.19E-01
399.97814	61.22	13.63	12.39	14.23	14.42	7.70E-18	1.18E-07	2.42E-02	1.93E-03	6.53E-14	4.29E-14	8.23E-01
400.00594	81.54	12.28	12.35	13.29	12.80	2.59E-01	9.99E-01	2.64E-01	7.97E-01	3.59E-01	8.72E-01	8.40E-01
400.01411	17.35	14.02	13.37	14.94	14.86	2.04E-04	3.40E-01	7.54E-02	1.47E-01	5.11E-04	1.79E-03	9.97E-01
400.05953	54.67	15.91	18.54	15.10	15.33	1.10E-127	5.11E-15	6.66E-15	6.78E-14	5.11E-15	5.11E-15	7.88E-03
400.27939	238.84	21.22	21.17	20.90	20.85	2.18E-01	9.96E-01	4.14E-01	3.18E-01	5.83E-01	4.71E-01	9.96E-01
400.2976	268.16	19.72	18.04	18.19	18.20	1.54E-33	5.11E-15	7.33E-15	1.42E-14	6.81E-01	6.51E-01	1.00E+00
400.3434	190.24	14.57	18.25	18.16	17.06	3.95E-74	5.11E-15	5.11E-15	5.11E-15	9.24E-01	2.27E-12	6.03E-11
400.78406	102.39	14.65	10.48	11.99	12.76	2.18E-12	3.79E-13	2.96E-06	2.70E-03	2.48E-02	2.53E-04	4.82E-01
400.78857	83.82	14.16	14.39	14.71	13.74	1.38E-03	7.54E-01	8.41E-02	3.08E-01	5.40E-01	4.51E-02	5.94E-04
400.82605	73.48	15.36	12.13	13.92	14.68	4.23E-31	5.11E-15	9.06E-09	2.16E-02	7.49E-12	4.06E-14	1.04E-02
400.86975	24.47	14.59	16.09	15.48	15.24	4.00E-09	5.50E-10	3.65E-04	2.34E-02	3.60E-02	1.74E-03	7.19E-01
400.88917	45.45	19.64	19.21	19.45	19.50	1.45E-03	4.92E-04	3.10E-01	6.14E-01	1.15E-01	4.76E-02	9.71E-01
400.91002	39.64	20.88	22.97	22.95	22.83	1.67E-38	5.11E-15	5.11E-15	5.33E-15	9.99E-01	8.16E-01	8.81E-01
400.94636	43.16	16.18	14.25	14.66	14.58	8.25E-07	1.61E-06	2.10E-04	1.49E-04	6.85E-01	8.32E-01	9.96E-01
400.99333	69.36	12.63	18.32	11.48	11.21	9.86E-81	5.11E-15	2.93E-05	3.70E-07	5.11E-15	5.11E-15	7.12E-01
401.02674	18.64	12.77	14.19	13.45	14.36	1.39E-03	6.74E-03	3.90E-01	2.56E-03	3.42E-01	9.84E-01	1.94E-01
401.05354	55.41	13.95	16.99	12.20	12.94	1.75E-73	5.11E-15	4.14E-14	2.76E-07	5.11E-15	5.11E-15	3.48E-04
401.16572	226.84	14.60	13.34	15.58	16.10	1.15E-15	2.88E-04	6.80E-03	1.47E-05	4.69E-11	4.95E-14	3.54E-01
401.17318	54.82	16.88	13.61	15.38	16.15	1.40E-09	4.77E-10	9.71E-03	4.44E-01	1.98E-03	6.10E-06	4.23E-01
401.21049	232.91	19.21	18.95	19.38	19.03	3.50E-03	1.39E-01	5.00E-01	4.56E-01	3.43E-03	9.28E-01	3.06E-02
401.23645	248.34	18.14	16.70	17.18	17.72	1.41E-11	1.39E-11	6.90E-06	1.54E-01	7.44E-02	7.01E-06	4.04E-02
401.28253	234.57	17.15	16.41	15.35	15.58	1.81E-03	4.60E-01	2.24E-03	1.37E-02	1.72E-01	3.96E-01	9.75E-01
401.29143	259.43	24.03	24.02	23.75	23.74	5.31E-01	1.00E+00	6.91E-01	7.00E-01	7.29E-01	7.35E-01	1.00E+00
401.90304	31.84	15.83	15.95	16.34	15.51	9.78E-02	9.82E-01	3.63E-01	7.57E-01	6.18E-01	5.53E-01	6.06E-02
401.91334	40.52	16.20	18.80	18.85	18.58	8.38E-33	5.77E-15	5.33E-15	2.69E-14	9.96E-01	7.52E-01	6.18E-01

401.9228	27.99	16.01	17.71	17.78	17.75	5.71E-33	7.77E-15	5.33E-15	9.33E-15	9.65E-01	9.97E-01	9.94E-01
401.94157	35.68	13.36	14.03	14.21	14.12	1.41E-03	2.57E-02	1.92E-03	1.02E-02	8.73E-01	9.82E-01	9.83E-01
401.99556	34.7	16.79	19.61	19.83	18.64	1.58E-67	5.11E-15	5.11E-15	5.11E-15	3.36E-01	7.72E-11	4.41E-14
402.11771	174.59	14.78	12.09	13.00	13.92	2.42E-17	4.10E-14	7.41E-09	1.75E-02	9.92E-03	2.50E-08	1.17E-02
402.16575	25.08	16.07	16.71	16.46	16.35	7.79E-03	3.20E-03	1.53E-01	4.38E-01	5.16E-01	2.52E-01	9.53E-01
402.21386	233.6	15.43	15.62	16.33	15.58	7.07E-02	9.58E-01	6.20E-02	9.81E-01	2.15E-01	1.00E+00	1.92E-01
402.2949	257.63	22.01	21.85	21.58	21.69	2.31E-01	8.74E-01	1.98E-01	4.80E-01	6.38E-01	9.05E-01	9.65E-01
402.31315	294.28	14.53	14.66	15.81	14.87	1.20E-02	9.89E-01	1.12E-02	8.55E-01	3.62E-02	9.65E-01	1.36E-01
402.80011	100.51	16.49	14.98	14.88	15.31	1.97E-22	4.40E-14	3.95E-14	2.65E-11	9.35E-01	1.90E-01	4.92E-02
402.8266	77.4	18.46	18.47	18.81	18.56	3.53E-05	9.99E-01	7.28E-05	6.34E-01	2.00E-04	7.21E-01	1.28E-02
402.84739	50.44	22.42	22.42	22.97	22.84	1.93E-16	1.00E+00	9.71E-13	1.87E-07	6.09E-12	5.93E-07	2.63E-01
402.86681	77.46	13.81	13.14	13.52	13.42	1.55E-01	1.01E-01	7.49E-01	5.49E-01	5.76E-01	8.08E-01	9.85E-01
402.88451	158.25	15.17	9.42	8.95	12.02	2.16E-30	1.20E-14	5.33E-15	1.66E-08	7.92E-01	7.34E-06	6.89E-08
402.89659	26.93	17.06	13.94	13.70	14.90	4.89E-16	1.26E-12	6.02E-14	1.83E-06	9.32E-01	1.04E-01	2.19E-02
402.90525	46.04	19.62	20.10	20.20	20.27	1.55E-11	1.90E-06	6.76E-09	2.90E-10	7.44E-01	3.09E-01	8.71E-01
402.91471	44.38	14.47	15.72	15.67	15.60	2.77E-16	2.36E-13	1.29E-12	8.92E-11	9.83E-01	8.65E-01	9.74E-01
402.9269	27.83	13.60	14.58	14.69	14.36	2.98E-05	4.00E-04	4.68E-05	1.32E-02	9.66E-01	8.21E-01	5.44E-01
402.99599	18.95	19.34	20.65	20.68	20.89	3.39E-17	1.29E-11	2.41E-12	5.15E-14	9.97E-01	5.57E-01	6.74E-01
403.01111	47.46	12.39	21.45	14.59	14.86	7.09E-44	5.11E-15	1.07E-04	2.34E-05	5.11E-15	6.00E-15	9.60E-01
403.0492	31.87	16.52	15.86	16.31	16.40	1.25E-03	7.07E-04	5.73E-01	8.96E-01	5.07E-02	1.48E-02	9.52E-01
403.14935	19.67	16.58	18.13	18.09	18.08	1.09E-22	4.21E-14	4.51E-14	4.26E-14	9.94E-01	9.92E-01	1.00E+00
403.18995	89.7	19.72	19.40	20.64	20.83	4.72E-09	5.31E-01	8.65E-04	6.06E-05	5.06E-06	2.62E-07	8.65E-01
403.22609	250.9	17.31	16.26	16.69	16.66	2.84E-11	3.86E-12	4.91E-05	3.67E-05	1.31E-02	3.31E-02	9.96E-01
403.25237	274.63	17.26	16.61	17.31	18.11	2.71E-04	1.68E-01	9.99E-01	4.47E-02	1.32E-01	6.01E-05	7.45E-02
403.27053	200.87	17.01	15.96	15.78	15.65	4.22E-16	2.16E-09	1.83E-12	1.07E-13	6.87E-01	2.53E-01	8.60E-01
403.28917	221.28	17.64	17.00	16.76	17.31	5.06E-06	1.54E-03	2.92E-06	2.35E-01	4.97E-01	3.43E-01	1.34E-02
403.29773	252.9	18.80	18.44	18.29	18.45	1.83E-01	4.44E-01	1.42E-01	4.77E-01	9.26E-01	1.00E+00	9.26E-01
403.30686	280.42	22.05	22.37	22.49	22.26	5.37E-03	5.56E-02	3.05E-03	3.79E-01	8.00E-01	8.28E-01	3.01E-01
403.30717	56.51	20.68	18.96	19.71	19.70	3.95E-20	3.24E-14	2.12E-08	4.07E-08	3.13E-05	8.87E-05	1.00E+00
403.85075	55.83	17.95	17.47	18.22	18.28	2.23E-14	9.06E-06	2.99E-02	6.13E-03	7.20E-12	8.50E-13	9.30E-01
403.9001	32.74	14.01	12.24	13.61	13.10	5.59E-03	3.33E-03	8.57E-01	2.98E-01	4.34E-02	3.84E-01	7.67E-01
403.90867	48.05	14.88	13.16	14.24	15.03	8.29E-12	5.52E-10	5.75E-02	9.41E-01	2.14E-04	1.75E-10	1.79E-02
404.01325	41.54	15.57	18.34	14.36	15.71	3.49E-19	2.66E-11	7.34E-03	9.85E-01	3.93E-14	1.80E-09	4.12E-03
404.04518	18.86	19.52	20.86	20.33	19.69	6.18E-06	1.05E-05	1.60E-02	9.28E-01	2.30E-01	3.94E-04	1.16E-01
404.05478	18.54	17.07	20.24	19.74	19.24	1.54E-19	4.37E-14	8.50E-14	2.24E-09	4.27E-01	1.85E-02	4.46E-01
404.12044	26.38	12.53	13.79	11.82	11.64	1.23E-14	7.79E-06	2.84E-02	4.73E-03	5.35E-12	4.58E-13	9.10E-01
404.13226	17.06	14.31	16.95	17.41	17.39	2.76E-21	2.31E-13	4.40E-14	4.35E-14	5.10E-01	5.60E-01	1.00E+00
404.19326	84.74	17.36	16.89	18.38	18.61	5.25E-10	2.88E-01	8.46E-04	4.97E-05	6.61E-07	2.54E-08	8.46E-01
404.26565	95.53	14.45	16.06	14.97	14.88	1.88E-06	5.39E-07	2.74E-01	4.64E-01	1.74E-03	9.83E-04	9.93E-01
404.2844	182.76	15.04	13.47	13.51	13.26	3.99E-12	9.68E-09	1.92E-08	2.51E-10	9.98E-01	8.61E-01	7.68E-01
404.30153	259.21	19.26	18.09	17.28	18.19	6.24E-31	8.19E-14	5.11E-15	1.08E-11	2.16E-07	9.07E-01	1.26E-08
404.31016	283.19	19.89	20.32	20.47	20.20	1.09E-04	5.92E-03	4.71E-05	9.18E-02	6.31E-01	8.25E-01	1.79E-01
404.7848	70.08	19.72	20.45	20.89	20.45	2.58E-18	1.05E-08	4.21E-14	2.20E-08	1.67E-03	1.00E+00	2.49E-03
404.79771	93.22	14.82	13.59	13.51	14.01	3.60E-08	1.19E-06	1.68E-07	3.88E-03	9.88E-01	3.03E-01	1.62E-01
404.80565	76.16	17.23	17.83	18.28	17.84	3.15E-19	5.52E-08	3.75E-14	1.02E-07	9.86E-05	1.00E+00	1.78E-04

404.82478	83.64	16.19	15.90	16.39	16.08	3.24E-06	5.87E-03	1.12E-01	6.19E-01	8.53E-07	2.06E-01	5.65E-03
404.8477	41.07	20.15	19.82	20.24	20.53	1.06E-02	3.40E-01	9.73E-01	2.45E-01	1.70E-01	4.35E-03	4.85E-01
404.86289	45.27	22.00	22.77	23.12	22.98	5.08E-53	5.11E-15	5.11E-15	5.11E-15	2.88E-08	3.16E-03	7.63E-02
404.87219	31.23	13.26	12.94	14.14	12.19	9.00E-06	8.08E-01	6.10E-02	1.96E-02	5.88E-03	1.91E-01	2.14E-06
404.89981	41.13	17.59	16.65	16.92	16.85	6.88E-08	6.90E-08	1.69E-04	5.41E-05	3.44E-01	6.24E-01	9.77E-01
404.99994	23.21	15.27	16.77	16.82	17.06	4.12E-17	1.87E-11	2.97E-12	5.11E-14	9.96E-01	5.17E-01	6.50E-01
405.00734	67.69	16.40	18.74	15.72	15.89	4.59E-121	5.11E-15	3.53E-14	2.87E-12	5.11E-15	5.11E-15	5.47E-02
405.02724	48.68	14.27	14.24	13.88	13.01	2.49E-03	1.00E+00	6.76E-01	3.01E-03	7.50E-01	5.61E-03	8.36E-02
405.04865	21.46	17.06	19.03	18.77	18.53	2.81E-27	7.55E-15	4.06E-14	4.77E-14	3.89E-01	2.32E-02	5.34E-01
405.12655	61.76	13.17	15.97	11.00	11.80	1.17E-82	5.11E-15	5.11E-15	7.80E-14	5.11E-15	5.11E-15	1.62E-05
405.18755	80.09	15.38	14.29	16.11	16.47	3.28E-11	1.45E-03	5.68E-02	1.78E-03	2.71E-08	1.12E-10	6.36E-01
405.20507	110.41	11.79	13.36	15.27	15.56	1.01E-11	1.97E-02	2.93E-09	5.26E-10	3.63E-03	8.57E-04	9.55E-01
405.20609	19.72	16.63	15.14	15.90	17.63	4.91E-08	8.31E-04	2.23E-01	5.67E-02	2.20E-01	2.33E-08	1.44E-04
405.28664	233.48	19.99	19.25	19.47	19.20	9.68E-06	7.45E-05	1.02E-02	3.86E-05	5.46E-01	9.94E-01	4.06E-01
405.30499	237.87	17.37	17.14	15.81	16.34	2.56E-02	9.77E-01	2.86E-02	2.80E-01	9.83E-02	5.30E-01	8.10E-01
405.31309	287.02	17.36	17.03	16.87	16.58	2.12E-04	2.13E-01	2.33E-02	7.21E-05	8.15E-01	6.11E-02	3.41E-01
405.78798	78.72	13.51	14.26	15.30	14.79	5.22E-12	8.94E-03	2.39E-12	1.40E-06	1.08E-04	1.34E-01	1.63E-01
405.84859	63.66	14.89	14.65	14.60	14.52	3.89E-01	6.90E-01	5.56E-01	3.64E-01	9.97E-01	9.48E-01	9.84E-01
405.86633	52.77	17.47	18.17	18.69	18.47	2.04E-50	2.62E-14	5.11E-15	5.11E-15	2.68E-13	5.66E-05	5.49E-03
406.01929	33.03	17.72	17.10	16.93	17.72	8.38E-03	1.27E-01	2.71E-02	1.00E+00	9.38E-01	1.58E-01	3.94E-02
406.04096	18.62	15.82	16.67	16.11	15.88	4.86E-03	4.65E-03	6.45E-01	9.96E-01	1.32E-01	1.64E-02	8.12E-01
406.05023	18.84	13.96	15.91	15.34	14.67	4.92E-07	3.00E-07	4.43E-04	1.88E-01	3.69E-01	4.43E-03	2.54E-01
406.06736	18.36	14.40	16.34	16.14	15.87	8.27E-13	1.46E-11	8.28E-10	6.32E-07	8.83E-01	3.31E-01	7.56E-01
406.07673	18.34	13.43	15.80	15.44	16.09	7.34E-16	5.08E-12	3.19E-09	1.08E-13	6.66E-01	8.20E-01	1.95E-01
406.2424	171.3	16.20	14.56	14.86	15.32	1.18E-10	1.92E-10	1.60E-07	1.93E-03	5.95E-01	1.21E-02	2.33E-01
406.27311	197.42	14.69	13.65	13.52	13.88	2.12E-05	3.30E-04	3.22E-05	1.19E-02	9.59E-01	8.15E-01	5.14E-01
406.28991	286.68	17.89	18.24	18.33	18.28	3.15E-04	9.77E-03	4.49E-04	4.36E-03	8.47E-01	9.89E-01	9.65E-01
406.78292	70.09	18.00	18.75	19.30	18.78	4.09E-23	6.39E-10	9.77E-15	5.03E-10	1.64E-05	9.97E-01	6.93E-05
406.80035	66.79	19.99	20.45	21.13	20.71	2.57E-20	1.49E-04	3.33E-14	2.51E-09	1.37E-08	1.04E-01	1.16E-03
406.8241	88.33	14.19	13.49	13.35	14.07	2.18E-05	2.31E-03	1.43E-04	9.26E-01	9.08E-01	2.84E-02	3.41E-03
406.83982	64.78	15.88	14.23	15.49	15.26	2.27E-28	5.11E-15	9.57E-03	1.60E-05	4.40E-14	1.45E-12	3.10E-01
406.8623	48.48	19.59	20.30	20.75	20.58	2.35E-52	7.11E-15	5.11E-15	5.11E-15	1.25E-11	1.17E-04	2.29E-02
406.87592	36.2	18.77	19.92	20.02	19.90	7.19E-30	2.53E-14	6.88E-15	3.74E-14	8.16E-01	9.96E-01	6.98E-01
406.89369	28.13	15.26	17.18	16.73	16.89	1.21E-15	6.07E-14	2.00E-09	1.41E-10	2.09E-01	6.16E-01	9.06E-01
406.91759	49.27	16.66	14.12	14.78	15.16	2.60E-09	1.23E-09	7.72E-06	9.06E-04	3.24E-01	5.08E-02	7.82E-01
406.93808	28.66	18.13	16.56	16.66	17.07	1.10E-05	3.11E-05	9.49E-05	1.26E-02	9.91E-01	4.79E-01	6.53E-01
406.96778	21.9	15.31	18.34	18.63	17.78	6.35E-44	5.11E-15	5.11E-15	7.99E-15	4.94E-01	4.43E-02	4.37E-04
406.98001	30.97	16.34	16.30	16.17	16.16	1.96E-01	9.88E-01	3.43E-01	2.96E-01	5.66E-01	5.01E-01	9.99E-01
407.0638	54.56	15.97	18.71	15.22	15.44	4.63E-151	5.11E-15	5.11E-15	4.31E-14	5.11E-15	5.11E-15	6.29E-04
407.10031	23.65	17.12	17.62	18.06	17.51	5.56E-05	5.15E-02	1.14E-05	2.06E-01	1.20E-01	9.50E-01	3.63E-02
407.10856	47.83	10.96	15.25	14.64	14.56	1.61E-31	5.11E-15	2.18E-14	3.84E-14	2.67E-01	1.99E-01	9.96E-01
407.18752	168.56	13.38	12.97	11.98	13.64	5.18E-05	6.44E-01	5.05E-04	8.88E-01	3.43E-02	2.69E-01	6.66E-05
407.2062	30.73	14.97	14.24	13.96	15.53	2.81E-03	3.30E-01	8.58E-02	5.96E-01	9.18E-01	2.66E-02	3.46E-03
407.22086	178.15	16.13	14.08	13.65	13.96	3.32E-31	3.69E-14	5.11E-15	2.86E-14	1.37E-01	9.41E-01	4.18E-01
407.24584	171.3	14.01	11.42	12.09	12.06	1.55E-08	1.54E-08	3.45E-05	5.01E-05	3.93E-01	4.67E-01	1.00E+00

407.29583	272.15	17.57	16.76	17.29	17.40	2.50E-02	1.57E-02	7.21E-01	9.31E-01	2.20E-01	1.10E-01	9.78E-01
407.31693	191.41	13.71	15.32	15.68	14.84	1.38E-12	1.16E-08	2.06E-12	1.60E-04	5.11E-01	2.90E-01	1.04E-02
407.80381	70.87	14.79	14.12	15.68	15.29	5.12E-13	2.86E-03	2.61E-05	5.60E-02	4.02E-13	1.24E-07	2.05E-01
407.8674	38.52	14.48	14.99	15.20	15.13	6.82E-02	3.13E-01	6.95E-02	1.44E-01	8.99E-01	9.70E-01	9.96E-01
407.96203	81.93	13.34	15.44	15.36	15.90	4.54E-16	6.96E-11	2.57E-10	5.95E-14	9.92E-01	4.38E-01	2.81E-01
408.09347	24.14	14.33	15.81	16.78	16.03	6.43E-24	1.00E-10	9.33E-15	6.20E-13	5.40E-05	7.49E-01	4.11E-03
408.1493	23.99	16.38	16.64	16.63	16.24	5.56E-01	8.39E-01	8.54E-01	9.74E-01	1.00E+00	6.26E-01	6.43E-01
408.22206	138.66	14.90	13.98	14.08	13.91	1.51E-03	6.50E-03	1.85E-02	3.85E-03	9.84E-01	9.95E-01	9.37E-01
408.25216	191.79	17.39	16.77	16.73	16.13	8.37E-11	9.21E-04	2.97E-04	6.48E-12	9.95E-01	1.46E-03	3.10E-03
408.78104	78.11	14.73	14.50	15.36	14.70	7.47E-07	4.35E-01	2.61E-04	9.96E-01	5.69E-07	6.23E-01	2.58E-04
408.79226	64.32	17.42	15.62	17.60	17.70	2.58E-34	7.55E-15	6.32E-01	2.92E-01	5.11E-15	5.11E-15	9.31E-01
408.79931	64.45	17.64	18.17	19.10	18.58	1.96E-21	6.00E-04	2.66E-14	4.65E-10	5.45E-10	2.09E-02	1.47E-03
408.85282	52.37	16.80	18.04	18.73	18.34	2.83E-16	1.49E-07	4.39E-14	2.08E-10	1.02E-02	5.60E-01	3.01E-01
408.87598	148.44	17.13	15.08	14.60	15.63	6.87E-42	5.11E-15	5.11E-15	4.37E-14	1.16E-02	3.85E-03	3.25E-09
408.89671	53.13	17.30	17.48	18.52	18.24	7.85E-19	5.22E-01	4.33E-14	7.51E-10	1.04E-11	1.87E-06	2.00E-01
408.93395	35.25	15.98	16.17	15.33	15.58	5.44E-02	9.42E-01	1.78E-01	6.17E-01	5.81E-02	3.16E-01	8.83E-01
409.01527	49.51	15.37	15.24	17.28	17.08	4.27E-18	9.59E-01	5.41E-12	2.39E-09	1.05E-12	4.42E-10	8.71E-01
409.0429	64.18	14.50	20.99	12.88	13.34	3.13E-158	5.11E-15	5.11E-15	4.07E-14	5.11E-15	5.11E-15	8.84E-04
409.1087	171.43	16.62	15.95	15.95	16.18	8.18E-16	3.01E-13	1.81E-13	2.96E-06	1.00E+00	4.64E-02	4.10E-02
409.14625	144.45	13.19	16.16	15.11	15.21	9.74E-10	2.89E-10	5.98E-05	4.74E-05	8.07E-02	1.52E-01	9.97E-01
409.18691	65.26	14.43	16.18	13.08	13.46	8.83E-80	5.11E-15	5.11E-15	4.31E-14	5.11E-15	5.11E-15	3.54E-03
409.19784	99.91	15.10	10.73	13.39	14.37	1.21E-24	9.77E-15	3.39E-05	2.24E-01	1.34E-10	4.15E-14	5.93E-02
409.23679	227.44	19.90	18.14	18.89	19.33	1.31E-41	5.11E-15	4.20E-14	6.90E-07	3.91E-11	2.31E-14	2.62E-04
409.25867	191.63	15.80	14.66	14.56	14.90	1.26E-10	3.14E-08	9.43E-10	2.43E-05	9.43E-01	6.48E-01	3.13E-01
409.30787	165.43	12.87	11.74	11.58	11.77	6.23E-04	6.30E-03	1.05E-03	1.07E-02	9.66E-01	1.00E+00	9.50E-01
409.95275	32.7	12.66	14.16	15.06	14.22	4.51E-09	2.57E-04	8.95E-10	2.07E-04	7.19E-02	9.99E-01	1.19E-01
409.97406	31.48	15.37	15.53	15.59	15.41	5.67E-01	8.01E-01	5.77E-01	9.97E-01	9.85E-01	9.12E-01	7.45E-01
410.04657	65.78	15.35	17.64	14.31	14.64	5.01E-130	5.11E-15	5.11E-15	2.46E-14	5.11E-15	5.11E-15	4.37E-06
410.112	171.79	14.49	12.91	12.86	12.93	4.20E-26	4.00E-14	3.44E-14	4.20E-14	9.87E-01	1.00E+00	9.76E-01
410.12845	23.02	19.63	19.60	19.96	19.96	4.87E-02	9.99E-01	1.83E-01	2.12E-01	1.55E-01	1.80E-01	1.00E+00
410.18385	64.16	13.02	17.88	11.06	11.86	1.72E-143	5.11E-15	5.11E-15	4.01E-14	5.11E-15	5.11E-15	1.04E-10
410.22224	174.32	17.75	18.03	18.12	17.56	1.08E-02	3.87E-01	1.45E-01	7.28E-01	9.55E-01	6.05E-02	1.41E-02
410.23834	165.47	19.00	18.67	19.30	19.02	4.41E-04	9.23E-02	1.38E-01	9.99E-01	1.03E-04	9.08E-02	2.24E-01
410.23944	227.03	17.44	15.48	16.23	16.48	7.58E-29	5.11E-15	6.24E-14	3.42E-09	5.23E-06	2.13E-09	3.31E-01
410.79	71.1	16.61	15.08	16.16	16.78	1.89E-38	5.11E-15	2.35E-04	4.02E-01	4.35E-14	5.11E-15	6.21E-07
410.79712	63.59	15.00	14.49	15.01	14.53	1.34E-03	1.45E-02	1.00E+00	3.37E-02	1.49E-02	9.97E-01	3.37E-02
410.85453	66.67	15.05	12.11	14.29	14.47	2.74E-24	1.15E-14	1.40E-02	1.17E-01	6.46E-14	4.24E-14	9.03E-01
410.87113	144.46	15.15	14.76	14.72	14.67	3.14E-01	5.08E-01	4.21E-01	3.56E-01	9.99E-01	9.92E-01	9.98E-01
410.89208	43.04	18.41	19.57	19.05	19.09	1.16E-07	1.61E-08	3.82E-03	2.80E-03	3.36E-02	7.18E-02	9.97E-01
411.04113	65.77	8.45	17.59	7.75	8.37	3.83E-116	5.11E-15	1.21E-02	9.85E-01	5.11E-15	5.11E-15	5.10E-02
411.1317	23.4	16.12	16.27	16.46	16.21	4.07E-01	8.66E-01	3.34E-01	9.68E-01	8.17E-01	9.91E-01	6.60E-01
411.19507	231.56	19.60	19.79	20.63	20.41	1.91E-33	7.59E-02	5.11E-15	4.13E-14	3.73E-14	8.76E-12	3.80E-02
411.20893	34.08	13.96	14.98	12.46	12.85	2.70E-47	1.32E-11	2.69E-14	1.18E-12	5.11E-15	5.11E-15	3.54E-02
411.216	95.92	16.35	13.79	16.21	16.68	4.23E-19	4.95E-14	9.63E-01	7.06E-01	4.99E-13	4.29E-14	4.34E-01
411.22569	180.46	15.38	15.51	15.59	14.94	2.78E-02	9.40E-01	7.74E-01	1.91E-01	9.83E-01	6.45E-02	2.33E-02

411.24164	162.28	17.55	16.93	17.45	17.52	3.70E-06	9.65E-06	8.51E-01	9.96E-01	4.16E-04	7.59E-05	9.46E-01
411.25252	244.09	18.41	17.32	17.70	17.58	2.40E-17	4.19E-14	1.59E-08	1.57E-10	6.84E-03	1.39E-01	7.41E-01
411.27582	227.33	19.42	18.50	18.49	18.39	5.42E-06	2.18E-04	1.43E-04	4.55E-05	1.00E+00	9.66E-01	9.76E-01
411.75093	290.57	14.30	17.07	16.71	15.84	2.43E-29	5.33E-15	2.40E-14	3.62E-10	3.81E-01	1.60E-06	1.09E-03
411.93187	36.07	18.47	18.92	19.35	18.45	5.89E-05	1.54E-01	2.09E-04	9.99E-01	1.80E-01	1.49E-01	3.09E-04
411.95058	22.17	14.12	18.27	18.17	17.99	4.28E-54	5.11E-15	5.11E-15	5.11E-15	9.74E-01	6.49E-01	8.72E-01
411.98361	26.18	13.59	14.46	15.04	13.74	4.74E-04	9.19E-02	6.73E-04	9.79E-01	4.31E-01	2.58E-01	5.58E-03
412.01979	30.32	15.87	15.65	15.97	15.55	2.39E-01	7.39E-01	9.73E-01	4.76E-01	4.90E-01	9.72E-01	2.66E-01
412.03246	23.62	15.01	15.42	15.60	15.89	6.51E-03	3.51E-01	7.70E-02	3.40E-03	8.86E-01	2.69E-01	6.76E-01
412.12421	23.61	15.53	15.00	15.58	15.28	1.77E-01	2.52E-01	9.97E-01	8.29E-01	1.88E-01	7.91E-01	7.35E-01
412.19853	226.82	17.19	17.47	18.48	18.17	2.74E-33	2.21E-02	5.11E-15	4.09E-14	4.00E-14	2.50E-10	1.35E-02
412.21942	178.64	16.05	16.21	16.23	15.87	1.66E-01	7.78E-01	7.20E-01	7.26E-01	1.00E+00	2.26E-01	1.86E-01
412.23361	158.27	13.80	12.15	13.40	13.53	7.37E-10	7.83E-10	3.65E-01	7.14E-01	5.97E-06	1.22E-06	9.59E-01
412.25343	171.7	16.40	15.50	16.10	15.77	2.81E-08	1.88E-08	1.72E-01	2.63E-04	3.97E-04	2.73E-01	1.44E-01
412.2793	222.75	17.14	16.11	15.95	16.07	1.24E-06	1.19E-04	5.58E-06	1.03E-04	9.22E-01	9.99E-01	9.65E-01
412.30753	182.28	10.60	13.77	12.56	11.98	2.95E-09	4.90E-10	1.66E-04	2.11E-02	5.63E-02	1.84E-03	6.26E-01
412.80993	66.12	16.23	14.20	14.81	14.74	6.92E-20	4.15E-14	3.93E-11	2.37E-11	1.41E-02	4.71E-02	9.88E-01
412.82283	42.47	15.97	15.76	16.57	15.48	3.63E-04	8.43E-01	6.59E-02	2.21E-01	8.12E-03	6.95E-01	1.94E-04
412.84184	31.64	13.18	13.48	14.88	14.65	1.67E-03	9.36E-01	4.72E-03	2.74E-02	3.65E-02	1.32E-01	9.71E-01
412.88472	27.05	16.10	17.22	17.22	17.06	2.45E-07	3.98E-06	3.40E-06	1.65E-04	1.00E+00	9.00E-01	9.03E-01
412.94578	36.16	14.67	15.38	14.80	15.29	1.21E-02	2.62E-02	9.59E-01	8.10E-02	1.05E-01	9.85E-01	2.42E-01
412.9674	38.53	16.81	17.36	17.44	17.37	2.51E-03	1.79E-02	4.28E-03	1.86E-02	9.77E-01	1.00E+00	9.87E-01
413.00198	27.66	13.21	15.25	14.11	14.93	1.25E-06	1.88E-06	9.16E-02	1.24E-04	2.15E-02	8.66E-01	1.75E-01
413.07239	37.05	14.59	17.28	15.10	14.62	2.22E-15	1.49E-13	3.96E-01	1.00E+00	2.69E-09	2.58E-12	4.96E-01
413.1933	210.36	14.09	13.52	15.80	15.86	1.68E-17	1.81E-01	2.57E-08	2.57E-08	7.19E-13	9.87E-13	9.97E-01
413.21026	239.38	17.20	18.13	18.88	17.98	6.45E-10	6.08E-04	5.49E-11	7.93E-03	1.08E-02	9.29E-01	1.77E-03
413.22931	185.19	15.91	13.91	14.83	15.34	1.48E-07	4.20E-08	6.97E-03	3.47E-01	3.36E-02	3.42E-04	4.63E-01
413.24744	236.82	19.98	20.46	20.52	20.42	1.75E-01	2.92E-01	1.86E-01	3.91E-01	9.96E-01	9.99E-01	9.85E-01
413.2916	234.85	23.47	23.07	22.83	22.70	8.59E-03	3.18E-01	3.18E-02	8.71E-03	7.52E-01	4.52E-01	9.54E-01
413.87846	31.44	16.62	16.22	16.78	16.49	5.30E-02	2.02E-01	8.39E-01	9.30E-01	3.34E-02	5.76E-01	5.12E-01
413.92847	36.15	14.56	14.41	13.74	13.87	2.77E-02	9.63E-01	4.50E-02	1.43E-01	1.62E-01	3.65E-01	9.80E-01
413.94181	34.94	13.68	12.87	13.76	13.18	7.87E-03	2.71E-02	9.92E-01	3.19E-01	1.43E-02	7.48E-01	2.11E-01
413.96274	34.22	13.08	14.72	14.55	14.42	9.40E-06	2.83E-05	1.89E-04	1.43E-03	9.64E-01	8.42E-01	9.83E-01
414.04415	22.18	17.57	19.21	19.15	18.82	2.70E-25	3.02E-14	3.71E-14	2.63E-13	9.85E-01	7.15E-02	1.49E-01
414.07122	26.46	18.06	16.73	17.46	17.33	3.32E-10	2.79E-11	5.52E-03	6.88E-04	6.39E-04	1.07E-02	9.03E-01
414.14869	26.63	13.79	15.97	16.02	14.45	2.40E-36	5.11E-15	5.11E-15	9.86E-04	9.89E-01	5.77E-14	4.42E-14
414.21406	244.32	14.12	15.00	15.91	14.17	9.52E-08	3.33E-02	4.03E-07	9.99E-01	3.35E-02	7.10E-02	3.57E-06
414.25096	237.21	17.34	17.93	17.95	17.97	1.58E-01	2.80E-01	2.33E-01	2.35E-01	1.00E+00	9.99E-01	1.00E+00
414.26889	172.64	16.11	15.59	15.95	15.44	7.45E-04	1.78E-02	8.00E-01	1.38E-03	1.84E-01	8.44E-01	2.84E-02
414.28647	182.97	12.93	12.82	14.16	13.67	1.69E-04	9.88E-01	1.26E-03	1.27E-01	5.69E-04	7.13E-02	5.00E-01
414.29509	239.27	21.48	20.91	20.67	20.59	2.24E-04	4.28E-02	1.18E-03	4.48E-04	7.09E-01	4.96E-01	9.82E-01
414.76662	90.04	16.33	17.73	17.80	17.27	7.05E-26	3.57E-14	1.87E-14	1.73E-10	9.51E-01	5.96E-03	8.54E-04
414.82169	72.69	14.27	14.15	14.11	13.81	7.63E-01	9.92E-01	9.81E-01	7.14E-01	1.00E+00	8.70E-01	9.05E-01
414.86081	49.9	11.57	15.24	14.46	14.45	1.60E-11	5.02E-11	1.89E-07	5.69E-07	4.36E-01	4.54E-01	1.00E+00
414.88149	39.43	12.42	13.00	14.32	13.01	3.16E-03	6.69E-01	1.37E-03	6.73E-01	6.07E-02	1.00E+00	7.47E-02

414.9033	44.6	17.93	19.20	19.18	19.13	1.56E-35	5.11E-15	5.11E-15	7.11E-15	9.99E-01	9.20E-01	9.54E-01
414.92566	40.17	19.64	20.83	20.86	20.88	1.62E-26	4.05E-14	3.57E-14	4.02E-14	9.94E-01	9.83E-01	9.99E-01
415.02998	63.21	12.33	23.36	11.14	10.45	4.77E-101	5.11E-15	4.06E-03	2.57E-06	5.11E-15	5.11E-15	2.45E-01
415.04148	19.68	16.07	16.65	16.55	16.85	2.16E-02	1.06E-01	2.19E-01	1.55E-02	9.83E-01	8.72E-01	6.76E-01
415.22522	174.32	16.45	15.32	15.55	15.94	1.35E-04	1.10E-04	3.23E-03	2.18E-01	8.06E-01	1.09E-01	4.93E-01
415.22638	259.37	11.41	13.80	15.50	14.85	8.76E-12	1.46E-04	1.45E-11	4.16E-08	1.63E-02	2.86E-01	6.77E-01
415.24551	217.45	18.20	18.73	18.79	19.22	1.98E-03	1.58E-01	8.99E-02	6.68E-04	9.96E-01	2.61E-01	3.67E-01
415.26294	242.77	14.63	17.00	16.38	16.60	5.20E-06	6.75E-06	1.41E-03	4.07E-04	5.70E-01	8.52E-01	9.70E-01
415.30723	257.97	24.43	23.91	23.63	23.59	6.40E-03	2.01E-01	1.25E-02	1.18E-02	7.19E-01	6.66E-01	9.99E-01
415.31933	202.92	14.58	15.47	14.44	16.13	6.73E-04	1.82E-01	9.87E-01	3.72E-03	9.99E-02	4.77E-01	1.55E-03
415.87518	39.01	12.85	14.37	14.09	13.65	1.54E-03	1.27E-03	1.18E-02	2.14E-01	9.08E-01	3.43E-01	7.33E-01
415.8848	37.72	16.13	15.36	15.85	14.73	3.90E-04	9.06E-02	8.11E-01	2.60E-04	4.77E-01	2.64E-01	7.36E-03
415.92908	45.24	15.03	16.47	16.45	16.61	5.53E-19	1.30E-13	1.33E-13	4.37E-14	1.00E+00	8.60E-01	8.19E-01
416.01134	30.08	13.02	14.32	15.13	13.73	1.29E-19	5.79E-09	4.02E-14	4.71E-03	8.86E-04	3.07E-02	2.41E-09
416.03356	63.15	12.84	20.28	10.89	11.36	7.69E-117	5.11E-15	4.31E-14	4.32E-10	5.11E-15	5.11E-15	1.42E-01
416.28282	205.06	17.84	17.56	17.89	17.32	5.45E-03	3.53E-01	9.90E-01	1.75E-02	2.26E-01	5.50E-01	8.59E-03
416.31053	257.31	22.46	21.78	21.51	21.51	3.83E-04	3.67E-02	9.14E-04	1.48E-03	7.03E-01	7.23E-01	1.00E+00
416.7581	98.9	15.15	14.17	14.65	14.87	1.30E-10	2.59E-11	1.06E-03	1.64E-01	3.22E-03	9.58E-06	4.01E-01
416.84194	149.96	15.10	13.59	12.75	14.76	7.86E-14	5.99E-06	8.05E-13	6.74E-01	3.30E-02	1.69E-03	6.04E-09
416.86313	49.93	20.09	18.78	20.17	20.14	1.25E-47	5.11E-15	7.46E-01	9.23E-01	5.11E-15	5.11E-15	9.87E-01
416.88407	41.63	21.53	23.34	23.46	23.30	1.60E-43	5.11E-15	5.11E-15	5.11E-15	8.08E-01	9.86E-01	6.17E-01
416.89675	31.13	14.38	13.80	14.98	13.53	5.58E-05	2.45E-01	2.05E-01	4.22E-02	1.34E-03	8.49E-01	7.55E-05
416.92185	45.26	16.84	16.33	16.36	16.70	3.12E-03	8.65E-03	1.48E-02	8.15E-01	9.97E-01	1.34E-01	1.91E-01
417.01237	33.79	14.52	15.24	15.34	15.15	7.50E-04	5.98E-03	9.64E-04	2.48E-02	9.65E-01	9.83E-01	8.39E-01
417.02832	63.11	14.22	20.27	12.45	12.97	8.26E-151	5.11E-15	5.11E-15	3.87E-14	5.11E-15	5.11E-15	2.51E-04
417.04862	45.72	13.96	13.61	14.31	12.98	4.42E-03	7.64E-01	7.45E-01	4.02E-02	2.17E-01	3.39E-01	2.41E-03
417.20576	92.68	13.11	9.41	13.34	14.41	3.41E-13	2.46E-08	9.79E-01	1.56E-01	5.88E-09	1.12E-12	3.34E-01
417.21043	180.73	16.85	17.54	17.04	17.67	1.82E-05	1.11E-03	7.14E-01	9.64E-05	3.88E-02	9.00E-01	5.81E-03
417.24192	182.74	17.42	15.76	16.05	16.19	3.69E-23	2.91E-14	4.33E-14	9.23E-13	2.34E-01	3.77E-02	8.19E-01
417.26519	229.23	16.80	16.48	17.29	17.17	2.74E-05	2.47E-01	2.38E-02	1.59E-01	4.15E-05	1.07E-03	9.12E-01
417.28647	192.16	18.87	17.18	17.55	17.60	8.16E-23	2.86E-14	4.92E-14	3.74E-13	9.30E-02	5.56E-02	9.92E-01
417.31384	252.23	19.27	18.45	18.02	18.20	2.76E-05	1.36E-02	2.71E-05	8.11E-04	3.96E-01	8.17E-01	9.15E-01
417.32257	277.37	23.48	23.31	23.44	23.13	2.24E-02	4.64E-01	9.82E-01	1.97E-02	7.09E-01	4.61E-01	5.99E-02
417.86643	64.77	14.86	12.79	14.18	14.02	4.26E-11	4.64E-12	5.57E-02	1.53E-02	7.26E-06	1.56E-04	9.49E-01
417.87712	32.62	15.69	14.27	14.83	14.30	5.45E-03	8.65E-03	2.08E-01	1.35E-02	6.07E-01	1.00E+00	6.64E-01
417.88738	48.06	17.14	19.22	19.39	19.21	9.60E-43	5.11E-15	5.11E-15	5.11E-15	6.80E-01	1.00E+00	6.46E-01
417.89793	32.28	16.53	17.33	17.51	16.95	1.25E-05	6.41E-04	1.36E-05	1.92E-01	8.27E-01	2.82E-01	4.39E-02
417.91569	38.13	13.81	13.34	13.62	13.41	4.74E-01	4.71E-01	9.38E-01	6.26E-01	8.28E-01	9.97E-01	9.23E-01
417.93935	19.71	14.27	18.01	17.99	17.57	2.23E-30	7.99E-15	7.77E-15	4.19E-14	1.00E+00	5.39E-01	5.74E-01
417.96874	39.49	15.67	18.54	18.90	17.44	4.64E-29	2.60E-14	5.33E-15	1.26E-09	5.35E-01	4.78E-04	1.26E-06
418.00187	25.72	20.20	19.51	19.62	19.46	5.31E-08	1.99E-06	7.06E-05	6.77E-07	8.50E-01	9.86E-01	6.67E-01
418.01189	35.11	15.08	14.98	15.46	15.19	4.40E-01	9.88E-01	5.78E-01	9.85E-01	4.02E-01	9.13E-01	8.24E-01
418.02975	39.28	11.55	16.54	14.22	12.19	2.77E-28	5.33E-15	7.69E-10	4.07E-01	2.06E-07	4.12E-14	1.27E-05
418.0456	46.38	14.34	15.89	16.17	14.37	8.63E-17	3.70E-09	2.08E-12	9.99E-01	6.41E-01	4.46E-08	5.15E-11
418.21408	182.28	14.20	14.97	13.95	15.24	1.05E-04	5.80E-02	8.47E-01	5.64E-03	6.73E-03	8.37E-01	4.33E-04

418.24508	183.9	15.26	12.04	12.23	12.79	1.95E-30	5.77E-15	9.33E-15	4.13E-14	8.87E-01	3.41E-02	1.74E-01
418.25689	74.92	14.27	18.01	12.67	13.19	4.46E-138	5.11E-15	5.11E-15	1.31E-14	5.11E-15	5.11E-15	7.97E-07
418.28087	191.22	14.64	14.31	12.99	14.25	2.85E-06	7.21E-01	1.94E-06	6.27E-01	3.54E-04	9.98E-01	1.02E-03
418.29954	194.95	16.71	16.41	16.45	15.75	2.04E-07	2.21E-01	3.36E-01	4.79E-08	9.94E-01	4.75E-04	1.53E-04
418.30844	269.79	18.31	17.80	17.81	17.91	4.80E-02	7.14E-02	7.43E-02	2.38E-01	1.00E+00	9.62E-01	9.69E-01
418.31639	252.13	16.02	14.27	12.51	14.56	1.71E-11	8.29E-04	1.17E-12	1.00E-02	9.76E-04	9.31E-01	1.27E-04
418.32596	270.97	21.35	21.26	21.38	21.01	1.35E-02	8.39E-01	9.98E-01	2.23E-02	7.51E-01	1.85E-01	1.55E-02
418.75606	96.9	14.10	12.99	13.47	13.54	6.05E-05	1.25E-05	3.05E-02	8.23E-02	1.62E-01	1.02E-01	9.92E-01
418.77354	89.84	16.27	16.02	16.40	16.05	3.39E-03	1.30E-01	6.31E-01	2.61E-01	6.13E-03	9.91E-01	1.96E-02
418.80065	71.07	16.14	16.73	17.15	16.77	3.42E-09	5.91E-04	5.02E-10	2.81E-04	3.25E-02	9.92E-01	8.04E-02
418.82145	53.35	22.23	22.26	23.05	22.81	2.35E-38	9.35E-01	5.11E-15	4.23E-14	5.11E-15	4.30E-14	8.53E-04
418.84132	71.93	15.87	15.11	16.53	16.23	1.96E-29	3.46E-11	6.50E-09	5.37E-03	5.11E-15	4.13E-14	3.20E-02
418.85843	156.41	16.42	14.39	14.22	14.72	9.63E-11	2.69E-08	1.02E-09	7.48E-06	9.54E-01	7.82E-01	4.65E-01
418.88007	41.85	20.25	20.64	21.02	20.98	1.88E-31	2.55E-09	5.11E-15	8.66E-15	2.43E-08	1.24E-06	9.41E-01
418.97401	47.08	13.43	15.09	14.63	14.22	1.28E-08	5.65E-09	2.90E-05	1.71E-02	3.16E-01	9.34E-03	4.27E-01
418.986	69.35	13.85	14.60	14.98	15.52	5.61E-09	1.41E-02	3.68E-05	2.07E-09	4.28E-01	2.96E-03	1.68E-01
419.00442	26.85	16.35	15.36	15.22	15.32	5.83E-11	1.47E-07	1.29E-09	1.04E-07	8.56E-01	9.97E-01	9.42E-01
419.0232	36.11	15.91	14.83	14.21	14.64	7.21E-04	5.34E-02	3.78E-04	1.85E-02	4.76E-01	9.72E-01	7.70E-01
419.04497	22.36	15.26	14.76	14.38	15.13	8.16E-02	5.16E-01	7.49E-02	9.87E-01	7.44E-01	7.63E-01	2.03E-01
419.20589	30	15.91	14.03	15.15	16.88	3.82E-09	4.02E-05	2.40E-01	9.55E-02	3.79E-02	1.51E-09	3.94E-04
419.20691	175.08	10.89	11.34	11.45	12.44	3.89E-02	8.26E-01	7.06E-01	2.08E-02	9.97E-01	1.85E-01	2.60E-01
419.25722	187.05	17.81	16.29	16.74	16.70	1.80E-17	4.37E-14	8.24E-10	6.13E-10	3.04E-02	7.88E-02	9.92E-01
419.28342	211.29	16.89	16.04	15.88	16.08	3.05E-05	9.97E-04	4.69E-05	2.58E-03	8.97E-01	9.99E-01	8.34E-01
419.3024	16.74	15.05	11.80	11.63	12.34	2.56E-46	5.11E-15	5.11E-15	5.11E-15	8.42E-01	5.93E-02	5.24E-03
419.30272	197.65	16.04	14.10	13.94	14.54	9.25E-27	3.55E-14	1.09E-14	2.98E-13	8.14E-01	1.10E-01	1.03E-02
419.32874	282	17.96	17.71	17.96	17.55	2.22E-02	3.37E-01	1.00E+00	3.95E-02	3.68E-01	7.42E-01	4.81E-02
419.82482	53.25	17.80	16.92	18.65	18.37	5.83E-43	4.51E-14	5.00E-14	5.85E-07	5.11E-15	5.11E-15	3.17E-02
419.8843	49.17	15.01	14.99	15.42	15.59	5.42E-07	9.98E-01	3.13E-03	2.58E-05	2.41E-03	2.14E-05	5.60E-01
419.98277	62.3	14.98	14.95	16.41	16.58	8.94E-13	9.99E-01	2.22E-07	2.12E-08	2.79E-07	2.79E-08	9.22E-01
419.99793	26.2	16.74	15.94	15.85	16.02	1.03E-09	2.73E-07	8.22E-09	9.58E-06	9.35E-01	9.40E-01	6.55E-01
420.04835	21.72	16.16	16.41	15.59	15.34	2.40E-03	8.34E-01	2.15E-01	3.99E-02	3.64E-02	4.41E-03	8.60E-01
420.18821	176.7	17.81	17.92	17.95	18.16	2.70E-01	9.09E-01	8.48E-01	1.94E-01	9.99E-01	5.62E-01	6.38E-01
420.25106	175.14	22.01	22.34	22.34	21.46	3.93E-06	2.27E-01	2.16E-01	1.29E-02	1.00E+00	1.78E-05	1.43E-05
420.26029	187.27	14.60	10.09	10.93	12.46	5.28E-21	3.97E-14	5.88E-14	1.78E-05	2.31E-01	2.89E-06	4.76E-03
420.32382	297.09	15.06	14.45	15.19	14.83	4.74E-02	1.15E-01	9.61E-01	8.36E-01	3.98E-02	5.57E-01	5.72E-01
420.77189	93.08	14.74	13.28	14.37	14.22	1.04E-17	4.27E-14	5.96E-02	5.02E-03	6.43E-11	3.91E-08	7.99E-01
420.77985	74.17	15.91	17.24	17.71	17.11	5.98E-23	1.19E-13	1.89E-14	2.83E-11	2.19E-02	8.84E-01	2.58E-03
420.79948	86.91	15.00	15.24	15.85	15.38	1.47E-06	3.92E-01	3.65E-07	7.97E-02	7.46E-04	8.36E-01	1.81E-02
420.81962	61.22	20.35	20.30	21.13	20.88	9.39E-40	7.86E-01	5.11E-15	4.45E-14	5.11E-15	4.51E-14	2.77E-04
420.83706	49.08	21.76	22.09	22.82	22.62	7.76E-45	1.63E-06	5.11E-15	5.11E-15	1.62E-14	7.39E-13	9.70E-03
420.87677	53.09	17.15	16.74	17.36	17.35	9.97E-13	9.14E-06	4.43E-02	8.46E-02	1.70E-11	1.88E-10	9.98E-01
420.89183	33.23	14.75	14.83	15.33	15.45	1.86E-02	9.89E-01	1.11E-01	4.39E-02	2.40E-01	1.10E-01	9.70E-01
420.93154	26.65	13.00	12.37	13.66	13.71	1.22E-01	7.34E-01	6.89E-01	6.68E-01	1.64E-01	1.64E-01	1.00E+00
420.97528	67.93	13.18	16.39	10.90	11.59	5.21E-89	5.11E-15	5.11E-15	4.24E-14	5.11E-15	5.11E-15	5.12E-04
421.00186	28.14	17.58	21.06	20.63	19.86	5.26E-33	5.11E-15	7.11E-15	4.66E-14	3.37E-01	6.86E-05	2.21E-02

421.04027	18.42	13.70	17.03	17.25	17.04	2.59E-27	4.06E-14	2.04E-14	4.30E-14	9.07E-01	1.00E+00	9.20E-01
421.07674	19.15	14.03	16.95	15.23	14.78	2.73E-08	6.39E-09	4.28E-02	3.82E-01	1.68E-03	6.82E-05	7.83E-01
421.10055	62.49	15.18	18.36	14.06	14.38	1.34E-127	5.11E-15	5.11E-15	4.40E-14	5.11E-15	5.11E-15	1.65E-03
421.15572	178.22	14.00	13.28	13.75	14.14	3.37E-06	7.04E-05	3.89E-01	8.28E-01	2.44E-02	4.82E-06	9.24E-02
421.19096	142.53	15.13	14.04	14.45	15.43	6.33E-11	4.12E-07	3.02E-03	4.39E-01	1.68E-01	7.66E-10	1.76E-05
421.22644	168.32	19.18	17.17	17.42	18.51	9.66E-24	3.91E-14	4.30E-14	4.06E-03	5.72E-01	9.77E-10	5.94E-07
421.25717	202.92	20.59	20.89	21.16	20.34	9.88E-04	4.41E-01	2.47E-02	6.21E-01	5.65E-01	4.91E-02	7.80E-04
421.27296	181.63	15.71	16.10	15.82	15.74	4.21E-01	4.10E-01	9.70E-01	1.00E+00	6.99E-01	5.16E-01	9.88E-01
421.82284	61.85	15.38	13.21	16.15	15.88	2.07E-36	2.62E-14	5.60E-04	6.42E-02	5.11E-15	5.11E-15	5.53E-01
421.84044	56.34	17.30	17.28	18.41	18.16	2.38E-44	9.97E-01	5.11E-15	2.15E-14	5.11E-15	2.55E-14	8.86E-03
421.8849	26.54	14.17	15.41	14.95	16.13	1.92E-10	3.10E-05	1.72E-02	4.80E-11	3.31E-01	4.81E-02	1.66E-04
421.99857	42.29	15.94	16.57	17.21	16.94	2.22E-08	1.32E-02	1.54E-08	2.21E-05	1.43E-02	3.18E-01	6.10E-01
422.0103	18.48	11.83	16.35	15.46	14.36	1.25E-24	1.24E-14	4.32E-14	8.23E-09	1.17E-01	1.37E-05	3.60E-02
422.06212	19.25	16.11	18.07	17.99	17.76	2.87E-31	5.77E-15	7.33E-15	4.20E-14	9.62E-01	2.37E-01	4.85E-01
422.07157	18.01	10.60	13.13	13.16	13.99	3.66E-11	8.31E-07	5.00E-07	9.92E-11	1.00E+00	3.00E-01	3.17E-01
422.23019	164.15	16.88	14.13	14.54	16.06	8.72E-28	1.04E-14	4.33E-14	4.17E-03	3.22E-01	1.32E-12	1.45E-08
422.26218	197.19	18.16	18.66	18.78	18.01	4.51E-05	3.05E-02	2.99E-03	8.51E-01	8.99E-01	4.22E-03	3.12E-04
422.77749	84.61	14.18	14.86	15.73	15.16	7.03E-12	4.56E-03	1.02E-12	1.67E-05	1.42E-04	4.61E-01	3.41E-02
422.79833	76.44	14.65	14.13	15.34	15.07	7.26E-14	2.34E-03	1.30E-05	2.26E-02	1.43E-13	1.67E-08	2.84E-01
422.80779	83.65	15.69	13.35	14.70	15.47	2.05E-41	5.11E-15	1.41E-10	4.10E-01	4.34E-14	5.11E-15	3.42E-06
422.81732	62.76	16.60	15.44	17.32	17.00	4.05E-45	2.00E-14	1.05E-10	1.33E-03	5.11E-15	5.11E-15	1.36E-02
422.83572	51.74	19.78	20.01	20.84	20.62	6.95E-41	4.73E-03	5.11E-15	7.77E-15	1.02E-14	7.70E-14	1.62E-02
422.84987	38.87	19.30	20.08	20.26	20.21	1.58E-16	4.98E-10	6.39E-14	2.08E-12	4.07E-01	7.11E-01	9.71E-01
422.86795	34.82	14.29	14.47	14.56	14.71	7.72E-01	9.67E-01	9.01E-01	7.27E-01	9.96E-01	9.41E-01	9.83E-01
422.89184	145.09	16.30	11.39	11.23	13.93	6.60E-19	4.65E-14	4.29E-14	3.37E-04	9.93E-01	1.53E-04	4.22E-05
422.89191	48.48	15.74	9.48	10.31	12.42	5.33E-21	4.22E-14	4.43E-14	1.94E-06	5.45E-01	5.29E-05	6.39E-03
422.91296	36.65	19.01	20.48	20.05	20.19	1.33E-12	2.94E-12	5.84E-07	4.00E-08	1.31E-01	4.88E-01	8.98E-01
422.9537	32.71	16.45	15.52	15.08	15.71	2.80E-05	5.19E-03	8.49E-06	4.75E-02	4.23E-01	9.19E-01	1.45E-01
422.97288	70.98	13.48	15.06	11.76	12.25	3.63E-60	3.00E-14	7.99E-15	1.43E-13	5.11E-15	5.11E-15	8.32E-03
423.22086	231.53	16.04	13.92	16.16	16.99	8.84E-11	2.38E-06	9.91E-01	1.04E-01	9.75E-07	6.37E-11	2.06E-01
423.27603	230.91	23.61	24.49	24.44	23.52	6.99E-04	1.45E-02	2.28E-02	9.91E-01	9.98E-01	9.88E-03	1.54E-02
423.75083	287.48	14.23	17.18	16.58	17.47	2.00E-20	4.33E-14	4.31E-11	4.32E-14	2.80E-01	8.25E-01	4.66E-02
423.83969	52.07	15.16	14.56	15.80	15.64	1.19E-13	7.11E-04	1.92E-04	1.18E-02	6.36E-13	9.44E-10	7.62E-01
423.91624	34.7	14.48	16.60	16.08	15.78	6.73E-14	9.93E-14	6.95E-09	6.95E-06	1.96E-01	1.44E-02	6.79E-01
423.93621	69.68	11.63	14.10	14.30	13.90	5.22E-27	3.79E-14	1.51E-14	4.35E-14	8.23E-01	8.47E-01	3.44E-01
423.9454	21.6	9.89	14.28	14.06	11.98	1.31E-35	5.11E-15	5.11E-15	4.68E-09	9.07E-01	4.54E-10	1.29E-08
424.24708	187.8	17.83	17.00	17.02	16.42	1.18E-09	2.08E-04	2.52E-04	1.84E-10	1.00E+00	2.76E-02	2.03E-02
424.27948	236.17	21.65	22.49	22.37	21.52	5.96E-04	1.19E-02	4.04E-02	9.67E-01	9.71E-01	4.68E-03	1.67E-02
424.34383	205.82	13.97	16.42	15.41	15.17	1.30E-14	4.32E-14	1.64E-06	1.82E-04	2.00E-03	1.20E-04	8.29E-01
424.75881	291.09	13.33	17.07	16.82	15.20	9.89E-40	5.11E-15	5.11E-15	1.80E-11	7.53E-01	6.87E-11	1.21E-08
424.76668	67.19	16.89	16.12	17.50	17.56	1.10E-26	5.80E-09	6.18E-06	1.00E-06	2.38E-14	1.89E-14	9.48E-01
424.77764	76.96	14.99	15.20	16.15	15.20	2.61E-23	2.23E-01	2.55E-14	2.23E-01	4.26E-14	1.00E+00	5.02E-14
424.78716	85.3	14.58	13.04	14.07	14.46	2.50E-14	1.64E-13	3.42E-02	9.30E-01	1.11E-06	6.24E-11	1.94E-01
424.83118	57.09	16.96	15.94	16.69	16.40	2.07E-09	7.27E-10	2.58E-01	2.23E-03	1.44E-05	2.06E-02	2.82E-01
424.84976	63.04	18.52	17.74	17.07	17.59	1.36E-10	6.48E-04	1.76E-11	4.41E-05	5.65E-03	8.82E-01	6.23E-02

424.87078	56.38	16.04	15.42	16.94	16.71	3.05E-24	3.16E-05	5.67E-10	1.02E-05	2.26E-14	4.35E-14	3.68E-01
424.90772	43.77	15.87	15.41	15.09	15.80	1.47E-01	6.07E-01	1.54E-01	9.98E-01	8.36E-01	7.54E-01	2.67E-01
424.92869	37.78	17.66	20.08	19.68	19.66	2.24E-20	4.29E-14	1.00E-13	6.44E-13	3.86E-01	3.65E-01	1.00E+00
424.94614	31.03	12.86	13.92	14.29	12.95	2.33E-04	2.72E-02	9.05E-04	9.95E-01	7.64E-01	7.34E-02	4.30E-03
424.96703	18.3	12.67	14.68	14.85	15.06	5.95E-13	1.77E-08	6.38E-10	6.83E-11	9.54E-01	6.85E-01	9.30E-01
424.98912	58.85	15.04	14.49	16.81	16.83	1.65E-20	1.51E-01	3.67E-10	8.63E-10	4.57E-14	5.63E-14	1.00E+00
425.03756	70.38	15.16	16.43	14.12	14.45	1.04E-80	5.11E-15	5.11E-15	4.31E-14	5.11E-15	5.11E-15	2.47E-04
425.06503	20.73	14.22	14.07	14.27	15.02	2.52E-01	9.88E-01	1.00E+00	3.64E-01	9.75E-01	2.35E-01	4.43E-01
425.08193	19.53	19.23	20.54	20.81	21.78	5.98E-17	4.69E-06	1.69E-08	4.25E-14	7.31E-01	4.32E-05	2.02E-03
425.10125	22.18	15.44	18.88	17.70	17.26	2.97E-37	5.11E-15	3.55E-14	1.07E-13	9.47E-07	5.73E-11	2.01E-01
425.17163	90.21	15.14	13.17	15.12	15.72	1.51E-12	1.55E-08	1.00E+00	2.91E-01	4.77E-08	4.82E-12	2.67E-01
425.21059	232.17	17.85	17.06	18.10	17.81	6.29E-14	3.55E-09	1.72E-01	9.82E-01	9.30E-14	1.55E-07	9.76E-02
425.23743	251.29	15.71	15.38	16.11	15.57	4.67E-02	5.79E-01	3.94E-01	9.56E-01	2.97E-02	8.93E-01	1.92E-01
425.25537	185.47	17.19	17.08	16.95	17.40	8.66E-02	9.13E-01	4.91E-01	6.24E-01	8.85E-01	2.78E-01	5.91E-02
425.28259	231.02	18.57	19.38	19.26	18.46	1.88E-03	2.05E-02	6.41E-02	9.85E-01	9.72E-01	1.15E-02	3.65E-02
425.29149	242.71	20.44	21.01	21.07	20.68	2.47E-02	6.55E-02	3.36E-02	7.41E-01	9.96E-01	5.22E-01	3.82E-01
425.94744	35.55	15.89	15.16	15.27	15.35	1.07E-02	1.07E-02	4.17E-02	1.18E-01	9.63E-01	8.58E-01	9.88E-01
426.02325	21.72	20.97	24.38	23.94	23.30	3.91E-54	5.11E-15	5.11E-15	5.11E-15	5.79E-02	5.15E-08	2.48E-03
426.03658	23.61	16.59	15.43	15.47	15.70	6.91E-05	2.42E-04	3.33E-04	1.07E-02	9.99E-01	7.92E-01	8.46E-01
426.21394	227.07	14.43	13.07	14.76	14.45	1.38E-05	5.73E-04	7.61E-01	1.00E+00	1.47E-05	1.08E-03	8.11E-01
426.28586	223.1	15.76	15.44	15.54	15.73	6.69E-01	6.92E-01	8.65E-01	9.99E-01	9.89E-01	7.93E-01	9.26E-01
426.29478	243.6	18.23	18.82	18.97	18.52	1.61E-02	7.57E-02	1.44E-02	6.48E-01	9.41E-01	6.52E-01	3.13E-01
426.35917	203.16	13.72	15.56	15.53	15.68	1.17E-21	4.33E-14	4.31E-14	4.31E-14	9.98E-01	9.42E-01	8.83E-01
426.76412	60.07	14.69	13.75	15.99	15.95	4.95E-16	3.24E-03	1.16E-05	4.64E-05	1.93E-13	1.91E-12	9.99E-01
426.78527	59.1	18.84	17.81	19.24	19.29	3.08E-04	2.44E-02	6.92E-01	6.19E-01	8.55E-04	7.77E-04	9.99E-01
426.82385	75.64	12.85	13.62	14.31	14.75	1.80E-06	1.28E-01	2.32E-04	2.08E-06	2.22E-01	1.43E-02	6.37E-01
426.84595	85.54	17.34	15.16	15.50	15.76	2.90E-44	5.11E-15	5.11E-15	7.33E-15	5.12E-02	9.73E-05	2.21E-01
426.86579	40.81	19.62	20.29	20.05	19.88	4.97E-05	1.77E-05	1.13E-02	2.69E-01	3.36E-01	2.98E-02	6.50E-01
426.87702	197.09	15.86	15.84	16.15	15.80	7.07E-06	9.95E-01	3.06E-04	8.44E-01	1.89E-04	9.41E-01	2.56E-05
426.92417	40.04	15.11	17.77	17.56	17.79	1.02E-23	4.35E-14	4.20E-14	4.29E-14	8.70E-01	1.00E+00	8.46E-01
426.9823	37.85	14.84	14.86	14.86	15.05	9.34E-01	1.00E+00	1.00E+00	9.35E-01	1.00E+00	9.54E-01	9.51E-01
427.03383	26.1	12.17	14.06	14.24	13.43	7.39E-13	4.96E-10	7.61E-12	8.82E-05	9.25E-01	1.36E-01	2.89E-02
427.05222	19.2	15.89	14.64	15.14	16.14	2.76E-04	3.55E-03	1.57E-01	9.05E-01	5.27E-01	6.18E-04	4.22E-02
427.07721	18.77	15.05	16.16	16.05	17.33	9.00E-08	1.00E-02	2.39E-02	9.34E-09	9.90E-01	1.00E-02	3.40E-03
427.08825	18.88	16.29	18.17	18.09	18.47	2.00E-11	4.20E-08	1.07E-07	4.99E-10	9.96E-01	7.89E-01	6.53E-01
427.18963	84.06	16.33	16.10	17.75	17.86	1.78E-14	7.92E-01	1.03E-07	2.81E-08	1.92E-09	5.49E-10	9.71E-01
427.20375	29.14	13.08	14.68	11.05	11.73	1.49E-56	4.30E-14	6.00E-15	9.64E-13	5.11E-15	5.11E-15	8.09E-04
427.22646	244.57	16.60	16.14	16.78	16.04	1.64E-03	1.34E-01	8.16E-01	4.97E-02	1.66E-02	9.68E-01	4.82E-03
427.23384	183.23	12.76	13.82	15.12	12.20	3.56E-07	1.60E-01	2.70E-05	7.11E-01	6.01E-02	1.50E-02	6.34E-07
427.25246	260.6	16.24	15.47	15.86	16.48	6.17E-02	1.72E-01	7.44E-01	9.28E-01	7.31E-01	5.62E-02	4.05E-01
427.30679	256.66	18.07	17.98	17.88	17.93	7.75E-01	9.68E-01	7.38E-01	8.89E-01	9.48E-01	9.93E-01	9.94E-01
427.32219	253.25	17.65	17.84	17.80	17.14	1.61E-03	7.10E-01	8.26E-01	4.08E-02	9.97E-01	2.17E-03	4.02E-03
427.86902	51.02	14.86	14.57	13.93	13.81	9.20E-03	8.36E-01	3.72E-02	1.96E-02	2.77E-01	1.72E-01	9.89E-01
427.90562	37.29	18.03	18.28	18.69	17.64	2.21E-02	8.72E-01	1.73E-01	6.55E-01	5.98E-01	2.55E-01	1.25E-02
427.92677	37.29	14.05	12.67	12.36	14.82	1.18E-10	9.92E-04	2.52E-05	1.70E-01	8.38E-01	3.39E-07	3.46E-09

427.95685	33.75	13.02	14.03	14.64	12.89	1.19E-10	1.13E-03	2.34E-08	9.61E-01	1.14E-01	3.84E-04	9.98E-09
428.02758	16.73	14.85	18.61	18.22	17.49	7.42E-48	5.11E-15	5.11E-15	6.22E-15	2.72E-01	6.22E-06	6.13E-03
428.04698	25.87	13.33	15.33	15.50	14.26	1.33E-08	1.24E-06	9.74E-08	7.65E-02	9.71E-01	3.43E-02	9.01E-03
428.08961	18.17	11.56	12.87	13.07	14.39	6.23E-07	2.83E-02	7.09E-03	8.49E-08	9.75E-01	1.25E-02	3.77E-02
428.19346	89.65	13.12	13.14	15.19	15.13	1.12E-12	1.00E+00	1.99E-08	1.40E-07	6.65E-08	3.95E-07	9.99E-01
428.2653	108.69	12.73	14.68	14.56	13.73	9.14E-10	1.09E-08	6.06E-08	1.00E-02	9.83E-01	2.20E-02	5.49E-02
428.30236	244.8	18.13	16.86	16.45	17.31	1.99E-32	3.69E-14	5.11E-15	1.32E-09	4.71E-03	2.21E-03	2.79E-10
428.32561	253.53	14.95	16.56	15.71	14.03	5.44E-10	3.34E-05	1.18E-01	5.18E-02	8.16E-02	3.01E-10	3.53E-05
428.78498	73.04	16.85	17.06	17.12	16.94	1.44E-01	3.54E-01	1.33E-01	9.08E-01	9.59E-01	8.00E-01	4.99E-01
428.79496	34.4	14.45	12.84	14.62	13.64	1.34E-04	9.25E-04	9.77E-01	2.36E-01	2.68E-04	2.75E-01	1.16E-01
428.86128	34.94	17.22	17.81	18.22	17.30	3.07E-10	9.16E-04	2.21E-09	9.54E-01	4.74E-02	1.05E-02	2.20E-07
428.87424	197.08	16.79	17.24	17.47	16.71	1.65E-17	2.26E-06	5.48E-13	8.26E-01	4.77E-02	1.37E-07	7.90E-14
428.91882	40.46	15.49	15.02	15.26	15.44	4.26E-02	3.97E-02	5.54E-01	9.94E-01	5.34E-01	1.03E-01	7.50E-01
428.94125	46.48	17.70	17.67	17.77	17.87	8.23E-01	9.99E-01	9.89E-01	8.71E-01	9.68E-01	8.11E-01	9.70E-01
428.95869	136.59	11.61	15.62	16.00	15.15	2.30E-23	4.37E-14	3.93E-14	1.29E-13	8.10E-01	7.16E-01	2.17E-01
429.02366	20.57	17.12	16.72	16.70	17.84	6.60E-03	6.55E-01	6.12E-01	1.70E-01	1.00E+00	1.17E-02	9.09E-03
429.04586	63.95	17.91	19.44	17.44	17.50	3.93E-98	5.11E-15	6.67E-14	3.77E-11	5.11E-15	5.11E-15	8.12E-01
429.05918	17.77	11.73	14.39	14.45	14.14	6.10E-11	1.16E-08	3.61E-09	4.97E-07	9.99E-01	9.48E-01	9.00E-01
429.08512	39.66	14.74	19.05	15.01	14.76	1.46E-39	5.11E-15	7.89E-01	1.00E+00	5.11E-15	5.11E-15	8.49E-01
429.2052	118.09	10.33	12.93	15.21	14.62	5.57E-15	8.45E-05	8.10E-14	8.80E-11	1.10E-03	3.48E-02	7.77E-01
429.2862	194.51	16.54	16.13	16.36	16.49	9.46E-02	8.20E-02	7.17E-01	9.93E-01	5.53E-01	1.89E-01	8.82E-01
429.30182	82.48	16.54	14.15	16.57	16.91	1.49E-21	4.24E-14	1.00E+00	5.29E-01	4.29E-14	4.29E-14	6.08E-01
429.32252	282.3	17.43	16.53	16.91	17.08	6.68E-03	2.75E-03	1.78E-01	5.53E-01	4.45E-01	1.66E-01	9.20E-01
429.80673	83	13.53	12.16	12.89	12.67	3.88E-04	1.21E-04	1.73E-01	3.91E-02	1.07E-01	4.29E-01	9.02E-01
429.85251	64.03	15.41	14.58	16.28	15.91	3.66E-16	5.88E-05	1.56E-05	4.29E-02	4.41E-14	4.09E-10	2.02E-01
429.90313	37.5	14.75	13.96	14.84	13.92	4.10E-02	2.11E-01	9.95E-01	1.86E-01	1.45E-01	1.00E+00	1.27E-01
429.93641	36.24	14.04	15.13	15.41	14.95	7.98E-07	1.33E-04	5.85E-07	2.89E-03	6.84E-01	9.06E-01	2.93E-01
429.96319	20.05	12.11	13.32	13.06	12.89	8.99E-05	6.20E-05	2.55E-03	2.66E-02	7.70E-01	4.21E-01	9.31E-01
430.03275	18.44	12.20	13.57	13.12	15.13	1.03E-06	3.32E-02	2.47E-01	1.95E-07	8.16E-01	1.70E-02	8.61E-04
430.04994	27.86	15.88	16.15	16.66	14.92	3.61E-07	7.87E-01	2.89E-02	5.57E-03	2.78E-01	3.06E-04	7.66E-08
430.09085	60.07	13.27	15.26	11.28	11.97	6.09E-78	5.11E-15	5.11E-15	4.27E-14	5.11E-15	5.11E-15	1.20E-05
430.22451	161.94	14.57	13.75	13.70	13.57	4.90E-06	4.67E-04	1.47E-04	2.17E-05	9.95E-01	8.49E-01	9.37E-01
430.24258	164.46	15.33	12.73	14.05	14.65	3.16E-19	3.99E-14	3.93E-06	4.44E-02	3.39E-06	4.69E-11	1.09E-01
430.28125	162.47	16.08	18.31	17.39	16.88	5.36E-19	3.95E-14	2.33E-08	2.23E-03	2.69E-04	1.05E-08	1.05E-01
430.29732	222.2	15.05	14.96	14.81	14.28	2.68E-02	9.85E-01	7.85E-01	2.12E-02	9.42E-01	6.41E-02	2.07E-01
430.31776	268.08	20.85	20.10	19.80	20.74	2.38E-26	5.59E-13	2.11E-14	6.81E-01	1.17E-02	3.74E-09	4.37E-14
430.74023	90.78	13.95	15.23	15.16	14.69	2.03E-12	4.95E-11	3.80E-10	4.02E-04	9.78E-01	2.12E-02	5.78E-02
430.79441	117.38	14.83	12.85	13.50	14.35	4.37E-12	9.64E-12	4.69E-06	2.85E-01	7.83E-02	1.18E-06	1.29E-02
430.80154	69.05	17.13	17.24	17.83	17.20	2.59E-12	6.87E-01	2.38E-11	9.19E-01	3.73E-08	9.74E-01	8.20E-09
430.82684	67.87	13.82	11.49	13.97	14.41	1.92E-37	5.77E-15	8.63E-01	1.44E-02	5.11E-15	5.11E-15	1.18E-01
430.83422	73	14.19	14.82	14.91	15.10	6.19E-04	2.84E-02	7.19E-03	6.26E-04	9.76E-01	6.39E-01	8.61E-01
430.85563	38.7	13.99	14.72	15.65	13.94	2.40E-04	3.14E-01	5.73E-04	1.00E+00	1.38E-01	3.09E-01	8.72E-04
430.87232	194.16	16.05	15.66	16.46	15.91	6.18E-03	2.99E-01	2.48E-01	9.16E-01	2.89E-03	7.31E-01	8.07E-02
430.89949	47.92	20.23	21.07	21.26	21.24	1.04E-21	5.34E-13	4.32E-14	4.35E-14	2.82E-01	4.15E-01	9.98E-01
431.00394	64.32	14.70	23.12	13.34	13.56	1.11E-146	5.11E-15	4.94E-14	2.52E-10	5.11E-15	5.11E-15	5.26E-01

431.02493	62.19	13.91	16.17	11.94	12.77	5.72E-47	4.13E-14	4.46E-14	7.38E-06	5.11E-15	5.11E-15	2.58E-03
431.03657	18.34	15.51	15.79	15.54	16.27	1.07E-01	8.23E-01	1.00E+00	1.08E-01	8.77E-01	5.07E-01	1.46E-01
431.09232	20.75	20.50	22.13	21.55	20.91	2.27E-07	1.80E-07	1.41E-03	4.84E-01	1.85E-01	3.95E-04	1.47E-01
431.17166	161.92	16.45	16.72	17.05	17.17	7.59E-10	8.10E-02	4.78E-07	6.67E-09	1.38E-02	6.74E-04	7.58E-01
431.18454	177.89	15.35	15.37	15.71	15.42	1.59E-03	9.98E-01	2.29E-03	9.20E-01	6.05E-03	9.70E-01	3.04E-02
431.22444	172.8	11.96	12.36	13.22	13.84	6.37E-04	8.30E-01	3.69E-02	7.24E-04	2.80E-01	1.62E-02	5.84E-01
431.24511	162.52	13.93	9.64	10.57	11.73	3.34E-22	2.91E-14	5.11E-14	7.85E-07	1.01E-01	5.51E-06	2.48E-02
431.26532	174.22	14.68	12.35	12.31	13.80	4.71E-15	7.97E-12	2.21E-12	3.02E-02	9.99E-01	8.58E-05	4.13E-05
431.28416	156.12	13.84	15.71	14.01	14.16	1.31E-09	5.02E-09	9.32E-01	6.97E-01	2.20E-07	6.21E-06	9.59E-01
431.30208	294.38	17.59	16.96	16.95	16.79	2.03E-08	1.85E-05	1.05E-05	7.61E-08	1.00E+00	6.18E-01	6.59E-01
431.32095	267.64	18.39	17.54	17.52	18.21	7.21E-07	4.88E-05	2.27E-05	7.74E-01	9.99E-01	4.45E-03	2.63E-03
431.90288	47.91	16.01	16.71	16.89	16.96	1.35E-19	1.99E-10	4.40E-14	4.17E-14	2.60E-01	7.23E-02	9.07E-01
432.00739	63.93	17.28	20.05	16.76	16.85	1.64E-148	5.11E-15	4.30E-14	2.85E-13	5.11E-15	5.11E-15	3.91E-01
432.09222	23.47	18.59	20.35	19.88	19.56	1.45E-17	4.34E-14	8.61E-11	3.05E-06	5.60E-02	3.08E-04	3.39E-01
432.11023	25.67	15.75	11.95	13.18	14.36	8.98E-18	4.22E-14	1.58E-09	3.73E-03	1.26E-02	1.12E-07	2.19E-02
432.17513	163.52	13.84	13.38	14.25	14.55	2.47E-06	1.34E-01	2.11E-01	6.74E-03	4.58E-04	2.19E-06	5.23E-01
432.18784	178.11	9.37	12.14	11.61	11.42	2.75E-11	7.31E-11	1.15E-07	3.08E-06	5.32E-01	3.00E-01	9.70E-01
432.22219	166.92	18.72	18.49	19.45	18.90	4.73E-04	7.32E-01	7.15E-03	8.60E-01	2.56E-04	3.04E-01	9.89E-02
432.27925	180.89	11.77	12.41	11.96	11.35	1.27E-01	4.21E-01	9.66E-01	7.75E-01	7.23E-01	8.39E-02	5.13E-01
432.29706	169.82	17.45	19.49	18.30	17.79	1.99E-22	2.53E-14	3.31E-05	2.80E-01	6.87E-09	4.71E-14	4.25E-02
432.30499	195.26	15.73	13.76	14.63	14.46	3.99E-06	9.35E-07	1.30E-02	4.11E-03	9.32E-02	2.72E-01	9.69E-01
432.33358	299.13	16.74	17.58	17.84	17.91	2.14E-05	6.97E-03	1.43E-04	8.47E-05	7.56E-01	6.13E-01	9.93E-01
432.73226	94.64	14.24	14.57	14.75	14.66	3.93E-02	2.87E-01	3.21E-02	1.26E-01	7.88E-01	9.68E-01	9.70E-01
432.79225	81.55	14.62	9.12	11.05	11.83	2.67E-21	2.51E-14	3.62E-11	6.72E-07	9.81E-04	2.80E-06	4.34E-01
432.81503	63.99	15.70	14.82	16.49	15.99	2.97E-12	1.73E-04	7.07E-04	5.11E-01	5.39E-13	1.08E-06	9.12E-02
432.81623	156.11	11.42	14.35	14.16	14.80	4.24E-13	2.02E-09	1.60E-08	1.65E-11	9.74E-01	7.69E-01	5.08E-01
432.83749	52.42	19.85	18.63	20.04	19.90	1.97E-22	4.20E-14	5.00E-01	9.87E-01	3.97E-14	4.26E-14	7.51E-01
432.85779	44.68	21.65	22.96	23.33	23.15	3.13E-48	5.11E-15	5.11E-15	5.11E-15	7.47E-04	2.43E-01	2.26E-01
432.86859	200.36	15.14	14.57	14.76	14.58	1.47E-08	1.08E-07	7.37E-04	6.02E-07	2.13E-01	9.98E-01	3.20E-01
432.86962	31.57	14.28	14.95	15.44	14.54	2.08E-03	1.41E-01	1.32E-03	8.46E-01	4.23E-01	6.01E-01	3.32E-02
432.89646	46.7	17.82	17.94	18.11	18.33	9.24E-05	7.31E-01	4.02E-02	5.99E-05	3.90E-01	4.17E-03	2.30E-01
432.98438	28.98	15.01	15.96	15.92	15.92	4.79E-03	1.30E-02	1.74E-02	2.35E-02	9.99E-01	9.99E-01	1.00E+00
433.00207	63.85	13.75	20.67	11.65	12.32	1.33E-156	5.11E-15	5.11E-15	2.84E-14	5.11E-15	5.11E-15	4.72E-06
433.02232	47.24	14.60	15.87	16.21	15.01	3.54E-07	2.10E-04	1.08E-06	5.36E-01	6.90E-01	3.81E-02	1.12E-03
433.09246	20.67	16.58	18.44	18.02	17.45	1.97E-11	2.19E-11	1.69E-07	5.26E-03	3.69E-01	1.44E-03	1.35E-01
433.11467	21.54	14.06	15.79	14.82	14.53	6.59E-05	2.04E-05	1.58E-01	5.96E-01	4.45E-02	6.15E-03	8.72E-01
433.22472	161.8	16.73	16.31	17.31	16.84	4.39E-04	2.49E-01	4.64E-02	9.67E-01	1.16E-04	1.22E-01	1.83E-01
433.23671	206.42	15.35	14.73	14.52	14.17	1.03E-04	7.23E-02	5.95E-03	4.68E-05	8.45E-01	1.45E-01	5.30E-01
433.30025	171.53	14.94	17.26	15.77	15.23	2.25E-14	8.48E-14	1.55E-02	7.41E-01	1.81E-06	2.48E-10	2.52E-01
433.33479	277.86	16.09	17.18	16.09	17.17	1.44E-04	4.24E-03	1.00E+00	6.40E-03	5.59E-03	1.00E+00	8.21E-03
433.84035	58.94	14.71	12.32	13.84	14.23	8.24E-26	6.00E-15	6.09E-05	7.79E-02	3.50E-12	4.23E-14	2.27E-01
433.86127	50.05	17.44	18.84	19.29	19.10	5.68E-46	5.11E-15	5.11E-15	5.11E-15	2.63E-04	9.69E-02	3.15E-01
433.87172	29.13	15.19	15.67	15.83	15.46	4.71E-01	6.73E-01	4.27E-01	9.27E-01	9.83E-01	9.65E-01	8.37E-01
433.93309	25.29	15.37	18.07	17.63	17.60	2.33E-35	5.11E-15	7.77E-15	1.62E-14	9.87E-02	8.92E-02	9.99E-01
433.94389	39.71	15.51	17.51	17.82	16.97	6.07E-29	3.15E-14	5.33E-15	2.09E-12	3.52E-01	3.11E-02	9.87E-05

433.97581	22.63	18.30	15.65	15.65	15.88	3.96E-10	3.53E-08	2.78E-08	1.16E-06	1.00E+00	9.56E-01	9.58E-01
434.00549	34.23	16.88	18.50	18.51	17.37	5.09E-40	5.11E-15	5.11E-15	3.72E-04	1.00E+00	4.22E-14	4.20E-14
434.01953	49.66	14.45	17.33	17.79	16.19	9.24E-30	2.69E-14	5.11E-15	3.80E-09	2.99E-01	3.01E-04	9.35E-08
434.21784	161.05	13.70	12.56	13.99	13.27	1.05E-04	1.93E-03	7.89E-01	5.36E-01	7.46E-05	1.43E-01	1.27E-01
434.23798	157.1	19.04	18.95	19.46	19.01	2.49E-02	9.67E-01	8.11E-02	9.99E-01	3.02E-02	9.90E-01	8.03E-02
434.26728	186.6	18.83	18.04	18.25	17.93	1.95E-05	2.72E-04	1.27E-02	3.77E-05	6.97E-01	9.43E-01	3.65E-01
434.29504	190.92	13.33	12.74	13.35	11.94	4.63E-03	5.04E-01	1.00E+00	7.68E-03	4.86E-01	2.65E-01	7.80E-03
434.30349	172.59	10.39	13.44	12.23	11.72	1.36E-09	1.90E-10	1.77E-04	1.70E-02	3.54E-02	1.36E-03	6.81E-01
434.33958	296.41	14.09	13.65	15.11	13.49	3.24E-03	7.69E-01	1.09E-01	5.69E-01	1.01E-02	9.86E-01	4.22E-03
434.73014	94.72	13.48	12.96	13.32	13.37	2.40E-02	1.52E-02	8.00E-01	9.23E-01	1.67E-01	1.14E-01	9.95E-01
434.74819	77.9	15.30	15.45	15.92	15.61	3.11E-06	5.53E-01	1.16E-06	5.47E-02	6.60E-04	6.05E-01	5.04E-02
434.79526	54.09	20.99	21.07	22.09	21.77	8.13E-26	8.96E-01	3.04E-14	1.35E-11	4.35E-14	2.16E-09	1.50E-02
434.81588	57.74	17.03	15.79	17.99	17.69	8.34E-48	3.89E-14	9.19E-14	5.21E-07	5.11E-15	5.11E-15	6.69E-02
434.83228	145.73	16.45	15.19	15.62	15.94	9.95E-10	2.89E-10	3.77E-05	3.35E-02	1.03E-01	7.41E-04	3.30E-01
434.85581	40.87	20.23	20.72	21.30	21.19	1.36E-41	3.72E-11	5.11E-15	5.11E-15	6.57E-14	1.26E-09	4.14E-01
434.90651	29.2	14.00	12.71	14.06	13.80	5.42E-04	1.61E-03	9.98E-01	9.48E-01	1.10E-03	1.75E-02	8.94E-01
434.92792	32.18	10.71	12.81	14.02	12.76	2.82E-10	5.40E-05	4.53E-11	1.35E-04	5.18E-02	1.00E+00	4.71E-02
434.95541	37.58	15.33	17.73	18.24	18.01	5.09E-18	2.16E-11	4.42E-14	4.67E-13	4.35E-01	8.52E-01	9.12E-01
434.99888	56.74	14.79	15.58	11.64	12.65	2.98E-50	1.37E-03	5.11E-15	4.29E-14	5.11E-15	5.11E-15	4.87E-05
435.05514	18.39	15.34	16.56	15.65	16.12	1.81E-03	1.29E-03	7.69E-01	9.26E-02	3.36E-02	5.77E-01	5.13E-01
435.08175	197.36	17.84	17.08	17.39	16.97	3.25E-27	3.73E-14	1.17E-08	7.99E-15	1.68E-04	3.98E-01	1.77E-07
435.11995	17.58	19.06	20.58	20.57	20.36	1.68E-08	4.61E-07	4.21E-07	3.24E-05	1.00E+00	8.81E-01	8.92E-01
435.24038	161.63	17.29	16.82	17.34	16.97	5.69E-03	2.44E-02	9.91E-01	2.44E-01	1.23E-02	8.13E-01	1.51E-01
435.2521	174.35	16.70	17.61	17.88	17.57	7.15E-11	8.08E-07	8.64E-11	5.05E-06	3.92E-01	9.95E-01	2.86E-01
435.27343	204.2	18.74	18.82	19.15	18.29	3.28E-03	9.83E-01	2.18E-01	1.88E-01	4.28E-01	1.01E-01	1.07E-03
435.28862	188.86	15.02	10.62	9.73	10.57	4.54E-49	5.11E-15	5.11E-15	5.11E-15	1.60E-02	9.98E-01	3.36E-02
435.79871	63.61	16.39	15.58	17.60	17.21	2.77E-35	4.17E-08	4.37E-14	9.15E-08	5.11E-15	1.62E-14	3.23E-02
435.85853	52.15	15.31	15.65	16.28	16.24	2.98E-20	5.99E-03	4.31E-14	4.72E-14	1.06E-07	1.34E-06	9.89E-01
435.95356	42.87	16.54	18.03	18.25	17.86	3.27E-12	8.74E-09	2.26E-11	7.66E-07	7.79E-01	9.06E-01	3.76E-01
436.03078	22.95	13.30	13.02	13.99	13.22	1.54E-01	9.18E-01	3.79E-01	9.98E-01	1.31E-01	9.73E-01	3.28E-01
436.08227	193.42	14.55	12.04	12.74	11.26	2.33E-19	1.11E-12	1.91E-07	4.31E-14	1.48E-01	9.38E-02	8.79E-05
436.12368	18.1	16.14	17.51	17.48	17.50	3.84E-07	1.16E-05	1.38E-05	2.18E-05	1.00E+00	1.00E+00	1.00E+00
436.25127	170.59	17.27	17.12	17.61	16.97	2.43E-03	7.99E-01	1.62E-01	3.04E-01	2.04E-02	8.39E-01	1.65E-03
436.28395	227.69	24.34	24.59	24.31	24.17	8.84E-03	1.50E-01	9.92E-01	4.77E-01	8.93E-02	4.29E-03	6.64E-01
436.74581	90.06	14.46	14.05	14.54	14.14	1.91E-03	2.55E-02	9.41E-01	1.34E-01	5.51E-03	9.40E-01	4.01E-02
436.77454	91.7	13.72	13.53	14.08	13.85	4.80E-02	7.63E-01	2.38E-01	9.11E-01	2.94E-02	3.98E-01	6.69E-01
436.79335	61.91	19.37	19.41	20.46	20.16	2.46E-23	9.90E-01	4.24E-14	2.17E-10	4.22E-14	3.30E-09	4.74E-02
436.81085	57.16	20.45	20.57	21.63	21.35	5.35E-27	7.00E-01	2.31E-14	1.47E-13	4.40E-14	2.14E-10	6.17E-02
436.82353	154.05	14.21	9.29	7.93	12.27	1.15E-27	4.24E-14	6.22E-15	1.94E-03	5.34E-02	8.63E-07	5.21E-13
436.85131	45.51	17.30	16.02	17.69	17.64	2.36E-45	5.11E-15	2.95E-04	3.45E-03	5.11E-15	5.11E-15	9.57E-01
436.86575	42.21	15.40	14.83	15.02	15.17	2.97E-01	2.37E-01	5.95E-01	8.78E-01	9.21E-01	7.13E-01	9.69E-01
436.97549	52.74	14.87	14.33	16.19	16.36	2.09E-17	1.01E-01	2.95E-07	1.78E-08	2.18E-12	1.65E-13	8.90E-01
437.00994	30.24	13.09	16.35	16.81	15.30	1.55E-28	3.22E-14	5.33E-15	6.73E-11	4.42E-01	5.83E-03	1.70E-05
437.03523	24.35	12.44	15.52	15.17	15.12	3.70E-13	1.75E-11	1.57E-09	1.08E-08	8.47E-01	8.02E-01	9.99E-01
437.07432	55.17	15.65	18.41	14.79	15.10	1.57E-120	5.11E-15	1.78E-14	1.18E-10	5.11E-15	5.11E-15	9.98E-04

437.11578	17.02	12.28	13.95	13.82	13.88	8.48E-03	1.86E-02	3.32E-02	3.20E-02	9.96E-01	9.99E-01	1.00E+00
437.19215	204.78	12.00	15.15	14.73	15.32	1.27E-17	1.11E-13	4.23E-11	5.84E-14	6.95E-01	9.72E-01	4.34E-01
437.19229	63.71	8.64	16.81	8.36	10.03	1.00E-44	5.11E-15	9.42E-01	4.00E-02	5.11E-15	5.33E-15	9.68E-03
437.24311	201.05	19.46	19.28	19.56	18.64	5.43E-02	9.50E-01	9.92E-01	8.93E-02	8.51E-01	2.86E-01	5.09E-02
437.26783	184.19	18.25	18.89	19.28	18.88	4.66E-06	5.48E-03	1.07E-06	8.31E-03	2.04E-01	1.00E+00	2.07E-01
437.29028	228.85	24.03	24.22	24.17	23.54	2.35E-03	7.34E-01	8.50E-01	4.75E-02	9.96E-01	3.04E-03	5.66E-03
437.29112	32.91	10.25	12.71	10.16	12.97	1.24E-05	2.53E-03	9.99E-01	9.26E-04	2.09E-03	9.84E-01	7.70E-04
437.79665	64.95	14.20	12.13	15.31	14.83	8.07E-31	4.34E-14	1.38E-05	4.29E-02	5.11E-15	2.66E-14	1.92E-01
437.81428	58.06	15.95	15.13	16.97	16.63	9.09E-34	2.95E-09	2.19E-13	2.05E-06	5.11E-15	1.98E-14	5.49E-02
437.95995	19.77	12.66	16.59	16.54	15.98	4.92E-30	7.77E-15	8.88E-15	4.35E-14	9.98E-01	3.03E-01	3.81E-01
437.97234	48.82	14.59	16.61	18.01	17.27	2.35E-18	1.96E-07	4.26E-14	1.50E-11	6.62E-04	2.82E-01	1.81E-01
437.99319	30.96	10.66	13.15	14.13	12.20	9.57E-31	4.24E-14	5.11E-15	7.39E-08	1.24E-03	2.49E-03	3.89E-11
438.07678	32.34	17.12	17.77	17.96	17.30	7.95E-09	4.45E-05	4.30E-08	5.77E-01	5.32E-01	1.16E-02	8.12E-05
438.13511	17.31	14.04	17.74	12.17	12.78	7.13E-101	5.11E-15	5.11E-15	6.26E-14	5.11E-15	5.11E-15	4.71E-04
438.24624	198.96	16.68	16.35	16.69	17.16	6.40E-02	6.40E-01	1.00E+00	3.44E-01	6.35E-01	3.35E-02	3.78E-01
438.26687	189.18	17.59	17.39	17.76	17.37	1.10E-01	6.61E-01	7.74E-01	5.91E-01	1.72E-01	9.99E-01	1.44E-01
438.2947	235.67	22.06	22.03	21.98	21.33	2.90E-03	9.99E-01	9.76E-01	4.18E-03	9.95E-01	9.19E-03	1.78E-02
438.77228	85.42	13.27	14.13	14.94	14.69	1.48E-12	6.96E-04	3.95E-12	9.94E-09	2.34E-03	7.78E-02	7.12E-01
438.78217	76.53	14.51	11.99	13.45	14.04	1.53E-20	3.70E-14	7.46E-05	2.23E-01	4.02E-08	1.95E-13	9.05E-02
438.7915	55.12	15.79	14.58	17.20	16.80	5.43E-33	2.13E-09	2.38E-12	1.59E-06	5.11E-15	1.64E-14	1.54E-01
438.81318	49.19	19.57	18.95	19.98	19.84	1.28E-16	4.65E-07	1.41E-03	8.28E-02	4.31E-14	5.39E-12	6.36E-01
438.82319	39.09	19.51	19.58	19.87	20.10	6.71E-06	9.34E-01	1.49E-02	1.43E-05	8.99E-02	2.78E-04	2.35E-01
438.84259	102.22	14.15	10.82	12.91	13.66	1.38E-11	1.29E-11	2.94E-02	7.18E-01	4.31E-05	4.01E-08	3.78E-01
438.8657	112.43	16.56	13.55	13.93	14.67	1.31E-31	5.11E-15	1.02E-14	2.24E-13	3.60E-01	2.68E-05	1.01E-02
438.88686	35.97	20.16	22.05	21.71	21.69	9.71E-26	1.40E-14	4.33E-14	4.44E-14	1.79E-01	1.62E-01	9.99E-01
438.94426	38.99	15.42	17.22	16.76	17.23	2.23E-10	7.35E-09	1.88E-05	1.31E-08	3.93E-01	1.00E+00	3.84E-01
439.05401	33.57	15.14	17.65	14.80	14.59	4.49E-29	3.92E-14	4.83E-01	1.26E-01	1.53E-14	7.77E-15	8.51E-01
439.06982	25.37	17.23	16.86	16.97	16.97	1.27E-01	9.63E-02	3.72E-01	3.90E-01	8.94E-01	9.12E-01	1.00E+00
439.08707	20.81	14.97	17.53	17.35	17.18	3.16E-24	3.71E-14	4.24E-14	4.24E-14	8.79E-01	5.15E-01	9.11E-01
439.16792	231.45	15.57	13.25	14.68	15.05	2.12E-08	6.65E-09	7.02E-02	5.03E-01	8.64E-04	2.99E-05	7.75E-01
439.22579	168.41	15.14	12.54	12.15	13.26	2.89E-27	3.97E-14	6.66E-15	1.78E-11	4.12E-01	3.40E-02	1.73E-04
439.24505	231.82	17.26	16.47	17.15	17.81	7.02E-08	6.36E-04	9.44E-01	4.39E-02	5.82E-03	9.66E-09	1.11E-02
439.26909	201.12	18.16	17.98	18.14	17.92	7.56E-01	8.93E-01	1.00E+00	7.99E-01	9.27E-01	9.97E-01	8.47E-01
439.29853	229.59	18.89	18.80	18.74	18.01	9.64E-03	9.87E-01	9.43E-01	9.32E-03	9.96E-01	3.07E-02	5.13E-02
439.30715	243.05	20.74	20.73	20.79	20.34	2.73E-01	1.00E+00	9.96E-01	3.73E-01	9.94E-01	4.16E-01	2.77E-01
439.81219	61.84	12.53	10.56	13.22	12.76	8.76E-06	1.21E-03	5.44E-01	9.74E-01	7.50E-06	5.27E-04	8.34E-01
439.89021	39.54	15.83	17.98	17.72	17.57	3.71E-24	3.09E-14	4.32E-14	5.51E-14	5.66E-01	1.99E-01	8.84E-01
439.92123	22.06	13.98	14.78	14.92	15.09	3.65E-02	2.01E-01	9.27E-02	3.97E-02	9.87E-01	8.84E-01	9.76E-01
439.97025	60.4	12.44	12.22	13.64	14.23	1.66E-10	8.83E-01	5.27E-04	1.82E-07	4.41E-05	1.04E-08	2.48E-01
440.04028	27.01	13.47	14.31	12.88	13.01	4.09E-04	7.75E-02	3.22E-01	5.66E-01	4.55E-04	2.64E-03	9.86E-01
440.31061	243.86	18.54	18.51	18.63	18.05	1.89E-01	1.00E+00	9.89E-01	2.89E-01	9.76E-01	3.67E-01	1.76E-01
440.7519	76.86	11.67	12.97	14.67	13.44	1.97E-14	1.03E-03	4.31E-14	5.47E-06	1.21E-05	5.62E-01	3.78E-03
440.76148	76.68	10.54	10.24	13.28	13.00	1.16E-13	9.03E-01	1.08E-08	8.50E-07	7.13E-10	6.66E-08	9.29E-01
440.80662	55.91	16.42	15.16	16.21	16.02	3.10E-16	4.26E-14	4.40E-01	2.56E-02	1.47E-11	1.15E-07	5.25E-01
440.82728	44.15	17.24	17.78	16.75	17.41	1.01E-01	5.46E-01	6.06E-01	9.77E-01	6.29E-02	8.24E-01	3.99E-01

440.88365	43.91	17.63	17.65	17.29	17.24	5.06E-02	1.00E+00	2.39E-01	1.57E-01	2.18E-01	1.44E-01	9.93E-01
440.90249	41.7	19.55	21.75	21.47	21.38	3.51E-32	5.11E-15	1.40E-14	3.55E-14	3.57E-01	1.71E-01	9.66E-01
440.98584	74.1	13.80	15.52	11.79	12.53	2.12E-66	1.15E-14	5.11E-15	8.82E-14	5.11E-15	5.11E-15	1.73E-05
441.06642	24.86	15.14	14.25	14.41	14.37	3.03E-02	3.65E-02	1.10E-01	1.01E-01	9.68E-01	9.88E-01	9.99E-01
441.14577	87.16	13.78	13.28	15.54	15.50	6.80E-14	4.00E-01	3.75E-07	1.65E-06	2.12E-10	1.42E-09	1.00E+00
441.25123	164.82	17.10	16.89	16.54	17.67	9.70E-08	6.38E-01	8.64E-03	8.62E-03	2.13E-01	2.00E-04	2.03E-08
441.25413	290.2	10.87	17.09	16.88	13.45	3.57E-39	5.11E-15	5.11E-15	9.42E-08	9.65E-01	3.57E-13	3.70E-12
441.26321	261.95	20.79	22.01	22.01	22.03	8.47E-16	5.45E-12	3.31E-12	8.77E-12	1.00E+00	9.99E-01	1.00E+00
441.27833	254.87	17.73	17.48	17.14	17.38	2.09E-01	8.02E-01	1.44E-01	6.12E-01	6.34E-01	9.87E-01	8.43E-01
441.2797	172.14	14.04	13.76	13.92	12.94	1.34E-03	7.58E-01	9.72E-01	1.11E-03	9.48E-01	3.23E-02	6.06E-03
441.32305	256.96	18.34	17.62	17.59	17.47	1.37E-04	3.26E-03	1.82E-03	3.80E-04	9.99E-01	9.15E-01	9.51E-01
441.89523	32.51	13.68	14.82	15.05	13.75	2.66E-07	4.20E-04	1.03E-05	9.95E-01	8.50E-01	2.17E-03	8.91E-05
441.90598	41.96	14.85	17.39	17.02	16.97	2.04E-27	9.33E-15	4.29E-14	4.37E-14	3.42E-01	2.50E-01	9.95E-01
442.01811	19.86	17.93	21.62	21.37	21.21	8.24E-51	5.11E-15	5.11E-15	5.11E-15	6.44E-01	2.46E-01	8.82E-01
442.08936	77.09	13.96	13.89	15.08	15.03	1.06E-08	9.90E-01	1.49E-05	6.73E-05	7.15E-06	3.24E-05	9.98E-01
442.25626	162.56	14.39	13.92	13.18	15.00	5.14E-08	3.33E-01	1.31E-04	1.57E-01	5.46E-02	1.93E-03	2.04E-08
442.26624	286.47	17.72	18.71	18.55	19.06	9.70E-15	2.85E-09	5.69E-07	5.55E-14	7.32E-01	1.41E-01	9.33E-03
442.29977	189.62	14.78	13.37	13.77	13.61	1.64E-05	1.80E-05	3.37E-03	8.58E-04	5.53E-01	8.60E-01	9.61E-01
442.76156	73.61	18.54	19.01	19.41	18.85	3.99E-10	9.63E-04	5.33E-11	7.14E-02	7.29E-03	5.97E-01	8.82E-05
442.82055	69.92	18.12	16.71	17.04	16.72	3.69E-21	4.24E-14	8.76E-12	4.24E-14	1.24E-01	1.00E+00	1.60E-01
442.8414	42.93	20.62	20.21	20.49	20.57	9.01E-02	7.53E-02	8.57E-01	9.91E-01	3.77E-01	1.86E-01	9.67E-01
442.87495	39.56	13.61	13.68	13.82	12.92	2.79E-01	9.99E-01	9.68E-01	4.74E-01	9.91E-01	4.13E-01	2.53E-01
442.89808	35.64	17.24	19.51	19.49	19.55	4.81E-41	5.11E-15	5.11E-15	5.11E-15	1.00E+00	9.95E-01	9.89E-01
442.95684	45.59	15.92	14.60	14.97	15.21	1.11E-02	6.22E-03	8.38E-02	3.17E-01	7.94E-01	4.67E-01	9.41E-01
443.05275	22.49	11.86	14.96	15.63	13.92	4.67E-35	7.55E-15	5.11E-15	1.74E-12	5.67E-02	1.12E-03	9.76E-09
443.26034	276.11	18.97	20.16	20.13	20.45	2.96E-19	8.87E-13	1.74E-12	4.42E-14	9.98E-01	2.75E-01	1.93E-01
443.30196	212.96	16.08	16.34	16.07	16.03	7.10E-01	7.96E-01	1.00E+00	9.98E-01	7.82E-01	7.29E-01	9.99E-01
443.33824	283.52	18.28	16.77	16.78	17.08	6.07E-08	8.96E-07	9.09E-07	2.36E-04	1.00E+00	7.08E-01	7.33E-01
443.8431	62.8	15.75	14.84	14.65	14.77	6.96E-07	1.50E-04	2.53E-06	6.14E-05	8.31E-01	9.89E-01	9.56E-01
443.87968	33.41	16.73	16.09	16.79	15.51	1.91E-02	4.64E-01	9.99E-01	3.65E-02	4.01E-01	5.96E-01	2.94E-02
443.90027	37.48	13.05	12.96	11.96	14.45	5.85E-14	9.88E-01	3.94E-04	6.15E-06	2.04E-03	2.74E-06	4.73E-14
443.97969	31.08	11.91	12.95	14.95	11.68	1.71E-13	6.06E-02	1.88E-11	9.50E-01	2.64E-05	2.09E-02	8.24E-12
444.02335	19.79	17.28	19.74	18.80	18.48	1.66E-19	3.69E-14	1.71E-09	6.28E-06	5.95E-04	3.47E-06	5.42E-01
444.03409	19.47	17.41	21.38	20.46	19.75	3.56E-28	5.11E-15	4.13E-14	1.83E-11	1.98E-02	7.19E-06	1.31E-01
444.26343	290.08	16.65	16.92	16.80	17.18	1.31E-01	6.20E-01	9.02E-01	8.98E-02	9.54E-01	6.66E-01	3.49E-01
444.29703	190.7	15.65	15.50	15.19	15.89	4.99E-08	5.28E-01	1.68E-04	1.17E-01	2.68E-02	3.61E-03	1.34E-08
444.31585	192.35	16.83	16.68	16.75	16.22	6.63E-04	7.31E-01	9.44E-01	4.91E-04	9.66E-01	2.02E-02	4.46E-03
444.33362	190.17	16.01	20.58	20.55	19.17	1.08E-37	5.11E-15	5.11E-15	4.22E-14	1.00E+00	2.55E-04	3.07E-04
444.75972	74.95	16.36	17.50	17.75	17.08	4.34E-24	4.37E-14	1.64E-14	1.89E-07	1.89E-01	8.44E-03	2.87E-06
444.77735	72.73	18.80	19.64	19.98	19.22	1.15E-20	1.43E-11	3.77E-14	2.00E-03	1.93E-02	2.98E-03	5.38E-09
444.81751	85.46	13.58	12.67	12.94	12.67	7.73E-02	1.01E-01	3.58E-01	1.16E-01	9.12E-01	1.00E+00	9.18E-01
444.8352	39.79	18.10	18.01	18.74	18.13	4.39E-09	8.48E-01	6.47E-07	9.95E-01	2.40E-08	7.45E-01	8.19E-06
444.89217	36.93	15.94	17.22	17.14	16.97	4.27E-21	4.43E-14	4.37E-14	4.22E-12	9.37E-01	2.58E-01	5.72E-01
444.91535	48.59	18.29	17.89	18.17	18.18	3.26E-01	2.62E-01	9.50E-01	9.58E-01	5.81E-01	6.01E-01	1.00E+00
444.9346	49.16	16.89	18.56	18.86	18.39	8.90E-32	1.98E-14	5.11E-15	4.39E-14	2.10E-01	7.07E-01	1.66E-02

444.96633	25.41	12.15	16.21	15.71	15.22	4.40E-27	9.55E-15	3.89E-14	4.77E-14	4.83E-01	3.24E-02	5.13E-01
444.97349	23.19	16.79	19.98	19.89	19.49	7.00E-31	6.00E-15	7.33E-15	4.20E-14	9.87E-01	2.80E-01	4.54E-01
445.00834	18.28	16.37	19.84	19.66	18.72	2.90E-22	4.32E-14	4.42E-14	8.87E-10	9.55E-01	1.04E-02	4.16E-02
445.03743	19.01	13.69	17.58	15.61	15.22	2.36E-15	4.42E-14	4.19E-05	2.68E-03	4.07E-05	1.46E-06	8.16E-01
445.0562	31.38	18.96	22.35	20.60	20.30	3.72E-62	5.11E-15	7.33E-15	4.44E-14	5.33E-15	5.11E-15	1.68E-01
445.08253	30.81	7.43	15.56	7.10	7.47	1.36E-100	5.11E-15	5.12E-01	9.98E-01	5.11E-15	5.11E-15	4.48E-01
445.18744	168.05	13.90	13.65	14.02	13.54	7.88E-02	5.75E-01	9.26E-01	2.88E-01	2.50E-01	9.56E-01	9.52E-02
445.25979	223.94	12.78	14.78	15.36	15.14	4.81E-12	5.32E-07	6.03E-11	7.63E-09	4.05E-01	7.92E-01	9.36E-01
445.28124	156.93	14.39	13.61	13.33	14.15	2.02E-03	4.72E-02	2.46E-03	8.69E-01	8.01E-01	3.12E-01	4.52E-02
445.31774	265.9	17.59	16.99	16.67	16.70	3.29E-09	6.50E-04	2.17E-08	2.34E-07	1.51E-01	2.70E-01	9.95E-01
445.33571	199.59	13.97	18.60	18.59	17.56	1.41E-98	5.11E-15	5.11E-15	5.11E-15	1.00E+00	7.13E-11	6.04E-11
445.78068	79.88	11.45	12.78	13.03	12.61	1.41E-06	1.02E-04	1.96E-06	1.38E-03	8.50E-01	9.51E-01	5.46E-01
445.9105	37.38	14.29	14.06	15.11	14.08	7.42E-02	9.56E-01	2.42E-01	9.65E-01	9.60E-02	1.00E+00	1.16E-01
446.01111	17.34	12.25	16.04	15.89	14.88	3.22E-23	4.06E-14	4.13E-14	1.32E-10	9.79E-01	1.55E-02	4.31E-02
446.0651	53.22	13.82	18.74	11.88	12.54	1.42E-158	5.11E-15	5.11E-15	5.11E-15	5.11E-15	5.11E-15	5.69E-10
446.19982	163.66	10.58	11.33	11.91	10.44	1.40E-04	1.40E-01	9.47E-04	9.80E-01	3.75E-01	7.66E-02	4.81E-04
446.31275	206.11	15.56	15.90	15.52	16.24	1.40E-03	2.90E-01	9.97E-01	4.23E-03	2.18E-01	3.58E-01	2.75E-03
446.32104	219.89	15.19	15.51	14.79	15.06	6.61E-01	9.40E-01	8.91E-01	9.96E-01	5.92E-01	8.74E-01	9.67E-01
446.33146	204.76	16.65	16.40	16.31	16.00	5.09E-03	4.94E-01	1.95E-01	1.91E-03	9.47E-01	1.25E-01	3.33E-01
446.33884	194.84	12.50	14.47	13.90	13.01	5.55E-14	2.93E-13	1.40E-07	1.74E-01	1.02E-01	2.60E-07	3.36E-03
446.76804	82.7	15.39	12.44	13.77	14.50	7.20E-22	2.20E-14	1.39E-08	5.63E-03	9.26E-06	1.80E-11	4.40E-02
446.77593	67.91	16.15	17.11	17.76	16.91	3.47E-23	1.74E-10	9.33E-15	1.08E-06	3.69E-05	5.00E-01	6.99E-08
446.80779	86.33	14.46	14.97	15.37	15.51	2.47E-06	6.06E-02	6.31E-05	6.11E-06	2.26E-01	6.14E-02	9.10E-01
446.82936	39.29	15.80	15.52	16.32	15.14	5.21E-12	2.21E-01	2.20E-03	7.83E-05	1.12E-06	6.11E-02	1.70E-12
446.85285	148.98	16.79	14.35	14.11	15.40	8.05E-33	6.66E-15	5.11E-15	7.20E-10	6.30E-01	9.29E-06	2.21E-08
446.87361	51.76	20.31	20.62	21.12	21.08	9.53E-22	1.17E-03	4.21E-14	4.44E-14	6.87E-08	1.80E-06	9.68E-01
446.91194	46.08	15.11	12.09	13.41	13.20	3.20E-04	9.71E-05	6.26E-02	3.57E-02	2.36E-01	4.19E-01	9.91E-01
446.97176	43.36	15.30	15.68	15.62	16.27	1.54E-04	2.43E-01	4.00E-01	3.80E-05	9.89E-01	3.50E-02	1.35E-02
446.99909	66.65	15.01	18.92	13.72	14.11	1.80E-150	5.11E-15	5.11E-15	1.98E-14	5.11E-15	5.11E-15	2.75E-05
447.02072	33.58	13.40	16.44	14.86	14.61	4.77E-23	8.88E-15	1.90E-07	4.04E-05	3.36E-08	6.84E-10	7.99E-01
447.0607	29.08	16.00	18.70	18.26	17.97	2.58E-41	5.11E-15	5.11E-15	1.35E-14	4.77E-02	2.84E-04	3.61E-01
447.13518	30.75	14.97	15.91	15.11	15.86	7.65E-08	5.51E-06	8.63E-01	3.34E-05	2.35E-04	9.94E-01	9.75E-04
447.16663	160.86	13.80	13.67	13.72	13.76	9.44E-01	9.31E-01	9.81E-01	9.97E-01	9.96E-01	9.83E-01	9.99E-01
447.17741	71.82	14.65	11.39	14.62	15.84	2.72E-18	1.02E-11	1.00E+00	4.02E-02	3.78E-11	4.24E-14	3.86E-02
447.27451	228.53	22.97	23.22	23.47	23.07	3.61E-01	8.32E-01	3.15E-01	9.89E-01	8.34E-01	9.61E-01	5.53E-01
447.87694	51.14	15.97	15.93	16.52	16.49	2.23E-09	9.89E-01	4.22E-06	3.99E-05	1.98E-06	1.87E-05	9.89E-01
448.00475	96.71	14.54	16.85	16.66	16.17	9.72E-13	1.72E-11	4.51E-10	4.61E-06	9.30E-01	1.68E-01	4.45E-01
448.01887	26.42	14.62	16.22	15.98	15.53	2.56E-13	1.09E-12	9.03E-10	1.17E-04	6.45E-01	8.33E-03	1.59E-01
448.04461	17.83	16.52	19.69	19.18	18.32	6.01E-21	4.09E-14	4.61E-14	2.05E-07	3.57E-01	1.95E-04	4.05E-02
448.06686	26.52	14.19	14.50	14.99	15.73	1.03E-03	8.43E-01	1.50E-01	6.27E-04	5.95E-01	1.35E-02	2.49E-01
448.09376	20.91	13.53	15.74	15.90	14.30	2.55E-24	4.20E-14	3.69E-14	6.04E-03	8.90E-01	5.39E-08	8.79E-10
448.24088	185.71	17.05	16.08	16.22	14.66	2.18E-11	7.99E-03	2.80E-02	1.76E-12	9.73E-01	6.16E-05	7.86E-06
448.27939	232.92	21.28	21.27	21.53	21.31	5.75E-01	1.00E+00	6.26E-01	9.99E-01	6.17E-01	9.99E-01	7.34E-01
448.74372	189.56	16.21	14.43	14.76	14.65	9.60E-19	4.24E-14	3.52E-12	6.85E-13	3.39E-01	6.91E-01	9.52E-01
448.7665	84.27	15.52	13.15	14.80	14.93	4.00E-31	5.11E-15	1.42E-04	4.06E-03	4.34E-14	4.07E-14	8.87E-01

448.78639	71.02	16.40	14.37	16.45	16.49	9.63E-32	7.33E-15	9.93E-01	9.59E-01	7.11E-15	7.77E-15	9.96E-01
448.81133	54.5	18.35	17.87	19.14	18.91	3.20E-22	3.27E-04	6.13E-10	3.04E-05	3.75E-14	7.11E-14	2.54E-01
448.83186	54.25	21.21	21.91	22.64	22.43	1.14E-40	9.93E-13	5.11E-15	5.11E-15	5.22E-13	5.10E-07	1.27E-01
448.84756	48.94	16.63	15.41	17.70	16.98	1.89E-31	1.72E-12	2.85E-10	1.31E-01	5.11E-15	4.11E-14	9.22E-05
448.87071	45.2	18.08	18.15	18.58	18.62	2.85E-09	8.76E-01	2.39E-06	1.01E-06	1.28E-04	5.36E-05	9.85E-01
448.92295	26.65	17.00	17.24	16.92	17.38	1.16E-02	3.66E-01	9.40E-01	6.34E-02	1.41E-01	8.13E-01	1.63E-02
448.96032	37.16	15.16	13.90	14.70	14.58	5.07E-05	1.07E-05	2.69E-01	1.25E-01	1.38E-02	6.17E-02	9.71E-01
448.99584	48.83	14.76	16.87	16.87	16.22	2.36E-15	6.30E-13	4.33E-13	1.21E-06	1.00E+00	9.80E-02	9.55E-02
449.04775	20.61	11.92	14.59	13.29	13.16	3.31E-08	3.19E-09	5.09E-03	1.85E-02	1.13E-02	6.27E-03	9.92E-01
449.09833	27.73	16.24	16.30	16.46	15.52	2.36E-08	9.77E-01	4.40E-01	1.77E-05	7.19E-01	5.41E-06	2.50E-08
449.10955	20.92	13.18	15.98	15.60	15.34	6.93E-17	4.46E-14	2.76E-12	1.51E-09	6.41E-01	2.22E-01	8.60E-01
449.1953	24.23	13.92	13.39	14.41	15.83	2.20E-05	6.67E-01	7.22E-01	6.50E-04	1.47E-01	1.09E-05	2.35E-02
449.24909	192.19	15.05	13.17	14.08	13.34	2.76E-05	4.88E-05	8.65E-02	4.23E-04	1.33E-01	9.79E-01	3.14E-01
449.27631	203.15	18.64	18.25	18.84	18.61	4.71E-02	2.15E-01	7.77E-01	9.98E-01	2.64E-02	3.43E-01	7.07E-01
449.2769	275.99	15.13	10.92	13.13	15.72	5.33E-14	5.70E-11	3.79E-03	7.56E-01	1.49E-03	1.65E-12	1.97E-04
449.29172	234.81	21.05	21.67	21.49	20.73	3.28E-03	8.57E-02	3.22E-01	6.30E-01	9.10E-01	4.25E-03	2.91E-02
449.32259	268.08	16.80	17.95	17.72	17.42	3.76E-05	2.80E-05	1.19E-03	7.07E-02	7.85E-01	1.68E-01	6.48E-01
449.75153	194.52	14.46	14.63	14.12	13.18	5.20E-04	9.61E-01	7.44E-01	2.09E-03	4.62E-01	5.30E-04	4.97E-02
449.83541	47.17	16.96	17.51	18.47	18.18	9.84E-37	9.59E-07	5.11E-15	1.09E-14	4.35E-14	1.40E-08	3.78E-02
449.90797	33.54	16.39	17.36	17.14	16.79	2.56E-16	4.34E-14	1.97E-10	1.86E-03	1.77E-01	7.44E-06	1.41E-02
449.91812	35.56	15.21	18.00	18.14	17.37	3.15E-47	5.11E-15	5.11E-15	6.00E-15	8.35E-01	3.21E-03	1.25E-04
449.99358	52.07	14.95	17.72	18.40	17.24	1.89E-35	9.33E-15	5.11E-15	4.37E-14	2.54E-02	2.14E-01	2.42E-05
450.01048	26.2	9.93	13.02	14.60	11.55	2.85E-27	9.46E-14	5.33E-15	1.81E-04	2.38E-04	1.21E-03	9.21E-13
450.14048	25.78	14.78	15.57	16.24	15.60	6.83E-08	4.41E-03	7.85E-09	4.06E-03	2.68E-02	1.00E+00	4.36E-02
450.26327	189.18	21.82	21.46	21.44	20.82	6.46E-11	3.05E-02	1.49E-02	5.28E-12	9.96E-01	2.08E-05	4.39E-05
450.28669	213.86	15.95	15.05	15.47	16.31	9.11E-06	1.36E-03	1.89E-01	4.80E-01	3.19E-01	9.37E-06	6.07E-03
450.29619	241.02	19.05	19.56	19.34	18.58	5.59E-03	2.33E-01	7.01E-01	3.24E-01	8.52E-01	3.68E-03	3.75E-02
450.7828	42.79	13.60	7.54	11.28	12.39	5.18E-31	5.11E-15	1.16E-06	3.75E-02	7.93E-14	3.69E-14	7.20E-02
450.79048	60.43	16.36	15.55	17.65	17.18	6.39E-37	5.58E-08	4.27E-14	7.96E-08	5.11E-15	1.62E-14	5.02E-03
450.80727	81.16	17.43	15.42	16.80	16.73	1.69E-24	6.66E-15	8.04E-04	2.67E-04	2.00E-13	1.01E-11	9.77E-01
450.83065	45.03	19.60	19.98	20.81	20.63	7.99E-36	1.14E-04	5.11E-15	1.22E-14	4.44E-14	6.37E-11	1.71E-01
450.89933	19.44	12.20	14.32	15.14	14.56	9.25E-27	4.62E-14	6.22E-15	4.22E-14	6.47E-03	7.89E-01	1.09E-01
450.91968	28.3	15.22	14.66	14.32	15.15	7.55E-04	1.02E-01	1.24E-03	9.91E-01	5.01E-01	2.38E-01	6.90E-03
450.93382	67.91	10.38	11.24	15.02	15.10	9.72E-31	1.65E-01	2.00E-14	2.58E-14	4.47E-14	4.60E-14	9.98E-01
450.94336	24.29	15.33	17.35	17.65	17.21	2.82E-15	7.64E-11	1.09E-13	3.29E-09	7.19E-01	9.68E-01	4.45E-01
451.00648	62.61	10.84	15.91	9.15	9.51	1.71E-83	5.11E-15	6.00E-12	1.61E-07	5.11E-15	5.11E-15	4.31E-01
451.05029	17.88	13.55	13.85	14.06	15.43	1.32E-04	8.92E-01	6.03E-01	8.23E-05	9.58E-01	1.87E-03	8.89E-03
451.11761	19.52	11.73	13.95	13.27	13.05	4.18E-07	1.30E-07	3.98E-04	4.93E-03	2.98E-01	1.18E-01	9.49E-01
451.12748	20.91	16.58	18.55	18.49	17.93	5.62E-16	1.35E-13	2.89E-13	6.13E-07	9.96E-01	6.84E-02	1.10E-01
451.26518	192.64	19.53	19.18	19.21	18.53	6.26E-09	8.18E-02	1.26E-01	8.74E-10	9.97E-01	1.63E-04	6.03E-05
451.29232	251.53	24.32	23.03	22.86	22.92	1.72E-25	4.44E-14	3.29E-14	4.25E-14	6.37E-01	8.74E-01	9.79E-01
451.307	254.37	21.12	21.49	21.35	20.80	1.11E-01	5.37E-01	8.36E-01	6.95E-01	9.59E-01	9.37E-02	2.46E-01
451.8331	56.05	14.68	14.64	15.80	15.61	7.53E-20	9.87E-01	8.39E-14	1.26E-09	6.75E-14	5.76E-10	5.05E-01
451.92794	54.28	17.33	18.40	18.71	18.06	4.54E-19	2.50E-12	4.33E-14	3.77E-06	1.32E-01	9.55E-02	7.28E-05
452.05067	20.34	16.02	18.47	18.48	18.07	5.57E-28	1.89E-14	1.53E-14	4.29E-14	1.00E+00	2.92E-01	2.61E-01

452.13916	23.05	18.10	20.04	18.85	18.56	5.31E-16	4.22E-14	2.17E-03	1.45E-01	4.81E-07	1.15E-09	5.51E-01
452.26737	193.73	15.47	14.09	14.23	13.79	8.11E-07	7.62E-05	4.20E-04	1.78E-06	9.70E-01	7.98E-01	5.28E-01
452.27896	207.49	25.09	25.60	25.60	25.14	2.77E-07	4.03E-05	4.09E-05	9.70E-01	1.00E+00	6.43E-04	6.70E-04
452.29527	236.6	22.17	21.57	21.60	21.27	2.43E-08	1.27E-04	3.00E-04	9.58E-09	9.95E-01	1.86E-01	1.08E-01
452.3102	254.48	19.18	19.44	19.24	18.89	2.93E-01	7.58E-01	9.95E-01	7.31E-01	8.85E-01	2.16E-01	6.01E-01
452.788	52.41	13.42	12.10	15.10	14.30	8.04E-09	2.00E-02	1.38E-03	2.40E-01	3.47E-09	4.24E-05	3.32E-01
452.80519	86.52	14.31	12.65	13.82	13.84	2.62E-06	7.81E-07	3.55E-01	4.30E-01	1.29E-03	1.56E-03	1.00E+00
452.8262	55.15	16.64	15.94	17.19	17.01	3.14E-27	1.35E-10	3.63E-07	1.85E-03	5.77E-15	4.17E-14	3.10E-01
452.83983	49.88	15.48	12.02	13.52	14.26	2.46E-15	4.46E-14	2.45E-06	1.11E-02	8.70E-04	3.78E-07	2.36E-01
452.87804	37.79	14.87	16.10	15.43	14.42	2.47E-05	1.62E-03	3.27E-01	5.51E-01	2.05E-01	1.91E-05	2.10E-02
452.90284	36.73	17.64	18.95	18.61	18.79	2.56E-12	1.96E-11	6.27E-07	8.75E-09	2.35E-01	8.31E-01	7.57E-01
452.92363	41.85	17.76	20.57	20.42	20.43	2.33E-23	4.35E-14	4.33E-14	4.26E-14	9.48E-01	9.67E-01	1.00E+00
452.94981	57.86	13.19	12.49	15.01	15.31	8.52E-20	9.32E-02	2.81E-08	3.83E-10	1.55E-13	4.46E-14	7.70E-01
452.98397	35.06	11.09	13.87	14.98	13.04	6.11E-11	2.46E-06	1.86E-11	2.40E-03	1.71E-01	4.58E-01	3.29E-03
453.00689	68.02	16.95	18.70	16.35	16.47	1.13E-88	5.11E-15	1.18E-13	3.84E-09	5.11E-15	5.11E-15	4.40E-01
453.07481	23.71	17.76	18.07	17.73	17.47	1.42E-01	5.63E-01	9.99E-01	6.54E-01	5.00E-01	8.80E-02	7.42E-01
453.14251	23.09	14.41	16.07	14.00	14.34	1.13E-07	2.87E-05	6.31E-01	9.97E-01	1.75E-07	3.55E-05	7.87E-01
453.16658	203.42	12.12	12.68	14.48	14.51	6.78E-16	2.92E-01	5.24E-12	1.46E-11	3.08E-07	4.91E-07	1.00E+00
453.2852	222.88	22.98	23.44	23.35	22.94	5.11E-05	1.39E-03	1.18E-02	9.91E-01	9.16E-01	9.84E-04	7.96E-03
453.29738	263.6	17.25	17.24	17.51	17.48	4.73E-01	1.00E+00	6.29E-01	7.17E-01	6.27E-01	7.12E-01	1.00E+00
453.91666	31.68	12.92	13.16	14.03	13.27	1.08E-02	8.92E-01	6.55E-03	7.51E-01	6.46E-02	9.91E-01	1.47E-01
453.92728	45.2	13.35	15.89	15.33	16.08	1.74E-16	4.35E-13	8.80E-09	7.44E-14	3.15E-01	9.36E-01	1.08E-01
453.94662	62.47	13.84	14.54	16.84	16.33	1.77E-24	6.56E-02	3.24E-14	5.06E-14	3.67E-13	3.55E-08	3.07E-01
454.00936	33.35	14.15	18.29	18.43	17.03	5.65E-58	5.11E-15	5.11E-15	5.11E-15	9.13E-01	3.00E-07	7.86E-09
454.05004	32.9	16.27	16.53	17.04	16.24	5.69E-02	8.41E-01	7.30E-02	1.00E+00	4.06E-01	8.17E-01	7.97E-02
454.07482	22.33	14.64	17.44	17.25	16.68	2.21E-35	5.11E-15	5.11E-15	4.29E-14	7.92E-01	2.25E-03	3.48E-02
454.2365	185.54	11.98	10.32	10.85	14.15	7.57E-40	2.73E-11	5.27E-06	4.24E-14	1.10E-01	5.11E-15	5.11E-15
454.29139	288.58	16.16	16.66	16.79	16.81	2.01E-03	4.08E-02	5.15E-03	5.28E-03	9.18E-01	8.86E-01	1.00E+00
454.31824	252.66	16.90	16.08	16.22	16.07	4.20E-03	1.02E-02	4.49E-02	1.08E-02	9.52E-01	1.00E+00	9.40E-01
454.77778	53.53	14.90	11.29	14.07	14.27	1.91E-48	5.11E-15	1.02E-04	8.74E-03	5.11E-15	5.11E-15	7.32E-01
454.78875	50.55	13.81	13.79	14.98	15.21	3.95E-05	1.00E+00	6.61E-03	1.04E-03	7.45E-03	1.24E-03	9.22E-01
454.79786	44.15	19.14	18.37	19.48	19.69	2.98E-25	1.10E-10	7.21E-03	7.26E-06	4.15E-14	1.29E-14	2.69E-01
454.81758	91.8	14.32	12.77	15.05	14.25	1.31E-14	2.33E-08	2.25E-02	9.94E-01	4.57E-14	4.61E-07	1.65E-02
454.83993	75.07	18.04	16.12	17.13	16.86	7.33E-29	5.11E-15	3.60E-09	2.23E-13	1.33E-10	7.24E-06	2.53E-01
454.86089	38.3	21.44	22.86	22.64	22.58	8.54E-26	1.55E-14	4.33E-14	4.40E-14	2.94E-01	1.39E-01	9.69E-01
454.9008	43.53	14.89	10.90	11.28	11.86	6.78E-22	4.33E-14	4.15E-14	6.38E-12	7.73E-01	9.60E-02	4.96E-01
454.91834	42.04	17.63	19.12	18.94	19.06	6.43E-21	4.46E-14	6.82E-14	4.24E-14	6.73E-01	9.80E-01	8.95E-01
454.97748	19.4	13.86	14.67	14.64	15.67	1.32E-03	2.37E-01	2.61E-01	3.51E-04	1.00E+00	1.29E-01	1.07E-01
455.00345	44.65	12.11	13.96	12.57	11.34	7.68E-15	2.71E-09	3.62E-01	4.11E-02	1.64E-05	4.69E-14	2.66E-04
455.02284	60.61	12.34	20.16	9.88	11.41	1.11E-93	5.11E-15	5.93E-14	1.17E-02	5.11E-15	5.11E-15	5.91E-06
455.07312	25.56	12.57	13.12	13.08	12.25	1.01E-02	2.26E-01	2.69E-01	6.85E-01	9.99E-01	2.19E-02	2.79E-02
455.20342	96.07	15.29	10.76	13.52	14.65	3.05E-25	8.66E-15	2.85E-05	3.59E-01	1.06E-10	4.29E-14	2.59E-02
455.24203	104.79	16.15	13.44	14.50	14.19	8.24E-11	2.99E-11	7.10E-05	3.59E-06	2.73E-02	2.20E-01	8.54E-01
455.26832	170.19	15.19	13.53	13.11	14.72	3.77E-09	1.66E-05	3.02E-08	5.42E-01	6.30E-01	7.01E-03	7.84E-05
455.28432	291.8	13.19	12.99	14.53	15.13	1.05E-06	9.65E-01	8.37E-03	6.79E-05	2.41E-03	1.62E-05	5.21E-01

455.28712	211.47	16.69	17.00	16.94	16.54	2.06E-02	1.94E-01	3.79E-01	8.04E-01	9.79E-01	3.11E-02	7.97E-02
455.31774	85.64	14.18	11.77	11.50	11.84	6.22E-04	5.31E-03	1.28E-03	9.46E-03	9.83E-01	1.00E+00	9.70E-01
455.86433	44.72	17.23	18.80	18.65	18.51	2.07E-41	5.11E-15	5.11E-15	5.77E-15	4.35E-01	3.02E-02	5.45E-01
455.91579	33.54	12.86	15.55	15.43	15.00	3.16E-29	7.55E-15	1.35E-14	4.34E-14	9.47E-01	8.88E-02	2.57E-01
456.02585	64.51	11.38	16.53	9.42	9.86	4.69E-103	5.11E-15	3.49E-14	4.74E-13	5.11E-15	5.11E-15	1.04E-01
456.24124	172.69	14.93	13.73	13.87	13.75	3.59E-05	2.06E-04	1.17E-03	4.16E-04	9.65E-01	1.00E+00	9.79E-01
456.29722	167.17	15.57	17.15	16.83	16.37	2.98E-15	5.13E-14	1.95E-10	1.70E-04	3.37E-01	4.33E-04	7.42E-02
456.33375	272.28	18.63	17.83	17.88	17.83	1.19E-06	1.80E-05	6.93E-05	3.71E-05	9.86E-01	1.00E+00	9.91E-01
456.77685	89.43	14.96	15.04	15.05	14.99	9.34E-01	9.50E-01	9.40E-01	9.96E-01	1.00E+00	9.91E-01	9.88E-01
456.79776	50.46	20.28	19.41	20.09	19.99	5.04E-05	2.28E-05	7.28E-01	4.19E-01	1.93E-03	1.58E-02	9.54E-01
456.81866	85.04	14.70	12.93	13.91	13.47	2.82E-15	4.32E-14	4.17E-04	3.16E-08	1.40E-05	5.18E-02	1.46E-01
456.83711	79.87	14.74	11.58	12.39	12.74	8.40E-22	2.86E-14	1.52E-13	6.70E-10	3.27E-02	1.14E-03	6.69E-01
456.85738	51.82	18.89	19.82	19.64	19.64	5.28E-15	1.02E-13	7.23E-10	2.21E-09	3.90E-01	4.41E-01	1.00E+00
456.87652	44.54	20.78	22.51	22.35	22.23	6.13E-48	5.11E-15	5.11E-15	5.11E-15	4.16E-01	4.13E-02	6.38E-01
456.91352	41.51	15.39	16.30	16.63	16.79	3.86E-10	1.25E-04	6.03E-08	2.86E-09	4.24E-01	1.20E-01	8.75E-01
457.02077	65.26	11.53	16.49	9.82	10.49	2.58E-115	5.11E-15	1.22E-14	4.92E-10	5.11E-15	5.11E-15	1.36E-04
457.23668	135.92	15.49	13.44	14.30	13.01	1.52E-06	8.78E-05	4.92E-02	2.41E-06	2.67E-01	8.13E-01	4.07E-02
457.28141	166.62	13.84	10.36	10.80	12.05	1.67E-16	4.66E-14	2.38E-12	1.04E-04	6.83E-01	3.94E-04	1.53E-02
457.29972	174.35	11.92	14.56	13.74	13.09	1.19E-09	3.78E-10	2.03E-05	1.72E-02	1.52E-01	2.01E-03	3.82E-01
457.31793	245.21	16.93	16.89	17.31	17.30	5.01E-02	9.95E-01	2.01E-01	2.45E-01	1.38E-01	1.72E-01	1.00E+00
457.33342	159.01	14.88	10.33	11.33	10.69	1.99E-13	5.90E-12	5.73E-08	5.58E-10	3.63E-01	9.44E-01	7.34E-01
457.80155	74.2	15.24	13.42	15.18	14.85	1.86E-22	4.07E-14	9.87E-01	1.42E-01	4.32E-14	1.77E-12	2.83E-01
457.86194	50.61	10.75	14.06	13.20	12.86	4.01E-10	2.24E-10	2.52E-06	1.36E-04	2.94E-01	8.05E-02	8.98E-01
457.88007	45.1	16.14	18.36	18.20	18.08	2.32E-39	5.11E-15	5.11E-15	5.33E-15	7.25E-01	2.79E-01	8.57E-01
458.25624	178.65	13.83	12.49	12.76	12.80	1.17E-05	1.41E-05	7.17E-04	1.98E-03	7.74E-01	7.14E-01	9.99E-01
458.26841	196.12	15.04	13.87	14.68	14.54	1.69E-09	2.44E-10	1.27E-01	2.30E-02	2.98E-05	1.09E-03	8.82E-01
458.31304	186.55	18.06	19.86	18.96	18.38	4.78E-18	4.24E-14	1.47E-05	3.40E-01	1.84E-05	7.12E-12	1.89E-02
458.3493	201.21	13.13	16.93	16.98	15.53	7.38E-19	4.42E-14	4.34E-14	6.14E-07	9.99E-01	1.12E-02	7.24E-03
458.34938	297.03	12.90	13.36	14.25	14.24	1.53E-03	6.65E-01	4.82E-03	7.14E-03	1.38E-01	1.61E-01	1.00E+00
458.73573	84.91	16.25	17.69	17.77	17.33	6.27E-22	4.36E-14	4.15E-14	2.22E-10	9.53E-01	1.06E-01	2.73E-02
458.75663	93.89	13.19	13.11	13.61	13.05	3.90E-02	9.79E-01	1.62E-01	9.19E-01	7.83E-02	9.95E-01	4.86E-02
458.79615	67.79	18.61	17.67	18.85	18.48	2.65E-27	4.16E-14	4.46E-02	5.01E-01	5.33E-15	1.11E-13	8.37E-04
458.81397	63.11	20.97	20.91	21.57	21.31	2.67E-16	8.73E-01	1.33E-12	1.45E-04	9.61E-14	1.06E-05	9.02E-03
458.85143	52.96	14.89	10.47	13.79	13.40	2.12E-14	5.04E-14	1.30E-01	2.43E-02	6.43E-09	8.34E-07	8.86E-01
458.87281	38.47	18.60	20.41	20.41	20.36	4.93E-51	5.11E-15	5.11E-15	5.11E-15	1.00E+00	9.84E-01	9.74E-01
458.88958	32.26	15.79	17.04	17.19	16.87	1.88E-09	4.41E-07	9.90E-09	2.71E-05	9.15E-01	8.94E-01	5.32E-01
458.93635	22.11	16.91	17.75	18.09	17.57	2.50E-06	9.17E-04	8.25E-07	1.89E-02	4.26E-01	8.63E-01	1.08E-01
458.94969	20.85	15.54	17.70	17.78	17.74	2.89E-38	5.11E-15	5.11E-15	5.11E-15	9.55E-01	9.93E-01	9.96E-01
459.05619	58.15	12.90	16.64	11.17	11.48	3.87E-94	5.11E-15	2.64E-14	4.46E-14	5.11E-15	5.11E-15	2.45E-01
459.07723	53.4	14.69	17.83	13.31	13.75	2.02E-138	5.11E-15	5.11E-15	7.77E-15	5.11E-15	5.11E-15	6.95E-07
459.20325	183.67	14.50	13.67	13.55	13.24	1.35E-03	5.33E-02	1.76E-02	9.84E-04	9.83E-01	5.72E-01	7.83E-01
459.26163	176.75	14.44	11.34	11.69	12.44	4.68E-18	4.22E-14	1.19E-13	1.35E-07	7.40E-01	1.12E-02	1.42E-01
459.29589	192.25	15.75	15.01	14.81	14.38	6.46E-03	2.21E-01	6.63E-02	3.50E-03	9.54E-01	4.10E-01	7.16E-01
459.31595	185.64	15.95	17.77	16.78	16.11	4.36E-16	4.55E-14	5.12E-04	8.92E-01	2.67E-05	4.87E-12	1.23E-02
459.81746	54.61	16.13	13.87	16.49	16.10	1.76E-44	5.11E-15	7.98E-02	9.97E-01	5.11E-15	5.11E-15	6.78E-02

459.87901	38.32	13.24	14.79	14.89	15.17	4.28E-26	4.43E-14	4.33E-14	1.89E-14	9.38E-01	1.33E-01	3.64E-01
459.9542	30.41	13.04	14.76	15.79	12.46	1.08E-22	4.90E-07	4.34E-14	2.64E-01	7.12E-03	1.48E-10	4.13E-14
460.0194	18.23	15.25	17.90	17.34	16.21	1.30E-14	1.18E-13	1.96E-09	1.89E-02	3.15E-01	7.27E-06	5.15E-03
460.0291	18.48	13.55	18.20	17.71	16.59	6.26E-28	6.88E-15	2.91E-14	2.55E-12	6.00E-01	5.23E-04	2.76E-02
460.28407	204.31	19.96	20.42	20.58	20.25	8.25E-05	4.42E-03	4.39E-05	1.73E-01	6.75E-01	6.09E-01	9.31E-02
460.32869	211.73	18.99	20.80	19.45	18.99	2.73E-18	4.33E-14	9.64E-02	1.00E+00	9.89E-10	4.92E-14	1.22E-01
460.7339	75.24	14.34	15.43	15.67	14.84	3.32E-10	9.21E-07	9.40E-10	7.15E-02	6.23E-01	3.16E-02	5.81E-04
460.75148	66.59	16.46	17.22	17.85	17.44	5.55E-12	1.73E-04	1.30E-12	1.49E-06	4.16E-03	6.68E-01	1.29E-01
460.79341	78.41	14.12	12.51	13.44	13.10	3.04E-06	7.62E-07	9.52E-02	4.75E-03	1.19E-02	2.35E-01	6.83E-01
460.809	43.51	18.85	18.10	19.42	19.32	1.79E-22	2.05E-08	2.52E-05	1.25E-03	3.82E-14	4.14E-14	8.63E-01
460.86619	38.58	16.49	17.67	17.61	17.37	2.34E-16	7.64E-14	3.49E-13	2.35E-08	9.75E-01	1.91E-01	3.76E-01
460.86848	153.36	14.96	10.75	9.14	12.69	4.98E-33	4.17E-14	5.11E-15	9.96E-07	8.67E-04	6.84E-05	1.15E-13
460.88956	46.16	18.50	17.87	18.01	18.35	7.42E-03	9.28E-03	6.98E-02	8.81E-01	8.87E-01	1.04E-01	3.81E-01
460.90976	47.21	17.27	18.11	18.47	18.34	1.12E-13	7.49E-07	8.91E-13	6.16E-10	1.00E-01	4.85E-01	8.50E-01
460.94028	31.33	12.56	14.07	14.26	13.53	1.34E-09	2.71E-07	4.10E-09	2.53E-03	8.92E-01	2.28E-01	4.63E-02
460.98172	22	12.90	13.31	13.85	14.32	6.76E-03	7.52E-01	9.83E-02	5.13E-03	5.83E-01	9.64E-02	6.89E-01
461.02862	47.5	14.09	10.98	15.12	14.18	2.73E-23	5.06E-14	2.16E-02	9.95E-01	1.95E-14	7.08E-14	6.12E-02
461.03576	58.76	10.20	22.97	10.73	10.18	3.59E-84	5.11E-15	6.35E-01	1.00E+00	5.11E-15	5.11E-15	6.52E-01
461.24971	281.17	15.48	18.68	18.20	18.35	8.33E-12	2.10E-10	4.95E-08	2.94E-08	7.40E-01	9.02E-01	9.91E-01
461.2709	178.73	16.05	17.64	18.01	17.78	1.66E-12	7.10E-08	2.03E-11	1.13E-08	5.32E-01	9.63E-01	8.40E-01
461.29031	226.23	22.81	22.50	22.73	22.40	2.90E-01	5.39E-01	9.87E-01	3.27E-01	7.57E-01	9.81E-01	5.32E-01
461.32996	213.38	17.08	18.80	17.63	17.40	1.43E-11	8.23E-12	7.66E-02	5.21E-01	6.24E-06	1.37E-07	7.79E-01
461.75147	285.59	14.19	17.31	16.44	16.78	2.11E-09	4.36E-09	2.69E-05	2.41E-06	3.01E-01	7.35E-01	9.07E-01
461.75152	194.81	18.26	17.76	18.09	17.12	2.97E-08	3.22E-02	7.79E-01	2.36E-08	2.87E-01	5.11E-03	3.97E-06
461.88386	37.6	13.59	13.52	13.65	13.50	9.82E-01	9.98E-01	9.99E-01	9.95E-01	9.89E-01	1.00E+00	9.82E-01
461.90333	23.23	13.14	13.83	13.45	14.70	2.43E-02	5.19E-01	9.25E-01	1.55E-02	8.80E-01	3.67E-01	8.77E-02
462.03917	53.42	15.58	20.03	14.69	14.94	6.86E-172	5.11E-15	5.11E-15	4.17E-14	5.11E-15	5.11E-15	1.79E-03
462.25587	197	16.94	15.95	16.48	14.82	8.01E-10	5.82E-03	4.22E-01	3.31E-10	2.92E-01	2.50E-03	1.53E-06
462.29907	238.84	22.91	22.30	22.05	22.17	5.03E-09	1.09E-04	9.13E-09	2.73E-06	2.60E-01	8.01E-01	8.18E-01
462.74516	71.18	15.32	14.08	15.22	15.52	4.95E-14	8.09E-11	9.29E-01	6.97E-01	5.40E-09	1.29E-12	3.55E-01
462.75908	197.52	16.40	15.43	15.60	14.39	4.60E-07	1.84E-02	6.93E-02	5.81E-08	9.59E-01	1.55E-02	2.92E-03
462.78196	86.05	12.15	12.84	14.01	13.54	4.35E-09	8.67E-02	3.80E-09	3.19E-05	5.82E-04	1.03E-01	4.09E-01
462.80617	49.08	16.14	15.00	16.04	14.51	5.69E-14	1.71E-06	9.63E-01	1.78E-11	2.45E-05	1.34E-01	5.90E-10
462.82661	147.71	16.78	14.60	15.28	15.94	8.59E-26	6.00E-15	5.93E-14	3.61E-05	1.43E-03	1.03E-10	2.84E-03
462.84782	54.6	19.83	19.54	20.46	20.37	5.76E-26	2.52E-03	1.66E-12	3.13E-09	2.66E-14	4.20E-14	7.53E-01
462.88479	146.73	14.92	7.82	8.38	11.89	8.97E-32	5.11E-15	7.77E-15	1.39E-06	7.54E-01	2.07E-10	3.31E-08
462.88622	54.55	15.79	12.98	13.75	14.71	4.97E-11	4.30E-11	1.50E-06	3.52E-02	2.17E-01	2.06E-04	8.56E-02
462.9456	56.38	15.00	14.46	14.93	15.23	5.92E-02	2.03E-01	9.95E-01	8.34E-01	3.30E-01	3.88E-02	7.16E-01
462.96596	74.11	12.67	13.61	14.24	14.78	7.32E-10	1.18E-02	2.58E-06	6.86E-10	1.82E-01	1.83E-03	3.22E-01
463.03431	59.01	13.28	19.86	11.00	12.30	2.54E-94	5.11E-15	4.22E-14	9.45E-04	5.11E-15	5.11E-15	7.31E-06
463.06211	22.67	14.81	11.28	11.41	12.23	2.28E-23	4.07E-14	4.21E-14	1.52E-11	9.82E-01	4.22E-02	9.83E-02
463.15132	71.07	15.06	12.57	15.70	16.50	1.29E-24	2.03E-12	1.88E-01	1.10E-04	4.37E-14	1.27E-14	8.23E-02
463.16179	127.93	12.00	11.27	12.78	12.43	9.80E-04	1.97E-01	1.57E-01	6.83E-01	5.37E-04	1.77E-02	8.07E-01
463.20823	223.12	12.89	12.77	14.28	15.36	1.26E-12	9.87E-01	4.51E-04	3.08E-10	1.93E-04	1.44E-10	1.75E-02
463.22574	175.26	15.47	12.19	13.40	14.19	7.89E-23	1.44E-14	2.38E-11	1.05E-04	2.68E-04	1.35E-09	4.21E-02

463.28732	192.09	20.19	20.42	20.61	20.62	2.47E-02	4.51E-01	3.88E-02	4.16E-02	6.56E-01	6.38E-01	1.00E+00
463.30573	232.88	21.99	21.44	21.25	20.97	1.17E-08	3.17E-03	1.82E-05	6.32E-09	6.13E-01	2.21E-02	3.16E-01
463.8508	55.73	15.41	14.10	15.51	15.40	3.31E-20	4.33E-14	8.88E-01	1.00E+00	4.19E-14	7.58E-14	8.68E-01
463.94508	32.12	15.53	17.08	17.17	16.41	2.74E-10	2.85E-08	2.83E-09	4.73E-03	9.85E-01	6.36E-02	2.38E-02
463.96843	37.33	12.48	12.07	10.64	15.03	3.50E-38	3.78E-01	2.51E-11	4.31E-14	4.90E-07	2.69E-14	5.11E-15
463.97858	95.45	14.53	17.35	17.44	16.95	7.03E-21	4.26E-14	4.35E-14	2.26E-12	9.91E-01	6.08E-01	4.24E-01
464.00154	17.99	14.85	19.74	19.73	19.15	2.48E-55	5.11E-15	5.11E-15	5.11E-15	1.00E+00	1.44E-01	1.43E-01
464.02823	20.39	13.20	11.93	12.38	14.76	3.04E-06	6.94E-02	3.81E-01	1.83E-02	8.27E-01	2.69E-06	9.52E-05
464.03721	62.44	12.99	16.07	10.94	11.73	1.75E-106	5.11E-15	5.11E-15	4.20E-14	5.11E-15	5.11E-15	1.67E-08
464.27764	187.45	16.76	17.85	18.25	17.28	6.32E-10	1.06E-05	6.37E-10	1.09E-01	2.88E-01	7.12E-02	2.24E-04
464.29011	195.37	18.41	18.48	18.83	18.71	4.70E-02	9.70E-01	5.27E-02	2.90E-01	1.72E-01	5.66E-01	8.99E-01
464.31286	242.17	20.77	19.05	18.84	18.22	1.63E-20	8.00E-11	2.88E-13	3.99E-14	8.28E-01	6.98E-03	7.00E-02
464.74043	81.78	14.87	13.72	14.99	15.16	1.80E-09	2.29E-06	9.41E-01	5.80E-01	2.49E-07	1.63E-08	8.93E-01
464.76132	72.24	16.35	15.59	16.34	16.40	1.03E-12	4.43E-10	1.00E+00	9.68E-01	1.22E-09	2.66E-10	9.62E-01
464.80595	53.47	19.82	20.10	21.09	20.89	2.14E-23	1.04E-01	3.99E-14	7.16E-14	1.14E-12	3.94E-08	4.00E-01
464.82315	49.27	17.35	16.15	17.99	17.48	5.55E-47	5.33E-15	3.71E-10	5.22E-01	5.11E-15	5.11E-15	3.07E-06
464.83426	32.25	13.59	14.66	15.75	13.78	2.78E-16	1.44E-04	4.69E-14	8.72E-01	1.49E-04	5.29E-03	6.12E-12
464.84272	137.61	15.88	14.73	14.65	15.13	2.11E-10	2.28E-08	1.78E-09	6.94E-04	9.79E-01	1.86E-01	7.74E-02
464.89806	29.75	16.69	15.02	14.52	15.98	9.71E-09	2.43E-05	1.78E-08	2.15E-01	5.16E-01	4.96E-02	5.93E-04
464.92659	27.75	12.60	13.68	13.96	14.22	9.70E-09	2.46E-04	1.65E-06	2.91E-08	7.18E-01	2.04E-01	7.75E-01
464.97009	55.01	13.31	15.36	16.67	16.20	5.34E-21	9.89E-09	4.03E-14	5.02E-14	7.10E-04	7.62E-02	5.18E-01
465.00646	21.6	11.98	14.83	14.44	14.21	1.06E-24	2.31E-14	4.15E-14	6.28E-14	4.40E-01	1.00E-01	8.24E-01
465.03125	23.42	14.84	17.27	17.13	16.34	1.53E-14	7.12E-13	7.43E-12	1.92E-05	9.70E-01	2.34E-02	7.05E-02
465.28534	187.15	15.87	15.72	15.59	15.70	8.81E-01	9.73E-01	8.46E-01	9.64E-01	9.83E-01	1.00E+00	9.90E-01
465.30625	222.69	24.91	24.97	25.10	25.41	1.12E-02	9.84E-01	5.98E-01	8.91E-03	8.27E-01	3.19E-02	2.12E-01
465.32232	250.41	21.49	21.04	20.88	20.40	4.17E-04	2.56E-01	6.22E-02	1.18E-04	9.24E-01	6.38E-02	2.29E-01
465.80905	56.7	15.53	14.89	16.67	16.34	3.81E-22	7.66E-04	2.60E-10	1.71E-05	3.66E-14	8.85E-14	2.48E-01
465.88215	36.54	15.95	16.50	16.37	15.57	3.79E-06	1.21E-02	7.96E-02	1.68E-01	8.99E-01	9.37E-06	1.50E-04
465.89206	38.24	15.58	18.04	18.28	17.41	1.53E-34	5.33E-15	5.11E-15	4.17E-14	6.36E-01	1.25E-02	1.75E-04
465.94038	34.97	12.95	13.04	12.84	13.14	8.72E-01	9.94E-01	9.89E-01	9.54E-01	9.45E-01	9.94E-01	8.50E-01
465.9675	55.89	14.85	17.16	18.21	17.25	1.12E-32	4.40E-14	5.11E-15	4.31E-14	1.06E-04	9.83E-01	7.20E-04
466.12485	23.36	17.73	19.07	18.79	18.57	5.87E-11	6.74E-11	1.86E-07	1.06E-04	4.67E-01	5.77E-02	6.68E-01
466.29387	218.89	18.46	18.06	17.36	17.81	1.17E-08	9.51E-02	2.37E-09	1.37E-03	3.63E-04	4.85E-01	5.61E-02
466.30939	224.29	23.09	23.44	23.48	23.64	3.13E-03	8.01E-02	4.17E-02	1.90E-03	9.96E-01	5.84E-01	7.16E-01
466.32641	255.11	19.28	19.11	18.89	18.24	1.08E-02	9.49E-01	5.96E-01	6.98E-03	9.03E-01	4.14E-02	1.85E-01
466.75731	72.05	14.74	12.78	15.21	15.15	3.51E-38	7.33E-15	1.89E-02	7.48E-02	5.11E-15	5.11E-15	9.78E-01
466.77996	77.22	17.78	16.69	17.14	16.81	4.73E-15	8.97E-14	9.08E-06	4.34E-11	4.58E-03	8.19E-01	7.52E-02
466.80386	55.81	18.20	18.35	19.51	19.26	1.16E-23	6.53E-01	4.15E-14	6.60E-13	4.79E-14	1.58E-09	2.70E-01
466.82414	57.23	14.59	12.42	14.09	14.19	1.77E-13	2.63E-13	2.29E-01	4.66E-01	2.91E-08	1.14E-08	9.82E-01
466.83594	40.45	12.91	12.72	13.92	12.27	5.84E-02	9.89E-01	3.17E-01	7.15E-01	1.98E-01	8.87E-01	4.09E-02
466.87448	33.72	11.86	15.20	15.50	14.73	5.62E-34	5.77E-15	5.11E-15	4.06E-14	7.16E-01	3.41E-01	3.57E-02
466.91679	32.63	16.29	18.17	18.30	18.01	3.65E-30	1.64E-14	6.00E-15	4.19E-14	8.83E-01	7.91E-01	3.53E-01
466.93917	41.81	16.99	18.86	18.77	18.91	2.70E-17	2.37E-13	1.67E-12	2.66E-13	9.77E-01	9.98E-01	9.38E-01
466.96351	18.74	15.66	16.68	17.08	16.90	5.05E-09	8.59E-05	1.26E-08	1.88E-06	3.14E-01	7.89E-01	8.79E-01
466.98066	65.3	13.16	15.63	11.08	11.83	3.76E-103	5.11E-15	5.11E-15	1.53E-14	5.11E-15	5.11E-15	6.75E-09

467.00004	21.33	11.95	16.36	15.69	15.62	3.17E-18	4.22E-14	1.13E-12	1.28E-11	5.24E-01	4.73E-01	9.99E-01
467.04091	17.73	14.67	19.63	17.34	17.00	4.00E-40	5.11E-15	4.32E-14	6.12E-13	1.24E-12	4.82E-14	6.67E-01
467.12809	22.67	12.77	14.49	13.58	13.36	2.62E-03	8.93E-04	2.57E-01	5.69E-01	1.97E-01	8.18E-02	9.64E-01
467.20591	22.74	13.94	13.52	14.48	16.04	7.46E-06	8.15E-01	6.58E-01	1.38E-04	1.98E-01	5.82E-06	1.01E-02
467.30679	227.66	21.35	21.59	21.63	21.86	2.76E-02	4.49E-01	3.03E-01	1.27E-02	9.95E-01	3.92E-01	5.26E-01
467.30915	290.38	19.32	19.34	19.48	19.53	7.88E-01	1.00E+00	9.05E-01	8.26E-01	9.39E-01	8.73E-01	9.97E-01
467.32051	210.47	15.40	15.31	15.49	16.48	9.89E-03	9.96E-01	9.94E-01	2.08E-02	9.67E-01	1.40E-02	4.66E-02
467.80714	58.1	12.94	10.18	13.71	13.52	7.42E-26	4.31E-14	5.35E-02	2.40E-01	1.64E-14	4.06E-14	9.37E-01
467.89827	36.8	17.22	17.76	18.05	17.05	9.84E-05	9.26E-02	2.10E-03	8.93E-01	6.16E-01	2.08E-02	3.12E-04
467.96638	53.94	11.23	12.93	13.92	13.71	1.28E-11	7.48E-05	8.86E-11	7.11E-09	5.67E-02	2.11E-01	9.56E-01
468.04717	57.47	11.93	15.46	9.78	11.17	3.53E-57	5.11E-15	5.06E-14	1.83E-02	5.11E-15	5.11E-15	1.59E-06
468.14324	22.96	12.29	15.35	13.54	12.55	1.23E-18	4.40E-14	5.85E-04	8.50E-01	4.23E-07	9.95E-14	1.81E-02
468.27282	187.02	14.45	14.43	14.85	13.80	1.10E-07	1.00E+00	5.91E-02	6.79E-04	5.56E-02	1.44E-03	1.36E-08
468.28256	273.86	19.04	20.01	20.23	19.91	3.73E-13	8.02E-09	1.08E-12	4.26E-07	4.87E-01	9.39E-01	2.03E-01
468.30702	287.57	17.43	17.84	18.18	17.90	9.81E-08	4.47E-03	1.49E-08	1.41E-03	3.63E-02	9.78E-01	1.17E-01
468.32392	210.78	14.86	13.42	13.25	14.88	2.05E-07	2.65E-04	2.83E-05	1.00E+00	9.64E-01	5.46E-04	7.19E-05
468.77614	77.46	14.30	11.33	11.51	11.32	1.18E-12	4.77E-10	3.54E-09	1.20E-09	9.77E-01	1.00E+00	9.77E-01
468.80168	57.93	15.22	13.48	16.18	15.76	1.55E-23	1.27E-11	3.01E-04	1.16E-01	1.93E-14	4.22E-14	3.19E-01
468.85271	42.56	15.07	14.92	15.66	14.36	9.21E-03	9.75E-01	3.60E-01	2.13E-01	1.91E-01	4.43E-01	3.63E-03
468.87674	44.89	19.09	19.67	19.53	19.62	1.28E-07	4.50E-07	2.08E-04	1.13E-05	5.28E-01	9.55E-01	8.53E-01
468.89749	44.96	19.95	22.41	22.35	22.25	2.04E-32	5.77E-15	6.22E-15	2.00E-14	9.91E-01	8.59E-01	9.56E-01
468.98064	66.47	18.21	19.84	17.74	17.79	5.24E-94	5.11E-15	4.10E-12	1.60E-09	5.11E-15	5.11E-15	8.83E-01
469.25723	151.12	14.81	12.44	13.66	13.40	6.12E-14	4.75E-14	1.64E-04	5.74E-06	1.06E-04	5.14E-03	8.08E-01
469.28479	184.17	15.88	15.71	15.49	16.42	1.16E-04	8.01E-01	1.78E-01	3.83E-02	6.97E-01	3.40E-03	4.85E-05
469.31004	200.66	16.16	14.87	15.04	15.37	2.14E-05	2.88E-05	3.36E-04	3.04E-02	9.28E-01	3.03E-01	6.51E-01
469.8799	49	13.60	13.25	13.14	13.02	2.88E-01	6.67E-01	4.47E-01	2.63E-01	9.88E-01	8.97E-01	9.80E-01
469.89077	33.27	14.47	13.86	14.43	13.70	2.62E-02	1.78E-01	9.99E-01	6.36E-02	2.48E-01	9.60E-01	9.73E-02
469.90086	45.11	15.75	18.44	18.38	18.31	8.38E-33	5.77E-15	6.00E-15	1.42E-14	9.94E-01	9.48E-01	9.90E-01
469.91126	31.86	13.39	15.45	15.34	14.79	2.39E-11	4.62E-10	2.47E-09	5.57E-05	9.85E-01	1.65E-01	3.00E-01
469.98336	38.92	15.60	19.23	19.38	18.17	6.94E-78	5.11E-15	5.11E-15	5.11E-15	7.45E-01	6.97E-11	1.58E-13
470.00075	28.66	11.57	14.23	14.15	12.73	1.81E-24	3.70E-14	3.99E-14	7.65E-05	9.89E-01	2.94E-07	1.08E-06
470.02511	33.24	15.53	14.78	14.56	14.65	9.58E-03	8.47E-02	1.18E-02	3.56E-02	9.05E-01	9.80E-01	9.93E-01
470.06166	20.6	15.35	15.49	14.76	15.16	1.35E-01	9.74E-01	2.41E-01	9.32E-01	1.17E-01	7.58E-01	6.35E-01
470.07548	26.03	11.69	12.99	13.66	11.28	9.83E-17	1.65E-05	2.14E-11	4.44E-01	7.39E-02	4.50E-08	7.17E-14
470.28776	178.78	12.32	12.30	11.91	13.50	5.78E-03	1.00E+00	7.77E-01	4.51E-02	8.14E-01	4.91E-02	3.38E-03
470.33171	198.67	15.41	15.41	15.71	14.97	3.89E-03	1.00E+00	3.68E-01	1.11E-01	4.09E-01	1.21E-01	1.27E-03
470.3492	202.31	15.83	19.52	19.37	18.85	6.71E-45	5.11E-15	5.11E-15	5.11E-15	9.18E-01	2.87E-02	1.29E-01
470.77017	57.19	17.66	15.89	18.05	18.24	1.30E-24	5.08E-14	2.20E-01	2.94E-02	4.05E-14	3.04E-14	8.00E-01
470.79155	84.28	12.93	10.83	13.94	11.63	8.45E-07	1.37E-03	2.75E-01	1.12E-01	9.94E-07	5.35E-01	6.88E-04
470.8139	63.65	18.22	17.43	18.18	17.83	6.15E-17	4.69E-14	9.61E-01	1.95E-04	2.26E-13	2.18E-04	1.59E-03
470.83475	41.96	22.18	23.00	23.09	22.91	1.94E-33	7.11E-15	5.11E-15	4.09E-14	5.53E-01	5.83E-01	5.30E-02
470.87406	47.24	15.86	15.73	15.41	15.81	2.00E-02	8.37E-01	1.73E-02	9.89E-01	1.68E-01	9.63E-01	6.24E-02
470.89249	39.34	18.89	19.97	19.90	19.98	8.90E-31	9.55E-15	2.22E-14	1.24E-14	8.85E-01	1.00E+00	8.63E-01
470.979	69	8.98	16.84	8.94	8.55	1.73E-93	5.11E-15	9.98E-01	3.58E-01	5.11E-15	5.11E-15	4.72E-01
470.997	63.4	14.03	21.09	11.74	12.53	1.18E-140	5.11E-15	5.11E-15	4.34E-14	5.11E-15	5.11E-15	1.44E-05

471.07005	20.91	18.18	21.17	20.17	19.49	4.47E-17	4.35E-14	4.12E-09	3.14E-04	9.56E-03	4.05E-06	1.65E-01
471.15264	22.23	15.38	16.22	16.09	15.33	1.84E-02	7.19E-02	1.59E-01	9.99E-01	9.84E-01	6.89E-02	1.47E-01
471.17705	85.65	16.22	14.88	16.97	17.31	1.40E-12	1.12E-04	6.76E-02	3.38E-03	1.16E-09	8.00E-12	7.06E-01
471.33338	250.06	15.27	15.32	15.69	14.56	1.03E-02	9.98E-01	5.29E-01	1.38E-01	6.57E-01	1.11E-01	4.39E-03
471.3335	182.2	16.61	16.42	15.68	14.11	3.81E-16	8.92E-01	4.58E-03	4.55E-14	4.96E-02	8.54E-13	8.63E-07
471.35181	199.44	14.33	16.97	16.87	16.76	6.11E-43	5.11E-15	5.11E-15	5.11E-15	9.33E-01	6.42E-01	9.31E-01
471.83817	48.99	18.00	18.86	18.85	18.80	3.59E-25	4.00E-14	4.02E-14	4.44E-14	1.00E+00	8.78E-01	9.10E-01
471.88736	30.9	13.89	14.47	14.38	14.13	1.51E-01	1.51E-01	2.80E-01	8.40E-01	9.87E-01	6.28E-01	8.14E-01
471.89662	45.56	13.64	14.00	13.70	14.21	2.00E-02	2.52E-01	9.91E-01	2.74E-02	4.24E-01	7.61E-01	6.65E-02
471.99851	62.33	14.90	17.81	13.42	13.84	1.29E-134	5.11E-15	5.11E-15	5.11E-15	5.11E-15	5.11E-15	2.47E-06
472.01506	21.62	19.76	21.35	21.17	20.78	2.57E-19	4.37E-14	5.11E-14	4.33E-08	7.00E-01	6.61E-03	1.13E-01
472.05581	20.66	17.80	21.33	21.25	20.25	1.29E-26	2.00E-14	2.38E-14	4.18E-12	9.95E-01	6.89E-03	1.30E-02
472.18082	88.14	12.51	10.37	13.34	14.04	3.86E-12	3.47E-05	2.70E-01	7.52E-03	9.04E-09	6.81E-12	4.63E-01
472.2148	174.64	10.32	10.84	11.30	10.53	9.99E-02	5.91E-01	7.66E-02	9.63E-01	6.81E-01	8.88E-01	2.68E-01
472.24325	187.71	13.61	12.50	12.44	13.71	7.86E-07	5.86E-04	2.09E-04	9.86E-01	9.96E-01	3.56E-04	1.32E-04
472.33238	182.68	14.80	16.30	15.06	14.87	1.90E-05	3.88E-05	8.49E-01	9.96E-01	1.34E-03	2.56E-04	9.44E-01
472.3472	205.33	16.83	16.95	16.95	16.54	7.59E-02	8.90E-01	8.89E-01	3.28E-01	1.00E+00	9.43E-02	9.10E-02
472.36489	189.04	13.71	14.30	14.53	14.06	7.65E-02	2.73E-01	5.42E-02	7.23E-01	8.93E-01	8.98E-01	5.03E-01
472.771	61.69	19.99	20.06	20.27	20.39	1.57E-04	8.89E-01	1.68E-02	3.13E-04	1.30E-01	5.71E-03	6.16E-01
472.79285	73.31	15.62	15.04	15.95	15.70	1.51E-11	1.03E-05	1.94E-02	8.93E-01	3.50E-12	1.32E-06	1.63E-01
472.81137	72.48	15.32	13.46	14.59	14.47	4.04E-27	5.11E-15	2.05E-06	9.36E-08	1.34E-12	6.16E-10	8.63E-01
472.83383	43.32	19.92	20.65	20.58	20.68	4.61E-23	4.35E-14	4.46E-14	4.33E-14	7.89E-01	9.89E-01	6.10E-01
472.85033	48.14	21.23	22.62	22.68	22.52	5.67E-47	5.11E-15	5.11E-15	5.11E-15	9.09E-01	6.86E-01	2.92E-01
472.88752	44.64	16.54	17.02	16.82	17.27	1.00E-05	4.00E-03	1.95E-01	4.28E-06	4.83E-01	3.19E-01	1.09E-02
472.99466	65.39	16.68	18.47	16.09	16.22	2.56E-118	5.11E-15	1.60E-14	6.42E-14	5.11E-15	5.11E-15	6.02E-02
473.0173	23.75	15.75	16.87	16.60	16.42	5.22E-12	3.24E-12	1.24E-07	8.03E-05	2.43E-01	1.85E-02	6.61E-01
473.05884	17.39	14.04	17.55	17.67	16.77	8.61E-28	2.20E-14	1.07E-14	6.29E-14	9.82E-01	8.60E-02	3.23E-02
473.23931	64.07	11.34	21.44	9.29	9.75	7.36E-131	5.11E-15	4.59E-14	1.93E-09	5.11E-15	5.11E-15	2.42E-01
473.24968	192.53	16.64	16.43	16.62	15.63	2.45E-08	5.91E-01	9.99E-01	1.05E-07	6.88E-01	6.49E-05	3.55E-07
473.28325	176.8	19.96	19.83	20.21	19.72	5.78E-06	4.70E-01	3.61E-02	4.99E-02	4.06E-04	6.62E-01	4.18E-06
473.34999	201	15.07	13.88	14.32	13.87	3.48E-05	1.31E-04	3.21E-02	1.76E-04	3.97E-01	1.00E+00	3.97E-01
473.75142	190.95	15.15	14.78	15.20	13.96	2.20E-04	5.83E-01	9.98E-01	5.62E-04	4.88E-01	4.18E-02	3.88E-04
473.7755	73.76	14.22	13.51	15.56	15.07	2.31E-17	6.38E-03	1.56E-08	1.02E-03	4.42E-14	5.00E-10	1.43E-01
473.83936	33.39	15.29	16.54	16.06	16.08	3.41E-10	6.28E-11	6.18E-05	8.61E-05	4.15E-02	6.32E-02	1.00E+00
473.85383	42.53	16.66	18.43	18.50	18.28	4.16E-49	5.11E-15	5.11E-15	5.11E-15	9.25E-01	5.52E-01	2.15E-01
474.01085	26.35	16.48	18.19	18.12	17.35	9.62E-19	4.26E-14	4.60E-14	5.59E-05	9.86E-01	2.37E-04	7.65E-04
474.12084	25.23	13.21	15.71	12.47	12.11	8.10E-14	2.21E-07	3.26E-01	7.07E-02	4.39E-11	1.57E-12	8.57E-01
474.24271	55.85	17.70	19.17	17.22	17.28	5.99E-80	5.11E-15	6.34E-11	4.44E-08	5.11E-15	5.11E-15	8.05E-01
474.26221	192.33	18.21	17.53	17.65	17.13	1.85E-11	9.14E-06	3.36E-04	2.92E-12	8.25E-01	2.83E-02	1.77E-03
474.28661	176.81	18.20	18.00	18.40	17.89	6.62E-07	1.43E-01	1.04E-01	5.42E-03	1.38E-04	6.17E-01	8.34E-07
474.34421	212.99	16.70	18.71	17.15	16.13	2.82E-17	2.67E-12	3.05E-01	1.54E-01	9.94E-08	4.36E-14	1.45E-03
474.36356	229.31	16.50	15.65	15.71	15.49	3.33E-05	8.59E-04	1.88E-03	7.67E-05	9.95E-01	9.04E-01	7.93E-01
474.75937	195.1	14.93	14.99	14.09	14.04	1.22E-02	9.98E-01	9.64E-02	8.52E-02	7.59E-02	6.71E-02	9.99E-01
474.77047	69.09	18.29	18.26	19.14	18.72	2.08E-19	9.89E-01	4.42E-14	8.38E-05	4.22E-14	3.85E-05	1.65E-04
474.78785	56.11	20.54	20.67	21.51	21.18	1.17E-35	2.26E-01	5.11E-15	4.37E-14	7.77E-15	1.29E-10	6.09E-05

474.82888	58.12	16.19	14.84	15.80	16.05	2.69E-23	2.51E-14	8.00E-03	6.85E-01	2.10E-12	4.33E-14	2.06E-01
474.84847	45	19.50	20.68	20.91	20.79	2.39E-37	7.33E-15	5.11E-15	5.33E-15	9.91E-02	7.52E-01	5.97E-01
474.86344	36.22	17.40	18.67	18.84	18.73	1.06E-27	4.13E-14	1.22E-14	4.02E-14	5.39E-01	9.70E-01	8.29E-01
474.87982	200.15	16.06	16.46	16.74	16.29	2.41E-12	3.33E-05	5.58E-13	5.29E-02	9.15E-03	2.25E-01	6.05E-06
474.90883	21.03	16.33	15.75	15.70	15.91	1.61E-01	2.34E-01	1.71E-01	5.49E-01	9.99E-01	9.57E-01	9.16E-01
474.92548	37.97	15.15	15.21	15.01	15.13	8.85E-01	9.94E-01	9.45E-01	1.00E+00	8.57E-01	9.89E-01	9.68E-01
474.96714	31.78	14.52	15.02	14.71	14.78	3.07E-01	2.26E-01	8.77E-01	7.65E-01	6.62E-01	8.23E-01	9.95E-01
475.03083	47.53	11.38	16.72	9.35	10.65	5.79E-57	5.11E-15	2.55E-08	1.44E-01	5.11E-15	5.11E-15	1.56E-03
475.0595	25.56	16.16	19.34	16.40	16.26	2.38E-44	5.11E-15	6.03E-01	9.64E-01	5.11E-15	5.11E-15	8.94E-01
475.19777	181.8	14.52	14.32	14.60	14.28	3.28E-03	1.51E-01	8.61E-01	6.79E-02	2.55E-02	9.79E-01	9.51E-03
475.20878	191.57	15.44	12.21	13.04	13.29	2.24E-20	4.04E-14	1.22E-12	6.21E-10	4.32E-02	5.89E-03	8.71E-01
475.23403	177.59	11.86	11.77	13.01	10.82	8.25E-06	9.96E-01	1.80E-02	5.15E-02	1.18E-02	1.04E-01	1.47E-06
475.24541	63.36	13.49	14.98	11.46	12.27	2.81E-59	4.27E-14	5.11E-15	2.36E-12	5.11E-15	5.11E-15	5.62E-06
475.26617	187.27	16.36	15.36	15.69	14.86	6.64E-15	3.12E-08	3.27E-04	4.55E-14	2.02E-01	2.73E-02	2.08E-05
475.28856	181.72	16.93	15.28	15.80	15.38	9.37E-22	4.24E-14	1.56E-10	4.35E-14	1.02E-02	9.48E-01	6.00E-02
475.30731	78.07	13.86	9.96	13.96	14.36	1.64E-22	4.35E-14	9.95E-01	6.48E-01	4.40E-14	4.41E-14	7.97E-01
475.30744	250.08	14.97	15.67	16.33	15.49	4.02E-02	4.39E-01	1.99E-02	6.93E-01	5.21E-01	9.84E-01	3.29E-01
475.34454	215.41	15.82	16.96	16.28	15.83	8.22E-05	1.49E-04	2.96E-01	1.00E+00	6.15E-02	4.56E-04	3.74E-01
475.79151	57.1	15.48	14.09	16.64	16.03	1.39E-44	4.35E-14	6.46E-14	8.29E-04	5.11E-15	5.11E-15	1.97E-04
475.85202	46.22	14.16	15.24	15.61	15.77	5.19E-28	1.88E-13	2.38E-14	8.88E-15	2.75E-02	9.76E-04	6.80E-01
475.92798	31.07	12.39	12.56	13.82	11.88	4.59E-08	9.50E-01	2.36E-05	3.53E-01	3.86E-04	1.51E-01	2.82E-08
475.9495	64.64	12.82	12.23	12.88	14.18	1.67E-14	2.69E-02	9.93E-01	1.15E-08	1.50E-02	4.51E-14	8.32E-08
475.96037	26.5	17.34	16.53	16.37	16.43	1.55E-06	2.87E-04	7.19E-06	6.03E-05	8.59E-01	9.66E-01	9.91E-01
476.05482	61.56	12.99	14.76	11.06	11.71	2.89E-68	5.77E-15	5.11E-15	5.00E-14	5.11E-15	5.11E-15	1.39E-04
476.07551	18.79	15.18	16.41	16.10	15.91	8.44E-02	6.24E-02	2.37E-01	4.68E-01	9.25E-01	7.73E-01	9.84E-01
476.2327	25.33	15.00	13.30	14.19	15.65	1.54E-06	3.77E-04	2.07E-01	4.20E-01	1.60E-01	1.31E-06	5.06E-03
476.27881	199.1	23.09	23.11	23.07	22.74	3.96E-03	9.95E-01	9.98E-01	1.03E-02	9.77E-01	6.57E-03	2.07E-02
476.30234	226.06	16.95	14.07	15.44	16.58	2.86E-18	4.51E-14	5.92E-06	6.36E-01	8.35E-05	1.00E-12	2.18E-03
476.76843	75.55	14.20	12.99	14.66	14.10	9.91E-11	1.07E-06	1.63E-01	9.70E-01	3.07E-11	2.98E-05	7.90E-02
476.78496	50.96	18.81	18.67	19.69	19.32	1.67E-24	4.44E-01	4.13E-14	8.94E-07	3.00E-14	1.06E-09	7.99E-04
476.84142	43.63	16.75	17.51	17.78	17.13	4.38E-10	5.68E-06	4.28E-10	7.11E-02	3.20E-01	8.03E-02	3.53E-04
476.86341	46.05	18.11	17.31	17.12	17.78	2.86E-05	1.59E-03	4.34E-05	4.58E-01	8.35E-01	1.66E-01	2.08E-02
476.87735	197.1	15.54	15.70	16.33	15.89	3.41E-09	5.60E-01	1.74E-09	2.99E-02	3.70E-06	4.60E-01	2.83E-03
476.88428	47.66	16.93	17.23	18.13	17.64	3.84E-12	2.13E-01	2.55E-12	9.68E-05	4.09E-07	7.21E-02	1.66E-02
477.0025	52.22	14.27	11.04	16.17	15.45	4.86E-39	4.30E-14	3.58E-08	2.05E-03	5.11E-15	5.11E-15	1.31E-01
477.00938	62.11	12.87	22.63	11.07	11.33	1.14E-143	5.11E-15	4.27E-14	2.79E-12	5.11E-15	5.11E-15	5.94E-01
477.16186	22.69	15.61	16.29	15.84	15.36	3.91E-02	1.38E-01	8.73E-01	8.63E-01	5.13E-01	2.77E-02	4.49E-01
477.22373	163.49	14.23	15.33	15.91	14.96	3.19E-19	9.60E-10	4.00E-14	1.29E-04	3.12E-03	1.42E-01	4.22E-07
477.2497	188.59	15.15	15.51	15.88	15.39	3.54E-02	4.87E-01	1.84E-02	7.93E-01	4.57E-01	9.70E-01	2.36E-01
477.28227	198.93	21.02	20.98	20.98	20.64	5.12E-03	9.86E-01	9.83E-01	5.95E-03	1.00E+00	2.18E-02	2.13E-02
477.30422	199.09	19.77	20.33	20.47	20.06	4.72E-04	8.47E-03	4.08E-04	3.81E-01	8.56E-01	4.52E-01	1.09E-01
477.32438	276.85	17.37	16.82	16.95	17.07	6.06E-02	4.58E-02	1.77E-01	5.06E-01	9.35E-01	6.70E-01	9.42E-01
477.95816	28.82	15.95	15.40	15.02	15.10	6.29E-05	4.88E-02	9.34E-05	7.10E-04	3.06E-01	5.39E-01	9.86E-01
478.01298	53.98	13.01	19.71	10.84	11.55	8.68E-160	5.11E-15	5.11E-15	9.55E-15	5.11E-15	5.11E-15	2.88E-07
478.16558	21.47	19.12	20.09	19.82	19.20	2.74E-05	1.31E-04	9.30E-03	9.85E-01	6.49E-01	1.22E-03	4.17E-02

478.28418	202.45	17.00	16.52	16.27	15.96	9.87E-02	6.61E-01	2.86E-01	7.36E-02	9.31E-01	5.75E-01	8.96E-01
478.29459	218.01	24.07	24.29	24.21	23.91	2.47E-03	1.33E-01	5.21E-01	3.72E-01	8.52E-01	1.94E-03	2.25E-02
478.30811	199.36	16.97	18.23	18.51	18.08	3.43E-10	5.92E-07	5.77E-10	2.66E-05	6.26E-01	9.16E-01	2.64E-01
478.71742	81.15	13.96	12.97	14.53	14.29	4.09E-10	7.80E-05	5.37E-02	4.91E-01	4.29E-10	3.76E-07	7.28E-01
478.7806	61.31	16.32	13.18	16.00	16.08	3.14E-45	5.11E-15	3.15E-01	5.91E-01	5.11E-15	5.11E-15	9.79E-01
478.79819	73.43	17.02	15.54	16.16	16.10	4.98E-14	4.94E-14	4.98E-06	1.97E-06	2.33E-03	1.14E-02	9.84E-01
478.82186	54.6	18.40	17.67	18.95	18.81	2.30E-22	1.09E-08	2.21E-05	4.79E-03	3.40E-14	4.25E-14	6.38E-01
478.84202	57.15	14.94	11.90	13.97	14.59	1.12E-39	5.11E-15	2.91E-06	2.71E-01	3.46E-14	5.11E-15	1.05E-02
478.86042	58.87	15.64	9.58	11.99	12.39	9.91E-16	4.44E-14	2.72E-07	1.23E-05	1.89E-03	3.34E-04	9.37E-01
478.8796	35.03	17.44	19.62	19.05	19.14	2.93E-17	4.35E-14	3.43E-10	1.63E-10	8.05E-02	2.05E-01	9.84E-01
478.9401	73.85	12.97	12.92	12.83	13.86	1.48E-03	9.97E-01	9.57E-01	9.18E-03	9.90E-01	6.65E-03	2.23E-03
479.00766	61.83	14.04	20.19	12.18	12.80	3.30E-176	5.11E-15	5.11E-15	5.11E-15	5.11E-15	5.11E-15	1.98E-09
479.08856	18.36	17.46	19.52	19.51	19.07	3.42E-27	2.02E-14	1.91E-14	5.46E-14	1.00E+00	9.37E-02	1.00E-01
479.18232	224.39	10.72	12.90	14.62	14.28	1.04E-28	4.05E-10	5.77E-15	2.86E-14	1.43E-06	2.96E-04	7.30E-01
479.28456	178.91	17.55	17.05	17.45	16.31	2.03E-11	1.75E-02	9.23E-01	5.89E-11	1.02E-01	2.40E-04	3.96E-09
479.29798	216.78	21.96	22.22	22.13	21.84	5.16E-03	7.04E-02	3.74E-01	7.44E-01	8.36E-01	6.03E-03	6.03E-02
479.31667	204.24	18.69	19.21	19.30	19.47	1.06E-03	4.41E-02	1.24E-02	8.88E-04	9.77E-01	5.99E-01	8.26E-01
479.33862	277.68	15.10	15.18	14.64	14.53	5.88E-01	9.99E-01	8.36E-01	7.50E-01	7.66E-01	6.76E-01	9.98E-01
479.91934	35.91	17.24	18.03	18.32	17.49	4.10E-08	1.91E-04	1.02E-07	5.53E-01	4.21E-01	3.35E-02	1.81E-04
479.94256	38.63	13.16	12.35	11.12	15.25	1.67E-48	4.10E-04	4.26E-14	4.20E-14	5.43E-08	5.11E-15	5.11E-15
480.01098	62.44	13.00	16.70	10.91	11.64	6.77E-133	5.11E-15	5.11E-15	5.11E-15	5.11E-15	5.11E-15	7.50E-10
480.07854	17.55	12.27	16.24	16.10	15.37	5.34E-23	4.17E-14	4.25E-14	1.49E-12	9.85E-01	1.53E-01	2.81E-01
480.09241	20.14	12.02	15.15	14.86	13.92	2.57E-15	1.07E-13	4.76E-12	1.03E-05	8.77E-01	1.20E-02	8.23E-02
480.27334	176.76	14.89	16.01	16.07	15.89	1.03E-10	2.69E-08	2.62E-09	1.26E-06	9.84E-01	9.38E-01	7.87E-01
480.29539	198.65	18.07	19.04	19.01	18.53	8.45E-07	6.66E-06	9.91E-06	9.86E-02	9.99E-01	6.26E-02	8.10E-02
480.31023	247.82	24.16	20.82	19.79	22.31	7.38E-64	5.11E-15	5.11E-15	4.40E-14	8.04E-07	3.18E-12	5.11E-15
480.32394	207.74	15.95	17.14	17.24	17.44	1.33E-09	4.90E-06	4.45E-07	1.39E-08	9.73E-01	5.95E-01	8.35E-01
480.71519	75.04	10.70	10.95	12.16	11.63	5.12E-03	9.42E-01	5.25E-03	1.66E-01	3.76E-02	4.53E-01	6.65E-01
480.73782	80.62	15.84	16.66	16.77	16.19	9.66E-11	1.25E-07	8.68E-10	7.62E-02	8.39E-01	9.67E-03	5.00E-04
480.80483	47.03	17.86	16.84	18.11	17.96	4.58E-21	1.07E-13	1.49E-01	8.33E-01	4.25E-14	4.86E-14	6.39E-01
480.81803	65.27	17.90	15.17	16.50	16.79	9.35E-32	5.11E-15	6.50E-12	1.30E-07	1.64E-10	1.42E-13	4.63E-01
480.87178	31.65	16.83	16.49	16.63	16.16	7.32E-02	5.23E-01	8.56E-01	4.55E-02	9.42E-01	5.89E-01	2.66E-01
480.93192	25.33	14.98	15.85	15.90	16.33	1.52E-11	7.44E-06	1.45E-06	7.85E-12	9.92E-01	4.88E-02	9.27E-02
480.94462	59.16	13.60	13.28	14.85	15.08	1.53E-12	5.99E-01	1.07E-05	3.33E-07	5.25E-08	1.35E-09	8.19E-01
480.9548	42.71	15.14	14.84	14.74	15.19	5.61E-01	8.47E-01	6.87E-01	9.99E-01	9.93E-01	7.99E-01	6.36E-01
481.00505	26.67	13.00	14.65	14.95	13.75	2.20E-13	3.03E-09	2.12E-12	2.18E-02	6.65E-01	5.11E-03	6.53E-05
481.23651	145.42	12.49	11.38	13.64	12.02	2.13E-03	2.28E-01	1.86E-01	8.62E-01	9.75E-04	7.22E-01	3.98E-02
481.25778	129.38	21.57	20.90	21.20	20.89	3.25E-07	2.96E-06	2.45E-02	3.97E-06	9.88E-02	1.00E+00	9.60E-02
481.2786	171.28	12.71	13.08	13.49	13.71	2.14E-03	5.20E-01	2.04E-02	2.25E-03	4.48E-01	1.27E-01	8.69E-01
481.30069	193.72	18.47	18.01	18.49	18.27	2.74E-03	6.11E-03	9.99E-01	5.02E-01	4.53E-03	2.90E-01	4.25E-01
481.30227	290.21	14.58	16.35	16.52	16.98	2.23E-16	1.80E-09	2.57E-11	4.60E-14	9.16E-01	1.12E-01	3.58E-01
481.31366	255.92	22.30	18.53	17.14	20.25	1.64E-62	5.11E-15	5.11E-15	4.24E-14	1.91E-08	1.46E-11	5.11E-15
481.35399	192.13	15.39	15.50	15.20	15.60	3.86E-01	9.65E-01	8.35E-01	8.11E-01	5.78E-01	9.75E-01	3.43E-01
481.85605	38.39	14.04	13.77	13.75	12.66	6.69E-02	9.54E-01	9.47E-01	5.14E-02	1.00E+00	1.85E-01	1.87E-01
481.86615	43.07	15.62	16.95	16.67	16.02	1.11E-09	4.83E-09	3.70E-06	2.33E-01	5.57E-01	1.87E-04	1.57E-02

481.91514	36.51	13.81	13.46	13.13	13.52	3.63E-01	7.84E-01	2.74E-01	8.71E-01	8.39E-01	9.99E-01	7.72E-01
481.94136	57.87	13.28	15.03	16.72	16.07	9.74E-29	3.42E-09	5.11E-15	4.26E-14	1.97E-08	1.65E-03	1.00E-01
482.03119	30.75	10.51	14.13	12.32	11.13	8.52E-12	8.47E-12	1.08E-03	5.98E-01	1.66E-03	7.63E-08	8.55E-02
482.05981	21.27	14.27	13.65	14.23	14.02	2.17E-01	2.12E-01	9.99E-01	8.71E-01	2.90E-01	6.88E-01	9.27E-01
482.10467	19.45	16.42	17.87	17.69	18.54	3.65E-16	3.37E-09	2.03E-07	4.35E-14	8.53E-01	2.80E-02	2.12E-03
482.26083	132.91	19.43	18.52	18.90	18.59	8.83E-08	2.75E-07	5.11E-03	4.78E-06	1.03E-01	9.74E-01	2.74E-01
482.3033	187.06	16.44	15.69	16.06	16.33	1.28E-04	1.01E-04	1.16E-01	9.22E-01	1.45E-01	2.60E-03	4.38E-01
482.31472	206.26	17.80	16.77	16.12	15.62	7.41E-17	8.06E-05	2.55E-11	4.31E-14	3.16E-02	2.97E-05	1.82E-01
482.73591	93.36	13.67	13.76	13.72	13.18	1.30E-01	9.82E-01	9.97E-01	2.58E-01	9.98E-01	1.43E-01	1.94E-01
482.75423	84.29	17.11	17.25	17.13	16.98	3.34E-01	7.47E-01	1.00E+00	7.83E-01	8.17E-01	2.45E-01	7.33E-01
482.80355	56.36	15.37	13.53	15.87	15.09	1.69E-19	2.13E-13	1.09E-01	6.24E-01	4.14E-14	2.40E-09	5.62E-03
482.81575	61.04	14.85	11.88	13.37	12.46	5.54E-20	4.20E-14	3.75E-06	4.92E-13	6.28E-06	2.30E-01	1.68E-02
482.84805	36.73	14.00	15.38	15.37	15.15	5.06E-15	2.05E-12	1.94E-12	1.20E-08	1.00E+00	5.91E-01	6.22E-01
482.86837	32.25	14.67	14.47	15.67	13.51	2.58E-06	9.47E-01	3.51E-02	1.29E-02	9.09E-03	6.85E-02	4.06E-07
482.89068	48.97	17.44	18.95	18.94	18.91	1.24E-34	5.33E-15	5.11E-15	7.33E-15	1.00E+00	9.83E-01	9.91E-01
482.91319	45.83	19.05	20.58	20.58	20.62	1.87E-24	4.40E-14	4.46E-14	4.22E-14	1.00E+00	9.92E-01	9.94E-01
483.01736	61.74	13.27	21.26	11.25	11.84	7.70E-145	5.11E-15	5.33E-15	5.82E-14	5.11E-15	5.11E-15	3.25E-03
483.10788	20.83	11.72	13.76	13.79	14.78	6.49E-08	2.72E-04	1.77E-04	3.27E-08	1.00E+00	2.03E-01	2.21E-01
483.25973	153.21	14.33	13.59	13.45	15.05	5.03E-03	3.96E-01	2.35E-01	4.34E-01	9.91E-01	1.79E-02	6.77E-03
483.27358	170.73	25.04	24.58	24.89	24.32	3.75E-08	8.89E-04	5.86E-01	6.00E-08	5.61E-02	1.42E-01	3.43E-05
483.87176	37.62	16.45	16.35	16.86	15.61	6.17E-03	9.92E-01	5.96E-01	7.36E-02	4.44E-01	1.57E-01	2.44E-03
483.88567	33.6	13.45	12.98	11.62	14.26	1.34E-07	6.72E-01	1.02E-04	2.38E-01	9.74E-03	2.11E-02	4.62E-08
483.91657	44.57	14.86	16.35	16.30	16.39	1.35E-17	2.01E-13	6.43E-13	1.87E-13	9.92E-01	9.96E-01	9.60E-01
483.96562	52.21	13.46	10.25	13.40	13.78	4.09E-19	5.08E-14	9.99E-01	8.34E-01	1.00E-13	4.31E-14	7.67E-01
484.02109	62.18	14.47	18.17	12.92	13.42	1.22E-150	5.11E-15	5.11E-15	5.11E-15	5.11E-15	5.11E-15	3.10E-08
484.07291	17.49	12.32	14.25	13.30	13.78	4.22E-03	2.53E-03	2.69E-01	4.47E-02	3.11E-01	8.47E-01	8.24E-01
484.27696	163.48	23.07	22.53	22.80	22.32	1.02E-08	3.24E-05	8.13E-02	1.01E-08	1.15E-01	3.25E-01	7.22E-04
484.32864	195.75	18.17	19.62	19.05	18.39	3.56E-12	1.53E-11	4.89E-05	6.91E-01	2.54E-02	5.84E-08	7.37E-03
484.36484	209.59	12.82	16.33	16.19	15.11	2.81E-36	5.11E-15	5.11E-15	4.35E-14	9.49E-01	3.44E-05	2.69E-04
484.75055	88.08	14.48	14.14	14.31	13.30	1.02E-04	5.46E-01	9.11E-01	6.78E-05	9.13E-01	1.14E-02	1.17E-03
484.82725	64.64	15.91	15.33	16.24	16.05	1.41E-08	3.36E-04	7.62E-02	7.59E-01	6.60E-09	1.42E-05	5.46E-01
484.82951	154.78	14.60	9.92	9.92	12.66	6.59E-20	4.26E-14	4.26E-14	1.74E-03	1.00E+00	6.12E-06	4.92E-06
484.8508	50	19.82	19.75	19.85	20.00	5.58E-02	8.49E-01	9.86E-01	1.84E-01	6.73E-01	3.40E-02	3.49E-01
484.8715	40.92	21.05	23.20	23.24	23.09	2.24E-42	5.11E-15	5.11E-15	5.11E-15	9.94E-01	8.87E-01	7.59E-01
484.90927	44.97	16.29	15.32	15.51	16.03	8.59E-03	1.16E-02	5.80E-02	8.50E-01	9.37E-01	1.40E-01	3.79E-01
484.95498	59.36	16.83	19.07	16.23	16.35	8.80E-111	5.11E-15	4.24E-14	6.37E-10	5.11E-15	5.11E-15	2.97E-01
484.99365	28.65	11.90	14.13	13.61	13.89	7.29E-09	3.46E-08	2.87E-05	1.93E-06	5.07E-01	9.26E-01	8.84E-01
485.01495	62.95	12.12	18.11	10.33	10.82	9.15E-110	5.11E-15	4.42E-14	7.51E-10	5.11E-15	5.11E-15	6.68E-02
485.07604	17.9	12.41	14.37	12.37	13.07	1.68E-03	3.11E-03	1.00E+00	6.57E-01	3.11E-03	1.27E-01	6.28E-01
485.13434	68.38	14.17	10.80	13.72	14.97	9.03E-22	4.25E-14	6.15E-01	1.58E-01	3.69E-12	3.65E-14	8.25E-03
485.24962	187.1	15.12	14.42	14.60	14.41	1.16E-02	2.06E-02	1.28E-01	2.31E-02	8.89E-01	1.00E+00	8.82E-01
485.26812	167.68	10.96	16.14	15.09	15.77	2.78E-21	4.24E-14	4.96E-13	4.40E-14	2.06E-01	9.13E-01	5.97E-01
485.27935	163.41	20.59	19.96	20.25	19.90	4.46E-08	1.86E-06	1.89E-02	2.82E-07	9.70E-02	9.59E-01	3.10E-02
485.3319	196.66	15.82	17.52	16.81	16.09	7.72E-09	1.24E-08	1.64E-03	7.62E-01	5.49E-02	7.80E-06	5.85E-02
485.34916	256.75	15.77	16.31	15.91	15.56	1.58E-01	3.36E-01	9.72E-01	9.16E-01	6.13E-01	1.20E-01	7.21E-01

485.75161	187.1	13.51	12.08	12.61	12.99	2.27E-04	8.94E-05	2.79E-02	4.03E-01	3.74E-01	3.98E-02	6.75E-01
485.85388	54.47	14.52	13.40	13.61	13.82	1.00E-05	8.98E-06	3.81E-04	1.61E-02	8.07E-01	2.88E-01	7.96E-01
485.8748	41.14	16.39	19.30	19.38	19.22	5.26E-37	5.11E-15	5.11E-15	5.33E-15	9.84E-01	9.86E-01	8.98E-01
485.88543	33.1	14.91	15.86	16.03	15.64	5.45E-10	3.04E-07	1.10E-09	1.93E-04	7.71E-01	6.10E-01	1.33E-01
485.90303	36.71	10.68	12.48	12.87	12.24	1.86E-06	1.65E-04	1.94E-06	2.09E-03	7.92E-01	9.50E-01	4.74E-01
485.95707	40.33	15.36	18.71	19.01	17.72	8.11E-60	5.11E-15	5.11E-15	5.11E-15	3.14E-01	6.41E-07	4.94E-11
485.98699	25.57	15.33	17.46	17.79	17.26	5.02E-18	8.43E-13	4.26E-14	2.04E-10	6.16E-01	8.98E-01	2.35E-01
486.1166	22.92	12.55	13.73	14.50	14.42	2.67E-06	1.66E-02	7.73E-06	4.14E-05	2.27E-01	3.53E-01	9.97E-01
486.2574	192.35	14.16	14.28	14.07	14.25	9.50E-01	9.90E-01	9.95E-01	9.95E-01	9.50E-01	1.00E+00	9.66E-01
486.27115	167.5	9.33	13.77	13.47	13.41	2.48E-20	4.15E-14	4.51E-14	9.50E-14	9.24E-01	8.87E-01	9.99E-01
486.28196	170.82	17.63	16.89	17.17	16.92	1.11E-09	1.01E-08	5.84E-04	8.86E-08	9.66E-02	9.95E-01	1.83E-01
486.29974	215.7	14.37	14.48	14.74	14.89	2.71E-01	9.82E-01	5.52E-01	2.81E-01	7.99E-01	5.11E-01	9.58E-01
486.34439	227.52	18.54	16.87	16.00	16.50	1.96E-13	2.25E-06	2.94E-13	1.14E-08	3.56E-02	6.70E-01	4.34E-01
486.76176	79.94	14.01	9.79	10.82	11.26	5.61E-22	2.86E-14	9.04E-14	2.40E-10	4.74E-02	2.18E-03	6.96E-01
486.78811	65.71	17.29	17.03	17.92	17.53	1.52E-12	9.25E-02	1.37E-07	1.56E-01	7.34E-13	1.76E-04	3.99E-03
486.80887	48.7	22.38	22.71	23.22	23.03	3.98E-31	2.61E-06	5.11E-15	4.19E-14	3.11E-13	1.18E-05	1.84E-02
486.8464	149.81	15.08	10.62	9.49	12.41	7.65E-29	4.24E-14	5.11E-15	6.40E-08	5.76E-02	7.77E-04	5.88E-09
486.86774	47.28	19.68	20.66	20.79	20.76	5.27E-37	6.22E-15	5.11E-15	5.11E-15	3.86E-01	6.11E-01	9.89E-01
486.95319	69.33	11.19	16.61	10.07	10.38	2.28E-85	5.11E-15	2.30E-06	1.62E-03	5.11E-15	5.11E-15	5.38E-01
486.9713	63.87	13.76	20.18	11.42	12.33	2.21E-117	5.11E-15	5.77E-15	2.18E-11	5.11E-15	5.11E-15	4.23E-05
487.06594	20.06	14.51	18.43	17.85	17.17	6.72E-30	5.11E-15	2.58E-14	6.14E-14	2.40E-01	6.08E-04	1.41E-01
487.15139	87.11	14.82	15.19	17.21	17.20	8.03E-16	6.68E-01	1.64E-11	8.93E-11	3.17E-08	1.04E-07	1.00E+00
487.28413	168.47	14.08	13.91	14.47	14.16	4.05E-01	9.55E-01	6.22E-01	9.95E-01	3.37E-01	8.88E-01	8.00E-01
487.30601	169.97	13.56	13.34	13.54	14.11	4.05E-02	8.32E-01	1.00E+00	1.67E-01	8.87E-01	2.72E-02	1.47E-01
487.34725	212.57	16.09	14.99	11.84	12.83	4.12E-15	1.46E-01	1.04E-13	1.97E-08	5.32E-08	5.44E-04	2.65E-01
487.81228	55.93	18.24	18.42	19.12	18.90	2.67E-29	6.81E-02	5.77E-15	4.46E-14	4.32E-14	7.58E-09	1.59E-02
487.86197	23.03	12.44	11.63	13.23	12.74	5.60E-02	4.92E-01	5.03E-01	9.54E-01	3.33E-02	2.55E-01	8.48E-01
487.87172	47.32	14.99	15.90	15.94	15.94	2.34E-17	1.44E-12	1.14E-13	5.64E-13	9.79E-01	9.85E-01	1.00E+00
487.9721	64.77	12.28	16.63	11.57	12.75	7.79E-29	2.55E-14	2.60E-01	6.49E-01	5.33E-15	4.13E-14	2.24E-02
488.01939	22.05	12.76	16.56	16.36	15.47	1.93E-42	5.11E-15	5.11E-15	2.60E-14	8.53E-01	1.52E-04	2.64E-03
488.15473	85.81	11.26	11.26	13.93	13.81	2.55E-12	1.00E+00	2.94E-08	3.29E-07	7.86E-08	7.37E-07	9.95E-01
488.22753	94.23	8.57	13.28	10.75	9.54	1.48E-19	4.06E-14	1.67E-05	1.68E-01	9.06E-07	1.99E-12	5.84E-02
488.31538	241.35	16.30	15.69	15.40	15.30	3.62E-03	1.59E-01	1.07E-02	5.32E-03	7.58E-01	5.83E-01	9.89E-01
488.3599	187.66	12.94	16.25	16.08	14.84	4.80E-61	5.11E-15	5.11E-15	7.55E-15	6.90E-01	4.86E-14	4.09E-12
488.74631	69.82	18.01	18.71	19.40	18.94	5.33E-16	3.15E-05	4.42E-14	4.53E-08	6.73E-05	4.85E-01	1.87E-02
488.76725	69.82	15.72	15.99	17.03	16.57	2.55E-16	2.75E-01	4.29E-14	4.65E-07	4.31E-10	1.55E-03	1.81E-02
488.78569	72.85	15.50	14.37	15.65	15.28	6.17E-17	3.23E-13	6.75E-01	4.55E-01	4.35E-14	1.54E-08	6.09E-02
488.8081	51.31	20.54	20.75	21.35	21.14	7.34E-42	1.78E-04	5.11E-15	1.02E-14	1.09E-14	1.56E-11	6.17E-04
488.82435	47.08	21.31	22.13	22.59	22.37	5.33E-53	5.11E-15	5.11E-15	5.11E-15	1.63E-10	2.67E-03	6.78E-03
488.86263	47.87	17.33	17.29	17.46	17.65	4.51E-02	9.92E-01	7.66E-01	7.73E-02	6.16E-01	4.67E-02	4.70E-01
488.87924	36.81	14.08	13.27	13.96	14.21	1.45E-02	3.56E-02	9.75E-01	9.74E-01	1.13E-01	1.63E-02	8.46E-01
488.94112	25.06	15.63	16.14	16.29	16.66	1.85E-03	2.07E-01	5.09E-02	7.55E-04	9.36E-01	2.19E-01	5.17E-01
488.96889	66.81	14.62	17.62	13.21	13.66	1.37E-141	5.11E-15	5.11E-15	5.11E-15	5.11E-15	5.11E-15	4.42E-08
488.98861	48.36	13.60	12.81	13.71	13.15	2.35E-02	6.25E-02	9.88E-01	5.06E-01	3.08E-02	7.39E-01	3.39E-01
489.04315	18.68	15.74	16.02	15.96	16.73	6.12E-02	8.65E-01	9.25E-01	4.06E-02	9.99E-01	2.49E-01	1.81E-01

489.21305	63.39	13.71	23.87	11.38	12.07	8.64E-146	5.11E-15	1.09E-14	6.81E-13	5.11E-15	5.11E-15	6.54E-03
489.27827	184.88	19.20	20.97	21.99	20.67	1.27E-53	5.11E-15	5.11E-15	2.91E-14	3.63E-12	1.40E-01	4.37E-14
489.32273	243.72	16.66	14.12	14.55	15.49	3.46E-10	8.44E-10	3.25E-07	1.50E-02	6.69E-01	3.74E-03	8.56E-02
489.74955	70.46	12.16	9.89	12.12	10.98	4.62E-17	5.06E-14	9.99E-01	1.12E-04	1.09E-13	6.94E-04	2.76E-04
489.8102	56.89	15.83	15.17	16.52	16.32	4.64E-41	1.78E-13	5.51E-14	6.35E-08	5.11E-15	5.11E-15	1.06E-01
489.82801	54	17.03	17.76	18.41	18.11	5.43E-47	4.43E-14	5.11E-15	5.11E-15	6.62E-14	1.30E-04	7.65E-04
489.90601	58.06	13.28	14.42	14.35	14.34	2.25E-04	9.11E-04	1.80E-03	3.47E-03	9.97E-01	9.93E-01	1.00E+00
489.98621	50.76	13.41	16.29	16.51	15.02	8.12E-28	2.69E-14	7.77E-15	5.02E-08	8.43E-01	4.31E-05	8.53E-07
490.21654	56.45	19.86	21.57	19.43	19.49	2.44E-88	5.11E-15	6.97E-09	1.14E-06	5.11E-15	5.11E-15	8.79E-01
490.28153	184.64	17.42	19.11	20.17	18.86	5.84E-52	5.11E-15	5.11E-15	3.90E-14	8.62E-13	2.60E-01	4.35E-14
490.30307	293.15	18.58	16.77	16.45	17.73	4.48E-29	3.71E-14	5.33E-15	1.73E-05	2.52E-01	1.58E-06	7.03E-11
490.74461	70.52	16.60	16.86	17.97	17.31	8.64E-19	2.40E-01	4.29E-14	9.97E-06	1.85E-12	1.55E-02	5.35E-05
490.76198	64.13	18.90	19.15	20.11	19.73	1.96E-17	2.45E-01	4.34E-14	3.53E-08	1.46E-10	3.07E-04	3.64E-02
490.80429	51.18	16.58	15.65	17.14	17.00	4.33E-42	3.97E-14	4.62E-09	3.20E-05	5.11E-15	5.11E-15	4.28E-01
490.82191	49.42	19.85	20.37	20.94	20.67	1.67E-35	5.33E-11	5.11E-15	2.51E-14	3.51E-12	5.87E-04	3.34E-03
490.8375	38.73	18.18	19.31	19.48	19.41	1.59E-30	3.66E-14	5.77E-15	2.04E-14	3.98E-01	8.11E-01	9.20E-01
490.85484	38.15	13.36	11.08	13.28	11.47	2.49E-07	1.40E-05	9.98E-01	6.62E-04	4.39E-05	8.66E-01	1.57E-03
490.87901	49.92	15.04	11.96	11.20	12.99	3.47E-06	2.79E-04	2.53E-06	3.87E-02	7.51E-01	5.52E-01	1.00E-01
490.90046	37.71	17.82	19.83	19.42	19.56	4.03E-16	5.40E-14	4.03E-10	5.25E-11	3.04E-01	6.80E-01	9.40E-01
490.94114	33.17	15.28	14.22	14.02	14.72	4.36E-04	5.25E-03	4.55E-04	3.14E-01	9.24E-01	4.40E-01	1.50E-01
491.02723	49.48	14.02	18.38	10.80	11.49	2.50E-75	5.11E-15	8.66E-15	4.33E-14	5.11E-15	5.11E-15	7.55E-02
491.193	172.21	13.21	12.64	13.49	12.80	6.58E-04	4.25E-02	5.69E-01	2.49E-01	8.80E-04	8.95E-01	1.37E-02
491.21053	64.61	14.33	19.46	12.59	13.12	6.93E-139	5.11E-15	5.11E-15	4.25E-14	5.11E-15	5.11E-15	1.50E-04
491.22063	64.6	15.19	16.37	14.15	14.48	5.99E-86	5.11E-15	5.11E-15	4.11E-14	5.11E-15	5.11E-15	4.75E-05
491.2843	185.2	14.89	16.38	17.51	16.05	5.98E-38	4.41E-14	5.11E-15	9.08E-11	2.56E-10	2.20E-01	4.73E-14
491.30308	237.47	15.10	14.92	15.50	15.73	2.86E-01	9.79E-01	7.90E-01	4.98E-01	5.71E-01	3.05E-01	9.59E-01
491.32071	204.31	16.80	17.26	17.41	17.34	1.57E-02	1.17E-01	1.64E-02	5.90E-02	8.92E-01	9.87E-01	9.85E-01
491.33874	254.82	14.82	14.27	14.58	14.23	7.86E-01	8.32E-01	9.83E-01	8.11E-01	9.65E-01	1.00E+00	9.54E-01
491.76528	68.03	13.63	10.94	14.31	13.45	9.12E-31	2.71E-14	2.89E-02	8.75E-01	5.11E-15	4.26E-14	4.69E-03
491.82574	54.13	14.91	14.91	15.78	15.74	3.25E-25	1.00E+00	4.40E-14	4.95E-14	4.26E-14	7.26E-14	9.72E-01
491.92357	64.74	12.30	12.48	13.80	14.52	1.83E-17	8.77E-01	3.97E-08	5.11E-14	3.83E-06	3.43E-12	3.44E-02
491.93426	27.6	16.91	14.29	13.59	14.54	2.07E-13	1.09E-08	3.86E-13	5.56E-07	3.53E-01	9.39E-01	1.29E-01
491.96478	26.67	10.06	14.30	14.63	12.75	5.74E-37	5.11E-15	5.11E-15	1.08E-13	7.38E-01	3.17E-05	2.30E-07
492.18169	174.37	13.00	7.75	8.89	8.77	4.65E-29	5.33E-15	4.37E-14	4.14E-14	3.94E-02	9.38E-02	9.94E-01
492.21453	64.85	15.36	16.80	14.37	14.67	6.75E-83	5.11E-15	5.11E-15	4.95E-14	5.11E-15	5.11E-15	1.90E-03
492.28714	184.41	9.06	10.37	12.91	9.98	7.52E-26	2.33E-04	5.77E-15	2.47E-02	7.94E-13	6.25E-01	4.44E-14
492.30954	206.58	14.43	13.59	11.80	13.46	1.79E-04	4.82E-01	5.33E-05	3.73E-01	1.53E-02	9.96E-01	3.52E-02
492.32377	204.27	14.02	14.81	15.05	14.89	1.67E-02	1.07E-01	1.62E-02	7.42E-02	9.07E-01	9.97E-01	9.70E-01
492.34542	211.01	15.95	14.14	13.82	14.43	4.61E-05	9.71E-04	5.28E-05	1.02E-02	9.10E-01	9.41E-01	6.13E-01
492.74258	73.56	11.91	10.12	13.11	13.04	6.21E-15	9.05E-06	5.00E-03	1.34E-02	2.60E-13	3.63E-12	9.98E-01
492.75784	57.26	17.56	16.22	18.24	17.86	2.82E-34	4.12E-14	4.56E-06	1.35E-01	5.11E-15	1.44E-14	3.80E-02
492.81735	53.25	16.80	16.51	17.22	16.57	1.12E-03	3.84E-01	1.10E-01	6.31E-01	1.25E-03	9.85E-01	5.88E-03
492.83729	38.66	17.80	17.81	17.20	17.72	1.71E-04	1.00E+00	5.11E-04	9.52E-01	6.73E-04	9.45E-01	6.91E-03
492.85832	54.49	16.45	16.10	17.27	17.09	1.13E-15	6.28E-02	5.32E-08	5.94E-05	1.31E-13	7.08E-10	6.08E-01
492.89526	40.01	14.99	15.58	14.52	15.30	5.41E-02	4.21E-01	6.11E-01	8.57E-01	3.83E-02	9.06E-01	2.14E-01

492.97658	57.26	13.85	13.33	16.48	15.93	1.47E-17	4.89E-01	4.81E-11	5.26E-07	7.57E-14	8.76E-10	4.92E-01
493.00439	62.06	13.59	16.16	11.64	12.33	1.51E-121	5.11E-15	5.11E-15	5.11E-15	5.11E-15	5.11E-15	3.71E-11
493.02664	23.12	11.25	15.63	14.29	14.73	3.07E-19	4.12E-14	2.38E-10	2.84E-12	1.67E-02	2.19E-01	7.71E-01
493.05362	24.53	14.75	16.79	15.00	15.09	1.45E-06	2.33E-06	9.15E-01	8.32E-01	6.64E-05	2.92E-04	9.97E-01
493.15935	84.11	12.33	10.49	12.50	13.18	4.22E-06	1.30E-03	9.83E-01	3.31E-01	4.53E-04	2.76E-06	5.55E-01
493.19807	156.93	10.82	11.98	12.50	12.23	3.51E-07	9.74E-04	4.03E-07	5.86E-05	3.38E-01	8.66E-01	8.28E-01
493.26174	170.75	13.62	12.94	13.93	11.61	2.99E-12	9.50E-02	7.23E-01	1.29E-09	6.27E-03	1.67E-04	8.13E-12
493.30095	197.17	15.38	14.93	14.90	15.28	5.73E-03	3.19E-02	1.54E-02	9.26E-01	9.96E-01	1.87E-01	1.16E-01
493.30231	290.85	12.95	15.77	15.97	16.05	6.55E-20	1.13E-13	4.35E-14	4.29E-14	9.43E-01	8.65E-01	9.96E-01
493.33661	213.11	16.26	16.55	16.68	16.82	4.38E-02	4.72E-01	1.45E-01	3.35E-02	9.13E-01	5.68E-01	9.10E-01
493.92874	33.59	16.41	14.30	13.64	15.18	1.58E-16	2.84E-10	4.15E-14	6.36E-04	1.48E-01	3.39E-02	1.50E-05
493.99741	20.62	18.41	18.60	18.84	18.63	2.22E-02	5.38E-01	9.45E-03	4.03E-01	2.95E-01	9.95E-01	4.59E-01
494.03789	24.68	14.37	17.31	17.49	16.84	4.01E-23	4.46E-14	4.00E-14	5.32E-13	9.41E-01	4.46E-01	1.70E-01
494.09251	20.49	11.88	14.64	12.98	13.50	3.92E-08	6.44E-09	5.40E-02	1.94E-03	1.23E-03	6.22E-02	6.62E-01
494.14373	64.53	14.43	15.10	12.99	13.48	6.21E-84	4.23E-14	5.11E-15	5.11E-15	5.11E-15	5.11E-15	4.75E-10
494.25282	97.67	17.18	13.81	14.80	14.76	2.01E-25	7.33E-15	5.50E-14	7.13E-14	3.39E-03	8.52E-03	9.98E-01
494.28959	182.42	14.13	11.59	12.78	10.96	7.00E-17	1.74E-11	5.57E-04	4.35E-14	4.52E-03	3.04E-01	5.05E-06
494.32578	182.93	8.94	14.13	15.43	12.37	1.30E-37	5.77E-15	5.11E-15	6.08E-13	1.45E-02	5.60E-04	2.35E-10
494.33964	212.77	13.75	13.82	13.91	13.95	9.51E-01	9.97E-01	9.73E-01	9.49E-01	9.96E-01	9.86E-01	9.99E-01
494.7521	63.86	16.22	13.45	16.16	16.38	1.33E-69	5.11E-15	9.59E-01	5.83E-01	5.11E-15	5.11E-15	3.16E-01
494.77176	57.5	16.25	13.63	16.10	16.02	8.23E-18	4.55E-14	9.55E-01	8.59E-01	1.46E-13	3.23E-12	9.92E-01
494.81512	45.61	14.72	9.78	11.68	12.73	1.72E-17	4.41E-14	2.70E-08	8.17E-04	1.48E-03	4.62E-07	1.96E-01
494.83446	59.98	15.38	10.50	11.51	12.89	3.49E-28	5.33E-15	4.03E-14	8.35E-09	5.06E-02	8.37E-08	4.08E-03
494.85358	42.06	18.84	20.51	20.07	20.01	3.00E-20	4.00E-14	2.49E-12	1.04E-10	3.91E-02	1.89E-02	9.85E-01
494.91172	39.21	12.29	15.49	15.15	15.52	5.45E-12	1.06E-09	4.06E-08	1.90E-09	8.95E-01	1.00E+00	8.75E-01
494.971	145.09	14.75	14.45	14.54	14.55	3.84E-01	3.29E-01	6.29E-01	6.86E-01	9.59E-01	9.52E-01	1.00E+00
494.97185	21.96	12.43	17.53	17.52	16.20	9.66E-23	4.26E-14	4.13E-14	4.12E-11	1.00E+00	6.61E-02	6.39E-02
495.09938	18.5	11.51	16.64	16.88	16.61	2.29E-36	5.11E-15	5.11E-15	5.77E-15	9.39E-01	1.00E+00	9.17E-01
495.22102	56.63	13.78	19.20	11.68	12.38	5.41E-129	5.11E-15	5.11E-15	4.41E-14	5.11E-15	5.11E-15	3.39E-05
495.2731	166.28	16.77	15.88	16.39	16.27	1.03E-11	9.27E-13	5.16E-03	1.40E-04	7.39E-05	6.73E-03	7.15E-01
495.31819	288.36	18.77	20.96	21.39	21.37	1.44E-38	7.77E-15	5.11E-15	5.11E-15	1.08E-01	1.44E-01	1.00E+00
495.85667	44.17	13.74	15.16	14.44	14.79	1.13E-05	5.21E-06	6.13E-02	1.79E-03	5.89E-02	6.02E-01	6.19E-01
495.8929	36.54	17.38	17.67	18.25	17.20	1.29E-03	6.88E-01	6.59E-03	9.15E-01	1.55E-01	3.37E-01	1.31E-03
495.91547	39.82	10.53	9.49	9.23	13.48	5.16E-44	1.43E-04	8.53E-07	7.77E-15	7.18E-01	5.11E-15	5.11E-15
495.99267	23.51	13.76	13.85	13.86	13.28	3.74E-01	9.93E-01	9.92E-01	5.55E-01	1.00E+00	4.19E-01	4.08E-01
496.22455	65.64	15.17	16.42	14.03	14.38	3.83E-73	5.11E-15	5.11E-15	4.53E-14	5.11E-15	5.11E-15	1.23E-03
496.26834	155.63	20.63	19.87	20.19	19.95	3.88E-08	8.77E-08	4.27E-03	4.40E-06	6.96E-02	9.26E-01	2.90E-01
496.30499	210.37	15.21	16.55	16.75	16.07	3.08E-05	5.19E-04	3.74E-05	6.60E-02	9.38E-01	5.19E-01	2.11E-01
496.32121	293.62	15.13	18.99	19.05	18.50	2.30E-28	1.95E-14	1.27E-14	4.35E-14	9.98E-01	5.34E-01	4.24E-01
496.71236	91.1	14.56	16.23	16.10	15.64	9.67E-17	4.86E-14	2.84E-13	7.99E-07	9.10E-01	1.89E-02	9.75E-02
496.77115	71.26	15.71	13.69	14.42	14.18	1.10E-26	5.77E-15	4.31E-13	4.13E-14	9.60E-05	2.44E-02	4.87E-01
496.78302	30.12	13.57	12.47	14.15	12.48	4.25E-06	1.36E-02	3.73E-01	1.78E-02	5.07E-05	1.00E+00	8.64E-05
496.79102	65.99	18.33	16.94	17.44	17.45	5.37E-13	1.46E-13	1.34E-06	5.30E-06	2.32E-02	2.28E-02	1.00E+00
496.84754	38.48	16.81	17.89	18.22	17.46	1.63E-12	6.74E-08	1.45E-12	3.05E-03	2.94E-01	1.23E-01	5.98E-04
496.90634	34.25	14.82	14.67	14.27	14.79	4.82E-03	8.07E-01	5.43E-03	9.99E-01	8.75E-02	8.98E-01	1.55E-02

496.92888	45.9	17.17	17.48	17.56	17.71	1.16E-01	5.06E-01	3.08E-01	8.72E-02	9.88E-01	7.60E-01	9.06E-01
496.94883	34.86	13.62	15.27	15.29	15.18	8.11E-15	1.32E-11	6.16E-12	4.21E-10	1.00E+00	9.80E-01	9.71E-01
497.03064	42.6	14.35	17.55	12.81	13.70	9.54E-23	3.05E-12	1.34E-03	4.28E-01	2.29E-14	4.51E-14	1.73E-01
497.27244	155.79	18.51	17.66	18.01	17.75	2.57E-09	7.81E-09	1.01E-03	5.75E-07	6.18E-02	9.19E-01	2.77E-01
497.28958	178.54	17.92	16.98	17.59	17.25	4.43E-10	3.92E-10	7.78E-02	1.64E-05	1.03E-04	2.62E-01	7.33E-02
497.31172	208.76	11.78	12.37	12.58	13.04	2.76E-01	7.86E-01	5.76E-01	2.12E-01	9.88E-01	7.46E-01	8.98E-01
497.3149	291.03	13.36	15.95	15.97	15.81	5.14E-21	4.15E-14	4.44E-14	6.53E-14	1.00E+00	9.70E-01	9.55E-01
497.32952	193.24	15.95	15.71	15.69	15.21	2.07E-03	5.66E-01	4.86E-01	7.03E-04	9.99E-01	5.17E-02	6.46E-02
497.34918	166.61	14.15	13.86	14.45	14.44	1.23E-01	7.08E-01	6.79E-01	7.29E-01	1.46E-01	1.83E-01	1.00E+00
497.84021	58.17	14.94	14.36	15.96	15.43	1.35E-12	1.84E-02	2.73E-06	7.98E-02	6.71E-13	3.75E-06	5.28E-02
497.8902	37.36	14.14	13.99	14.07	13.64	6.54E-01	9.81E-01	9.98E-01	6.19E-01	9.98E-01	8.45E-01	7.42E-01
497.92413	35.84	12.41	13.21	13.47	13.62	2.16E-03	8.20E-02	8.44E-03	3.04E-03	8.69E-01	6.60E-01	9.77E-01
498.0337	20.52	13.83	15.07	14.60	13.74	3.95E-04	2.14E-03	1.10E-01	9.93E-01	5.39E-01	1.65E-03	7.90E-02
498.26339	184.23	19.72	19.68	20.03	19.21	1.23E-07	9.91E-01	5.75E-02	7.47E-04	3.23E-02	3.06E-03	1.47E-08
498.27454	156.09	15.58	13.62	14.27	14.13	1.57E-14	5.57E-14	1.43E-07	2.01E-08	3.11E-02	1.50E-01	9.43E-01
498.29082	22.23	17.04	16.74	14.86	17.06	2.77E-04	9.48E-01	7.10E-04	1.00E+00	7.01E-03	9.45E-01	1.34E-03
498.29215	177.99	15.70	14.25	15.05	14.77	1.82E-10	3.14E-11	6.20E-03	4.38E-05	6.04E-04	7.03E-02	5.13E-01
498.34075	193.13	15.47	16.31	15.83	14.79	1.94E-06	7.90E-03	5.05E-01	6.02E-02	2.73E-01	6.16E-07	1.12E-03
498.71082	77.37	9.96	12.13	12.19	11.76	1.30E-09	8.34E-08	2.35E-08	2.03E-05	9.98E-01	7.76E-01	6.68E-01
498.72826	75.18	15.31	16.82	16.64	16.15	5.71E-17	4.46E-14	6.84E-13	1.50E-05	7.25E-01	1.25E-03	3.05E-02
498.78724	69.37	15.49	14.30	15.31	14.78	1.18E-09	3.23E-09	7.50E-01	1.16E-03	1.04E-06	6.53E-02	3.16E-02
498.8217	41.63	13.13	14.75	14.77	14.85	8.04E-12	1.04E-08	5.06E-09	2.69E-09	1.00E+00	9.79E-01	9.88E-01
498.8429	35.19	14.68	14.77	15.58	14.25	1.75E-03	9.93E-01	3.09E-02	5.79E-01	7.55E-02	4.42E-01	8.10E-04
498.86528	38.82	17.97	18.98	19.12	19.02	7.51E-28	4.20E-14	1.04E-14	3.93E-14	4.68E-01	9.73E-01	7.60E-01
498.88712	47.59	19.99	21.24	21.34	21.31	2.83E-30	2.73E-14	7.77E-15	2.02E-14	8.31E-01	9.48E-01	9.92E-01
498.93112	91.98	17.83	18.42	17.06	18.50	8.29E-12	1.77E-02	6.39E-04	6.68E-03	8.96E-10	9.82E-01	2.59E-10
498.99158	62.51	14.14	22.01	12.29	12.83	4.58E-161	5.11E-15	5.11E-15	4.34E-14	5.11E-15	5.11E-15	7.60E-04
499.05301	22.6	19.79	20.18	19.83	19.53	1.04E-01	3.85E-01	9.99E-01	7.40E-01	4.93E-01	6.30E-02	6.64E-01
499.06276	16.87	13.87	15.58	14.50	15.16	1.59E-06	1.37E-06	2.01E-01	6.67E-04	5.82E-03	5.98E-01	1.99E-01
499.26674	188.57	17.72	17.66	18.05	17.13	9.83E-09	9.64E-01	5.72E-02	1.16E-04	1.94E-02	1.11E-03	1.15E-09
499.28415	181.57	15.56	10.75	8.61	9.06	1.53E-58	5.11E-15	5.11E-15	5.11E-15	1.05E-08	1.66E-05	5.77E-01
499.29506	172.99	14.30	12.92	12.98	13.66	9.40E-07	6.14E-06	1.32E-05	1.04E-01	9.97E-01	5.68E-02	8.83E-02
499.3075	220.74	13.00	15.11	14.92	14.68	6.11E-03	9.12E-03	2.00E-02	6.72E-02	9.92E-01	9.29E-01	9.86E-01
499.36505	266.94	15.73	14.98	16.04	15.44	1.39E-01	3.54E-01	8.99E-01	9.25E-01	1.04E-01	7.73E-01	5.85E-01
499.89058	41.12	15.39	17.03	17.25	17.23	1.43E-22	4.96E-14	4.15E-14	4.53E-14	6.58E-01	7.32E-01	1.00E+00
499.99519	54.69	15.27	19.07	14.23	14.54	7.28E-170	5.11E-15	5.11E-15	7.77E-15	5.11E-15	5.11E-15	3.55E-06
500.02347	102.76	7.13	14.48	14.25	13.87	9.91E-47	5.11E-15	5.11E-15	5.11E-15	9.59E-01	5.69E-01	8.48E-01
500.05318	18.67	16.24	16.15	15.71	15.99	1.70E-01	9.82E-01	1.42E-01	7.52E-01	3.17E-01	9.27E-01	7.17E-01
500.09523	22.63	12.40	12.97	14.75	14.18	2.20E-13	2.48E-01	2.32E-12	2.79E-07	2.53E-07	1.32E-03	2.92E-01
500.2671	189.04	12.85	12.55	12.35	11.06	7.92E-06	8.09E-01	4.50E-01	4.33E-06	9.42E-01	3.14E-04	2.20E-03
500.27892	197.42	24.07	24.03	24.17	23.53	9.14E-07	9.74E-01	8.16E-01	3.20E-05	5.82E-01	2.99E-04	9.98E-07
500.36022	224.78	16.33	14.49	10.99	12.13	1.81E-19	4.74E-03	4.33E-14	9.84E-12	1.13E-08	3.59E-04	1.92E-01
500.72313	88.98	14.20	12.83	12.93	13.09	4.04E-06	1.78E-05	6.52E-05	1.06E-03	9.87E-01	8.33E-01	9.52E-01
500.80365	148.26	15.34	12.42	13.31	14.17	5.79E-27	5.33E-15	4.31E-14	9.29E-06	1.34E-03	7.80E-11	2.56E-03
500.82473	51.25	19.99	19.39	19.79	20.12	8.27E-15	4.52E-11	6.64E-02	4.00E-01	2.85E-05	8.10E-14	7.84E-04

500.84948	40.75	21.38	23.21	23.42	23.22	3.09E-44	5.11E-15	5.11E-15	5.11E-15	3.75E-01	1.00E+00	4.45E-01
500.86304	41.28	15.10	12.64	13.65	13.96	9.13E-08	1.30E-08	1.44E-03	2.58E-02	6.13E-02	9.53E-03	8.79E-01
500.88399	45.26	17.54	18.27	18.35	18.56	3.02E-19	5.83E-11	5.31E-13	4.29E-14	8.99E-01	4.37E-02	1.97E-01
500.98954	62.4	16.60	19.61	15.99	16.14	4.26E-160	5.11E-15	6.22E-15	4.40E-14	5.11E-15	5.11E-15	3.16E-02
501.04843	22.85	16.85	16.98	16.62	16.18	1.02E-01	9.81E-01	8.77E-01	1.77E-01	6.88E-01	9.03E-02	5.69E-01
501.07057	24.73	16.66	16.95	17.35	16.87	4.35E-03	4.04E-01	1.75E-03	7.09E-01	1.80E-01	9.72E-01	7.58E-02
501.22448	183.69	14.66	10.45	10.15	11.50	1.18E-39	5.11E-15	5.11E-15	3.96E-14	7.67E-01	4.97E-03	1.28E-04
501.28228	194.37	22.19	22.11	22.26	21.66	2.96E-06	8.85E-01	9.14E-01	4.23E-05	5.32E-01	1.15E-03	3.76E-06
501.32276	212.72	14.90	14.45	14.95	15.70	6.21E-02	7.28E-01	9.99E-01	2.76E-01	6.64E-01	3.39E-02	3.57E-01
501.39571	290.99	14.41	14.59	15.04	14.28	1.37E-01	9.46E-01	2.23E-01	9.82E-01	5.50E-01	8.09E-01	1.29E-01
501.66634	17.19	11.65	15.95	16.16	14.16	1.99E-67	5.11E-15	5.11E-15	5.33E-15	7.23E-01	4.64E-14	4.33E-14
501.82796	60.14	14.92	13.12	14.02	14.20	7.96E-12	5.75E-13	5.06E-04	1.09E-02	6.68E-04	6.11E-05	8.88E-01
501.85342	42.76	17.69	19.39	19.67	19.45	1.11E-40	5.11E-15	5.11E-15	5.11E-15	1.51E-01	9.64E-01	3.92E-01
501.85956	29.19	14.09	15.02	14.91	14.59	6.36E-03	7.05E-03	2.16E-02	3.29E-01	9.81E-01	4.75E-01	7.02E-01
501.92747	37.99	15.65	18.09	17.29	16.87	5.63E-26	5.33E-15	6.26E-14	2.58E-08	4.56E-04	7.06E-08	1.72E-01
501.99193	53.03	8.14	15.86	12.24	8.74	1.31E-27	7.33E-15	3.54E-09	7.91E-01	5.05E-07	3.67E-14	2.35E-06
502.00693	47.91	13.04	15.72	16.17	14.18	3.34E-24	4.23E-14	2.66E-14	8.89E-04	4.01E-01	4.98E-06	1.45E-09
502.03181	18.34	11.53	14.23	13.45	13.47	1.22E-06	6.94E-07	6.81E-04	9.29E-04	4.01E-01	4.63E-01	1.00E+00
502.27095	192.72	16.31	13.92	13.73	14.69	6.17E-29	1.84E-14	5.77E-15	9.35E-12	8.05E-01	3.91E-03	1.25E-04
502.28579	194.22	19.40	19.10	19.34	18.66	5.16E-08	7.69E-02	9.62E-01	8.93E-08	2.34E-01	3.97E-03	1.61E-06
502.29457	207.09	19.61	19.99	19.98	19.59	3.50E-03	3.84E-02	4.26E-02	9.98E-01	1.00E+00	3.50E-02	3.88E-02
502.73591	84.97	14.23	12.21	13.23	12.58	1.08E-13	2.72E-13	4.02E-04	4.03E-09	4.97E-04	5.03E-01	6.36E-02
502.76197	80.62	14.74	14.96	15.36	15.36	7.27E-04	6.00E-01	2.42E-03	4.14E-03	1.13E-01	1.42E-01	1.00E+00
502.7828	50.78	21.96	22.01	22.95	22.71	1.14E-36	8.92E-01	5.11E-15	4.42E-14	5.77E-15	4.46E-14	9.27E-03
502.80309	67.18	15.37	13.55	16.12	15.84	1.80E-34	4.09E-14	1.36E-04	4.62E-02	5.11E-15	6.00E-15	4.24E-01
502.82027	140.31	15.83	13.79	13.57	14.43	5.21E-19	5.66E-14	4.42E-14	1.95E-07	8.17E-01	5.81E-02	4.32E-03
502.84252	49.58	20.01	21.03	21.36	21.24	1.43E-45	5.11E-15	5.11E-15	5.11E-15	3.35E-04	5.10E-02	5.02E-01
502.9476	66.61	12.95	12.06	13.19	14.16	2.57E-08	2.01E-02	8.66E-01	8.88E-04	2.12E-03	2.99E-09	1.39E-02
503.23962	165.48	14.22	14.70	14.77	13.83	6.56E-05	1.14E-01	4.42E-02	2.73E-01	9.85E-01	7.63E-04	1.71E-04
503.26588	154.71	13.70	9.82	11.29	13.44	1.76E-24	3.29E-14	5.82E-10	9.01E-01	4.54E-04	4.42E-14	1.66E-07
503.285	187.6	16.46	15.73	16.01	15.24	1.07E-09	1.64E-04	4.29E-02	2.45E-10	3.68E-01	3.67E-02	1.43E-04
503.29814	203.17	17.67	17.95	17.96	17.53	1.35E-02	2.54E-01	2.22E-01	7.69E-01	1.00E+00	3.82E-02	3.09E-02
503.33863	202.3	14.77	14.90	14.91	15.04	9.26E-01	9.88E-01	9.82E-01	9.02E-01	1.00E+00	9.84E-01	9.89E-01
503.7863	57.63	17.85	17.45	18.87	18.57	3.26E-36	4.11E-04	3.40E-14	2.32E-11	5.11E-15	2.71E-14	1.87E-02
503.84619	49.41	15.25	16.52	16.84	16.74	1.63E-33	3.53E-14	5.11E-15	6.66E-15	5.32E-02	3.24E-01	8.62E-01
503.94182	50.77	14.61	15.54	16.54	16.22	1.84E-09	1.13E-02	2.56E-09	2.19E-06	6.15E-03	1.40E-01	7.22E-01
504.11825	29.46	12.56	16.31	16.75	14.52	6.36E-38	5.11E-15	5.11E-15	7.38E-10	4.37E-01	4.56E-08	7.94E-12
504.27177	216.72	17.78	17.80	17.60	17.70	6.85E-01	9.99E-01	7.46E-01	9.76E-01	6.86E-01	9.52E-01	9.48E-01
504.29402	211.14	15.68	15.99	15.74	15.99	8.92E-02	1.86E-01	9.85E-01	1.91E-01	3.66E-01	1.00E+00	3.67E-01
504.31041	217.14	20.46	21.31	21.02	20.93	2.13E-09	4.19E-10	4.72E-05	1.71E-03	1.06E-01	1.95E-02	8.85E-01
504.74155	71.17	14.54	14.90	15.83	15.14	1.80E-06	4.30E-01	4.96E-07	6.34E-02	7.34E-04	7.55E-01	2.78E-02
504.75995	84.75	14.77	13.72	14.01	13.96	6.88E-07	6.11E-07	4.09E-04	3.01E-04	4.62E-01	6.25E-01	9.97E-01
504.78145	49.45	20.39	20.39	21.33	21.08	8.70E-37	1.00E+00	5.11E-15	4.22E-14	5.11E-15	4.36E-14	4.22E-03
504.79902	53.8	20.81	21.24	22.01	21.75	9.52E-40	3.14E-07	5.11E-15	7.33E-15	4.24E-14	6.03E-09	6.35E-03
504.83834	45.07	17.17	16.85	17.59	17.68	3.62E-12	1.94E-02	1.34E-03	1.10E-04	3.13E-09	1.49E-10	8.76E-01

504.85287	38.16	14.37	14.09	13.47	14.37	6.22E-02	8.75E-01	7.17E-02	1.00E+00	3.60E-01	8.88E-01	9.58E-02
504.94537	19.11	10.22	13.32	13.95	13.46	3.56E-12	5.88E-08	4.11E-11	3.13E-08	6.28E-01	9.94E-01	8.03E-01
504.963	57	13.33	13.53	14.90	14.92	7.49E-10	8.90E-01	5.01E-07	9.98E-07	2.96E-05	4.61E-05	1.00E+00
505.06368	63.74	9.59	15.09	8.61	8.94	1.47E-110	5.11E-15	1.03E-08	4.29E-04	5.11E-15	5.11E-15	1.94E-01
505.07456	19.72	14.83	12.78	13.31	14.59	6.26E-05	2.24E-04	1.01E-02	9.62E-01	7.11E-01	3.02E-03	6.23E-02
505.10784	23.13	15.13	15.02	14.83	15.20	7.88E-01	9.90E-01	8.54E-01	9.97E-01	9.63E-01	9.62E-01	7.73E-01
505.25695	165.25	18.88	17.72	17.99	17.92	2.49E-17	4.29E-14	1.29E-10	2.38E-11	1.68E-01	4.49E-01	9.54E-01
505.27568	211.75	15.36	14.89	14.35	14.61	3.51E-04	2.05E-01	1.78E-04	1.33E-02	1.24E-01	6.83E-01	7.29E-01
505.29853	205.49	14.81	13.87	13.70	13.98	2.77E-07	3.19E-05	4.70E-07	5.14E-04	8.42E-01	9.50E-01	5.34E-01
505.31381	211.54	18.38	19.22	18.93	18.81	4.29E-07	9.56E-08	8.20E-04	2.16E-02	1.93E-01	3.27E-02	8.42E-01
505.33634	209.55	15.94	16.51	16.30	15.92	3.37E-01	4.12E-01	7.62E-01	1.00E+00	9.42E-01	4.24E-01	7.57E-01
505.35411	194.57	14.82	14.16	13.82	14.28	8.86E-02	3.53E-01	5.43E-02	5.54E-01	8.23E-01	9.92E-01	6.71E-01
505.78416	58.76	15.83	14.46	16.84	16.54	5.41E-53	1.02E-14	4.65E-14	7.28E-08	5.11E-15	5.11E-15	6.86E-02
505.80176	56.41	16.51	16.45	17.83	17.49	1.02E-39	9.15E-01	5.11E-15	4.29E-14	5.11E-15	4.20E-14	5.98E-03
505.95965	55.34	14.16	16.36	17.10	16.23	1.65E-29	4.27E-14	5.11E-15	4.31E-14	7.66E-03	9.47E-01	1.50E-03
506.0635	22.12	14.14	15.99	16.01	15.88	7.10E-08	2.61E-06	1.75E-06	2.10E-05	1.00E+00	9.90E-01	9.86E-01
506.1261	22.96	16.91	18.10	17.84	17.52	1.13E-06	8.14E-07	1.50E-04	3.69E-02	6.51E-01	5.76E-02	4.88E-01
506.25945	149.03	17.07	15.47	15.60	15.75	2.59E-20	4.35E-14	4.33E-14	2.67E-12	8.57E-01	3.83E-01	8.39E-01
506.28944	205.2	16.51	17.37	17.50	16.73	1.02E-07	4.13E-05	1.29E-06	6.59E-01	9.03E-01	7.36E-03	6.26E-04
506.31424	194.27	14.48	16.08	14.83	13.85	1.22E-07	5.55E-05	7.43E-01	3.01E-01	3.56E-03	4.79E-08	4.00E-02
506.32568	207.89	19.09	14.72	15.20	15.02	4.60E-59	5.11E-15	5.11E-15	5.11E-15	1.32E-01	5.34E-01	8.68E-01
506.33945	205.95	13.09	13.83	13.80	13.00	1.80E-01	4.01E-01	4.28E-01	9.98E-01	1.00E+00	3.48E-01	3.72E-01
506.73912	80.44	13.46	12.16	13.97	13.29	9.23E-10	4.51E-06	1.84E-01	9.18E-01	2.43E-10	2.22E-04	5.64E-02
506.7789	58.98	16.96	16.54	17.97	17.60	3.11E-33	2.96E-04	4.15E-14	1.45E-08	5.11E-15	4.22E-14	3.58E-03
506.79587	54.53	19.56	19.55	20.46	20.33	2.94E-29	9.99E-01	3.35E-14	4.46E-14	3.66E-14	4.53E-14	5.00E-01
506.81123	41.11	18.36	19.12	19.36	19.34	3.10E-15	3.03E-08	2.97E-13	5.72E-12	2.38E-01	3.78E-01	9.96E-01
506.83155	47.97	12.86	8.32	12.44	12.49	3.86E-08	1.97E-07	9.49E-01	9.67E-01	4.59E-06	7.66E-06	1.00E+00
506.87423	40.61	19.65	21.83	21.47	21.48	5.65E-26	1.53E-14	4.24E-14	4.31E-14	2.50E-01	2.88E-01	1.00E+00
507.01824	17.27	10.85	11.77	13.27	12.94	7.98E-07	1.98E-01	1.91E-06	9.93E-05	9.13E-03	7.98E-02	9.05E-01
507.27341	160.59	23.88	23.58	24.03	23.74	2.41E-04	2.06E-02	4.09E-01	5.52E-01	1.18E-04	4.53E-01	3.15E-02
507.31577	194.41	15.76	16.23	15.78	15.57	3.72E-01	5.78E-01	1.00E+00	9.57E-01	6.30E-01	3.22E-01	9.45E-01
507.32961	214.56	16.45	12.07	12.20	13.10	3.60E-59	5.11E-15	5.11E-15	5.11E-15	9.35E-01	5.75E-05	5.17E-04
507.44225	225.57	19.15	17.19	17.11	17.55	1.12E-14	9.72E-12	1.01E-12	5.22E-08	9.91E-01	5.75E-01	3.92E-01
507.79927	58.25	14.55	13.36	15.77	15.52	5.04E-30	4.00E-09	8.97E-10	3.24E-06	5.11E-15	2.35E-14	5.61E-01
507.87767	40.72	15.37	17.85	17.47	17.41	2.07E-24	2.64E-14	4.37E-14	4.37E-14	3.55E-01	2.58E-01	9.95E-01
507.96859	27.37	10.42	15.88	16.16	15.31	2.00E-51	5.11E-15	5.11E-15	5.11E-15	8.22E-01	3.31E-01	5.52E-02
508.04314	23.69	13.50	13.38	12.94	13.24	6.96E-01	9.95E-01	6.55E-01	9.55E-01	8.10E-01	9.93E-01	9.35E-01
508.13072	22.98	13.60	14.36	13.10	13.33	1.42E-03	8.75E-02	3.90E-01	8.44E-01	8.75E-04	1.41E-02	8.99E-01
508.27607	152.24	21.94	21.62	22.10	21.80	1.94E-04	1.67E-02	4.15E-01	5.56E-01	9.18E-05	4.10E-01	3.28E-02
508.30523	180.72	14.15	15.48	15.66	14.74	1.13E-06	6.71E-05	3.23E-06	2.09E-01	9.28E-01	8.85E-02	1.71E-02
508.32701	199.48	16.36	17.35	16.49	16.06	4.07E-09	2.26E-06	9.07E-01	4.11E-01	7.09E-05	3.74E-09	1.39E-01
508.34137	235.36	18.34	20.20	19.75	20.36	2.49E-10	2.92E-08	3.13E-05	3.70E-09	4.75E-01	9.54E-01	2.19E-01
508.44585	225.67	17.15	13.87	13.75	14.90	2.63E-16	2.97E-13	6.78E-14	1.06E-06	9.92E-01	7.69E-02	3.53E-02
508.72767	65.84	15.90	13.40	16.34	16.34	3.66E-49	5.11E-15	3.85E-02	4.69E-02	5.11E-15	5.11E-15	1.00E+00
508.74049	74.49	13.30	10.25	13.28	12.63	1.09E-23	3.55E-14	1.00E+00	1.09E-01	4.09E-14	8.30E-13	1.43E-01

508.79193	60.17	16.82	15.79	17.01	16.71	9.84E-20	5.51E-14	3.70E-01	7.95E-01	4.20E-14	4.83E-11	7.39E-02
508.81186	50.89	18.44	17.40	17.85	18.14	8.35E-07	2.98E-07	6.85E-03	3.95E-01	8.74E-02	9.82E-04	4.10E-01
508.83194	58.3	14.97	11.71	15.53	15.19	4.49E-29	3.53E-14	2.40E-01	8.86E-01	6.00E-15	3.31E-14	7.11E-01
508.87069	43.01	16.94	17.80	17.29	17.47	2.87E-05	7.84E-06	1.77E-01	1.64E-02	2.16E-02	2.72E-01	7.50E-01
508.88974	35.18	17.17	19.76	19.42	19.34	5.47E-27	1.20E-14	4.16E-14	4.49E-14	4.39E-01	2.88E-01	9.88E-01
508.95034	60.94	12.34	10.72	14.65	14.50	1.47E-23	1.00E-04	8.96E-09	2.45E-07	4.00E-14	4.22E-14	9.78E-01
508.97349	72.64	13.21	15.31	11.14	11.81	3.34E-74	5.11E-15	5.11E-15	4.29E-14	5.11E-15	5.11E-15	1.43E-04
508.98771	19.46	12.29	15.68	15.90	15.30	4.05E-18	1.09E-13	4.43E-14	6.62E-11	9.51E-01	8.10E-01	4.90E-01
509.05136	22.03	14.40	15.70	14.99	15.73	3.38E-06	3.08E-05	1.41E-01	3.12E-05	6.40E-02	9.99E-01	5.60E-02
509.1332	85.47	12.40	12.56	15.00	14.84	1.15E-10	9.86E-01	1.25E-07	1.92E-06	1.61E-06	1.74E-05	9.87E-01
509.271	163.3	10.45	12.16	12.09	11.58	1.73E-02	2.45E-02	3.17E-02	2.61E-01	9.99E-01	7.95E-01	8.48E-01
509.27965	152.26	18.72	18.53	19.11	18.89	2.32E-03	5.68E-01	5.16E-02	7.08E-01	1.20E-03	1.09E-01	5.07E-01
509.28898	165.8	24.07	23.34	23.67	23.41	6.78E-13	4.72E-12	2.84E-04	1.61E-09	3.87E-03	8.65E-01	5.22E-02
509.3315	205.28	16.29	17.45	17.30	16.73	4.02E-09	2.60E-08	1.25E-06	1.13E-01	8.59E-01	2.15E-03	2.33E-02
509.34474	211.17	16.46	18.20	16.44	18.62	3.93E-19	7.41E-10	1.00E+00	1.66E-13	9.59E-10	3.99E-01	2.33E-13
509.89177	33.35	10.94	14.59	14.01	14.52	3.79E-22	4.29E-14	7.96E-14	4.35E-14	4.10E-01	9.97E-01	5.58E-01
509.90804	35.97	14.39	12.25	12.98	12.91	8.34E-04	3.91E-04	3.77E-02	3.45E-02	5.23E-01	6.29E-01	9.99E-01
509.97266	17.36	14.92	15.13	14.87	13.93	1.42E-02	9.39E-01	9.99E-01	4.68E-02	8.95E-01	1.21E-02	7.47E-02
510.23661	208.88	14.53	14.28	13.87	14.43	5.64E-02	7.59E-01	4.43E-02	9.83E-01	3.84E-01	9.39E-01	1.45E-01
510.28657	171.47	22.11	21.39	21.80	21.49	2.88E-11	1.38E-10	1.07E-02	6.90E-08	8.14E-04	7.98E-01	2.40E-02
510.33453	199.23	13.87	14.38	14.39	14.47	4.29E-02	1.31E-01	1.10E-01	5.87E-02	1.00E+00	9.80E-01	9.87E-01
510.34517	210.19	14.72	16.80	14.92	15.73	1.64E-15	6.06E-14	8.37E-01	4.30E-04	7.58E-12	2.81E-04	9.39E-03
510.72549	66.43	14.59	11.66	15.28	15.28	7.68E-33	3.31E-14	5.20E-02	6.55E-02	5.11E-15	5.33E-15	1.00E+00
510.74887	75.8	17.63	18.11	18.39	17.63	4.22E-10	8.31E-04	1.89E-08	1.00E+00	1.25E-01	1.52E-03	8.74E-08
510.80858	72.06	16.10	14.53	14.51	14.64	3.29E-20	4.42E-14	4.16E-14	2.03E-13	1.00E+00	9.38E-01	9.00E-01
510.82846	44.48	19.88	20.75	20.06	20.33	2.30E-13	2.40E-13	3.37E-01	3.66E-04	8.11E-09	1.37E-03	7.81E-02
510.86155	35.64	14.01	12.37	13.82	13.20	3.05E-06	4.06E-06	9.35E-01	6.96E-02	8.37E-05	6.95E-02	2.52E-01
510.88534	41.02	15.13	18.57	18.53	18.58	5.89E-29	2.20E-14	2.26E-14	2.95E-14	9.99E-01	1.00E+00	9.99E-01
510.92286	26.75	14.74	15.52	15.29	16.05	4.02E-06	5.92E-03	8.80E-02	9.21E-07	7.75E-01	1.45E-01	1.22E-02
511.00362	17.14	13.22	15.23	14.91	13.50	3.95E-15	3.57E-12	3.43E-09	7.27E-01	6.22E-01	1.26E-08	3.88E-06
511.15118	72.76	8.61	8.31	11.74	12.31	1.93E-28	8.33E-01	4.61E-14	4.26E-14	4.17E-14	3.97E-14	4.39E-01
511.1948	65.24	19.61	21.18	19.17	19.22	5.39E-77	5.11E-15	2.48E-08	2.72E-06	5.11E-15	5.11E-15	8.97E-01
511.29147	167.53	19.24	18.35	18.90	18.61	1.12E-11	6.75E-12	2.12E-02	2.67E-06	4.47E-05	1.56E-01	8.88E-02
511.30518	186.8	22.00	21.67	22.04	21.32	4.15E-08	3.28E-02	9.88E-01	8.92E-07	1.53E-02	3.96E-02	3.17E-07
511.34694	196.19	14.80	14.98	14.73	14.55	3.50E-01	8.52E-01	9.91E-01	7.02E-01	7.07E-01	2.70E-01	8.62E-01
511.47394	258.49	23.07	22.69	22.59	22.29	4.42E-08	9.98E-03	3.53E-04	8.84E-09	8.14E-01	9.77E-03	9.60E-02
511.83048	49.45	14.89	15.61	14.90	14.90	2.68E-03	6.44E-03	1.00E+00	1.00E+00	8.99E-03	1.36E-02	1.00E+00
511.86658	38.28	16.84	16.55	17.21	16.18	1.97E-02	8.09E-01	6.45E-01	1.83E-01	1.86E-01	6.76E-01	1.19E-02
512.0295	26.7	11.87	14.78	14.68	13.75	1.37E-19	4.26E-14	4.40E-14	9.02E-08	9.87E-01	9.55E-03	2.33E-02
512.19859	57.41	17.33	18.91	16.79	16.88	1.61E-81	5.11E-15	1.29E-11	3.75E-08	5.11E-15	5.11E-15	6.77E-01
512.2999	195.92	22.76	22.28	22.30	22.11	5.79E-09	1.40E-05	3.54E-05	7.03E-09	9.95E-01	3.88E-01	2.56E-01
512.30738	180.08	17.72	19.46	19.99	18.87	1.42E-20	4.27E-13	3.70E-14	3.19E-06	8.62E-02	5.19E-02	1.07E-05
512.32093	192.52	12.63	16.96	16.86	15.73	1.15E-67	5.11E-15	5.11E-15	5.11E-15	9.61E-01	1.62E-08	1.53E-07
512.47732	263.7	21.48	21.05	20.97	20.70	7.96E-08	3.28E-03	2.48E-04	2.15E-08	9.20E-01	3.96E-02	1.63E-01
512.74576	76.13	15.79	15.16	15.35	15.37	8.83E-05	3.99E-05	7.17E-03	1.72E-02	5.25E-01	4.50E-01	9.98E-01

512.76442	63.12	18.22	17.90	18.14	18.13	4.11E-02	2.72E-02	9.10E-01	8.66E-01	1.53E-01	2.25E-01	9.99E-01
512.82267	41.68	18.03	18.54	18.82	18.23	9.49E-12	1.95E-05	1.02E-11	2.51E-01	4.99E-02	3.51E-02	1.92E-06
512.88052	41.07	15.52	16.02	16.02	16.32	5.84E-04	3.76E-02	3.44E-02	2.46E-04	1.00E+00	4.34E-01	4.31E-01
512.90271	41.58	18.06	18.16	18.41	18.44	2.24E-01	9.64E-01	3.40E-01	3.07E-01	6.54E-01	6.03E-01	9.99E-01
512.9231	39.3	15.11	17.31	17.60	17.26	1.25E-30	2.71E-14	5.33E-15	3.69E-14	4.79E-01	9.97E-01	3.72E-01
513.00643	54.05	13.99	18.81	10.94	11.59	2.02E-87	5.11E-15	5.33E-15	4.32E-14	5.11E-15	5.11E-15	5.36E-02
513.04756	60.75	13.83	17.30	12.10	12.67	6.96E-113	5.11E-15	5.11E-15	4.44E-14	5.11E-15	5.11E-15	3.97E-05
513.1945	66.69	14.00	14.88	12.19	12.86	4.25E-66	3.03E-13	5.11E-15	4.22E-14	5.11E-15	5.11E-15	1.11E-07
513.30318	289.05	17.81	17.83	17.70	18.50	1.43E-06	9.98E-01	8.69E-01	4.30E-05	7.91E-01	1.52E-04	2.29E-06
513.30324	196.48	20.68	20.07	20.10	19.94	1.55E-09	1.44E-06	4.20E-06	8.89E-09	9.93E-01	6.97E-01	5.28E-01
513.31111	184.08	14.87	16.02	16.42	15.69	5.84E-04	1.44E-02	2.84E-04	1.54E-01	7.19E-01	8.43E-01	2.50E-01
513.32427	194.02	13.27	15.40	15.25	14.40	8.53E-12	1.54E-10	1.69E-09	1.83E-03	9.66E-01	1.13E-02	3.95E-02
513.47981	258.65	18.84	18.17	18.05	17.83	2.11E-10	2.99E-05	5.06E-07	3.51E-10	8.56E-01	1.09E-01	4.35E-01
513.81395	63.86	13.30	11.37	13.41	13.11	1.89E-12	3.00E-10	9.78E-01	9.10E-01	6.80E-11	7.78E-08	7.29E-01
513.86625	38.98	14.68	13.12	13.25	13.02	2.06E-06	4.78E-05	1.83E-04	2.05E-05	9.85E-01	9.91E-01	9.17E-01
513.89791	36.78	13.03	14.15	14.90	14.16	1.73E-05	1.46E-02	3.79E-06	1.71E-02	1.86E-01	1.00E+00	2.14E-01
514.08551	19.9	13.58	16.09	15.06	14.56	5.03E-05	1.35E-05	2.25E-02	2.57E-01	2.06E-01	2.73E-02	7.93E-01
514.25547	165.99	12.20	11.96	13.93	11.89	9.32E-08	9.06E-01	2.27E-05	8.44E-01	2.00E-06	9.99E-01	1.70E-06
514.28566	23.85	21.49	21.93	20.01	21.38	2.32E-03	8.18E-01	2.00E-02	9.97E-01	1.58E-03	7.32E-01	5.33E-02
514.30583	196.61	17.91	16.45	17.02	16.77	1.47E-06	8.86E-07	5.66E-03	2.99E-04	1.59E-01	6.71E-01	8.04E-01
514.37545	188.17	13.14	14.93	14.97	14.34	1.99E-13	3.43E-11	1.01E-11	2.27E-05	9.99E-01	1.02E-01	7.25E-02
514.67385	20.99	12.78	16.09	16.02	14.27	1.57E-40	5.11E-15	5.11E-15	2.66E-09	9.87E-01	1.80E-12	8.53E-12
514.70249	82.72	9.07	11.16	11.48	9.57	1.31E-06	2.29E-04	1.15E-05	7.57E-01	9.21E-01	1.50E-02	1.76E-03
514.76228	66.26	15.91	15.56	16.55	15.96	2.39E-12	2.17E-02	1.19E-06	9.71E-01	3.57E-13	9.34E-03	3.34E-05
514.81683	38	15.34	15.89	16.63	15.55	4.86E-11	1.36E-02	3.87E-11	6.66E-01	3.89E-04	2.84E-01	1.66E-07
514.83997	145.53	14.05	7.13	6.78	9.85	1.00E-37	5.11E-15	5.11E-15	1.81E-13	9.04E-01	3.40E-06	1.00E-07
514.86168	41.06	20.24	21.13	21.42	21.36	1.55E-25	8.19E-14	2.22E-14	4.13E-14	4.08E-02	1.68E-01	9.55E-01
514.9616	54.23	11.98	21.16	12.73	13.64	2.96E-64	5.11E-15	2.32E-01	3.83E-04	5.11E-15	5.11E-15	1.28E-01
514.9834	30.85	11.83	18.06	16.36	15.35	3.61E-56	5.11E-15	5.11E-15	7.55E-15	1.05E-07	4.36E-14	4.94E-03
515.05674	22.54	13.92	17.56	17.17	16.09	9.45E-28	7.33E-15	2.98E-14	1.56E-10	5.97E-01	3.84E-05	3.82E-03
515.06957	18.58	11.66	13.22	14.95	12.95	4.98E-08	1.48E-02	5.53E-09	7.28E-02	7.23E-03	9.61E-01	1.73E-03
515.29033	25.5	19.42	19.73	17.40	19.12	4.71E-04	9.48E-01	2.76E-03	9.59E-01	5.70E-04	7.49E-01	2.39E-02
515.30303	194.12	15.15	14.32	15.01	15.92	4.20E-02	3.76E-01	9.93E-01	4.81E-01	5.55E-01	2.03E-02	3.48E-01
515.68066	19.17	9.77	13.63	13.93	12.49	2.70E-38	5.11E-15	5.11E-15	4.20E-14	7.09E-01	9.21E-04	1.03E-05
515.86444	49.19	16.14	17.01	17.40	17.30	1.13E-21	1.13E-10	4.14E-14	4.21E-14	1.42E-02	1.26E-01	8.81E-01
515.96699	63.17	13.83	16.60	12.02	12.67	1.21E-136	5.11E-15	5.11E-15	5.11E-15	5.11E-15	5.11E-15	6.09E-13
515.98117	26.99	17.57	18.54	17.57	17.47	8.88E-11	2.35E-08	1.00E+00	9.27E-01	3.80E-08	5.09E-09	9.40E-01
516.05549	18.07	12.41	16.39	15.19	15.37	1.96E-15	4.53E-14	1.63E-08	5.84E-09	4.60E-02	1.43E-01	9.79E-01
516.12608	20.72	14.59	13.67	13.26	14.97	4.82E-03	2.67E-01	4.28E-02	8.91E-01	8.60E-01	7.60E-02	8.24E-03
516.25898	172.21	8.70	12.75	10.41	9.59	1.61E-21	2.71E-14	2.69E-05	8.91E-02	1.50E-08	2.22E-13	1.43E-01
516.27493	175.85	14.61	15.91	16.30	15.76	2.61E-07	1.03E-04	1.70E-07	1.15E-03	5.72E-01	9.62E-01	3.04E-01
516.7771	148.77	14.26	12.74	13.51	13.89	7.08E-03	3.78E-03	3.13E-01	8.52E-01	3.25E-01	6.53E-02	8.33E-01
516.79804	57.75	19.45	18.76	19.88	19.71	3.62E-31	5.47E-14	1.17E-06	1.16E-02	5.11E-15	2.38E-14	1.74E-01
516.81936	45.88	21.26	22.57	23.04	22.82	1.14E-44	5.33E-15	5.11E-15	5.11E-15	1.08E-04	1.14E-01	1.90E-01
516.83731	47.01	16.40	17.09	16.90	17.05	1.16E-08	6.85E-08	1.28E-04	1.03E-06	3.79E-01	9.82E-01	6.34E-01

516.85779	47.45	18.19	18.87	19.06	19.15	1.28E-22	7.98E-12	4.17E-14	4.12E-14	1.75E-01	2.38E-02	8.10E-01
516.96405	63.34	14.80	18.43	13.47	13.88	2.91E-149	5.11E-15	5.11E-15	9.33E-15	5.11E-15	5.11E-15	1.73E-06
516.98372	49.54	10.96	14.66	15.13	12.89	2.29E-11	1.81E-08	1.64E-10	1.05E-02	8.75E-01	2.72E-02	2.43E-03
517.03957	18.19	13.67	15.90	16.44	15.91	2.37E-10	1.03E-06	7.01E-10	1.97E-06	5.78E-01	1.00E+00	6.00E-01
517.25654	182.62	13.29	12.63	13.39	12.10	1.74E-04	1.36E-01	9.88E-01	1.18E-03	7.30E-02	3.70E-01	4.79E-04
517.27727	166.38	11.50	12.22	12.59	12.21	6.32E-02	2.96E-01	3.93E-02	3.42E-01	8.16E-01	1.00E+00	8.05E-01
517.31764	182.63	16.20	15.25	16.03	16.29	1.20E-01	1.66E-01	9.82E-01	9.97E-01	3.43E-01	1.38E-01	9.46E-01
517.80179	62.34	14.73	11.40	14.10	14.04	1.88E-42	5.11E-15	8.14E-03	4.20E-03	5.11E-15	5.33E-15	9.90E-01
517.82255	52.92	17.22	18.61	19.20	18.94	3.21E-42	1.44E-14	5.11E-15	5.11E-15	1.98E-05	5.48E-02	1.63E-01
517.89573	35.41	16.08	16.98	16.81	16.29	7.89E-09	6.95E-08	1.46E-05	5.15E-01	6.81E-01	1.61E-04	7.70E-03
517.90544	38.58	13.17	16.34	15.42	15.62	2.68E-34	5.11E-15	4.02E-14	2.91E-14	3.19E-04	1.08E-02	8.24E-01
517.96557	58.58	12.09	14.04	10.61	10.09	1.92E-31	4.83E-10	2.14E-06	5.07E-10	1.02E-14	5.11E-15	3.14E-01
517.98106	50.38	13.88	16.62	17.15	15.68	3.02E-32	1.55E-14	5.11E-15	2.24E-11	1.37E-01	1.57E-03	1.12E-07
518.25076	176.84	17.39	16.44	16.30	16.27	2.64E-13	1.87E-08	8.48E-11	8.90E-11	8.20E-01	7.06E-01	9.95E-01
518.28786	209.68	16.03	14.92	15.22	14.45	6.62E-10	7.23E-06	1.61E-03	2.64E-10	5.57E-01	1.85E-01	5.91E-03
518.32105	183.14	14.51	13.23	13.77	14.32	1.78E-02	1.59E-02	3.06E-01	9.72E-01	5.97E-01	7.74E-02	6.17E-01
518.75666	59.37	20.43	20.40	21.60	21.29	3.64E-22	9.98E-01	4.33E-14	1.04E-09	4.42E-14	1.15E-09	1.04E-01
518.77712	55.59	16.11	14.50	17.37	17.05	2.77E-55	9.33E-15	4.33E-14	1.04E-09	5.11E-15	5.11E-15	1.22E-01
518.79343	137.44	15.26	14.27	14.56	14.90	9.47E-08	6.09E-08	1.67E-04	1.47E-01	3.33E-01	2.42E-03	2.07E-01
518.81776	43.46	19.87	20.72	21.31	21.12	8.74E-43	4.26E-14	5.11E-15	5.11E-15	1.25E-09	8.61E-05	1.79E-01
518.9259	48.97	12.77	15.21	16.24	16.02	7.94E-18	8.32E-09	4.27E-14	1.68E-13	4.86E-02	2.00E-01	9.48E-01
518.96771	145.26	7.81	7.49	7.71	12.50	2.56E-38	7.76E-01	9.91E-01	5.11E-15	9.17E-01	5.11E-15	5.11E-15
519.05358	18.67	16.58	17.07	17.29	17.55	1.09E-01	6.13E-01	2.77E-01	8.51E-02	9.47E-01	6.58E-01	9.24E-01
519.25415	167.42	14.50	12.63	12.71	12.91	3.51E-17	6.46E-14	1.77E-13	1.41E-10	9.84E-01	6.38E-01	8.35E-01
519.27161	180.82	14.39	13.42	13.21	13.48	6.68E-07	1.03E-04	9.15E-07	4.89E-04	7.70E-01	9.93E-01	6.23E-01
519.76013	60.27	15.86	14.41	17.31	16.93	1.66E-28	5.24E-09	3.50E-09	3.62E-05	5.33E-15	3.67E-14	3.85E-01
519.82021	53.26	15.24	16.11	16.79	16.55	2.94E-31	9.28E-12	5.11E-15	2.71E-14	1.45E-07	2.18E-03	1.86E-01
519.91659	46.33	15.62	16.99	17.57	17.12	1.05E-25	7.35E-14	7.33E-15	4.33E-14	3.93E-03	8.85E-01	4.68E-02
520.09184	29.67	11.88	14.98	15.45	12.95	3.53E-24	4.26E-14	3.33E-14	1.18E-02	5.19E-01	1.89E-07	8.92E-11
520.24558	220.04	15.79	16.46	15.73	16.12	3.78E-03	1.11E-02	9.92E-01	4.43E-01	5.59E-03	4.40E-01	3.08E-01
520.2672	207.39	19.07	19.63	19.57	19.20	2.20E-04	8.62E-04	4.02E-03	8.23E-01	9.69E-01	2.72E-02	8.06E-02
520.73316	89	13.20	12.15	12.32	12.19	2.98E-03	6.07E-03	3.02E-02	1.18E-02	9.48E-01	9.99E-01	9.77E-01
520.75491	59.42	19.08	19.03	20.21	19.91	5.58E-22	9.75E-01	4.35E-14	2.87E-09	4.39E-14	8.20E-10	9.71E-02
520.77218	53.67	19.12	19.24	20.40	20.10	1.44E-22	7.93E-01	4.19E-14	2.73E-11	4.66E-14	1.27E-08	1.22E-01
520.78573	129.57	13.65	9.62	9.30	10.68	1.46E-54	5.11E-15	5.11E-15	5.11E-15	5.03E-01	5.20E-05	6.22E-08
520.81341	54.13	17.21	16.95	17.89	17.76	2.11E-19	4.99E-02	2.83E-10	1.22E-06	4.40E-14	3.26E-12	5.67E-01
520.82711	46.51	14.23	12.87	13.54	14.39	6.67E-05	4.86E-04	1.73E-01	9.68E-01	2.16E-01	1.88E-04	8.13E-02
520.86561	35.48	14.43	15.33	15.47	15.20	6.28E-04	5.38E-03	7.41E-04	2.76E-02	9.57E-01	9.72E-01	7.86E-01
520.89001	41.65	17.40	18.80	18.44	18.66	6.13E-13	8.40E-12	3.07E-07	1.67E-09	2.35E-01	9.00E-01	6.62E-01
520.91087	41.24	15.96	18.82	18.62	18.64	3.85E-22	4.35E-14	4.19E-14	4.43E-14	9.03E-01	9.36E-01	1.00E+00
520.93657	59.25	13.15	13.40	15.22	15.22	1.39E-15	8.23E-01	5.05E-11	2.04E-10	2.03E-08	5.59E-08	1.00E+00
520.99408	68.35	13.42	15.41	11.37	12.16	4.38E-65	6.00E-15	5.33E-15	6.23E-12	5.11E-15	5.11E-15	3.40E-05
521.03492	31.02	19.16	18.70	18.48	18.22	1.52E-06	3.32E-02	4.01E-04	7.63E-07	5.96E-01	3.61E-02	4.30E-01
521.22949	163.9	14.93	15.44	15.76	14.80	1.57E-06	3.13E-02	6.88E-05	9.06E-01	3.54E-01	6.64E-03	1.04E-05
521.27055	210.95	16.61	16.98	16.94	16.60	3.56E-02	1.22E-01	1.75E-01	1.00E+00	9.98E-01	1.32E-01	1.86E-01

521.27162	152.51	18.63	16.35	17.22	17.30	1.34E-23	7.99E-15	1.68E-11	7.79E-10	7.15E-05	2.51E-05	9.80E-01
521.28902	169.97	12.28	9.98	12.53	10.94	2.15E-10	6.54E-08	9.12E-01	4.81E-03	3.89E-09	9.01E-02	6.40E-04
521.31178	186.08	14.49	14.32	14.87	11.82	1.31E-13	9.63E-01	7.40E-01	1.46E-10	4.65E-01	5.81E-09	1.02E-12
521.75817	62.55	13.73	11.91	15.45	14.74	2.43E-25	9.56E-09	5.14E-08	4.35E-03	7.55E-15	4.31E-14	9.43E-02
521.77563	60.03	14.18	12.63	15.73	15.40	2.05E-24	1.70E-07	1.47E-07	1.14E-04	1.98E-14	4.19E-14	6.30E-01
521.91584	51.33	12.23	12.16	12.99	14.11	3.92E-05	9.98E-01	2.68E-01	1.33E-04	2.16E-01	1.08E-04	5.87E-02
521.93376	58.52	13.69	15.56	16.95	16.17	4.71E-27	5.83E-11	5.33E-15	4.27E-14	2.58E-06	1.20E-01	2.52E-02
521.99664	33.77	11.47	16.41	16.44	14.61	3.84E-36	5.11E-15	5.11E-15	6.18E-14	1.00E+00	2.16E-05	1.32E-05
522.05641	24.11	12.24	17.45	17.52	16.32	3.31E-56	5.11E-15	5.11E-15	5.11E-15	9.96E-01	5.92E-04	2.14E-04
522.08941	18.64	13.27	17.04	15.05	14.00	6.06E-10	3.17E-10	6.31E-03	5.58E-01	2.45E-03	1.91E-06	2.60E-01
522.26137	192.94	16.11	16.01	16.34	15.50	3.04E-06	9.11E-01	3.86E-01	4.75E-04	1.28E-01	6.69E-03	8.33E-07
522.28439	167.96	22.46	21.40	21.72	21.75	3.64E-20	3.89E-14	1.34E-11	3.94E-10	1.32E-02	6.90E-03	9.90E-01
522.75274	60.5	15.98	14.06	17.16	16.78	1.94E-30	9.15E-14	2.62E-06	4.24E-03	5.11E-15	2.11E-14	3.90E-01
522.76971	54.88	18.03	17.61	19.09	18.80	2.09E-26	5.30E-03	5.86E-14	5.75E-08	1.33E-14	4.26E-14	1.19E-01
522.78525	48.69	18.33	17.79	18.43	18.70	1.17E-08	4.23E-04	8.54E-01	3.77E-02	2.27E-05	4.11E-09	2.37E-01
522.80608	54.11	12.94	6.83	9.76	11.50	1.84E-20	3.82E-14	4.22E-07	7.08E-02	7.42E-06	3.18E-12	2.26E-02
522.80648	149.79	11.77	4.22	4.82	7.06	2.25E-34	5.11E-15	5.11E-15	7.42E-14	7.00E-01	9.90E-06	7.11E-04
522.84824	37.91	20.95	22.85	22.59	22.53	3.09E-36	5.11E-15	5.77E-15	1.29E-14	2.01E-01	9.89E-02	9.78E-01
522.90565	41.97	15.16	16.56	16.40	16.68	3.44E-12	2.33E-09	9.31E-08	2.20E-10	8.89E-01	9.43E-01	5.81E-01
523.0114	64.88	12.46	15.11	10.44	11.19	6.40E-90	5.11E-15	5.11E-15	4.42E-14	5.11E-15	5.11E-15	2.27E-06
523.03066	25.33	15.99	13.84	13.30	13.19	2.86E-13	2.29E-07	5.64E-11	4.36E-11	4.98E-01	3.57E-01	9.92E-01
523.05261	17.75	12.72	14.93	15.24	16.70	1.90E-13	1.79E-05	6.10E-07	7.68E-14	9.16E-01	1.98E-03	1.45E-02
523.28667	168.15	20.50	19.32	19.68	19.70	8.96E-23	1.87E-14	5.77E-13	8.93E-12	5.07E-03	4.07E-03	9.98E-01
523.33175	255.38	21.93	21.67	21.69	21.30	1.19E-03	3.14E-01	3.58E-01	3.26E-04	1.00E+00	8.74E-02	6.63E-02
523.85184	43.69	16.68	19.01	18.81	18.68	6.36E-36	5.11E-15	5.11E-15	1.22E-14	6.46E-01	2.52E-01	8.86E-01
523.94301	28.91	11.32	11.64	12.84	12.01	1.28E-02	9.08E-01	7.96E-03	4.87E-01	6.74E-02	8.77E-01	3.50E-01
524.05602	18.25	14.25	16.42	16.72	17.17	2.10E-12	3.79E-07	4.93E-09	2.61E-11	8.79E-01	2.66E-01	6.84E-01
524.07815	21.22	11.44	13.51	12.74	11.16	8.98E-07	3.93E-05	1.99E-02	9.32E-01	3.34E-01	8.37E-06	5.09E-03
524.17726	25.11	15.51	14.35	15.71	14.91	3.21E-03	1.63E-02	9.51E-01	4.38E-01	3.76E-03	5.17E-01	1.99E-01
524.24216	290.14	15.94	15.71	15.41	15.80	5.58E-01	9.28E-01	4.94E-01	9.86E-01	8.68E-01	9.95E-01	7.48E-01
524.27893	194.46	23.72	23.63	24.02	23.43	6.26E-05	8.78E-01	5.39E-02	8.09E-02	8.06E-03	3.69E-01	1.95E-05
524.29997	173.81	23.79	23.08	23.27	23.23	2.75E-03	2.36E-03	3.97E-02	3.06E-02	7.99E-01	8.97E-01	9.98E-01
524.33483	247.13	19.82	19.55	19.40	19.20	2.04E-02	5.08E-01	1.37E-01	1.23E-02	8.81E-01	3.36E-01	7.65E-01
524.76647	70.43	15.94	14.52	15.49	15.43	6.54E-18	4.33E-14	7.83E-03	2.70E-03	1.05E-09	3.50E-08	9.75E-01
524.7853	51.71	18.84	18.41	18.62	18.78	8.11E-02	6.95E-02	5.89E-01	9.87E-01	6.37E-01	1.90E-01	8.24E-01
524.82331	143.76	13.81	9.28	8.29	11.05	1.61E-25	4.40E-14	9.33E-15	2.29E-07	1.68E-01	2.50E-03	3.64E-07
524.84572	44.27	18.33	19.85	19.63	19.62	1.37E-29	5.77E-15	3.44E-14	4.22E-14	2.97E-01	2.74E-01	1.00E+00
524.86395	44.08	18.16	20.50	20.29	20.21	3.73E-37	5.11E-15	5.11E-15	6.88E-15	5.85E-01	3.48E-01	9.72E-01
524.89953	40	14.08	15.48	15.21	15.87	2.81E-09	2.89E-06	1.96E-04	3.54E-09	7.66E-01	5.09E-01	9.08E-02
524.94582	70.89	13.68	16.21	11.68	12.36	8.69E-101	5.11E-15	5.11E-15	2.62E-14	5.11E-15	5.11E-15	3.02E-07
525.05355	19.44	13.17	14.20	13.10	13.91	2.29E-02	6.31E-02	9.99E-01	3.01E-01	4.95E-02	9.10E-01	2.50E-01
525.10738	84.9	10.54	11.43	14.30	14.19	9.18E-23	1.08E-01	4.26E-14	4.23E-14	6.88E-11	1.36E-09	9.92E-01
525.28224	193.64	21.93	21.83	22.23	21.65	9.24E-05	8.42E-01	5.74E-02	1.04E-01	6.79E-03	4.75E-01	3.47E-05
525.30337	179.08	21.80	21.08	21.30	21.27	2.95E-03	1.84E-03	5.26E-02	4.93E-02	6.99E-01	7.84E-01	9.99E-01
525.33048	265.05	15.74	16.03	15.61	15.84	3.14E-01	5.57E-01	9.36E-01	9.75E-01	2.52E-01	8.38E-01	7.69E-01

525.86551	42.58	13.49	16.18	15.65	15.71	3.87E-14	4.42E-13	3.36E-09	4.69E-09	4.10E-01	5.39E-01	9.98E-01
526.2574	192.35	14.40	16.12	15.91	14.59	8.78E-24	4.31E-14	5.11E-14	7.09E-01	6.19E-01	1.27E-13	7.61E-11
526.28565	196.82	18.75	18.26	18.83	18.31	2.73E-05	2.91E-03	9.38E-01	1.07E-02	4.69E-04	9.91E-01	2.06E-03
526.2948	199.93	21.45	22.04	22.26	21.17	1.94E-16	1.83E-05	1.67E-09	1.27E-01	3.11E-01	1.18E-09	7.26E-14
526.30636	179.68	18.64	18.10	18.31	18.31	1.58E-01	1.07E-01	4.95E-01	5.24E-01	8.25E-01	8.39E-01	1.00E+00
526.31567	210.69	21.14	20.81	20.68	20.55	1.56E-05	3.40E-02	6.39E-04	1.32E-05	6.63E-01	1.44E-01	7.25E-01
526.7231	68.26	16.89	17.39	18.04	17.47	1.12E-11	4.79E-03	7.40E-13	8.77E-04	1.07E-04	9.47E-01	1.43E-03
526.74376	93.33	12.54	13.21	14.36	13.46	4.12E-07	1.34E-01	6.33E-08	2.12E-02	1.88E-03	8.72E-01	2.92E-02
526.78298	63.61	17.20	15.93	16.90	16.63	4.84E-19	4.13E-14	8.68E-02	7.68E-05	3.05E-12	1.54E-06	1.45E-01
526.80135	55.22	20.33	20.58	20.26	20.41	2.68E-02	8.43E-02	9.30E-01	8.53E-01	2.01E-02	4.56E-01	5.24E-01
526.8384	43.2	14.58	13.09	14.20	13.81	2.91E-05	1.14E-05	5.78E-01	6.82E-02	2.61E-03	1.16E-01	6.22E-01
526.85951	43.59	17.31	19.63	19.67	19.63	3.44E-43	5.11E-15	5.11E-15	5.11E-15	9.95E-01	1.00E+00	9.93E-01
526.8768	29.11	11.76	13.80	14.14	12.71	9.78E-06	3.74E-04	1.76E-05	2.56E-01	9.10E-01	1.67E-01	3.40E-02
526.91841	46.86	15.87	14.07	14.81	14.02	3.57E-03	7.75E-03	2.21E-01	7.46E-03	5.66E-01	1.00E+00	5.27E-01
526.93935	33.67	10.75	12.56	13.52	12.44	3.90E-07	1.02E-03	8.80E-08	3.55E-03	2.00E-01	9.95E-01	1.33E-01
527.16907	57.42	15.99	20.60	15.09	15.34	6.35E-128	5.11E-15	1.02E-13	1.41E-07	5.11E-15	5.11E-15	1.29E-01
527.23941	187.69	14.69	12.92	11.50	13.57	1.93E-14	1.33E-05	4.53E-14	1.58E-02	1.09E-03	3.33E-01	1.01E-06
527.26142	192.95	9.75	13.10	12.55	10.16	4.55E-21	4.29E-14	1.12E-12	6.94E-01	4.51E-01	2.18E-12	6.83E-09
527.28759	193.85	15.67	14.78	15.40	15.02	7.82E-10	1.12E-09	1.61E-01	2.41E-05	5.77E-05	3.05E-01	4.14E-02
527.29799	199.47	19.64	20.18	20.41	19.38	3.46E-14	1.32E-04	1.84E-08	2.18E-01	2.98E-01	5.24E-08	2.10E-12
527.30846	173.8	15.59	14.42	14.66	14.88	9.02E-05	6.42E-05	2.19E-03	4.23E-02	7.98E-01	3.33E-01	8.50E-01
527.31939	211.3	19.16	18.18	17.71	18.49	2.70E-16	1.18E-08	4.24E-14	2.22E-04	1.72E-02	2.55E-01	2.07E-05
527.35548	191.5	15.51	18.86	18.97	18.12	1.20E-44	5.11E-15	5.11E-15	7.77E-15	9.61E-01	5.98E-03	1.01E-03
527.80453	59.11	15.50	14.55	15.53	15.31	2.46E-07	1.79E-06	9.99E-01	7.17E-01	1.56E-06	5.32E-04	6.49E-01
527.84105	34.63	15.48	13.45	13.48	13.30	8.13E-09	1.34E-06	1.43E-06	3.78E-07	1.00E+00	9.81E-01	9.71E-01
527.86587	39.58	11.46	13.06	12.78	13.56	2.95E-12	5.30E-08	8.52E-06	4.04E-12	7.20E-01	2.96E-01	2.83E-02
527.9418	31.27	11.06	12.20	14.16	10.79	9.51E-28	2.58E-04	1.60E-14	7.76E-01	1.71E-10	1.22E-05	1.04E-14
528.10775	24.87	17.73	17.34	17.56	17.06	8.10E-04	7.66E-02	7.08E-01	4.79E-04	5.44E-01	3.76E-01	2.00E-02
528.17322	57.63	15.61	17.48	14.68	14.95	8.43E-84	5.11E-15	3.93E-14	8.85E-11	5.11E-15	5.11E-15	2.68E-02
528.27317	202.68	19.15	21.07	20.92	19.89	4.36E-31	5.33E-15	1.18E-14	2.44E-05	7.81E-01	3.48E-11	4.89E-09
528.29341	201.37	19.11	18.43	18.61	18.60	8.52E-09	7.89E-09	2.56E-05	4.30E-05	3.62E-01	4.18E-01	1.00E+00
528.31025	210.62	21.12	21.84	21.95	21.18	1.29E-13	4.95E-08	2.77E-10	9.64E-01	8.29E-01	2.48E-06	2.92E-08
528.32288	196.9	14.54	9.05	9.55	10.59	2.70E-36	5.11E-15	5.11E-15	4.16E-14	5.73E-01	1.02E-03	4.99E-02
528.35788	190.2	12.93	14.99	14.95	14.23	7.65E-14	7.09E-12	9.67E-12	3.54E-05	9.99E-01	4.37E-02	5.57E-02
528.72139	70.47	14.89	15.89	15.88	15.44	1.64E-08	2.50E-07	2.62E-07	1.49E-02	1.00E+00	7.10E-02	7.80E-02
528.73876	71.93	17.07	17.76	17.77	17.63	2.50E-07	3.64E-06	2.37E-06	4.37E-04	1.00E+00	7.80E-01	7.53E-01
528.79656	40.05	18.60	18.51	18.95	18.63	3.46E-03	9.10E-01	1.85E-02	9.92E-01	2.99E-03	8.03E-01	6.01E-02
528.85487	139.04	12.54	5.33	5.00	6.86	4.04E-46	5.11E-15	5.11E-15	6.00E-15	8.85E-01	7.96E-03	5.82E-04
528.85489	36.41	15.29	15.88	16.25	16.44	1.96E-07	1.92E-02	1.44E-05	3.97E-07	2.65E-01	4.17E-02	8.05E-01
528.87692	38.93	18.51	18.49	18.54	18.84	2.74E-01	9.99E-01	9.99E-01	3.38E-01	9.93E-01	2.97E-01	4.33E-01
528.89741	42.82	16.30	18.00	18.19	18.03	7.21E-28	4.10E-14	1.20E-14	4.14E-14	6.71E-01	9.98E-01	7.86E-01
528.98319	65.12	14.42	16.59	12.88	13.38	1.25E-120	5.11E-15	5.11E-15	5.11E-15	5.11E-15	5.11E-15	8.32E-09
529.0232	60.66	13.34	20.63	11.48	12.00	1.49E-150	5.11E-15	5.11E-15	4.26E-14	5.11E-15	5.11E-15	2.58E-03
529.16778	65.91	13.90	14.68	12.06	12.70	9.92E-71	2.06E-12	5.11E-15	1.31E-14	5.11E-15	5.11E-15	2.96E-08
529.26997	291.55	15.00	15.08	15.55	15.89	1.29E-02	9.93E-01	2.31E-01	1.79E-02	3.94E-01	4.62E-02	6.88E-01

529.29619	192.08	17.05	16.53	17.18	16.66	3.58E-03	4.18E-02	9.10E-01	2.09E-01	7.27E-03	9.26E-01	5.57E-02
529.31384	210.6	19.32	20.00	20.09	19.14	1.45E-13	2.91E-06	7.79E-08	5.25E-01	9.14E-01	1.34E-08	2.75E-10
529.42453	227.08	15.79	11.35	10.71	13.11	1.96E-24	4.43E-14	2.00E-14	1.85E-07	5.14E-01	1.75E-03	5.76E-06
529.71993	16.74	11.01	12.37	12.81	11.06	6.07E-06	5.32E-03	7.17E-05	9.99E-01	7.09E-01	1.35E-02	3.12E-04
529.87209	37.64	14.05	14.08	14.11	14.49	1.98E-01	9.99E-01	9.93E-01	2.03E-01	9.99E-01	2.85E-01	3.41E-01
530.02706	61.28	13.44	17.11	11.51	12.20	7.23E-140	5.11E-15	5.11E-15	5.11E-15	5.11E-15	5.11E-15	6.56E-11
530.0673	22.17	12.91	13.60	14.43	14.69	5.71E-04	4.27E-01	4.84E-03	9.95E-04	2.84E-01	1.07E-01	9.46E-01
530.10666	24.62	12.12	14.20	14.70	13.44	2.51E-09	2.55E-06	2.43E-09	7.63E-03	5.96E-01	2.79E-01	1.45E-02
530.28349	206.08	16.92	16.74	16.49	16.27	8.86E-04	7.01E-01	4.24E-02	6.79E-04	4.31E-01	2.92E-02	5.42E-01
530.30271	240.54	22.77	18.58	17.60	19.06	1.27E-65	5.11E-15	5.11E-15	5.11E-15	8.14E-05	1.50E-01	3.63E-09
530.31799	213.01	16.09	16.94	17.11	15.95	1.98E-07	1.47E-03	5.70E-05	9.29E-01	8.73E-01	3.20E-04	1.17E-05
530.73546	75	15.70	15.68	16.14	15.74	1.11E-04	9.95E-01	5.67E-04	9.89E-01	3.63E-04	9.53E-01	3.73E-03
530.76905	69.66	8.28	7.64	13.05	12.69	3.83E-22	6.90E-01	1.72E-13	2.98E-11	4.32E-14	2.09E-13	9.36E-01
530.79188	39.92	16.24	16.16	16.79	16.02	6.92E-06	9.51E-01	1.46E-03	4.59E-01	3.00E-04	7.94E-01	8.47E-06
530.81349	62.96	17.42	16.62	17.70	17.67	9.58E-24	2.11E-13	2.43E-02	7.47E-02	3.44E-14	4.11E-14	9.89E-01
530.81423	138.4	14.70	10.55	9.83	12.63	2.14E-31	2.20E-14	5.11E-15	8.55E-07	2.29E-01	1.55E-06	5.05E-11
530.83512	52.66	19.98	20.38	20.97	20.88	9.30E-25	7.17E-05	2.64E-14	4.09E-14	7.99E-09	2.55E-06	7.93E-01
530.87406	49.84	15.76	13.98	14.54	15.20	8.68E-06	5.92E-06	3.24E-03	4.18E-01	4.13E-01	6.60E-03	2.76E-01
530.93279	59.54	12.26	11.39	13.74	14.48	5.30E-10	2.28E-01	6.08E-03	1.79E-05	4.84E-06	3.73E-09	3.96E-01
530.96046	57	12.08	18.59	10.08	10.69	2.08E-152	5.11E-15	5.11E-15	3.24E-14	5.11E-15	5.11E-15	3.57E-05
530.97759	67.92	13.02	14.13	10.85	11.53	3.07E-64	2.95E-13	5.11E-15	3.89E-14	5.11E-15	5.11E-15	2.79E-05
531.02094	61.37	9.50	16.97	8.70	9.70	3.06E-97	5.11E-15	3.75E-03	8.36E-01	5.11E-15	5.11E-15	3.54E-04
531.27322	156.36	22.52	22.18	22.43	22.05	3.71E-03	6.92E-02	9.19E-01	5.53E-03	2.82E-01	7.99E-01	4.11E-02
531.30633	248.12	20.64	14.70	13.63	15.84	1.98E-55	5.11E-15	5.11E-15	5.11E-15	1.33E-02	9.66E-03	1.94E-08
531.83821	52.46	15.87	16.00	16.64	16.62	6.96E-13	7.14E-01	1.38E-09	1.12E-08	9.51E-07	4.43E-06	9.99E-01
531.93272	33.4	12.52	14.54	14.31	13.82	7.42E-07	1.61E-06	2.18E-05	5.63E-03	9.35E-01	2.78E-01	6.06E-01
531.95328	26.11	15.43	11.59	12.21	14.01	3.32E-09	1.49E-08	1.92E-06	1.16E-01	7.63E-01	1.45E-03	2.86E-02
531.96362	72.67	8.26	14.22	11.28	10.22	4.20E-35	5.11E-15	6.71E-13	7.84E-06	8.24E-12	4.34E-14	4.40E-02
531.98333	24.98	10.24	14.89	15.30	14.19	2.88E-48	5.11E-15	5.11E-15	5.11E-15	5.05E-01	9.54E-02	1.52E-03
532.27681	154.52	20.61	20.19	20.47	20.10	1.35E-03	1.53E-02	7.53E-01	2.80E-03	1.96E-01	9.37E-01	5.90E-02
532.29999	244.02	20.89	15.27	13.61	16.15	4.93E-65	5.11E-15	5.11E-15	5.11E-15	8.55E-07	3.01E-02	2.64E-13
532.74867	74.88	15.78	13.28	14.92	14.98	4.18E-39	5.11E-15	1.01E-07	1.83E-06	3.40E-14	3.31E-14	9.83E-01
532.77282	62.62	17.74	16.62	18.16	18.17	5.37E-25	2.12E-13	1.26E-02	1.53E-02	2.89E-14	3.60E-14	1.00E+00
532.79344	46.87	20.60	21.33	22.12	21.86	2.07E-35	1.89E-10	5.11E-15	9.99E-15	1.11E-11	1.42E-05	7.92E-02
532.81261	46.64	17.16	17.37	18.12	17.94	2.05E-36	1.43E-02	5.11E-15	2.49E-14	3.44E-14	7.41E-13	6.20E-02
532.832	53.69	18.30	18.61	19.04	19.05	3.15E-17	2.87E-03	7.25E-14	1.45E-13	2.48E-05	3.24E-05	1.00E+00
532.95817	57.07	11.24	16.49	15.54	14.12	2.32E-27	5.77E-15	4.29E-14	1.84E-09	1.31E-01	1.75E-06	8.31E-03
533.10699	17.73	14.27	17.53	16.38	15.56	2.54E-14	5.12E-14	2.79E-07	5.53E-03	1.65E-02	8.26E-06	1.59E-01
533.28568	167.11	20.23	19.64	19.96	19.61	7.40E-07	1.14E-05	1.16E-01	7.71E-06	4.58E-02	9.97E-01	3.13E-02
533.30365	239.53	18.31	13.07	11.31	13.98	6.22E-55	5.11E-15	5.11E-15	5.33E-15	2.89E-06	4.75E-02	2.95E-12
533.45638	262.65	19.33	18.39	18.50	18.90	7.11E-18	4.26E-14	2.17E-13	4.57E-04	7.61E-01	2.92E-05	1.21E-03
533.79676	55.21	16.49	17.20	18.15	17.88	1.66E-30	4.54E-07	5.11E-15	3.84E-14	2.70E-11	5.67E-06	1.70E-01
533.87535	38.1	16.80	17.86	17.90	17.26	9.63E-18	1.16E-13	4.75E-14	3.54E-03	9.87E-01	6.95E-05	1.38E-05
533.95506	53.31	13.71	16.52	17.37	16.18	5.57E-32	3.69E-14	5.11E-15	4.45E-14	1.04E-02	6.07E-01	1.48E-04
534.22462	176.33	14.15	14.00	14.71	13.39	3.34E-03	9.70E-01	3.26E-01	1.21E-01	1.60E-01	3.08E-01	1.12E-03

534.28719	179.84	18.92	18.39	18.72	18.30	4.86E-07	5.02E-05	2.97E-01	2.77E-06	3.14E-02	8.84E-01	3.94E-03
534.34425	203.93	13.17	15.05	14.13	13.20	1.43E-04	3.03E-04	1.45E-01	1.00E+00	2.02E-01	9.29E-04	2.11E-01
534.45939	257.5	17.10	16.06	16.17	16.71	5.59E-13	2.09E-11	1.37E-09	4.10E-02	8.71E-01	1.03E-04	1.64E-03
534.75168	58.01	15.11	13.78	16.97	16.46	1.32E-31	2.38E-07	3.33E-13	2.49E-07	5.11E-15	2.91E-14	1.70E-01
534.76989	62.32	16.82	14.30	16.21	16.56	5.14E-52	5.11E-15	1.41E-05	1.85E-01	5.11E-15	5.11E-15	4.72E-02
534.79188	53.68	19.23	19.76	20.58	20.36	2.31E-33	1.01E-06	5.11E-15	2.18E-14	1.59E-13	1.65E-07	1.28E-01
534.81694	49.55	15.18	14.10	15.76	15.51	3.20E-14	5.89E-07	1.51E-02	3.69E-01	9.85E-14	5.74E-10	5.86E-01
534.85973	35.21	12.05	12.89	14.05	12.41	1.99E-06	1.13E-01	1.02E-06	7.76E-01	1.42E-02	6.23E-01	2.45E-04
534.90316	39.52	14.97	17.38	17.48	17.32	2.49E-24	4.33E-14	4.11E-14	4.20E-14	9.76E-01	9.97E-01	9.27E-01
534.9267	40.67	15.00	17.06	16.74	17.07	1.73E-10	9.76E-09	1.31E-06	2.06E-08	7.63E-01	1.00E+00	7.64E-01
534.94414	17.57	12.24	15.34	15.13	14.46	1.30E-23	3.66E-14	4.35E-14	1.35E-11	8.96E-01	2.44E-02	1.29E-01
535.29044	172.54	16.07	14.11	15.06	14.77	6.86E-17	4.33E-14	6.06E-06	1.27E-08	5.16E-05	1.36E-02	5.22E-01
535.30499	170.76	18.16	17.38	17.87	17.34	1.38E-09	1.61E-07	1.32E-01	7.31E-08	2.77E-03	9.91E-01	1.32E-03
535.47405	256.68	19.00	18.93	18.88	19.36	1.56E-03	9.53E-01	7.63E-01	2.52E-02	9.73E-01	6.99E-03	1.48E-03
535.79471	56.08	14.32	14.76	15.97	15.72	1.77E-17	8.82E-02	4.57E-14	5.45E-11	1.31E-08	1.95E-05	5.79E-01
535.89143	43.36	16.21	16.99	17.14	16.65	1.79E-06	1.20E-04	2.24E-06	8.53E-02	8.45E-01	2.67E-01	4.44E-02
536.24042	207.53	17.32	18.65	18.76	18.01	2.35E-19	5.08E-14	4.22E-14	9.82E-05	8.95E-01	6.56E-04	3.37E-05
536.29998	187.7	19.55	19.12	19.83	19.19	1.06E-07	3.55E-03	1.22E-01	2.92E-02	4.97E-07	9.40E-01	1.49E-05
536.30926	170.69	14.58	14.22	14.84	14.32	4.38E-02	3.91E-01	6.63E-01	6.87E-01	4.14E-02	9.74E-01	1.36E-01
536.47714	256.6	16.59	16.90	16.85	17.40	2.58E-04	2.98E-01	4.30E-01	6.76E-05	9.95E-01	3.69E-02	1.74E-02
536.749	63.85	14.16	11.73	15.35	14.80	4.44E-40	2.49E-14	5.98E-07	2.37E-02	5.11E-15	5.11E-15	7.81E-02
536.78822	54.54	16.33	16.14	17.31	17.01	4.55E-22	3.59E-01	5.20E-14	1.19E-07	4.10E-14	4.96E-11	7.50E-02
536.83932	38.97	14.37	15.33	15.88	14.22	1.27E-04	8.08E-02	1.11E-03	9.84E-01	5.43E-01	4.57E-02	6.18E-04
536.86446	38.68	18.50	19.70	19.49	19.60	1.21E-17	4.49E-14	2.31E-11	8.94E-13	4.28E-01	8.98E-01	8.64E-01
536.88495	44.26	18.30	21.11	20.99	20.91	1.19E-29	1.02E-14	1.78E-14	3.69E-14	9.66E-01	8.62E-01	9.87E-01
536.96608	46.36	12.43	18.23	13.14	13.31	2.71E-54	5.11E-15	6.68E-02	1.76E-02	5.11E-15	5.11E-15	9.43E-01
537.03914	24.26	11.38	15.20	15.32	13.70	2.58E-33	5.11E-15	5.11E-15	7.13E-12	9.79E-01	1.90E-05	2.66E-06
537.24298	208.87	13.99	15.95	16.02	14.85	9.27E-13	4.08E-10	6.49E-11	1.83E-02	9.95E-01	1.96E-03	7.30E-04
537.30275	187.9	17.29	16.71	17.24	16.79	5.40E-03	1.87E-02	9.95E-01	7.09E-02	4.21E-02	9.77E-01	1.32E-01
537.32047	184.29	16.80	15.85	16.44	15.99	3.10E-11	1.89E-10	3.82E-02	1.42E-07	1.90E-04	7.52E-01	1.05E-02
537.33239	241.58	19.63	10.24	8.46	11.40	1.21E-65	5.11E-15	5.11E-15	5.11E-15	1.57E-03	9.51E-02	6.22E-08
537.34742	252.59	21.46	20.52	20.33	20.34	1.21E-15	1.47E-09	3.37E-13	3.13E-12	5.52E-01	6.41E-01	1.00E+00
537.48963	263.24	23.18	23.14	23.13	23.12	9.51E-01	9.84E-01	9.64E-01	9.51E-01	1.00E+00	9.98E-01	1.00E+00
537.87004	33.81	13.30	13.02	12.38	13.52	2.62E-02	8.77E-01	7.04E-02	9.43E-01	3.55E-01	5.90E-01	2.27E-02
537.8874	43.51	15.15	17.08	16.88	16.99	1.15E-21	4.21E-14	4.55E-14	4.24E-14	7.46E-01	9.76E-01	9.43E-01
537.90379	48.87	13.23	12.61	14.70	14.84	6.65E-17	8.90E-02	3.99E-07	7.09E-08	2.25E-12	4.76E-13	9.54E-01
537.96475	29.99	17.19	18.52	18.64	18.03	8.04E-35	5.33E-15	5.11E-15	1.20E-12	6.61E-01	6.89E-05	3.07E-07
538.08437	17.11	9.49	15.26	13.82	12.43	5.76E-21	3.46E-14	2.88E-13	1.73E-06	4.80E-02	8.08E-06	6.78E-02
538.31577	206.84	25.06	24.90	24.97	24.83	9.45E-02	3.03E-01	7.76E-01	7.40E-02	8.62E-01	8.92E-01	4.49E-01
538.35031	270.15	19.79	19.49	19.55	19.08	1.97E-02	4.92E-01	6.77E-01	8.65E-03	9.91E-01	2.92E-01	1.65E-01
538.49303	268.74	21.67	21.65	21.66	21.63	9.85E-01	9.96E-01	1.00E+00	9.83E-01	9.99E-01	9.99E-01	9.92E-01
538.75837	48.38	17.83	15.81	17.94	18.32	1.14E-30	3.24E-14	9.33E-01	5.05E-02	2.18E-14	5.11E-15	2.02E-01
538.78046	64.65	13.37	8.05	8.60	9.73	1.63E-39	5.11E-15	5.11E-15	4.13E-14	3.99E-01	4.08E-05	1.11E-02
538.80143	63.8	16.62	12.54	15.47	15.50	2.47E-37	5.11E-15	5.73E-05	1.75E-04	2.15E-14	2.84E-14	1.00E+00
538.82244	40.42	21.60	23.19	23.07	22.99	6.57E-37	5.11E-15	5.11E-15	7.77E-15	6.96E-01	2.99E-01	8.95E-01

538.86259	43.9	15.65	13.03	13.66	15.39	1.73E-16	1.63E-13	9.46E-09	8.57E-01	2.23E-01	1.81E-10	2.84E-06
538.8807	44.34	16.18	17.84	17.84	18.04	5.74E-27	4.12E-14	4.04E-14	2.38E-14	1.00E+00	6.38E-01	6.45E-01
538.967	70.73	10.90	13.82	9.42	10.15	3.10E-29	4.33E-14	6.27E-05	1.26E-01	5.11E-15	3.70E-14	1.54E-01
538.98475	55.51	11.82	18.06	9.84	10.49	2.61E-128	5.11E-15	5.33E-15	2.42E-13	5.11E-15	5.11E-15	6.28E-04
539.06748	18.13	10.27	14.67	16.47	14.75	4.59E-27	4.46E-14	5.33E-15	4.44E-14	2.57E-03	9.98E-01	6.06E-03
539.13975	20.14	12.77	17.07	16.80	14.72	9.50E-21	4.24E-14	4.20E-14	1.57E-04	9.33E-01	6.43E-06	7.10E-05
539.31914	204.39	23.21	22.95	22.98	22.88	5.41E-03	3.79E-02	7.35E-02	4.75E-03	9.93E-01	8.84E-01	7.45E-01
539.34674	279.02	16.75	16.60	16.83	16.80	4.43E-01	7.23E-01	9.54E-01	9.88E-01	4.21E-01	5.61E-01	9.98E-01
539.49973	277.88	19.00	19.03	19.07	19.15	8.35E-01	9.99E-01	9.70E-01	8.14E-01	9.92E-01	8.94E-01	9.71E-01
539.82586	47.05	17.78	19.37	19.31	19.16	6.32E-50	5.11E-15	5.11E-15	5.11E-15	9.07E-01	1.29E-01	4.08E-01
540.07078	20.82	9.82	11.61	12.08	11.29	1.53E-06	2.08E-04	1.04E-06	4.84E-03	6.86E-01	8.89E-01	2.74E-01
540.27293	166.58	15.70	16.28	16.70	16.30	1.45E-04	3.96E-02	3.67E-05	4.17E-02	2.43E-01	1.00E+00	2.86E-01
540.33145	236.08	27.42	23.61	22.80	23.46	7.69E-65	5.11E-15	5.11E-15	5.11E-15	6.83E-04	8.98E-01	1.10E-02
540.3674	204.14	14.44	16.64	17.41	15.47	2.43E-33	4.00E-14	5.11E-15	1.95E-05	2.37E-03	2.15E-06	4.69E-14
540.50846	296.58	12.59	13.11	12.88	15.15	5.63E-08	5.98E-01	9.00E-01	7.90E-08	9.47E-01	4.92E-05	3.63E-06
540.73843	83.95	14.23	13.55	13.61	13.81	3.13E-02	3.42E-02	6.54E-02	3.61E-01	9.93E-01	7.51E-01	8.78E-01
540.75931	64.49	19.31	19.38	19.94	19.85	2.83E-16	8.08E-01	6.94E-13	3.40E-09	5.09E-10	7.53E-07	6.61E-01
540.79737	148.16	14.27	10.32	9.55	11.70	1.22E-14	2.49E-10	8.09E-14	9.23E-05	5.43E-01	1.04E-01	2.14E-03
540.82073	39.37	19.31	20.80	20.76	20.60	1.41E-39	5.11E-15	5.11E-15	6.00E-15	9.68E-01	2.35E-01	4.65E-01
540.83776	46.16	18.57	20.46	20.39	20.25	1.30E-49	5.11E-15	5.11E-15	5.11E-15	9.24E-01	2.49E-01	5.85E-01
540.87463	43.31	15.65	16.81	17.04	17.21	1.08E-21	4.01E-12	4.26E-14	4.29E-14	4.20E-01	5.71E-02	7.13E-01
540.93607	29.11	13.89	12.99	12.98	13.56	1.93E-01	2.74E-01	2.55E-01	9.21E-01	1.00E+00	6.93E-01	6.73E-01
541.22682	54.55	7.89	21.83	7.32	7.49	1.84E-152	5.11E-15	6.44E-02	3.23E-01	5.11E-15	5.11E-15	9.03E-01
541.23187	171.19	14.99	12.64	14.10	14.29	8.64E-12	1.25E-12	1.66E-02	1.12E-01	1.90E-05	2.32E-06	9.28E-01
541.27752	166.38	12.15	12.57	13.41	12.79	6.79E-03	6.37E-01	2.81E-03	3.03E-01	1.09E-01	9.40E-01	3.62E-01
541.32268	201.47	14.98	14.69	13.59	14.95	2.17E-04	8.35E-01	4.03E-04	1.00E+00	1.12E-02	8.86E-01	1.19E-03
541.33492	240.7	25.39	21.02	20.33	21.33	1.74E-63	5.11E-15	5.11E-15	5.11E-15	1.68E-02	5.42E-01	1.82E-04
541.36922	264.98	11.00	14.09	14.70	13.04	2.75E-10	2.68E-07	4.33E-10	1.92E-03	6.92E-01	2.60E-01	2.01E-02
541.76285	69.61	14.54	10.61	14.73	13.94	3.07E-65	5.11E-15	7.00E-01	6.27E-03	5.11E-15	5.11E-15	1.78E-04
541.82376	47.53	14.59	16.40	16.14	16.16	1.04E-31	5.11E-15	2.18E-14	3.00E-14	2.64E-01	3.36E-01	1.00E+00
541.84011	45.2	13.62	16.45	16.07	16.11	1.73E-34	5.11E-15	7.99E-15	1.04E-14	2.95E-01	4.31E-01	9.97E-01
542.01113	18.06	11.20	16.71	14.52	14.31	7.31E-31	5.11E-15	5.01E-14	1.18E-12	4.94E-07	8.97E-08	9.54E-01
542.23001	62.67	16.12	19.64	15.37	15.57	5.12E-135	5.11E-15	4.17E-14	4.19E-10	5.11E-15	5.11E-15	6.81E-02
542.25095	131.37	16.74	13.08	14.05	14.75	2.90E-33	5.11E-15	3.29E-14	2.98E-12	1.13E-03	8.97E-09	4.01E-02
542.28948	175.23	11.30	12.86	13.95	11.86	1.78E-10	3.65E-04	1.76E-10	4.86E-01	2.79E-02	6.55E-02	2.24E-06
542.31098	174.01	11.35	12.51	12.50	12.15	3.01E-05	1.26E-04	1.22E-04	1.94E-02	1.00E+00	5.86E-01	6.00E-01
542.33752	241.52	23.05	18.31	17.41	18.10	1.42E-64	5.11E-15	5.11E-15	5.11E-15	2.93E-03	8.64E-01	4.29E-02
542.69722	81.15	14.30	14.98	15.36	14.83	3.39E-05	9.71E-03	8.68E-06	7.99E-02	3.20E-01	9.12E-01	9.33E-02
542.71828	91.03	13.47	13.77	14.31	13.76	6.25E-03	5.91E-01	2.51E-03	6.20E-01	1.19E-01	1.00E+00	1.30E-01
542.75785	60.21	17.40	17.00	17.79	17.70	4.00E-15	1.01E-04	1.97E-04	9.44E-03	7.33E-14	4.24E-11	8.04E-01
542.77533	52.37	20.37	20.27	21.11	20.82	1.14E-23	5.70E-01	4.42E-14	4.20E-07	3.71E-14	1.36E-09	2.55E-03
542.81713	49.82	15.83	15.63	15.24	15.08	5.61E-08	4.27E-01	4.35E-05	3.13E-07	1.74E-02	4.22E-04	6.39E-01
542.83419	39.54	18.04	19.86	20.00	19.90	1.18E-50	5.11E-15	5.11E-15	5.11E-15	6.13E-01	9.86E-01	8.31E-01
542.85078	35.37	15.20	16.72	16.94	16.90	6.15E-21	1.29E-13	4.24E-14	4.40E-14	6.23E-01	7.99E-01	9.94E-01
542.89263	44.07	16.57	14.82	14.67	15.52	1.53E-04	1.03E-03	2.58E-04	1.21E-01	9.90E-01	4.67E-01	2.91E-01

542.91317	39.76	13.46	13.65	13.27	13.81	3.84E-01	9.25E-01	9.28E-01	6.94E-01	6.26E-01	9.65E-01	3.52E-01
542.99458	17.86	11.83	15.83	15.84	15.20	2.89E-28	1.62E-14	1.44E-14	4.35E-14	1.00E+00	3.18E-01	3.06E-01
543.01669	28.59	18.07	17.09	17.00	16.65	2.76E-08	1.38E-04	2.40E-05	3.08E-08	9.84E-01	2.65E-01	4.44E-01
543.0376	46.58	13.83	16.60	12.00	12.65	2.38E-126	5.11E-15	5.11E-15	5.11E-15	5.11E-15	5.11E-15	1.22E-10
543.22907	164.53	9.40	10.29	9.19	8.57	1.59E-02	2.90E-01	9.76E-01	3.78E-01	1.45E-01	7.50E-03	6.37E-01
543.23187	62.84	7.99	15.74	7.84	8.11	7.88E-101	5.11E-15	9.07E-01	9.53E-01	5.11E-15	5.11E-15	6.57E-01
543.27391	161.91	14.89	12.76	14.10	12.38	2.75E-13	3.49E-09	7.75E-02	1.46E-11	4.79E-04	7.03E-01	6.95E-06
543.28514	288.48	16.93	16.29	16.25	16.87	1.78E-05	1.18E-03	3.88E-04	9.82E-01	9.95E-01	8.18E-03	3.35E-03
543.32044	183.44	11.21	13.44	14.11	11.48	2.30E-11	6.00E-06	1.91E-09	9.35E-01	4.59E-01	2.29E-04	2.75E-07
543.33993	202.21	19.87	16.01	16.43	15.06	1.86E-86	5.11E-15	5.11E-15	5.11E-15	3.16E-02	5.42E-08	4.70E-14
543.77883	61.18	15.73	14.17	16.41	16.13	3.94E-47	5.11E-15	2.02E-07	7.34E-03	5.11E-15	5.11E-15	1.17E-01
543.83911	44.43	10.75	13.16	13.23	13.69	1.14E-25	4.33E-14	4.41E-14	2.24E-14	9.93E-01	2.01E-01	3.10E-01
543.91535	31.4	11.30	11.57	13.23	11.08	3.80E-11	8.07E-01	5.42E-09	8.86E-01	1.39E-06	4.06E-01	6.63E-10
543.94513	102.92	12.57	13.60	14.06	14.13	4.19E-11	7.14E-05	2.53E-09	1.43E-09	2.05E-01	1.22E-01	9.89E-01
544.03866	28.16	11.56	14.99	15.11	13.45	8.16E-46	5.11E-15	5.11E-15	5.10E-14	9.47E-01	3.99E-10	1.20E-11
544.1126	21.78	8.39	12.20	13.19	10.37	7.29E-37	7.77E-15	5.11E-15	4.07E-08	1.44E-02	8.10E-07	6.91E-14
544.26806	160.24	21.92	21.63	21.87	21.59	3.39E-01	5.40E-01	9.96E-01	4.42E-01	6.91E-01	9.98E-01	5.90E-01
544.306	174.06	14.61	15.23	14.98	14.21	1.08E-03	6.49E-02	4.35E-01	4.14E-01	7.64E-01	8.62E-04	1.89E-02
544.34277	222.23	15.59	10.39	11.15	10.74	1.66E-45	5.11E-15	5.11E-15	5.11E-15	9.22E-02	7.34E-01	5.97E-01
544.69597	79.04	12.54	11.56	12.48	12.00	1.29E-03	2.19E-03	9.98E-01	2.15E-01	5.30E-03	4.22E-01	3.15E-01
544.71323	66.81	14.26	13.99	15.75	14.64	1.11E-09	7.37E-01	1.92E-07	4.81E-01	2.17E-09	8.75E-02	4.52E-04
544.75479	72.69	13.43	10.75	12.19	12.62	2.06E-25	5.77E-15	1.19E-07	1.80E-03	2.34E-09	1.32E-13	2.19E-01
544.77173	45.98	18.92	18.37	19.33	18.95	1.88E-16	2.77E-07	2.22E-04	9.94E-01	4.33E-14	3.42E-07	1.40E-03
544.82919	43.79	16.18	17.12	17.42	17.30	2.80E-22	1.37E-12	4.06E-14	4.33E-14	6.67E-02	4.52E-01	7.93E-01
544.85108	39.44	18.48	18.46	18.29	18.73	1.13E-01	9.99E-01	6.62E-01	4.90E-01	7.75E-01	4.21E-01	6.68E-02
544.87253	45.09	16.59	17.76	17.85	17.77	1.88E-19	8.07E-14	4.31E-14	1.32E-13	9.30E-01	1.00E+00	9.56E-01
544.96676	150.9	14.77	15.44	15.79	15.18	1.59E-09	6.89E-05	4.18E-10	3.90E-02	1.10E-01	3.57E-01	8.43E-04
544.99329	54.07	13.86	21.46	14.00	13.58	8.39E-74	5.11E-15	9.72E-01	8.15E-01	5.11E-15	5.11E-15	5.78E-01
545.22932	151.69	13.42	14.17	15.15	14.07	2.56E-07	4.76E-02	3.37E-08	1.24E-01	5.50E-03	9.88E-01	2.39E-03
545.27177	150.25	20.41	19.51	19.85	19.52	1.56E-10	3.24E-09	3.76E-04	1.03E-08	7.76E-02	1.00E+00	9.86E-02
545.28912	164.67	12.88	10.54	11.11	10.14	1.86E-09	4.38E-07	1.83E-04	6.95E-09	5.43E-01	8.03E-01	1.23E-01
545.30025	179.57	8.80	13.09	13.77	9.00	3.16E-32	4.26E-14	1.02E-14	9.71E-01	3.98E-01	4.29E-14	3.46E-14
545.31171	167.96	12.94	13.07	12.67	11.85	1.10E-02	9.83E-01	8.83E-01	2.38E-02	7.07E-01	1.06E-02	1.53E-01
545.8572	35.37	12.56	13.26	11.96	12.77	4.98E-02	4.14E-01	5.36E-01	9.69E-01	2.70E-02	7.37E-01	3.17E-01
546.00084	61.43	13.00	18.55	10.96	11.65	2.73E-174	5.11E-15	5.11E-15	5.11E-15	5.11E-15	5.11E-15	6.64E-12
546.2605	194.19	14.41	13.58	14.03	13.98	1.26E-02	4.86E-03	4.05E-01	3.20E-01	2.80E-01	4.20E-01	9.97E-01
546.2832	187.02	21.42	20.46	20.66	20.83	1.43E-14	6.71E-14	7.62E-10	4.99E-06	3.07E-01	1.21E-02	4.88E-01
546.32086	220.7	15.50	15.53	15.68	15.06	3.04E-01	9.99E-01	9.37E-01	5.46E-01	9.69E-01	4.99E-01	2.50E-01
546.7066	74.97	14.22	11.82	14.14	14.23	9.56E-26	3.22E-14	9.82E-01	1.00E+00	4.26E-14	4.04E-14	9.80E-01
546.76756	49.25	16.13	15.24	15.85	15.26	2.79E-05	2.01E-04	5.33E-01	4.46E-04	2.56E-02	1.00E+00	3.98E-02
546.78755	66.14	16.22	12.13	15.60	15.95	8.49E-42	5.11E-15	6.89E-02	7.22E-01	5.11E-15	5.11E-15	5.61E-01
546.80911	54.92	19.19	19.13	20.07	19.96	8.66E-24	9.21E-01	4.26E-14	3.90E-12	4.39E-14	3.77E-13	7.11E-01
546.82898	55.51	14.84	12.72	13.89	14.40	6.25E-19	4.29E-14	5.05E-05	1.72E-01	6.57E-07	5.25E-12	1.00E-01
546.84913	51.11	15.91	13.94	14.66	14.95	3.37E-07	6.72E-08	9.91E-04	2.54E-02	1.53E-01	2.34E-02	8.38E-01
546.86719	39.53	17.17	19.67	19.19	19.23	6.62E-21	4.26E-14	1.41E-13	2.57E-13	2.19E-01	3.22E-01	9.99E-01

546.95663	69.81	12.94	13.64	10.92	11.61	3.53E-67	7.57E-09	5.11E-15	1.15E-14	5.11E-15	5.11E-15	9.31E-08
546.99438	61.15	10.55	17.92	10.32	10.60	5.10E-94	5.11E-15	7.40E-01	9.98E-01	5.11E-15	5.11E-15	6.60E-01
547.24522	166.53	13.86	13.86	14.50	13.57	5.79E-03	1.00E+00	5.90E-02	6.94E-01	6.89E-02	7.18E-01	3.57E-03
547.28681	177.09	19.37	18.21	18.59	18.65	3.92E-15	4.42E-14	2.71E-08	8.66E-07	2.62E-02	8.97E-03	9.69E-01
547.47434	247.98	14.27	12.89	12.55	13.94	1.20E-05	1.92E-03	4.66E-05	8.32E-01	8.17E-01	4.53E-02	3.10E-03
547.81218	55.7	14.93	13.82	15.38	15.36	1.92E-20	1.24E-10	2.13E-02	3.83E-02	4.37E-14	4.20E-14	1.00E+00
547.90693	36.38	15.45	16.67	16.81	16.09	8.99E-11	3.95E-08	6.12E-10	1.20E-02	9.06E-01	3.57E-02	4.43E-03
547.99928	61.63	13.60	14.68	11.73	12.41	5.70E-89	6.00E-15	5.11E-15	5.11E-15	5.11E-15	5.11E-15	1.94E-11
548.24243	290.39	15.92	15.47	15.39	15.51	4.24E-01	5.75E-01	4.16E-01	6.53E-01	9.95E-01	1.00E+00	9.89E-01
548.2946	165.14	18.16	16.65	17.12	17.18	2.16E-23	1.31E-14	3.34E-13	2.34E-11	2.88E-03	9.48E-04	9.74E-01
548.72432	74.72	16.05	15.38	15.33	15.46	1.21E-07	6.20E-06	6.97E-07	1.37E-04	9.79E-01	9.44E-01	7.79E-01
548.76753	55.24	18.98	19.28	20.35	20.11	1.78E-20	1.46E-01	4.35E-14	3.13E-12	4.09E-11	8.09E-07	3.91E-01
548.78746	52.95	17.77	17.55	18.79	18.54	9.59E-37	5.90E-02	1.04E-14	6.07E-14	5.11E-15	3.55E-14	3.08E-02
548.80677	53.11	18.05	17.69	18.53	18.44	2.29E-20	1.73E-04	9.95E-08	4.01E-05	4.29E-14	5.91E-14	7.33E-01
548.93193	57.14	12.34	12.30	14.73	14.38	1.98E-16	9.99E-01	1.09E-11	2.25E-08	1.83E-11	2.79E-08	7.18E-01
548.99246	30.91	11.88	13.86	13.29	11.46	3.10E-14	2.57E-09	2.61E-05	5.26E-01	2.59E-01	8.29E-12	1.42E-07
549.06424	18.32	13.50	11.90	13.53	14.56	2.16E-04	2.47E-02	1.00E+00	2.52E-01	2.43E-02	6.45E-05	2.98E-01
549.15201	67.44	12.67	13.85	10.60	11.27	7.42E-73	4.37E-14	5.11E-15	1.95E-14	5.11E-15	5.11E-15	1.89E-06
549.16904	26.94	12.25	14.85	14.53	13.02	2.73E-09	4.32E-08	1.53E-06	3.12E-01	8.83E-01	4.50E-04	5.35E-03
549.26656	203.48	13.52	13.98	14.62	13.99	1.04E-02	4.72E-01	3.90E-03	4.93E-01	2.23E-01	1.00E+00	2.44E-01
549.30291	167.67	15.64	13.31	14.03	14.39	3.58E-29	5.11E-15	4.37E-14	1.76E-10	3.74E-04	6.11E-08	1.80E-01
549.34394	189.06	16.25	16.71	16.10	14.31	8.56E-10	5.30E-01	9.72E-01	4.02E-07	3.00E-01	9.23E-10	5.04E-06
549.42938	257.81	17.51	17.40	17.78	17.59	3.06E-02	8.06E-01	1.45E-01	9.33E-01	1.82E-02	4.82E-01	4.77E-01
549.77077	57.51	14.24	13.73	16.04	15.76	2.19E-16	2.79E-01	2.86E-09	1.63E-06	2.94E-13	4.11E-10	7.67E-01
549.82431	44.74	13.41	14.99	13.39	13.75	7.10E-06	2.65E-05	1.00E+00	7.59E-01	3.21E-05	3.11E-03	7.41E-01
549.84866	39.3	16.15	17.19	17.26	16.41	2.04E-05	5.92E-04	1.79E-04	7.78E-01	9.94E-01	2.63E-02	1.17E-02
549.92839	55.19	12.42	15.63	16.76	15.83	3.50E-37	2.18E-14	5.11E-15	1.22E-14	7.53E-04	9.05E-01	1.12E-02
550.02763	19.44	11.90	16.15	16.28	15.50	1.52E-27	2.64E-14	1.53E-14	4.42E-14	9.88E-01	3.70E-01	2.11E-01
550.09702	22.27	10.91	11.59	11.75	14.79	1.19E-12	5.02E-01	2.99E-01	1.31E-12	9.87E-01	1.03E-08	4.42E-08
550.2566	209.05	13.95	15.43	15.38	14.00	8.95E-05	2.34E-03	3.35E-03	1.00E+00	9.99E-01	6.38E-03	8.85E-03
550.31591	190.39	18.67	17.19	18.04	17.56	6.00E-16	4.37E-14	8.77E-04	1.95E-09	4.95E-06	1.51E-01	2.72E-02
550.35009	188.64	14.64	15.52	16.00	13.99	7.17E-09	2.69E-02	8.80E-05	1.80E-01	4.17E-01	3.43E-05	1.78E-08
550.43341	257.62	14.52	13.91	14.90	14.73	5.10E-03	1.29E-01	5.27E-01	8.86E-01	3.52E-03	2.93E-02	9.41E-01
550.72161	75.62	13.78	11.55	12.40	12.49	1.67E-09	2.51E-10	1.25E-04	6.53E-04	4.98E-02	3.15E-02	9.94E-01
550.74264	66.93	15.80	15.47	15.23	15.32	1.39E-02	2.85E-01	1.09E-02	6.13E-02	5.74E-01	8.76E-01	9.60E-01
550.76632	54.24	17.76	17.79	19.04	18.77	4.00E-24	9.92E-01	4.11E-14	6.37E-12	4.26E-14	1.06E-10	1.94E-01
550.79143	53.79	16.00	15.23	16.83	16.60	5.99E-42	1.63E-13	4.46E-14	1.75E-08	5.11E-15	5.11E-15	1.17E-01
550.83258	34.8	12.57	15.23	14.69	14.99	2.99E-18	4.34E-14	2.92E-11	3.18E-13	2.73E-01	8.71E-01	7.54E-01
550.8785	35.91	16.24	17.93	17.98	17.96	2.40E-30	1.95E-14	1.02E-14	1.98E-14	9.87E-01	9.95E-01	1.00E+00
550.9008	38.51	17.31	19.57	19.56	19.57	1.18E-22	4.49E-14	4.33E-14	4.32E-14	1.00E+00	1.00E+00	1.00E+00
551.0057	61.01	14.25	18.25	12.60	13.14	8.14E-143	5.11E-15	5.11E-15	1.04E-14	5.11E-15	5.11E-15	2.09E-07
551.03817	18.01	12.15	14.18	12.43	12.48	6.64E-15	8.77E-14	6.45E-01	5.37E-01	1.32E-10	1.61E-09	9.97E-01
551.10006	20.54	12.89	14.10	14.10	15.82	5.08E-09	2.06E-02	1.96E-02	4.28E-10	1.00E+00	7.13E-04	6.03E-04
551.26121	163.81	19.76	19.15	19.43	19.16	6.11E-07	3.16E-06	2.96E-02	1.09E-05	8.77E-02	9.99E-01	1.34E-01
551.31987	182.75	16.56	14.54	15.08	15.15	9.48E-21	3.71E-14	1.22E-12	6.57E-11	3.44E-02	1.49E-02	9.81E-01

551.32974	258.3	14.64	14.07	13.58	14.53	3.37E-02	4.70E-01	3.30E-02	9.93E-01	6.00E-01	6.80E-01	9.27E-02
551.35891	199.13	15.94	17.29	16.98	15.84	1.50E-04	2.00E-03	2.69E-02	9.95E-01	8.45E-01	1.66E-03	2.06E-02
551.50483	277.25	16.29	14.93	15.02	16.97	1.65E-08	8.48E-04	1.92E-03	2.41E-01	9.94E-01	6.67E-07	1.76E-06
551.76894	57.67	13.14	10.51	12.78	12.64	7.57E-19	4.29E-14	5.33E-01	2.79E-01	1.94E-13	1.51E-11	9.63E-01
551.85717	38.61	15.34	15.77	16.16	14.93	8.86E-03	6.33E-01	9.89E-02	6.77E-01	7.05E-01	1.21E-01	6.41E-03
551.87301	36.92	12.35	14.08	13.79	14.10	3.51E-05	1.96E-04	2.59E-03	2.46E-04	8.98E-01	1.00E+00	8.84E-01
551.90409	38.16	12.04	13.30	12.98	13.79	1.80E-06	4.47E-04	1.46E-02	8.88E-07	7.44E-01	4.61E-01	6.92E-02
551.93037	58.55	13.42	10.19	12.75	13.81	8.10E-26	3.35E-14	1.10E-01	5.91E-01	1.05E-13	1.71E-14	4.74E-03
551.95266	62.99	15.39	11.41	15.37	15.75	8.01E-58	5.11E-15	1.00E+00	3.35E-01	5.11E-15	5.11E-15	3.12E-01
552.04844	25.51	10.95	15.02	14.60	13.92	2.56E-29	5.77E-15	2.09E-14	4.42E-14	5.81E-01	8.98E-03	2.03E-01
552.12871	19.66	14.03	12.49	11.71	11.57	1.62E-05	2.21E-02	9.60E-05	6.34E-05	4.70E-01	3.55E-01	9.95E-01
552.26927	188.3	19.57	20.87	20.86	20.13	1.26E-21	4.41E-14	4.33E-14	4.21E-04	1.00E+00	3.05E-06	3.19E-06
552.27407	292.64	16.25	13.75	13.60	14.29	1.46E-06	2.35E-05	5.46E-06	2.09E-03	9.93E-01	7.67E-01	6.04E-01
552.31054	205.09	17.30	17.63	17.98	17.79	3.90E-05	9.90E-02	1.43E-05	5.81E-03	7.31E-02	7.27E-01	5.44E-01
552.33152	216.82	22.91	22.58	22.73	22.31	1.22E-05	2.40E-02	3.66E-01	3.76E-06	6.13E-01	1.05E-01	3.20E-03
552.36708	203.78	17.21	19.39	19.37	18.90	3.07E-27	1.95E-14	1.91E-14	5.94E-14	1.00E+00	7.80E-02	9.04E-02
552.76373	54.19	15.07	12.67	15.69	14.79	2.12E-20	7.33E-14	1.21E-01	7.74E-01	4.13E-14	1.38E-10	1.39E-02
552.81605	140.06	13.07	7.60	6.76	8.88	3.91E-23	4.43E-14	2.93E-14	1.84E-10	4.99E-01	1.59E-01	3.40E-03
552.83905	39.93	19.34	19.85	19.80	19.87	1.04E-10	1.94E-08	3.96E-07	8.19E-09	9.26E-01	9.90E-01	7.98E-01
552.85893	46.52	19.61	22.11	22.11	21.95	3.23E-37	5.11E-15	5.11E-15	5.77E-15	1.00E+00	8.50E-01	8.38E-01
552.89573	16.95	13.79	15.52	15.38	14.04	1.40E-09	2.54E-07	2.11E-06	8.61E-01	9.66E-01	3.86E-05	2.23E-04
552.94252	66.01	14.80	18.84	13.35	13.81	1.88E-138	5.11E-15	5.11E-15	4.05E-14	5.11E-15	5.11E-15	3.04E-05
553.04928	17.89	10.95	14.71	13.36	13.09	1.50E-15	4.13E-14	6.46E-08	4.40E-06	7.58E-03	1.27E-03	9.23E-01
553.26118	167.81	16.48	15.37	15.71	15.50	2.38E-13	1.99E-12	8.45E-07	1.04E-09	9.68E-02	8.37E-01	4.89E-01
553.27737	200.67	17.21	18.87	18.97	18.10	5.14E-26	3.89E-14	1.89E-14	4.73E-07	9.28E-01	3.44E-05	1.82E-06
553.31375	205.49	15.38	15.42	15.79	15.59	1.73E-01	9.97E-01	1.70E-01	7.18E-01	2.81E-01	8.43E-01	7.96E-01
553.33491	203.43	21.05	20.63	20.77	20.41	1.92E-06	1.70E-03	5.90E-02	5.81E-07	6.59E-01	2.39E-01	1.49E-02
553.37091	199.33	13.61	17.12	16.94	16.66	3.49E-17	6.46E-14	2.52E-13	7.00E-11	9.73E-01	7.10E-01	9.13E-01
553.84509	43.14	15.56	15.14	14.60	15.35	9.01E-06	1.24E-01	3.68E-06	7.08E-01	2.66E-02	7.19E-01	1.01E-03
553.8622	46.43	15.33	18.36	18.36	18.26	4.50E-35	5.11E-15	5.11E-15	7.11E-15	1.00E+00	9.76E-01	9.72E-01
553.87367	34.12	12.36	13.54	13.55	13.79	1.51E-06	1.66E-04	1.31E-04	5.69E-06	1.00E+00	8.29E-01	8.34E-01
553.94029	33.19	16.36	18.15	18.45	17.38	1.03E-17	9.52E-13	4.41E-14	1.11E-04	5.86E-01	8.12E-03	7.18E-05
553.96501	26.26	9.40	13.11	13.88	12.53	1.80E-34	9.77E-15	5.11E-15	4.11E-14	7.62E-02	3.02E-01	3.08E-04
554.12468	18.06	15.10	18.25	18.63	19.14	1.60E-30	4.30E-14	1.80E-14	5.33E-15	6.46E-01	3.82E-02	3.97E-01
554.28536	199.9	16.92	19.48	19.46	18.03	1.24E-33	5.11E-15	5.11E-15	9.09E-07	1.00E+00	2.77E-10	3.50E-10
554.30457	217.41	20.12	20.67	20.04	20.62	1.01E-05	1.47E-03	9.44E-01	6.37E-03	2.44E-04	9.89E-01	1.26E-03
554.32868	216.16	14.02	15.17	15.06	14.51	1.54E-03	2.60E-03	7.21E-03	4.50E-01	9.88E-01	2.20E-01	3.66E-01
554.34697	246.37	26.44	22.29	21.79	22.34	9.28E-61	5.11E-15	5.11E-15	5.11E-15	1.24E-01	9.96E-01	8.30E-02
554.35804	58.13	18.95	21.40	18.52	18.57	2.01E-119	5.11E-15	6.33E-10	1.55E-07	5.11E-15	5.11E-15	8.72E-01
554.38312	194.4	12.62	13.86	15.25	14.68	6.99E-12	2.68E-03	6.34E-12	1.92E-07	8.23E-04	1.22E-01	4.16E-01
554.73238	59.41	16.01	12.48	16.03	16.49	3.05E-53	5.11E-15	1.00E+00	9.78E-02	5.11E-15	5.11E-15	1.32E-01
554.77475	62.23	16.52	15.81	16.41	16.52	1.08E-11	3.12E-10	7.22E-01	1.00E+00	1.73E-07	1.62E-09	7.13E-01
554.7963	51.02	21.97	23.02	23.23	23.06	6.74E-44	5.11E-15	5.11E-15	5.11E-15	4.54E-02	9.74E-01	1.46E-01
554.83663	45.14	16.59	17.03	16.88	17.09	2.73E-06	4.70E-05	1.40E-02	7.58E-06	4.21E-01	9.57E-01	1.88E-01
554.85574	46.37	17.36	19.35	19.40	19.34	2.15E-38	5.11E-15	5.11E-15	5.11E-15	9.81E-01	1.00E+00	9.71E-01

554.9414	68.3	13.21	13.75	11.06	11.80	2.06E-50	1.06E-03	5.11E-15	4.35E-14	5.11E-15	5.11E-15	1.07E-05
554.95878	62.77	13.35	18.71	11.14	11.91	5.20E-122	5.11E-15	5.11E-15	4.24E-14	5.11E-15	5.11E-15	2.41E-05
554.99354	17.61	12.48	15.50	16.08	14.23	3.23E-14	5.80E-10	1.68E-13	9.45E-04	5.69E-01	3.54E-02	4.96E-04
555.06311	17.66	13.17	13.31	13.93	13.44	6.21E-01	9.96E-01	5.80E-01	9.72E-01	7.41E-01	9.97E-01	8.65E-01
555.10822	17.17	11.55	17.67	16.45	16.25	2.24E-25	1.27E-14	4.40E-14	4.85E-14	1.13E-01	5.60E-02	9.83E-01
555.12771	18.09	15.07	18.38	18.77	18.89	7.59E-28	4.25E-14	2.24E-14	2.26E-14	6.63E-01	4.59E-01	9.84E-01
555.27281	163.85	23.77	23.42	24.07	23.85	8.01E-05	4.93E-02	1.07E-01	9.17E-01	2.14E-05	1.21E-02	4.25E-01
555.30164	212.63	18.12	19.12	18.92	18.68	8.15E-08	7.51E-08	1.76E-05	7.21E-03	6.65E-01	7.20E-02	5.31E-01
555.35039	249.99	24.62	20.13	19.44	20.42	2.49E-64	5.11E-15	5.11E-15	5.11E-15	1.84E-02	6.10E-01	3.17E-04
555.35887	58.22	17.62	20.42	17.16	17.23	1.83E-132	5.11E-15	2.05E-11	2.86E-08	5.11E-15	5.11E-15	7.51E-01
555.44234	218.93	16.16	12.01	12.31	14.06	1.18E-22	4.07E-14	4.20E-14	4.44E-06	8.81E-01	1.25E-05	2.32E-04
555.79953	51.16	18.13	19.15	19.45	19.25	2.05E-44	5.11E-15	5.11E-15	5.11E-15	1.25E-03	6.41E-01	6.66E-02
555.85614	41.27	10.26	12.63	13.16	13.76	1.71E-16	2.65E-08	6.30E-12	4.57E-14	5.29E-01	3.05E-02	4.54E-01
555.95581	52.11	11.17	13.63	12.52	11.75	1.85E-18	4.24E-14	7.17E-07	1.08E-01	9.77E-05	6.05E-11	1.81E-02
556.11129	17.74	13.91	18.91	17.68	16.13	9.63E-17	4.23E-14	1.50E-10	4.85E-04	1.20E-01	1.33E-05	3.43E-02
556.27686	155.68	22.02	21.67	22.35	22.13	6.20E-05	6.44E-02	7.36E-02	8.55E-01	1.71E-05	1.04E-02	4.26E-01
556.30257	213.14	18.35	19.48	19.17	18.83	7.51E-13	5.44E-13	1.18E-07	6.17E-03	1.39E-01	1.22E-04	1.05E-01
556.32337	207.27	19.95	19.78	19.56	19.12	2.30E-06	6.90E-01	4.51E-02	1.10E-06	4.55E-01	2.28E-04	2.86E-02
556.35314	237.62	22.20	16.53	16.39	17.06	8.36E-65	5.11E-15	5.11E-15	5.11E-15	9.62E-01	2.33E-01	8.27E-02
556.3642	67.1	10.63	16.34	9.39	9.82	1.45E-160	5.11E-15	5.11E-15	1.13E-13	5.11E-15	5.11E-15	1.18E-04
556.73355	66.5	18.69	19.06	19.87	19.49	8.62E-26	1.60E-03	7.11E-15	7.65E-13	2.27E-13	2.24E-04	1.55E-03
556.75379	72.31	14.85	12.59	14.97	14.81	4.77E-32	6.22E-15	9.17E-01	9.97E-01	5.33E-15	1.62E-14	8.48E-01
556.7725	72.21	14.97	13.37	14.82	15.03	4.95E-27	2.11E-14	7.18E-01	9.77E-01	4.51E-14	2.71E-14	5.02E-01
556.81172	43.79	18.28	19.77	19.98	19.77	3.74E-50	5.11E-15	5.11E-15	5.11E-15	1.21E-01	1.00E+00	1.47E-01
556.85076	43.81	16.46	16.75	17.00	17.22	1.42E-09	4.39E-02	1.18E-05	1.09E-09	1.39E-01	4.88E-04	2.16E-01
556.90789	33.99	14.37	13.39	13.93	14.72	3.77E-02	1.36E-01	7.56E-01	8.82E-01	6.51E-01	3.07E-02	3.48E-01
556.95747	66.29	13.58	13.89	11.69	12.37	2.97E-79	8.84E-04	5.11E-15	5.11E-15	5.11E-15	5.11E-15	1.38E-13
557.11084	21.42	12.72	16.42	15.51	15.19	5.99E-10	4.33E-10	2.61E-06	7.74E-05	3.48E-01	1.38E-01	9.44E-01
557.20153	63.62	8.90	22.93	8.19	8.40	1.35E-151	5.11E-15	1.48E-02	1.64E-01	5.11E-15	5.11E-15	8.42E-01
557.28465	158.73	22.04	21.64	22.01	21.48	2.45E-04	3.17E-02	9.96E-01	1.09E-03	6.58E-02	7.04E-01	3.08E-03
557.30612	208.78	15.88	17.21	16.84	16.50	2.16E-08	9.07E-09	4.83E-05	2.49E-02	3.01E-01	8.12E-03	4.18E-01
557.32791	207.47	18.73	17.64	17.50	17.02	3.88E-20	6.07E-10	2.54E-12	4.11E-14	8.39E-01	1.85E-03	2.33E-02
557.35584	227.07	18.90	8.91	7.71	9.73	2.77E-55	5.11E-15	5.11E-15	5.11E-15	1.66E-01	5.24E-01	4.50E-03
557.45714	242.78	16.00	15.34	15.50	15.97	4.32E-05	3.22E-04	9.78E-03	9.98E-01	7.69E-01	1.48E-03	2.81E-02
557.73667	69.17	13.19	8.92	14.47	12.91	7.95E-44	5.11E-15	2.38E-04	8.21E-01	5.11E-15	6.00E-15	1.60E-05
557.79765	51.76	15.75	16.66	16.78	16.72	6.91E-30	3.72E-14	6.66E-15	2.66E-14	4.76E-01	8.89E-01	9.06E-01
557.81306	47.25	12.71	16.13	15.54	15.45	2.45E-26	1.07E-14	4.37E-14	4.30E-14	1.95E-01	1.24E-01	9.92E-01
557.89216	46.29	12.14	13.67	12.83	13.49	2.67E-02	2.84E-02	5.76E-01	7.86E-02	4.41E-01	9.90E-01	6.60E-01
558.20393	55.11	11.40	21.58	9.73	10.19	1.32E-153	5.11E-15	4.15E-14	1.36E-09	5.11E-15	5.11E-15	6.92E-02
558.224	120.47	13.67	11.76	15.16	14.33	1.02E-11	9.58E-05	3.75E-03	4.53E-01	3.39E-12	3.52E-07	2.68E-01
558.28738	170.38	20.18	19.66	20.04	19.51	2.20E-05	2.47E-03	7.73E-01	8.13E-05	5.29E-02	7.82E-01	3.67E-03
558.31508	225.68	16.29	9.06	8.56	10.94	1.52E-27	2.71E-14	8.88E-15	7.20E-13	8.81E-01	3.53E-02	3.54E-03
558.33396	245.23	14.49	20.10	19.55	19.01	3.20E-37	5.11E-15	5.11E-15	1.73E-14	5.00E-01	4.12E-02	5.52E-01
558.73172	59.42	17.04	16.99	18.18	17.71	9.82E-22	9.77E-01	4.32E-14	9.10E-07	4.24E-14	2.78E-07	1.36E-03
558.74919	52.74	19.64	19.73	20.62	20.30	5.15E-27	7.05E-01	1.47E-14	1.21E-11	4.26E-14	1.36E-08	2.32E-03

558.79172	46.86	16.16	16.57	16.88	16.79	4.49E-13	1.03E-04	1.86E-12	1.95E-09	7.54E-03	1.14E-01	8.09E-01
558.80812	48.43	18.24	19.21	19.58	19.49	1.70E-37	3.75E-14	5.11E-15	5.11E-15	6.46E-04	2.27E-02	7.86E-01
558.82474	38.09	16.27	17.75	17.93	17.90	1.07E-30	3.33E-14	6.66E-15	1.42E-14	5.92E-01	7.39E-01	9.97E-01
558.84218	36.64	14.05	12.93	13.70	13.53	1.13E-03	3.83E-04	5.62E-01	2.49E-01	3.52E-02	1.74E-01	9.35E-01
558.86633	46.48	16.29	14.39	14.48	15.16	3.06E-06	1.20E-05	2.72E-05	2.56E-02	9.96E-01	2.45E-01	3.43E-01
558.88776	39.08	16.40	18.62	18.20	18.43	3.00E-16	7.03E-14	3.16E-10	8.60E-12	3.98E-01	8.99E-01	8.40E-01
558.99061	28.28	16.62	12.21	11.89	12.80	5.35E-26	4.13E-14	2.02E-14	4.71E-14	8.73E-01	5.49E-01	1.65E-01
559.01476	61.87	10.62	16.40	10.23	10.07	2.63E-77	5.11E-15	3.53E-01	1.14E-01	5.11E-15	5.11E-15	9.18E-01
559.06894	17.33	17.31	21.50	21.23	19.49	6.67E-34	5.11E-15	5.33E-15	4.18E-10	8.28E-01	2.20E-08	1.22E-06
559.20005	62.83	9.39	18.17	9.53	8.99	3.76E-91	5.11E-15	9.63E-01	5.28E-01	5.11E-15	5.11E-15	2.82E-01
559.20801	55.84	12.34	14.36	11.33	11.31	1.02E-25	5.02E-12	9.17E-04	1.05E-03	2.26E-14	3.02E-14	1.00E+00
559.28498	165.32	12.59	9.40	11.32	11.23	3.72E-16	4.35E-14	9.45E-04	5.81E-04	3.07E-07	2.65E-06	9.94E-01
559.29548	169.75	16.96	16.49	16.71	16.11	2.19E-04	5.75E-02	5.30E-01	8.95E-05	6.47E-01	2.31E-01	1.33E-02
559.30079	166.19	19.98	19.24	19.63	18.91	5.74E-07	6.30E-04	2.34E-01	4.53E-07	1.83E-01	3.38E-01	1.75E-03
559.33733	223.31	15.27	16.91	15.62	18.06	1.43E-17	7.36E-07	6.49E-01	4.25E-14	2.03E-04	1.89E-03	1.55E-12
559.47312	244.05	22.00	21.57	21.73	21.67	6.05E-04	3.43E-04	5.35E-02	1.43E-02	4.24E-01	7.88E-01	9.47E-01
559.7527	62.04	14.73	13.36	15.93	15.51	2.29E-34	8.48E-13	1.58E-10	9.81E-05	5.11E-15	1.02E-14	9.32E-02
559.81404	45.08	13.29	13.02	12.85	13.49	5.90E-03	4.70E-01	8.08E-02	6.99E-01	8.02E-01	7.46E-02	5.53E-03
559.89137	32.4	12.56	13.83	13.90	13.62	1.69E-04	1.08E-03	3.96E-04	1.18E-02	9.96E-01	9.36E-01	8.51E-01
560.07433	18.41	15.99	19.13	18.98	17.71	1.17E-35	5.11E-15	5.11E-15	1.28E-11	9.23E-01	6.24E-08	1.09E-06
560.14162	19.32	13.52	13.60	12.63	13.11	7.06E-02	9.98E-01	1.11E-01	7.44E-01	8.43E-02	6.51E-01	6.60E-01
560.20324	63.69	13.04	14.39	11.04	11.72	1.69E-85	5.11E-15	5.11E-15	5.77E-15	5.11E-15	5.11E-15	1.36E-08
560.24024	183.94	15.49	16.00	16.48	15.91	1.40E-03	1.70E-01	3.93E-04	3.40E-01	2.20E-01	9.88E-01	1.25E-01
560.30307	174.3	18.59	17.49	17.93	17.28	9.11E-20	6.83E-14	4.82E-06	4.24E-14	5.11E-03	4.11E-01	1.47E-05
560.33097	223.39	15.61	17.26	15.73	18.21	1.65E-16	1.11E-06	9.80E-01	1.16E-13	1.10E-05	1.82E-02	1.95E-12
560.47748	240.5	20.57	20.03	20.21	20.14	2.09E-05	1.43E-05	7.47E-03	1.54E-03	3.81E-01	7.54E-01	9.44E-01
560.72896	70.11	13.10	11.00	12.42	12.79	3.42E-19	4.35E-14	6.63E-03	4.78E-01	1.54E-09	2.83E-13	3.29E-01
560.7459	52.21	18.56	17.82	19.26	18.93	9.08E-35	9.28E-13	1.02E-11	9.44E-04	5.11E-15	2.20E-14	5.60E-03
560.80452	40.8	16.29	16.29	16.60	16.32	3.84E-02	1.00E+00	5.51E-02	9.95E-01	6.99E-02	9.96E-01	1.33E-01
560.82495	38.11	18.15	18.71	18.23	18.60	3.65E-04	1.33E-03	9.52E-01	1.80E-02	9.90E-03	9.08E-01	8.00E-02
560.85083	48.38	16.57	16.67	17.15	17.15	2.94E-06	8.55E-01	8.83E-05	1.85E-04	2.98E-03	4.80E-03	1.00E+00
560.96661	56.53	13.40	20.69	14.28	13.74	6.00E-65	5.11E-15	3.03E-02	7.36E-01	5.11E-15	5.11E-15	3.67E-01
561.04885	16.78	9.07	12.33	12.04	11.84	1.20E-16	6.48E-14	1.71E-12	1.76E-10	8.75E-01	6.16E-01	9.60E-01
561.0714	20.57	14.81	14.59	14.71	13.61	2.02E-03	9.09E-01	9.91E-01	2.21E-03	9.83E-01	2.32E-02	7.24E-03
561.24338	171.39	13.24	12.18	12.72	12.62	1.38E-02	5.74E-03	3.52E-01	2.32E-01	3.53E-01	5.63E-01	9.91E-01
561.33286	214.08	16.50	16.81	15.76	16.61	7.04E-07	3.40E-01	5.09E-04	9.45E-01	5.73E-07	7.23E-01	1.34E-04
561.48522	259.43	19.61	18.93	19.09	19.72	1.68E-04	3.70E-03	4.17E-02	9.51E-01	8.53E-01	1.11E-03	1.40E-02
561.75182	42.39	12.76	10.48	12.15	12.35	5.09E-10	3.69E-10	2.50E-01	6.17E-01	9.19E-06	1.40E-06	9.43E-01
561.83133	41.32	12.39	13.28	12.44	13.46	4.67E-02	2.18E-01	1.00E+00	1.12E-01	2.78E-01	9.84E-01	1.50E-01
561.97992	31.16	11.94	18.33	17.00	16.20	2.77E-64	5.11E-15	5.11E-15	5.11E-15	1.17E-05	5.98E-12	2.32E-02
562.0533	18.87	12.14	15.64	15.53	15.44	7.86E-22	4.40E-14	4.42E-14	4.69E-14	9.92E-01	9.57E-01	9.95E-01
562.25617	197.26	17.52	17.95	18.23	17.72	7.09E-03	1.72E-01	4.20E-03	7.94E-01	5.62E-01	7.19E-01	9.42E-02
562.31561	191.28	21.04	21.19	21.22	21.01	1.85E-01	5.36E-01	3.88E-01	9.92E-01	9.96E-01	4.10E-01	2.86E-01
562.34268	291.46	16.93	14.37	12.52	15.38	5.67E-34	5.08E-14	5.11E-15	4.24E-06	2.05E-08	7.42E-03	4.35E-14
562.49195	260.65	16.59	16.18	16.35	18.20	5.91E-08	5.95E-01	8.83E-01	3.01E-05	9.56E-01	1.92E-07	1.82E-06

562.74108	60.33	16.42	13.27	16.20	16.35	1.57E-52	5.11E-15	5.72E-01	9.82E-01	5.11E-15	5.11E-15	8.30E-01
562.76232	67.48	15.87	12.55	14.41	14.20	1.27E-33	5.11E-15	5.11E-10	8.54E-12	8.72E-14	6.10E-11	7.99E-01
562.78301	55.07	17.43	16.93	18.31	18.15	6.05E-23	6.86E-04	4.08E-10	9.85E-07	3.92E-14	4.26E-14	6.32E-01
562.80287	16.77	15.51	17.28	17.17	18.07	1.65E-28	4.43E-14	4.47E-14	5.11E-15	9.47E-01	7.08E-04	7.15E-05
562.82279	53.88	15.64	13.04	14.53	14.85	1.82E-14	4.44E-14	1.07E-03	4.62E-02	7.82E-06	1.15E-07	7.32E-01
562.84111	37.23	18.44	20.75	20.28	20.28	7.42E-29	5.33E-15	4.27E-14	4.34E-14	6.57E-02	8.30E-02	1.00E+00
562.89935	40.57	12.74	13.12	14.27	14.34	4.81E-05	7.74E-01	6.84E-04	6.19E-04	2.34E-02	1.94E-02	9.99E-01
562.95743	145.53	11.92	12.01	13.98	15.99	3.05E-27	9.93E-01	2.60E-08	1.20E-14	2.62E-07	2.60E-14	3.28E-07
562.9688	61.27	13.64	18.41	11.69	12.38	1.95E-160	5.11E-15	5.11E-15	5.11E-15	5.11E-15	5.11E-15	2.27E-11
563.14551	65.95	12.33	12.78	10.34	10.98	1.88E-59	8.00E-04	5.11E-15	1.58E-14	5.11E-15	5.11E-15	1.43E-06
563.18077	20.69	11.97	13.45	12.99	12.37	2.76E-02	2.31E-02	1.89E-01	8.70E-01	8.22E-01	2.00E-01	6.60E-01
563.25955	181.61	14.92	14.80	15.18	14.91	5.46E-01	9.70E-01	7.46E-01	1.00E+00	4.89E-01	9.78E-01	7.61E-01
563.31916	192.63	19.20	19.24	19.29	19.12	5.66E-01	9.84E-01	8.66E-01	9.08E-01	9.79E-01	7.51E-01	5.07E-01
563.34687	233.95	16.23	9.86	8.94	10.92	1.48E-55	5.11E-15	5.11E-15	5.11E-15	6.36E-02	2.96E-02	2.23E-06
563.5052	269.91	24.65	23.81	23.86	24.24	9.78E-09	9.64E-08	4.18E-07	3.04E-02	9.87E-01	2.36E-02	5.32E-02
563.75168	55.87	11.75	9.50	12.61	12.57	7.23E-15	6.57E-08	1.05E-01	1.55E-01	3.75E-13	3.17E-12	1.00E+00
563.84302	41.76	14.38	16.14	15.49	15.60	6.39E-13	2.33E-13	3.05E-06	7.10E-07	1.87E-02	8.38E-02	9.66E-01
563.88033	37.25	16.24	16.89	17.35	16.62	2.78E-05	2.24E-02	8.60E-06	3.68E-01	1.97E-01	6.57E-01	1.17E-02
564.31827	197.83	15.19	12.53	11.61	12.63	6.72E-17	4.34E-10	4.19E-14	4.46E-09	9.50E-02	9.96E-01	6.21E-02
564.33127	213.32	25.60	26.54	26.28	26.22	1.33E-10	6.65E-11	2.66E-06	3.49E-05	2.00E-01	1.05E-01	9.82E-01
564.50858	264.9	23.30	22.44	22.49	22.85	1.54E-08	1.27E-07	4.99E-07	1.67E-02	9.89E-01	4.72E-02	9.53E-02
564.69972	76.57	15.65	16.45	16.36	15.97	3.69E-08	2.15E-07	3.62E-06	1.16E-01	9.29E-01	7.53E-03	4.01E-02
564.72109	92.91	12.74	12.02	12.20	12.00	2.92E-02	4.69E-02	2.05E-01	4.86E-02	9.14E-01	1.00E+00	9.01E-01
564.76221	57.56	17.22	16.88	18.51	18.19	1.43E-28	5.99E-02	4.37E-14	2.53E-10	9.77E-15	4.32E-14	1.03E-01
564.77994	50.77	17.58	14.89	16.62	17.07	1.58E-54	5.11E-15	5.96E-12	6.69E-04	5.11E-15	5.11E-15	5.69E-03
564.83555	38.19	16.17	17.76	17.87	17.22	4.55E-15	5.44E-12	1.78E-13	1.21E-05	9.57E-01	7.12E-02	1.76E-02
564.91532	45.3	15.28	15.86	15.91	16.42	3.62E-02	4.06E-01	3.24E-01	1.77E-02	9.99E-01	4.96E-01	5.68E-01
564.93638	26.07	13.55	15.43	16.22	15.61	1.38E-12	8.19E-07	1.47E-12	1.31E-07	1.15E-01	9.62E-01	3.29E-01
564.99802	26.73	17.09	14.18	14.12	15.10	7.24E-14	1.58E-11	4.23E-12	9.42E-06	9.99E-01	1.19E-01	8.26E-02
565.04896	16.75	22.16	24.11	23.96	23.58	5.29E-39	5.11E-15	5.11E-15	3.46E-14	6.82E-01	9.98E-04	3.12E-02
565.21915	116.93	10.69	12.74	14.00	12.19	3.48E-11	2.98E-05	4.27E-12	5.48E-03	2.66E-02	6.34E-01	5.98E-04
565.27636	170.92	16.51	14.75	14.90	14.86	1.75E-20	4.31E-14	5.13E-14	5.72E-14	8.63E-01	9.41E-01	9.98E-01
565.33479	217.98	23.89	24.73	24.44	24.42	3.05E-08	7.71E-09	2.38E-04	6.82E-04	1.41E-01	1.27E-01	9.99E-01
565.51521	278.22	20.98	19.99	20.09	20.57	4.67E-08	2.98E-07	3.29E-06	1.06E-01	9.53E-01	1.04E-02	4.26E-02
565.75984	59.13	11.40	9.43	12.66	12.77	5.08E-26	2.91E-10	7.98E-05	2.98E-05	2.55E-14	2.46E-14	9.82E-01
565.7979	43.28	13.03	13.60	12.75	13.33	4.35E-05	7.99E-03	3.93E-01	3.38E-01	2.85E-05	4.88E-01	1.02E-02
565.82326	43.04	15.64	14.78	14.54	14.67	4.42E-04	1.33E-02	6.08E-04	5.12E-03	8.37E-01	9.83E-01	9.70E-01
565.90218	56.14	11.34	11.41	14.37	14.15	7.03E-24	9.96E-01	4.24E-14	1.04E-13	4.56E-14	9.69E-13	9.14E-01
565.92196	50.52	10.24	12.26	12.97	13.36	3.76E-12	1.62E-05	2.13E-09	4.19E-11	3.47E-01	6.45E-02	8.10E-01
566.05235	16.85	19.38	21.14	20.99	20.71	1.34E-40	5.11E-15	5.11E-15	1.67E-14	5.63E-01	2.41E-03	9.30E-02
566.10763	19.11	16.76	16.15	15.26	16.55	6.72E-04	3.67E-01	4.70E-04	9.47E-01	9.96E-02	7.46E-01	6.93E-03
566.25013	151.03	18.46	16.17	16.50	17.11	2.86E-26	9.33E-15	4.22E-14	5.85E-10	3.53E-01	3.90E-05	1.37E-02
566.34278	220.81	24.67	22.62	22.17	22.54	2.10E-48	5.11E-15	5.11E-15	5.11E-15	1.06E-02	9.59E-01	5.50E-02
566.38296	209.41	12.53	15.36	15.96	14.41	7.05E-28	4.24E-14	5.33E-15	1.58E-09	1.43E-01	6.67E-03	1.06E-06
566.52124	289.12	15.82	14.51	15.09	16.51	7.46E-04	3.41E-02	4.13E-01	4.95E-01	6.41E-01	5.81E-04	2.49E-02

566.69843	78.21	12.72	12.79	13.49	11.87	1.81E-03	9.98E-01	1.90E-01	1.44E-01	2.87E-01	1.15E-01	5.09E-04
566.71586	72.05	15.17	15.68	15.69	14.88	6.33E-06	1.88E-02	1.54E-02	3.44E-01	1.00E+00	9.51E-05	6.94E-05
566.7603	57.58	15.59	14.72	16.84	16.49	3.64E-28	2.45E-06	8.07E-12	2.28E-06	5.77E-15	4.29E-14	1.95E-01
566.7761	55.49	14.61	8.17	12.36	12.06	8.64E-32	5.11E-15	3.31E-06	3.40E-07	4.29E-14	8.82E-14	9.22E-01
566.8074	43.95	12.99	16.43	15.69	15.60	5.58E-47	5.11E-15	5.11E-15	5.11E-15	9.23E-04	2.98E-04	9.75E-01
566.83006	35.72	11.87	11.65	13.93	11.77	1.16E-05	9.72E-01	2.26E-04	9.97E-01	6.27E-05	9.96E-01	2.56E-04
566.85288	38.02	16.71	17.76	17.15	17.67	8.88E-11	1.03E-09	2.55E-02	6.34E-08	1.02E-03	9.42E-01	1.00E-02
566.87461	46.68	18.83	20.44	20.49	20.46	3.69E-30	1.98E-14	1.07E-14	2.29E-14	9.87E-01	9.99E-01	9.98E-01
566.97613	60.83	12.84	18.27	10.50	11.34	1.07E-125	5.11E-15	5.11E-15	4.44E-14	5.11E-15	5.11E-15	1.47E-06
566.99783	61.56	11.36	13.90	8.82	9.18	8.06E-44	6.22E-14	5.53E-14	1.09E-10	5.11E-15	5.11E-15	6.56E-01
567.05398	17.39	17.50	19.14	19.06	18.77	1.28E-33	5.11E-15	5.33E-15	4.46E-14	9.18E-01	2.34E-02	1.10E-01
567.23485	163.45	17.45	17.87	18.30	17.44	7.37E-11	7.22E-03	1.65E-09	1.00E+00	7.55E-03	9.29E-03	6.99E-09
567.25358	146.42	16.49	12.67	12.86	13.94	7.71E-58	5.11E-15	5.11E-15	5.11E-15	7.58E-01	5.80E-09	6.75E-07
567.29416	170.79	12.44	15.47	17.11	12.67	3.85E-26	6.97E-11	2.35E-14	9.51E-01	1.01E-03	1.10E-08	4.25E-14
567.35598	289.93	16.33	18.89	19.28	18.93	4.08E-17	9.31E-12	4.65E-14	1.54E-11	6.72E-01	1.00E+00	7.52E-01
567.53645	297.37	17.37	19.56	20.44	19.67	2.51E-10	9.07E-06	1.88E-10	5.01E-06	2.11E-01	9.95E-01	3.52E-01
567.84101	40.14	15.66	15.89	14.60	15.26	1.18E-03	9.05E-01	7.59E-03	6.34E-01	1.04E-03	2.76E-01	2.32E-01
567.87772	45.39	13.81	16.44	16.40	16.47	8.32E-28	3.15E-14	3.42E-14	3.38E-14	9.99E-01	9.99E-01	9.92E-01
567.92678	62.78	16.47	13.23	17.17	17.26	9.18E-46	5.11E-15	1.50E-02	6.25E-03	5.11E-15	5.11E-15	9.82E-01
567.98302	62.25	12.61	14.29	10.64	11.30	2.09E-106	5.11E-15	5.11E-15	5.11E-15	5.11E-15	5.11E-15	6.59E-11
568.23773	163.82	15.25	15.66	16.08	15.13	2.54E-07	7.82E-02	8.51E-06	8.96E-01	7.08E-02	1.75E-02	1.12E-06
568.26793	168.15	22.58	21.55	22.26	21.12	1.52E-10	1.14E-05	4.18E-01	8.98E-10	6.07E-03	2.30E-01	3.56E-06
568.36237	226.64	21.88	25.02	25.21	25.48	1.76E-24	4.17E-14	4.20E-14	4.11E-14	9.47E-01	5.66E-01	8.67E-01
568.53901	297.39	15.39	18.17	19.12	18.23	2.24E-11	9.94E-07	2.71E-11	1.13E-06	2.71E-01	1.00E+00	3.49E-01
568.78721	52.63	15.52	15.64	15.97	15.61	6.55E-03	8.01E-01	4.29E-03	9.15E-01	7.62E-02	9.96E-01	4.98E-02
568.7904	143.1	14.03	10.70	9.55	11.34	7.58E-16	1.18E-09	4.35E-14	2.03E-06	1.07E-01	6.20E-01	3.82E-03
568.81155	48.4	19.48	19.44	19.69	19.80	8.02E-04	9.85E-01	1.20E-01	5.83E-03	6.20E-02	2.53E-03	6.59E-01
568.8377	39.78	20.20	22.34	22.46	22.27	4.30E-44	5.11E-15	5.11E-15	5.11E-15	8.54E-01	9.61E-01	5.80E-01
568.87164	43.55	15.56	17.31	17.25	17.57	1.01E-18	2.88E-13	8.77E-13	4.24E-14	9.93E-01	6.70E-01	5.00E-01
568.91606	67.85	13.79	17.33	11.93	12.57	5.47E-138	5.11E-15	5.11E-15	5.11E-15	5.11E-15	5.11E-15	1.28E-09
568.9762	62.14	13.27	15.20	11.21	11.89	1.44E-107	5.11E-15	5.11E-15	5.11E-15	5.11E-15	5.11E-15	2.60E-10
569.00901	17.66	10.24	15.93	16.29	15.27	3.21E-36	5.11E-15	5.11E-15	2.00E-14	8.50E-01	4.78E-01	1.16E-01
569.23132	160.91	11.52	11.26	12.81	11.24	3.85E-05	8.80E-01	1.98E-03	8.63E-01	1.82E-04	1.00E+00	2.20E-04
569.2716	167.33	20.64	19.41	19.96	19.24	2.90E-10	7.68E-08	6.41E-03	2.25E-09	4.85E-02	8.64E-01	5.71E-03
569.36606	225.68	20.71	24.25	23.51	23.98	2.78E-22	4.17E-14	1.71E-13	4.29E-14	1.64E-01	8.87E-01	5.69E-01
569.54268	297.36	14.25	14.72	16.32	15.82	1.42E-06	6.54E-01	3.46E-06	1.23E-03	8.40E-04	5.36E-02	6.36E-01
569.81894	46.74	15.67	15.24	14.36	15.16	1.02E-07	1.77E-01	1.66E-08	9.09E-02	4.63E-04	9.85E-01	2.46E-03
569.84129	42.91	16.26	18.66	18.83	18.66	1.60E-40	5.11E-15	5.11E-15	5.11E-15	7.58E-01	1.00E+00	7.68E-01
569.91615	40.76	15.76	17.60	17.48	16.71	3.19E-16	7.31E-14	5.50E-13	2.11E-04	9.57E-01	7.93E-04	4.21E-03
569.99189	22.04	13.04	17.60	17.62	16.93	1.25E-35	5.11E-15	5.11E-15	2.62E-14	1.00E+00	2.40E-01	2.11E-01
570.2804	152.16	21.80	20.94	21.23	21.06	2.16E-14	1.79E-13	7.34E-07	2.76E-10	3.62E-02	7.40E-01	3.70E-01
570.34197	202.98	16.57	15.73	15.90	14.56	6.04E-16	3.82E-04	7.06E-03	4.34E-14	8.43E-01	1.53E-06	1.97E-08
570.36876	223.69	18.65	20.51	19.67	21.13	4.98E-12	1.38E-07	8.10E-03	7.87E-12	5.37E-02	2.64E-01	1.27E-04
570.74884	65.85	15.68	14.81	16.16	15.83	5.67E-18	3.66E-09	2.19E-03	7.23E-01	4.39E-14	7.40E-11	8.26E-02
570.77064	54.12	21.90	22.46	23.00	22.81	2.25E-45	4.31E-14	5.11E-15	5.11E-15	6.69E-14	1.50E-06	2.21E-02

570.8091	52.37	17.18	17.09	17.48	17.59	4.35E-05	8.84E-01	3.39E-02	2.51E-03	4.85E-03	2.64E-04	8.01E-01
570.83046	47.92	18.07	20.03	20.21	20.06	4.45E-44	5.11E-15	5.11E-15	5.11E-15	5.57E-01	9.99E-01	6.78E-01
570.91549	69.19	10.17	12.78	9.02	9.55	5.01E-51	5.11E-15	2.26E-08	8.39E-03	5.11E-15	5.11E-15	4.00E-02
570.93267	62.28	8.10	17.58	9.24	8.71	2.71E-52	5.11E-15	9.82E-02	6.28E-01	5.11E-15	5.11E-15	7.41E-01
571.11284	72.23	8.80	9.52	11.22	12.03	1.41E-13	3.08E-01	7.18E-08	4.00E-12	4.09E-04	1.46E-07	2.38E-01
571.21584	63.59	13.91	14.77	12.10	12.74	5.95E-69	1.58E-13	5.11E-15	2.91E-14	5.11E-15	5.11E-15	1.24E-07
571.2891	163.59	21.82	21.48	21.71	21.27	4.81E-06	8.14E-03	7.23E-01	5.64E-06	1.45E-01	2.48E-01	5.85E-04
571.34941	193.76	14.18	13.22	13.99	13.40	2.11E-02	3.22E-02	9.45E-01	1.30E-01	1.38E-01	9.63E-01	3.70E-01
571.37113	208.62	16.48	18.08	16.53	18.50	2.21E-13	5.93E-07	9.99E-01	6.38E-10	2.17E-06	5.16E-01	3.10E-09
571.77366	55.5	18.04	18.48	19.19	18.95	2.12E-41	1.57E-08	5.11E-15	5.33E-15	4.20E-14	6.04E-09	7.51E-03
571.8346	47.13	13.04	15.17	15.57	15.43	1.74E-23	4.64E-14	4.06E-14	4.36E-14	3.82E-01	7.41E-01	9.50E-01
571.92933	48.88	11.83	14.46	14.03	13.45	1.04E-09	1.88E-09	4.68E-07	6.28E-04	7.11E-01	7.67E-02	5.02E-01
572.0369	17.13	11.89	15.81	15.11	13.02	1.51E-22	3.99E-14	5.13E-14	2.08E-02	2.65E-01	1.62E-10	1.67E-06
572.29651	160.02	21.71	20.82	21.00	20.64	4.10E-20	6.86E-14	4.71E-10	4.24E-14	3.54E-01	3.32E-01	5.96E-03
572.32108	178.08	11.55	14.57	15.00	12.44	2.82E-35	9.33E-15	5.11E-15	4.08E-03	3.72E-01	9.09E-13	4.46E-14
572.70774	67.99	16.73	16.87	18.13	17.61	1.63E-21	7.33E-01	4.32E-14	2.34E-08	4.57E-14	7.16E-06	2.55E-03
572.72868	65.74	14.82	13.13	15.91	15.29	4.53E-35	4.24E-14	2.66E-08	5.74E-02	5.11E-15	1.80E-14	6.14E-03
572.74674	66.22	15.04	12.74	14.59	14.33	1.23E-43	5.11E-15	3.75E-03	1.71E-06	5.11E-15	1.35E-14	2.19E-01
572.76872	53.76	20.47	20.89	21.50	21.28	1.28E-45	3.18E-11	5.11E-15	5.11E-15	4.25E-14	6.92E-09	2.54E-03
572.7861	53.93	17.61	18.49	19.04	18.78	5.50E-47	2.26E-14	5.11E-15	5.11E-15	2.42E-10	3.05E-03	7.40E-03
572.82497	46.86	16.32	15.66	16.27	16.44	5.45E-05	6.47E-04	9.89E-01	8.95E-01	2.69E-03	9.36E-05	7.54E-01
572.88227	39.47	14.39	13.34	14.00	14.39	2.40E-02	2.84E-02	7.11E-01	1.00E+00	3.21E-01	4.33E-02	7.50E-01
572.92911	67.79	11.87	12.81	10.09	10.62	4.90E-73	4.12E-14	5.11E-15	7.55E-15	5.11E-15	5.11E-15	5.78E-06
573.17213	63.72	18.63	21.97	18.17	18.22	2.88E-134	5.11E-15	6.94E-09	7.07E-07	5.11E-15	5.11E-15	9.15E-01
573.19605	64.5	14.12	17.57	12.32	12.91	4.12E-130	5.11E-15	5.11E-15	6.88E-15	5.11E-15	5.11E-15	9.11E-08
573.24312	163.13	15.71	14.44	14.72	14.82	2.66E-10	3.44E-10	8.60E-07	2.24E-05	4.54E-01	2.23E-01	9.60E-01
573.29997	167.99	19.76	18.80	18.97	18.64	2.12E-20	4.75E-14	4.79E-11	4.31E-14	4.24E-01	5.42E-01	2.57E-02
573.3316	175.02	12.27	12.77	13.04	13.84	1.11E-02	6.89E-01	3.17E-01	4.92E-03	9.36E-01	1.18E-01	3.38E-01
573.74595	60.47	12.91	10.77	13.05	12.70	2.29E-19	4.37E-14	9.30E-01	8.23E-01	4.35E-14	4.06E-12	4.86E-01
573.77171	55.97	16.14	16.14	17.14	16.87	1.15E-30	1.00E+00	1.09E-14	1.13E-13	1.73E-14	2.71E-13	1.90E-02
573.78616	45.62	13.23	13.38	13.30	13.44	6.69E-01	8.32E-01	9.80E-01	6.46E-01	9.68E-01	9.87E-01	8.62E-01
573.86622	45.29	13.07	13.59	12.86	13.42	1.16E-01	3.70E-01	9.06E-01	7.23E-01	1.15E-01	9.55E-01	3.44E-01
573.94758	44.66	12.58	12.96	13.17	12.92	1.39E-02	1.54E-01	6.54E-03	2.60E-01	6.77E-01	9.96E-01	5.58E-01
574.02927	22.67	9.52	11.96	12.21	11.36	1.20E-23	4.33E-14	3.11E-14	5.79E-11	7.69E-01	1.05E-01	7.40E-03
574.17758	55.65	18.25	21.38	17.78	17.83	7.40E-135	5.11E-15	2.29E-10	4.42E-08	5.11E-15	5.11E-15	9.00E-01
574.19741	65.67	14.11	15.39	12.40	12.98	8.66E-92	5.11E-15	5.11E-15	5.11E-15	5.11E-15	5.11E-15	3.36E-09
574.30984	174.57	17.79	16.18	16.56	16.10	3.15E-26	3.24E-14	8.57E-14	2.49E-14	6.41E-02	9.47E-01	1.66E-02
574.70596	69.46	15.16	15.16	16.58	16.12	2.15E-14	1.00E+00	1.20E-11	1.33E-05	5.13E-11	2.69E-05	1.02E-01
574.72342	63.11	17.66	17.76	18.98	18.56	3.00E-21	8.82E-01	4.44E-14	5.06E-09	4.60E-14	5.09E-07	1.85E-02
574.76615	56.77	17.00	17.25	18.16	17.84	1.84E-33	1.88E-02	5.11E-15	4.27E-14	3.95E-14	1.69E-09	2.66E-03
574.78228	52.02	17.78	17.91	18.55	18.47	8.02E-19	4.75E-01	5.08E-14	7.73E-12	2.04E-10	5.94E-08	8.54E-01
574.79857	39.64	16.84	17.86	18.10	18.13	3.60E-22	6.81E-13	4.33E-14	4.26E-14	2.78E-01	2.14E-01	9.97E-01
574.81783	41.66	14.15	12.38	13.65	13.21	2.41E-07	7.13E-08	3.36E-01	1.38E-02	2.50E-04	4.21E-02	5.03E-01
574.84039	47.43	15.45	14.15	13.65	14.36	1.68E-06	6.37E-04	6.16E-07	8.03E-03	4.48E-01	9.32E-01	1.71E-01
574.86193	40.59	18.18	20.79	20.43	20.48	2.09E-25	2.53E-14	4.30E-14	4.50E-14	4.37E-01	5.93E-01	9.97E-01

574.9904	63.23	12.52	14.06	10.57	11.21	1.38E-96	5.11E-15	5.11E-15	5.11E-15	5.11E-15	5.11E-15	5.11E-15	2.50E-09
575.17247	55.68	12.45	20.44	10.40	11.05	5.77E-129	5.11E-15	3.60E-14	1.39E-10	5.11E-15	5.11E-15	5.11E-15	9.17E-03
575.2609	151.73	18.58	18.07	18.58	18.51	3.37E-06	1.45E-05	1.00E+00	9.03E-01	2.63E-05	6.76E-04	9.20E-01	9.20E-01
575.30938	166.25	13.46	10.25	9.80	10.02	3.08E-24	4.37E-14	3.82E-14	4.36E-14	5.73E-01	9.21E-01	9.28E-01	9.28E-01
575.31962	174.96	13.65	10.73	11.00	10.91	1.05E-13	1.88E-11	7.71E-10	7.67E-10	9.04E-01	9.73E-01	9.96E-01	9.96E-01
575.44711	257.5	14.94	14.87	15.68	16.03	5.27E-04	9.96E-01	7.46E-02	3.77E-03	5.24E-02	2.56E-03	7.02E-01	7.02E-01
575.79009	49.94	12.45	13.04	13.37	13.21	3.17E-02	2.78E-01	2.58E-02	1.07E-01	7.55E-01	9.56E-01	9.70E-01	9.70E-01
575.86531	41.28	13.26	16.45	16.04	16.22	9.75E-20	4.22E-14	1.77E-13	7.79E-14	6.43E-01	9.14E-01	9.62E-01	9.62E-01
576.0763	18.05	13.10	16.53	15.44	14.42	4.63E-13	2.57E-13	4.31E-07	1.39E-02	5.72E-02	2.39E-05	1.03E-01	1.03E-01
576.17646	63.87	13.43	16.02	11.44	12.14	5.77E-113	5.11E-15	5.11E-15	5.77E-15	5.11E-15	5.11E-15	5.11E-15	2.29E-09
576.26481	162.27	16.69	15.89	16.45	16.41	1.41E-09	2.65E-10	1.70E-01	9.04E-02	1.73E-05	1.55E-04	9.85E-01	9.85E-01
576.28731	189.08	13.90	11.87	11.61	12.54	3.75E-11	1.93E-08	1.51E-10	4.36E-04	8.63E-01	2.21E-01	3.70E-02	3.70E-02
576.33123	196.88	18.75	18.21	18.45	17.96	3.05E-05	4.73E-03	2.19E-01	1.58E-05	4.76E-01	4.48E-01	2.12E-02	2.12E-02
576.71895	63.37	17.17	16.06	17.80	17.52	7.54E-29	8.06E-14	1.21E-05	4.72E-02	5.11E-15	3.91E-14	1.69E-01	1.69E-01
576.77827	54.22	15.80	15.33	16.02	16.22	7.25E-07	1.24E-02	4.50E-01	3.90E-02	7.75E-05	5.41E-07	6.10E-01	6.10E-01
576.79961	38.62	18.28	18.94	18.02	18.60	1.93E-09	1.48E-05	2.03E-01	1.13E-01	1.36E-09	8.14E-02	3.73E-04	3.73E-04
576.82644	52.06	15.86	15.10	16.28	16.40	1.90E-15	3.77E-06	2.33E-02	2.99E-03	1.40E-12	1.17E-13	8.85E-01	8.85E-01
576.85772	42.37	16.00	17.66	17.14	17.44	2.52E-14	2.24E-13	2.87E-07	3.46E-10	6.52E-02	7.43E-01	4.99E-01	4.99E-01
576.93808	58.05	11.82	10.71	13.94	13.54	3.19E-17	1.31E-02	6.63E-08	3.36E-05	4.49E-14	1.45E-11	7.13E-01	7.13E-01
577.06246	19.33	13.51	17.50	17.64	16.88	7.55E-32	6.22E-15	5.33E-15	4.31E-14	9.76E-01	2.86E-01	1.27E-01	1.27E-01
577.25541	164.15	16.64	16.09	16.72	16.70	3.63E-04	4.23E-03	9.60E-01	9.79E-01	9.67E-04	2.04E-03	1.00E+00	1.00E+00
577.27665	172.91	18.51	17.64	18.01	18.02	2.38E-12	2.43E-13	2.23E-05	8.80E-05	5.16E-03	4.54E-03	9.99E-01	9.99E-01
577.34526	261.66	16.00	16.38	16.20	16.39	5.48E-01	5.99E-01	9.11E-01	5.94E-01	9.39E-01	1.00E+00	9.32E-01	9.32E-01
577.37511	200.83	13.54	15.51	14.59	12.39	4.15E-05	1.06E-02	3.35E-01	2.85E-01	4.80E-01	2.73E-05	5.39E-03	5.39E-03
577.80576	42.66	13.84	13.61	13.02	13.71	1.39E-03	7.05E-01	9.91E-04	9.40E-01	4.20E-02	9.67E-01	1.33E-02	1.33E-02
577.89625	38.74	12.63	10.92	11.93	12.07	4.37E-03	1.62E-03	4.21E-01	6.42E-01	1.48E-01	9.01E-02	9.91E-01	9.91E-01
578.08919	24.66	13.69	12.72	11.78	12.00	1.09E-04	1.31E-01	1.34E-04	1.52E-03	1.69E-01	4.20E-01	9.67E-01	9.67E-01
578.28164	171.11	16.65	16.06	16.49	15.88	8.25E-05	5.50E-03	7.99E-01	2.37E-04	8.33E-02	7.98E-01	7.38E-03	7.38E-03
578.30324	200.64	19.05	19.36	19.34	19.31	4.49E-02	6.30E-02	9.21E-02	1.64E-01	9.98E-01	9.86E-01	9.98E-01	9.98E-01
578.32752	144.28	14.29	13.78	14.26	13.99	4.64E-01	4.85E-01	1.00E+00	8.55E-01	5.59E-01	9.40E-01	8.98E-01	8.98E-01
578.34692	225.43	23.82	24.51	24.27	24.05	2.22E-05	1.01E-05	8.33E-03	3.85E-01	3.22E-01	1.11E-02	4.54E-01	4.54E-01
578.51604	238.43	12.33	15.69	15.88	16.04	1.31E-13	1.55E-09	1.27E-10	8.30E-11	9.84E-01	9.13E-01	9.90E-01	9.90E-01
578.71384	61.74	15.76	12.31	16.01	16.14	2.90E-37	5.11E-15	7.73E-01	5.08E-01	5.11E-15	5.11E-15	9.69E-01	9.69E-01
578.73632	65.64	16.47	16.08	16.51	16.18	5.10E-03	2.68E-02	9.92E-01	1.77E-01	1.42E-02	9.01E-01	1.09E-01	1.09E-01
578.75735	57.06	12.57	8.65	13.56	12.44	7.36E-13	6.83E-09	3.67E-01	9.97E-01	1.41E-12	1.21E-07	3.01E-01	3.01E-01
578.77727	60.53	15.08	12.71	14.85	14.93	1.97E-24	3.11E-14	7.27E-01	9.12E-01	4.31E-14	4.26E-14	9.87E-01	9.87E-01
578.79799	47.98	15.55	13.86	13.99	14.18	1.58E-15	1.89E-13	5.41E-12	4.71E-09	9.19E-01	4.44E-01	8.14E-01	8.14E-01
578.81486	43.36	19.45	21.06	20.76	20.68	8.72E-34	5.11E-15	1.44E-14	4.00E-14	5.36E-02	1.10E-02	9.16E-01	9.16E-01
578.87295	41.21	14.44	17.03	16.89	17.04	1.40E-25	4.06E-14	4.25E-14	4.22E-14	9.46E-01	1.00E+00	9.35E-01	9.35E-01
579.0113	210.39	13.93	14.89	14.98	13.60	1.01E-09	2.25E-04	3.42E-05	4.93E-01	9.79E-01	1.28E-06	1.47E-07	1.47E-07
579.08629	25.96	13.80	14.80	14.79	12.18	7.77E-07	1.71E-01	1.70E-01	7.37E-03	1.00E+00	4.23E-06	3.71E-06	3.71E-06
579.18205	65.06	14.08	15.31	12.34	12.94	4.35E-69	3.35E-14	5.11E-15	4.44E-14	5.11E-15	5.11E-15	8.19E-06	8.19E-06
579.29829	191.58	17.90	17.73	17.83	17.63	1.93E-01	5.61E-01	9.49E-01	1.64E-01	8.76E-01	8.62E-01	4.25E-01	4.25E-01
579.35058	228.41	22.07	22.79	22.53	22.32	1.03E-05	4.03E-06	6.96E-03	3.30E-01	2.54E-01	8.41E-03	4.82E-01	4.82E-01
579.44146	231.42	15.73	11.84	11.23	13.86	2.54E-33	1.04E-14	5.11E-15	6.05E-07	2.78E-01	1.53E-07	5.79E-12	5.79E-12

579.75584	58.05	12.47	10.26	12.68	12.57	2.67E-13	4.57E-10	9.13E-01	9.91E-01	2.41E-11	6.86E-10	9.87E-01
579.81793	45.66	14.32	16.69	16.14	16.00	1.51E-25	7.99E-15	4.47E-14	1.59E-13	3.74E-02	6.03E-03	8.96E-01
579.85506	38.29	16.13	16.72	16.97	16.20	3.11E-03	9.94E-02	6.07E-03	9.93E-01	7.80E-01	2.21E-01	2.36E-02
580.29273	195.63	18.22	17.69	17.67	17.76	1.07E-05	1.28E-04	4.63E-05	1.63E-03	9.97E-01	9.52E-01	8.89E-01
580.32566	186.88	18.61	18.57	18.59	18.36	6.91E-01	9.98E-01	9.99E-01	6.84E-01	1.00E+00	7.97E-01	7.60E-01
580.35933	242.83	23.84	20.45	20.09	21.14	1.18E-66	5.11E-15	5.11E-15	5.11E-15	1.31E-01	3.12E-04	1.05E-08
580.67399	75.7	12.92	14.91	14.94	13.56	9.08E-07	2.48E-05	1.48E-05	4.52E-01	1.00E+00	1.42E-02	1.06E-02
580.69509	91.06	11.57	12.03	12.54	11.45	4.37E-02	6.77E-01	8.12E-02	9.91E-01	6.11E-01	5.31E-01	5.40E-02
580.73431	74.98	14.96	13.11	14.38	14.01	2.14E-19	3.93E-14	6.26E-03	2.20E-06	1.26E-10	1.53E-05	1.83E-01
580.75235	61.5	16.99	16.24	17.65	17.17	3.54E-19	2.34E-07	5.53E-06	5.52E-01	3.93E-14	1.15E-09	3.27E-03
580.81063	34.41	17.21	18.54	18.68	18.27	4.27E-20	4.64E-14	4.27E-14	4.21E-10	8.09E-01	3.43E-01	5.49E-02
580.86871	40.3	13.14	11.94	11.82	13.31	2.33E-02	1.80E-01	1.12E-01	9.92E-01	9.97E-01	1.26E-01	7.72E-02
580.8903	46.59	16.83	17.41	17.50	17.54	3.34E-03	3.82E-02	9.95E-03	7.68E-03	9.75E-01	9.34E-01	9.98E-01
580.91103	35.68	12.84	12.96	13.44	13.31	4.39E-02	9.63E-01	5.64E-02	2.19E-01	1.93E-01	4.89E-01	9.55E-01
580.9726	26.95	15.82	11.67	11.44	11.95	2.39E-18	1.04E-13	4.35E-14	6.08E-12	9.68E-01	9.56E-01	7.69E-01
580.99334	63.34	9.49	14.29	8.70	9.05	4.56E-133	5.11E-15	4.30E-12	3.25E-04	5.11E-15	5.11E-15	8.70E-03
581.00074	34.48	10.35	13.26	12.38	10.68	2.68E-26	1.89E-14	5.15E-13	5.83E-01	5.43E-03	4.15E-14	8.81E-09
581.24765	163.72	12.50	13.13	13.99	13.38	1.97E-05	1.48E-01	4.30E-06	2.15E-02	2.31E-02	8.54E-01	1.94E-01
581.29027	184.75	13.53	12.63	13.23	12.88	3.77E-02	2.98E-02	7.87E-01	2.08E-01	2.67E-01	8.83E-01	7.30E-01
581.32921	183.39	15.12	13.91	13.62	13.81	5.93E-04	1.22E-02	8.55E-04	6.83E-03	8.87E-01	9.94E-01	9.70E-01
581.36139	223.06	21.92	16.78	16.79	17.51	4.01E-65	5.11E-15	5.11E-15	5.11E-15	1.00E+00	1.94E-02	2.09E-02
581.45653	239.24	19.84	18.23	18.73	19.21	6.41E-26	6.00E-15	5.40E-14	2.22E-05	1.44E-03	1.46E-10	3.46E-03
581.77185	46.91	13.42	13.55	13.16	13.50	7.01E-02	8.10E-01	3.33E-01	9.58E-01	6.12E-02	9.85E-01	1.60E-01
581.80163	53.12	13.12	13.27	13.61	13.54	1.07E-02	8.08E-01	1.47E-02	6.12E-02	1.70E-01	3.84E-01	9.78E-01
581.85356	38.7	12.87	12.81	11.98	11.71	1.86E-02	9.99E-01	1.54E-01	4.48E-02	2.34E-01	7.79E-02	9.36E-01
581.88858	42.17	10.44	11.43	12.78	12.66	2.42E-07	1.13E-01	1.39E-06	1.16E-05	1.69E-02	4.57E-02	9.94E-01
582.22448	134.28	15.77	16.03	16.82	16.30	3.93E-05	6.33E-01	1.61E-05	9.01E-02	3.04E-03	6.55E-01	1.12E-01
582.25865	174.25	11.16	9.79	10.92	11.44	2.70E-03	1.14E-02	9.46E-01	9.26E-01	6.13E-02	2.66E-03	6.71E-01
582.28152	192.56	15.27	13.11	13.29	13.27	6.05E-09	1.46E-07	1.21E-06	2.38E-06	9.67E-01	9.78E-01	1.00E+00
582.34145	201.65	18.43	18.44	18.50	18.38	9.72E-01	1.00E+00	9.91E-01	9.97E-01	9.95E-01	9.95E-01	9.63E-01
582.3777	238.03	21.20	24.29	23.48	23.71	3.25E-26	7.99E-15	4.49E-14	4.31E-14	1.42E-02	1.54E-01	8.37E-01
582.45947	239.3	17.90	15.16	15.89	16.98	2.23E-20	4.15E-14	5.81E-12	5.25E-03	3.65E-02	3.58E-09	7.55E-04
582.6727	83.1	9.48	11.45	11.45	11.01	3.56E-05	1.78E-04	1.50E-04	7.70E-03	1.00E+00	8.08E-01	8.03E-01
582.69034	71.77	13.41	12.77	13.47	12.74	1.52E-03	3.16E-02	9.95E-01	2.92E-02	1.90E-02	1.00E+00	1.76E-02
582.74938	69.46	14.99	11.62	15.00	13.71	9.16E-26	2.09E-14	1.00E+00	2.69E-04	2.62E-14	1.72E-09	3.44E-04
582.78117	51.44	13.41	15.45	15.13	15.17	1.47E-17	4.46E-14	5.50E-12	9.35E-12	5.29E-01	6.65E-01	9.98E-01
582.80459	38.06	14.00	14.79	16.04	14.14	1.36E-07	1.34E-01	2.45E-07	9.82E-01	4.54E-03	3.30E-01	6.46E-06
582.82741	46.88	17.01	17.03	16.15	16.81	1.03E-07	1.00E+00	7.57E-07	6.20E-01	1.02E-06	5.81E-01	5.30E-04
582.84893	41.12	19.26	20.58	20.75	20.70	1.62E-33	1.62E-14	5.11E-15	6.66E-15	4.61E-01	7.45E-01	9.76E-01
582.95286	61.93	9.10	18.26	8.59	8.75	1.26E-110	5.11E-15	1.60E-01	5.01E-01	5.11E-15	5.11E-15	9.31E-01
582.97315	58.85	12.83	17.73	9.50	10.16	3.98E-86	5.11E-15	5.11E-15	4.36E-14	5.11E-15	5.11E-15	7.25E-02
583.22768	132.11	12.71	10.95	13.08	12.08	7.78E-09	1.51E-06	6.72E-01	2.55E-01	9.00E-09	7.26E-03	2.25E-02
583.25714	43.39	15.65	16.00	16.42	15.83	6.94E-02	6.47E-01	4.62E-02	9.35E-01	5.03E-01	9.50E-01	2.30E-01
583.34415	202.35	16.08	15.80	16.11	15.81	4.83E-01	6.87E-01	9.99E-01	7.38E-01	6.18E-01	1.00E+00	6.72E-01
583.38186	248.86	18.89	22.82	21.80	22.13	7.78E-31	5.11E-15	4.33E-14	3.84E-14	4.94E-03	1.20E-01	7.25E-01

583.4736	238.7	19.41	19.88	20.05	19.73	2.47E-04	9.71E-03	1.15E-04	1.64E-01	6.65E-01	7.64E-01	1.58E-01
583.8188	44.44	15.56	16.70	15.75	16.02	1.11E-05	7.05E-06	8.40E-01	1.99E-01	3.50E-04	2.74E-02	6.55E-01
583.85166	47.08	14.51	16.57	16.76	16.66	1.81E-24	4.50E-14	3.90E-14	4.26E-14	8.28E-01	9.78E-01	9.73E-01
583.90042	62.82	15.35	11.62	16.25	16.35	2.59E-59	5.11E-15	3.27E-04	9.72E-05	5.11E-15	5.11E-15	9.73E-01
583.96013	63.2	11.00	15.55	10.74	11.71	2.93E-57	5.11E-15	6.78E-01	1.68E-02	5.11E-15	5.11E-15	5.34E-04
584.23999	184.44	16.78	17.33	17.68	16.77	3.83E-09	2.91E-03	9.53E-08	1.00E+00	1.14E-01	4.45E-03	3.45E-07
584.26079	44.15	13.52	12.54	12.89	13.08	2.06E-01	1.49E-01	5.18E-01	7.95E-01	8.77E-01	6.77E-01	9.78E-01
584.35787	226.38	20.83	16.56	14.96	17.12	2.48E-46	5.11E-15	5.11E-15	1.80E-14	8.76E-06	3.44E-01	3.03E-09
584.38452	233.51	16.76	19.61	18.32	19.18	3.56E-14	1.74E-13	5.92E-05	6.21E-10	1.95E-03	6.54E-01	8.42E-02
584.47715	239.16	17.59	18.36	18.55	18.34	2.94E-08	1.88E-05	4.89E-08	5.99E-05	6.68E-01	9.99E-01	5.97E-01
584.76317	66.99	15.09	11.63	15.30	14.94	1.23E-22	4.43E-14	9.35E-01	9.76E-01	4.12E-14	4.36E-14	7.69E-01
584.7861	53.55	19.31	18.80	19.61	19.26	1.21E-13	7.68E-07	5.15E-03	9.56E-01	5.12E-14	3.03E-05	1.65E-03
584.80683	44.14	20.21	22.00	22.30	22.06	1.27E-42	5.11E-15	5.11E-15	5.11E-15	1.08E-01	9.70E-01	2.92E-01
584.82538	46.07	15.31	14.90	14.46	15.20	9.57E-03	4.33E-01	7.85E-03	9.79E-01	3.53E-01	7.21E-01	4.07E-02
584.84572	44.95	16.92	18.45	18.46	18.60	4.05E-34	7.33E-15	6.22E-15	5.11E-15	1.00E+00	6.74E-01	7.07E-01
584.95082	54.58	12.74	16.26	10.74	11.41	1.45E-144	5.11E-15	5.11E-15	5.11E-15	5.11E-15	5.11E-15	1.50E-11
584.97164	47.9	9.46	12.46	11.54	10.25	1.06E-06	1.18E-06	1.25E-03	5.17E-01	3.71E-01	1.26E-03	1.24E-01
585.07784	22.91	12.56	15.68	14.31	13.70	4.65E-11	6.20E-12	1.64E-04	3.78E-02	6.96E-03	5.15E-05	4.95E-01
585.24369	195.26	13.60	13.61	14.95	13.25	1.69E-05	1.00E+00	6.18E-04	7.51E-01	1.06E-03	7.51E-01	2.55E-05
585.30503	172.27	15.60	14.64	16.29	14.93	2.38E-12	8.31E-05	6.88E-03	1.42E-02	8.11E-12	5.92E-01	3.28E-08
585.33176	200.28	14.33	11.50	13.67	11.74	3.54E-16	4.64E-13	2.43E-01	8.48E-11	4.22E-08	9.16E-01	2.42E-06
585.34365	199.93	14.96	20.48	14.04	17.21	5.69E-22	4.42E-14	4.05E-01	1.65E-03	3.70E-14	2.85E-06	4.62E-06
585.36142	205.29	18.43	16.24	16.56	16.53	1.10E-18	4.31E-14	6.44E-13	1.95E-12	5.53E-01	6.35E-01	1.00E+00
585.38686	215.3	10.94	12.77	14.43	13.33	1.87E-07	1.07E-02	4.34E-08	5.51E-04	3.00E-02	8.04E-01	2.75E-01
585.4878	259.1	19.50	18.61	18.99	19.65	1.35E-13	4.96E-10	7.10E-04	6.76E-01	2.14E-02	6.35E-12	1.72E-05
585.51098	255.85	18.42	18.76	18.85	18.60	1.82E-01	3.61E-01	1.59E-01	8.27E-01	9.74E-01	8.91E-01	6.66E-01
585.79265	44.5	14.40	13.60	13.51	14.00	2.16E-11	1.57E-08	2.01E-10	1.48E-02	8.99E-01	1.85E-02	1.85E-03
585.81023	50.92	16.07	18.18	18.59	18.32	1.13E-43	5.11E-15	5.11E-15	5.11E-15	5.20E-02	8.36E-01	3.45E-01
585.82317	40.23	13.76	13.51	13.39	13.96	2.33E-02	5.68E-01	2.09E-01	7.21E-01	9.23E-01	1.14E-01	2.26E-02
585.88825	42.86	15.55	16.64	16.60	16.03	1.76E-11	9.71E-10	2.35E-09	2.14E-02	9.97E-01	2.71E-03	4.98E-03
585.9685	48.74	12.50	14.98	15.55	13.56	3.89E-20	4.25E-13	4.15E-14	5.71E-03	2.85E-01	1.13E-04	2.25E-08
585.99651	18.06	11.03	12.68	11.96	12.32	1.09E-05	6.37E-06	2.41E-02	9.89E-04	1.42E-01	7.26E-01	7.24E-01
586.06449	22.12	15.35	13.72	14.08	14.13	9.92E-04	8.33E-04	1.45E-02	2.74E-02	8.31E-01	7.88E-01	1.00E+00
586.31573	194.04	20.96	21.14	21.10	20.75	1.04E-02	3.90E-01	6.28E-01	3.36E-01	9.80E-01	1.04E-02	2.94E-02
586.49186	258.5	16.81	15.38	16.71	17.47	5.84E-12	3.80E-07	9.80E-01	5.92E-02	4.11E-06	1.91E-12	2.52E-02
586.51427	255.47	15.69	16.98	16.80	16.37	1.18E-04	1.46E-04	1.28E-03	1.21E-01	9.38E-01	2.22E-01	5.18E-01
586.72294	74.51	13.47	10.87	12.68	12.30	1.72E-15	4.12E-14	2.67E-02	4.44E-04	1.18E-08	1.85E-05	5.75E-01
586.74421	56.98	21.28	21.62	22.44	22.16	4.53E-33	3.64E-04	5.11E-15	4.15E-14	4.25E-14	3.98E-08	1.01E-02
586.76395	60.06	15.39	13.51	15.76	15.43	6.60E-20	8.30E-14	3.40E-01	9.98E-01	4.23E-14	2.50E-13	4.95E-01
586.78341	48.97	17.53	16.30	17.71	17.65	4.19E-38	5.11E-15	2.13E-01	6.22E-01	5.11E-15	5.11E-15	9.14E-01
586.80553	49.01	18.38	20.07	20.44	20.22	2.62E-42	5.11E-15	5.11E-15	5.11E-15	2.96E-02	6.70E-01	3.96E-01
586.91492	36.49	13.63	15.01	14.93	15.01	8.08E-06	9.27E-05	2.29E-04	1.50E-04	9.94E-01	1.00E+00	9.95E-01
587.08285	19.48	12.29	16.91	16.32	15.24	1.84E-55	5.11E-15	5.11E-15	5.33E-15	5.68E-02	1.76E-10	4.40E-05
587.19195	64.32	12.39	13.96	10.40	11.05	1.40E-89	5.11E-15	5.11E-15	5.77E-15	5.11E-15	5.11E-15	8.82E-08
587.31917	190.49	19.25	19.36	19.35	18.97	1.12E-02	8.06E-01	8.60E-01	1.16E-01	9.99E-01	1.45E-02	1.88E-02

587.37453	261.09	13.57	13.40	13.75	13.03	3.84E-01	9.74E-01	9.71E-01	5.62E-01	8.33E-01	8.22E-01	3.27E-01
587.50487	261.88	18.87	18.30	18.47	18.50	2.86E-03	1.51E-03	4.38E-02	9.14E-02	7.09E-01	6.07E-01	9.97E-01
587.74757	56.47	17.35	17.36	18.63	18.30	3.04E-30	1.00E+00	1.29E-14	1.07E-13	2.18E-14	3.73E-13	2.61E-02
587.80893	49.99	13.57	15.57	15.93	15.68	6.76E-25	4.37E-14	2.71E-14	4.13E-14	3.59E-01	9.70E-01	6.61E-01
587.90676	55.22	12.19	14.39	15.95	15.07	2.07E-20	2.69E-08	3.69E-14	1.50E-12	1.89E-04	2.77E-01	9.52E-02
588.0764	17.08	17.80	19.30	19.35	19.13	2.90E-38	5.11E-15	5.11E-15	7.77E-15	9.77E-01	4.58E-01	2.41E-01
588.31846	200.26	15.12	13.95	13.43	14.22	9.62E-05	8.66E-03	3.33E-05	7.87E-02	5.09E-01	9.02E-01	1.74E-01
588.33138	209.59	24.78	25.39	25.34	25.11	7.52E-06	2.12E-05	7.84E-05	5.91E-02	9.87E-01	1.72E-01	3.04E-01
588.50874	260.96	16.77	15.62	16.31	16.08	1.39E-04	4.05E-05	2.56E-01	3.95E-02	3.47E-02	2.94E-01	8.15E-01
588.70247	75.95	13.54	12.54	14.82	13.86	7.44E-11	4.71E-03	1.18E-04	7.22E-01	7.14E-12	2.05E-04	1.16E-02
588.72152	70.25	14.41	12.35	13.21	12.99	1.25E-24	7.33E-15	1.04E-10	2.74E-13	8.92E-06	2.46E-03	6.12E-01
588.74246	57.03	20.03	20.29	21.14	20.88	6.00E-30	2.04E-02	5.33E-15	4.40E-14	4.37E-14	6.18E-09	3.36E-02
588.76057	54.7	16.56	16.76	17.74	17.39	1.74E-33	1.02E-01	5.11E-15	4.46E-14	2.73E-14	5.35E-10	9.05E-04
588.77955	46.47	13.75	10.43	12.28	12.69	6.73E-28	5.11E-15	5.40E-08	2.60E-04	4.43E-11	5.48E-14	3.94E-01
588.80056	50.83	15.70	15.38	16.17	16.07	1.68E-05	2.08E-01	2.44E-02	1.40E-01	2.89E-05	6.09E-04	9.35E-01
588.87765	41.61	15.93	17.70	17.27	17.58	1.65E-12	3.61E-11	5.07E-07	1.64E-09	3.01E-01	9.68E-01	6.00E-01
588.89837	40.83	13.91	16.25	15.95	15.75	2.27E-08	9.74E-08	3.20E-06	6.41E-05	8.83E-01	6.40E-01	9.65E-01
588.98872	16.9	10.40	16.45	15.26	12.69	2.18E-39	5.11E-15	5.33E-15	1.38E-07	1.46E-02	4.29E-14	7.38E-09
589.01948	20.21	11.87	16.72	16.79	16.01	5.88E-58	5.11E-15	5.11E-15	5.11E-15	9.92E-01	3.95E-02	1.71E-02
589.08427	18.22	15.72	17.30	17.10	17.04	4.27E-25	2.49E-14	4.45E-14	4.27E-14	4.84E-01	2.95E-01	9.81E-01
589.1698	56.75	11.65	20.91	9.77	10.33	9.69E-144	5.11E-15	4.15E-14	2.38E-10	5.11E-15	5.11E-15	2.09E-02
589.21707	170.94	12.89	13.36	14.44	13.34	3.06E-05	4.44E-01	1.01E-05	5.02E-01	5.90E-03	1.00E+00	6.43E-03
589.3348	205.86	23.16	23.65	23.54	23.37	1.25E-03	9.96E-04	1.56E-02	4.05E-01	8.42E-01	1.55E-01	5.53E-01
589.5199	274.64	19.59	18.98	19.51	19.68	1.85E-02	4.35E-02	9.89E-01	9.79E-01	1.05E-01	2.19E-02	9.03E-01
589.74573	58.01	15.73	14.97	16.85	16.55	1.09E-31	5.34E-07	1.57E-13	1.24E-07	5.11E-15	3.04E-14	1.67E-01
589.75977	57.09	13.80	14.05	15.44	14.85	4.51E-14	6.00E-01	4.66E-13	9.19E-06	2.42E-09	2.01E-03	3.42E-02
589.84354	39.05	11.94	13.30	12.74	13.11	2.82E-03	2.60E-03	1.58E-01	1.68E-02	4.70E-01	9.65E-01	7.84E-01
589.90205	43.07	11.10	10.39	12.33	12.18	3.57E-07	2.09E-01	3.97E-03	2.20E-02	2.17E-06	3.21E-05	9.76E-01
589.92153	50.22	12.05	12.50	13.03	13.17	3.83E-07	1.35E-01	1.84E-05	1.96E-06	5.96E-02	1.30E-02	9.21E-01
590.02567	30.02	12.09	12.94	12.92	12.41	3.58E-02	6.14E-02	6.86E-02	7.98E-01	1.00E+00	4.46E-01	4.77E-01
590.17361	65.15	9.61	18.55	8.69	9.53	2.00E-120	5.11E-15	1.76E-04	9.84E-01	5.11E-15	5.11E-15	1.62E-03
590.25072	148.07	18.42	16.31	17.40	17.42	1.79E-34	5.11E-15	4.95E-12	4.07E-11	8.63E-13	2.45E-12	1.00E+00
590.34275	223.05	22.02	22.18	21.79	21.84	4.77E-02	6.96E-01	3.96E-01	6.43E-01	4.91E-02	1.33E-01	9.87E-01
590.52368	272.01	17.70	16.77	17.60	17.94	1.21E-03	8.70E-03	9.83E-01	8.56E-01	3.06E-02	1.06E-03	6.72E-01
590.70182	71.56	12.66	10.28	11.73	11.92	4.11E-20	3.26E-14	1.88E-04	6.74E-03	4.42E-09	1.51E-10	8.50E-01
590.74037	57.42	16.91	16.86	18.21	17.86	3.67E-21	9.82E-01	4.31E-14	6.97E-09	4.42E-14	2.56E-09	1.01E-01
590.75649	47.56	16.39	15.63	17.36	17.16	1.31E-26	1.44E-06	7.41E-10	2.55E-06	1.02E-14	4.25E-14	5.72E-01
590.7726	45.26	16.56	17.34	17.16	17.53	1.87E-06	1.38E-04	4.62E-03	2.09E-06	7.80E-01	7.41E-01	2.12E-01
590.83593	43.42	19.60	22.00	21.74	21.69	3.81E-34	5.11E-15	7.11E-15	1.64E-14	4.89E-01	3.59E-01	9.93E-01
591.16867	65.38	14.25	15.20	12.65	13.19	3.88E-85	9.10E-15	5.11E-15	5.11E-15	5.11E-15	5.11E-15	5.15E-09
591.23483	151.38	16.32	17.10	17.86	17.06	1.21E-24	1.52E-08	5.77E-15	1.57E-07	5.33E-08	9.93E-01	2.64E-08
591.25435	146.1	16.54	12.69	13.15	14.87	1.82E-54	5.11E-15	5.11E-15	8.90E-14	1.01E-01	3.71E-14	7.31E-14
591.29234	166.89	15.18	11.69	12.99	13.05	8.01E-30	5.11E-15	4.69E-14	1.46E-13	5.10E-06	4.45E-06	9.97E-01
591.34577	219.78	19.96	19.60	18.90	19.26	1.51E-06	2.59E-01	6.37E-07	3.42E-03	2.75E-03	3.58E-01	2.78E-01
591.76438	55.94	13.45	13.20	14.43	13.75	4.56E-04	8.24E-01	4.86E-03	7.65E-01	3.13E-04	2.94E-01	1.16E-01

591.80492	45.1	13.17	17.08	16.43	16.43	1.44E-36	5.11E-15	6.22E-15	9.55E-15	9.01E-02	1.09E-01	1.00E+00
591.84111	42.64	15.16	18.24	17.95	17.93	3.08E-30	6.22E-15	2.26E-14	3.51E-14	6.85E-01	6.53E-01	1.00E+00
591.97377	23.35	15.67	16.47	17.12	16.65	2.53E-06	1.54E-02	6.22E-07	2.33E-03	8.15E-02	9.20E-01	3.30E-01
592.2384	151.62	12.79	13.40	15.29	13.99	2.78E-15	1.37E-01	4.41E-14	2.89E-04	2.24E-09	2.00E-01	9.57E-05
592.26651	178.55	18.31	17.42	18.20	17.14	6.16E-08	2.57E-04	9.48E-01	1.64E-06	2.57E-03	6.22E-01	2.85E-05
592.29828	180.29	13.62	11.37	11.21	10.25	2.29E-13	4.78E-07	4.73E-08	2.87E-13	9.81E-01	4.80E-02	1.13E-01
592.32598	178.36	11.63	13.51	14.67	11.58	2.42E-14	4.10E-05	6.99E-12	9.99E-01	2.72E-02	7.00E-05	3.84E-11
592.3643	286.57	18.64	17.12	17.14	17.08	4.49E-08	3.11E-06	3.27E-06	2.88E-06	1.00E+00	9.99E-01	9.97E-01
592.68933	54.39	13.74	9.79	12.38	13.03	1.97E-35	5.11E-15	1.99E-06	4.29E-02	4.11E-14	9.99E-15	8.21E-02
592.73507	62.84	13.82	10.70	13.23	12.92	3.33E-28	5.11E-15	7.40E-02	2.09E-03	4.25E-14	4.95E-14	6.00E-01
592.75247	61.82	15.33	12.63	14.47	14.90	3.34E-31	5.11E-15	8.97E-05	1.43E-01	4.20E-14	2.84E-14	1.61E-01
592.77313	45.58	18.37	18.47	17.53	17.84	1.29E-07	9.44E-01	9.03E-06	1.59E-02	1.33E-06	3.76E-03	3.06E-01
592.80539	51.65	10.84	15.31	14.28	14.79	5.98E-15	1.72E-13	6.55E-09	1.36E-10	2.56E-01	8.02E-01	8.13E-01
592.83304	44.59	17.61	19.35	19.11	19.14	8.74E-28	1.02E-14	4.22E-14	4.20E-14	3.90E-01	5.28E-01	9.98E-01
592.86631	285.89	18.42	17.05	17.01	17.25	2.15E-07	4.96E-06	1.97E-06	1.94E-04	9.99E-01	9.02E-01	8.40E-01
593.09194	18.93	10.99	12.52	13.30	11.41	1.05E-04	2.58E-02	1.29E-04	8.76E-01	4.79E-01	2.09E-01	4.90E-03
593.22999	155.38	12.27	12.46	14.56	13.47	1.05E-13	9.19E-01	1.29E-12	5.56E-04	2.17E-10	7.08E-03	2.97E-03
593.25065	166.15	16.15	16.30	16.84	16.18	3.39E-06	7.22E-01	8.25E-06	9.98E-01	1.10E-03	8.48E-01	5.95E-05
593.27011	183.21	16.16	15.93	16.58	16.01	1.20E-03	5.16E-01	6.27E-02	8.08E-01	1.17E-03	9.73E-01	7.36E-03
593.30781	173.9	15.08	12.58	14.35	12.09	3.58E-17	3.11E-11	1.42E-01	6.47E-14	4.99E-06	5.40E-01	9.84E-09
593.37095	287.52	17.58	16.11	16.04	16.11	4.06E-09	7.03E-07	1.44E-07	1.58E-06	9.94E-01	1.00E+00	9.93E-01
593.77889	48.58	12.86	13.12	13.19	13.32	3.21E-01	7.16E-01	5.41E-01	2.71E-01	9.94E-01	8.72E-01	9.56E-01
593.81021	44.51	12.12	13.85	13.56	13.85	3.43E-16	2.54E-13	4.43E-10	7.87E-13	5.62E-01	1.00E+00	5.80E-01
593.83687	46.18	11.50	13.01	12.82	12.81	7.48E-06	2.58E-05	2.70E-04	5.35E-04	9.37E-01	9.34E-01	1.00E+00
593.87287	40.61	13.27	11.53	11.06	11.77	8.03E-04	1.18E-02	5.51E-04	4.86E-02	8.43E-01	9.77E-01	6.19E-01
594.25388	166.5	13.37	12.99	14.23	13.24	4.18E-05	4.77E-01	4.95E-03	9.65E-01	3.00E-05	8.03E-01	1.84E-03
594.28233	184.34	17.23	16.16	16.37	15.92	4.16E-12	1.64E-08	4.70E-06	1.53E-11	6.64E-01	5.40E-01	6.87E-02
594.30424	185.85	15.71	13.32	14.59	13.25	1.11E-19	4.27E-14	1.64E-04	4.46E-14	2.35E-05	9.94E-01	1.20E-05
594.34186	183.54	15.73	16.70	17.26	15.62	4.03E-05	5.36E-02	3.58E-04	9.93E-01	4.66E-01	3.76E-02	2.88E-04
594.37802	209.95	18.02	16.59	16.14	17.33	6.39E-19	1.82E-11	4.32E-14	3.79E-03	1.05E-01	1.82E-03	7.56E-08
594.68745	63	13.56	10.26	12.71	13.05	6.97E-29	5.11E-15	4.92E-03	2.07E-01	4.36E-14	3.94E-14	5.84E-01
594.71065	64.85	16.49	16.79	17.37	16.89	5.06E-11	5.33E-02	5.36E-12	6.80E-03	1.33E-05	8.76E-01	5.35E-04
594.77076	63.22	15.89	13.94	15.32	15.37	3.12E-19	4.09E-14	1.30E-02	4.07E-02	9.12E-11	6.76E-11	9.92E-01
594.78959	41.18	19.72	20.95	20.77	20.56	6.66E-25	1.60E-14	4.33E-14	4.42E-12	3.25E-01	4.03E-03	2.78E-01
594.82215	41.04	14.09	13.25	13.40	13.76	1.02E-01	9.89E-02	2.25E-01	8.07E-01	9.77E-01	5.52E-01	7.86E-01
594.84706	43.47	15.45	18.44	18.47	18.50	4.23E-34	5.77E-15	5.33E-15	6.00E-15	1.00E+00	9.95E-01	9.99E-01
594.96384	157.39	14.25	14.22	14.93	14.66	2.01E-05	9.96E-01	1.72E-04	7.13E-02	1.15E-04	4.91E-02	3.59E-01
595.15768	56.67	17.51	19.22	17.02	17.09	1.13E-91	5.11E-15	1.45E-11	3.12E-08	5.11E-15	5.11E-15	7.09E-01
595.26636	178.57	13.02	13.76	14.58	13.27	5.60E-07	4.46E-02	4.00E-07	8.21E-01	2.47E-02	3.53E-01	8.33E-05
595.28911	139.24	18.58	18.63	19.05	18.63	9.85E-02	9.95E-01	1.07E-01	9.95E-01	2.00E-01	1.00E+00	2.22E-01
595.32224	181.05	16.43	13.62	14.66	12.41	3.51E-12	4.38E-07	2.64E-03	1.85E-12	1.86E-01	1.07E-01	1.78E-04
595.34515	172.96	12.06	14.29	14.84	13.65	4.72E-09	3.73E-06	3.94E-09	2.42E-03	6.00E-01	5.08E-01	4.70E-02
595.38779	196.25	17.92	17.31	16.77	15.98	3.01E-14	3.11E-02	2.00E-06	5.40E-14	8.01E-02	2.05E-07	4.00E-03
595.53121	268.44	17.60	15.45	15.76	16.44	3.63E-10	1.05E-09	1.42E-07	2.94E-03	7.84E-01	1.97E-02	1.78E-01
595.79201	50.04	15.26	16.41	16.02	15.82	3.01E-12	5.78E-13	1.69E-06	1.35E-03	4.15E-02	6.95E-04	5.31E-01

595.82794	40.6	16.39	16.45	16.34	16.02	9.70E-02	9.89E-01	9.91E-01	1.57E-01	9.32E-01	9.16E-02	2.87E-01
596.09219	19.99	13.39	16.95	17.12	15.75	1.16E-40	5.11E-15	5.11E-15	4.26E-14	9.04E-01	2.87E-05	1.08E-06
596.15953	65.07	14.18	15.16	12.53	13.08	1.22E-70	4.29E-14	5.11E-15	3.71E-14	5.11E-15	5.11E-15	1.40E-06
596.26303	196.37	15.49	16.10	16.07	14.86	3.75E-09	1.12E-02	1.73E-02	1.11E-02	9.98E-01	5.29E-08	9.48E-08
596.29533	151.53	17.51	15.26	16.42	16.61	4.05E-17	4.33E-14	1.52E-05	9.08E-04	6.86E-06	3.17E-07	8.53E-01
596.32549	183.33	15.26	13.48	14.89	11.02	5.61E-17	7.71E-04	8.55E-01	4.23E-14	1.43E-02	3.96E-06	2.42E-13
596.35678	207	15.19	12.60	12.12	12.06	1.02E-11	3.56E-07	9.70E-10	1.73E-09	7.41E-01	6.85E-01	9.99E-01
596.39231	195.49	17.00	16.52	16.47	16.15	2.68E-03	1.27E-01	7.10E-02	1.10E-03	9.96E-01	3.77E-01	5.01E-01
596.66976	87.88	8.50	11.00	11.27	9.47	3.27E-07	2.41E-05	1.93E-06	2.82E-01	9.62E-01	3.33E-02	7.55E-03
596.70889	76.11	15.21	14.94	15.22	15.01	1.50E-01	2.57E-01	1.00E+00	5.16E-01	2.42E-01	9.77E-01	4.89E-01
596.72645	60.87	16.91	16.81	17.97	17.45	7.71E-24	7.63E-01	4.46E-14	8.02E-06	3.60E-14	1.69E-07	4.41E-05
596.78515	43.47	18.33	19.13	19.18	18.89	1.08E-21	4.17E-14	4.15E-14	6.47E-09	9.34E-01	2.92E-02	4.54E-03
596.84342	38.51	13.81	12.86	12.84	13.77	2.40E-04	6.20E-03	4.18E-03	9.99E-01	1.00E+00	1.56E-02	1.12E-02
596.86455	44.26	17.61	18.12	18.04	18.39	2.97E-04	1.94E-02	6.27E-02	1.11E-04	9.70E-01	4.55E-01	2.22E-01
596.88477	42.86	13.48	16.51	16.64	16.21	6.82E-30	1.51E-14	6.88E-15	4.13E-14	9.58E-01	7.01E-01	3.90E-01
596.96911	62.94	8.59	14.70	8.36	8.59	1.11E-108	5.11E-15	4.86E-01	1.00E+00	5.11E-15	5.11E-15	5.32E-01
597.00825	60.31	12.29	16.59	10.28	10.95	4.04E-105	5.11E-15	5.11E-15	1.00E-13	5.11E-15	5.11E-15	2.93E-04
597.021	199.89	12.47	11.74	11.65	12.49	1.02E-01	3.28E-01	2.20E-01	1.00E+00	9.97E-01	3.53E-01	2.46E-01
597.02743	25.74	17.78	19.63	19.10	18.58	2.60E-14	5.86E-14	2.38E-08	2.21E-03	7.81E-02	4.43E-05	1.07E-01
597.07446	19.29	11.97	16.59	16.43	15.76	1.23E-23	3.97E-14	4.12E-14	1.28E-13	9.85E-01	2.87E-01	4.71E-01
597.15314	65.64	13.07	13.42	11.07	11.74	4.88E-65	4.21E-03	5.11E-15	5.55E-15	5.11E-15	5.11E-15	1.02E-08
597.24325	150.3	15.46	12.25	12.92	13.71	1.09E-30	5.11E-15	3.40E-14	6.56E-11	2.96E-02	1.25E-07	9.95E-03
597.30515	161.44	20.57	19.76	20.21	20.01	1.06E-06	3.50E-07	6.33E-02	1.19E-03	1.24E-02	3.50E-01	5.41E-01
597.39593	192.38	14.45	15.18	14.65	14.18	3.01E-03	2.66E-02	8.64E-01	7.35E-01	1.87E-01	1.71E-03	3.05E-01
597.43021	239.86	17.72	16.76	17.45	17.59	3.51E-06	2.87E-06	4.59E-01	9.04E-01	1.79E-03	1.82E-04	8.89E-01
597.74585	58.53	14.04	13.97	15.92	15.48	1.86E-25	9.86E-01	4.29E-14	1.44E-11	4.11E-14	6.93E-12	1.18E-01
597.77566	55.25	13.12	12.99	13.34	13.37	4.74E-01	9.67E-01	8.33E-01	7.94E-01	5.80E-01	5.42E-01	1.00E+00
597.83041	41.26	13.71	12.76	11.62	12.87	1.75E-07	3.09E-02	2.04E-08	8.14E-02	6.83E-03	9.91E-01	3.28E-03
598.03182	18.4	13.11	14.19	13.29	13.67	1.79E-03	1.40E-03	9.28E-01	2.41E-01	1.32E-02	3.22E-01	5.88E-01
598.08631	17.04	10.99	14.74	13.14	14.03	5.03E-07	3.97E-07	7.33E-03	9.29E-05	9.50E-02	7.46E-01	5.92E-01
598.25617	195.2	12.42	12.32	12.29	11.20	1.49E-02	9.94E-01	9.88E-01	1.72E-02	1.00E+00	4.31E-02	4.79E-02
598.29036	217.78	16.62	11.48	11.25	12.45	2.93E-38	5.11E-15	5.11E-15	2.86E-14	9.32E-01	6.49E-02	1.19E-02
598.30938	162.36	18.93	17.98	18.46	18.26	5.12E-12	1.46E-12	7.74E-04	1.25E-06	7.99E-04	1.30E-01	3.93E-01
598.37342	199.08	16.73	13.79	14.99	14.26	5.45E-39	5.11E-15	4.31E-14	5.11E-15	9.42E-09	7.62E-02	1.50E-03
598.43359	246.02	14.46	12.52	13.48	13.72	1.06E-06	1.63E-07	1.84E-02	1.44E-01	2.93E-02	4.64E-03	8.99E-01
598.72307	70.98	15.64	14.59	16.11	15.79	1.36E-16	3.50E-09	1.69E-02	7.81E-01	4.45E-14	1.26E-10	2.33E-01
598.75104	58.2	13.83	14.46	16.09	15.58	7.21E-28	4.88E-03	6.22E-15	4.35E-14	5.68E-14	2.42E-07	4.84E-02
598.77972	39.54	15.45	15.99	16.71	16.02	5.49E-12	4.38E-03	3.62E-13	3.23E-03	7.15E-05	9.98E-01	2.31E-04
598.80207	46.08	16.00	14.15	14.67	15.17	5.99E-12	3.16E-12	3.93E-07	5.22E-03	1.58E-01	4.61E-04	1.87E-01
598.82262	50.04	19.23	20.19	20.57	20.48	2.75E-30	4.24E-14	5.33E-15	1.60E-14	3.19E-03	5.35E-02	8.42E-01
598.8615	46.12	13.73	13.57	13.46	14.08	4.62E-01	9.76E-01	8.95E-01	8.14E-01	9.92E-01	5.95E-01	4.19E-01
598.92417	166.28	7.56	10.99	11.64	14.39	2.27E-36	1.48E-13	4.44E-14	5.11E-15	4.23E-01	2.44E-12	9.72E-09
598.92681	54.18	5.95	19.30	7.72	8.65	4.31E-84	5.11E-15	3.54E-04	3.84E-08	5.11E-15	5.11E-15	1.71E-01
598.94511	60.13	11.41	17.05	8.87	9.26	2.83E-81	5.11E-15	4.45E-14	7.51E-12	5.11E-15	5.11E-15	5.24E-01
599.01732	215.95	10.15	11.78	11.66	11.73	4.79E-04	1.87E-03	4.30E-03	3.73E-03	9.93E-01	1.00E+00	9.99E-01

599.02237	19.79	15.22	17.50	17.42	17.60	2.38E-14	5.60E-11	1.84E-10	3.06E-11	9.94E-01	9.93E-01	9.50E-01
599.09856	17.87	14.43	18.59	18.34	18.51	5.95E-24	4.29E-14	4.22E-14	4.26E-14	9.33E-01	9.98E-01	9.77E-01
599.25981	163.42	17.17	16.47	16.74	16.62	2.36E-05	1.41E-05	1.51E-02	1.68E-03	2.65E-01	7.39E-01	8.76E-01
599.32107	179.56	22.24	21.57	21.93	21.59	1.84E-07	1.37E-06	6.40E-02	5.67E-06	2.71E-02	9.99E-01	5.00E-02
599.75188	57.57	12.84	12.85	15.47	14.51	3.11E-17	1.00E+00	7.75E-14	3.65E-06	2.35E-13	7.92E-06	2.03E-02
599.79161	47.31	14.94	17.24	16.67	16.56	1.73E-33	5.11E-15	3.06E-14	4.33E-14	2.94E-03	4.24E-04	9.18E-01
599.82551	49.05	14.89	16.24	16.51	16.38	5.72E-22	8.88E-14	4.22E-14	4.24E-14	3.55E-01	8.27E-01	8.80E-01
599.92801	64.14	9.96	13.04	8.95	9.69	1.66E-52	5.11E-15	4.59E-06	5.40E-01	5.11E-15	5.11E-15	3.06E-03
600.10638	17.56	20.12	19.90	19.36	18.47	1.65E-05	9.07E-01	1.00E-01	1.33E-05	3.93E-01	3.53E-04	5.07E-02
600.26386	154.91	15.10	13.27	13.97	14.02	4.19E-16	4.35E-14	9.78E-08	1.10E-06	2.86E-03	1.66E-03	9.93E-01
600.32733	184.16	20.66	19.87	20.26	19.95	3.04E-11	2.16E-10	2.24E-03	1.95E-08	5.38E-03	9.29E-01	4.30E-02
600.35251	186.91	10.19	13.97	14.04	12.11	4.77E-28	1.80E-14	1.15E-14	3.83E-07	9.97E-01	1.56E-06	4.68E-07
600.72007	65.33	13.58	10.01	12.43	12.47	2.01E-36	5.11E-15	3.67E-06	1.87E-05	3.64E-14	4.04E-14	9.98E-01
600.73836	64.33	14.56	9.72	12.83	12.80	3.75E-36	5.11E-15	1.83E-07	2.92E-07	4.26E-14	4.39E-14	1.00E+00
600.76011	58.1	18.59	17.73	19.00	18.92	6.68E-29	5.16E-14	3.39E-04	8.91E-03	5.77E-15	1.95E-14	8.74E-01
600.78083	46.46	19.92	21.10	21.72	21.45	2.88E-40	3.89E-14	5.11E-15	5.11E-15	1.18E-06	1.74E-02	1.14E-01
600.80034	50.02	15.43	16.12	15.67	15.88	9.94E-07	3.88E-07	2.07E-01	2.79E-03	2.34E-03	2.45E-01	3.73E-01
600.81972	47.74	17.56	18.74	18.78	18.85	1.85E-37	5.11E-15	5.11E-15	5.11E-15	9.86E-01	6.62E-01	8.47E-01
600.92118	55.45	10.64	14.62	9.35	9.78	1.54E-136	5.11E-15	5.11E-15	4.35E-14	5.11E-15	5.11E-15	7.02E-05
600.92908	63.72	12.68	15.07	10.66	11.26	2.21E-102	5.11E-15	5.11E-15	5.77E-15	5.11E-15	5.11E-15	3.46E-06
600.94591	59.7	11.44	16.44	12.92	12.09	7.69E-32	5.11E-15	3.32E-04	3.00E-01	4.53E-14	1.80E-14	1.35E-01
601.06803	26.01	10.19	12.12	13.15	11.10	6.76E-09	2.53E-04	3.56E-09	2.24E-01	1.26E-01	1.60E-01	1.80E-04
601.10843	17.83	17.34	17.05	15.96	15.57	8.32E-06	8.65E-01	1.60E-03	5.04E-05	2.67E-02	1.56E-03	7.63E-01
601.22771	56.4	13.77	15.38	11.87	12.62	1.03E-61	3.11E-14	5.11E-15	5.15E-12	5.11E-15	5.11E-15	1.46E-05
601.2767	163.21	13.60	10.62	11.25	11.89	1.92E-12	2.23E-12	2.10E-08	1.42E-04	3.78E-01	1.04E-02	3.82E-01
601.30931	292.75	15.97	15.94	16.23	15.89	4.25E-02	9.94E-01	1.57E-01	9.17E-01	1.03E-01	9.81E-01	4.63E-02
601.33102	186.99	18.46	18.19	17.94	17.89	5.73E-04	2.54E-01	2.55E-03	1.23E-03	3.56E-01	2.28E-01	9.89E-01
601.41143	194.82	12.11	13.67	13.03	11.37	1.00E-05	3.09E-03	1.60E-01	3.71E-01	4.96E-01	1.13E-05	2.52E-03
601.4613	268.97	15.32	13.84	14.59	15.56	1.94E-07	8.84E-06	6.86E-02	8.57E-01	6.96E-02	7.54E-07	1.12E-02
601.76585	48.17	13.74	12.83	12.99	13.32	8.87E-10	2.07E-09	5.81E-07	1.74E-02	6.96E-01	5.26E-03	9.83E-02
601.78789	51.87	15.79	17.24	17.85	17.61	1.58E-35	4.25E-14	5.11E-15	5.77E-15	2.19E-04	6.67E-02	3.76E-01
601.85777	37.32	16.19	17.04	17.02	16.30	5.56E-10	3.78E-07	5.32E-07	8.93E-01	9.99E-01	3.87E-05	5.38E-05
601.94248	50.96	12.50	15.38	16.18	14.62	2.24E-32	2.93E-14	5.11E-15	1.04E-12	1.74E-02	3.38E-02	2.88E-07
602.11816	21.06	14.20	8.93	8.34	8.62	1.82E-51	5.11E-15	5.11E-15	5.11E-15	2.99E-01	8.02E-01	8.56E-01
602.30366	204.55	17.12	16.27	16.75	17.36	3.89E-04	5.12E-03	4.67E-01	7.82E-01	2.41E-01	3.40E-04	1.01E-01
602.3472	214.21	22.78	23.23	23.20	22.74	1.67E-04	5.46E-03	1.15E-02	9.91E-01	9.94E-01	3.68E-03	7.65E-03
602.5164	236.29	15.26	14.02	13.93	15.18	1.91E-03	2.42E-02	1.22E-02	9.97E-01	9.97E-01	6.05E-02	3.46E-02
602.6767	90.3	10.61	9.58	10.92	9.25	1.87E-02	2.95E-01	9.51E-01	1.11E-01	1.15E-01	9.52E-01	3.52E-02
602.71818	58.05	19.49	19.74	20.78	20.46	9.65E-17	3.54E-01	5.00E-14	1.06E-08	5.64E-10	5.28E-05	1.72E-01
602.73822	61.32	16.41	14.85	17.04	16.78	3.31E-36	3.44E-14	8.08E-05	6.23E-02	5.11E-15	5.33E-15	2.97E-01
602.75776	52.28	17.22	15.19	17.49	17.37	1.40E-59	5.11E-15	5.94E-02	5.22E-01	5.11E-15	5.11E-15	7.21E-01
602.77922	53.77	18.33	19.47	20.14	19.89	1.12E-37	4.44E-14	5.11E-15	5.33E-15	5.52E-07	4.51E-03	2.03E-01
602.8092	38.64	13.59	13.55	13.76	13.61	9.65E-01	1.00E+00	9.78E-01	1.00E+00	9.61E-01	9.99E-01	9.87E-01
602.88995	43.81	12.51	14.52	14.96	14.87	1.53E-11	4.59E-07	4.94E-10	7.19E-09	6.41E-01	8.01E-01	9.95E-01
602.91427	39.5	12.73	14.17	13.77	13.99	2.71E-02	2.79E-02	1.75E-01	8.18E-02	8.71E-01	9.87E-01	9.77E-01

603.16043	20.46	11.13	14.73	12.42	11.81	6.59E-08	3.01E-08	1.25E-01	6.78E-01	9.73E-04	2.93E-05	7.55E-01
603.30564	203.62	15.45	13.12	13.98	15.21	6.75E-14	1.60E-12	8.23E-06	8.64E-01	2.70E-02	1.55E-09	6.37E-04
603.35075	209.7	21.07	21.51	21.50	21.06	2.64E-04	5.87E-03	7.86E-03	1.00E+00	9.99E-01	9.36E-03	1.23E-02
603.44113	220.13	18.14	14.33	15.33	16.30	1.91E-29	5.11E-15	4.13E-14	1.14E-08	4.20E-03	2.67E-09	7.13E-03
603.72179	59.68	15.40	14.07	16.61	16.25	3.34E-27	2.15E-09	4.00E-08	3.62E-04	6.00E-15	4.26E-14	3.20E-01
603.78283	54.26	13.80	14.56	15.62	15.26	1.51E-10	2.11E-02	2.32E-10	9.78E-07	6.99E-04	6.09E-02	5.74E-01
603.88062	56.48	11.84	13.89	15.87	15.22	1.86E-24	1.55E-07	1.53E-14	4.27E-14	6.42E-07	2.53E-03	2.91E-01
604.10334	22.01	16.96	18.66	18.61	18.01	1.91E-14	1.66E-12	4.33E-12	3.30E-05	9.96E-01	2.44E-02	4.19E-02
604.14423	19.88	11.62	16.08	16.54	14.96	5.81E-23	4.32E-14	3.55E-14	1.71E-10	7.68E-01	1.06E-01	7.40E-03
604.22785	208.82	12.48	13.02	12.97	12.57	3.29E-01	4.17E-01	5.07E-01	9.94E-01	9.99E-01	6.21E-01	7.09E-01
604.29956	203.04	15.17	12.96	13.43	14.55	7.60E-17	4.52E-14	1.94E-10	7.44E-02	2.50E-01	4.91E-08	1.95E-04
604.32586	191.51	17.87	17.16	17.48	17.24	6.40E-03	6.57E-03	2.72E-01	2.61E-02	4.65E-01	9.84E-01	7.13E-01
604.35918	222.26	20.34	20.24	19.69	19.58	1.42E-04	9.59E-01	5.06E-03	1.19E-03	3.05E-02	8.66E-03	9.55E-01
604.44531	217.32	15.53	11.40	12.03	13.46	1.84E-13	1.01E-12	8.15E-10	8.72E-04	6.49E-01	1.49E-03	4.81E-02
604.5322	242.46	13.91	12.71	13.50	13.44	2.59E-02	1.23E-02	7.06E-01	6.38E-01	1.99E-01	2.89E-01	9.99E-01
604.69585	82.71	12.62	11.68	12.27	11.77	2.66E-02	3.51E-02	7.41E-01	8.03E-02	3.35E-01	9.95E-01	5.06E-01
604.71664	57.46	18.54	18.46	19.73	19.40	4.66E-21	9.50E-01	4.51E-14	1.36E-08	4.15E-14	2.10E-09	9.49E-02
604.73562	57.69	15.45	13.66	16.42	16.16	1.17E-41	3.20E-14	8.03E-08	2.40E-04	5.11E-15	5.11E-15	4.49E-01
604.77292	54.66	15.38	15.59	16.43	16.17	6.59E-13	4.39E-01	1.10E-11	9.06E-07	1.47E-07	8.65E-04	2.98E-01
604.81201	38.25	13.06	13.65	13.52	13.77	7.91E-02	1.73E-01	3.59E-01	7.53E-02	9.76E-01	9.76E-01	8.42E-01
604.82785	37.19	14.22	15.29	15.29	14.85	3.98E-04	1.18E-03	1.04E-03	1.41E-01	1.00E+00	4.48E-01	4.40E-01
604.85177	43.55	17.30	18.92	18.71	18.87	6.47E-21	4.49E-14	9.90E-14	4.40E-14	5.98E-01	9.91E-01	7.92E-01
604.87233	37.77	16.54	19.33	19.18	19.14	4.80E-26	3.24E-14	3.95E-14	4.26E-14	9.31E-01	8.85E-01	9.99E-01
605.10578	21.16	10.32	12.40	12.18	10.99	8.10E-05	2.60E-04	1.26E-03	5.56E-01	9.72E-01	4.02E-02	1.08E-01
605.32936	180.61	15.03	14.84	14.44	14.73	2.66E-01	9.22E-01	1.98E-01	7.65E-01	5.60E-01	9.85E-01	7.93E-01
605.36426	223.12	18.26	16.46	15.28	16.37	7.13E-23	2.35E-10	1.20E-14	8.09E-11	6.83E-05	9.85E-01	4.53E-04
605.40671	211.77	16.22	17.77	17.85	17.33	1.75E-11	2.58E-09	2.72E-10	4.53E-05	9.88E-01	3.06E-01	1.66E-01
605.45623	236.72	18.61	17.72	18.32	19.04	3.25E-16	1.99E-09	1.35E-01	1.08E-02	1.24E-04	4.33E-14	3.96E-06
605.71968	51.32	14.11	11.34	12.51	12.91	9.99E-20	3.49E-14	1.35E-08	5.33E-05	8.55E-05	2.01E-07	4.71E-01
605.73349	60.2	13.99	11.98	15.66	14.82	2.76E-30	4.47E-12	6.31E-09	1.29E-02	5.11E-15	4.17E-14	1.45E-02
605.76289	55.67	12.75	12.59	13.59	13.68	3.38E-03	9.69E-01	7.50E-02	5.19E-02	2.83E-02	1.93E-02	9.96E-01
605.82021	42.55	11.84	13.75	13.34	13.63	8.24E-13	2.68E-11	1.26E-07	1.12E-09	4.19E-01	9.71E-01	7.20E-01
605.87636	46.81	12.43	14.21	13.86	14.65	1.82E-06	1.44E-04	3.22E-03	2.08E-06	8.39E-01	7.34E-01	2.54E-01
605.896	59.5	12.34	10.94	12.44	13.32	2.90E-20	1.06E-09	9.63E-01	4.88E-05	1.53E-10	3.26E-14	4.60E-04
605.95519	22.65	9.38	15.88	15.72	14.20	1.91E-46	5.11E-15	5.11E-15	7.11E-15	9.78E-01	3.06E-04	1.21E-03
606.22479	144.48	16.03	15.47	16.77	16.56	1.09E-07	5.87E-02	4.67E-03	9.18E-02	1.68E-07	3.05E-05	8.01E-01
606.28243	194.21	15.05	13.21	14.00	13.81	1.07E-10	2.12E-11	1.96E-04	1.46E-05	1.15E-02	1.07E-01	8.83E-01
606.3033	197.98	19.61	19.13	19.26	19.31	1.42E-05	6.51E-06	1.66E-03	1.38E-02	5.37E-01	2.80E-01	9.60E-01
606.34208	194.84	16.00	14.56	14.71	14.73	4.87E-08	4.49E-07	5.97E-06	1.93E-05	9.41E-01	9.22E-01	1.00E+00
606.37696	219.36	16.29	14.54	14.63	14.53	1.31E-06	2.52E-05	5.81E-05	3.74E-05	9.96E-01	1.00E+00	9.94E-01
606.40988	207.95	14.44	15.95	15.91	15.16	3.76E-07	3.28E-06	5.26E-06	8.17E-02	9.99E-01	5.31E-02	7.17E-02
606.45978	237.22	16.21	15.49	16.40	17.00	9.53E-07	2.06E-02	8.68E-01	1.23E-02	2.22E-03	1.69E-07	1.02E-01
606.71432	59.27	15.68	12.42	16.91	16.45	1.14E-54	5.11E-15	2.10E-07	4.12E-03	5.11E-15	5.11E-15	1.70E-01
606.73928	56	17.02	16.04	16.92	17.10	1.48E-10	1.12E-08	9.33E-01	9.61E-01	4.46E-07	4.87E-09	7.23E-01
606.76686	137.74	12.46	4.97	5.50	6.34	1.97E-45	5.11E-15	5.11E-15	5.11E-15	6.52E-01	2.23E-02	2.88E-01

606.81359	38.84	20.49	22.52	22.35	22.25	8.06E-41	5.11E-15	5.11E-15	5.11E-15	6.04E-01	2.23E-01	8.85E-01
607.07875	17.69	19.74	21.36	21.27	21.09	1.61E-37	5.11E-15	5.11E-15	1.33E-14	8.63E-01	1.12E-01	4.30E-01
607.22847	145.3	11.76	10.07	13.02	12.39	3.01E-07	4.45E-03	5.58E-02	6.12E-01	1.36E-07	9.42E-05	6.21E-01
607.30667	200.55	17.68	16.80	16.67	17.10	4.64E-14	2.27E-10	2.88E-13	6.70E-05	7.32E-01	1.18E-01	7.13E-03
607.47429	238.56	22.40	21.56	21.95	21.71	3.14E-08	3.09E-08	6.63E-03	1.38E-05	2.99E-02	7.21E-01	3.50E-01
607.73861	58.93	12.86	12.07	15.49	14.46	1.23E-22	6.02E-02	7.37E-14	9.20E-06	3.69E-14	6.01E-11	1.04E-02
607.77872	48.95	13.96	17.03	16.64	16.43	3.24E-36	5.11E-15	5.33E-15	2.18E-14	2.78E-01	3.88E-02	7.75E-01
607.81332	46.14	16.23	18.87	18.72	18.61	8.70E-40	5.11E-15	5.11E-15	5.11E-15	8.47E-01	5.28E-01	9.40E-01
607.97821	24.6	11.02	12.84	13.49	12.37	4.08E-10	3.52E-06	1.61E-10	1.52E-03	2.88E-01	5.80E-01	1.50E-02
608.0804	17.97	17.73	19.33	19.29	19.09	1.64E-37	5.11E-15	5.11E-15	1.29E-14	9.85E-01	1.85E-01	3.34E-01
608.24031	177.51	15.91	16.77	17.18	16.13	4.31E-10	9.82E-05	1.95E-09	7.13E-01	1.62E-01	1.03E-02	2.75E-06
608.31981	200.76	20.71	18.51	19.51	17.56	1.31E-40	7.99E-15	2.41E-09	5.11E-15	1.61E-06	1.30E-05	4.13E-14
608.35764	205.43	18.44	18.75	18.66	19.39	1.72E-03	5.66E-01	7.81E-01	7.62E-04	9.85E-01	5.46E-02	2.00E-02
608.39255	206.68	14.48	13.51	14.02	14.71	2.98E-03	1.63E-02	4.82E-01	9.07E-01	4.14E-01	3.26E-03	1.86E-01
608.47728	238.75	21.11	20.26	20.65	20.45	9.26E-08	5.58E-08	6.49E-03	5.50E-05	4.10E-02	5.98E-01	5.38E-01
608.56309	266.55	16.99	15.91	16.05	18.08	8.95E-08	1.96E-02	5.37E-02	2.28E-02	9.81E-01	4.35E-07	2.17E-06
608.72681	75.71	14.14	11.27	12.68	12.69	5.07E-12	3.30E-13	2.72E-04	5.31E-04	8.27E-04	1.21E-03	1.00E+00
608.74719	52.4	18.83	18.38	19.25	19.07	4.24E-09	3.60E-03	7.43E-03	2.74E-01	2.56E-09	5.88E-06	5.64E-01
608.78088	53.39	13.54	15.98	14.85	14.87	8.48E-10	7.40E-11	8.06E-04	1.09E-03	7.27E-03	1.20E-02	1.00E+00
608.80786	39.54	18.73	20.34	20.20	20.15	1.20E-40	5.11E-15	5.11E-15	5.11E-15	5.76E-01	3.27E-01	9.67E-01
608.86181	43.16	13.91	15.32	15.58	16.18	4.47E-15	5.27E-07	1.43E-09	4.97E-14	7.35E-01	8.66E-03	1.20E-01
608.90516	58.24	11.55	13.43	10.30	11.30	4.71E-13	4.97E-06	3.90E-03	9.05E-01	1.06E-13	7.35E-07	4.99E-02
609.08289	25.9	13.64	15.81	15.72	15.61	3.09E-27	2.35E-14	3.44E-14	4.42E-14	9.72E-01	7.74E-01	9.49E-01
609.24373	187.11	12.39	12.86	14.28	13.60	2.27E-08	4.39E-01	2.05E-08	1.03E-03	6.20E-05	1.05E-01	1.57E-01
609.32282	196.83	18.66	17.38	18.02	16.35	3.86E-27	4.17E-11	1.99E-03	5.33E-15	2.35E-03	5.77E-07	4.29E-14
609.34155	178.5	9.55	13.57	14.78	8.80	1.32E-25	3.09E-11	4.25E-14	5.51E-01	1.43E-01	1.60E-13	4.10E-14
609.36149	198.82	16.48	17.18	17.15	17.62	1.32E-04	2.20E-02	3.03E-02	4.17E-05	9.99E-01	3.06E-01	2.37E-01
609.48425	239.13	20.33	19.56	20.03	19.74	4.02E-06	3.22E-06	1.83E-01	9.28E-04	1.18E-02	6.51E-01	2.53E-01
609.51027	248.36	19.58	18.47	18.42	18.98	1.28E-06	1.90E-05	5.35E-06	6.09E-02	9.96E-01	1.60E-01	9.56E-02
609.75182	60.33	15.06	13.74	14.78	14.33	1.43E-06	9.22E-07	6.47E-01	1.97E-02	2.46E-04	1.03E-01	2.94E-01
609.78349	47.13	12.02	14.55	14.19	14.77	3.86E-24	4.09E-14	5.00E-14	3.72E-14	5.10E-01	8.36E-01	1.27E-01
609.81124	41.15	13.34	13.33	13.11	13.48	2.58E-01	1.00E+00	5.64E-01	8.64E-01	6.06E-01	8.61E-01	1.92E-01
610.2558	171.36	13.93	13.41	13.79	12.94	8.17E-03	3.04E-01	9.65E-01	7.15E-03	5.97E-01	4.31E-01	3.31E-02
610.32438	192.21	15.80	13.81	15.75	13.37	3.13E-18	7.78E-10	9.98E-01	3.82E-13	4.25E-09	4.89E-01	2.46E-12
610.37191	198.88	16.56	14.30	15.13	15.09	2.26E-13	9.24E-14	1.31E-06	1.61E-06	1.65E-02	3.26E-02	9.99E-01
610.49252	244.02	18.30	17.60	18.04	17.85	4.24E-04	1.73E-04	3.84E-01	4.25E-02	4.47E-02	4.61E-01	6.95E-01
610.51415	249.36	17.91	16.51	16.16	16.97	1.14E-07	2.94E-05	9.01E-08	1.31E-02	6.77E-01	4.63E-01	5.30E-02
610.68445	74.91	15.54	16.03	16.79	16.13	4.46E-14	4.08E-03	4.62E-14	4.62E-04	2.86E-06	9.10E-01	1.03E-04
610.70513	73.09	12.81	11.06	12.86	12.40	3.32E-07	2.29E-06	9.99E-01	6.38E-01	1.79E-06	1.02E-03	5.55E-01
610.74471	64.52	16.93	15.73	17.09	16.87	4.98E-27	3.73E-14	4.45E-01	9.65E-01	9.33E-15	4.23E-14	2.42E-01
610.76271	47.68	19.97	20.49	20.85	20.53	6.88E-22	1.68E-09	1.84E-14	2.25E-10	5.72E-05	9.58E-01	7.11E-04
610.79299	44.91	13.40	12.83	13.32	12.82	1.75E-01	3.17E-01	9.96E-01	3.20E-01	4.62E-01	1.00E+00	4.61E-01
610.80183	41.72	14.17	13.06	13.14	13.55	4.43E-14	1.60E-12	2.34E-11	1.98E-04	9.59E-01	6.82E-03	2.77E-02
610.82099	44.88	16.59	18.98	19.06	19.01	2.12E-43	5.11E-15	5.11E-15	5.11E-15	9.69E-01	9.99E-01	9.92E-01
610.83816	37.18	11.38	11.73	12.68	12.61	8.27E-04	7.80E-01	2.80E-03	7.69E-03	6.24E-02	1.14E-01	9.98E-01

610.88016	42.89	15.54	13.97	13.93	14.57	2.13E-03	5.74E-03	3.65E-03	1.89E-01	1.00E+00	6.29E-01	5.60E-01
611.0016	24	10.00	12.68	12.05	12.18	3.00E-12	1.18E-11	1.70E-07	7.06E-08	3.14E-01	5.59E-01	9.84E-01
611.1317	57.02	11.80	19.12	9.91	10.45	8.03E-140	5.11E-15	7.33E-15	9.84E-14	5.11E-15	5.11E-15	6.94E-03
611.14594	21.44	21.38	25.05	24.89	24.85	1.07E-32	5.33E-15	7.33E-15	1.40E-14	9.55E-01	9.22E-01	9.99E-01
611.26031	163.74	11.85	11.59	12.54	11.01	1.20E-03	8.82E-01	2.29E-01	1.07E-01	5.21E-02	4.31E-01	4.33E-04
611.32202	172	11.94	11.88	11.58	10.68	1.80E-02	9.99E-01	8.26E-01	1.82E-02	8.98E-01	3.36E-02	1.62E-01
611.37922	168.04	15.00	13.04	12.93	13.16	2.95E-14	7.16E-11	4.71E-12	2.60E-09	9.82E-01	9.73E-01	8.55E-01
611.50464	256.77	17.23	14.23	16.20	16.02	1.63E-10	1.72E-11	5.42E-02	1.98E-02	2.00E-05	2.56E-04	9.70E-01
611.52593	256.3	21.00	21.11	21.03	21.09	9.72E-01	9.72E-01	9.99E-01	9.88E-01	9.90E-01	1.00E+00	9.97E-01
611.76595	56.89	15.44	15.18	16.09	15.81	5.66E-10	2.02E-01	9.53E-06	3.50E-02	9.18E-10	5.98E-05	1.92E-01
611.80134	44.74	15.80	16.37	15.61	15.67	9.77E-05	6.50E-03	6.60E-01	8.87E-01	1.31E-04	1.00E-03	9.82E-01
611.82671	44.36	13.47	13.65	13.59	14.13	1.22E-02	8.12E-01	9.31E-01	7.98E-03	9.92E-01	1.03E-01	5.01E-02
612.01645	17.05	10.74	17.59	15.99	13.77	1.57E-40	5.11E-15	5.33E-15	1.16E-10	1.18E-03	4.77E-14	4.31E-06
612.13451	57.2	9.77	14.98	8.80	9.15	1.37E-102	5.11E-15	5.44E-08	1.55E-03	5.11E-15	5.11E-15	1.80E-01
612.33126	203.45	23.37	23.65	23.85	23.75	3.53E-04	7.21E-02	2.11E-04	7.93E-03	3.27E-01	8.46E-01	8.39E-01
612.3888	224.6	14.36	18.92	17.64	18.84	6.30E-23	4.02E-14	1.05E-11	4.33E-14	2.54E-02	9.98E-01	5.01E-02
612.5104	251.78	16.11	12.95	14.15	15.14	9.52E-15	4.80E-14	7.83E-07	4.83E-02	7.65E-03	2.07E-07	4.69E-02
612.52998	256.96	19.44	19.65	19.61	19.57	8.95E-01	8.84E-01	9.33E-01	9.69E-01	9.99E-01	9.94E-01	9.99E-01
612.68276	66.61	13.41	11.96	14.10	12.87	3.00E-16	4.49E-09	1.20E-02	9.85E-02	4.21E-14	8.72E-04	2.77E-06
612.70032	71.17	16.05	16.10	17.05	16.58	2.28E-18	9.70E-01	4.23E-14	3.41E-05	6.79E-14	3.43E-04	3.10E-04
612.75928	48.83	18.62	18.81	19.13	18.74	6.65E-07	1.44E-01	2.04E-07	5.29E-01	3.61E-03	8.93E-01	3.50E-04
612.79888	44.3	13.59	15.56	14.41	15.05	2.51E-11	1.82E-11	1.25E-02	1.49E-06	1.80E-04	2.64E-01	9.90E-02
612.81828	46.18	15.32	16.21	16.57	16.56	6.18E-18	1.23E-08	4.27E-14	6.14E-14	6.40E-02	9.01E-02	1.00E+00
612.83838	44.4	17.89	18.44	18.23	18.60	9.73E-05	2.85E-03	1.34E-01	7.69E-05	5.34E-01	7.53E-01	9.75E-02
612.8587	45.05	13.87	16.54	16.94	16.44	9.45E-26	4.26E-14	1.73E-14	4.11E-14	4.74E-01	9.85E-01	2.95E-01
612.94434	65.22	8.10	14.71	9.01	8.01	4.89E-47	5.11E-15	8.61E-02	9.97E-01	5.11E-15	5.11E-15	7.03E-02
612.9543	163.15	8.76	8.04	8.41	12.66	9.28E-45	3.03E-02	5.27E-01	5.11E-15	5.00E-01	5.11E-15	5.11E-15
612.98295	60.03	12.15	17.97	10.11	11.07	1.00E-95	5.11E-15	4.29E-14	1.44E-05	5.11E-15	5.11E-15	2.27E-04
612.99925	17.75	11.64	18.23	18.29	15.69	4.52E-52	5.11E-15	5.11E-15	3.13E-14	9.99E-01	1.55E-09	4.69E-10
613.03396	21.86	9.41	14.90	14.67	13.09	2.49E-17	4.73E-14	7.15E-14	2.31E-07	9.85E-01	3.52E-02	7.98E-02
613.12867	65.73	10.23	15.87	9.11	9.50	4.03E-134	5.11E-15	4.37E-14	2.19E-07	5.11E-15	5.11E-15	1.59E-02
613.14153	18.34	19.54	21.65	21.66	21.68	1.97E-36	5.11E-15	5.11E-15	5.11E-15	1.00E+00	9.99E-01	9.99E-01
613.3347	205.85	21.74	22.00	22.21	22.11	3.71E-04	9.25E-02	2.07E-04	9.25E-03	2.73E-01	8.20E-01	8.13E-01
613.39305	210.32	11.42	15.73	14.47	16.13	3.61E-16	7.34E-13	2.87E-07	7.26E-14	1.08E-01	9.04E-01	2.10E-02
613.53958	274.88	17.24	17.24	17.22	18.05	1.70E-01	1.00E+00	1.00E+00	2.28E-01	1.00E+00	2.49E-01	2.22E-01
613.71979	52.32	12.83	9.78	12.78	12.54	3.22E-28	1.04E-14	9.98E-01	6.88E-01	1.87E-14	4.26E-14	7.97E-01
613.74975	57.05	13.39	12.96	14.20	13.90	2.17E-04	4.36E-01	2.47E-02	3.11E-01	1.92E-04	1.13E-02	7.49E-01
613.80424	45.45	12.83	13.26	12.70	13.53	1.91E-02	4.14E-01	9.67E-01	7.32E-02	2.07E-01	8.00E-01	2.61E-02
613.95578	20.3	13.36	12.79	13.64	13.89	1.06E-01	5.66E-01	9.17E-01	6.46E-01	2.33E-01	8.64E-02	9.50E-01
613.98628	61.03	13.50	13.70	11.58	12.28	7.49E-70	9.43E-02	5.11E-15	5.11E-15	5.11E-15	5.11E-15	7.03E-12
614.14496	18.05	17.18	19.24	19.27	19.27	2.77E-32	8.66E-15	6.66E-15	9.99E-15	9.99E-01	9.98E-01	1.00E+00
614.26809	181.85	15.14	12.22	12.96	13.79	6.20E-15	5.00E-14	2.53E-09	7.18E-04	1.40E-01	8.94E-05	8.74E-02
614.34275	211.03	21.46	21.81	21.66	21.41	2.22E-02	5.44E-02	4.69E-01	9.88E-01	6.92E-01	3.31E-02	3.28E-01
614.5241	264.1	17.03	16.94	17.82	17.36	4.01E-03	9.84E-01	1.18E-02	5.90E-01	5.07E-03	4.01E-01	3.27E-01
614.69643	71.08	14.25	12.74	15.73	15.21	4.63E-14	1.70E-04	2.16E-04	4.33E-02	1.22E-13	1.63E-09	5.04E-01

614.72579	58.75	14.20	11.84	15.02	14.22	8.73E-26	4.37E-14	7.52E-03	1.00E+00	6.66E-15	4.46E-14	1.53E-02
614.75405	44.06	15.84	15.61	16.23	15.73	2.27E-02	6.70E-01	2.18E-01	9.51E-01	1.65E-02	9.45E-01	8.95E-02
614.77627	49.63	15.24	13.20	13.40	14.04	1.19E-10	7.69E-10	2.21E-08	8.06E-04	9.16E-01	4.48E-02	1.84E-01
614.79663	53.2	18.80	19.24	19.99	19.85	8.56E-29	5.59E-05	6.22E-15	3.94E-14	1.43E-11	8.24E-08	5.64E-01
614.83601	48.47	14.80	14.00	14.12	14.96	6.95E-03	6.02E-02	1.35E-01	9.64E-01	9.84E-01	2.47E-02	5.92E-02
614.85464	39.45	15.85	18.61	17.97	18.09	2.20E-19	4.37E-14	5.57E-12	2.04E-12	1.21E-01	3.09E-01	9.75E-01
614.92247	65.05	13.09	15.42	11.14	11.85	2.29E-102	5.11E-15	5.11E-15	2.00E-14	5.11E-15	5.11E-15	1.05E-08
614.94092	67.48	12.91	13.27	10.91	11.64	1.03E-64	2.32E-03	5.11E-15	7.55E-15	5.11E-15	5.11E-15	7.38E-10
614.98661	60.38	12.96	14.71	10.98	11.68	1.81E-100	5.11E-15	5.11E-15	5.11E-15	5.11E-15	5.11E-15	1.83E-10
615.14625	17.27	13.34	16.45	16.35	16.18	1.42E-27	2.22E-14	2.89E-14	4.23E-14	9.85E-01	8.06E-01	9.43E-01
615.23416	155.66	14.71	14.88	15.76	14.70	4.04E-06	8.81E-01	1.82E-05	1.00E+00	6.69E-04	8.73E-01	4.34E-05
615.32456	289.74	17.05	17.13	17.64	16.44	3.96E-14	9.30E-01	4.56E-05	4.38E-05	8.71E-04	5.79E-06	4.42E-14
615.33809	206.89	14.63	13.62	14.95	14.88	5.11E-06	1.21E-03	6.14E-01	7.90E-01	1.22E-05	7.25E-05	9.95E-01
615.35038	217.43	19.60	19.96	19.68	19.46	2.49E-02	1.13E-01	9.66E-01	8.01E-01	3.00E-01	1.51E-02	5.43E-01
615.72585	59.77	12.87	10.38	14.63	13.14	1.59E-30	6.77E-14	4.03E-08	8.12E-01	5.11E-15	4.26E-14	1.42E-05
615.76567	51.03	14.85	16.73	16.49	16.10	6.29E-29	5.33E-15	2.69E-14	2.22E-13	3.91E-01	5.85E-04	7.10E-02
615.79929	46.31	14.13	13.14	14.04	14.12	1.14E-08	1.32E-07	9.50E-01	1.00E+00	3.12E-06	8.95E-07	9.73E-01
615.89431	30.85	11.24	12.58	12.39	12.38	6.92E-04	1.17E-03	7.01E-03	1.09E-02	9.51E-01	9.49E-01	1.00E+00
616.32585	219.07	14.35	17.17	16.94	14.73	5.30E-25	4.34E-14	4.36E-14	5.58E-01	8.50E-01	1.53E-13	9.61E-12
616.35789	216.96	20.33	17.19	16.82	17.28	3.84E-54	5.11E-15	5.11E-15	5.11E-15	1.86E-01	9.68E-01	7.54E-02
616.71026	71.87	14.67	11.25	13.98	14.29	6.55E-29	5.33E-15	5.03E-02	5.10E-01	4.31E-14	3.62E-14	6.96E-01
616.71696	69.17	14.11	11.94	12.23	11.80	2.73E-18	7.11E-14	1.72E-11	4.46E-14	6.97E-01	9.51E-01	3.81E-01
616.73377	60.54	16.84	15.21	17.23	17.05	4.04E-29	4.29E-14	6.33E-02	5.71E-01	5.77E-15	2.86E-14	6.90E-01
616.75473	54.92	19.10	19.74	20.61	20.36	4.50E-28	2.51E-06	5.77E-15	4.35E-14	2.33E-10	1.61E-05	2.18E-01
616.77458	54.38	15.46	15.65	16.18	16.03	2.49E-11	2.45E-01	1.68E-10	1.51E-06	7.64E-06	4.35E-03	4.86E-01
616.79346	45.03	17.63	18.28	18.55	18.52	3.15E-23	2.44E-11	3.66E-14	4.35E-14	1.44E-02	4.58E-02	9.89E-01
616.91789	57.6	10.96	15.28	12.27	12.06	7.50E-23	1.60E-14	3.04E-03	2.59E-02	1.38E-12	2.70E-13	9.47E-01
617.20032	64.92	13.84	15.15	11.99	12.64	3.80E-72	2.09E-14	5.11E-15	4.35E-14	5.11E-15	5.11E-15	1.44E-06
617.27392	98.5	14.46	11.33	13.11	13.10	1.52E-07	1.64E-08	3.76E-02	4.63E-02	3.60E-03	5.55E-03	1.00E+00
617.32947	216.53	11.69	14.74	13.92	13.17	1.99E-12	1.09E-12	1.33E-07	1.55E-03	1.69E-01	8.91E-04	2.44E-01
617.36351	207.05	18.36	13.66	13.77	14.21	3.54E-27	2.40E-14	2.89E-14	4.29E-14	9.94E-01	5.99E-01	7.51E-01
617.73929	25.37	12.84	8.69	11.67	12.18	1.77E-15	4.63E-14	6.33E-02	5.18E-01	1.65E-08	1.76E-10	7.39E-01
617.7613	54.44	14.94	15.72	16.69	16.47	2.90E-18	2.89E-04	4.35E-14	8.06E-13	6.19E-06	1.21E-03	6.88E-01
617.81038	44.78	14.26	17.19	16.47	16.45	7.46E-23	2.66E-14	7.75E-14	3.63E-13	3.95E-02	4.24E-02	1.00E+00
617.83168	38.93	16.16	16.69	16.92	16.09	4.80E-04	9.11E-02	3.67E-03	9.86E-01	7.17E-01	5.42E-02	2.15E-03
617.91668	54.59	11.29	14.66	15.84	14.67	1.54E-39	8.88E-15	5.11E-15	1.29E-14	3.44E-04	1.00E+00	5.65E-04
618.08665	18.33	17.87	19.55	19.52	19.09	4.23E-29	7.99E-15	9.55E-15	6.69E-14	9.97E-01	1.31E-02	2.19E-02
618.31277	40.97	9.98	13.24	11.38	12.10	7.28E-09	1.55E-09	2.26E-02	2.36E-04	1.54E-03	1.24E-01	5.11E-01
618.34183	178.97	13.24	12.56	13.03	13.36	2.01E-01	2.85E-01	9.40E-01	9.90E-01	6.33E-01	1.96E-01	8.34E-01
618.37688	193.98	12.92	13.04	12.93	12.97	9.90E-01	9.90E-01	1.00E+00	9.99E-01	9.93E-01	9.99E-01	9.99E-01
618.71248	65.25	15.01	12.47	16.25	15.77	5.83E-46	6.00E-15	3.86E-08	2.49E-03	5.11E-15	5.11E-15	1.20E-01
618.73235	62.48	15.98	13.39	16.10	16.21	2.86E-47	5.11E-15	8.67E-01	4.99E-01	5.11E-15	5.11E-15	9.17E-01
618.75274	54.11	17.73	18.33	19.29	19.00	1.22E-27	2.35E-05	5.77E-15	4.27E-14	2.56E-11	9.90E-06	1.30E-01
618.7847	43.25	14.69	14.52	14.37	14.32	3.65E-01	8.73E-01	4.79E-01	3.74E-01	9.15E-01	8.30E-01	9.96E-01
618.81262	44.13	11.94	15.19	14.09	15.10	2.49E-12	7.10E-11	1.74E-05	5.80E-10	8.82E-02	9.98E-01	1.48E-01

618.86596	42.79	14.61	15.67	16.09	15.92	1.16E-08	1.45E-04	2.81E-08	2.97E-06	3.26E-01	7.75E-01	8.99E-01
618.88804	43.13	15.16	17.98	17.85	17.97	2.28E-21	4.24E-14	4.41E-14	4.27E-14	9.79E-01	1.00E+00	9.84E-01
619.01115	23.92	17.66	17.33	17.66	17.38	4.81E-02	1.22E-01	1.00E+00	2.54E-01	1.34E-01	9.90E-01	2.70E-01
619.0899	17.39	14.80	16.88	16.89	15.97	5.74E-19	4.24E-14	4.31E-14	1.02E-05	1.00E+00	1.39E-03	1.11E-03
619.24784	171.02	15.38	13.99	14.34	14.45	1.69E-11	1.38E-11	3.10E-07	1.22E-05	2.71E-01	1.00E-01	9.45E-01
619.28948	136.65	23.07	22.86	22.87	22.49	4.20E-03	5.08E-01	5.59E-01	1.49E-03	1.00E+00	1.03E-01	7.99E-02
619.55309	17.46	9.61	11.73	12.35	10.95	9.65E-10	2.73E-06	6.89E-10	8.32E-03	4.52E-01	2.72E-01	6.89E-03
619.75676	56.94	14.04	12.70	15.00	14.79	4.15E-17	1.01E-06	8.12E-04	2.01E-02	4.30E-14	5.84E-13	8.52E-01
619.78776	46.54	13.28	16.27	15.01	15.45	1.78E-19	3.91E-14	4.16E-08	2.93E-11	1.71E-04	3.95E-02	4.62E-01
619.85901	43.52	12.17	13.34	13.14	13.74	1.23E-03	1.76E-02	6.52E-02	8.20E-04	9.61E-01	7.75E-01	4.73E-01
619.94033	54.63	13.98	11.27	12.45	13.15	4.43E-15	4.41E-14	4.11E-06	3.83E-02	1.09E-03	1.03E-07	1.25E-01
620.25921	194.99	12.31	13.44	13.86	13.10	3.39E-04	1.20E-02	1.52E-04	1.49E-01	6.63E-01	8.23E-01	1.96E-01
620.29288	136.49	21.35	21.06	21.20	20.78	3.16E-03	2.25E-01	7.41E-01	1.49E-03	8.09E-01	2.79E-01	3.94E-02
620.31928	201.6	17.95	16.38	16.49	16.69	8.61E-18	4.46E-14	1.08E-13	3.36E-10	9.32E-01	3.43E-01	6.91E-01
620.35719	189.94	11.86	12.23	12.60	12.93	5.01E-01	9.53E-01	7.21E-01	4.63E-01	9.58E-01	7.92E-01	9.71E-01
620.71172	54.83	13.84	10.89	12.54	12.40	4.54E-28	5.11E-15	3.70E-08	3.94E-09	1.84E-11	2.51E-09	9.29E-01
620.74648	56.75	15.09	14.36	16.21	16.05	3.97E-15	6.30E-03	5.42E-06	2.86E-04	2.29E-13	7.60E-11	8.88E-01
620.78549	46.65	13.10	15.83	14.81	15.28	5.14E-17	4.29E-14	1.01E-07	4.99E-11	4.15E-03	2.84E-01	4.18E-01
620.80125	40.21	14.99	15.71	16.06	15.34	6.59E-10	5.31E-05	3.70E-10	1.43E-01	1.20E-01	1.20E-01	9.36E-05
620.8257	45.54	18.20	19.32	19.17	19.28	2.24E-24	3.91E-14	4.26E-14	4.44E-14	5.56E-01	9.88E-01	7.77E-01
620.84637	45.8	17.65	20.61	20.58	20.45	1.33E-32	5.77E-15	6.00E-15	1.80E-14	9.99E-01	9.11E-01	9.56E-01
620.92943	65.85	13.32	15.16	11.34	12.03	1.00E-112	5.11E-15	5.11E-15	5.11E-15	5.11E-15	5.11E-15	1.51E-12
621.29981	147.39	19.38	19.07	19.26	18.89	6.93E-03	1.34E-01	8.35E-01	5.52E-03	5.56E-01	6.39E-01	6.70E-02
621.32782	193.08	17.80	16.32	13.91	15.86	3.80E-20	3.56E-04	3.15E-14	2.44E-06	2.39E-09	6.24E-01	3.06E-06
621.43039	237.5	15.86	16.75	17.51	17.56	2.13E-13	7.02E-04	2.70E-11	3.22E-11	6.65E-03	4.60E-03	9.96E-01
621.73691	58.23	14.01	11.06	14.68	14.01	1.02E-28	3.80E-14	8.49E-02	1.00E+00	5.33E-15	4.11E-14	1.09E-01
621.79194	46.35	13.44	13.22	12.98	13.58	1.92E-01	8.62E-01	3.46E-01	9.67E-01	8.32E-01	6.31E-01	1.80E-01
621.83092	43.28	13.43	14.64	14.10	14.71	2.10E-04	9.21E-04	1.44E-01	5.86E-04	3.34E-01	9.97E-01	2.50E-01
621.84983	45.42	13.24	16.69	16.58	16.55	1.58E-28	1.98E-14	2.71E-14	3.71E-14	9.85E-01	9.74E-01	1.00E+00
621.93231	37.73	12.47	16.47	16.59	15.29	1.19E-67	5.11E-15	5.11E-15	5.11E-15	9.13E-01	1.04E-08	2.07E-10
622.27702	200.81	17.62	18.03	18.24	17.72	9.61E-06	1.11E-02	1.58E-05	8.83E-01	3.66E-01	1.16E-01	9.04E-04
622.30056	162.57	17.59	16.04	16.07	16.68	4.01E-23	4.06E-14	4.15E-14	1.03E-07	9.97E-01	3.80E-04	7.44E-04
622.33433	204.4	20.28	17.76	18.26	16.60	7.49E-48	5.11E-15	2.91E-14	5.11E-15	4.35E-02	1.01E-07	6.49E-14
622.37321	189.02	9.88	12.46	12.71	12.14	8.48E-05	8.92E-04	1.82E-04	6.46E-03	9.84E-01	9.69E-01	8.52E-01
622.43373	237.45	13.22	13.09	14.25	14.38	4.47E-06	9.75E-01	2.36E-03	7.74E-04	7.72E-04	2.48E-04	9.75E-01
622.71957	58.8	15.82	12.00	16.11	16.34	3.49E-41	5.11E-15	7.12E-01	2.60E-01	5.11E-15	5.11E-15	8.57E-01
622.74119	58.75	12.94	7.17	10.02	9.65	8.10E-17	4.42E-14	7.44E-06	9.21E-07	2.38E-05	5.35E-04	9.33E-01
622.76262	65.25	15.26	11.16	14.80	14.50	8.53E-27	7.77E-15	5.34E-01	1.43E-01	4.09E-14	4.42E-14	8.42E-01
622.78397	41.72	20.86	22.50	22.49	22.32	6.93E-44	5.11E-15	5.11E-15	5.11E-15	1.00E+00	3.82E-01	4.11E-01
622.82415	44.99	15.73	14.64	16.17	16.54	4.71E-08	1.94E-03	4.51E-01	4.66E-02	6.89E-06	5.02E-08	6.51E-01
622.84462	45.31	14.21	16.72	17.33	17.15	4.59E-21	1.18E-12	4.32E-14	4.41E-14	2.34E-01	5.63E-01	9.51E-01
622.94643	62.71	11.17	13.99	10.00	10.22	1.86E-45	5.77E-15	2.87E-06	4.34E-04	5.11E-15	5.11E-15	7.76E-01
623.26095	155.74	18.14	17.63	18.33	18.34	5.04E-06	2.75E-03	5.43E-01	5.27E-01	2.06E-05	3.04E-05	1.00E+00
623.28033	201.14	15.27	14.92	15.40	14.85	7.16E-02	4.38E-01	9.49E-01	2.98E-01	1.92E-01	9.92E-01	1.17E-01
623.31758	176.21	15.25	15.21	16.52	14.29	3.01E-08	9.99E-01	7.96E-04	2.65E-02	7.84E-04	4.45E-02	4.38E-09

623.33881	203.39	17.83	13.87	14.71	11.95	1.41E-35	3.64E-14	6.47E-14	5.11E-15	1.25E-01	1.05E-05	9.97E-11
623.41705	183.49	13.04	13.41	12.44	11.37	5.13E-04	8.58E-01	5.84E-01	4.28E-03	1.88E-01	3.84E-04	1.43E-01
623.75229	54.39	14.48	16.00	16.40	15.91	1.94E-23	4.49E-14	2.22E-14	3.66E-13	1.10E-01	9.61E-01	3.72E-02
623.78707	48.87	17.02	18.82	18.87	18.68	2.77E-49	5.11E-15	5.11E-15	5.11E-15	9.63E-01	5.84E-01	3.00E-01
623.94704	48.01	11.12	12.82	12.36	11.19	5.35E-14	2.35E-11	1.02E-06	9.91E-01	2.08E-01	1.15E-09	1.52E-05
624.06685	22.96	17.32	17.31	16.62	16.34	1.76E-02	1.00E+00	2.03E-01	4.20E-02	2.43E-01	5.59E-02	8.80E-01
624.26416	164.33	16.44	15.71	16.50	16.52	7.29E-08	6.97E-06	9.78E-01	9.44E-01	1.76E-06	1.81E-06	9.98E-01
624.29296	214.82	19.01	16.08	16.54	15.21	6.01E-25	4.26E-14	1.18E-12	1.15E-14	4.82E-01	4.77E-02	4.55E-04
624.31573	179.7	13.47	16.46	17.21	13.27	7.03E-32	4.31E-14	1.51E-14	9.41E-01	1.15E-01	4.17E-14	1.58E-14
624.35285	199.4	13.49	14.65	15.39	14.26	2.07E-04	3.61E-02	6.24E-05	2.95E-01	3.16E-01	8.27E-01	5.63E-02
624.38911	194.45	13.87	13.54	13.66	13.07	2.17E-01	8.11E-01	9.40E-01	1.58E-01	9.89E-01	6.30E-01	4.31E-01
624.42505	189.38	14.34	13.58	13.94	13.08	7.51E-05	2.16E-02	4.22E-01	3.31E-05	5.31E-01	2.83E-01	1.10E-02
624.72097	54.43	18.92	18.67	19.69	19.37	3.16E-27	1.88E-02	4.24E-14	1.04E-06	7.11E-15	3.77E-13	1.74E-03
624.75289	53.53	14.54	15.10	15.48	15.09	1.11E-05	1.06E-02	2.33E-06	1.80E-02	1.87E-01	1.00E+00	1.71E-01
624.782	47.64	19.40	20.68	20.75	20.58	9.29E-42	5.11E-15	5.11E-15	5.11E-15	8.57E-01	7.51E-01	2.85E-01
624.81677	37.7	12.89	13.04	12.92	13.00	9.46E-01	9.47E-01	1.00E+00	9.82E-01	9.71E-01	9.99E-01	9.93E-01
624.83528	44.6	14.83	16.24	16.64	16.76	6.37E-22	1.12E-11	4.37E-14	4.13E-14	1.78E-01	4.93E-02	9.22E-01
624.95764	145.71	8.26	7.98	8.82	11.89	2.70E-29	7.86E-01	2.40E-01	9.55E-15	3.33E-02	5.77E-15	4.25E-14
625.06858	24.03	14.15	13.49	14.09	13.91	4.90E-01	4.74E-01	9.99E-01	9.57E-01	5.72E-01	8.18E-01	9.82E-01
625.1878	54.01	11.61	18.86	11.31	11.03	1.59E-70	5.11E-15	7.69E-01	2.85E-01	5.11E-15	5.11E-15	8.39E-01
625.27418	161.03	16.17	15.33	15.67	15.37	3.64E-07	1.33E-06	8.60E-03	9.59E-06	1.45E-01	9.93E-01	2.72E-01
625.29647	198.53	16.69	14.00	14.42	13.46	1.75E-37	5.11E-15	3.13E-14	5.11E-15	1.92E-01	8.08E-02	1.14E-04
625.32024	168.2	9.45	13.63	14.64	10.33	3.28E-32	4.13E-14	5.33E-15	1.55E-01	7.81E-02	4.78E-12	4.35E-14
625.33645	175.73	14.50	11.04	13.78	13.10	5.82E-24	1.09E-14	7.35E-02	4.51E-05	4.32E-14	1.59E-09	1.29E-01
625.72492	62.87	14.91	12.38	16.11	15.58	6.80E-42	1.38E-14	4.60E-07	1.50E-02	5.11E-15	5.11E-15	9.95E-02
625.75717	53.44	12.83	14.09	13.77	14.06	5.87E-06	2.44E-05	2.74E-03	6.86E-05	6.32E-01	9.99E-01	7.20E-01
625.7847	50.11	14.66	15.78	15.75	15.64	3.22E-26	3.02E-14	3.40E-14	4.21E-14	9.93E-01	5.81E-01	7.38E-01
625.79887	45.13	12.38	17.53	16.76	16.87	1.24E-30	5.33E-15	3.26E-14	3.33E-14	2.49E-01	4.21E-01	9.93E-01
625.87595	35.5	11.03	13.23	12.52	12.34	1.29E-03	5.38E-04	3.62E-02	9.95E-02	5.83E-01	4.22E-01	9.90E-01
626.08494	24.21	16.05	15.83	16.32	15.67	1.37E-01	8.65E-01	7.50E-01	5.54E-01	3.10E-01	9.48E-01	1.17E-01
626.18914	63.81	11.24	13.51	9.71	10.33	4.01E-77	5.11E-15	8.88E-15	5.03E-10	5.11E-15	5.11E-15	4.86E-05
626.34702	207.61	21.14	21.25	21.54	21.21	1.19E-02	8.33E-01	8.81E-03	9.56E-01	1.09E-01	9.90E-01	6.00E-02
626.65807	72.05	11.60	10.89	11.24	11.01	5.26E-02	4.55E-02	5.35E-01	1.46E-01	5.85E-01	9.76E-01	8.45E-01
626.68213	67.96	10.49	10.35	11.90	10.74	2.76E-02	9.93E-01	5.25E-02	9.72E-01	3.20E-02	9.05E-01	1.90E-01
626.71903	64.9	17.13	16.53	17.81	17.44	8.02E-31	1.08E-09	4.53E-12	4.65E-03	5.11E-15	4.37E-14	7.45E-04
626.73646	54.13	19.59	19.83	20.51	20.22	2.80E-31	2.38E-03	5.11E-15	4.26E-14	4.32E-14	9.94E-07	6.28E-04
626.77838	45.64	14.81	14.16	14.40	14.50	1.31E-06	2.72E-07	2.24E-03	4.80E-02	1.69E-01	2.55E-02	8.30E-01
626.79519	46.34	17.00	18.90	19.04	18.97	1.56E-53	5.11E-15	5.11E-15	5.11E-15	6.11E-01	9.49E-01	9.15E-01
626.81213	38.52	13.12	13.95	14.69	14.70	3.59E-09	1.06E-02	5.76E-08	1.33E-07	3.48E-02	3.92E-02	1.00E+00
626.83053	36.63	12.67	11.90	12.68	12.50	1.37E-01	1.58E-01	1.00E+00	9.68E-01	1.69E-01	4.13E-01	9.69E-01
626.85413	43.7	15.56	14.47	14.10	15.06	1.30E-03	2.64E-02	1.02E-03	5.84E-01	7.87E-01	4.74E-01	8.68E-02
626.99956	52.76	12.52	13.32	10.53	11.19	1.51E-74	1.56E-12	5.11E-15	5.33E-15	5.11E-15	5.11E-15	2.15E-08
627.1239	67.66	11.84	12.76	10.00	10.58	4.07E-66	2.09E-13	5.11E-15	3.24E-14	5.11E-15	5.11E-15	1.23E-05
627.29274	170.08	13.29	11.26	11.14	11.53	4.69E-09	4.13E-07	5.08E-08	2.52E-05	9.86E-01	8.95E-01	7.23E-01
627.35041	203.49	19.55	19.59	19.94	19.59	1.27E-02	9.91E-01	1.60E-02	9.92E-01	4.67E-02	1.00E+00	5.45E-02

627.73885	60.27	15.32	13.42	16.19	15.92	1.71E-28	4.61E-14	3.82E-04	3.77E-02	5.33E-15	3.02E-14	6.22E-01
627.77644	39.83	14.91	16.03	15.51	15.38	7.08E-09	7.54E-10	1.90E-03	3.46E-02	1.23E-02	1.28E-03	8.66E-01
627.80121	39.76	13.92	13.10	13.08	13.74	9.10E-07	5.48E-05	2.64E-05	7.66E-01	9.99E-01	5.10E-03	3.11E-03
628.17677	18.48	10.94	13.39	13.17	11.96	3.72E-16	8.17E-14	2.60E-12	4.51E-03	8.86E-01	3.46E-05	5.53E-04
628.32606	185.5	16.24	16.44	16.40	16.55	5.56E-01	7.86E-01	8.82E-01	4.86E-01	9.97E-01	9.59E-01	8.97E-01
628.35843	216.53	19.51	19.65	19.70	19.17	2.87E-02	8.69E-01	7.30E-01	2.43E-01	9.94E-01	5.55E-02	2.72E-02
628.67537	61.71	13.28	11.13	12.27	12.44	9.31E-17	4.43E-14	3.46E-05	1.36E-03	5.30E-06	3.40E-07	8.83E-01
628.73339	46.91	18.57	18.25	19.18	18.99	3.04E-23	6.90E-04	2.72E-11	1.48E-05	2.91E-14	7.37E-14	1.29E-01
628.77044	37.48	13.77	14.18	13.37	14.01	9.65E-04	1.76E-01	1.89E-01	6.57E-01	6.10E-04	8.48E-01	1.45E-02
628.79223	47.1	15.61	16.51	16.89	16.76	1.32E-27	6.63E-14	6.88E-15	3.91E-14	3.52E-03	1.31E-01	6.39E-01
628.81256	43.32	17.97	18.93	18.47	18.85	2.88E-11	2.70E-10	1.77E-03	1.24E-08	7.51E-03	9.61E-01	4.10E-02
628.83268	47.33	14.18	15.87	16.50	16.01	4.99E-19	8.12E-11	4.44E-14	8.92E-12	4.99E-02	9.50E-01	1.97E-01
628.84054	37.24	13.00	13.38	12.81	12.57	2.56E-02	4.63E-01	8.67E-01	3.51E-01	1.32E-01	1.61E-02	8.10E-01
628.95431	55.55	11.64	18.80	11.31	11.08	2.78E-66	5.11E-15	7.41E-01	3.68E-01	5.11E-15	5.11E-15	9.22E-01
629.13577	18.06	17.32	18.44	18.56	18.38	2.43E-14	1.78E-10	1.43E-12	3.30E-09	8.90E-01	9.88E-01	7.34E-01
629.32915	170.76	13.78	13.81	14.15	14.28	3.55E-01	1.00E+00	6.64E-01	4.30E-01	7.40E-01	5.09E-01	9.77E-01
629.36626	215.18	17.65	17.87	17.68	17.13	1.64E-03	6.11E-01	9.98E-01	2.97E-02	7.31E-01	8.23E-04	2.15E-02
629.4556	234.01	19.60	17.95	18.74	19.47	4.08E-20	4.35E-14	2.70E-06	8.76E-01	3.53E-05	5.08E-14	2.36E-04
629.72408	57.95	13.48	10.63	12.98	12.52	3.65E-20	4.04E-14	2.58E-01	4.34E-03	8.06E-14	2.74E-09	3.81E-01
629.73793	61.04	14.04	11.41	12.71	13.14	4.69E-26	5.33E-15	3.17E-09	1.92E-04	2.08E-08	6.75E-13	1.92E-01
629.77668	48.91	12.99	12.85	12.93	13.12	7.11E-01	9.17E-01	9.94E-01	9.45E-01	9.81E-01	6.57E-01	8.57E-01
629.96543	60.3	11.01	15.30	10.39	10.61	3.65E-52	5.11E-15	7.70E-02	4.33E-01	5.11E-15	5.11E-15	8.51E-01
630.11872	18.18	14.48	14.80	13.30	13.81	6.92E-05	7.69E-01	2.39E-03	2.12E-01	9.08E-05	2.76E-02	4.52E-01
630.13748	17.8	14.61	15.67	15.60	16.07	5.72E-10	5.08E-06	1.96E-05	5.06E-10	9.87E-01	2.60E-01	1.33E-01
630.24324	173.39	12.74	11.69	13.06	13.01	2.82E-03	3.94E-02	8.42E-01	9.13E-01	4.02E-03	9.10E-03	9.99E-01
630.30288	190.71	15.34	14.83	14.92	15.07	9.63E-02	8.41E-02	2.05E-01	6.06E-01	9.74E-01	7.17E-01	9.15E-01
630.34201	199.99	14.84	14.76	14.22	14.20	1.48E-01	9.96E-01	2.80E-01	2.85E-01	4.31E-01	4.32E-01	1.00E+00
630.37921	233.99	18.95	14.13	11.08	14.80	1.66E-42	3.02E-14	5.11E-15	4.30E-14	6.72E-10	4.82E-01	3.52E-13
630.45921	233.99	17.95	15.97	16.94	17.86	6.00E-16	6.52E-14	1.15E-04	9.82E-01	3.66E-04	3.09E-12	1.20E-03
630.66983	70.07	12.45	10.14	11.88	12.08	1.46E-12	2.02E-12	2.19E-01	6.24E-01	2.01E-07	1.87E-08	9.17E-01
630.72964	55.56	16.14	14.78	15.97	16.13	2.74E-17	4.86E-14	6.85E-01	1.00E+00	1.30E-11	1.77E-13	7.55E-01
630.75344	47.25	15.17	11.04	12.05	12.78	1.05E-13	1.21E-13	8.98E-09	3.19E-05	1.98E-01	6.02E-03	4.99E-01
630.77065	54.96	17.84	17.88	18.94	18.78	8.99E-25	9.83E-01	4.32E-14	2.13E-13	4.44E-14	5.86E-12	5.16E-01
630.78975	51.74	12.48	12.72	13.51	13.66	4.39E-03	9.19E-01	2.97E-02	1.28E-02	1.65E-01	8.40E-02	9.82E-01
630.81037	49.27	15.28	14.48	14.34	15.18	5.21E-04	1.58E-02	2.41E-03	9.81E-01	9.51E-01	6.66E-02	1.51E-02
630.82864	41.48	17.10	19.99	19.54	19.55	6.52E-26	1.60E-14	4.14E-14	4.37E-14	3.00E-01	3.45E-01	1.00E+00
631.14043	22.55	18.26	18.77	18.61	17.90	3.89E-02	3.41E-01	6.46E-01	6.63E-01	9.59E-01	3.74E-02	1.18E-01
631.34554	182.89	8.71	12.20	10.88	9.28	4.28E-07	6.95E-07	3.94E-03	8.20E-01	1.78E-01	1.24E-04	8.05E-02
631.38284	224.53	16.84	11.82	11.14	11.86	1.94E-62	5.11E-15	5.11E-15	5.11E-15	5.59E-02	9.99E-01	4.90E-02
631.39078	134.57	13.87	9.15	9.46	10.70	5.64E-16	7.73E-14	7.51E-13	6.19E-07	9.48E-01	4.73E-02	1.56E-01
631.47315	232.83	19.57	18.96	19.81	19.83	1.61E-10	1.93E-05	2.48E-01	2.13E-01	3.40E-09	5.03E-09	9.99E-01
631.7394	56.16	14.87	15.29	16.52	16.14	1.72E-29	9.97E-03	5.33E-15	4.43E-14	4.33E-14	2.84E-08	3.08E-02
631.7728	55.01	13.69	13.10	13.60	13.60	8.45E-02	7.94E-02	9.84E-01	9.84E-01	1.90E-01	2.20E-01	1.00E+00
631.8316	42.13	12.48	15.12	14.10	14.37	6.28E-08	2.29E-08	1.05E-03	1.49E-04	9.62E-02	3.61E-01	9.27E-01
631.86771	36.77	13.91	15.35	15.77	14.70	2.08E-08	2.36E-05	1.79E-08	5.80E-02	5.21E-01	1.82E-01	4.80E-03

632.14324	23.21	15.05	14.93	14.30	13.79	2.93E-02	9.93E-01	3.35E-01	3.46E-02	5.24E-01	8.19E-02	7.02E-01
632.17371	77.39	9.27	5.11	5.42	13.85	7.60E-25	7.43E-07	4.05E-06	9.02E-08	9.80E-01	3.02E-14	3.84E-14
632.31894	207.49	19.87	20.42	20.14	20.38	3.15E-05	6.94E-05	1.29E-01	4.15E-04	1.09E-01	9.89E-01	2.32E-01
632.35757	204.84	17.53	18.82	19.02	18.44	4.01E-15	3.95E-11	6.91E-14	8.16E-06	6.96E-01	1.72E-01	1.05E-02
632.47693	231.56	17.87	17.57	18.53	18.53	2.61E-07	3.85E-01	2.69E-03	4.29E-03	6.92E-06	1.55E-05	1.00E+00
632.68662	71.11	13.82	11.54	12.89	12.71	1.52E-10	1.15E-11	1.24E-02	2.56E-03	1.34E-04	2.09E-03	9.39E-01
632.70907	65.35	12.58	7.45	13.06	13.13	1.30E-37	5.11E-15	6.04E-01	5.21E-01	5.11E-15	5.11E-15	9.98E-01
632.72879	55.73	17.27	17.20	18.59	18.31	1.85E-21	9.66E-01	4.34E-14	9.48E-10	4.29E-14	2.12E-10	2.73E-01
632.76604	44.87	17.57	17.29	17.92	17.86	1.28E-13	2.99E-03	9.55E-05	2.11E-03	2.42E-12	4.49E-10	9.22E-01
632.81962	40.78	14.92	16.86	16.49	16.35	1.06E-09	2.12E-09	1.25E-06	2.48E-05	6.04E-01	3.59E-01	9.70E-01
632.89991	44.99	13.86	12.79	13.45	13.66	1.69E-02	1.08E-02	6.31E-01	9.46E-01	2.30E-01	7.51E-02	9.35E-01
633.10996	66.75	11.64	13.30	9.69	10.52	4.61E-49	4.26E-14	3.42E-14	7.11E-08	5.11E-15	5.11E-15	1.13E-04
633.12693	129.24	10.40	13.15	13.15	13.76	3.37E-15	3.93E-10	2.77E-10	1.85E-13	1.00E+00	4.74E-01	4.64E-01
633.12711	29.2	17.12	19.06	18.66	19.22	1.88E-22	4.32E-14	2.64E-12	4.06E-14	2.02E-01	8.80E-01	4.05E-02
633.32222	212.29	17.97	18.43	18.09	18.40	1.23E-02	2.52E-02	8.82E-01	5.48E-02	1.67E-01	9.97E-01	2.73E-01
633.36104	207.03	15.52	16.54	16.83	16.24	5.99E-07	1.33E-04	3.43E-07	1.66E-02	6.19E-01	6.26E-01	8.09E-02
633.5105	240.04	19.85	20.00	20.16	20.09	7.85E-01	9.67E-01	7.55E-01	8.85E-01	9.57E-01	9.93E-01	9.96E-01
633.7173	62	12.63	10.42	12.95	11.95	8.24E-27	3.42E-14	3.85E-01	8.86E-03	7.33E-15	1.29E-10	3.60E-05
633.73872	57.37	14.18	13.29	14.90	14.72	1.23E-10	7.28E-04	8.94E-03	1.01E-01	2.99E-10	6.67E-08	8.73E-01
633.78555	46.57	14.42	17.86	17.37	17.25	6.55E-37	5.11E-15	5.33E-15	1.15E-14	1.88E-01	7.19E-02	9.58E-01
633.80661	40.1	15.93	15.75	16.08	15.20	1.13E-02	9.02E-01	9.43E-01	3.46E-02	6.14E-01	1.91E-01	8.27E-03
633.88974	54.49	11.84	12.45	14.65	14.07	1.59E-22	1.20E-01	3.93E-14	7.91E-13	1.11E-12	4.05E-07	1.82E-01
634.13048	20.63	13.38	15.50	15.12	16.59	1.87E-13	2.65E-07	2.90E-05	8.86E-14	7.44E-01	3.21E-02	1.23E-03
634.28718	47.16	12.64	13.45	13.06	13.11	4.41E-05	9.04E-06	5.41E-02	3.04E-02	8.79E-02	1.96E-01	9.91E-01
634.33328	200.31	17.02	15.78	16.68	15.11	1.66E-17	3.38E-08	3.43E-01	4.26E-14	1.35E-04	1.26E-02	2.74E-11
634.37322	191.47	12.00	13.35	14.69	13.03	2.65E-05	5.86E-02	5.23E-06	2.42E-01	7.32E-02	9.40E-01	1.81E-02
634.49304	242.72	16.76	16.88	17.61	17.30	4.89E-03	9.71E-01	5.81E-03	1.82E-01	2.92E-02	4.08E-01	6.56E-01
634.51446	240.24	18.03	18.53	18.64	18.63	1.88E-01	4.11E-01	2.27E-01	2.67E-01	9.87E-01	9.90E-01	1.00E+00
634.70557	73.83	14.52	11.92	14.01	13.29	2.83E-20	4.00E-14	1.71E-01	1.61E-05	1.41E-13	2.61E-06	3.00E-02
634.72718	56.32	16.08	15.87	17.30	17.02	3.65E-19	5.64E-01	1.47E-12	1.26E-07	4.40E-14	3.48E-10	3.33E-01
634.75544	50.03	14.80	13.64	14.55	14.31	1.12E-08	4.59E-09	5.12E-01	4.21E-02	8.25E-06	2.95E-03	5.68E-01
634.76439	47.74	13.54	12.51	12.93	13.45	4.71E-03	5.94E-03	1.97E-01	9.91E-01	5.52E-01	2.44E-02	3.87E-01
634.78582	46.47	13.74	16.82	16.25	16.24	5.63E-29	5.33E-15	4.26E-14	4.42E-14	9.96E-02	1.12E-01	1.00E+00
634.8173	35.82	11.98	12.63	13.17	12.70	1.18E-02	2.64E-01	4.93E-03	2.01E-01	4.51E-01	9.98E-01	5.94E-01
634.84095	43.43	15.34	15.88	15.93	16.09	1.64E-02	1.22E-01	6.94E-02	1.57E-02	9.96E-01	8.44E-01	9.26E-01
634.86202	39.47	16.77	19.24	19.29	19.25	1.49E-28	2.91E-14	1.98E-14	3.35E-14	9.98E-01	1.00E+00	9.99E-01
634.96543	59.33	11.65	15.15	9.85	10.57	1.42E-80	5.11E-15	3.89E-14	5.16E-08	5.11E-15	5.11E-15	7.07E-04
635.01468	23.4	10.93	11.92	12.23	11.69	7.49E-10	3.13E-06	3.75E-10	8.54E-04	3.75E-01	6.61E-01	3.47E-02
635.22233	163.74	13.37	13.24	14.11	12.84	5.05E-04	9.71E-01	5.02E-02	2.72E-01	1.86E-02	5.38E-01	2.05E-04
635.33795	190.11	14.58	12.73	13.92	12.29	1.11E-09	2.64E-06	2.39E-01	1.05E-08	6.68E-03	6.41E-01	1.06E-04
635.52518	249.47	20.18	19.52	19.49	19.82	3.11E-02	5.82E-02	4.08E-02	5.43E-01	1.00E+00	6.89E-01	6.17E-01
635.76169	50.83	12.34	15.32	14.30	14.06	6.38E-14	5.44E-14	2.08E-07	1.44E-05	2.46E-02	4.16E-03	9.09E-01
635.78954	39.21	12.42	13.01	12.75	13.65	3.83E-11	1.44E-03	1.50E-01	7.91E-12	3.88E-01	1.08E-03	1.15E-06
635.83606	39.91	13.76	14.77	14.11	14.85	4.05E-04	3.05E-03	6.17E-01	1.59E-03	1.12E-01	9.93E-01	6.78E-02
635.86367	38.57	12.68	12.43	12.41	12.61	5.72E-01	6.87E-01	6.26E-01	9.90E-01	1.00E+00	8.79E-01	8.38E-01

635.914	60.16	15.60	12.22	15.71	16.00	2.73E-44	5.11E-15	9.59E-01	3.14E-01	5.11E-15	5.11E-15	6.17E-01
636.29265	200.33	15.54	14.66	15.17	14.60	7.21E-04	3.42E-03	4.70E-01	2.20E-03	1.92E-01	9.97E-01	1.38E-01
636.35066	212.32	18.53	19.93	19.02	19.71	3.27E-11	2.23E-10	6.48E-02	2.21E-07	9.36E-05	7.18E-01	7.42E-03
636.38879	193.27	12.98	14.95	15.24	12.97	5.94E-10	1.50E-05	3.80E-07	1.00E+00	8.96E-01	4.13E-05	1.47E-06
636.52568	250.54	18.80	18.01	18.10	18.48	1.93E-02	2.43E-02	5.50E-02	6.70E-01	9.89E-01	3.78E-01	5.60E-01
636.72518	49.73	14.37	11.40	12.51	13.02	6.94E-25	6.00E-15	1.77E-12	7.70E-07	6.68E-05	7.82E-09	1.88E-01
636.75996	48.65	13.99	15.21	14.10	14.77	3.39E-06	1.25E-05	9.72E-01	1.49E-02	1.23E-04	3.37E-01	5.55E-02
636.77559	42.82	15.11	15.64	15.96	15.42	9.33E-09	3.76E-04	2.38E-09	9.57E-02	8.60E-02	3.81E-01	6.66E-04
636.79947	48.83	18.56	19.19	19.20	19.24	3.79E-16	8.53E-12	4.26E-12	8.35E-13	1.00E+00	9.44E-01	9.53E-01
636.82041	47.14	18.55	21.16	21.24	21.03	5.50E-41	5.11E-15	5.11E-15	5.11E-15	9.74E-01	9.01E-01	6.81E-01
636.83792	19.31	12.33	9.42	8.92	15.83	3.37E-36	7.20E-09	9.42E-12	1.36E-11	7.17E-01	5.11E-15	5.11E-15
636.85923	41.74	14.16	15.65	15.13	15.99	2.44E-08	6.00E-06	5.53E-03	3.72E-08	3.29E-01	6.81E-01	3.01E-02
636.89932	64.94	10.67	15.56	9.26	9.69	1.75E-126	5.11E-15	1.62E-14	3.10E-12	5.11E-15	5.11E-15	6.98E-03
636.90888	58.78	13.39	15.06	11.42	12.12	1.31E-94	5.11E-15	5.11E-15	5.77E-15	5.11E-15	5.11E-15	1.53E-09
637.27686	165.54	14.14	11.59	11.72	12.66	1.53E-21	4.34E-14	4.31E-14	2.78E-07	9.51E-01	5.20E-04	3.12E-03
637.35392	206.48	16.85	17.51	16.40	17.89	4.85E-11	7.60E-03	1.16E-01	9.38E-06	1.35E-06	3.09E-01	2.29E-10
637.37289	185.75	13.33	15.74	16.40	14.02	2.26E-17	3.45E-10	4.37E-14	2.20E-01	2.57E-01	3.25E-05	3.27E-09
637.39506	176	11.90	12.32	12.70	10.89	1.09E-04	6.82E-01	1.44E-01	5.31E-02	7.58E-01	2.63E-03	5.40E-05
637.53973	262.81	19.05	19.02	18.91	19.33	6.24E-01	1.00E+00	9.71E-01	8.08E-01	9.85E-01	7.80E-01	5.66E-01
637.76777	53.5	12.57	12.66	12.95	13.22	1.84E-01	9.91E-01	6.02E-01	1.81E-01	7.95E-01	3.28E-01	8.48E-01
637.80528	45.44	14.82	16.20	15.32	15.99	2.76E-11	1.96E-10	5.13E-02	1.52E-07	1.24E-04	7.48E-01	7.78E-03
637.82414	41.07	14.45	17.27	17.32	17.16	2.51E-34	5.33E-15	5.11E-15	1.02E-14	9.96E-01	9.60E-01	8.94E-01
637.90652	33.75	11.52	13.43	13.66	13.06	1.28E-09	2.75E-07	5.24E-09	8.22E-05	9.07E-01	7.23E-01	3.20E-01
638.30872	201.83	18.16	13.19	14.99	11.70	1.07E-44	5.11E-15	4.26E-14	5.11E-15	8.82E-06	5.93E-04	4.53E-14
638.33272	176.82	12.38	15.22	15.84	11.28	7.10E-25	4.75E-10	7.68E-14	5.17E-02	4.65E-01	4.40E-14	3.92E-14
638.36933	192.62	11.65	15.04	16.02	12.50	7.37E-14	7.49E-08	2.92E-12	4.69E-01	3.42E-01	2.29E-04	9.98E-08
638.54546	265.53	16.48	16.55	16.66	17.17	4.50E-01	9.98E-01	9.78E-01	4.24E-01	9.96E-01	5.47E-01	6.81E-01
638.73299	69.37	15.98	13.92	16.07	15.88	1.23E-45	5.11E-15	9.01E-01	8.59E-01	5.11E-15	5.11E-15	4.83E-01
638.75793	52.13	20.93	22.04	22.35	22.12	3.08E-50	5.11E-15	5.11E-15	5.11E-15	4.26E-04	7.07E-01	2.38E-02
638.77833	42.58	14.05	13.78	13.19	13.76	7.66E-03	7.04E-01	3.48E-03	6.79E-01	9.79E-02	1.00E+00	1.29E-01
638.79777	49.19	16.54	17.01	17.02	17.14	2.00E-07	7.27E-05	4.84E-05	5.84E-07	1.00E+00	6.75E-01	7.00E-01
638.81941	46.18	15.87	18.64	18.83	18.62	2.42E-37	5.11E-15	5.11E-15	5.33E-15	8.27E-01	1.00E+00	7.99E-01
638.90031	69.12	11.90	12.62	9.99	10.56	8.94E-64	5.47E-09	5.11E-15	1.64E-14	5.11E-15	5.11E-15	1.53E-05
638.92196	63.51	11.33	13.89	10.38	9.78	3.14E-21	6.22E-10	5.72E-02	5.00E-04	4.42E-14	3.91E-14	4.26E-01
639.23476	155.67	15.87	16.60	17.51	16.76	3.43E-20	1.67E-05	2.89E-14	1.98E-07	8.39E-08	7.42E-01	2.40E-05
639.27693	155.29	15.92	15.45	15.77	15.48	2.13E-01	2.65E-01	9.34E-01	3.35E-01	6.21E-01	1.00E+00	6.97E-01
639.31194	222.54	15.08	8.12	8.79	7.40	1.65E-40	5.11E-15	5.33E-15	5.11E-15	5.50E-01	5.14E-01	3.93E-02
639.55695	282.15	18.27	18.41	18.61	18.95	1.51E-02	9.15E-01	3.65E-01	9.89E-03	7.82E-01	7.11E-02	4.09E-01
639.72645	57.9	13.76	14.31	16.43	15.91	6.92E-17	3.00E-01	5.37E-14	1.18E-09	1.71E-09	1.49E-05	3.96E-01
639.76113	52.64	17.07	18.24	18.66	18.38	1.46E-42	6.00E-15	5.11E-15	5.11E-15	1.81E-04	5.30E-01	2.96E-02
639.8215	45.81	13.10	14.00	13.96	14.18	1.32E-04	2.58E-03	3.83E-03	2.55E-04	9.99E-01	9.03E-01	8.40E-01
639.91968	42.88	12.16	13.19	13.13	12.56	3.90E-06	2.37E-05	6.43E-05	2.78E-01	9.93E-01	3.37E-02	6.25E-02
640.07181	22.44	13.15	15.66	15.22	14.37	2.68E-09	4.76E-09	1.31E-06	1.42E-02	6.87E-01	1.03E-02	1.60E-01
640.23827	155.69	12.83	13.58	15.36	14.44	5.13E-16	4.08E-02	4.34E-14	4.05E-07	1.60E-08	2.08E-02	1.09E-02
640.28076	155.95	12.96	11.50	12.06	11.79	5.44E-06	3.95E-06	9.27E-03	4.81E-04	2.15E-01	7.76E-01	7.90E-01

640.31238	168.48	8.75	14.35	15.14	8.03	1.52E-27	6.42E-14	4.40E-14	7.17E-01	6.45E-01	4.23E-14	4.11E-14
640.32463	214.14	11.90	14.75	14.28	12.54	1.17E-13	1.14E-11	9.68E-09	3.67E-01	6.26E-01	6.33E-07	1.12E-04
640.36216	212.41	15.38	13.23	12.67	12.64	2.41E-08	9.10E-05	3.44E-07	7.39E-07	6.75E-01	6.73E-01	1.00E+00
640.56082	282.06	16.26	16.09	16.60	17.12	2.41E-02	9.57E-01	7.39E-01	6.40E-02	4.47E-01	2.09E-02	4.52E-01
640.69498	64.1	17.94	17.88	19.06	18.66	1.03E-21	9.49E-01	4.37E-14	1.66E-07	4.43E-14	2.57E-08	8.45E-03
640.71273	73.64	13.71	11.52	12.79	12.65	5.06E-23	8.66E-15	5.78E-06	4.34E-07	7.60E-10	1.09E-07	8.99E-01
640.72764	62.03	15.06	13.73	16.40	15.78	6.40E-27	6.48E-09	2.71E-09	4.45E-03	5.33E-15	4.40E-14	2.46E-02
640.75588	52.23	19.65	20.53	20.92	20.72	7.18E-50	5.11E-15	5.11E-15	5.11E-15	2.72E-07	3.35E-02	3.11E-02
640.78004	49.99	12.43	12.22	12.88	13.19	2.20E-02	9.17E-01	4.90E-01	1.03E-01	1.89E-01	2.51E-02	8.00E-01
640.80481	45.07	15.68	16.30	16.62	16.78	1.42E-11	2.98E-04	9.21E-09	8.38E-11	1.65E-01	1.48E-02	7.35E-01
640.9937	24.9	15.79	14.59	14.58	14.60	2.17E-03	9.19E-03	7.81E-03	1.22E-02	1.00E+00	1.00E+00	1.00E+00
641.16371	63.81	15.60	19.71	14.68	14.92	7.48E-141	5.11E-15	3.26E-14	5.03E-12	5.11E-15	5.11E-15	3.20E-02
641.25072	162.25	12.53	12.08	13.57	11.71	5.22E-07	5.00E-01	6.50E-03	6.48E-02	4.98E-05	6.96E-01	4.90E-07
641.57246	294.5	13.56	15.66	16.53	15.62	2.23E-12	6.03E-07	1.08E-12	2.16E-06	1.18E-01	9.99E-01	1.03E-01
641.5771	20.3	8.28	13.16	13.74	13.10	7.77E-25	4.32E-14	3.06E-14	4.25E-14	6.69E-01	1.00E+00	6.22E-01
641.69627	65.7	13.10	10.88	12.21	11.98	4.51E-20	3.09E-14	1.02E-04	1.53E-06	5.70E-09	3.66E-06	7.16E-01
641.72986	58.13	13.36	12.54	15.33	14.84	2.10E-17	4.27E-02	4.07E-09	2.93E-05	4.34E-14	1.25E-10	4.27E-01
641.7592	54.76	15.12	15.19	15.93	15.82	1.11E-23	8.45E-01	4.42E-14	1.76E-13	4.97E-14	6.17E-11	6.16E-01
641.77323	47.58	14.58	17.53	17.15	16.96	1.19E-40	5.11E-15	5.11E-15	6.00E-15	1.89E-01	2.36E-02	7.88E-01
641.85103	37.53	12.19	13.85	13.53	13.17	1.36E-03	1.03E-03	1.17E-02	1.26E-01	8.87E-01	4.58E-01	8.66E-01
642.11843	23.1	15.63	13.00	13.98	14.95	8.91E-08	6.17E-08	1.13E-03	4.36E-01	1.38E-01	2.45E-04	1.54E-01
642.16683	63.92	14.74	17.56	13.38	13.81	4.32E-104	5.11E-15	5.11E-15	5.13E-14	5.11E-15	5.11E-15	6.23E-04
642.57473	295.69	10.67	11.51	12.83	11.61	4.26E-05	2.32E-01	8.46E-06	1.64E-01	1.82E-02	9.96E-01	4.18E-02
642.68457	74.12	10.26	12.74	12.58	11.75	1.95E-11	2.94E-10	2.58E-09	4.08E-04	9.73E-01	4.64E-02	1.22E-01
642.69301	65.7	16.43	16.11	17.44	17.02	6.60E-22	5.24E-02	1.41E-13	3.38E-05	3.80E-14	2.31E-10	7.59E-03
642.71066	59.19	18.51	18.65	19.65	19.30	1.68E-22	5.98E-01	4.09E-14	3.91E-10	4.73E-14	6.26E-07	1.51E-02
642.75314	54.68	16.28	16.53	17.07	16.87	1.70E-18	1.84E-02	4.35E-14	2.31E-10	4.80E-09	5.51E-04	1.11E-01
642.76945	42.8	16.49	18.19	18.37	18.35	1.06E-41	5.11E-15	5.11E-15	5.11E-15	5.08E-01	6.23E-01	9.99E-01
642.78626	33.77	13.59	13.48	13.27	13.67	6.59E-02	8.75E-01	1.47E-01	9.52E-01	5.47E-01	6.10E-01	5.77E-02
642.80586	33.01	13.05	12.34	12.79	13.11	6.56E-02	9.35E-02	8.21E-01	9.97E-01	4.73E-01	7.94E-02	7.41E-01
642.82798	40.37	15.11	13.74	13.43	14.28	5.15E-07	7.08E-05	4.81E-07	4.25E-02	7.49E-01	3.43E-01	4.16E-02
642.84925	40.67	16.05	19.19	18.83	18.92	1.36E-23	3.95E-14	4.24E-14	4.40E-14	6.54E-01	8.32E-01	9.93E-01
642.97468	61.82	11.18	13.97	9.69	10.21	9.85E-115	5.11E-15	5.11E-15	4.29E-14	5.11E-15	5.11E-15	2.26E-06
643.1607	64.06	13.26	14.56	11.29	11.98	1.59E-80	7.77E-15	5.11E-15	1.33E-14	5.11E-15	5.11E-15	3.27E-08
643.24564	153.46	12.40	10.72	10.81	11.24	9.29E-11	1.46E-09	7.68E-09	7.80E-05	9.85E-01	2.07E-01	3.62E-01
643.28959	151.76	19.38	17.78	18.81	18.13	4.28E-20	4.11E-14	1.96E-03	3.45E-12	7.12E-09	1.55E-01	3.70E-04
643.3197	171.91	15.83	11.61	10.17	11.25	1.49E-19	2.33E-11	4.13E-14	1.76E-12	6.95E-02	9.33E-01	2.79E-01
643.71412	63.03	14.14	10.43	14.87	13.94	5.35E-63	5.11E-15	7.97E-04	7.24E-01	5.11E-15	5.11E-15	2.76E-05
643.74866	52.98	13.97	14.16	13.58	13.93	1.93E-01	8.81E-01	4.51E-01	9.99E-01	1.37E-01	8.36E-01	5.88E-01
643.77282	47.7	14.25	15.55	15.20	15.37	1.48E-17	4.36E-14	7.34E-10	2.68E-12	8.34E-02	6.55E-01	6.54E-01
643.81862	42.56	12.62	15.39	14.10	14.39	1.39E-05	3.28E-06	2.97E-02	8.36E-03	8.90E-02	2.89E-01	9.57E-01
644.29305	144.01	17.77	15.55	16.81	16.46	2.65E-22	1.44E-14	6.67E-06	1.58E-09	4.58E-09	6.94E-05	2.98E-01
644.32137	182.38	15.32	11.64	12.37	12.24	3.21E-23	3.26E-14	4.79E-14	4.60E-14	1.50E-01	3.47E-01	9.79E-01
644.39466	192.54	12.42	13.21	12.86	13.21	3.17E-03	6.18E-03	2.65E-01	8.03E-03	4.62E-01	1.00E+00	4.82E-01
644.70764	58.22	17.87	17.54	18.76	18.42	7.53E-28	3.98E-03	4.13E-14	6.46E-07	6.00E-15	5.22E-14	5.79E-03

644.74815	49.16	13.87	13.06	13.35	13.55	3.95E-07	1.18E-07	1.10E-03	1.23E-01	1.80E-01	4.81E-03	4.87E-01
644.76631	50.86	15.45	15.76	16.26	16.30	2.08E-12	5.53E-02	7.75E-10	4.83E-10	4.02E-04	2.00E-04	9.90E-01
644.78715	43.18	17.95	19.37	18.88	19.07	4.66E-23	2.24E-14	2.17E-11	5.13E-14	9.45E-04	1.14E-01	4.55E-01
644.81325	48.33	15.02	14.96	15.46	15.74	5.94E-03	9.94E-01	2.61E-01	2.03E-02	1.79E-01	1.23E-02	6.75E-01
644.84491	42.25	13.86	17.06	16.52	16.92	2.12E-18	4.51E-14	9.69E-12	1.05E-13	4.65E-01	9.83E-01	7.18E-01
644.93083	52.7	11.19	16.41	11.49	11.19	5.94E-53	5.11E-15	7.09E-01	1.00E+00	5.11E-15	5.11E-15	7.35E-01
644.95283	61.83	11.43	12.77	9.77	10.31	2.02E-65	2.71E-14	5.11E-15	4.33E-14	5.11E-15	5.11E-15	2.26E-04
644.96081	169.55	10.95	10.80	10.87	11.06	8.82E-01	9.67E-01	9.94E-01	9.85E-01	9.97E-01	8.63E-01	9.37E-01
645.24323	156.64	14.40	11.38	12.60	13.35	3.94E-23	1.22E-14	1.69E-10	6.08E-04	4.66E-05	6.65E-11	3.08E-02
645.26468	167.53	12.54	10.76	10.30	11.20	2.23E-17	1.44E-11	4.33E-14	7.97E-07	2.38E-01	3.06E-01	2.28E-03
645.29271	155.58	11.90	10.96	11.53	11.95	9.44E-03	1.54E-02	6.37E-01	9.99E-01	2.77E-01	1.57E-02	5.80E-01
645.30303	151.78	18.65	18.03	18.12	17.81	1.32E-06	3.22E-04	2.79E-03	8.44E-07	9.32E-01	5.04E-01	1.95E-01
645.42973	234.06	17.98	17.04	17.95	18.27	3.64E-07	6.20E-05	9.99E-01	5.28E-01	1.64E-04	3.91E-07	4.58E-01
645.45087	291.88	17.79	20.10	19.44	19.48	1.81E-08	1.22E-08	6.49E-05	7.87E-05	2.94E-01	3.82E-01	1.00E+00
645.71272	62.03	14.11	10.87	12.93	12.82	4.34E-31	5.11E-15	1.66E-06	4.42E-07	4.31E-14	1.45E-13	9.71E-01
645.79241	45.06	14.69	16.55	15.63	16.04	2.14E-13	1.22E-13	1.97E-04	1.18E-07	5.06E-04	1.34E-01	3.22E-01
645.93436	62.18	12.21	12.68	10.41	11.09	1.82E-30	3.75E-02	3.97E-14	1.08E-08	5.33E-15	5.06E-14	1.40E-03
646.04926	25.08	16.04	13.81	13.19	12.93	1.95E-12	1.80E-06	6.02E-10	6.88E-11	4.90E-01	2.06E-01	9.33E-01
646.07298	17.39	13.16	15.61	15.45	15.00	1.51E-15	1.63E-13	2.12E-12	4.93E-08	9.55E-01	2.13E-01	4.67E-01
646.23406	104.17	10.28	13.42	9.75	8.95	8.61E-27	4.35E-14	4.29E-01	1.75E-03	4.26E-14	7.33E-15	1.38E-01
646.27678	190.1	8.55	11.47	12.19	10.20	1.28E-11	1.02E-07	2.01E-11	7.73E-03	4.89E-01	7.81E-02	1.01E-03
646.29219	197.97	12.75	12.07	11.00	12.12	6.01E-03	5.12E-01	2.28E-03	5.98E-01	1.46E-01	1.00E+00	1.32E-01
646.30765	162.31	16.91	16.21	16.33	15.95	2.93E-07	1.41E-04	2.18E-03	1.68E-07	8.85E-01	4.31E-01	1.16E-01
646.3347	207.93	18.59	18.97	18.79	18.86	3.36E-02	2.05E-02	3.94E-01	1.77E-01	5.49E-01	8.65E-01	9.57E-01
646.43331	234.46	15.77	13.13	15.88	16.18	8.14E-12	1.11E-08	9.94E-01	7.77E-01	5.41E-09	3.84E-10	9.03E-01
646.4541	290.75	16.32	18.29	17.73	17.49	3.91E-05	1.66E-05	3.32E-03	2.95E-02	5.43E-01	2.52E-01	9.42E-01
646.69699	49.02	13.99	11.98	12.99	13.27	1.03E-13	5.02E-14	1.39E-04	1.63E-02	1.80E-04	2.00E-06	6.55E-01
646.70443	59.25	15.82	13.03	15.80	15.81	2.59E-42	5.11E-15	1.00E+00	1.00E+00	5.11E-15	5.11E-15	1.00E+00
646.72453	57.53	15.01	9.02	13.23	13.12	4.59E-26	5.55E-15	1.21E-03	8.28E-04	5.03E-14	2.00E-13	9.96E-01
646.74431	53.87	15.96	15.39	16.90	16.74	4.87E-20	1.71E-03	1.46E-08	8.10E-06	4.36E-14	1.04E-13	7.37E-01
646.78535	42.86	15.04	14.19	14.22	14.76	2.22E-07	4.44E-06	7.45E-06	3.55E-01	9.99E-01	7.75E-03	1.14E-02
646.80277	44.07	18.28	20.60	20.26	20.21	2.71E-39	5.11E-15	5.11E-15	5.77E-15	1.29E-01	7.43E-02	9.89E-01
646.92215	51.43	11.81	14.57	9.70	10.75	7.19E-42	4.13E-14	3.97E-12	1.46E-03	5.11E-15	5.11E-15	2.27E-03
646.93354	61.93	13.44	14.08	11.50	12.19	2.61E-80	3.16E-11	5.11E-15	5.11E-15	5.11E-15	5.11E-15	9.45E-12
647.07472	21.62	11.91	13.59	13.49	13.23	3.22E-15	3.82E-13	4.08E-12	2.07E-08	9.67E-01	3.65E-01	6.33E-01
647.33778	210.3	16.58	16.35	16.17	16.53	1.86E-01	6.71E-01	1.77E-01	9.95E-01	8.20E-01	8.38E-01	3.31E-01
647.44613	242.57	14.39	13.17	14.23	13.87	2.51E-03	1.96E-03	9.59E-01	4.24E-01	1.26E-02	2.06E-01	7.36E-01
647.71458	59.59	13.96	11.84	14.60	14.25	2.09E-27	4.42E-14	2.06E-02	5.71E-01	6.22E-15	4.10E-14	4.44E-01
647.80479	45.05	13.50	16.69	16.04	16.20	4.11E-26	1.22E-14	4.40E-14	4.24E-14	9.77E-02	3.28E-01	9.47E-01
647.84286	38.48	14.22	14.34	14.57	13.74	2.12E-02	9.67E-01	4.98E-01	2.64E-01	8.00E-01	1.22E-01	1.09E-02
648.06759	24.65	12.89	11.90	12.00	11.91	1.68E-02	3.38E-02	6.47E-02	4.35E-02	9.93E-01	1.00E+00	9.95E-01
648.29285	212.08	18.03	19.63	19.48	19.12	1.49E-20	4.24E-14	4.29E-14	1.82E-09	7.82E-01	1.71E-02	1.62E-01
648.32042	169.81	16.13	13.98	14.36	14.00	3.26E-22	4.24E-14	1.50E-13	4.29E-14	3.12E-01	1.00E+00	3.82E-01
648.34853	204.14	16.42	14.31	14.81	11.68	3.48E-14	4.67E-04	1.16E-02	4.57E-14	7.92E-01	2.07E-05	2.25E-07
648.65914	68.51	12.80	11.61	11.94	12.16	1.68E-06	6.72E-07	4.82E-04	2.37E-02	4.49E-01	7.70E-02	7.56E-01

648.71682	52.87	13.47	11.14	11.92	12.45	3.17E-24	7.77E-15	4.82E-13	4.44E-06	6.24E-04	6.73E-09	5.21E-02
648.72452	59.13	14.87	13.01	14.76	14.51	2.40E-37	5.11E-15	8.39E-01	3.34E-02	5.11E-15	1.89E-14	2.31E-01
648.74062	57.02	17.48	16.26	17.12	17.21	5.68E-22	2.58E-14	5.92E-03	7.96E-02	3.81E-12	1.89E-13	8.63E-01
648.79626	42.19	16.43	18.34	18.25	18.11	1.06E-30	6.22E-15	1.02E-14	4.05E-14	9.39E-01	4.80E-01	8.14E-01
648.87769	45.68	14.47	15.32	15.57	15.95	5.70E-04	8.01E-02	1.00E-02	3.60E-04	8.95E-01	3.28E-01	7.35E-01
649.01069	16.78	8.07	14.60	13.52	12.51	4.00E-40	5.11E-15	5.11E-15	3.89E-14	4.92E-02	1.39E-05	8.83E-02
649.01868	19.18	10.24	12.53	11.60	11.50	5.98E-27	5.11E-15	1.51E-12	1.75E-10	2.61E-06	4.98E-07	9.56E-01
649.08935	39.88	14.15	14.42	13.22	14.93	2.23E-04	8.83E-01	5.88E-02	1.70E-01	9.29E-03	5.60E-01	9.42E-05
649.10528	101.8	11.46	12.82	12.92	13.25	2.10E-04	8.31E-03	3.38E-03	3.04E-04	9.95E-01	7.65E-01	8.75E-01
649.29607	210.43	15.80	17.41	17.29	16.90	1.64E-13	4.25E-12	7.86E-11	4.42E-06	9.49E-01	1.07E-01	2.92E-01
649.5059	294.46	11.46	14.37	11.76	13.18	1.09E-10	8.18E-10	8.96E-01	7.74E-04	7.16E-08	4.73E-02	1.01E-02
649.71716	59.36	13.57	11.99	15.15	14.18	1.22E-24	1.75E-08	1.19E-08	9.02E-02	6.66E-15	2.07E-13	2.03E-03
649.75928	49.65	14.25	17.39	17.14	16.89	1.23E-42	5.11E-15	5.11E-15	5.11E-15	5.95E-01	8.31E-02	6.37E-01
649.77848	42.87	14.84	12.88	12.95	12.96	2.94E-10	2.88E-08	6.80E-08	2.26E-07	9.97E-01	9.96E-01	1.00E+00
650.26283	34.62	11.74	13.05	11.72	12.87	5.30E-04	5.87E-03	1.00E+00	3.01E-02	5.94E-03	9.71E-01	2.94E-02
650.30862	197.3	14.40	12.40	12.67	11.97	2.87E-05	7.61E-04	4.41E-03	4.34E-05	9.56E-01	8.64E-01	5.74E-01
650.36692	193.44	17.72	18.91	18.69	18.37	8.80E-06	7.98E-06	3.45E-04	4.28E-02	8.07E-01	1.45E-01	5.77E-01
650.72577	58.75	14.30	11.87	13.13	13.59	5.88E-14	5.11E-14	2.24E-04	7.12E-02	1.18E-04	1.51E-07	3.93E-01
650.73612	61.46	14.98	12.51	12.27	13.18	1.90E-20	4.31E-14	4.13E-14	6.19E-09	8.26E-01	1.03E-01	1.00E-02
650.75727	50.38	13.46	14.27	14.00	14.08	9.20E-07	6.09E-07	1.48E-03	2.93E-04	2.80E-01	6.30E-01	9.49E-01
650.7933	38.2	12.47	13.04	14.16	13.47	4.97E-06	2.90E-01	1.48E-06	1.41E-02	3.92E-03	5.79E-01	1.68E-01
650.81492	45.83	15.45	15.20	15.09	15.89	3.61E-02	7.90E-01	5.48E-01	4.16E-01	9.82E-01	8.45E-02	3.12E-02
650.83613	46.74	17.93	19.68	19.81	19.74	8.66E-36	5.77E-15	5.11E-15	5.33E-15	7.83E-01	9.80E-01	9.53E-01
650.93578	53.63	11.85	15.64	10.02	10.69	2.00E-113	5.11E-15	5.11E-15	4.32E-14	5.11E-15	5.11E-15	4.23E-06
650.95584	63.29	12.03	13.52	10.03	10.79	2.61E-64	3.89E-14	5.11E-15	6.17E-14	5.11E-15	5.11E-15	5.38E-06
651.37013	194.81	15.54	15.14	15.91	15.49	1.69E-01	6.27E-01	6.70E-01	9.99E-01	1.07E-01	7.54E-01	6.15E-01
651.73442	56.94	13.57	12.99	13.91	13.72	2.68E-03	8.16E-02	4.99E-01	9.41E-01	1.52E-03	2.66E-02	8.69E-01
651.76101	48.1	13.07	12.77	12.48	13.12	1.70E-03	3.42E-01	4.92E-03	9.93E-01	3.62E-01	2.56E-01	3.70E-03
651.80656	43.51	13.87	16.54	15.74	16.11	5.98E-18	4.22E-14	1.43E-09	3.27E-12	3.27E-02	4.81E-01	6.04E-01
651.83914	46.19	12.67	13.11	13.11	13.58	1.54E-04	1.01E-01	9.18E-02	3.20E-05	1.00E+00	8.96E-02	8.89E-02
651.88785	61.07	15.64	12.25	16.17	16.34	9.75E-51	5.11E-15	6.98E-02	1.13E-02	5.11E-15	5.11E-15	8.87E-01
652.3242	209.59	16.82	18.51	17.90	18.36	1.16E-13	1.32E-12	6.26E-06	2.64E-10	2.90E-02	9.09E-01	1.73E-01
652.34585	187.56	15.59	15.41	16.41	14.77	6.15E-07	9.14E-01	1.13E-02	1.82E-02	1.78E-03	1.12E-01	1.09E-07
652.38488	217.75	13.42	13.93	15.20	12.83	4.19E-08	5.18E-01	1.39E-05	4.16E-01	5.00E-03	2.84E-02	2.79E-08
652.73527	56.78	13.82	12.73	13.68	13.52	6.81E-03	5.63E-03	9.73E-01	8.07E-01	2.50E-02	1.05E-01	9.65E-01
652.75127	49.49	14.82	13.94	14.59	14.45	1.10E-04	3.83E-05	6.15E-01	2.22E-01	5.31E-03	6.08E-02	8.85E-01
652.77306	46.44	18.39	18.53	18.89	18.89	3.31E-07	5.07E-01	9.83E-06	1.63E-05	4.13E-03	4.96E-03	1.00E+00
652.79443	49.58	18.89	21.09	21.31	21.06	1.14E-43	5.11E-15	5.11E-15	5.11E-15	4.90E-01	9.99E-01	4.28E-01
652.83342	43.73	15.04	17.36	17.30	17.52	3.82E-27	3.69E-14	4.02E-14	2.91E-14	9.92E-01	9.06E-01	7.76E-01
652.87683	58.01	12.16	14.63	10.23	10.85	1.13E-82	5.11E-15	5.11E-15	4.26E-14	5.11E-15	5.11E-15	2.65E-04
652.93516	62.75	12.15	13.26	10.10	10.74	8.17E-62	2.80E-13	5.11E-15	4.24E-14	5.11E-15	5.11E-15	6.59E-05
653.13006	22.28	17.23	17.51	16.92	15.90	1.97E-04	8.56E-01	8.20E-01	1.73E-03	3.67E-01	1.37E-04	3.04E-02
653.32722	194.98	14.39	15.43	15.96	16.14	5.39E-07	8.17E-03	1.17E-05	1.89E-06	3.84E-01	1.61E-01	9.47E-01
653.45461	231.39	12.79	12.07	12.76	14.02	2.46E-05	1.95E-01	1.00E+00	7.20E-03	2.46E-01	5.52E-06	6.72E-03
653.77716	47.48	14.56	15.91	15.29	15.52	2.75E-19	3.94E-14	3.33E-07	1.00E-10	3.21E-05	2.23E-02	3.58E-01

653.79781	42.38	13.44	15.03	15.24	15.22	1.03E-19	4.49E-13	4.33E-14	4.64E-14	7.36E-01	7.99E-01	1.00E+00
653.86734	35.83	11.47	12.12	11.80	12.01	1.24E-01	1.10E-01	6.44E-01	2.57E-01	7.03E-01	9.85E-01	9.00E-01
653.87634	38.1	12.59	13.70	13.74	13.39	2.25E-05	1.51E-04	6.52E-05	1.50E-02	9.99E-01	6.66E-01	5.65E-01
653.88408	54.88	12.33	11.94	12.58	12.73	1.80E-01	6.99E-01	8.98E-01	7.06E-01	3.05E-01	1.65E-01	9.79E-01
654.12493	18.69	14.80	17.29	17.06	15.75	3.96E-07	2.35E-06	1.78E-05	2.10E-01	9.65E-01	1.32E-02	4.53E-02
654.30369	189.77	15.45	15.12	15.11	14.94	6.87E-02	2.98E-01	2.80E-01	4.85E-02	1.00E+00	8.23E-01	8.28E-01
654.32491	172.47	6.76	12.31	13.85	10.48	2.35E-20	2.90E-13	4.06E-14	1.77E-06	1.30E-01	5.91E-02	3.00E-05
654.34237	217.45	12.63	13.50	12.51	11.95	3.98E-03	1.30E-01	9.91E-01	3.46E-01	7.50E-02	1.59E-03	5.29E-01
654.71022	71.23	14.63	11.75	14.69	14.31	8.19E-41	5.11E-15	9.87E-01	3.69E-01	5.11E-15	5.33E-15	2.28E-01
654.73159	55.38	20.65	21.31	21.90	21.65	1.14E-42	4.42E-14	5.11E-15	5.11E-15	8.55E-13	6.73E-05	9.26E-03
654.75284	53.2	15.74	15.83	15.19	15.44	2.33E-04	9.24E-01	2.49E-03	2.54E-01	3.72E-04	8.21E-02	4.00E-01
654.77165	53.08	16.84	16.70	17.06	17.06	4.84E-04	4.59E-01	9.65E-02	1.25E-01	1.59E-03	2.76E-03	1.00E+00
654.77936	47.2	14.02	13.43	12.89	13.59	5.47E-07	1.40E-02	8.18E-08	1.29E-01	3.27E-02	8.76E-01	3.87E-03
654.79293	48.92	16.74	18.99	19.33	19.05	2.86E-40	5.11E-15	5.11E-15	5.11E-15	2.04E-01	9.84E-01	4.09E-01
655.07628	23.23	10.57	12.30	11.08	12.96	6.93E-05	8.06E-03	7.77E-01	1.35E-04	1.19E-01	6.54E-01	5.36E-03
655.0861	19.99	13.03	14.23	13.79	13.76	7.46E-05	2.17E-05	1.50E-02	2.87E-02	3.13E-01	2.84E-01	9.99E-01
655.10779	28.77	12.98	13.16	13.34	13.65	2.34E-01	9.45E-01	6.82E-01	1.82E-01	9.50E-01	4.74E-01	7.88E-01
655.11674	24.22	13.31	13.29	13.24	13.97	2.08E-02	1.00E+00	9.92E-01	5.13E-02	9.97E-01	5.19E-02	2.82E-02
655.17777	55.94	12.12	12.95	10.20	10.83	4.79E-66	2.31E-11	5.11E-15	2.51E-14	5.11E-15	5.11E-15	2.11E-06
655.24958	155.12	11.81	11.83	12.42	11.72	6.17E-03	9.99E-01	2.11E-02	9.75E-01	3.73E-02	9.54E-01	9.68E-03
655.30909	173.49	11.80	12.97	14.64	11.68	3.25E-09	7.00E-02	4.36E-08	9.95E-01	3.90E-03	5.38E-02	6.80E-08
655.47409	227.11	20.89	19.06	20.40	20.60	8.46E-22	3.44E-14	2.08E-02	3.52E-01	1.92E-12	4.95E-14	6.69E-01
655.49576	228.53	18.03	17.41	17.29	17.59	2.12E-01	3.40E-01	1.94E-01	6.49E-01	9.91E-01	9.69E-01	8.79E-01
655.70195	51.41	11.58	9.31	12.41	12.42	1.68E-25	1.16E-13	1.19E-02	1.55E-02	2.51E-14	3.26E-14	1.00E+00
655.73506	55.38	16.73	17.37	18.18	17.89	9.29E-34	9.08E-09	5.11E-15	2.62E-14	1.94E-12	1.87E-05	3.29E-02
655.78922	48.3	12.48	12.32	12.28	13.00	1.50E-02	8.97E-01	8.19E-01	1.27E-01	9.98E-01	2.83E-02	1.67E-02
655.89611	54.66	11.72	12.65	12.72	12.85	6.61E-05	2.73E-03	8.14E-04	2.12E-04	9.91E-01	8.79E-01	9.66E-01
656.04273	16.84	8.77	12.58	12.38	11.05	9.62E-17	5.31E-14	1.50E-13	6.97E-06	9.72E-01	6.64E-03	2.26E-02
656.3186	200.73	19.16	19.53	19.52	19.49	8.01E-03	1.88E-02	1.98E-02	4.87E-02	1.00E+00	9.94E-01	9.96E-01
656.35781	204.38	15.81	16.70	17.24	16.83	1.25E-09	2.15E-04	3.79E-10	2.33E-05	5.57E-02	9.28E-01	2.46E-01
656.4772	227.17	19.81	17.86	19.30	19.50	2.24E-22	2.82E-14	2.25E-02	3.14E-01	5.74E-13	4.64E-14	7.28E-01
656.499	228.65	16.84	15.82	15.69	15.57	9.82E-03	6.82E-02	2.86E-02	1.66E-02	9.91E-01	9.43E-01	9.92E-01
656.66911	66.81	14.93	14.24	16.64	16.08	3.03E-18	3.70E-02	4.38E-10	7.53E-05	4.23E-14	3.19E-10	1.54E-01
656.68981	71.19	14.26	11.29	14.95	13.87	2.31E-39	5.11E-15	1.18E-02	3.26E-01	5.11E-15	2.89E-14	4.20E-05
656.70686	65.82	14.42	11.16	14.13	13.42	2.83E-32	5.11E-15	6.15E-01	3.94E-04	6.22E-15	4.29E-14	2.61E-02
656.72984	55.45	19.50	20.04	20.67	20.44	8.15E-40	2.18E-11	5.11E-15	5.33E-15	6.32E-14	2.34E-06	1.51E-02
656.76793	51.48	13.84	13.24	13.07	13.62	2.16E-03	3.21E-02	2.44E-03	7.55E-01	8.69E-01	3.54E-01	7.78E-02
656.77612	45.13	13.49	12.63	12.71	13.06	1.54E-04	2.67E-04	1.14E-03	1.81E-01	9.78E-01	2.03E-01	3.85E-01
656.78566	47.91	14.84	13.77	14.69	15.29	2.02E-08	2.39E-05	9.14E-01	2.25E-01	4.99E-04	7.48E-09	6.32E-02
656.86497	40.87	14.65	16.16	15.51	16.09	1.17E-05	3.05E-05	4.06E-02	1.36E-04	1.95E-01	9.96E-01	3.18E-01
657.13529	63.97	6.64	20.45	7.10	6.87	4.32E-66	5.11E-15	8.77E-01	9.83E-01	5.11E-15	5.11E-15	9.86E-01
657.32255	202.3	17.44	17.59	17.57	17.59	6.62E-01	7.05E-01	7.95E-01	7.25E-01	9.98E-01	1.00E+00	9.99E-01
657.3611	204.33	13.03	12.88	13.84	13.20	1.35E-01	9.85E-01	2.22E-01	9.79E-01	1.24E-01	8.89E-01	4.82E-01
657.48111	227.77	17.32	13.40	16.28	16.90	8.37E-21	3.93E-14	3.00E-02	6.96E-01	1.45E-11	4.64E-14	4.03E-01
657.51112	234.6	20.87	21.09	21.40	20.82	2.67E-01	8.92E-01	3.23E-01	9.99E-01	7.73E-01	8.46E-01	2.96E-01

657.70555	59.73	13.71	10.86	13.51	12.64	3.65E-26	1.04E-14	8.42E-01	1.55E-04	3.46E-14	2.33E-10	4.03E-03
657.73265	57.43	13.99	12.69	13.69	13.76	1.28E-34	5.11E-15	5.13E-03	5.27E-02	2.53E-14	1.62E-14	9.13E-01
657.74627	50.9	13.83	14.63	14.31	14.38	3.31E-07	9.28E-08	2.68E-03	6.62E-04	9.76E-02	3.01E-01	9.60E-01
658.13834	64.13	13.22	16.21	11.22	11.91	3.84E-111	5.11E-15	5.11E-15	2.04E-14	5.11E-15	5.11E-15	1.63E-07
658.32957	199.9	15.26	13.15	12.47	13.54	1.92E-13	2.15E-08	1.59E-13	1.09E-05	2.15E-01	7.13E-01	1.77E-02
658.37335	212.71	13.62	13.00	13.45	12.36	6.39E-03	3.29E-01	9.61E-01	5.22E-03	6.37E-01	3.51E-01	2.65E-02
658.41956	158.88	14.33	13.29	13.39	13.39	9.70E-05	3.20E-04	1.38E-03	2.14E-03	9.77E-01	9.80E-01	1.00E+00
658.51389	234.92	19.71	19.78	20.14	19.73	3.22E-01	9.93E-01	3.37E-01	1.00E+00	5.20E-01	9.98E-01	4.29E-01
658.66705	67.1	13.27	10.87	15.06	13.84	6.67E-34	4.61E-14	1.82E-09	1.78E-01	5.11E-15	3.93E-14	1.83E-04
658.68521	62.34	15.54	15.30	17.43	16.96	1.83E-10	8.95E-01	2.89E-07	3.55E-04	1.84E-08	3.47E-05	5.35E-01
658.7327	54.9	17.02	17.30	18.05	17.77	7.09E-29	4.43E-03	5.33E-15	4.33E-14	4.31E-14	6.64E-07	8.24E-03
658.74123	46.01	14.37	14.25	14.74	14.71	9.75E-07	5.89E-01	1.70E-03	6.49E-03	1.73E-05	1.03E-04	9.94E-01
658.75929	35.22	12.95	13.09	13.54	13.72	4.53E-03	9.26E-01	5.67E-02	8.03E-03	2.49E-01	5.62E-02	8.76E-01
658.80168	47.46	14.26	14.31	13.41	14.37	4.58E-02	9.99E-01	1.08E-01	9.92E-01	9.07E-02	9.99E-01	7.46E-02
658.82338	43.12	17.73	20.60	20.32	20.32	4.18E-31	5.77E-15	1.91E-14	2.86E-14	6.23E-01	6.64E-01	1.00E+00
659.13421	63.96	13.03	15.47	11.02	11.85	2.94E-92	5.11E-15	5.11E-15	4.17E-14	5.11E-15	5.11E-15	8.40E-09
659.22025	151.58	10.75	10.73	11.04	10.27	1.85E-01	1.00E+00	8.04E-01	5.04E-01	7.95E-01	5.54E-01	1.20E-01
659.51672	241.69	20.43	19.52	19.69	19.99	2.75E-06	2.90E-06	1.72E-04	7.10E-02	7.84E-01	5.77E-02	3.59E-01
659.72154	59.54	13.63	11.65	14.42	13.67	3.39E-21	9.25E-13	8.42E-03	9.98E-01	3.20E-14	4.22E-12	2.29E-02
659.7476	52.37	13.64	12.53	12.53	13.28	1.52E-10	2.65E-08	1.95E-08	2.12E-01	1.00E+00	7.31E-04	6.46E-04
659.79321	45.12	13.25	17.20	16.41	16.57	2.15E-25	1.62E-14	4.25E-14	4.40E-14	1.22E-01	3.11E-01	9.75E-01
659.8249	43.61	13.39	14.35	13.92	14.38	5.89E-05	2.73E-04	1.03E-01	2.35E-04	2.56E-01	9.99E-01	2.15E-01
660.13462	64.53	11.53	12.43	9.89	10.43	7.45E-63	9.66E-14	5.11E-15	4.37E-14	5.11E-15	5.11E-15	1.82E-05
660.29156	46.34	10.84	11.75	11.93	11.89	4.99E-03	4.31E-02	9.03E-03	1.78E-02	9.60E-01	9.82E-01	1.00E+00
660.35063	208.11	16.42	15.79	15.94	15.88	4.66E-02	4.86E-02	1.92E-01	1.28E-01	9.30E-01	9.88E-01	9.94E-01
660.51109	240.69	16.57	14.88	15.34	15.25	1.22E-05	1.08E-05	2.19E-03	1.30E-03	5.58E-01	7.46E-01	9.94E-01
660.52994	247.93	17.98	17.13	17.20	17.69	2.76E-02	4.22E-02	6.98E-02	8.05E-01	9.96E-01	3.58E-01	4.73E-01
660.68027	60.94	16.17	14.22	16.80	16.58	1.95E-48	5.11E-15	4.41E-05	1.95E-02	5.11E-15	5.11E-15	4.56E-01
660.72124	60.37	14.29	14.00	15.27	14.87	2.00E-07	5.69E-01	8.21E-05	5.96E-02	4.20E-07	1.69E-03	3.07E-01
660.74025	56.15	14.55	13.60	14.29	14.61	5.86E-12	2.50E-10	2.25E-01	9.75E-01	8.78E-06	1.88E-10	1.19E-01
660.76078	41.12	18.32	19.41	18.98	19.01	2.69E-23	1.02E-14	7.94E-11	5.64E-11	4.28E-05	2.77E-04	9.91E-01
660.78411	42.62	13.13	12.86	12.82	13.43	5.93E-02	6.82E-01	5.50E-01	5.93E-01	9.97E-01	1.07E-01	6.56E-02
660.79438	47.04	14.00	15.84	15.02	15.62	8.06E-12	3.48E-11	3.23E-04	1.19E-08	1.01E-02	8.49E-01	1.13E-01
660.81979	43.97	16.43	18.47	18.17	18.31	3.14E-25	2.93E-14	4.33E-14	4.26E-14	3.87E-01	8.35E-01	8.96E-01
660.93178	54.56	11.42	12.75	9.80	10.44	2.23E-56	4.16E-14	7.11E-15	1.06E-10	5.11E-15	5.11E-15	6.42E-05
661.21459	163.74	10.12	10.08	10.94	10.58	1.99E-02	9.99E-01	3.81E-02	4.70E-01	3.37E-02	4.22E-01	6.73E-01
661.22365	155.82	9.62	9.71	10.44	9.92	1.82E-01	9.96E-01	1.66E-01	8.83E-01	2.80E-01	9.58E-01	6.02E-01
661.28817	27.01	12.25	12.48	10.85	12.20	6.55E-03	9.68E-01	2.45E-02	1.00E+00	8.05E-03	9.50E-01	4.87E-02
661.53337	264.57	21.30	20.62	20.59	20.83	7.83E-09	2.82E-07	5.65E-08	1.10E-03	9.94E-01	3.40E-01	2.18E-01
661.76494	46.93	14.74	16.67	16.04	15.92	2.12E-27	5.11E-15	4.66E-14	2.13E-12	2.86E-04	2.40E-05	8.86E-01
661.77172	41.28	13.80	14.05	13.57	13.70	5.98E-03	2.36E-01	3.14E-01	8.96E-01	2.90E-03	6.69E-02	7.83E-01
661.79559	46.03	12.24	12.84	12.27	13.31	1.88E-04	1.05E-01	1.00E+00	5.18E-04	1.44E-01	3.17E-01	1.00E-03
662.30854	211.75	16.23	17.52	17.51	16.99	9.88E-13	6.69E-11	7.94E-11	2.88E-04	1.00E+00	3.06E-02	3.69E-02
662.367	206.11	14.04	8.22	11.68	8.72	5.59E-25	2.60E-14	5.93E-05	4.24E-14	4.89E-09	8.07E-01	1.24E-06
662.53619	262.32	19.78	19.09	19.09	19.17	1.03E-09	5.32E-08	5.48E-08	4.03E-06	1.00E+00	9.00E-01	9.19E-01

662.67718	51.87	13.52	7.95	12.57	12.88	2.20E-36	5.11E-15	5.56E-02	3.49E-01	7.55E-15	5.77E-15	8.61E-01
662.69959	70.81	15.95	13.73	16.01	15.71	1.97E-26	2.51E-14	9.93E-01	6.37E-01	2.33E-14	4.29E-14	4.86E-01
662.75896	47.41	15.32	14.02	14.29	14.65	5.39E-09	4.98E-09	4.00E-06	7.52E-03	5.50E-01	1.92E-02	3.42E-01
662.77667	40.79	18.97	20.69	20.47	20.37	6.09E-50	5.11E-15	5.11E-15	5.11E-15	1.12E-01	9.02E-03	7.45E-01
662.83441	43.03	14.15	16.60	16.51	16.62	5.20E-27	3.38E-14	4.04E-14	3.80E-14	9.78E-01	1.00E+00	9.67E-01
662.95177	177.87	8.33	7.59	8.49	12.27	1.69E-27	1.82E-01	9.66E-01	3.72E-14	7.29E-02	6.22E-15	4.15E-14
663.14826	56.51	9.61	15.61	8.11	9.13	6.12E-66	5.11E-15	9.96E-06	4.22E-01	5.11E-15	5.11E-15	9.61E-03
663.1594	25.26	11.66	17.18	15.88	15.98	5.30E-28	5.77E-15	4.35E-14	4.51E-14	2.27E-02	5.44E-02	9.96E-01
663.2771	144.2	13.56	10.26	11.33	11.63	6.97E-16	4.26E-14	1.03E-08	2.06E-06	1.88E-02	1.95E-03	8.56E-01
663.31184	209.56	12.99	13.92	13.82	13.11	2.51E-03	1.02E-02	2.67E-02	9.81E-01	9.86E-01	4.73E-02	1.01E-01
663.53777	257.28	18.04	15.31	16.01	16.37	1.02E-20	3.75E-14	5.38E-13	8.75E-09	4.11E-02	6.74E-04	5.28E-01
663.77925	47.46	14.48	16.72	16.31	16.18	9.59E-35	5.11E-15	9.99E-15	3.82E-14	5.26E-02	7.43E-03	8.71E-01
663.81207	36.49	13.52	12.84	12.55	12.96	1.35E-07	2.07E-04	3.98E-08	4.77E-03	3.15E-01	8.90E-01	7.95E-02
663.82118	40.43	13.69	13.39	12.99	13.13	2.80E-03	4.24E-01	2.20E-03	2.91E-02	1.91E-01	5.85E-01	9.07E-01
664.10167	26.75	14.16	10.86	10.82	11.34	2.82E-18	5.35E-14	4.69E-14	7.10E-11	9.99E-01	6.46E-01	5.64E-01
664.38278	192.03	15.64	16.04	16.11	15.58	2.04E-01	5.30E-01	3.89E-01	9.97E-01	9.97E-01	4.51E-01	3.25E-01
664.69429	60.95	13.23	10.49	12.65	12.50	2.19E-23	1.58E-14	6.68E-02	1.70E-02	4.55E-14	6.10E-13	9.39E-01
664.71503	56.21	15.14	12.91	15.03	14.82	4.98E-47	5.11E-15	8.06E-01	7.94E-02	5.11E-15	5.11E-15	4.35E-01
664.77296	38.15	17.16	19.00	18.97	18.78	1.65E-36	5.11E-15	5.11E-15	1.22E-14	9.95E-01	3.79E-01	5.14E-01
664.85202	43.49	16.07	17.01	16.82	17.33	1.26E-07	5.74E-05	2.01E-03	8.75E-08	7.96E-01	4.80E-01	9.23E-02
665.29262	161.65	15.27	13.64	14.47	14.81	2.47E-15	4.26E-14	7.18E-05	6.47E-02	5.37E-05	1.85E-08	2.77E-01
665.38535	183.19	11.88	13.31	14.08	13.07	2.56E-06	2.43E-03	5.73E-07	2.22E-02	2.51E-01	9.38E-01	8.09E-02
665.72474	56.78	12.09	11.96	12.15	12.25	8.04E-01	9.67E-01	9.96E-01	9.47E-01	9.09E-01	7.65E-01	9.88E-01
665.73495	54.27	14.39	15.67	16.07	15.76	5.37E-25	4.86E-14	1.31E-14	4.34E-14	3.66E-02	9.33E-01	1.77E-01
665.75803	37.27	13.47	12.63	12.17	12.49	9.41E-03	1.49E-01	5.71E-03	7.93E-02	6.61E-01	9.88E-01	8.59E-01
665.77747	46.67	12.74	13.09	12.20	12.57	2.05E-02	5.95E-01	2.00E-01	9.29E-01	1.01E-02	2.86E-01	5.81E-01
666.3383	201.87	14.08	16.52	15.74	16.26	2.05E-16	4.60E-14	4.73E-08	4.88E-12	3.28E-02	8.08E-01	2.87E-01
666.39964	204.09	14.08	14.08	14.87	13.01	6.39E-04	1.00E+00	2.19E-01	6.14E-02	2.38E-01	7.47E-02	1.58E-04
666.71007	66.24	14.47	12.42	13.86	13.86	2.88E-16	4.33E-14	2.85E-02	3.81E-02	4.04E-09	1.23E-08	1.00E+00
666.7321	55.06	13.20	13.20	13.90	13.71	2.89E-03	1.00E+00	9.71E-03	1.25E-01	1.32E-02	1.44E-01	8.41E-01
666.76677	31.95	14.09	13.34	13.18	13.45	5.95E-08	1.53E-05	7.75E-08	4.01E-04	7.46E-01	9.22E-01	3.71E-01
666.78908	41.12	15.13	14.38	14.09	14.75	2.13E-04	1.22E-02	1.29E-04	4.16E-01	6.36E-01	4.83E-01	4.90E-02
666.8103	42.14	17.92	19.51	19.77	19.68	7.02E-33	2.53E-14	5.11E-15	7.99E-15	2.98E-01	7.01E-01	9.26E-01
666.91955	54.35	11.83	15.45	10.02	10.53	6.83E-101	5.11E-15	5.11E-15	4.44E-14	5.11E-15	5.11E-15	3.44E-03
666.93847	61.59	12.58	17.52	10.41	11.05	6.27E-144	5.11E-15	5.11E-15	5.11E-15	5.11E-15	5.11E-15	8.91E-07
667.3093	172.2	16.86	16.06	16.47	16.41	2.89E-08	3.26E-09	7.56E-03	2.16E-03	7.91E-03	4.26E-02	9.65E-01
667.34484	190.21	8.52	12.16	12.34	11.96	4.70E-15	1.89E-11	1.29E-12	5.47E-10	9.83E-01	9.82E-01	8.84E-01
667.71065	60.38	13.09	10.36	13.70	12.66	6.30E-28	3.66E-14	8.49E-02	3.80E-01	5.33E-15	7.33E-14	9.93E-04
667.73441	55.21	13.46	13.87	14.75	14.24	1.30E-05	3.80E-01	4.89E-06	1.68E-02	5.08E-03	5.12E-01	2.38E-01
667.78143	46.16	14.68	17.02	16.56	16.56	4.80E-31	5.11E-15	3.60E-14	4.16E-14	5.24E-02	6.48E-02	1.00E+00
667.81469	41.24	13.08	13.14	13.04	13.33	3.44E-01	9.83E-01	9.95E-01	4.29E-01	9.36E-01	6.72E-01	3.20E-01
667.86637	52.33	13.59	9.94	12.64	13.70	1.55E-20	4.25E-14	5.82E-02	9.90E-01	1.42E-10	4.21E-14	3.78E-02
667.96304	17.45	10.59	13.82	13.57	13.15	3.76E-23	4.01E-14	4.22E-14	3.26E-13	8.67E-01	1.74E-01	5.56E-01
667.97142	20.21	11.62	16.43	16.36	15.61	2.87E-38	5.11E-15	5.11E-15	1.49E-14	9.97E-01	1.07E-01	1.56E-01
668.28288	46.92	12.74	12.97	12.83	13.19	1.98E-02	3.69E-01	9.16E-01	1.36E-02	7.73E-01	4.82E-01	8.45E-02

668.30611	172.41	12.58	10.64	11.25	11.11	9.43E-08	6.17E-08	3.26E-04	1.07E-04	2.55E-01	5.12E-01	9.77E-01
668.31402	174.77	14.98	13.40	14.17	14.39	3.86E-14	4.69E-14	4.71E-05	8.20E-03	2.56E-04	2.67E-06	6.40E-01
668.70732	52.29	13.73	11.38	12.58	12.88	6.08E-28	5.11E-15	1.31E-09	2.12E-05	1.32E-09	3.25E-13	3.58E-01
668.72671	58.62	14.37	12.56	13.01	13.30	1.16E-14	4.98E-14	2.95E-09	7.91E-06	1.48E-01	5.43E-03	5.69E-01
668.74696	55.73	18.04	17.72	18.43	18.39	3.58E-14	2.89E-03	7.54E-05	7.57E-04	1.64E-12	8.78E-11	9.77E-01
668.76855	52.24	18.81	20.45	20.91	20.64	1.39E-40	6.00E-15	5.11E-15	5.11E-15	4.91E-03	5.67E-01	1.99E-01
668.80735	45.92	16.08	17.97	17.93	18.03	1.05E-35	5.11E-15	5.33E-15	5.11E-15	9.95E-01	9.84E-01	9.31E-01
668.91413	62.38	13.58	13.72	11.69	12.35	1.41E-69	3.18E-01	5.11E-15	5.11E-15	5.11E-15	5.11E-15	3.12E-11
668.92785	54.63	9.06	12.31	9.01	9.16	2.72E-23	4.19E-14	9.98E-01	9.91E-01	4.31E-14	4.37E-14	9.68E-01
669.13545	19.09	11.18	12.81	12.41	11.47	6.21E-04	1.22E-03	2.25E-02	9.13E-01	8.09E-01	1.96E-02	1.62E-01
669.32128	174.76	11.11	11.09	12.84	10.22	2.32E-06	1.00E+00	1.11E-03	2.43E-01	1.43E-03	2.85E-01	9.00E-07
669.44239	283.52	12.94	14.37	13.21	12.11	1.51E-06	1.26E-03	8.95E-01	1.46E-01	1.60E-02	3.19E-07	3.16E-02
669.45282	281.63	16.30	19.13	18.62	17.97	2.44E-08	2.84E-08	5.86E-06	3.14E-03	6.98E-01	8.45E-02	5.41E-01
669.7536	43.79	14.22	14.30	13.78	14.14	2.42E-04	9.21E-01	1.82E-03	9.12E-01	2.54E-04	5.99E-01	2.72E-02
669.77481	50.12	14.76	16.40	16.52	16.49	2.04E-32	1.51E-14	5.77E-15	8.88E-15	8.35E-01	9.17E-01	9.98E-01
669.84681	36.63	14.28	15.51	15.43	14.90	8.89E-11	1.42E-09	1.11E-08	7.30E-03	9.75E-01	1.03E-02	3.21E-02
669.9344	49.6	11.34	12.26	11.69	11.44	1.57E-04	1.27E-04	3.45E-01	9.64E-01	4.40E-02	1.83E-03	6.84E-01
670.3343	207.05	17.72	17.59	17.66	17.52	6.10E-01	8.21E-01	9.85E-01	5.87E-01	9.56E-01	9.77E-01	8.00E-01
670.45889	283.04	13.23	16.23	14.87	14.64	1.47E-05	2.55E-06	2.28E-02	8.31E-02	9.75E-02	4.58E-02	9.81E-01
670.70557	56.45	19.79	20.19	21.06	20.77	4.52E-25	2.01E-03	1.42E-14	5.13E-14	4.22E-12	8.17E-06	7.32E-02
670.72733	58.38	16.29	16.16	17.02	16.84	2.77E-18	5.84E-01	4.56E-12	4.09E-07	5.12E-14	1.48E-09	3.08E-01
670.74637	55.77	16.73	15.94	16.76	16.80	1.23E-17	2.35E-13	9.91E-01	8.86E-01	1.31E-13	7.42E-14	9.73E-01
670.76708	51.83	17.00	18.64	19.23	18.92	5.00E-37	3.09E-14	5.11E-15	5.77E-15	7.79E-04	2.85E-01	1.94E-01
670.8012	31.85	13.60	12.43	12.58	12.97	2.80E-05	3.93E-05	4.14E-04	7.32E-02	9.34E-01	1.89E-01	4.74E-01
670.87975	42.65	12.18	12.43	12.82	12.85	1.79E-01	8.87E-01	2.52E-01	2.40E-01	6.98E-01	6.64E-01	1.00E+00
670.90159	36.52	9.95	12.28	11.59	11.53	3.07E-06	1.42E-06	1.10E-03	2.77E-03	4.12E-01	3.71E-01	9.99E-01
671.07368	17.59	10.02	12.69	12.43	11.55	6.85E-08	2.34E-07	2.73E-06	8.99E-03	9.51E-01	1.01E-01	2.76E-01
671.08531	22.44	13.09	13.66	13.68	13.57	1.37E-01	2.00E-01	1.69E-01	3.68E-01	1.00E+00	9.91E-01	9.84E-01
671.15095	64.45	10.53	12.69	9.31	9.64	9.78E-57	5.11E-15	1.79E-12	6.36E-07	5.11E-15	5.11E-15	2.03E-01
671.33793	202.41	15.39	13.46	13.61	13.97	1.15E-15	1.13E-13	2.21E-12	5.96E-08	9.28E-01	1.69E-01	4.50E-01
671.46659	290.95	18.35	21.31	20.89	20.66	2.04E-15	8.46E-14	4.43E-11	6.70E-09	6.44E-01	3.04E-01	9.28E-01
671.70914	57.18	15.95	15.73	17.31	16.94	7.73E-28	3.67E-01	4.25E-14	1.08E-10	1.75E-14	7.15E-14	5.15E-02
671.76909	51.54	12.51	13.44	13.80	13.71	4.57E-07	1.05E-03	1.37E-06	1.80E-05	4.65E-01	7.17E-01	9.84E-01
671.86534	58.11	11.75	12.35	13.15	13.11	1.07E-10	3.03E-02	2.71E-09	2.62E-08	2.07E-03	5.83E-03	9.98E-01
671.95171	47.93	12.39	11.97	11.35	12.64	6.22E-06	3.41E-01	2.06E-04	7.43E-01	6.90E-02	5.25E-02	7.21E-06
672.2928	204.54	17.26	18.57	18.71	18.12	1.14E-19	4.69E-14	4.24E-14	4.25E-07	8.03E-01	2.49E-02	1.28E-03
672.47001	293.21	15.96	19.82	19.19	19.02	1.47E-17	4.37E-14	3.09E-12	1.62E-10	4.78E-01	2.88E-01	9.80E-01
672.66626	68.63	10.18	8.48	11.52	11.19	2.97E-09	1.84E-03	2.14E-02	1.57E-01	5.83E-09	6.25E-07	9.02E-01
672.70385	56.57	18.77	19.06	20.03	19.74	7.54E-23	8.95E-02	3.67E-14	1.03E-12	7.13E-13	9.27E-07	1.09E-01
672.72616	60.59	14.03	12.95	13.06	13.38	4.54E-14	6.64E-13	5.92E-11	3.26E-05	8.55E-01	1.61E-02	1.15E-01
672.74247	54.8	13.93	11.86	13.32	13.55	1.31E-12	1.01E-12	9.59E-02	5.07E-01	7.83E-07	2.72E-08	8.37E-01
672.7536	47.46	13.68	12.82	13.00	13.23	1.07E-03	7.72E-04	1.13E-02	1.95E-01	8.59E-01	3.01E-01	7.54E-01
672.76368	52.4	14.06	12.56	12.70	13.10	2.63E-23	3.46E-14	4.26E-14	1.12E-09	7.40E-01	1.65E-03	3.51E-02
672.79877	39.72	11.91	12.54	12.37	12.41	1.66E-01	1.47E-01	4.00E-01	3.65E-01	9.42E-01	9.72E-01	9.99E-01
672.8155	32.88	12.84	13.11	13.38	13.21	5.14E-01	8.87E-01	4.45E-01	7.52E-01	8.83E-01	9.92E-01	9.72E-01

672.83898	43.09	15.92	18.04	17.73	18.00	8.16E-22	4.44E-14	7.39E-14	4.16E-14	4.98E-01	9.97E-01	6.44E-01
672.85965	42.67	14.47	16.92	16.48	16.58	2.41E-17	4.53E-14	2.15E-11	1.10E-11	3.90E-01	6.43E-01	9.84E-01
673.12925	65.33	8.71	13.02	8.40	8.95	8.46E-51	5.11E-15	5.85E-01	7.93E-01	5.11E-15	5.11E-15	1.55E-01
673.29605	206.49	15.22	16.30	16.51	15.64	1.16E-07	3.52E-05	3.93E-07	2.88E-01	8.14E-01	4.01E-02	2.59E-03
673.47848	285.41	16.46	16.96	17.34	17.04	1.36E-01	5.49E-01	9.02E-02	4.39E-01	7.58E-01	9.97E-01	8.75E-01
673.50481	278.65	15.97	12.84	13.94	13.97	3.11E-11	6.95E-12	8.84E-06	2.68E-05	4.93E-02	5.09E-02	1.00E+00
673.70805	51	13.24	11.11	12.34	12.88	2.52E-12	1.83E-12	6.26E-03	5.76E-01	9.28E-05	2.55E-08	2.47E-01
673.71998	56.28	13.74	12.79	13.78	13.60	4.38E-15	1.20E-12	9.86E-01	6.86E-01	4.21E-13	7.08E-09	4.92E-01
673.79995	43.48	12.84	13.37	12.29	13.04	4.95E-03	2.66E-01	2.44E-01	9.11E-01	2.22E-03	7.01E-01	7.64E-02
673.86774	54.62	11.83	9.81	12.55	12.15	3.68E-07	2.25E-04	4.41E-01	9.18E-01	4.42E-07	4.06E-05	8.61E-01
674.29032	199.98	13.71	12.67	12.42	12.99	9.84E-10	1.12E-06	9.80E-10	2.05E-03	6.02E-01	3.93E-01	2.82E-02
674.70259	58	15.95	15.66	17.10	16.71	4.50E-28	7.63E-02	4.22E-14	8.64E-09	7.77E-15	7.08E-14	1.11E-02
674.71848	55.7	14.23	13.24	14.43	14.27	1.35E-30	2.80E-14	1.09E-01	9.78E-01	5.11E-15	3.44E-14	2.98E-01
674.7288	51.28	13.93	12.03	12.36	12.79	1.27E-16	4.27E-14	8.58E-12	1.96E-06	4.02E-01	3.79E-03	2.11E-01
674.77588	54.36	14.50	11.62	10.66	12.30	2.68E-16	4.28E-10	4.29E-14	4.29E-06	1.17E-01	4.20E-01	1.41E-03
674.79767	44.89	18.78	21.29	21.11	21.03	4.92E-40	5.11E-15	5.11E-15	5.11E-15	7.31E-01	4.67E-01	9.67E-01
675.04326	20.16	11.86	12.33	12.20	12.36	2.29E-01	2.95E-01	5.57E-01	2.64E-01	9.69E-01	1.00E+00	9.46E-01
675.10511	26.76	14.53	11.18	11.96	11.10	8.89E-18	5.13E-14	1.31E-09	5.38E-14	2.03E-01	9.98E-01	1.53E-01
675.49525	280.81	14.41	15.48	14.84	16.05	4.93E-05	1.22E-02	5.96E-01	4.07E-05	2.72E-01	4.05E-01	5.48E-03
675.71923	57.31	13.31	11.88	12.77	12.92	3.99E-13	1.09E-13	8.50E-03	1.20E-01	6.17E-06	2.23E-07	8.30E-01
675.76796	47.62	14.29	17.07	16.70	16.64	5.57E-33	5.11E-15	1.15E-14	2.93E-14	3.10E-01	2.00E-01	9.90E-01
675.80103	45.39	15.05	17.44	17.31	17.32	2.41E-35	5.11E-15	5.33E-15	6.00E-15	8.75E-01	9.16E-01	1.00E+00
676.26657	47.92	11.23	12.79	12.17	12.90	1.67E-12	3.52E-10	2.50E-04	6.07E-11	3.76E-02	9.67E-01	1.18E-02
676.30644	203.31	13.59	10.88	11.40	11.90	5.53E-06	4.77E-06	2.82E-04	1.20E-02	7.75E-01	2.71E-01	8.08E-01
676.34552	186.43	12.72	12.77	13.32	13.60	3.78E-02	9.99E-01	2.84E-01	6.18E-02	3.93E-01	1.04E-01	8.69E-01
676.69523	61.74	14.21	11.53	14.23	13.58	1.25E-24	3.15E-14	1.00E+00	6.53E-02	3.33E-14	8.90E-13	6.01E-02
676.71605	58.24	13.94	12.01	13.04	13.46	8.74E-13	2.58E-13	9.43E-04	1.98E-01	2.03E-04	1.68E-07	3.33E-01
676.73451	45.57	18.55	19.01	18.63	18.57	1.20E-03	1.57E-03	8.98E-01	9.97E-01	1.87E-02	6.09E-03	9.68E-01
676.76959	48.67	14.34	15.96	15.58	15.64	6.34E-19	4.26E-14	1.08E-11	6.38E-12	1.21E-01	2.71E-01	9.87E-01
676.79468	40	17.13	19.39	19.23	19.23	1.74E-33	5.11E-15	7.11E-15	1.15E-14	8.09E-01	8.10E-01	1.00E+00
676.84827	42.09	11.32	11.61	12.30	12.81	9.14E-05	8.31E-01	1.86E-02	1.23E-04	1.81E-01	4.06E-03	4.54E-01
677.06503	24.94	10.85	11.68	11.51	11.97	3.45E-03	3.43E-02	1.26E-01	2.22E-03	9.50E-01	7.98E-01	4.72E-01
677.08859	29.81	11.83	11.37	11.51	12.65	1.25E-03	4.81E-01	7.41E-01	6.75E-02	9.75E-01	1.24E-03	4.65E-03
677.45623	227.02	16.30	11.69	14.71	16.32	4.96E-32	5.11E-15	4.73E-05	1.00E+00	7.34E-14	5.33E-15	9.90E-05
677.53744	274.1	15.67	12.27	13.02	13.50	1.74E-06	1.23E-06	2.07E-04	5.46E-03	6.54E-01	2.58E-01	8.87E-01
677.73927	52.19	13.81	13.60	13.36	13.55	1.59E-03	2.60E-01	4.80E-04	1.21E-01	1.58E-01	9.75E-01	3.69E-01
677.76531	41.88	11.17	12.81	12.57	12.73	6.77E-09	1.15E-07	6.28E-06	9.64E-07	8.35E-01	9.94E-01	9.45E-01
677.79164	46.79	11.89	12.78	12.37	12.50	2.56E-02	1.43E-02	3.57E-01	1.75E-01	5.14E-01	8.12E-01	9.70E-01
677.80205	45.03	12.37	13.82	13.44	13.94	9.01E-10	6.55E-08	9.58E-05	1.17E-08	4.13E-01	9.68E-01	2.03E-01
678.40096	188.62	12.61	14.22	14.98	12.61	1.01E-10	1.95E-04	9.13E-09	1.00E+00	2.01E-01	4.43E-04	5.07E-08
678.4596	227.17	14.10	10.24	11.58	14.11	1.45E-25	3.53E-14	1.46E-10	1.00E+00	1.95E-03	4.12E-14	1.06E-09
678.67195	71.15	15.78	14.68	16.39	15.90	6.39E-25	5.90E-13	6.09E-05	8.31E-01	6.22E-15	8.49E-14	3.82E-03
678.73247	56.66	14.90	14.13	14.13	14.29	7.50E-12	6.68E-10	5.19E-10	2.03E-06	1.00E+00	5.59E-01	5.64E-01
678.75021	44.48	19.08	20.34	20.40	20.23	2.46E-40	5.11E-15	5.11E-15	5.33E-15	8.78E-01	6.78E-01	2.50E-01
678.7776	45.66	12.74	12.36	11.99	12.67	4.87E-02	5.50E-01	4.75E-02	9.96E-01	6.04E-01	7.33E-01	1.15E-01

678.785	40.27	14.05	13.00	12.89	13.24	3.76E-09	4.26E-07	1.59E-08	2.28E-04	9.43E-01	6.25E-01	2.95E-01
678.8085	44.52	14.24	17.45	17.52	17.53	2.31E-34	5.77E-15	5.33E-15	5.77E-15	9.95E-01	9.92E-01	1.00E+00
679.11736	64.49	12.64	16.23	10.50	11.16	2.56E-123	5.11E-15	5.11E-15	5.33E-15	5.11E-15	5.11E-15	6.02E-07
679.54833	289.26	15.46	11.21	11.37	12.24	2.15E-34	5.11E-15	5.11E-15	4.11E-14	9.56E-01	1.22E-02	4.69E-02
679.75516	45.99	13.96	13.47	13.61	13.71	3.31E-05	1.33E-05	3.19E-03	6.66E-02	5.21E-01	1.27E-01	8.14E-01
679.78752	44.42	15.18	15.76	14.91	15.15	2.70E-03	4.77E-02	6.12E-01	9.99E-01	1.32E-03	4.65E-02	7.43E-01
680.12554	64.98	12.45	12.86	10.45	11.10	1.48E-64	9.84E-04	5.11E-15	5.77E-15	5.11E-15	5.11E-15	8.11E-08
680.31883	202.4	17.71	17.73	18.01	18.15	6.83E-04	9.96E-01	5.39E-02	2.13E-03	1.10E-01	6.20E-03	6.79E-01
680.37857	189.62	13.56	14.00	15.33	13.85	1.01E-06	5.36E-01	8.41E-07	8.31E-01	5.71E-04	9.70E-01	1.38E-04
680.66594	73.03	11.93	9.42	11.84	11.63	2.50E-19	4.35E-14	9.86E-01	6.85E-01	4.46E-14	1.61E-12	8.72E-01
680.6852	67.27	16.35	15.40	17.18	16.74	4.23E-25	2.03E-09	1.10E-07	3.98E-02	6.88E-15	4.44E-14	2.07E-02
680.74699	46.98	18.03	19.02	19.05	18.89	1.59E-34	5.11E-15	5.11E-15	3.04E-14	9.70E-01	4.00E-01	1.85E-01
680.78509	40.06	12.70	13.10	12.92	13.26	1.68E-02	1.06E-01	5.72E-01	1.21E-02	7.58E-01	8.34E-01	2.71E-01
680.80526	49.24	14.07	12.89	12.72	13.72	2.63E-06	2.40E-04	1.51E-05	6.18E-01	9.35E-01	2.95E-02	4.68E-03
680.82583	43.54	16.61	17.58	17.34	17.76	2.95E-09	7.30E-07	2.41E-04	9.12E-09	5.65E-01	7.76E-01	1.19E-01
680.84589	44.43	12.35	12.66	12.89	13.23	1.14E-02	6.41E-01	1.58E-01	6.27E-03	8.15E-01	1.60E-01	5.97E-01
680.97137	60.09	12.91	14.64	10.73	11.63	1.90E-70	7.99E-15	5.11E-15	5.75E-14	5.11E-15	5.11E-15	5.73E-08
681.11926	65.25	10.18	13.21	8.32	8.70	2.78E-40	4.31E-14	1.58E-08	1.81E-05	5.11E-15	5.11E-15	6.40E-01
681.29734	244.42	16.93	18.52	19.00	17.59	9.05E-24	6.10E-14	2.42E-14	3.86E-03	6.79E-02	2.43E-05	6.66E-11
681.32239	202.46	15.80	14.18	15.08	15.74	1.43E-10	8.53E-10	1.47E-02	9.95E-01	1.77E-03	2.17E-08	4.50E-02
681.51093	232.42	20.39	21.10	21.56	20.78	9.44E-03	1.88E-01	4.82E-03	7.00E-01	5.59E-01	8.31E-01	1.46E-01
681.70859	57.67	13.73	12.61	13.82	13.71	2.99E-22	4.16E-14	8.43E-01	1.00E+00	4.20E-14	4.53E-14	8.22E-01
681.75166	51.77	13.50	12.98	12.95	13.58	3.99E-03	7.29E-02	4.81E-02	9.78E-01	9.99E-01	3.69E-02	2.38E-02
681.78996	45.65	12.45	12.85	11.52	12.78	1.72E-03	6.95E-01	5.16E-02	8.19E-01	2.45E-03	9.98E-01	6.24E-03
682.30067	244.81	13.51	16.51	17.04	15.37	7.92E-26	4.10E-14	9.77E-15	4.24E-08	3.16E-01	2.53E-03	1.93E-06
682.33408	206.98	14.72	12.74	12.11	13.07	3.58E-11	5.59E-07	2.00E-11	6.82E-05	3.02E-01	8.20E-01	5.10E-02
682.36018	165.69	11.66	15.82	16.59	11.50	6.79E-29	4.53E-14	3.69E-14	9.87E-01	3.79E-01	4.46E-14	4.12E-14
682.5133	232.65	19.28	19.90	20.40	19.71	5.95E-03	2.04E-01	2.33E-03	5.53E-01	4.08E-01	9.37E-01	1.55E-01
682.68523	66.59	15.07	12.40	15.48	15.06	9.74E-38	5.11E-15	1.73E-01	1.00E+00	5.11E-15	5.77E-15	1.93E-01
682.70696	57.86	14.09	13.29	15.03	14.72	1.13E-20	1.15E-05	1.85E-07	1.53E-03	4.09E-14	1.41E-13	2.73E-01
682.74167	34.16	13.97	13.35	13.39	13.81	1.89E-03	6.13E-03	1.13E-02	8.39E-01	9.96E-01	9.65E-02	1.47E-01
682.76287	49.38	14.75	13.68	13.94	14.66	4.35E-03	1.05E-02	8.21E-02	9.95E-01	8.76E-01	3.41E-02	1.83E-01
682.78393	50.87	17.78	18.86	19.38	19.24	4.22E-33	4.17E-14	5.11E-15	7.33E-15	1.54E-04	1.60E-02	6.49E-01
682.82309	41.29	12.54	12.52	12.30	13.19	7.93E-02	1.00E+00	8.79E-01	2.41E-01	9.13E-01	2.35E-01	5.56E-02
682.88218	52.93	12.97	14.04	10.95	11.63	2.56E-81	4.06E-14	5.11E-15	5.33E-15	5.11E-15	5.11E-15	6.06E-09
682.89045	55.21	13.18	13.02	11.30	11.90	1.93E-51	4.39E-01	5.11E-15	7.77E-15	5.11E-15	4.22E-14	3.98E-07
682.90719	62.52	12.66	16.16	10.63	11.57	2.39E-91	5.11E-15	5.11E-15	7.97E-10	5.11E-15	5.11E-15	2.33E-07
683.08059	19.29	8.82	14.04	12.96	10.94	2.45E-30	5.11E-15	3.69E-14	2.51E-06	4.21E-02	1.72E-11	1.25E-05
683.28239	172.49	13.83	14.07	14.85	13.88	3.30E-04	7.87E-01	4.72E-04	9.98E-01	1.67E-02	8.93E-01	2.02E-03
683.52143	235.69	18.88	18.95	19.39	19.26	2.09E-01	9.94E-01	2.41E-01	5.34E-01	3.94E-01	7.07E-01	9.68E-01
683.70756	50.71	12.81	10.51	12.37	12.22	4.79E-13	4.71E-13	3.99E-01	1.82E-01	8.77E-09	3.56E-07	9.59E-01
683.75317	48.97	14.20	15.48	15.15	14.99	1.47E-18	4.09E-14	1.51E-11	6.94E-08	5.72E-02	1.83E-03	6.21E-01
683.78436	48.55	12.48	12.56	12.77	12.97	2.53E-01	9.89E-01	6.56E-01	2.41E-01	8.50E-01	4.25E-01	8.78E-01
684.28383	172.23	8.87	9.85	10.20	9.63	4.38E-03	4.72E-02	2.34E-03	1.96E-01	7.94E-01	9.49E-01	4.73E-01
684.34968	197.84	15.28	13.56	14.41	13.52	7.43E-08	1.15E-06	3.13E-02	1.16E-06	5.02E-02	9.99E-01	4.19E-02

684.52929	238.52	16.71	17.00	17.46	17.38	1.24E-01	8.41E-01	1.33E-01	2.49E-01	5.64E-01	7.36E-01	9.95E-01
684.67905	63.46	13.79	10.39	12.41	12.46	5.16E-51	5.11E-15	5.33E-14	6.40E-13	6.88E-15	7.33E-15	9.87E-01
684.69942	63.68	14.02	11.10	12.86	12.86	1.86E-27	5.11E-15	1.38E-06	3.38E-06	1.25E-12	5.82E-12	1.00E+00
684.7205	57.32	17.08	16.22	17.54	17.41	2.72E-22	1.36E-10	6.99E-04	3.78E-02	3.46E-14	4.23E-14	7.13E-01
684.74273	54.34	18.41	19.34	20.13	19.86	2.99E-35	1.11E-12	5.11E-15	7.77E-15	1.88E-09	2.50E-04	1.20E-01
684.78105	48.07	16.52	17.91	17.89	17.98	3.82E-36	5.11E-15	5.11E-15	5.11E-15	9.99E-01	9.37E-01	8.83E-01
684.8991	53.42	9.63	12.81	9.86	10.58	3.08E-12	1.60E-11	9.51E-01	1.37E-01	7.97E-10	9.97E-06	3.71E-01
684.90899	61.47	9.55	14.06	9.73	9.94	2.82E-35	5.11E-15	9.48E-01	6.64E-01	5.11E-15	7.77E-15	9.31E-01
685.35629	179.34	11.44	12.33	12.83	9.15	9.58E-11	2.84E-01	2.74E-02	6.96E-05	7.60E-01	3.68E-08	1.29E-10
685.51934	246.89	15.71	15.13	15.55	15.30	2.09E-01	1.94E-01	9.49E-01	5.10E-01	4.84E-01	9.49E-01	8.32E-01
685.53284	244.41	20.03	19.37	19.58	19.74	2.65E-08	7.90E-09	1.32E-04	3.55E-02	1.90E-01	5.02E-03	4.79E-01
685.72944	47.68	13.85	12.99	12.84	13.09	5.55E-11	7.70E-08	2.29E-10	4.87E-06	7.69E-01	9.10E-01	3.73E-01
685.74188	55.21	13.15	12.47	13.09	13.11	3.85E-05	1.02E-04	9.81E-01	9.94E-01	6.53E-04	6.96E-04	9.99E-01
685.75019	52	14.52	15.66	15.79	15.69	4.55E-18	1.06E-12	4.44E-14	1.11E-12	8.18E-01	9.98E-01	9.11E-01
685.79625	43.91	12.45	13.89	13.04	13.56	1.18E-04	8.50E-05	2.55E-01	5.64E-03	5.44E-02	7.67E-01	4.29E-01
685.81179	32.02	12.74	12.12	12.06	12.08	1.68E-02	6.05E-02	3.07E-02	5.05E-02	9.96E-01	9.99E-01	1.00E+00
685.82139	38.27	13.79	13.50	13.46	13.33	1.41E-02	1.75E-01	8.19E-02	9.95E-03	9.89E-01	6.73E-01	8.42E-01
685.90272	51.64	11.03	12.49	12.73	11.92	2.02E-10	1.33E-07	5.17E-10	3.82E-03	7.87E-01	1.39E-01	1.23E-02
686.05048	17.03	11.15	14.56	13.53	13.34	2.34E-27	5.11E-15	4.29E-14	4.04E-13	1.07E-03	1.30E-04	9.10E-01
686.14278	19.01	15.90	13.40	13.76	13.51	2.52E-13	2.62E-11	8.21E-09	5.28E-10	7.27E-01	9.89E-01	8.99E-01
686.30815	207.4	14.99	15.85	16.26	15.07	2.99E-06	7.89E-03	1.58E-05	9.90E-01	4.27E-01	3.16E-02	1.72E-04
686.5208	242.93	14.49	13.17	13.16	13.53	1.88E-12	2.03E-10	9.03E-11	9.06E-06	1.00E+00	2.71E-01	2.33E-01
686.53507	244.01	18.63	17.92	18.16	18.32	1.20E-07	3.41E-08	3.49E-04	5.08E-02	2.02E-01	7.57E-03	5.38E-01
686.67939	57.54	17.87	17.93	19.19	18.81	5.38E-19	9.79E-01	4.31E-14	2.74E-08	1.43E-13	4.48E-07	7.74E-02
686.7003	60.1	16.52	15.99	17.51	17.15	2.83E-31	1.69E-05	4.29E-14	4.82E-07	5.11E-15	4.12E-14	1.20E-02
686.7204	58.4	16.19	14.54	16.23	16.19	3.64E-46	5.11E-15	9.66E-01	1.00E+00	5.11E-15	5.11E-15	9.79E-01
686.74072	54.29	16.85	17.80	18.68	18.36	2.26E-30	4.37E-10	5.11E-15	3.73E-14	1.41E-08	9.22E-04	1.25E-01
686.76962	43.81	12.92	13.25	13.38	13.67	8.63E-04	2.53E-01	4.66E-02	3.10E-04	8.86E-01	1.12E-01	4.00E-01
686.79862	45.29	12.52	12.87	12.78	13.22	1.61E-02	3.42E-01	5.95E-01	6.90E-03	9.75E-01	3.84E-01	1.84E-01
686.85413	44.15	13.10	13.35	13.51	13.64	3.00E-01	8.25E-01	4.75E-01	2.72E-01	9.45E-01	7.82E-01	9.77E-01
686.8751	36.52	12.62	13.92	13.69	14.21	8.89E-05	1.65E-03	1.31E-02	1.05E-04	9.20E-01	8.65E-01	4.99E-01
687.03426	17.06	11.24	16.14	16.36	15.04	7.54E-47	5.11E-15	5.11E-15	6.00E-15	8.83E-01	3.63E-03	2.23E-04
687.27699	137.42	18.08	17.44	17.55	17.33	3.26E-04	3.10E-03	1.89E-02	4.72E-04	9.39E-01	9.37E-01	6.57E-01
687.54229	271.21	21.05	21.34	21.46	21.40	8.63E-04	3.29E-02	7.69E-04	1.05E-02	7.00E-01	9.70E-01	9.30E-01
687.68106	60.3	12.38	9.60	12.03	11.78	2.94E-13	1.13E-12	7.63E-01	3.50E-01	8.05E-10	1.17E-07	8.98E-01
687.74509	55.21	12.69	11.39	13.04	12.57	5.52E-04	6.88E-03	7.96E-01	9.93E-01	3.51E-04	2.62E-02	6.66E-01
687.77315	46.08	12.17	13.54	13.07	13.38	1.38E-09	4.08E-09	1.66E-04	4.93E-07	1.34E-01	8.88E-01	5.05E-01
687.84088	59.44	11.83	11.49	12.78	12.59	1.00E-05	6.09E-01	3.39E-03	3.66E-02	4.57E-05	1.08E-03	9.19E-01
687.9232	50.46	12.88	12.03	11.84	12.36	2.46E-03	1.87E-02	1.95E-03	3.08E-01	9.17E-01	6.88E-01	3.05E-01
687.93037	43.57	13.00	12.03	12.34	12.61	3.21E-03	1.68E-03	5.76E-02	4.66E-01	6.63E-01	1.66E-01	7.66E-01
688.28023	142.21	16.69	13.15	13.90	14.63	1.55E-37	5.11E-15	5.77E-15	4.44E-14	8.32E-03	2.15E-08	1.26E-02
688.54504	266.06	19.60	19.93	20.09	20.27	2.02E-05	6.22E-02	1.54E-03	1.13E-05	6.66E-01	8.23E-02	5.66E-01
688.67792	57.73	16.97	16.77	18.28	17.88	4.40E-19	6.13E-01	3.36E-13	1.08E-06	4.26E-14	5.46E-09	9.13E-02
688.69872	60.98	15.03	13.45	16.25	15.87	2.44E-31	1.60E-12	3.11E-08	4.04E-04	5.11E-15	1.87E-14	2.84E-01
688.71709	58.15	13.61	11.10	12.91	13.22	7.70E-17	4.24E-14	5.03E-02	4.99E-01	2.53E-09	1.81E-11	7.07E-01

688.73755	55.08	13.23	12.49	12.80	13.00	7.00E-05	2.59E-05	3.48E-02	5.01E-01	2.02E-01	1.15E-02	6.22E-01
688.77394	40.95	11.90	13.25	13.23	13.23	1.10E-12	5.62E-10	8.63E-10	3.38E-09	9.99E-01	9.99E-01	1.00E+00
688.7895	35.97	13.13	13.25	13.32	13.58	1.85E-01	9.34E-01	7.82E-01	1.31E-01	9.87E-01	4.02E-01	5.95E-01
688.81263	45.34	16.84	18.64	18.51	18.64	9.93E-26	3.72E-14	4.33E-14	4.04E-14	8.62E-01	1.00E+00	8.68E-01
688.83459	39.25	14.17	16.61	16.43	16.51	2.75E-27	2.40E-14	4.01E-14	4.02E-14	8.59E-01	9.68E-01	9.90E-01
688.91984	64.73	12.83	12.93	10.78	11.46	2.58E-63	8.03E-01	5.11E-15	5.11E-15	5.11E-15	5.11E-15	5.66E-09
689.2844	150.36	13.55	11.97	12.02	12.04	3.17E-09	1.87E-07	3.54E-07	1.34E-06	9.98E-01	9.95E-01	1.00E+00
689.29452	158.76	12.46	10.44	10.66	10.57	1.73E-07	1.93E-06	2.26E-05	1.66E-05	9.43E-01	9.89E-01	9.96E-01
689.5536	289.86	17.48	18.77	19.39	19.07	8.03E-15	2.49E-07	6.95E-14	5.12E-10	4.46E-02	5.96E-01	5.59E-01
689.69427	59.66	13.56	11.63	12.97	12.97	1.18E-12	2.73E-13	6.83E-02	8.10E-02	5.03E-07	1.32E-06	1.00E+00
689.77956	46.53	13.17	13.32	12.70	13.54	9.09E-02	9.66E-01	4.71E-01	6.74E-01	2.47E-01	9.15E-01	6.67E-02
689.79341	44.93	11.66	13.32	12.82	13.20	3.59E-07	1.19E-06	1.14E-03	1.36E-05	3.86E-01	9.83E-01	6.40E-01
689.81582	37.89	11.79	12.56	12.38	12.53	6.70E-02	8.62E-02	2.57E-01	1.18E-01	9.50E-01	1.00E+00	9.71E-01
689.83763	40.15	10.95	12.84	12.91	12.89	5.21E-07	2.65E-05	9.57E-06	2.77E-05	9.98E-01	1.00E+00	1.00E+00
690.56044	296.85	16.41	17.62	18.27	17.82	8.91E-21	4.04E-10	3.66E-14	1.74E-12	2.25E-03	7.15E-01	7.28E-02
690.67238	51.68	12.44	10.98	12.16	12.62	1.78E-07	3.58E-06	7.57E-01	9.19E-01	3.65E-04	6.40E-07	4.02E-01
690.69197	59.14	13.56	11.59	13.41	13.31	6.40E-19	4.30E-14	8.92E-01	6.68E-01	6.48E-14	1.76E-12	9.72E-01
690.7713	41.23	19.37	21.46	21.40	21.26	2.20E-50	5.11E-15	5.11E-15	5.11E-15	9.67E-01	3.92E-01	6.65E-01
690.81101	44.91	14.84	14.89	14.58	15.65	7.85E-02	9.99E-01	9.12E-01	2.05E-01	8.71E-01	2.80E-01	5.50E-02
691.25005	156.93	12.63	10.52	10.67	11.48	3.09E-19	4.37E-14	4.57E-14	6.89E-06	9.10E-01	4.12E-04	3.92E-03
691.45646	246.18	19.35	19.53	19.23	17.94	1.96E-10	8.65E-01	9.39E-01	2.40E-08	5.51E-01	1.03E-09	7.33E-07
691.56011	298.95	11.19	11.68	11.84	12.07	2.86E-03	1.57E-01	2.80E-02	1.84E-03	9.10E-01	4.02E-01	7.90E-01
691.57002	296.84	11.30	11.78	11.77	12.02	3.07E-02	2.01E-01	1.98E-01	1.97E-02	1.00E+00	7.64E-01	7.53E-01
691.74074	50.73	13.43	14.97	14.77	14.78	2.94E-16	7.75E-14	1.71E-11	6.59E-11	7.22E-01	7.60E-01	1.00E+00
691.77568	47.44	15.36	17.44	17.39	17.33	1.53E-40	5.11E-15	5.11E-15	5.11E-15	9.89E-01	8.84E-01	9.73E-01
692.46013	238.65	17.55	17.78	17.21	15.64	1.43E-12	8.27E-01	5.77E-01	3.17E-10	1.62E-01	7.82E-12	4.59E-07
692.70841	50.01	18.58	18.48	19.29	19.04	9.80E-17	7.55E-01	4.08E-12	1.76E-05	8.10E-14	3.70E-07	5.86E-02
692.74046	50.75	13.46	14.42	14.23	14.35	5.63E-08	3.84E-07	6.07E-05	4.69E-06	6.88E-01	9.84E-01	8.92E-01
692.76893	41.45	18.11	19.79	19.79	19.69	9.11E-48	5.11E-15	5.11E-15	5.11E-15	1.00E+00	7.69E-01	7.99E-01
692.82112	39.16	12.74	13.15	12.86	13.20	1.94E-02	6.51E-02	8.74E-01	3.80E-02	3.25E-01	9.94E-01	2.20E-01
693.47235	272.79	23.91	23.91	23.51	23.50	2.01E-02	1.00E+00	9.91E-02	1.06E-01	1.11E-01	1.17E-01	1.00E+00
693.71287	57.66	13.86	12.53	13.47	13.50	1.58E-16	4.39E-14	3.03E-02	7.13E-02	2.86E-09	2.67E-09	9.96E-01
693.73749	51.7	11.86	12.61	12.44	12.94	5.80E-04	1.85E-02	1.04E-01	2.67E-04	9.09E-01	5.96E-01	2.26E-01
693.76849	49.58	13.16	12.96	12.72	13.01	3.11E-01	8.26E-01	2.32E-01	9.25E-01	7.50E-01	9.97E-01	6.36E-01
693.77773	46.66	12.43	13.94	13.77	13.99	9.59E-11	1.36E-08	3.76E-07	1.02E-08	9.07E-01	9.97E-01	8.24E-01
693.78766	40.03	12.42	14.54	13.31	13.99	1.46E-10	9.55E-11	1.44E-02	3.68E-06	4.52E-04	3.03E-01	1.36E-01
694.06625	16.92	10.35	13.85	13.18	12.57	6.81E-23	2.66E-14	4.33E-14	5.46E-10	1.62E-01	8.88E-04	2.53E-01
694.10376	18.21	11.65	16.49	15.00	13.92	2.52E-14	4.95E-14	4.22E-08	6.38E-04	4.76E-02	1.21E-04	2.56E-01
694.33472	203.78	16.06	14.70	15.40	15.67	3.30E-07	7.50E-08	2.10E-02	3.49E-01	1.69E-02	5.07E-04	6.75E-01
694.4304	203.24	14.29	17.09	17.11	16.28	3.57E-29	9.77E-15	7.55E-15	1.58E-13	1.00E+00	8.19E-03	5.82E-03
694.47576	267.52	22.46	22.42	22.09	22.01	4.30E-02	9.96E-01	1.98E-01	8.70E-02	3.21E-01	1.58E-01	9.71E-01
694.64561	72.19	11.76	10.94	14.60	13.43	1.39E-12	3.11E-01	5.12E-08	4.27E-03	8.94E-12	8.54E-06	9.52E-02
694.7063	59.88	16.66	15.75	17.00	16.79	1.09E-18	3.38E-11	4.06E-02	7.55E-01	4.26E-14	9.92E-13	4.07E-01
694.72415	54.48	18.99	19.68	20.13	19.89	1.97E-37	4.41E-14	5.11E-15	7.77E-15	3.71E-08	3.17E-02	1.10E-02
694.76004	43.29	14.14	12.73	12.99	13.33	1.51E-18	4.22E-14	6.24E-13	8.40E-07	2.82E-01	7.28E-04	1.29E-01

694.78387	40.16	14.47	17.48	17.41	17.60	1.08E-38	5.11E-15	5.11E-15	5.11E-15	9.92E-01	9.47E-01	8.43E-01
694.99726	17.63	10.40	13.29	13.02	12.69	2.05E-13	6.44E-12	2.81E-10	1.18E-07	9.02E-01	4.40E-01	8.34E-01
695.00534	21.09	12.80	16.88	16.86	15.73	2.17E-24	3.80E-14	3.89E-14	1.82E-11	1.00E+00	2.68E-02	2.89E-02
695.04636	19.96	11.14	13.90	13.87	13.27	9.51E-29	1.04E-14	1.07E-14	4.60E-14	9.99E-01	5.23E-02	7.21E-02
695.08797	17.87	10.33	14.60	14.76	13.97	2.21E-11	4.28E-09	7.86E-10	1.33E-06	9.96E-01	8.00E-01	6.62E-01
695.31257	244.74	16.14	17.28	17.84	16.09	1.60E-14	8.59E-06	1.49E-11	9.97E-01	8.98E-02	1.11E-05	4.66E-11
695.47179	280.54	20.00	20.61	20.28	20.23	2.70E-01	1.91E-01	7.95E-01	8.80E-01	7.09E-01	6.44E-01	9.99E-01
695.72799	57.07	13.55	12.80	13.06	13.11	1.45E-05	4.16E-06	4.48E-03	1.94E-02	3.21E-01	1.94E-01	9.86E-01
695.75484	43.07	12.41	12.85	12.43	13.00	2.06E-02	1.92E-01	1.00E+00	4.92E-02	2.46E-01	9.22E-01	6.98E-02
695.76128	47.16	13.70	14.80	14.14	14.51	3.02E-08	2.12E-08	7.07E-02	8.10E-05	1.84E-03	4.35E-01	1.76E-01
696.29266	203.86	15.45	16.41	17.02	16.48	2.08E-13	4.02E-06	7.62E-14	1.55E-06	1.01E-02	9.89E-01	3.30E-02
696.31619	245.12	14.27	15.30	15.89	13.48	7.05E-13	4.36E-03	8.58E-07	5.12E-02	2.13E-01	1.90E-07	3.16E-12
696.37138	176.13	11.05	15.44	15.50	10.76	6.41E-29	4.44E-14	4.29E-14	9.22E-01	9.99E-01	4.11E-14	4.20E-14
696.47028	282.1	17.11	18.50	18.27	17.93	1.68E-03	1.51E-03	1.05E-02	1.44E-01	9.35E-01	4.82E-01	8.22E-01
696.65499	70.93	10.28	7.41	11.53	11.04	5.74E-12	1.85E-06	9.93E-02	5.31E-01	1.57E-11	8.66E-09	8.25E-01
696.66286	68.69	14.17	11.59	15.52	14.57	2.05E-36	4.13E-14	5.17E-07	3.90E-01	5.11E-15	1.62E-14	1.59E-03
696.72068	52.92	18.12	18.49	18.89	18.73	9.43E-17	9.80E-05	4.31E-14	1.07E-10	3.70E-05	3.47E-02	2.92E-01
696.76107	47.04	12.10	13.97	13.41	13.82	8.15E-14	1.45E-12	5.27E-07	1.98E-10	1.06E-01	9.30E-01	3.74E-01
696.77898	47.78	14.23	13.17	13.58	14.40	4.90E-09	1.20E-06	5.76E-03	8.37E-01	1.78E-01	8.05E-08	5.73E-04
696.79991	43.38	16.81	18.12	17.65	18.07	2.57E-14	1.06E-12	4.82E-06	2.09E-11	3.06E-02	9.92E-01	7.68E-02
696.82468	43.51	12.56	12.91	12.98	13.06	2.74E-01	5.76E-01	4.08E-01	2.69E-01	9.94E-01	9.46E-01	9.90E-01
696.944	59.71	10.19	15.80	9.22	9.72	1.13E-64	5.11E-15	3.95E-03	3.76E-01	5.11E-15	5.11E-15	3.40E-01
697.08974	65.99	12.49	12.65	10.29	11.18	9.96E-27	8.74E-01	3.33E-14	2.13E-08	2.31E-14	1.02E-09	2.98E-04
697.29576	204.54	12.13	12.61	13.04	12.43	5.56E-02	4.79E-01	3.18E-02	8.21E-01	5.82E-01	9.55E-01	2.96E-01
697.35664	179.54	12.92	15.17	15.98	11.22	6.26E-17	1.13E-04	5.31E-08	8.04E-03	4.24E-01	3.69E-11	4.52E-14
697.48022	294.28	16.83	17.56	17.63	17.40	1.95E-01	2.82E-01	2.02E-01	5.39E-01	9.98E-01	9.80E-01	9.46E-01
697.6801	60.09	12.70	10.63	11.84	12.07	4.12E-13	9.13E-14	3.13E-03	6.70E-02	1.86E-05	5.98E-07	8.11E-01
697.76133	45.57	13.14	13.18	13.49	13.45	3.41E-01	9.98E-01	4.38E-01	5.73E-01	5.71E-01	6.98E-01	9.99E-01
697.77443	44.34	11.40	12.59	11.66	12.86	1.03E-04	5.19E-03	8.76E-01	4.63E-04	5.46E-02	8.84E-01	7.71E-03
697.79638	42.33	12.97	12.82	11.72	12.10	2.48E-04	9.63E-01	5.53E-04	3.80E-02	4.62E-03	1.37E-01	6.77E-01
697.95018	58.64	12.44	12.46	10.54	11.13	2.18E-38	1.00E+00	5.11E-15	4.31E-14	5.11E-15	4.25E-14	3.06E-04
697.96581	282.6	15.51	15.19	11.96	14.76	3.48E-16	8.66E-01	4.86E-14	2.90E-01	3.09E-12	7.55E-01	3.26E-09
698.51379	292.39	17.50	16.02	15.81	16.03	1.64E-10	2.10E-07	2.05E-09	5.55E-07	8.61E-01	1.00E+00	8.49E-01
698.65554	67.91	12.58	10.65	12.18	12.35	1.07E-11	3.02E-11	4.18E-01	8.30E-01	2.68E-07	2.86E-08	9.26E-01
698.68345	60.29	13.41	10.78	13.08	12.90	9.32E-23	3.26E-14	5.26E-01	1.77E-01	4.29E-14	1.19E-13	8.92E-01
698.71505	51.07	14.02	12.71	13.04	13.50	6.43E-13	9.45E-13	4.94E-08	1.23E-02	2.30E-01	7.35E-05	4.22E-02
698.72711	54.32	15.58	14.34	14.57	15.29	4.14E-12	1.27E-10	1.47E-07	3.88E-01	5.62E-01	3.43E-06	6.72E-04
698.75797	46.49	17.07	17.70	18.51	18.35	1.45E-25	8.77E-06	1.60E-14	4.34E-14	1.24E-08	1.13E-05	6.50E-01
698.7773	49.16	12.93	13.29	12.70	13.26	8.96E-02	5.12E-01	7.96E-01	6.14E-01	1.15E-01	9.99E-01	1.67E-01
698.79696	47.27	13.65	13.17	12.84	13.57	8.67E-02	5.06E-01	9.21E-02	9.96E-01	8.00E-01	6.88E-01	1.92E-01
698.81604	41.57	15.80	18.54	18.01	18.05	1.92E-25	1.51E-14	4.16E-14	4.15E-14	1.28E-01	2.15E-01	9.98E-01
698.88144	63.85	9.93	14.49	9.23	9.85	1.88E-52	5.11E-15	4.46E-02	9.92E-01	5.11E-15	5.11E-15	1.21E-01
698.93832	53.72	12.58	12.09	10.54	11.26	2.58E-39	1.04E-03	5.11E-15	4.37E-14	1.02E-14	2.48E-08	1.53E-06
699.49667	284.4	15.41	17.23	17.00	16.93	4.31E-07	1.80E-06	3.04E-05	1.51E-04	9.18E-01	8.41E-01	9.97E-01
699.51973	285.93	18.12	15.24	15.66	15.93	2.71E-25	1.69E-14	4.27E-14	6.91E-14	3.53E-01	4.86E-02	7.43E-01

699.72748	52.78	13.63	14.38	14.48	14.34	2.90E-08	5.98E-06	1.35E-07	3.09E-05	8.96E-01	9.96E-01	7.97E-01
699.75731	50.37	12.44	12.00	12.43	12.43	5.17E-01	5.67E-01	1.00E+00	1.00E+00	5.97E-01	6.27E-01	1.00E+00
700.30645	211.41	14.14	13.16	12.78	13.99	1.06E-07	8.04E-04	7.64E-07	9.30E-01	4.38E-01	1.23E-02	4.68E-05
700.52823	290.38	17.49	16.21	16.00	16.54	4.17E-04	3.90E-03	3.98E-04	6.42E-02	9.40E-01	8.38E-01	5.01E-01
700.67103	65.39	13.39	10.25	12.04	12.66	1.67E-26	5.33E-15	7.70E-07	2.49E-02	1.30E-10	4.13E-14	8.43E-02
700.69431	59.84	15.39	13.34	15.93	15.66	1.28E-32	2.86E-14	2.38E-02	5.29E-01	5.11E-15	1.07E-14	5.14E-01
700.71675	55.39	17.58	17.94	18.99	18.74	7.70E-26	2.55E-02	1.91E-14	4.37E-14	1.63E-13	4.51E-08	2.15E-01
700.73206	55.08	13.32	13.28	12.65	13.13	4.54E-02	9.99E-01	4.79E-02	8.97E-01	8.08E-02	9.46E-01	2.85E-01
700.755	50.67	16.68	17.45	17.57	17.52	1.25E-26	4.27E-14	2.02E-14	3.93E-14	4.66E-01	8.19E-01	9.49E-01
700.79211	47.67	11.58	11.75	11.60	13.03	5.05E-05	9.57E-01	1.00E+00	1.36E-04	9.72E-01	1.41E-03	2.42E-04
700.81659	35.75	12.84	12.55	12.98	13.24	3.57E-02	5.82E-01	9.14E-01	2.96E-01	2.39E-01	2.02E-02	6.86E-01
700.87538	55.51	11.25	13.05	9.73	10.59	1.26E-24	1.16E-09	3.05E-07	8.74E-02	7.33E-15	4.94E-14	1.46E-02
700.88744	50.94	9.09	13.17	8.01	8.98	3.76E-22	5.02E-14	9.71E-02	9.96E-01	3.46E-14	7.26E-14	1.99E-01
701.29327	147.85	14.19	10.40	9.67	10.91	1.31E-28	4.09E-14	5.33E-15	4.46E-14	2.01E-01	5.51E-01	7.08E-03
701.51348	265.21	13.17	20.53	19.71	20.51	1.24E-39	5.11E-15	5.11E-15	5.11E-15	4.06E-01	1.00E+00	4.41E-01
701.53297	286.27	16.86	14.35	14.09	14.47	2.63E-13	9.53E-10	1.12E-11	1.45E-08	9.07E-01	9.90E-01	7.67E-01
701.702	59.25	13.88	11.36	13.99	13.64	1.71E-21	4.39E-14	9.75E-01	8.00E-01	4.37E-14	1.37E-13	5.72E-01
701.72394	55.3	13.27	12.50	13.04	13.19	1.26E-04	1.12E-04	5.60E-01	9.70E-01	1.52E-02	1.51E-03	8.55E-01
701.73449	50.7	11.49	11.90	12.47	12.52	8.29E-03	6.20E-01	1.97E-02	1.85E-02	3.52E-01	3.17E-01	9.99E-01
701.77262	46.17	11.90	15.79	15.13	15.23	6.86E-30	5.33E-15	3.70E-14	3.93E-14	1.65E-01	3.22E-01	9.90E-01
701.79381	33.68	13.54	13.23	13.03	13.00	3.84E-02	4.44E-01	6.06E-02	5.53E-02	7.62E-01	7.11E-01	9.99E-01
702.05154	16.84	10.31	15.17	14.81	13.80	4.20E-35	5.11E-15	5.11E-15	4.26E-14	7.48E-01	1.38E-03	2.96E-02
702.07993	20.9	13.78	17.01	17.10	15.98	2.25E-18	4.64E-14	4.26E-14	1.41E-07	9.96E-01	4.38E-02	2.24E-02
702.51681	274.34	14.43	19.10	18.35	18.76	6.53E-34	5.11E-15	1.87E-14	7.33E-15	1.53E-01	7.89E-01	6.76E-01
702.67355	54.85	15.00	12.04	15.65	14.92	1.98E-38	5.11E-15	2.32E-02	9.82E-01	5.11E-15	7.99E-15	1.21E-02
702.69533	61.68	14.79	12.41	14.72	14.29	1.33E-25	1.98E-14	9.87E-01	9.91E-02	3.44E-14	6.63E-14	2.12E-01
702.71478	55.67	16.19	16.54	17.67	17.34	3.07E-21	8.88E-02	4.12E-14	5.97E-12	1.02E-11	3.71E-06	1.49E-01
702.77041	46.66	11.33	13.88	13.42	13.66	1.00E-22	4.09E-14	5.71E-14	4.31E-14	2.61E-01	8.38E-01	7.80E-01
702.8288	42	13.88	14.34	14.11	15.04	1.10E-02	5.37E-01	9.02E-01	6.32E-03	9.16E-01	2.19E-01	5.14E-02
702.84943	44.2	14.61	17.32	17.32	17.36	3.84E-26	4.11E-14	3.94E-14	4.26E-14	1.00E+00	9.99E-01	9.99E-01
703.25098	135.97	15.92	16.50	17.28	16.51	5.90E-10	1.27E-02	4.50E-11	1.36E-02	4.67E-04	1.00E+00	8.43E-04
703.52456	283.18	14.49	16.05	15.43	15.95	5.70E-08	2.36E-07	3.66E-03	2.56E-06	1.20E-01	9.88E-01	2.57E-01
703.5527	289.59	16.57	14.34	14.78	14.01	3.12E-10	9.49E-08	2.19E-05	2.26E-09	6.63E-01	8.46E-01	2.15E-01
703.74655	48.47	12.95	13.37	13.01	13.34	4.51E-02	1.01E-01	9.86E-01	1.49E-01	2.22E-01	9.99E-01	2.98E-01
703.77404	46.34	12.73	13.85	13.33	13.94	8.95E-08	2.48E-06	2.87E-02	7.00E-07	8.00E-02	9.81E-01	3.47E-02
703.90432	55.63	13.85	12.07	12.85	13.66	9.43E-17	4.29E-14	5.93E-06	7.99E-01	1.02E-03	7.86E-12	8.10E-04
704.2545	133.6	13.07	12.44	14.29	13.21	3.85E-05	3.19E-01	5.64E-03	9.84E-01	1.06E-05	2.02E-01	2.82E-02
704.34051	191.84	13.85	13.09	12.06	13.52	7.83E-09	3.69E-02	3.99E-09	6.47E-01	2.05E-03	4.85E-01	7.96E-06
704.67253	63.15	14.00	11.29	14.53	13.54	6.50E-17	1.30E-12	4.27E-01	5.55E-01	4.31E-14	2.27E-08	3.43E-02
704.7119	48.79	13.38	12.01	12.43	12.80	6.32E-07	2.50E-07	5.36E-04	9.16E-02	3.24E-01	1.14E-02	4.56E-01
704.74712	47.57	14.05	15.85	15.02	15.47	1.05E-18	4.31E-14	1.06E-06	4.20E-12	8.73E-05	2.20E-01	8.43E-02
704.76472	45.37	13.08	12.90	13.94	13.89	1.91E-04	9.16E-01	1.16E-02	2.63E-02	1.88E-03	5.01E-03	9.98E-01
704.7866	41.69	17.18	18.66	18.56	18.66	4.64E-27	3.09E-14	4.13E-14	3.71E-14	9.01E-01	1.00E+00	8.99E-01
704.80905	46.71	16.06	19.36	19.41	19.29	1.23E-32	6.88E-15	5.77E-15	1.40E-14	9.99E-01	9.94E-01	9.76E-01
704.89068	64.87	13.24	13.79	11.25	11.93	2.27E-78	3.85E-08	5.11E-15	5.11E-15	5.11E-15	5.11E-15	4.30E-11

705.47143	261.83	18.12	17.49	17.58	16.72	1.64E-04	1.43E-01	2.39E-01	3.52E-05	9.93E-01	6.51E-02	3.06E-02
705.51109	230.47	19.92	19.37	19.98	19.80	6.01E-02	9.80E-02	9.95E-01	9.58E-01	6.14E-02	3.26E-01	8.84E-01
705.79169	45.76	13.62	13.58	13.20	13.74	2.82E-02	9.97E-01	9.64E-02	9.02E-01	1.69E-01	8.29E-01	2.31E-02
705.80923	40.81	13.11	13.00	13.19	13.65	8.48E-03	9.25E-01	9.73E-01	2.97E-02	7.33E-01	6.26E-03	9.65E-02
706.47549	253.58	15.99	15.55	14.76	14.33	3.48E-04	7.07E-01	1.31E-02	4.83E-04	2.21E-01	2.24E-02	7.31E-01
706.51447	230.57	18.79	18.19	18.83	18.70	4.42E-02	6.98E-02	9.99E-01	9.82E-01	5.36E-02	2.06E-01	9.54E-01
706.72395	61.93	14.82	11.29	14.00	14.44	3.33E-34	5.11E-15	5.19E-03	4.37E-01	3.35E-14	7.33E-15	3.26E-01
706.74526	43.92	19.52	21.14	21.29	21.10	1.57E-47	5.11E-15	5.11E-15	5.11E-15	5.29E-01	9.82E-01	3.26E-01
706.78505	47.76	15.66	16.44	16.44	16.66	1.12E-08	1.43E-05	1.25E-05	3.07E-08	1.00E+00	5.46E-01	5.29E-01
706.80564	46.48	13.17	14.42	14.57	14.69	3.31E-15	1.39E-09	8.81E-12	8.46E-13	8.65E-01	5.12E-01	9.20E-01
707.22183	155.76	10.31	10.28	10.95	10.63	1.67E-01	1.00E+00	2.12E-01	7.75E-01	2.07E-01	7.52E-01	8.01E-01
707.46451	285.1	13.30	15.23	10.83	11.79	4.81E-39	7.27E-11	4.26E-14	6.32E-07	5.11E-15	6.88E-15	4.31E-03
707.48759	290.14	20.27	19.23	19.36	19.78	3.55E-03	4.22E-03	1.57E-02	4.10E-01	9.73E-01	3.11E-01	5.48E-01
707.52323	233.57	18.42	18.01	18.39	18.16	5.53E-01	5.88E-01	1.00E+00	8.55E-01	6.55E-01	9.75E-01	8.94E-01
707.71436	54.89	14.55	15.25	15.90	15.46	3.49E-21	2.22E-07	2.62E-14	6.25E-11	3.53E-06	3.93E-01	4.04E-03
707.74972	50.08	14.33	15.02	15.13	15.10	1.14E-21	9.55E-14	4.37E-14	4.22E-14	5.02E-01	7.42E-01	9.86E-01
708.49097	288.12	18.37	16.93	16.66	17.35	1.54E-04	2.24E-03	1.35E-04	6.41E-02	9.06E-01	7.58E-01	3.51E-01
708.52945	235.13	16.19	15.53	15.81	15.71	5.72E-01	5.16E-01	8.56E-01	7.64E-01	9.40E-01	9.84E-01	9.97E-01
708.68225	59.59	18.20	18.02	19.18	18.83	1.11E-31	1.86E-01	2.29E-14	3.57E-10	5.11E-15	5.15E-14	9.54E-04
708.7135	55.02	14.16	14.98	15.62	15.20	8.89E-25	6.80E-10	7.11E-15	9.46E-14	4.36E-06	3.30E-01	6.84E-03
708.72089	48	13.90	12.73	12.73	12.76	8.02E-16	3.09E-12	1.96E-12	2.52E-11	1.00E+00	9.99E-01	9.99E-01
708.7429	50.7	18.44	19.72	19.93	19.78	4.54E-44	5.11E-15	5.11E-15	5.11E-15	1.03E-01	9.32E-01	3.62E-01
708.79071	46.06	12.14	14.29	14.26	15.03	2.26E-10	2.42E-06	2.65E-06	4.14E-10	1.00E+00	3.15E-01	2.76E-01
708.802	44.37	12.96	12.92	12.79	13.04	7.68E-01	9.98E-01	8.84E-01	9.84E-01	9.47E-01	9.57E-01	7.21E-01
709.10612	17.49	12.44	14.48	13.82	13.36	4.03E-05	1.45E-05	6.03E-03	1.50E-01	4.19E-01	5.88E-02	7.20E-01
709.14821	63.07	11.23	16.18	9.57	10.03	2.78E-90	5.11E-15	7.44E-14	1.04E-07	5.11E-15	5.11E-15	1.16E-01
709.25949	157.06	13.81	10.35	10.40	11.35	1.80E-41	5.11E-15	5.11E-15	3.77E-14	9.97E-01	2.38E-04	4.64E-04
709.52866	240.64	19.12	18.17	18.54	18.64	3.99E-14	4.59E-14	1.20E-06	1.56E-04	4.94E-03	3.06E-04	8.18E-01
709.68417	60.99	13.09	10.62	13.26	13.12	3.17E-36	5.11E-15	7.96E-01	9.99E-01	5.11E-15	5.33E-15	8.77E-01
709.71214	48.09	12.49	12.14	12.53	12.89	6.97E-02	5.38E-01	9.99E-01	4.53E-01	4.69E-01	3.64E-02	5.54E-01
709.74494	53.6	13.07	12.38	13.13	13.05	5.30E-02	1.00E-01	9.96E-01	1.00E+00	6.70E-02	1.47E-01	9.93E-01
709.75283	41.32	12.97	12.73	12.51	12.97	8.34E-02	6.43E-01	9.82E-02	1.00E+00	6.94E-01	7.02E-01	1.39E-01
709.76037	46.88	13.07	14.72	14.20	14.53	1.71E-23	2.93E-14	6.77E-12	4.35E-14	4.90E-03	6.43E-01	1.56E-01
710.13103	17.66	10.34	14.08	13.80	14.26	8.23E-25	4.12E-14	4.19E-14	3.99E-14	8.83E-01	9.69E-01	6.45E-01
710.30873	203.34	12.31	11.64	12.63	11.49	2.11E-02	3.48E-01	8.50E-01	1.99E-01	7.80E-02	9.85E-01	3.64E-02
710.47398	290.44	18.21	17.73	16.21	16.58	4.16E-07	5.84E-01	1.84E-06	2.60E-04	7.79E-04	2.46E-02	7.97E-01
710.53047	234.94	17.61	16.41	17.09	17.01	1.30E-09	1.06E-10	1.16E-02	3.30E-03	6.30E-04	5.50E-03	9.63E-01
710.68766	59.65	18.80	18.98	19.90	19.61	1.24E-31	1.64E-01	5.11E-15	4.33E-14	3.92E-14	1.98E-10	9.01E-03
710.73923	46.55	14.21	13.03	13.40	13.74	2.80E-17	4.31E-14	1.31E-09	1.35E-03	2.08E-02	8.83E-07	4.36E-02
710.75871	47.72	14.07	15.38	15.27	15.43	2.23E-29	1.67E-14	3.64E-14	1.38E-14	7.74E-01	9.77E-01	5.34E-01
710.83667	41.14	14.67	17.27	16.77	17.07	4.08E-17	4.88E-14	1.06E-10	1.52E-12	3.64E-01	9.15E-01	7.87E-01
710.97464	286.62	17.34	17.13	15.97	15.97	4.68E-04	9.57E-01	4.21E-03	6.34E-03	2.71E-02	3.54E-02	1.00E+00
711.08208	67.08	12.88	12.52	10.63	11.29	4.68E-38	8.00E-02	5.11E-15	4.09E-14	7.33E-15	5.24E-12	3.02E-04
711.12	17.35	10.98	13.26	12.78	13.51	2.84E-13	2.60E-10	5.27E-07	8.79E-12	4.83E-01	8.86E-01	1.48E-01
711.27738	158.43	13.09	10.04	10.78	11.80	2.18E-20	3.99E-14	7.38E-13	1.84E-04	6.92E-02	2.49E-07	5.55E-03

711.4788	290.02	17.23	16.89	15.56	16.30	1.81E-07	6.55E-01	1.36E-07	1.11E-02	6.53E-05	2.17E-01	7.33E-02
711.54676	251.32	17.10	14.41	16.06	15.99	1.23E-14	4.35E-14	3.09E-03	2.09E-03	9.38E-07	6.48E-06	9.96E-01
711.70063	59.82	14.09	11.50	14.11	13.89	4.50E-28	1.38E-14	1.00E+00	8.39E-01	1.62E-14	4.17E-14	8.05E-01
711.73627	44.05	13.10	12.80	12.89	13.01	3.01E-01	2.67E-01	5.78E-01	9.44E-01	9.48E-01	6.40E-01	9.12E-01
711.76176	46.99	13.01	13.02	12.73	13.27	3.36E-02	1.00E+00	3.39E-01	4.73E-01	3.57E-01	5.06E-01	1.56E-02
711.9809	285.56	14.66	15.59	14.93	14.75	1.00E-02	8.61E-03	7.89E-01	9.89E-01	1.19E-01	3.50E-02	9.41E-01
712.49316	286.97	17.31	19.15	18.94	18.25	5.91E-13	6.21E-12	6.77E-10	1.20E-03	8.35E-01	3.05E-03	3.54E-02
712.69523	48.55	17.80	17.65	18.81	18.53	6.06E-32	3.57E-01	2.31E-14	1.68E-12	5.77E-15	4.37E-14	1.89E-02
712.73368	49.76	13.64	13.48	13.19	13.43	9.53E-03	6.33E-01	3.87E-03	4.33E-01	1.34E-01	9.86E-01	2.88E-01
712.77087	44.61	16.84	18.63	18.09	18.36	4.77E-24	2.26E-14	9.07E-13	4.20E-14	5.74E-03	4.05E-01	3.42E-01
712.79638	47.77	12.25	12.66	13.04	13.04	5.39E-03	3.56E-01	9.56E-03	1.31E-02	4.63E-01	4.88E-01	1.00E+00
712.83252	41.62	13.83	15.25	14.33	14.90	1.93E-03	1.54E-03	5.57E-01	3.56E-02	8.94E-02	8.23E-01	4.86E-01
712.92369	59.09	12.86	17.31	10.77	11.77	1.92E-103	5.11E-15	5.11E-15	3.44E-09	5.11E-15	5.11E-15	8.65E-08
712.93828	53.56	13.51	13.15	11.51	12.25	1.68E-54	2.34E-03	5.11E-15	5.77E-15	5.11E-15	5.03E-14	1.09E-10
713.47736	284.04	15.12	15.94	15.08	15.81	4.54E-02	1.28E-01	1.00E+00	2.73E-01	1.14E-01	9.88E-01	2.45E-01
713.49912	290.82	15.27	16.73	16.24	15.60	6.89E-08	9.22E-08	6.26E-04	5.58E-01	2.18E-01	1.52E-04	7.12E-02
713.69737	59.76	13.92	10.39	12.26	12.54	8.32E-31	5.11E-15	4.65E-10	6.90E-07	1.39E-11	1.17E-13	6.90E-01
713.77413	45.31	13.21	13.05	12.95	13.05	5.46E-01	8.03E-01	4.72E-01	8.18E-01	9.55E-01	1.00E+00	9.56E-01
713.78435	40.36	12.75	12.90	12.85	13.22	2.09E-01	9.04E-01	9.67E-01	1.61E-01	9.96E-01	5.12E-01	3.77E-01
714.50896	252.6	19.76	17.67	17.69	18.08	2.17E-14	5.50E-12	5.26E-12	5.99E-08	1.00E+00	5.03E-01	5.34E-01
714.68602	48.41	13.82	12.22	12.52	13.08	1.50E-15	5.15E-14	8.97E-11	6.51E-04	4.03E-01	1.10E-04	2.20E-02
714.69587	57.71	14.56	13.39	15.03	14.96	1.13E-21	1.39E-11	1.35E-02	6.59E-02	4.23E-14	4.26E-14	9.68E-01
714.73184	55.27	16.14	16.17	17.29	17.10	3.76E-17	9.98E-01	9.47E-13	7.37E-09	1.05E-11	4.52E-08	6.06E-01
714.77111	47.8	13.12	13.81	12.96	14.20	4.80E-03	2.57E-01	9.73E-01	2.58E-02	1.19E-01	7.44E-01	8.78E-03
714.79018	43.29	16.36	19.36	18.99	18.96	4.63E-33	5.11E-15	1.04E-14	2.29E-14	4.00E-01	3.46E-01	9.99E-01
714.91212	56.35	13.15	14.06	11.09	11.85	3.60E-68	1.47E-12	5.11E-15	3.33E-14	5.11E-15	5.11E-15	1.64E-08
714.92232	53.19	12.96	12.79	10.90	11.56	8.03E-55	4.11E-01	5.11E-15	5.33E-15	5.11E-15	3.22E-14	1.26E-07
715.45587	233.61	17.78	18.64	18.52	16.94	1.15E-09	4.85E-03	2.03E-02	8.72E-03	9.65E-01	9.46E-09	8.40E-08
715.49368	293.42	11.83	12.50	14.76	14.16	7.92E-05	7.72E-01	1.77E-04	6.52E-03	8.66E-03	1.05E-01	8.48E-01
715.51203	288.03	17.67	16.77	17.10	16.70	6.36E-03	1.58E-02	2.19E-01	9.66E-03	7.10E-01	9.96E-01	5.81E-01
715.69999	56.14	13.51	12.77	13.97	13.73	1.81E-15	4.53E-07	2.90E-03	3.31E-01	4.30E-14	2.90E-10	3.38E-01
715.78991	41.08	12.25	12.78	12.62	12.91	1.18E-02	4.91E-02	2.59E-01	1.02E-02	8.72E-01	9.33E-01	5.36E-01
716.27834	212.7	12.53	12.95	12.45	12.84	1.43E-01	3.04E-01	9.89E-01	6.04E-01	1.85E-01	9.70E-01	4.31E-01
716.46061	237.98	16.45	16.40	16.27	14.91	1.03E-04	9.99E-01	9.62E-01	2.27E-04	9.86E-01	5.86E-04	1.80E-03
716.50752	200.84	14.03	13.16	13.54	13.25	7.64E-03	7.83E-03	2.60E-01	2.90E-02	5.13E-01	9.86E-01	7.50E-01
716.51357	205.9	14.06	14.25	14.29	13.93	2.52E-01	7.40E-01	6.29E-01	9.16E-01	9.98E-01	3.83E-01	2.90E-01
716.52472	289.03	18.21	16.02	15.93	16.35	3.55E-12	1.15E-09	1.49E-10	5.00E-07	9.92E-01	7.84E-01	6.13E-01
716.69496	57.52	15.84	15.62	17.07	16.77	2.17E-20	4.98E-01	2.50E-13	6.46E-08	4.40E-14	9.43E-11	2.51E-01
716.72125	49.75	13.70	12.42	12.30	13.00	6.87E-24	4.35E-14	3.18E-14	2.18E-06	8.12E-01	1.90E-04	3.55E-06
716.72973	54.95	16.40	16.16	16.69	16.69	6.81E-09	4.32E-02	5.38E-03	9.19E-03	1.14E-07	3.86E-07	1.00E+00
716.78554	42.49	14.74	17.08	16.93	16.71	1.31E-24	3.53E-14	4.29E-14	4.72E-14	9.15E-01	3.86E-01	7.67E-01
716.98794	22.81	11.81	11.92	12.60	12.51	1.29E-01	9.92E-01	1.94E-01	3.28E-01	3.48E-01	5.11E-01	9.96E-01
717.47235	257.88	22.32	23.66	23.07	22.58	4.98E-10	4.68E-10	8.82E-04	5.72E-01	1.77E-02	2.35E-06	8.31E-02
717.69812	57.48	12.89	11.30	12.89	12.83	3.00E-11	1.87E-09	1.00E+00	9.94E-01	4.41E-09	4.68E-08	9.96E-01
717.74605	47.97	13.52	16.83	16.47	16.32	5.17E-42	5.11E-15	5.11E-15	5.11E-15	3.46E-01	1.04E-01	9.02E-01

717.76784	42.26	13.71	12.34	12.59	12.71	9.93E-07	1.38E-06	9.16E-05	1.01E-03	7.81E-01	5.32E-01	9.71E-01
718.47627	256.36	21.13	22.09	21.69	20.95	1.07E-08	2.35E-06	1.26E-02	7.85E-01	1.44E-01	9.55E-08	9.52E-04
718.68885	58.21	14.68	11.80	15.19	14.96	3.79E-28	4.05E-14	2.49E-01	7.51E-01	7.99E-15	3.31E-14	8.62E-01
718.71979	55.22	13.82	12.52	12.83	12.88	2.81E-05	2.11E-05	1.95E-03	5.13E-03	6.70E-01	5.99E-01	9.99E-01
718.74436	48.47	12.52	14.20	13.94	13.76	4.21E-16	4.93E-14	1.46E-11	1.38E-08	5.61E-01	1.34E-01	7.95E-01
718.80254	42.51	14.84	14.65	14.14	15.03	1.00E-02	8.88E-01	3.90E-02	8.99E-01	2.32E-01	5.26E-01	7.91E-03
718.82416	46.08	15.61	18.02	18.15	18.15	4.96E-28	3.72E-14	2.24E-14	3.24E-14	9.49E-01	9.46E-01	1.00E+00
719.47268	272.14	20.74	20.11	20.03	20.25	2.68E-01	3.75E-01	2.67E-01	6.09E-01	9.98E-01	9.88E-01	9.55E-01
719.48806	274.11	28.72	29.27	28.92	28.59	3.73E-07	2.13E-05	3.06E-01	7.05E-01	1.73E-02	4.82E-07	3.71E-02
719.72414	52.82	13.67	13.24	13.21	13.36	6.84E-03	1.86E-02	8.72E-03	1.66E-01	9.97E-01	8.64E-01	7.54E-01
719.74623	48.45	12.54	12.88	12.49	13.22	3.91E-05	1.48E-01	9.89E-01	2.65E-04	8.12E-02	1.79E-01	1.05E-04
719.7928	40.69	11.82	12.68	12.14	12.54	1.59E-02	1.65E-02	6.68E-01	7.42E-02	2.65E-01	9.66E-01	5.57E-01
719.86795	51.37	12.95	10.83	11.70	12.33	1.34E-16	4.30E-14	4.58E-07	4.33E-02	1.15E-03	9.14E-09	3.99E-02
719.87542	58.71	15.60	12.66	15.95	16.21	7.45E-42	5.11E-15	3.69E-01	3.50E-02	5.11E-15	5.11E-15	6.67E-01
720.31391	202.61	12.95	13.86	12.45	13.48	1.67E-04	2.34E-02	3.86E-01	3.71E-01	1.20E-04	6.63E-01	1.19E-02
720.47515	270.58	18.67	17.49	17.13	17.08	4.87E-04	2.59E-02	1.48E-03	1.56E-03	8.41E-01	7.98E-01	9.99E-01
720.49182	273.14	27.57	28.03	27.52	27.28	6.70E-07	1.28E-03	9.87E-01	1.19E-01	4.94E-04	2.05E-07	2.46E-01
720.72255	45.55	13.45	12.97	13.00	13.38	6.95E-03	2.74E-02	3.73E-02	9.81E-01	9.99E-01	1.02E-01	1.31E-01
720.73853	52.58	13.79	12.72	13.07	13.58	2.07E-03	2.16E-03	7.23E-02	9.00E-01	6.51E-01	3.30E-02	3.62E-01
720.76043	43.66	17.32	18.18	18.24	18.28	3.94E-19	2.96E-13	5.16E-14	4.56E-14	9.64E-01	8.29E-01	9.79E-01
720.78218	48.07	16.84	19.80	19.94	19.71	1.70E-37	5.11E-15	5.11E-15	5.33E-15	9.36E-01	9.80E-01	7.71E-01
720.82023	41.65	10.93	14.98	14.39	15.21	6.61E-16	1.40E-12	7.69E-10	3.51E-13	6.89E-01	9.74E-01	4.37E-01
720.86195	57.33	12.21	12.82	10.26	11.07	5.25E-43	3.21E-04	5.11E-15	2.00E-11	5.11E-15	2.58E-14	3.70E-06
721.10089	17.89	11.48	13.05	12.50	12.28	1.13E-04	3.38E-05	1.39E-02	9.93E-02	3.79E-01	1.37E-01	9.26E-01
721.35613	61.96	7.02	20.10	6.36	6.32	9.07E-136	5.11E-15	5.93E-02	5.22E-02	5.11E-15	5.11E-15	9.99E-01
721.35764	173.5	6.36	10.98	11.04	6.11	1.40E-31	4.20E-14	3.89E-14	9.51E-01	9.99E-01	4.24E-14	4.06E-14
721.492	273.85	25.83	25.59	25.40	24.96	6.24E-05	5.32E-01	7.72E-02	2.01E-05	7.37E-01	5.11E-03	8.21E-02
721.76523	41.4	13.59	13.40	13.07	13.37	8.30E-02	7.86E-01	4.71E-02	6.96E-01	3.70E-01	9.98E-01	4.98E-01
721.78478	47.49	12.91	13.55	13.62	13.85	2.10E-07	4.95E-04	7.98E-05	2.03E-07	9.78E-01	2.89E-01	5.01E-01
722.0435	22.33	15.59	16.90	16.51	15.81	7.68E-03	9.89E-03	1.15E-01	9.58E-01	7.98E-01	6.33E-02	3.66E-01
722.35009	64.02	7.67	16.76	7.08	7.21	1.66E-102	5.11E-15	1.23E-01	3.44E-01	5.11E-15	5.11E-15	9.67E-01
722.50082	266.7	23.97	22.88	22.86	22.52	3.43E-08	4.45E-05	2.59E-05	6.59E-08	1.00E+00	4.82E-01	5.22E-01
722.6973	64.46	14.55	11.04	13.81	13.94	4.65E-48	5.11E-15	5.75E-04	9.49E-03	5.11E-15	5.11E-15	9.16E-01
722.71905	46.76	19.35	20.41	20.86	20.65	9.92E-43	1.29E-14	5.11E-15	5.11E-15	1.32E-05	5.23E-02	1.41E-01
722.75924	49.99	15.90	16.48	16.42	16.64	1.43E-07	4.48E-05	2.16E-04	2.18E-07	9.77E-01	6.23E-01	3.73E-01
722.77992	48.2	13.20	15.23	15.43	15.38	1.16E-25	4.09E-14	3.31E-14	4.15E-14	7.89E-01	9.16E-01	9.94E-01
722.97266	283.64	15.47	15.29	13.55	14.08	4.64E-09	9.45E-01	8.67E-08	2.98E-04	3.09E-06	3.22E-03	4.25E-01
723.36468	55.89	7.94	13.07	7.44	7.72	4.23E-80	5.11E-15	6.51E-02	7.21E-01	5.11E-15	5.11E-15	5.49E-01
723.36969	179.37	7.31	11.32	10.76	7.31	8.36E-24	4.35E-14	2.09E-13	1.00E+00	5.61E-01	4.49E-14	2.54E-12
723.48116	287.37	18.45	18.98	17.33	17.78	5.24E-04	5.47E-01	2.71E-02	3.67E-01	4.38E-04	2.54E-02	7.06E-01
723.49837	269.99	22.40	20.92	20.84	20.63	3.76E-12	4.80E-08	5.24E-09	1.94E-10	9.86E-01	6.83E-01	8.60E-01
723.68824	57.58	12.55	11.53	13.48	13.28	3.99E-11	1.30E-03	3.49E-03	4.53E-02	1.46E-10	2.73E-08	8.94E-01
723.72225	46.79	13.94	13.51	14.16	14.12	1.31E-08	4.10E-04	1.46E-01	3.42E-01	3.90E-08	7.46E-07	9.81E-01
723.72848	52.24	14.22	14.19	14.59	14.83	2.67E-07	9.96E-01	1.08E-02	6.20E-06	7.20E-03	4.37E-06	2.02E-01
723.78138	47.23	11.01	12.67	12.35	12.20	3.54E-06	3.74E-06	2.59E-04	2.47E-03	7.58E-01	5.04E-01	9.71E-01

723.88175	49.58	9.66	12.42	12.45	12.09	9.97E-20	4.31E-14	4.31E-14	3.00E-12	1.00E+00	7.40E-01	6.76E-01
723.98129	282.08	18.79	18.89	18.37	17.72	5.75E-03	9.92E-01	5.98E-01	1.27E-02	4.45E-01	7.05E-03	2.61E-01
724.31028	204.45	12.55	11.69	11.34	12.21	8.07E-04	3.09E-02	6.79E-04	7.06E-01	6.94E-01	3.92E-01	4.14E-02
724.40503	177.83	10.33	15.17	15.82	9.40	1.47E-29	5.00E-14	4.17E-14	3.59E-01	6.70E-01	4.31E-14	2.69E-14
724.48573	282.29	17.22	18.62	18.15	17.58	1.44E-04	1.16E-04	1.91E-02	6.94E-01	4.86E-01	1.27E-02	3.21E-01
724.49878	284.73	12.70	13.29	14.60	13.27	1.89E-02	7.67E-01	1.00E-02	8.02E-01	1.54E-01	1.00E+00	1.58E-01
724.52182	283.12	19.58	17.12	16.70	17.03	2.78E-19	5.61E-13	4.40E-14	3.80E-13	5.53E-01	9.94E-01	7.39E-01
724.65625	61.68	16.99	16.74	18.13	17.68	1.80E-25	1.63E-01	4.37E-14	5.11E-07	1.95E-14	2.18E-11	2.17E-03
724.68211	50.28	13.28	11.62	12.29	12.63	1.52E-14	4.44E-14	1.73E-06	5.49E-03	2.91E-03	3.70E-06	3.04E-01
724.68996	57.75	13.00	11.70	13.11	13.14	7.84E-09	1.40E-06	9.66E-01	9.46E-01	2.46E-07	3.92E-07	1.00E+00
724.71689	53.95	18.39	19.20	19.74	19.51	5.88E-41	4.37E-14	5.11E-15	5.11E-15	8.09E-09	2.39E-03	5.28E-02
724.76595	46.16	12.93	12.95	12.72	13.21	1.41E-01	1.00E+00	7.24E-01	4.93E-01	6.77E-01	5.84E-01	8.52E-02
724.98819	287.95	17.28	18.53	16.93	16.62	1.90E-07	7.10E-04	6.88E-01	1.91E-01	1.10E-05	2.92E-07	7.95E-01
725.12246	63.44	12.43	16.25	10.36	11.00	2.97E-126	5.11E-15	5.11E-15	6.00E-15	5.11E-15	5.11E-15	1.14E-06
725.49025	282.9	15.27	17.81	16.43	15.42	3.10E-14	3.23E-13	1.38E-03	9.62E-01	1.61E-04	6.64E-11	1.34E-02
725.49982	288.09	14.57	15.42	14.87	14.22	4.88E-06	7.08E-04	4.89E-01	4.01E-01	7.03E-02	2.36E-06	2.26E-02
725.53331	292.19	17.05	16.24	16.08	16.14	1.02E-05	9.36E-04	3.66E-05	2.29E-04	8.82E-01	9.70E-01	9.93E-01
725.6859	50.1	13.02	10.45	12.32	12.57	3.77E-20	3.99E-14	2.35E-02	2.94E-01	2.16E-11	2.81E-13	7.60E-01
725.71647	56.66	14.01	11.69	12.46	12.68	1.36E-14	4.62E-14	6.41E-08	1.01E-05	2.47E-02	2.60E-03	8.52E-01
725.72531	51.93	13.40	12.33	12.14	12.61	1.10E-11	2.05E-08	2.57E-11	8.49E-05	7.01E-01	4.25E-01	4.96E-02
725.73316	48.92	13.11	14.24	13.87	13.96	3.67E-11	2.92E-11	8.29E-06	9.53E-07	9.06E-02	3.46E-01	9.28E-01
725.74105	42.37	13.01	13.35	13.34	13.45	1.59E-01	3.32E-01	3.71E-01	1.52E-01	1.00E+00	9.68E-01	9.48E-01
725.99576	287.29	13.81	15.42	15.51	13.66	3.49E-13	2.04E-07	2.82E-08	9.53E-01	9.89E-01	6.77E-08	9.98E-09
726.11929	63.75	11.59	12.32	9.89	10.43	5.64E-56	1.12E-08	5.11E-15	4.26E-14	5.11E-15	5.11E-15	8.71E-05
726.13242	55.22	12.20	12.73	10.29	10.93	8.85E-67	2.23E-06	5.11E-15	6.22E-15	5.11E-15	5.11E-15	6.25E-08
726.54465	290.57	17.35	15.95	15.52	16.22	1.69E-12	6.26E-08	1.14E-12	3.16E-05	2.82E-01	6.88E-01	2.41E-02
726.65367	63.24	14.90	12.69	16.33	15.74	2.10E-32	5.02E-14	2.39E-07	7.69E-03	5.11E-15	1.78E-14	1.21E-01
726.67263	58.17	17.31	17.41	18.62	18.23	8.59E-21	8.78E-01	4.24E-14	3.65E-09	5.51E-14	3.99E-07	3.54E-02
726.71437	55.95	15.49	14.83	16.15	15.89	1.87E-22	2.37E-07	2.84E-07	6.39E-03	2.58E-14	5.22E-14	1.46E-01
726.73385	49.76	13.96	14.58	14.59	14.69	1.08E-11	4.13E-08	2.69E-08	4.25E-10	1.00E+00	7.76E-01	7.84E-01
726.78957	46.84	14.19	14.12	13.42	14.13	9.66E-03	9.93E-01	1.33E-02	9.95E-01	3.68E-02	1.00E+00	4.24E-02
726.8107	43.05	15.37	19.01	18.70	18.73	1.86E-27	1.82E-14	4.06E-14	4.24E-14	7.68E-01	8.38E-01	1.00E+00
727.11816	63.43	12.13	12.94	10.88	11.84	1.19E-06	1.00E-01	2.51E-03	8.61E-01	2.09E-07	1.85E-02	4.79E-02
727.52972	281.16	14.96	21.16	20.43	21.32	5.27E-54	5.11E-15	5.11E-15	5.11E-15	1.57E-01	9.72E-01	6.46E-02
727.55075	285.6	16.27	13.91	13.44	14.19	1.48E-12	1.11E-08	5.18E-12	9.90E-07	6.10E-01	9.02E-01	2.35E-01
727.71113	55.05	13.35	12.84	13.38	12.96	1.41E-01	2.55E-01	9.99E-01	5.21E-01	2.23E-01	9.75E-01	4.69E-01
727.73403	49.71	12.92	12.89	12.62	12.95	1.80E-01	9.97E-01	2.43E-01	9.98E-01	3.69E-01	9.85E-01	2.17E-01
727.77033	46.9	10.13	11.95	11.23	11.55	7.21E-05	4.31E-05	2.89E-02	3.20E-03	2.80E-01	7.74E-01	8.62E-01
727.77879	40.61	10.48	12.96	11.89	12.73	1.19E-09	4.79E-09	1.60E-03	2.59E-07	3.58E-02	9.41E-01	1.65E-01
727.81293	38.81	11.92	12.50	12.28	12.58	2.12E-01	3.07E-01	7.06E-01	2.20E-01	9.12E-01	9.96E-01	8.18E-01
728.53032	278.02	13.17	18.29	17.64	18.12	6.86E-35	5.11E-15	1.02E-14	5.33E-15	3.53E-01	9.77E-01	6.28E-01
728.65883	55.59	12.43	12.06	10.49	11.31	2.52E-05	8.08E-01	2.06E-05	4.37E-02	1.30E-03	3.15E-01	2.23E-01
728.66965	57.94	16.95	16.49	17.99	17.64	8.19E-29	7.69E-04	4.26E-14	1.62E-07	5.33E-15	4.24E-14	2.52E-02
728.70719	55.04	13.62	12.49	12.52	12.92	7.15E-11	1.79E-09	3.40E-09	4.78E-04	9.98E-01	8.86E-02	1.24E-01
728.7257	50.37	12.38	11.45	12.34	13.09	1.71E-03	8.28E-02	1.00E+00	2.89E-01	1.17E-01	5.25E-04	2.58E-01

728.74808	46.13	16.99	18.76	18.24	18.32	6.82E-32	5.11E-15	4.23E-14	4.26E-14	4.99E-04	7.16E-03	9.25E-01
728.7732	47.09	12.54	12.60	12.07	12.53	2.89E-02	9.89E-01	6.91E-02	1.00E+00	3.75E-02	9.87E-01	1.03E-01
728.80707	43.81	15.06	17.25	16.81	17.05	1.08E-21	4.10E-14	1.92E-13	4.29E-14	2.06E-01	8.31E-01	7.16E-01
728.88962	53.58	13.16	13.02	11.02	11.74	3.22E-46	7.24E-01	5.11E-15	3.64E-14	5.11E-15	4.27E-14	1.18E-06
728.91599	61.17	13.93	14.36	12.02	12.70	3.32E-63	2.52E-04	5.11E-15	1.20E-14	5.11E-15	5.11E-15	1.27E-08
729.11715	22.1	15.58	17.06	16.95	15.72	1.68E-05	3.85E-04	1.05E-03	9.80E-01	9.91E-01	3.37E-03	7.89E-03
729.50981	228.18	18.34	17.00	17.89	17.79	3.16E-03	1.12E-03	5.66E-01	4.25E-01	7.02E-02	1.53E-01	9.93E-01
729.53678	286.2	13.81	15.75	15.00	15.81	1.67E-09	4.60E-08	1.32E-03	3.61E-08	1.12E-01	9.97E-01	8.11E-02
729.75109	46.77	13.24	13.64	13.19	13.56	1.83E-02	8.40E-02	9.87E-01	2.48E-01	4.22E-02	9.70E-01	1.44E-01
730.51363	228.21	17.23	15.68	16.63	16.94	2.26E-05	1.08E-05	2.30E-01	8.09E-01	1.78E-02	1.15E-03	7.91E-01
730.66458	59.01	13.81	11.69	12.88	13.19	2.95E-24	7.11E-15	1.31E-06	3.31E-03	1.33E-09	3.13E-13	3.54E-01
730.68006	63.25	13.92	10.31	11.48	11.90	5.48E-30	5.11E-15	4.44E-14	7.97E-12	1.21E-04	1.93E-07	4.17E-01
730.70576	57.45	14.61	12.62	14.56	14.31	1.04E-13	3.87E-12	9.96E-01	6.76E-01	3.43E-11	2.09E-08	8.06E-01
730.74518	50.85	14.04	13.89	13.06	13.84	2.50E-04	9.17E-01	2.23E-04	8.29E-01	3.76E-03	9.96E-01	1.02E-02
730.76451	46.3	16.86	19.55	19.29	19.20	5.53E-41	5.11E-15	5.11E-15	5.11E-15	4.67E-01	2.43E-01	9.66E-01
731.4878	263.69	20.12	19.72	20.39	19.99	2.36E-02	2.39E-01	5.65E-01	9.45E-01	1.15E-02	6.00E-01	2.88E-01
731.67289	59.33	13.57	11.16	12.67	12.53	6.66E-23	9.99E-15	7.93E-05	8.12E-06	4.46E-11	7.16E-09	9.14E-01
731.76723	42.89	11.71	13.18	12.87	13.11	1.21E-05	4.44E-05	1.77E-03	1.81E-04	7.83E-01	9.97E-01	8.95E-01
732.48864	247.77	19.14	17.79	18.14	17.82	7.11E-09	8.13E-08	9.88E-05	3.56E-07	4.33E-01	9.99E-01	5.39E-01
732.67256	50.69	12.80	11.16	12.24	11.99	2.07E-10	2.47E-11	5.70E-02	2.68E-03	2.39E-05	3.05E-03	7.05E-01
732.70266	58.98	15.83	13.86	16.00	15.83	1.83E-22	4.43E-14	8.58E-01	1.00E+00	4.31E-14	4.29E-14	8.73E-01
732.76177	44.51	15.35	17.57	17.43	17.39	8.97E-33	5.33E-15	7.33E-15	1.78E-14	8.61E-01	7.63E-01	9.96E-01
732.77104	42.48	12.47	13.41	12.57	13.18	7.04E-03	1.48E-02	9.89E-01	1.16E-01	4.18E-02	9.01E-01	2.32E-01
732.83958	41.09	13.16	13.93	14.34	14.63	3.70E-03	2.44E-01	2.10E-02	3.29E-03	7.57E-01	3.70E-01	9.08E-01
733.50122	290.84	22.78	22.35	22.34	22.25	6.14E-02	1.82E-01	1.62E-01	6.95E-02	1.00E+00	9.65E-01	9.72E-01
733.52727	226.94	16.72	15.10	16.02	16.39	1.71E-10	6.82E-11	1.02E-02	4.77E-01	5.50E-04	1.05E-06	4.01E-01
733.5651	251.6	16.66	16.69	16.49	17.10	1.99E-01	1.00E+00	9.31E-01	3.91E-01	9.00E-01	4.79E-01	1.49E-01
733.67737	58.9	11.93	9.75	13.39	12.69	7.94E-23	3.57E-10	3.76E-05	9.51E-02	2.11E-14	4.65E-14	1.57E-01
733.71975	51.44	13.07	13.85	13.77	13.85	1.09E-11	1.69E-09	4.72E-08	4.45E-09	9.15E-01	1.00E+00	9.22E-01
733.72774	44.97	12.70	12.86	12.65	13.23	4.07E-03	7.65E-01	9.89E-01	9.45E-03	5.89E-01	1.38E-01	4.32E-03
733.74636	48.37	13.51	12.31	12.06	12.00	9.00E-06	1.68E-03	6.70E-05	6.45E-05	8.73E-01	8.09E-01	9.99E-01
734.47704	281.75	18.04	17.95	17.45	17.91	3.78E-01	9.93E-01	3.48E-01	9.83E-01	5.38E-01	1.00E+00	6.21E-01
734.50717	290.03	21.49	21.00	21.04	20.91	5.40E-02	1.32E-01	1.82E-01	6.40E-02	9.98E-01	9.84E-01	9.53E-01
734.69844	57.83	13.88	12.25	12.86	13.25	5.36E-09	1.24E-09	2.12E-04	5.99E-02	7.23E-02	8.19E-04	4.26E-01
734.72368	51.69	12.65	13.21	13.24	13.61	1.91E-07	2.20E-03	8.66E-04	4.41E-08	9.97E-01	7.30E-02	1.13E-01
734.75127	42.69	12.60	13.11	13.02	12.92	1.49E-01	1.31E-01	2.78E-01	5.48E-01	9.79E-01	8.64E-01	9.78E-01
734.77669	46.22	14.49	14.19	13.96	14.80	1.79E-02	6.70E-01	1.87E-01	6.46E-01	8.34E-01	1.23E-01	1.35E-02
734.7975	47.54	16.20	18.24	18.45	18.36	1.72E-36	5.77E-15	5.11E-15	5.33E-15	5.88E-01	9.08E-01	9.45E-01
734.92444	61.06	12.56	14.52	10.41	11.25	2.26E-73	5.11E-15	5.11E-15	5.00E-14	5.11E-15	5.11E-15	8.58E-07
735.48151	283.57	19.09	17.92	17.40	17.66	8.24E-08	5.30E-04	1.11E-07	1.90E-05	2.93E-01	8.19E-01	8.34E-01
735.50905	290.69	18.99	18.40	18.50	18.29	4.71E-02	1.18E-01	2.31E-01	4.89E-02	9.86E-01	9.77E-01	8.78E-01
735.54261	253.74	15.37	15.20	15.58	14.97	4.64E-01	9.72E-01	9.40E-01	7.28E-01	7.59E-01	9.33E-01	4.03E-01
735.69601	57.06	13.14	11.34	13.55	12.56	2.25E-07	1.86E-05	7.01E-01	4.31E-01	1.88E-07	1.31E-02	6.13E-02
735.72163	52.7	11.93	12.60	12.60	12.82	9.26E-04	1.85E-02	1.51E-02	9.14E-04	1.00E+00	7.82E-01	7.98E-01
735.76716	45.94	13.20	13.67	13.31	13.64	9.07E-04	3.38E-03	8.51E-01	1.04E-02	4.55E-02	9.95E-01	9.84E-02

735.8504	57.84	15.03	10.37	14.68	15.17	8.70E-55	5.11E-15	4.77E-01	9.40E-01	5.11E-15	5.11E-15	2.20E-01
735.98128	287.7	16.51	16.01	15.88	15.13	2.32E-06	1.66E-01	4.09E-02	3.62E-07	9.44E-01	3.21E-03	1.68E-02
736.16105	16.92	11.91	15.52	14.95	15.43	3.47E-30	6.88E-15	4.11E-14	1.44E-14	2.38E-01	9.92E-01	4.11E-01
736.17146	20.8	12.80	14.97	14.65	14.92	3.77E-18	4.62E-14	9.07E-12	1.04E-13	5.77E-01	9.97E-01	7.23E-01
736.49273	261.24	19.08	18.91	18.35	18.98	1.37E-02	8.85E-01	1.13E-02	9.73E-01	1.00E-01	9.93E-01	5.94E-02
736.52077	225.12	18.79	18.73	20.04	19.54	6.64E-07	9.96E-01	1.13E-05	2.42E-02	8.21E-06	1.67E-02	2.60E-01
736.70657	58.16	12.76	11.69	12.83	12.80	8.97E-04	4.33E-03	9.96E-01	9.99E-01	2.62E-03	5.35E-03	1.00E+00
736.73445	53.15	17.15	17.40	17.76	17.77	1.39E-11	3.76E-02	1.64E-09	2.43E-09	1.14E-03	1.02E-03	9.99E-01
736.75674	50.53	17.12	19.40	19.73	19.49	1.38E-39	5.11E-15	5.11E-15	5.11E-15	2.46E-01	9.53E-01	5.71E-01
736.78597	38.29	12.52	12.94	12.87	13.24	1.81E-03	9.09E-02	2.03E-01	5.98E-04	9.80E-01	3.69E-01	1.86E-01
736.79364	44.37	14.37	16.73	16.54	16.67	1.65E-36	5.11E-15	5.33E-15	5.11E-15	6.96E-01	9.89E-01	8.79E-01
736.98727	288.75	15.54	16.28	15.90	14.85	7.70E-06	2.80E-02	5.36E-01	4.99E-02	4.74E-01	3.04E-06	1.02E-03
737.16461	19.75	12.48	13.08	12.76	13.52	6.44E-09	8.02E-04	2.47E-01	2.88E-09	1.95E-01	4.09E-02	3.69E-05
737.33418	56.21	10.41	19.18	8.86	9.68	2.52E-102	5.11E-15	2.41E-07	4.92E-02	5.11E-15	5.11E-15	2.50E-02
737.4763	286.72	14.27	15.85	14.87	15.67	2.45E-07	9.37E-07	1.61E-01	3.04E-05	6.49E-03	9.35E-01	4.75E-02
737.49467	278.17	17.43	17.45	17.05	17.09	1.61E-01	1.00E+00	3.22E-01	4.35E-01	3.05E-01	4.12E-01	9.99E-01
737.52522	219.67	17.45	17.45	18.85	18.26	5.27E-07	1.00E+00	4.75E-06	2.39E-02	9.65E-06	3.01E-02	1.88E-01
737.76127	48.58	12.56	13.36	13.46	13.76	6.28E-07	1.13E-03	1.51E-04	5.44E-07	9.67E-01	2.81E-01	5.30E-01
737.83742	37.12	11.79	11.48	12.13	11.68	6.03E-01	9.16E-01	8.85E-01	9.96E-01	5.37E-01	9.78E-01	8.03E-01
738.15675	19.55	9.38	12.35	12.10	12.26	2.59E-27	2.38E-14	4.11E-14	3.89E-14	7.93E-01	9.86E-01	9.46E-01
738.32726	64.13	14.97	20.30	13.55	13.99	1.43E-133	5.11E-15	1.53E-14	3.26E-12	5.11E-15	5.11E-15	5.29E-03
738.48255	286.85	14.07	15.48	14.43	14.74	1.41E-04	5.53E-05	6.47E-01	1.54E-01	5.93E-03	1.13E-01	7.72E-01
738.50909	252.47	21.52	19.12	20.32	19.20	1.19E-13	6.19E-12	1.09E-03	8.68E-11	1.37E-03	9.95E-01	4.46E-03
738.69286	55.47	18.88	19.54	20.23	19.99	1.39E-33	2.67E-10	5.11E-15	1.87E-14	1.33E-10	8.10E-05	8.07E-02
738.73426	53.36	15.82	15.41	15.94	16.07	3.83E-04	3.92E-02	8.28E-01	3.72E-01	3.64E-03	3.19E-04	8.65E-01
738.75459	50.35	13.86	15.26	15.70	15.56	9.58E-22	2.72E-12	4.29E-14	4.37E-14	9.05E-02	3.96E-01	8.96E-01
739.3184	56.59	12.94	14.31	10.82	11.53	3.12E-74	3.29E-14	5.11E-15	3.02E-14	5.11E-15	5.11E-15	9.23E-07
739.33842	64.58	13.82	15.81	11.74	12.42	9.28E-85	5.11E-15	5.11E-15	3.57E-14	5.11E-15	5.11E-15	4.87E-06
739.45635	219.61	14.14	15.11	15.28	13.76	3.27E-05	2.78E-02	6.04E-03	7.00E-01	9.68E-01	1.47E-03	2.31E-04
739.49344	290.98	14.39	15.76	15.90	14.96	9.86E-06	2.45E-04	3.08E-05	3.23E-01	9.72E-01	1.01E-01	3.25E-02
739.51255	259.07	20.65	19.26	20.22	19.52	5.08E-07	1.38E-06	3.44E-01	1.79E-04	2.09E-03	7.94E-01	4.88E-02
739.68796	49.27	12.74	11.87	11.67	12.23	1.13E-07	2.74E-05	1.18E-07	3.85E-02	7.17E-01	2.58E-01	2.23E-02
739.69863	56.28	13.69	12.63	13.57	13.68	1.91E-23	4.02E-14	6.42E-01	1.00E+00	4.29E-14	4.37E-14	7.18E-01
739.75807	49.51	11.26	12.76	12.61	12.80	5.31E-09	2.93E-07	3.83E-06	3.02E-07	9.44E-01	9.99E-01	9.04E-01
739.84983	47.89	10.75	11.43	12.15	11.62	2.92E-04	1.46E-01	8.17E-05	4.00E-02	1.19E-01	9.38E-01	3.88E-01
739.85657	52.75	12.18	12.50	12.58	12.71	2.97E-01	6.62E-01	4.73E-01	2.66E-01	9.92E-01	9.02E-01	9.75E-01
740.33382	64.62	11.30	13.65	9.87	10.18	1.67E-63	5.11E-15	4.32E-14	5.18E-10	5.11E-15	5.11E-15	2.58E-01
740.52255	283.79	18.92	19.20	18.82	19.84	2.64E-04	6.40E-01	9.76E-01	1.05E-03	4.04E-01	5.08E-02	3.05E-04
740.62282	64.09	12.15	10.66	11.52	11.90	2.12E-07	1.17E-07	6.29E-02	7.65E-01	6.41E-03	4.57E-05	4.93E-01
740.65257	66.11	12.44	9.62	12.63	12.40	1.04E-27	2.62E-14	8.82E-01	9.98E-01	1.40E-14	4.07E-14	8.27E-01
740.69106	55.61	18.00	18.49	19.27	19.01	1.05E-30	3.70E-06	5.11E-15	4.25E-14	7.83E-13	4.84E-06	4.90E-02
740.73656	49.49	12.87	12.07	12.45	12.75	1.83E-03	1.43E-03	2.16E-01	9.49E-01	2.92E-01	1.57E-02	5.61E-01
740.82206	42	14.56	16.46	15.89	16.59	8.59E-12	1.16E-09	2.61E-05	2.69E-10	2.01E-01	9.76E-01	9.16E-02
741.09677	63.68	12.76	15.42	10.30	11.47	2.33E-58	8.88E-15	2.38E-14	2.79E-07	5.11E-15	5.11E-15	7.06E-06
741.4722	233.09	19.35	19.99	19.95	18.88	3.73E-10	1.03E-03	2.15E-03	3.85E-02	9.96E-01	1.44E-08	3.63E-08

741.50556	286.85	11.99	15.40	14.96	14.58	5.44E-15	1.43E-13	5.05E-11	2.93E-08	7.16E-01	2.42E-01	8.26E-01
741.52353	290.7	17.95	17.50	16.82	17.49	1.10E-02	5.32E-01	4.28E-03	5.33E-01	1.96E-01	1.00E+00	2.28E-01
741.70608	53.77	12.27	12.74	12.79	13.07	4.51E-02	3.31E-01	2.30E-01	2.76E-02	9.97E-01	6.72E-01	7.77E-01
741.71419	46.62	13.05	12.66	12.80	13.02	5.42E-02	7.10E-02	3.92E-01	9.99E-01	8.22E-01	1.31E-01	5.28E-01
741.85245	45.26	11.79	9.01	11.80	11.89	9.13E-08	2.48E-06	1.00E+00	9.98E-01	3.49E-06	3.81E-06	9.99E-01
742.09959	63.75	12.76	12.84	10.47	11.09	1.45E-43	9.66E-01	5.11E-15	3.91E-14	5.11E-15	3.62E-14	1.20E-03
742.46584	231.58	13.73	14.05	13.86	13.60	4.11E-01	6.17E-01	9.58E-01	9.62E-01	8.96E-01	3.65E-01	7.73E-01
742.48359	290.91	16.79	16.36	17.17	16.68	6.29E-01	8.92E-01	9.20E-01	9.98E-01	5.53E-01	9.59E-01	8.63E-01
742.51466	290.75	11.44	14.52	14.57	13.42	2.27E-10	1.06E-08	3.94E-09	6.22E-04	9.99E-01	1.50E-01	1.13E-01
742.54079	288.35	19.00	17.04	17.05	17.24	1.61E-11	2.62E-09	1.96E-09	2.04E-07	1.00E+00	9.23E-01	9.24E-01
742.64692	62.14	14.58	12.41	16.16	15.45	4.46E-28	5.06E-12	4.74E-07	1.89E-02	5.11E-15	4.24E-14	8.46E-02
742.68952	57.6	15.07	14.32	16.15	15.86	1.55E-22	7.75E-05	2.53E-09	4.06E-05	3.42E-14	4.80E-14	3.40E-01
742.7061	53.85	14.15	15.36	15.75	15.37	1.65E-21	4.21E-13	3.66E-14	1.23E-12	6.71E-02	1.00E+00	8.16E-02
742.78464	39.14	16.51	19.90	19.71	19.67	4.79E-33	5.33E-15	7.11E-15	1.44E-14	8.97E-01	8.34E-01	9.98E-01
743.09357	64.18	11.40	12.69	9.77	10.23	3.27E-39	1.10E-10	4.25E-14	1.17E-08	5.11E-15	5.11E-15	7.57E-02
743.48851	261.68	24.14	25.60	25.53	25.18	2.63E-12	7.88E-11	4.36E-10	8.73E-06	9.85E-01	2.08E-01	3.63E-01
743.6853	58.1	12.38	9.35	12.51	11.02	8.40E-17	8.28E-14	9.85E-01	1.67E-03	5.66E-14	1.15E-04	6.29E-04
743.71008	54.37	12.74	12.82	13.26	13.11	3.81E-01	9.96E-01	4.00E-01	7.04E-01	5.69E-01	8.42E-01	9.74E-01
743.75163	46.92	12.24	13.82	13.35	13.69	2.89E-14	6.14E-13	3.03E-07	9.03E-11	9.82E-02	9.28E-01	3.59E-01
743.76018	40.53	12.06	13.20	13.01	13.49	5.73E-10	6.76E-07	4.52E-05	1.19E-09	7.91E-01	5.68E-01	1.25E-01
743.78835	45.44	13.85	14.92	14.52	14.66	3.50E-09	1.93E-09	2.70E-04	1.30E-05	7.56E-02	4.30E-01	8.37E-01
744.0262	25.27	14.20	12.17	12.12	12.53	9.51E-10	5.54E-08	1.95E-08	2.01E-05	9.99E-01	7.35E-01	6.49E-01
744.04988	17.46	11.28	11.99	11.65	11.42	3.40E-02	2.46E-02	4.51E-01	9.52E-01	5.29E-01	1.30E-01	8.13E-01
744.45753	217.11	14.23	16.16	12.75	13.20	3.33E-47	3.69E-14	1.86E-13	6.10E-07	5.11E-15	5.11E-15	9.21E-02
744.49193	262.1	23.18	24.27	24.22	23.87	4.78E-08	3.56E-07	8.54E-07	3.21E-03	9.96E-01	2.22E-01	3.14E-01
744.64474	61.57	14.16	12.00	15.20	14.64	9.84E-25	3.34E-13	6.34E-04	2.87E-01	1.04E-14	4.29E-14	1.96E-01
744.68071	58.62	13.67	11.36	12.43	12.87	2.85E-15	4.37E-14	9.28E-06	1.20E-02	2.77E-04	3.04E-07	3.56E-01
744.72197	48.8	17.19	18.46	18.13	18.00	2.34E-29	5.11E-15	4.11E-14	1.04E-13	5.45E-03	6.78E-05	5.82E-01
744.74363	48.03	11.62	12.37	12.79	12.85	4.48E-06	1.72E-02	3.15E-05	2.25E-05	3.71E-01	2.78E-01	9.96E-01
744.75438	40.82	12.84	12.98	12.75	13.12	9.50E-02	7.91E-01	9.27E-01	2.55E-01	4.36E-01	7.96E-01	8.13E-02
744.78171	45.24	15.69	18.16	17.99	18.04	1.76E-33	5.11E-15	7.33E-15	9.10E-15	8.20E-01	9.31E-01	9.95E-01
744.89101	62.67	9.64	13.31	8.85	9.21	2.90E-146	5.11E-15	2.20E-14	7.82E-08	5.11E-15	5.11E-15	1.59E-05
745.47227	277.83	18.82	18.88	17.40	18.44	4.04E-05	9.97E-01	1.53E-04	6.95E-01	1.14E-04	5.94E-01	1.60E-02
745.48698	272.3	21.88	18.97	18.19	22.19	4.27E-08	8.04E-04	8.18E-06	9.77E-01	7.37E-01	3.82E-04	4.36E-06
745.50348	273.87	30.83	31.21	31.22	30.79	1.04E-04	6.53E-03	4.85E-03	9.94E-01	1.00E+00	4.91E-03	3.69E-03
745.72638	44.19	12.78	13.08	13.04	13.37	9.96E-03	2.73E-01	4.19E-01	3.76E-03	9.92E-01	3.58E-01	2.19E-01
745.75373	46.84	12.03	12.48	12.44	13.02	1.57E-02	4.27E-01	4.97E-01	6.18E-03	9.99E-01	2.91E-01	2.29E-01
746.4903	277.72	20.94	19.11	18.92	21.23	4.17E-07	9.54E-04	1.73E-04	9.34E-01	9.80E-01	2.20E-04	3.86E-05
746.50748	271.84	29.60	30.03	29.92	29.51	2.78E-05	1.50E-03	2.80E-02	8.83E-01	7.98E-01	2.00E-04	4.80E-03
746.65636	68.47	13.19	10.41	11.80	12.01	1.19E-27	5.11E-15	6.80E-10	4.65E-07	2.64E-09	3.68E-11	7.72E-01
746.72209	53.89	13.78	12.82	12.22	13.12	4.59E-08	8.64E-04	8.20E-09	5.36E-02	8.71E-02	6.50E-01	3.35E-03
746.73859	48.88	17.30	19.25	19.13	18.96	8.42E-50	5.11E-15	5.11E-15	5.11E-15	7.36E-01	6.37E-02	4.29E-01
746.76867	45.78	12.13	12.44	12.25	12.64	3.63E-01	7.24E-01	9.76E-01	3.27E-01	9.26E-01	9.11E-01	5.80E-01
746.79318	40.29	12.40	12.45	12.48	13.01	2.45E-02	9.94E-01	9.81E-01	2.59E-02	1.00E+00	6.20E-02	7.65E-02
747.10048	64.39	11.86	13.07	9.90	10.69	1.30E-27	1.13E-05	4.93E-13	3.72E-05	5.33E-15	4.32E-14	1.45E-02

747.51112	272.27	27.99	28.03	27.99	27.75	2.62E-01	9.91E-01	1.00E+00	3.87E-01	9.94E-01	2.64E-01	3.86E-01
747.56638	220.81	19.70	18.40	18.26	18.41	1.83E-06	9.56E-05	9.30E-06	1.69E-04	9.65E-01	1.00E+00	9.62E-01
747.74172	49.87	12.43	13.03	12.85	13.14	1.32E-02	4.29E-02	2.36E-01	1.33E-02	8.72E-01	9.67E-01	6.20E-01
747.77644	44.5	12.95	12.80	12.46	12.34	2.43E-01	9.64E-01	4.43E-01	2.69E-01	7.58E-01	5.54E-01	9.83E-01
748.52019	264.69	25.54	25.11	25.35	24.90	3.36E-03	7.06E-02	6.79E-01	2.43E-03	5.52E-01	6.58E-01	7.14E-02
748.56321	219.4	20.92	17.20	16.88	17.27	4.92E-49	5.11E-15	5.11E-15	5.11E-15	5.18E-01	9.93E-01	3.72E-01
748.67648	63.09	14.50	11.65	15.23	14.66	2.49E-38	5.33E-15	8.52E-03	9.16E-01	5.11E-15	5.33E-15	8.09E-02
748.73599	47.19	14.52	15.32	15.15	15.23	2.24E-34	5.11E-15	2.71E-14	7.77E-15	2.11E-02	4.30E-01	5.62E-01
748.74421	42.93	14.02	13.84	13.75	13.99	3.69E-01	7.40E-01	3.81E-01	9.98E-01	9.45E-01	8.55E-01	5.33E-01
748.81323	41.97	14.08	15.49	15.23	15.94	2.57E-05	1.39E-03	1.30E-02	1.84E-05	9.05E-01	6.77E-01	2.79E-01
749.06889	22.54	12.32	10.94	10.53	10.97	1.98E-03	2.63E-02	1.53E-03	3.79E-02	8.42E-01	1.00E+00	8.23E-01
749.52215	265.66	22.74	22.25	22.47	22.09	3.21E-02	1.26E-01	6.09E-01	2.65E-02	7.70E-01	9.12E-01	3.77E-01
749.56561	213.59	19.69	13.30	12.26	13.71	3.80E-46	5.11E-15	5.11E-15	5.11E-15	8.76E-02	8.00E-01	7.97E-03
749.69377	55.69	12.43	12.52	13.18	13.05	1.23E-05	9.50E-01	1.00E-04	2.94E-03	1.33E-03	2.05E-02	8.92E-01
750.53707	275.46	20.66	18.77	18.35	18.80	7.62E-09	6.91E-06	1.93E-08	1.68E-05	6.96E-01	1.00E+00	6.72E-01
750.56704	254.82	19.71	18.05	17.66	19.13	1.94E-18	1.39E-11	4.40E-14	5.84E-02	3.26E-01	4.42E-05	1.04E-08
750.66712	62.6	13.09	10.55	12.32	12.48	2.78E-22	2.09E-14	3.64E-03	4.43E-02	3.53E-12	2.82E-13	9.01E-01
750.69611	55.73	12.63	13.49	14.35	14.13	7.78E-12	1.93E-03	2.88E-11	1.93E-08	2.77E-03	5.46E-02	8.19E-01
750.74541	47.45	13.84	13.75	13.40	14.18	1.56E-01	9.93E-01	5.14E-01	7.39E-01	7.06E-01	5.98E-01	1.00E-01
750.77183	49.02	16.15	17.85	18.23	18.12	4.14E-35	2.29E-14	5.11E-15	5.33E-15	7.68E-02	3.59E-01	8.95E-01
750.88834	54.48	13.35	14.37	11.34	12.24	1.66E-56	2.11E-11	5.11E-15	1.21E-12	5.11E-15	5.11E-15	1.56E-08
750.8966	61.44	13.30	15.71	11.20	12.02	1.97E-99	5.11E-15	5.11E-15	3.33E-14	5.11E-15	5.11E-15	9.33E-10
751.56847	256.98	18.56	16.81	16.35	18.73	1.66E-23	3.06E-11	4.31E-14	8.98E-01	2.48E-01	5.09E-12	4.19E-14
751.69249	56.44	11.81	11.81	13.77	13.20	1.38E-10	1.00E+00	1.97E-08	2.09E-04	4.91E-08	3.21E-04	3.25E-01
751.73928	47.42	12.30	14.00	13.61	13.80	2.87E-12	2.90E-11	2.64E-07	1.07E-08	3.48E-01	8.43E-01	8.60E-01
751.7476	41.02	12.96	12.83	13.05	13.51	1.21E-02	9.19E-01	9.65E-01	4.10E-02	6.99E-01	8.54E-03	1.36E-01
752.43788	189.54	7.99	13.20	15.01	7.00	2.53E-41	4.22E-14	5.11E-15	2.53E-01	4.47E-03	2.20E-14	5.11E-15
752.52563	204.56	12.90	13.97	13.46	14.04	4.12E-04	1.78E-03	2.19E-01	1.03E-03	3.18E-01	9.95E-01	2.26E-01
752.54767	286.79	16.66	16.62	16.74	16.79	9.45E-01	9.99E-01	9.93E-01	9.71E-01	9.79E-01	9.44E-01	9.98E-01
752.56012	285.38	16.59	15.23	14.90	15.05	1.77E-11	4.43E-07	2.42E-10	2.51E-08	5.69E-01	9.06E-01	9.38E-01
752.66678	60.36	12.41	10.74	12.19	12.21	1.70E-10	8.28E-10	8.12E-01	8.70E-01	1.84E-07	3.04E-07	1.00E+00
752.70765	55.52	16.55	16.22	16.96	16.94	2.25E-11	1.10E-02	1.06E-03	2.54E-03	7.87E-10	4.98E-09	1.00E+00
752.73445	52.31	15.71	17.01	17.58	17.42	4.65E-32	4.29E-14	5.11E-15	1.02E-14	5.49E-04	2.91E-02	7.11E-01
752.7581	43.11	11.88	12.71	12.30	12.34	1.82E-02	7.65E-03	3.55E-01	2.89E-01	3.98E-01	5.39E-01	9.98E-01
752.7693	46.9	13.52	14.71	14.44	14.78	2.54E-21	4.37E-14	1.76E-11	4.35E-14	1.70E-01	9.39E-01	4.96E-02
752.89973	46.98	12.41	12.70	10.33	11.25	1.96E-37	2.76E-01	5.11E-15	1.22E-10	5.11E-15	5.37E-14	5.44E-07
753.30639	56.55	12.41	20.46	10.51	11.04	2.43E-107	5.11E-15	3.12E-12	1.30E-06	5.11E-15	5.11E-15	1.82E-01
753.5095	287.9	16.10	17.87	14.35	13.42	1.99E-24	2.49E-05	2.26E-05	1.84E-10	4.26E-14	1.98E-14	8.45E-02
753.54741	287.45	13.06	16.07	16.15	16.99	2.43E-19	4.88E-12	8.83E-13	4.27E-14	9.97E-01	1.29E-01	1.88E-01
753.73483	51.07	13.20	12.78	12.96	13.16	5.59E-02	5.87E-02	4.49E-01	9.95E-01	7.29E-01	1.39E-01	6.51E-01
753.80569	36.64	12.29	12.42	12.59	11.92	3.23E-01	9.84E-01	8.25E-01	7.26E-01	9.63E-01	5.31E-01	2.60E-01
754.30674	56.7	13.20	19.79	11.04	11.76	8.42E-121	5.11E-15	8.88E-15	3.36E-12	5.11E-15	5.11E-15	1.40E-03
754.50775	293.97	12.34	14.22	12.39	10.99	1.10E-06	2.84E-03	1.00E+00	6.82E-02	4.94E-03	1.82E-07	6.13E-02
754.66663	56.52	17.85	18.12	19.25	18.93	1.82E-22	2.13E-01	4.14E-14	3.17E-12	2.99E-13	3.34E-07	1.23E-01
754.68973	60.75	12.96	12.24	13.69	13.53	1.36E-04	1.34E-01	1.24E-01	3.39E-01	1.66E-04	1.59E-03	9.70E-01

754.71019	55.29	15.57	14.97	15.89	15.81	4.12E-09	2.42E-04	1.13E-01	3.51E-01	1.05E-08	4.34E-07	9.57E-01
754.71906	46.38	12.99	12.68	13.43	13.58	2.96E-03	6.07E-01	2.97E-01	1.05E-01	2.04E-02	4.56E-03	9.39E-01
754.72723	46.26	14.08	14.35	15.20	14.95	3.06E-11	3.31E-01	2.50E-10	2.47E-06	4.62E-06	3.43E-03	4.64E-01
754.73554	51.31	13.99	14.08	14.48	14.50	6.96E-02	9.77E-01	1.49E-01	1.55E-01	3.47E-01	3.47E-01	1.00E+00
754.75779	44.67	12.90	13.17	13.00	13.51	5.92E-02	6.29E-01	9.75E-01	4.61E-02	8.71E-01	4.92E-01	1.35E-01
755.2927	64.52	12.82	16.08	10.77	11.38	1.57E-87	5.11E-15	5.33E-15	4.95E-14	5.11E-15	5.11E-15	2.47E-03
755.31218	56.93	13.73	15.21	11.87	12.61	1.06E-59	4.12E-14	5.11E-15	7.50E-12	5.11E-15	5.11E-15	1.05E-05
755.48764	269.36	16.20	16.12	15.65	16.59	6.16E-02	9.96E-01	3.34E-01	6.49E-01	4.93E-01	5.31E-01	3.33E-02
755.67135	58.87	13.04	11.53	12.59	12.73	2.35E-09	1.11E-09	1.90E-01	5.35E-01	4.03E-05	6.02E-06	9.39E-01
755.75384	46.29	12.08	12.96	12.62	12.52	7.10E-02	4.06E-02	3.49E-01	5.62E-01	7.47E-01	5.89E-01	9.91E-01
755.83025	49.67	10.99	11.13	12.11	11.96	2.86E-03	9.78E-01	9.22E-03	4.23E-02	3.85E-02	1.27E-01	9.78E-01
756.15486	23.18	15.37	15.53	14.74	13.88	8.97E-03	9.88E-01	5.88E-01	2.09E-02	4.14E-01	1.05E-02	3.50E-01
756.30494	64.71	13.60	14.96	11.70	12.42	2.33E-56	4.26E-14	5.11E-15	2.06E-12	5.11E-15	5.11E-15	5.18E-05
756.4912	254.03	15.43	15.59	14.93	14.61	6.35E-02	9.72E-01	5.70E-01	1.68E-01	3.36E-01	7.59E-02	8.53E-01
756.66478	56.58	16.94	17.25	18.40	18.07	2.32E-19	1.87E-01	4.19E-14	1.42E-10	4.56E-11	8.92E-06	1.66E-01
756.79768	44.7	15.40	17.55	17.38	17.56	1.44E-25	3.71E-14	4.37E-14	4.11E-14	8.43E-01	1.00E+00	8.41E-01
756.81852	44.05	12.40	13.98	13.48	13.73	5.13E-08	8.00E-08	3.51E-04	1.35E-05	2.69E-01	8.19E-01	8.10E-01
757.50197	267.81	20.32	19.54	20.96	20.14	2.38E-07	4.21E-03	2.78E-02	8.66E-01	3.32E-08	6.52E-02	4.19E-03
757.67984	57.04	12.53	12.18	12.31	12.71	1.81E-01	4.77E-01	8.04E-01	8.92E-01	9.51E-01	1.71E-01	4.08E-01
757.82265	46.45	11.65	8.90	12.00	12.04	8.65E-12	2.57E-08	8.57E-01	8.28E-01	7.09E-10	1.52E-09	1.00E+00
757.83218	53.07	12.69	9.44	12.66	13.01	2.06E-16	9.36E-13	1.00E+00	8.81E-01	3.82E-12	1.72E-13	8.54E-01
758.50321	255.38	19.70	18.34	19.13	18.71	1.31E-10	7.19E-11	1.43E-02	4.93E-06	3.77E-04	2.52E-01	1.55E-01
758.66201	50.06	14.02	11.62	12.72	13.01	4.99E-19	3.84E-14	2.08E-07	1.51E-04	2.18E-05	1.49E-07	6.28E-01
758.68006	56.85	13.29	12.08	13.09	13.09	1.15E-09	1.98E-09	6.81E-01	6.91E-01	1.19E-06	3.08E-06	1.00E+00
758.75852	46.78	17.40	20.25	20.15	20.04	1.38E-40	5.11E-15	5.11E-15	5.11E-15	9.63E-01	7.37E-01	9.43E-01
759.51036	292.92	21.46	20.01	20.76	20.43	5.82E-05	2.27E-05	1.05E-01	6.92E-03	7.52E-02	5.53E-01	7.27E-01
759.57879	255.96	17.14	16.91	17.21	17.66	2.24E-01	9.03E-01	9.97E-01	4.55E-01	8.22E-01	1.62E-01	5.93E-01
759.68087	57.2	12.66	10.91	13.87	12.83	1.50E-11	2.69E-05	6.66E-03	9.70E-01	1.63E-12	1.14E-05	4.11E-02
759.7259	48.72	12.07	14.74	14.32	14.51	1.44E-29	6.22E-15	4.00E-14	3.15E-14	2.40E-01	7.53E-01	8.40E-01
759.76097	46.18	13.84	14.29	14.07	14.36	7.94E-03	2.85E-02	4.73E-01	1.02E-02	5.39E-01	9.77E-01	3.18E-01
759.76914	40.37	12.91	13.25	13.15	13.64	8.97E-03	3.52E-01	6.44E-01	3.67E-03	9.64E-01	2.79E-01	1.07E-01
760.51707	266.54	20.56	19.42	19.90	20.26	2.15E-05	9.91E-06	2.43E-02	5.94E-01	1.72E-01	3.75E-03	4.55E-01
760.55125	196.78	14.58	14.09	14.09	13.65	9.32E-03	2.50E-01	2.42E-01	3.56E-03	1.00E+00	3.76E-01	3.68E-01
760.58232	256.86	14.89	14.14	14.33	15.44	1.14E-02	2.48E-01	5.01E-01	5.32E-01	9.67E-01	1.25E-02	4.26E-02
760.68658	48.09	13.86	13.78	13.81	13.76	9.61E-01	9.80E-01	9.95E-01	9.55E-01	9.99E-01	9.99E-01	9.93E-01
760.69622	53.89	17.18	17.78	17.91	17.71	3.80E-11	1.47E-07	7.17E-11	8.44E-06	5.76E-01	9.11E-01	2.24E-01
760.72976	43.14	12.09	13.02	12.86	13.08	2.19E-05	2.02E-04	2.80E-03	9.43E-05	8.92E-01	9.92E-01	7.60E-01
760.75589	46.99	16.36	18.68	18.63	18.56	1.58E-40	5.11E-15	5.11E-15	5.11E-15	9.86E-01	8.88E-01	9.80E-01
761.47967	288.61	15.29	16.38	15.32	16.62	7.08E-07	8.67E-04	1.00E+00	4.13E-05	1.68E-03	8.43E-01	9.22E-05
761.52755	292.44	16.97	16.83	15.55	17.35	4.88E-06	9.76E-01	2.16E-04	6.99E-01	1.64E-03	4.71E-01	5.43E-06
761.53887	288.72	15.25	16.99	16.23	16.86	2.37E-10	1.49E-09	1.09E-03	5.67E-08	2.68E-02	9.63E-01	1.10E-01
761.59654	286.75	17.72	16.83	16.99	18.47	1.68E-04	8.88E-02	2.07E-01	2.16E-01	9.77E-01	3.14E-04	1.26E-03
761.6998	54.14	13.26	13.23	13.25	12.75	2.49E-02	9.97E-01	1.00E+00	3.48E-02	9.99E-01	6.82E-02	4.87E-02
761.72794	49.65	11.80	13.15	13.03	12.94	4.60E-09	5.59E-08	6.40E-07	1.01E-05	9.55E-01	8.18E-01	9.82E-01
761.76201	46.4	11.14	12.81	12.70	13.04	1.26E-05	3.10E-04	7.87E-04	4.90E-05	9.93E-01	9.51E-01	8.53E-01

762.50826	264.12	22.99	23.28	22.61	22.38	3.79E-02	7.96E-01	6.14E-01	2.38E-01	1.62E-01	3.72E-02	9.00E-01
762.53141	236.53	17.64	16.53	16.65	16.32	6.56E-04	5.98E-03	1.63E-02	9.95E-04	9.86E-01	9.38E-01	7.97E-01
762.59821	280.91	16.36	15.27	15.96	17.46	2.30E-06	2.09E-02	6.94E-01	2.54E-02	2.83E-01	5.83E-07	9.96E-04
762.69399	57.5	14.43	13.16	13.22	13.48	1.36E-08	1.30E-07	4.41E-07	2.12E-04	9.92E-01	4.96E-01	6.65E-01
762.7124	52.17	17.16	18.49	18.69	18.46	1.96E-48	5.11E-15	5.11E-15	5.11E-15	1.05E-01	9.94E-01	6.60E-02
762.74328	46.98	12.60	12.58	12.56	13.02	2.47E-01	1.00E+00	9.98E-01	3.50E-01	1.00E+00	3.28E-01	2.83E-01
762.77134	40.54	11.28	13.26	13.01	13.32	2.55E-12	6.27E-10	5.26E-08	5.83E-10	8.34E-01	9.98E-01	7.47E-01
763.07722	64.45	13.33	13.96	11.27	12.10	3.24E-56	1.03E-05	5.11E-15	4.33E-14	5.11E-15	5.11E-15	2.19E-08
763.49017	284.13	13.20	16.96	15.74	15.75	2.37E-15	4.37E-14	2.88E-08	7.61E-08	2.46E-02	3.44E-02	1.00E+00
763.51069	268.16	22.06	22.06	21.41	20.45	4.69E-05	1.00E+00	2.70E-01	1.07E-04	2.93E-01	1.72E-04	5.10E-02
763.53396	220.88	16.12	15.55	15.83	15.05	7.83E-04	1.13E-01	6.52E-01	3.50E-04	7.03E-01	2.55E-01	2.04E-02
763.54126	214.21	15.15	14.27	14.53	14.12	4.46E-03	1.89E-02	1.57E-01	4.75E-03	8.33E-01	9.59E-01	5.46E-01
763.74502	47.51	12.34	12.75	12.40	12.77	4.95E-01	6.43E-01	9.98E-01	6.28E-01	7.53E-01	1.00E+00	7.36E-01
764.49626	280.79	12.47	15.38	14.92	14.76	2.36E-11	1.44E-10	5.39E-08	1.05E-06	6.92E-01	4.84E-01	9.83E-01
764.52177	261.65	21.16	20.48	20.02	20.12	4.08E-05	3.97E-02	5.91E-05	5.53E-04	2.92E-01	5.46E-01	9.81E-01
764.5471	243.97	18.98	17.53	17.35	17.30	3.01E-07	8.56E-05	5.56E-06	5.92E-06	9.45E-01	8.99E-01	9.99E-01
764.64966	66.1	12.89	10.53	13.71	12.79	1.64E-22	6.28E-14	1.76E-02	9.83E-01	2.22E-14	2.81E-12	9.35E-03
764.7005	42.9	13.57	13.01	13.39	13.26	2.94E-03	1.27E-03	6.28E-01	1.81E-01	6.07E-02	3.89E-01	8.30E-01
764.7118	51.4	14.41	14.79	14.88	14.98	1.78E-17	9.60E-09	1.77E-12	4.22E-14	5.17E-01	1.90E-02	3.68E-01
764.78754	42.77	14.44	16.83	15.93	16.68	3.61E-13	6.31E-12	2.01E-05	2.84E-10	2.94E-02	9.72E-01	1.06E-01
764.93628	57.38	12.39	12.37	10.17	11.23	1.97E-26	1.00E+00	1.95E-14	1.99E-07	3.20E-14	7.25E-07	4.83E-06
765.08381	22.35	10.97	13.47	11.23	11.69	4.86E-10	9.94E-10	8.95E-01	2.34E-01	8.66E-08	6.07E-05	6.34E-01
765.47135	226.09	18.83	19.80	19.74	18.66	1.42E-10	3.89E-06	1.32E-05	8.13E-01	9.90E-01	2.09E-07	7.25E-07
765.5269	260.39	19.89	18.81	18.68	18.35	1.28E-05	3.36E-03	6.61E-04	1.46E-05	9.78E-01	4.96E-01	7.34E-01
765.55057	232	17.49	15.74	16.46	15.53	5.63E-09	4.73E-07	6.28E-03	3.42E-08	1.14E-01	9.22E-01	2.60E-02
765.66909	58.16	12.55	11.02	12.42	12.42	2.57E-09	2.13E-08	9.58E-01	9.61E-01	5.09E-07	1.30E-06	1.00E+00
766.10755	18.07	12.96	17.03	16.68	15.43	2.25E-22	4.01E-14	4.37E-14	1.89E-08	8.15E-01	8.05E-04	1.36E-02
766.47505	225.66	17.00	18.39	18.30	17.07	3.71E-11	8.67E-08	4.37E-07	9.92E-01	9.84E-01	1.61E-06	6.92E-06
766.53997	253.94	21.12	18.82	19.01	18.49	2.25E-16	7.00E-12	1.82E-10	7.04E-14	9.32E-01	7.15E-01	3.52E-01
766.66807	58.23	11.34	9.86	12.81	12.07	1.15E-17	7.49E-06	7.30E-06	8.27E-02	4.30E-14	1.40E-10	8.32E-02
766.72847	48.3	12.95	12.55	11.93	11.88	2.68E-03	5.94E-01	8.72E-03	7.39E-03	2.44E-01	2.04E-01	9.99E-01
766.74719	51.18	15.77	17.02	17.52	17.44	8.57E-34	4.24E-14	5.11E-15	5.33E-15	1.10E-03	1.17E-02	9.40E-01
766.79915	41.51	11.04	13.67	13.05	12.76	8.01E-10	6.06E-10	2.34E-06	1.35E-04	3.92E-01	1.18E-01	8.93E-01
766.85915	55.52	11.66	13.27	9.88	10.49	9.31E-63	1.82E-14	5.33E-15	4.26E-13	5.11E-15	5.11E-15	3.23E-04
766.86781	59.87	11.77	15.26	10.05	10.75	1.09E-73	5.11E-15	4.29E-14	1.80E-06	5.11E-15	5.11E-15	2.60E-03
766.8764	62.24	11.54	14.95	9.92	10.47	1.01E-100	5.11E-15	5.77E-15	5.38E-13	5.11E-15	5.11E-15	5.34E-04
767.10995	17.35	7.66	12.54	11.94	10.10	1.65E-15	7.18E-14	1.15E-11	3.14E-04	7.38E-01	5.17E-04	1.44E-02
767.48771	259.19	23.42	25.14	24.77	24.31	7.84E-14	1.42E-13	3.34E-09	2.79E-04	2.93E-01	1.20E-03	1.63E-01
767.54328	255.43	19.95	17.66	17.64	17.40	3.81E-12	1.01E-08	6.11E-09	5.25E-10	1.00E+00	9.09E-01	9.17E-01
767.66761	58.35	11.22	9.86	12.25	11.39	4.47E-06	9.66E-03	7.67E-02	9.82E-01	8.27E-07	5.01E-03	2.23E-01
767.71476	50.89	12.97	13.02	12.87	13.26	2.83E-01	9.95E-01	9.58E-01	4.60E-01	8.83E-01	6.34E-01	2.24E-01
768.49128	259.66	22.16	23.93	23.46	23.12	1.10E-12	5.80E-13	7.37E-08	2.25E-04	1.71E-01	3.58E-03	4.48E-01
768.54056	286.27	16.85	14.48	14.62	15.88	1.07E-10	3.15E-09	2.12E-08	5.16E-02	9.79E-01	1.81E-03	6.17E-03
768.68225	57.46	15.25	13.95	15.88	15.69	5.36E-21	1.18E-10	3.71E-03	9.24E-02	4.15E-14	4.42E-14	7.64E-01
768.70341	55.07	14.81	15.35	16.25	16.04	3.43E-24	3.27E-04	2.62E-14	4.36E-14	8.83E-10	7.32E-06	4.21E-01

768.74346	49.32	13.84	14.40	14.31	14.61	1.81E-10	1.80E-06	6.80E-05	1.23E-10	8.44E-01	2.46E-01	3.89E-02
768.86405	60.82	11.36	14.71	9.70	10.36	3.32E-63	5.11E-15	4.81E-13	3.38E-05	5.11E-15	5.11E-15	1.53E-02
768.8724	56.7	12.62	13.48	10.44	11.11	6.36E-53	3.75E-07	5.11E-15	4.35E-14	5.11E-15	5.11E-15	2.28E-04
769.50116	267.99	28.32	29.30	29.09	28.70	1.35E-08	1.97E-08	1.30E-05	9.51E-02	5.50E-01	2.35E-03	9.59E-02
769.69081	56.2	12.08	11.28	12.63	12.32	6.13E-03	1.52E-01	4.71E-01	9.29E-01	3.40E-03	4.89E-02	8.67E-01
769.70832	54.47	12.36	12.61	12.64	12.86	2.15E-01	7.12E-01	6.19E-01	1.46E-01	9.99E-01	7.11E-01	7.81E-01
769.75715	46.58	12.41	12.69	12.47	12.87	1.30E-01	5.25E-01	9.91E-01	1.36E-01	7.20E-01	8.46E-01	2.54E-01
769.78293	38.07	12.63	11.75	12.16	11.90	1.34E-01	1.17E-01	6.23E-01	2.73E-01	7.39E-01	9.84E-01	9.23E-01
770.50527	266.24	27.35	28.12	27.76	27.48	2.56E-08	2.41E-08	5.92E-03	7.45E-01	2.90E-02	1.51E-05	1.41E-01
770.64035	58.71	15.51	14.39	16.91	16.50	5.56E-20	4.42E-05	2.00E-07	7.34E-04	4.25E-14	2.18E-13	3.82E-01
770.66074	61.08	14.53	11.91	14.76	14.06	1.31E-40	5.11E-15	5.75E-01	4.92E-02	5.11E-15	1.60E-14	1.24E-03
770.68275	57.55	14.88	13.31	14.87	14.67	1.75E-20	4.42E-14	1.00E+00	5.74E-01	4.30E-14	1.06E-12	6.20E-01
770.70378	55.46	14.17	13.57	14.58	14.55	2.81E-12	1.09E-04	1.33E-02	3.40E-02	4.02E-11	5.59E-10	9.97E-01
770.73254	47.34	12.52	12.81	13.02	12.99	1.17E-01	5.77E-01	1.23E-01	1.90E-01	8.08E-01	8.83E-01	9.99E-01
770.83862	38.98	12.14	12.59	12.38	13.08	1.57E-03	2.06E-01	7.09E-01	6.75E-04	8.13E-01	2.08E-01	2.56E-02
771.51586	271.25	27.45	27.60	27.76	27.57	1.42E-01	6.60E-01	8.88E-02	8.30E-01	6.51E-01	9.94E-01	5.03E-01
771.7337	47.88	10.59	13.20	12.38	13.19	3.04E-17	5.06E-14	6.23E-08	8.34E-14	4.05E-02	1.00E+00	5.10E-02
772.52097	268.56	26.06	26.34	26.65	26.30	1.05E-02	3.98E-01	3.99E-03	5.57E-01	2.80E-01	9.97E-01	2.05E-01
772.55204	221.87	18.87	16.54	15.99	16.13	1.59E-24	4.98E-14	3.33E-14	4.14E-14	1.93E-01	4.78E-01	9.60E-01
772.63981	59.13	14.09	12.22	14.67	14.53	1.09E-16	5.86E-10	1.48E-01	4.07E-01	4.69E-14	5.99E-13	9.62E-01
772.73725	47.44	10.59	12.80	11.90	12.61	3.48E-09	1.42E-08	1.38E-03	4.71E-07	6.56E-02	9.60E-01	2.23E-01
772.77443	46.8	15.85	17.74	17.60	17.69	1.47E-28	1.64E-14	3.51E-14	3.18E-14	8.39E-01	9.92E-01	9.54E-01
772.79556	45.96	13.66	15.51	15.40	15.50	2.06E-23	4.24E-14	4.34E-14	4.35E-14	9.40E-01	1.00E+00	9.52E-01
773.52853	265.7	25.32	25.22	25.12	25.27	7.62E-01	9.56E-01	7.17E-01	9.94E-01	9.54E-01	9.96E-01	8.81E-01
774.56681	243.15	20.89	17.73	16.80	18.67	4.21E-32	3.29E-14	5.11E-15	1.99E-11	1.17E-02	1.37E-02	2.89E-08
774.65835	59.72	12.24	10.87	13.46	12.11	8.22E-16	4.29E-06	4.40E-05	9.66E-01	4.26E-14	1.07E-04	1.68E-05
774.7322	49.24	17.81	20.09	20.15	19.94	7.25E-47	5.11E-15	5.11E-15	5.11E-15	9.78E-01	7.81E-01	5.35E-01
774.77191	47.19	13.67	13.96	13.28	14.21	2.38E-02	7.58E-01	5.66E-01	2.91E-01	1.20E-01	8.60E-01	1.76E-02
775.57	242.26	19.82	15.84	13.73	16.90	1.69E-46	5.77E-15	5.11E-15	4.55E-14	5.43E-09	1.02E-02	4.34E-14
775.61294	291.51	17.20	16.63	17.22	18.38	1.08E-08	1.05E-01	1.00E+00	5.54E-05	1.01E-01	2.04E-09	1.03E-04
775.70132	53.14	12.15	12.34	12.58	12.43	1.92E-01	7.76E-01	1.36E-01	5.31E-01	6.46E-01	9.76E-01	8.86E-01
775.72738	42.58	12.61	12.45	12.16	12.52	8.38E-02	8.16E-01	6.05E-02	9.62E-01	3.92E-01	9.84E-01	2.30E-01
775.73751	48.51	13.83	15.10	15.08	14.99	7.85E-13	2.18E-10	2.91E-10	1.73E-08	9.99E-01	9.36E-01	9.63E-01
776.54527	241.26	24.31	21.95	22.01	22.00	1.10E-12	5.10E-10	1.04E-09	3.08E-09	9.98E-01	9.99E-01	1.00E+00
776.58243	257.2	17.38	15.60	14.93	18.26	7.29E-12	6.68E-04	8.97E-07	2.40E-01	4.86E-01	4.91E-07	2.01E-10
776.67171	57.43	16.55	16.44	17.60	17.35	3.07E-21	7.97E-01	5.07E-14	6.38E-09	4.40E-14	1.23E-10	2.29E-01
776.69969	53.38	12.86	12.34	12.24	12.41	1.65E-05	6.21E-04	1.75E-05	5.36E-03	8.57E-01	9.62E-01	5.86E-01
776.73003	49.17	16.74	18.68	18.80	18.66	1.07E-40	5.11E-15	5.11E-15	5.11E-15	8.33E-01	9.99E-01	7.83E-01
777.50225	282.07	12.90	17.35	9.43	9.58	1.78E-30	4.58E-11	2.46E-07	2.14E-06	5.33E-15	7.55E-15	9.95E-01
777.54846	240.53	22.55	21.58	21.62	20.90	2.95E-04	3.97E-02	5.17E-02	8.87E-05	9.99E-01	2.92E-01	2.30E-01
777.67234	58.29	12.94	12.19	13.15	12.88	1.58E-04	3.22E-03	7.46E-01	9.95E-01	9.88E-05	1.26E-02	6.34E-01
777.74073	47.26	12.88	12.75	12.71	12.69	7.26E-01	8.89E-01	7.73E-01	7.43E-01	9.96E-01	9.91E-01	1.00E+00
778.50532	289.23	15.19	16.36	15.02	15.15	5.59E-05	8.51E-04	9.43E-01	9.99E-01	1.33E-04	1.04E-03	9.81E-01
778.55661	250.25	21.64	21.24	21.34	20.50	1.62E-02	6.56E-01	8.19E-01	8.11E-03	9.92E-01	1.79E-01	9.50E-02
778.59727	264.38	13.14	18.51	18.78	17.59	6.65E-73	5.11E-15	5.11E-15	5.11E-15	6.47E-01	9.62E-04	6.93E-06

778.66709	61.44	13.77	11.85	13.01	13.11	1.07E-18	4.11E-14	2.80E-04	3.26E-03	2.41E-08	4.71E-09	9.58E-01
778.68462	55.37	14.87	15.28	15.85	15.57	1.53E-24	1.34E-05	8.66E-15	1.96E-13	6.56E-10	5.43E-03	7.33E-03
778.69353	47.52	14.61	14.19	15.17	14.96	1.52E-10	1.34E-02	2.85E-04	6.02E-02	1.68E-10	1.36E-06	4.67E-01
778.72554	51.78	13.24	12.47	12.52	13.10	1.39E-04	1.13E-03	2.42E-03	9.02E-01	9.95E-01	2.01E-02	3.61E-02
778.74732	46.6	13.15	14.50	14.13	14.37	1.88E-16	4.92E-14	7.25E-09	4.47E-12	9.07E-02	8.45E-01	4.62E-01
779.48768	288.19	13.69	16.33	15.44	16.03	2.47E-08	6.13E-08	5.36E-04	3.49E-06	2.03E-01	9.20E-01	5.78E-01
779.50038	210.42	9.41	12.22	13.92	9.04	8.92E-15	4.76E-05	1.65E-11	9.34E-01	3.62E-02	1.05E-05	5.22E-12
779.52375	282.78	19.80	20.03	19.98	19.53	3.14E-01	8.35E-01	9.07E-01	7.75E-01	9.98E-01	3.14E-01	3.96E-01
779.56268	241.28	19.85	17.58	17.87	18.55	4.05E-07	7.73E-07	1.72E-05	1.41E-02	9.02E-01	1.22E-01	4.00E-01
779.60101	262.82	12.88	16.77	17.25	15.68	2.47E-50	5.11E-15	5.11E-15	1.15E-14	1.84E-01	1.01E-04	5.53E-09
780.48117	202.12	11.35	14.64	14.61	13.11	9.89E-13	8.69E-11	8.76E-11	1.41E-03	1.00E+00	1.05E-02	1.18E-02
780.49002	206.36	10.42	13.72	12.99	12.11	4.42E-10	3.91E-10	1.00E-06	4.15E-03	4.49E-01	8.89E-03	2.93E-01
780.51304	288.01	14.17	15.42	15.14	14.81	8.41E-07	5.83E-07	1.31E-04	3.13E-02	6.29E-01	5.67E-02	5.05E-01
780.5249	283.76	18.63	19.20	19.06	18.71	5.57E-02	7.48E-02	2.59E-01	9.87E-01	9.33E-01	1.99E-01	4.92E-01
780.56672	222.48	17.75	15.87	16.20	16.94	5.56E-06	7.34E-06	2.83E-04	1.58E-01	8.23E-01	3.83E-02	2.45E-01
780.67334	55.28	13.42	12.86	13.68	13.54	5.18E-13	5.79E-07	5.18E-02	6.18E-01	8.11E-13	5.22E-09	5.98E-01
780.68164	54.71	14.98	15.17	15.81	15.66	1.98E-21	1.06E-01	4.12E-14	8.80E-13	1.47E-11	5.80E-07	3.36E-01
780.75325	38.15	13.01	13.42	12.85	13.42	4.72E-03	1.25E-01	8.45E-01	1.30E-01	1.80E-02	1.00E+00	1.99E-02
780.76101	43.68	14.99	17.46	16.83	17.27	4.70E-23	3.80E-14	6.20E-13	4.15E-14	4.54E-02	8.67E-01	2.84E-01
780.90887	52.17	9.01	12.80	8.22	8.67	5.88E-68	5.11E-15	1.90E-04	2.92E-01	5.11E-15	5.11E-15	1.05E-01
781.50265	265.81	19.06	18.72	18.25	17.86	6.84E-04	6.57E-01	2.97E-02	5.60E-04	3.97E-01	3.08E-02	5.90E-01
781.75864	46.42	11.66	12.89	12.67	12.93	3.12E-07	5.19E-06	2.18E-04	4.05E-06	8.18E-01	9.98E-01	7.31E-01
782.49905	243.26	19.68	19.13	19.33	19.11	8.30E-02	1.17E-01	4.77E-01	1.10E-01	8.56E-01	1.00E+00	8.27E-01
782.69717	55.99	13.37	12.46	13.79	13.30	2.79E-06	9.96E-04	2.85E-01	9.93E-01	7.23E-07	5.06E-03	2.11E-01
782.70942	48.19	13.03	11.96	12.43	12.45	2.67E-05	5.16E-06	2.28E-02	4.25E-02	1.35E-01	1.21E-01	9.99E-01
782.71869	54.15	14.19	13.62	14.46	14.47	6.32E-11	4.04E-05	1.20E-01	1.21E-01	1.19E-09	2.68E-09	1.00E+00
782.76876	38.31	12.64	12.74	13.09	13.27	6.43E-02	9.77E-01	2.76E-01	8.06E-02	5.35E-01	2.14E-01	9.17E-01
782.77627	43.7	14.10	17.21	16.62	16.59	5.03E-25	1.67E-14	4.19E-14	4.47E-14	1.49E-01	1.41E-01	1.00E+00
782.84373	61.09	11.41	14.17	9.72	10.27	3.20E-75	5.11E-15	3.24E-14	1.40E-10	5.11E-15	5.11E-15	6.04E-03
783.51397	285.89	22.17	20.99	22.35	21.55	9.16E-08	6.75E-06	8.78E-01	5.55E-02	3.23E-07	1.09E-01	8.31E-03
783.69077	55.04	11.19	12.82	12.99	13.02	3.03E-09	2.65E-06	1.47E-07	2.47E-07	9.55E-01	9.33E-01	1.00E+00
784.52004	280.89	20.85	19.70	20.83	20.07	1.45E-07	2.90E-06	1.00E+00	4.14E-03	7.03E-06	3.86E-01	6.76E-03
784.66793	49.68	12.95	11.60	12.55	12.64	4.16E-04	1.96E-04	5.83E-01	7.78E-01	2.02E-02	1.20E-02	9.93E-01
784.67667	56.28	14.42	13.41	14.79	14.55	3.67E-21	1.27E-12	1.76E-02	7.38E-01	3.65E-14	7.41E-14	2.73E-01
784.7164	47.16	14.19	13.33	13.50	13.84	1.60E-17	4.42E-14	1.08E-11	1.92E-03	2.73E-01	2.35E-06	3.02E-03
784.77105	42.96	12.40	12.91	13.04	13.36	1.69E-04	7.62E-02	1.27E-02	6.20E-05	9.29E-01	1.59E-01	4.30E-01
785.47393	177.32	13.21	15.47	15.48	13.81	3.86E-06	9.06E-05	7.07E-05	6.64E-01	1.00E+00	1.24E-02	1.09E-02
785.52056	287.08	18.19	17.32	17.48	17.24	1.67E-03	6.81E-03	3.68E-02	3.10E-03	9.38E-01	9.90E-01	8.17E-01
785.53863	288.42	13.36	14.39	14.19	14.09	8.25E-03	7.16E-03	4.12E-02	1.15E-01	9.31E-01	8.02E-01	9.88E-01
785.68474	55.77	12.97	11.80	12.94	13.19	8.57E-07	3.85E-05	1.00E+00	8.39E-01	9.11E-05	2.85E-06	7.93E-01
785.73383	47.59	11.02	12.87	12.82	12.77	3.37E-17	1.43E-13	2.90E-13	5.13E-12	9.97E-01	9.77E-01	9.97E-01
786.51955	257.8	22.75	20.86	20.56	23.22	2.10E-21	7.20E-10	7.08E-13	3.44E-01	7.09E-01	3.89E-13	4.33E-14
786.56439	206.47	15.02	15.62	15.13	14.34	9.31E-03	3.21E-01	9.89E-01	2.34E-01	5.19E-01	3.59E-03	1.40E-01
786.66861	49.28	12.26	11.55	11.75	12.07	1.00E-01	9.22E-02	3.29E-01	9.26E-01	9.16E-01	3.72E-01	7.50E-01
786.67753	57.03	13.39	12.48	13.23	13.30	1.28E-04	1.61E-04	8.67E-01	9.75E-01	3.75E-03	1.83E-03	9.89E-01

786.73527	47.04	12.57	12.93	12.77	13.10	1.37E-01	3.92E-01	7.99E-01	1.05E-01	9.10E-01	8.88E-01	5.15E-01
786.79198	40.46	12.32	12.46	12.01	13.54	2.00E-03	9.82E-01	8.57E-01	1.29E-02	6.65E-01	4.53E-02	1.23E-03
786.80185	39.13	11.62	12.22	11.82	12.41	9.02E-03	7.72E-02	8.41E-01	1.11E-02	4.03E-01	8.80E-01	1.08E-01
786.81085	45.29	13.45	13.69	13.72	14.09	2.20E-03	4.18E-01	3.25E-01	6.54E-04	9.99E-01	8.67E-02	1.15E-01
787.52249	257.07	21.74	19.81	19.98	22.01	6.24E-17	2.25E-10	5.62E-09	7.91E-01	9.27E-01	9.16E-12	2.22E-10
788.53456	257.57	23.24	22.69	22.72	22.21	8.12E-03	2.22E-01	2.56E-01	3.03E-03	1.00E+00	3.85E-01	3.27E-01
788.58174	205.46	16.35	16.00	15.97	15.59	3.28E-03	2.79E-01	2.03E-01	1.01E-03	9.99E-01	1.88E-01	2.42E-01
788.59085	198.18	14.79	14.71	14.37	14.09	1.90E-02	9.85E-01	2.83E-01	2.13E-02	5.07E-01	6.45E-02	6.57E-01
788.74873	48.24	15.97	17.53	17.48	17.51	2.61E-29	1.71E-14	2.31E-14	2.71E-14	9.89E-01	1.00E+00	9.97E-01
788.76935	47.42	13.17	16.01	16.02	15.96	6.64E-32	7.55E-15	6.88E-15	1.60E-14	1.00E+00	9.96E-01	9.94E-01
789.47098	216.93	16.25	17.44	17.71	16.43	8.38E-08	1.61E-04	1.69E-06	9.27E-01	7.80E-01	3.61E-03	9.40E-05
789.5457	255.16	21.05	19.14	19.21	19.74	3.61E-10	6.49E-09	1.52E-08	1.81E-04	9.97E-01	2.31E-01	3.20E-01
789.588	196.27	14.99	14.37	14.41	13.85	2.66E-06	1.07E-02	1.88E-02	4.33E-07	9.97E-01	6.95E-02	3.91E-02
790.47659	221	13.71	14.40	15.13	13.86	2.23E-03	3.03E-01	2.03E-03	9.81E-01	2.73E-01	5.75E-01	1.34E-02
790.50242	201.26	15.14	14.80	14.72	14.61	1.26E-01	4.50E-01	2.57E-01	1.13E-01	9.87E-01	8.61E-01	9.67E-01
790.50976	292.44	19.11	21.02	20.90	20.09	4.09E-07	1.98E-06	7.71E-06	4.59E-02	9.88E-01	7.25E-02	1.43E-01
790.55455	258.9	23.25	22.67	22.55	22.18	1.11E-04	5.39E-02	1.06E-02	3.95E-05	9.51E-01	1.69E-01	4.04E-01
790.70613	51.76	17.83	19.51	19.83	19.57	3.67E-48	5.11E-15	5.11E-15	5.11E-15	3.22E-02	9.54E-01	1.38E-01
790.74811	48.03	13.54	13.93	13.43	14.47	7.29E-04	4.46E-01	9.73E-01	3.07E-03	2.40E-01	1.91E-01	8.86E-04
790.76802	46.85	12.05	13.19	13.34	13.50	7.51E-10	5.77E-06	1.45E-07	1.13E-08	9.04E-01	5.51E-01	9.09E-01
791.48716	231.5	21.94	22.68	22.75	22.12	1.19E-08	6.02E-06	3.75E-07	6.21E-01	9.57E-01	2.27E-03	3.12E-04
791.51979	293.98	15.67	18.65	19.16	16.87	9.44E-09	4.64E-06	4.76E-08	1.92E-01	8.34E-01	2.27E-02	1.41E-03
791.5597	259.28	22.29	21.40	21.50	20.83	8.94E-05	1.89E-02	4.49E-02	2.49E-05	9.88E-01	2.74E-01	1.44E-01
791.67948	55.93	12.21	11.77	13.25	12.76	3.99E-07	3.17E-01	3.90E-04	1.59E-01	3.29E-07	1.76E-03	2.78E-01
791.70891	51.97	12.75	13.11	13.28	13.64	1.05E-03	3.17E-01	5.97E-02	3.80E-04	8.71E-01	9.42E-02	3.77E-01
792.49106	231.01	20.81	21.56	21.67	20.94	4.72E-09	9.76E-06	2.35E-07	8.23E-01	8.97E-01	9.58E-04	5.33E-05
792.56992	255.64	21.05	19.32	19.53	19.48	1.57E-06	9.10E-06	1.04E-04	1.11E-04	9.37E-01	9.73E-01	9.99E-01
792.64545	59.12	14.35	13.42	15.17	14.94	1.46E-33	3.01E-12	5.75E-10	2.56E-05	5.11E-15	8.88E-15	2.67E-01
792.6514	51.82	13.77	12.76	14.34	14.20	1.18E-22	1.38E-10	6.14E-04	2.03E-02	3.33E-14	4.51E-14	8.17E-01
792.6754	56.36	12.53	11.72	12.16	12.28	1.65E-04	4.78E-05	1.50E-01	5.29E-01	7.60E-02	1.51E-02	9.05E-01
792.70407	52.02	16.79	18.25	18.63	18.35	1.62E-37	1.04E-14	5.11E-15	6.00E-15	1.31E-02	8.69E-01	1.23E-01
792.75033	47.36	9.20	12.63	12.45	11.99	9.49E-16	2.19E-13	1.68E-12	3.95E-09	9.74E-01	4.80E-01	7.30E-01
793.1012	62.17	12.19	12.27	10.08	10.90	7.79E-30	9.74E-01	1.07E-14	3.04E-10	1.02E-14	8.55E-11	1.43E-04
793.11318	54.04	12.15	13.15	10.14	10.96	1.88E-42	2.03E-07	1.24E-14	1.47E-09	5.11E-15	8.66E-15	6.39E-05
793.50044	255.23	27.47	26.67	27.21	26.61	4.73E-02	1.07E-01	8.85E-01	8.29E-02	4.28E-01	9.98E-01	3.54E-01
793.71587	49.2	11.61	12.64	12.74	12.89	7.21E-09	1.23E-05	9.92E-07	8.58E-08	9.65E-01	6.86E-01	9.13E-01
794.5043	257.64	26.26	25.64	25.56	25.49	8.00E-02	2.33E-01	1.46E-01	1.05E-01	9.96E-01	9.74E-01	9.96E-01
794.64685	61.88	12.54	11.66	11.77	11.98	2.34E-05	3.35E-05	3.38E-04	2.34E-02	9.38E-01	3.68E-01	7.08E-01
794.65291	49.89	13.03	12.41	13.41	12.90	2.15E-08	2.66E-04	6.08E-02	8.39E-01	2.93E-09	1.05E-02	8.66E-03
794.66348	57.17	15.61	15.82	16.89	16.53	1.85E-16	5.15E-01	5.46E-14	5.72E-08	2.17E-10	6.49E-05	1.10E-01
794.70098	55.22	13.14	12.14	12.42	12.64	3.83E-04	1.79E-04	1.21E-02	1.60E-01	6.43E-01	1.90E-01	8.18E-01
794.71906	48.46	11.16	12.85	12.76	12.91	3.47E-15	9.18E-12	7.17E-11	6.69E-12	9.78E-01	9.95E-01	9.22E-01
794.79868	43.08	13.52	15.87	15.42	15.63	4.28E-16	7.24E-14	3.46E-10	1.70E-11	3.95E-01	8.57E-01	8.83E-01
795.51465	268.75	28.15	28.84	28.69	28.12	1.96E-09	5.89E-07	9.91E-05	9.98E-01	6.71E-01	1.02E-06	1.24E-04
796.51905	269.33	26.95	27.62	27.37	26.88	3.54E-09	5.83E-07	3.53E-03	9.15E-01	1.77E-01	1.00E-07	6.78E-04

796.6528	56.97	13.71	12.75	13.78	13.72	7.56E-29	2.00E-14	8.68E-01	1.00E+00	1.04E-14	3.40E-14	9.16E-01
796.66484	50.8	13.32	12.51	12.67	12.99	3.70E-08	5.98E-08	1.66E-05	9.64E-02	6.47E-01	4.55E-03	1.06E-01
796.72539	38.91	12.48	13.22	12.85	13.28	4.65E-03	1.29E-02	4.01E-01	8.49E-03	4.47E-01	9.97E-01	3.49E-01
796.74204	45.29	13.76	15.88	15.27	15.80	4.54E-22	4.05E-14	3.18E-11	4.35E-14	2.27E-02	9.81E-01	7.64E-02
796.79463	43.55	11.67	12.81	11.99	12.86	2.59E-03	1.25E-02	8.23E-01	9.95E-03	1.33E-01	9.99E-01	1.08E-01
796.88554	60.67	12.55	12.53	10.62	11.21	1.05E-47	9.97E-01	5.11E-15	2.55E-14	5.11E-15	3.80E-14	2.25E-05
797.5234	267.31	25.21	25.19	25.14	24.51	1.83E-06	9.98E-01	9.56E-01	6.76E-06	9.89E-01	2.72E-05	8.85E-05
797.73437	47.02	11.83	12.80	12.57	13.22	1.02E-08	4.00E-05	2.48E-03	3.73E-09	7.17E-01	2.21E-01	1.73E-02
798.5309	267.45	22.87	22.47	22.54	21.88	1.65E-06	9.11E-02	2.16E-01	2.72E-07	9.75E-01	6.40E-03	1.41E-03
798.5663	241.46	21.52	18.70	18.42	18.99	8.41E-34	6.22E-15	5.11E-15	3.53E-14	6.60E-01	6.28E-01	9.42E-02
798.6921	56.15	13.62	12.55	14.14	14.07	2.03E-14	6.12E-07	3.71E-02	1.05E-01	4.25E-13	1.34E-11	9.89E-01
798.75122	45.9	13.95	15.73	15.29	15.47	8.35E-26	1.24E-14	4.63E-14	4.26E-14	2.57E-02	3.92E-01	6.46E-01
798.76023	39.8	13.70	14.61	13.93	14.42	9.86E-05	1.91E-04	6.94E-01	6.33E-03	1.18E-02	8.45E-01	1.28E-01
799.55118	262.01	21.86	20.00	19.94	19.88	4.22E-23	4.17E-14	4.14E-14	4.29E-14	9.91E-01	9.40E-01	9.92E-01
799.66092	57.92	11.43	11.15	12.05	12.22	2.29E-05	6.16E-01	3.97E-02	6.26E-03	1.10E-03	1.17E-04	8.98E-01
800.54586	258.03	20.81	20.64	20.94	20.05	4.35E-03	8.93E-01	9.48E-01	1.48E-02	6.12E-01	1.09E-01	3.36E-03
800.57927	238.79	19.43	15.07	14.47	16.98	6.19E-38	5.11E-15	5.11E-15	4.60E-11	2.85E-01	8.15E-07	4.68E-11
800.65392	49.23	12.76	11.18	12.38	12.51	1.40E-10	1.75E-10	3.37E-01	7.17E-01	2.26E-06	3.50E-07	9.45E-01
800.69201	55.71	13.46	13.05	13.40	13.49	2.31E-01	2.75E-01	9.91E-01	1.00E+00	4.50E-01	2.75E-01	9.82E-01
800.74845	45.01	12.16	13.95	13.57	14.10	1.74E-16	4.67E-13	7.88E-09	7.32E-14	3.32E-01	9.31E-01	1.11E-01
801.54889	245.16	18.79	18.54	18.67	18.04	7.31E-02	8.29E-01	9.79E-01	5.61E-02	9.70E-01	3.44E-01	1.50E-01
801.58518	247.66	16.68	13.29	12.71	15.03	8.97E-28	4.11E-14	6.66E-15	1.26E-05	3.15E-01	6.27E-06	8.01E-10
801.71148	49.86	11.54	13.08	12.64	12.76	6.91E-07	6.91E-07	5.66E-04	1.88E-04	4.28E-01	7.11E-01	9.77E-01
802.56	279.32	21.15	21.16	20.79	20.86	3.13E-01	1.00E+00	4.38E-01	6.43E-01	4.50E-01	6.48E-01	9.93E-01
802.59849	247.52	14.24	17.90	18.59	17.40	9.39E-26	4.39E-14	1.07E-14	1.42E-13	2.70E-01	5.92E-01	1.42E-02
802.76629	44.11	12.63	12.68	12.61	13.29	2.78E-01	9.99E-01	1.00E+00	3.29E-01	9.98E-01	4.15E-01	3.19E-01
802.78673	46.91	13.63	14.10	14.20	14.51	4.56E-10	6.16E-04	2.11E-05	9.95E-11	8.76E-01	9.36E-03	6.84E-02
803.60039	243.31	13.52	17.48	17.38	16.87	1.66E-35	5.11E-15	5.11E-15	2.51E-14	9.86E-01	1.93E-01	3.40E-01
803.84075	51.89	12.93	10.57	12.07	13.05	1.24E-14	1.11E-12	2.15E-02	9.82E-01	1.19E-05	1.46E-12	1.14E-02
804.51112	289.08	12.11	14.04	13.51	14.54	2.08E-06	1.61E-04	1.01E-02	2.02E-06	6.64E-01	7.15E-01	1.32E-01
804.52343	283.35	14.58	16.36	15.49	16.42	3.53E-11	2.87E-09	5.19E-03	1.91E-09	1.05E-02	9.96E-01	6.35E-03
804.57428	241.14	22.13	20.56	20.55	21.02	3.73E-11	2.12E-09	1.11E-09	5.68E-05	1.00E+00	2.65E-01	2.36E-01
804.61217	264.91	14.24	16.58	17.65	15.60	1.06E-15	1.86E-08	4.27E-14	3.21E-03	3.32E-02	6.96E-02	3.38E-06
804.62141	269.31	9.13	12.95	13.72	11.95	2.38E-13	2.15E-09	5.69E-13	2.46E-05	5.67E-01	3.61E-01	2.05E-02
804.71338	44.51	12.99	12.46	12.28	12.77	6.29E-06	1.43E-03	6.61E-06	4.19E-01	6.16E-01	1.78E-01	7.47E-03
804.72181	50.49	15.78	16.86	16.89	16.93	7.28E-18	5.42E-13	1.32E-13	1.25E-13	9.97E-01	9.63E-01	9.91E-01
804.74088	42.16	13.67	15.71	15.92	15.73	1.66E-34	7.33E-15	5.11E-15	8.88E-15	6.32E-01	9.99E-01	7.33E-01
804.78055	36.78	12.71	12.76	12.36	13.06	5.08E-02	9.96E-01	4.36E-01	4.84E-01	3.37E-01	6.43E-01	2.64E-02
805.49826	192.98	7.90	12.11	12.05	11.66	4.31E-21	4.39E-14	4.33E-14	1.65E-13	9.99E-01	7.85E-01	8.43E-01
805.50628	225.91	12.68	14.94	15.33	14.58	2.91E-06	1.31E-04	4.18E-06	2.63E-03	8.92E-01	9.14E-01	5.29E-01
805.57982	244.26	20.98	19.08	18.99	19.35	2.41E-19	4.46E-14	4.44E-14	3.10E-11	9.81E-01	6.19E-01	3.83E-01
806.49787	249.54	20.89	19.79	20.12	20.09	2.99E-05	1.66E-05	4.55E-03	4.56E-03	4.87E-01	5.89E-01	9.99E-01
806.53313	294.21	13.23	15.48	15.29	13.80	3.87E-08	9.47E-07	7.35E-06	5.37E-01	9.66E-01	9.60E-04	4.32E-03
806.58416	268.52	17.21	16.38	16.32	15.92	5.35E-04	3.34E-02	1.85E-02	2.86E-04	9.98E-01	4.81E-01	5.82E-01
806.62848	298.05	11.96	12.14	12.78	13.54	5.68E-05	9.48E-01	7.55E-02	6.54E-05	2.67E-01	8.57E-04	1.51E-01

806.68046	54.36	17.41	18.57	19.20	18.94	2.28E-36	4.31E-14	5.11E-15	5.77E-15	4.81E-06	2.52E-02	1.60E-01
806.74218	48.26	12.29	13.69	13.89	13.87	9.51E-19	2.19E-12	4.27E-14	6.61E-14	7.28E-01	8.04E-01	1.00E+00
806.75107	41.82	12.35	12.89	12.68	12.64	2.57E-02	1.24E-02	2.30E-01	3.78E-01	6.45E-01	5.27E-01	9.96E-01
807.09904	17.63	10.73	12.39	11.86	12.83	1.66E-12	1.31E-08	1.58E-04	3.48E-12	2.08E-01	4.18E-01	3.64E-03
807.50786	259.44	22.03	19.99	20.47	20.10	3.19E-09	3.19E-08	2.80E-05	3.67E-07	5.00E-01	9.90E-01	7.16E-01
807.58921	202.82	17.03	15.14	15.07	14.50	9.44E-24	6.23E-14	4.26E-14	2.55E-14	9.92E-01	3.49E-02	6.85E-02
807.68397	55.36	12.02	12.49	12.73	12.67	5.53E-03	1.40E-01	6.44E-03	1.95E-02	7.02E-01	8.50E-01	9.95E-01
808.51543	252.9	21.47	19.65	20.65	20.03	1.58E-15	4.51E-14	4.60E-04	7.20E-10	2.90E-05	3.11E-01	2.62E-02
808.55031	199.46	14.18	14.27	13.88	13.64	5.28E-02	9.82E-01	5.76E-01	1.25E-01	3.77E-01	6.29E-02	7.77E-01
808.61662	61.68	13.73	12.16	14.71	14.25	1.25E-23	5.18E-11	6.18E-05	1.04E-01	1.60E-14	4.29E-14	1.81E-01
808.64754	58.04	12.11	10.32	12.07	11.79	2.39E-13	7.24E-12	9.98E-01	5.54E-01	4.61E-11	9.48E-08	6.67E-01
808.67825	54.7	16.55	17.55	18.23	17.93	2.94E-33	8.39E-14	5.11E-15	1.98E-14	3.32E-07	1.42E-02	7.50E-02
808.81251	38.32	11.55	12.54	12.27	12.76	4.19E-03	2.19E-02	1.48E-01	3.88E-03	8.69E-01	9.30E-01	5.26E-01
809.07542	54.56	12.36	12.48	10.46	11.10	1.97E-35	8.65E-01	5.11E-15	1.73E-13	5.11E-15	4.82E-14	2.97E-04
809.09087	63.38	11.43	13.43	9.74	10.42	2.39E-49	3.55E-14	4.35E-14	2.37E-06	5.11E-15	5.11E-15	3.40E-03
809.52684	274.88	20.52	19.99	20.51	19.59	2.34E-06	2.72E-02	1.00E+00	1.68E-05	3.39E-02	1.88E-01	2.79E-05
810.52925	248.92	22.85	21.34	21.62	21.67	1.06E-06	1.75E-06	1.29E-04	4.58E-04	7.64E-01	6.88E-01	9.98E-01
810.56596	243.88	18.53	18.74	18.31	17.47	3.65E-03	9.25E-01	9.13E-01	1.42E-02	5.98E-01	2.72E-03	8.91E-02
810.77405	44.76	14.77	17.93	17.64	17.78	1.07E-30	6.88E-15	2.40E-14	2.00E-14	6.99E-01	9.46E-01	9.59E-01
811.53275	243.89	21.58	20.05	20.18	20.59	6.57E-08	2.58E-07	2.23E-06	2.33E-03	9.65E-01	2.34E-01	4.71E-01
811.56914	232.44	16.61	16.09	15.53	15.10	4.52E-05	3.72E-01	4.09E-03	3.80E-05	3.06E-01	1.76E-02	5.68E-01
811.77498	46.3	12.73	12.60	12.78	12.75	8.74E-01	9.36E-01	9.96E-01	1.00E+00	8.58E-01	9.25E-01	9.99E-01
812.54124	249.58	20.68	19.31	19.28	19.97	1.43E-06	1.48E-05	8.52E-06	7.19E-02	1.00E+00	1.25E-01	1.02E-01
812.58128	237.28	17.21	16.93	16.56	16.13	4.82E-03	7.76E-01	1.32E-01	3.07E-03	6.40E-01	6.15E-02	5.15E-01
812.62991	59.95	13.41	11.30	15.54	14.65	2.93E-36	1.67E-12	7.08E-13	8.40E-05	5.11E-15	1.07E-14	9.85E-03
812.71013	47.31	13.94	15.34	14.74	14.98	3.23E-18	4.30E-14	2.34E-07	7.20E-11	2.88E-04	8.23E-02	3.65E-01
812.71937	41.39	13.33	13.61	13.14	13.69	2.21E-02	4.56E-01	7.33E-01	2.59E-01	7.25E-02	9.80E-01	3.04E-02
812.76611	45.23	12.35	14.13	13.80	14.29	3.14E-19	4.81E-14	8.00E-11	4.23E-14	3.81E-01	8.83E-01	1.01E-01
812.77844	39.77	12.56	12.66	12.46	13.11	1.70E-02	9.57E-01	9.63E-01	4.29E-02	7.70E-01	1.59E-01	1.35E-02
813.47243	214.52	15.39	16.80	16.80	15.54	1.00E-09	9.54E-07	7.55E-07	9.38E-01	1.00E+00	4.83E-05	4.15E-05
813.49034	287.58	14.85	16.09	16.43	16.77	1.11E-12	5.60E-06	3.78E-09	5.16E-12	5.42E-01	4.76E-02	5.47E-01
813.54835	275.78	19.03	18.27	18.04	18.32	2.03E-02	1.04E-01	1.50E-02	1.62E-01	9.01E-01	9.99E-01	8.46E-01
813.58491	211.94	17.09	17.07	16.86	16.45	1.01E-02	9.99E-01	6.33E-01	1.07E-02	7.39E-01	2.07E-02	2.14E-01
813.70932	48.7	11.99	12.78	12.82	13.20	3.62E-07	8.75E-04	3.25E-04	1.86E-07	9.97E-01	2.18E-01	3.06E-01
814.47521	214.4	13.49	14.93	14.62	13.33	3.32E-04	4.85E-03	4.11E-02	9.82E-01	8.89E-01	2.51E-03	2.17E-02
814.50089	195.24	10.11	11.97	13.02	13.05	4.24E-06	1.49E-02	1.91E-05	3.40E-05	3.38E-01	3.49E-01	1.00E+00
814.5608	258.31	19.97	19.48	19.47	18.65	2.19E-05	2.16E-01	1.99E-01	4.07E-06	1.00E+00	1.03E-02	1.02E-02
814.59455	197.43	15.27	14.80	14.87	14.44	1.90E-03	1.04E-01	1.88E-01	6.09E-04	9.91E-01	3.41E-01	2.02E-01
814.71635	41.4	12.24	13.30	13.10	13.47	4.59E-07	2.53E-05	7.74E-04	1.24E-06	8.31E-01	8.78E-01	3.92E-01
814.72562	47.43	13.76	15.51	15.21	15.26	1.46E-23	3.49E-14	4.29E-14	4.37E-14	2.63E-01	4.75E-01	9.88E-01
815.48653	220.53	20.12	20.75	20.94	20.19	8.40E-08	4.24E-04	1.69E-06	9.79E-01	6.38E-01	3.76E-03	3.68E-05
815.56371	248.43	18.03	16.83	17.00	16.77	5.31E-05	3.99E-04	2.96E-03	2.53E-04	9.43E-01	9.97E-01	8.72E-01
816.49036	225.65	19.03	19.65	19.83	19.06	2.82E-07	1.03E-03	6.82E-06	9.98E-01	6.75E-01	3.85E-03	4.88E-05
816.52223	269.8	13.06	13.87	13.44	14.67	1.29E-02	3.44E-01	8.58E-01	7.52E-03	8.23E-01	3.97E-01	7.49E-02
816.53299	281.53	16.55	16.50	15.93	15.91	3.83E-02	9.98E-01	1.27E-01	1.23E-01	2.07E-01	1.97E-01	1.00E+00

816.57654	255.85	23.04	22.44	22.25	21.69	1.67E-09	9.19E-03	1.90E-04	2.36E-10	7.46E-01	1.25E-03	2.78E-02
816.72045	46.46	13.27	14.30	14.04	14.32	1.05E-18	4.50E-14	7.30E-10	4.46E-14	1.34E-01	9.99E-01	1.10E-01
817.48612	223.04	14.64	14.57	15.10	14.23	1.21E-01	9.97E-01	5.31E-01	6.50E-01	4.27E-01	7.88E-01	7.58E-02
817.50319	229.42	23.59	24.18	24.47	24.07	1.65E-07	4.69E-04	3.59E-08	8.63E-03	2.13E-01	8.98E-01	4.86E-02
817.57989	256.8	22.27	21.54	21.24	20.80	1.66E-12	4.60E-04	1.83E-07	7.98E-13	3.61E-01	7.88E-04	9.70E-02
818.50657	228.27	22.51	23.11	23.41	22.97	9.97E-08	4.39E-04	2.01E-08	1.36E-02	1.80E-01	8.27E-01	2.48E-02
818.55427	205.88	17.04	16.36	16.36	16.22	1.33E-02	6.00E-02	5.59E-02	1.87E-02	1.00E+00	9.64E-01	9.64E-01
818.59016	257.78	22.33	21.16	20.98	20.79	3.53E-17	5.49E-10	6.95E-13	4.57E-14	7.35E-01	1.71E-01	7.07E-01
818.75717	47.97	12.32	14.10	14.27	14.25	8.10E-16	5.94E-11	6.97E-13	5.04E-12	9.15E-01	9.39E-01	1.00E+00
818.88325	60.47	12.64	12.67	10.58	11.44	5.39E-44	9.98E-01	5.11E-15	4.26E-14	5.11E-15	4.64E-14	1.08E-08
819.51638	253.17	23.30	24.53	25.13	24.42	3.07E-09	6.21E-05	6.72E-10	5.22E-04	1.38E-01	9.79E-01	6.21E-02
819.5953	257.8	20.73	19.88	19.83	18.96	5.78E-11	1.19E-03	3.99E-04	4.08E-12	9.95E-01	8.75E-04	1.85E-03
820.01951	20.86	10.93	12.68	12.17	12.03	6.80E-07	2.66E-07	3.93E-04	3.29E-03	3.73E-01	1.97E-01	9.74E-01
820.52022	253.99	22.06	23.52	23.98	23.45	1.47E-12	1.02E-07	1.72E-12	7.93E-07	2.69E-01	9.95E-01	1.84E-01
820.56025	214.85	16.97	16.65	16.71	17.62	1.75E-03	5.91E-01	7.33E-01	6.67E-02	9.96E-01	2.22E-03	4.39E-03
820.59869	289.08	16.63	15.06	15.50	14.60	5.36E-10	1.01E-06	6.38E-04	5.85E-10	4.55E-01	4.45E-01	1.88E-02
820.69591	53.7	15.43	15.33	15.95	16.01	7.06E-07	8.92E-01	1.47E-03	4.84E-04	1.48E-04	4.70E-05	9.76E-01
820.71632	50.96	13.66	15.33	15.71	15.49	2.86E-26	4.22E-14	1.47E-14	4.11E-14	1.71E-01	8.33E-01	6.56E-01
820.75726	40.65	13.13	13.28	12.86	13.39	7.35E-03	7.60E-01	2.88E-01	3.40E-01	3.86E-02	8.98E-01	5.69E-03
821.2912	64.78	12.31	12.98	10.15	10.85	8.93E-49	1.26E-04	5.11E-15	4.29E-14	5.11E-15	5.11E-15	1.27E-04
821.53058	266.45	22.88	24.09	24.29	23.99	1.08E-04	1.86E-03	1.53E-04	7.05E-03	9.34E-01	9.92E-01	8.20E-01
822.53466	263.92	22.55	23.28	23.36	22.87	2.01E-02	5.99E-02	2.51E-02	6.98E-01	9.91E-01	5.45E-01	3.66E-01
822.56765	229.34	20.90	18.21	18.88	18.32	2.46E-39	5.11E-15	1.75E-14	5.11E-15	2.10E-03	9.46E-01	1.74E-02
822.65333	48.46	16.60	17.36	18.45	18.07	9.31E-29	2.52E-06	5.11E-15	4.42E-14	2.71E-11	3.75E-05	6.61E-02
822.71103	50.53	12.46	12.79	12.96	13.11	1.11E-03	1.91E-01	1.21E-02	8.44E-04	7.28E-01	2.48E-01	8.22E-01
823.57001	232.36	19.77	16.37	16.66	16.37	2.51E-36	5.11E-15	5.77E-15	5.11E-15	6.88E-01	1.00E+00	7.02E-01
824.58146	244.49	19.13	17.66	17.27	17.75	6.89E-11	4.53E-07	1.13E-10	4.69E-06	4.87E-01	9.88E-01	3.16E-01
824.65115	56.11	16.14	16.54	17.69	17.21	4.33E-23	2.49E-02	2.60E-14	2.08E-11	6.21E-13	7.38E-05	7.29E-03
824.66197	48.32	13.88	12.55	13.67	14.29	6.42E-07	6.72E-05	8.93E-01	5.36E-01	1.48E-03	4.53E-07	1.94E-01
824.78609	44.69	13.03	13.65	13.34	13.74	2.23E-04	1.83E-03	2.52E-01	4.42E-04	2.85E-01	9.68E-01	1.26E-01
824.79551	40.19	11.88	12.80	12.58	12.91	3.39E-05	3.86E-04	1.00E-02	7.25E-05	7.90E-01	9.59E-01	4.96E-01
825.0567	63.65	10.92	12.57	9.53	10.24	1.39E-50	2.46E-14	4.40E-14	8.30E-05	5.11E-15	5.11E-15	5.38E-05
825.54882	253.6	19.38	19.16	18.88	18.44	7.87E-03	8.50E-01	2.56E-01	4.67E-03	7.51E-01	5.91E-02	3.96E-01
825.5851	234.58	17.96	15.72	15.45	15.93	5.39E-25	4.36E-14	2.38E-14	4.73E-14	6.54E-01	8.22E-01	1.90E-01
826.53642	276.26	17.63	13.74	13.05	13.49	3.34E-42	5.11E-15	5.11E-15	5.11E-15	9.04E-02	8.48E-01	4.57E-01
826.59825	245.71	16.00	18.83	18.49	18.40	1.16E-18	4.20E-14	2.18E-13	5.59E-12	7.01E-01	5.55E-01	9.93E-01
826.74748	46.48	14.78	18.35	18.19	18.18	1.49E-36	5.11E-15	5.11E-15	5.33E-15	9.39E-01	9.36E-01	1.00E+00
827.09256	20.61	10.77	12.29	12.49	12.00	2.17E-06	6.85E-05	4.03E-06	2.90E-03	9.41E-01	8.42E-01	5.07E-01
827.50573	288.26	13.95	14.30	15.14	14.72	6.54E-02	8.75E-01	4.80E-02	3.74E-01	2.81E-01	8.29E-01	8.12E-01
827.56349	243.19	21.50	20.96	20.76	19.92	3.21E-06	2.20E-01	3.83E-02	5.72E-07	8.88E-01	2.71E-03	2.34E-02
827.60113	236.33	14.93	18.16	17.82	17.25	8.68E-35	5.11E-15	5.33E-15	4.26E-14	4.76E-01	1.41E-03	8.95E-02
827.60994	239.11	13.87	14.51	14.11	14.68	1.28E-03	1.73E-02	6.58E-01	1.84E-03	2.80E-01	8.82E-01	6.41E-02
827.74719	46.64	12.62	12.85	12.79	13.16	1.44E-02	4.74E-01	6.91E-01	6.24E-03	9.85E-01	2.58E-01	1.28E-01
828.48261	240.76	14.89	15.44	16.22	15.27	4.64E-02	6.52E-01	2.63E-02	8.65E-01	3.78E-01	9.86E-01	2.25E-01
828.57287	252.26	21.50	21.09	21.13	20.95	1.35E-01	3.07E-01	4.03E-01	1.16E-01	9.98E-01	9.52E-01	8.91E-01

828.68129	50.27	13.45	14.48	14.07	14.36	8.11E-10	2.18E-09	5.06E-04	3.39E-07	5.44E-02	8.74E-01	3.10E-01
828.69089	43.61	11.78	12.99	12.53	13.43	4.28E-07	1.69E-04	4.02E-02	2.75E-07	3.86E-01	4.63E-01	1.46E-02
828.73265	40.8	12.21	12.53	12.15	12.99	1.87E-06	1.93E-01	9.81E-01	1.66E-05	9.52E-02	2.94E-02	4.80E-06
828.74533	46.59	13.55	14.85	14.65	14.94	2.53E-24	4.13E-14	5.02E-14	3.65E-14	4.63E-01	8.94E-01	1.44E-01
829.48728	229.45	14.67	13.72	14.11	13.43	5.85E-03	4.00E-02	3.86E-01	4.62E-03	7.05E-01	8.72E-01	2.69E-01
829.57923	248.79	19.56	19.90	19.40	19.32	2.69E-01	6.69E-01	9.50E-01	8.65E-01	3.63E-01	2.62E-01	9.94E-01
830.49767	275.51	21.26	18.52	19.93	18.61	1.68E-16	6.91E-14	2.87E-04	6.18E-13	1.75E-04	9.93E-01	7.93E-04
830.5919	249.96	21.37	20.80	20.87	20.94	3.05E-02	3.46E-02	7.56E-02	1.79E-01	9.89E-01	9.29E-01	9.90E-01
830.69551	49.8	12.66	14.19	14.19	14.06	1.95E-18	5.65E-14	5.13E-14	3.54E-12	1.00E+00	9.14E-01	9.03E-01
830.70515	42.99	12.83	13.80	13.51	13.84	9.16E-06	6.50E-05	9.12E-03	4.06E-05	5.49E-01	9.96E-01	4.33E-01
831.50173	286.49	19.94	17.80	19.34	16.95	2.27E-14	1.15E-07	3.57E-01	6.42E-13	3.07E-04	1.27E-01	1.34E-08
831.59563	251.06	20.11	19.55	19.23	19.41	8.38E-03	1.54E-01	5.90E-03	5.42E-02	6.58E-01	9.61E-01	9.23E-01
832.51237	243	20.13	19.09	19.62	19.31	8.01E-06	5.32E-06	6.55E-02	8.15E-04	5.58E-02	7.34E-01	4.71E-01
832.60269	286.96	16.04	15.78	15.45	15.90	5.63E-02	6.37E-01	3.64E-02	9.29E-01	4.59E-01	9.52E-01	2.04E-01
832.60318	230.45	18.50	17.11	16.85	17.40	3.68E-10	2.91E-07	6.90E-10	1.18E-04	7.30E-01	6.78E-01	1.45E-01
832.69768	48.75	13.43	13.86	13.70	14.04	2.77E-06	8.32E-04	7.69E-02	1.40E-06	4.74E-01	4.24E-01	1.86E-02
832.77491	36.34	12.12	14.10	12.71	13.69	2.46E-05	4.05E-05	5.05E-01	2.43E-03	9.55E-03	8.09E-01	1.30E-01
833.5184	242.4	21.16	21.64	21.70	21.33	1.10E-01	2.29E-01	1.31E-01	9.11E-01	9.94E-01	6.52E-01	4.90E-01
833.59742	199.51	13.79	13.35	13.27	13.42	2.43E-01	3.82E-01	2.30E-01	5.51E-01	9.92E-01	9.96E-01	9.58E-01
833.61062	204.6	16.67	15.15	14.90	15.51	8.56E-15	8.67E-11	9.33E-14	1.63E-06	6.80E-01	3.83E-01	3.74E-02
834.52641	242.13	24.35	21.61	21.39	22.66	3.79E-24	4.26E-14	2.93E-14	3.91E-08	8.60E-01	1.84E-03	8.01E-05
834.57218	216.31	16.00	16.13	15.98	15.74	7.18E-01	9.78E-01	1.00E+00	8.56E-01	9.68E-01	6.57E-01	8.92E-01
834.72645	43.64	10.81	12.63	12.48	12.59	2.22E-09	9.88E-08	9.77E-07	4.48E-07	9.61E-01	9.99E-01	9.87E-01
834.73622	50	12.37	13.33	13.58	13.68	1.92E-07	5.14E-04	4.35E-06	1.35E-06	7.27E-01	4.92E-01	9.76E-01
834.85632	53.18	13.06	12.85	11.18	11.73	1.23E-43	2.69E-01	5.11E-15	2.64E-14	5.11E-15	4.33E-14	8.25E-05
835.53152	248.88	23.66	21.60	21.36	22.31	2.57E-12	2.08E-09	1.61E-11	2.21E-04	8.77E-01	1.43E-01	2.17E-02
836.54108	275.42	22.85	22.09	21.74	21.90	1.05E-04	1.71E-02	1.03E-04	2.10E-03	5.34E-01	8.98E-01	9.28E-01
836.5805	233.8	16.66	16.00	15.91	15.42	3.77E-04	8.54E-02	3.52E-02	1.16E-04	9.89E-01	1.94E-01	3.25E-01
836.66176	56.2	12.27	10.60	11.79	12.19	1.83E-10	7.40E-10	2.05E-01	9.89E-01	2.52E-05	2.86E-08	4.11E-01
836.68459	46.5	13.10	12.73	13.47	13.39	1.12E-04	1.24E-01	1.19E-01	3.43E-01	1.32E-04	1.44E-03	9.65E-01
836.69594	53.15	13.97	15.10	15.62	15.50	7.54E-23	5.93E-11	3.82E-14	4.53E-14	7.07E-03	7.32E-02	8.89E-01
836.72682	47.55	11.97	13.54	13.10	13.53	4.54E-14	4.41E-12	4.69E-07	1.76E-11	1.64E-01	1.00E+00	1.94E-01
837.26008	65.2	12.81	13.24	10.53	11.32	7.06E-43	5.52E-02	5.11E-15	4.57E-14	5.11E-15	2.93E-14	6.98E-05
837.54694	270.74	21.54	20.81	20.86	20.97	3.43E-02	4.47E-02	6.89E-02	1.92E-01	9.98E-01	9.46E-01	9.82E-01
837.58547	290.16	14.06	14.82	14.21	13.03	1.56E-04	1.72E-01	9.75E-01	3.42E-02	3.77E-01	4.15E-05	1.26E-02
837.58641	214.72	16.32	16.00	16.22	15.51	2.01E-02	6.28E-01	9.81E-01	1.58E-02	8.54E-01	2.84E-01	5.11E-02
838.55833	249.88	21.41	20.24	20.51	20.39	7.63E-04	1.01E-03	1.87E-02	7.49E-03	8.15E-01	9.67E-01	9.80E-01
838.59665	230.79	17.36	17.43	17.56	16.74	1.10E-02	9.92E-01	8.49E-01	6.84E-02	9.57E-01	4.06E-02	8.90E-03
838.62693	49.84	15.01	14.70	17.10	16.68	2.94E-21	6.03E-01	9.84E-14	5.41E-09	4.25E-14	1.67E-11	3.78E-01
839.48657	218.65	20.31	20.96	21.31	20.62	4.95E-08	6.28E-04	2.47E-08	2.63E-01	1.61E-01	2.08E-01	4.86E-04
839.56325	253.45	20.55	19.43	19.56	19.21	3.18E-05	7.92E-04	3.61E-03	5.42E-05	9.71E-01	8.81E-01	6.41E-01
839.60002	214.63	16.53	16.03	16.02	15.34	1.86E-04	1.99E-01	1.73E-01	3.89E-05	1.00E+00	4.66E-02	5.01E-02
840.49007	218.93	19.32	19.95	20.30	19.55	6.60E-07	2.81E-03	5.64E-07	5.75E-01	2.31E-01	1.56E-01	5.58E-04
840.52384	284.27	12.76	14.33	14.02	13.75	1.20E-03	9.24E-04	1.10E-02	9.04E-02	8.84E-01	5.29E-01	9.15E-01
840.53297	293.15	14.35	15.37	15.07	14.78	3.42E-03	1.93E-03	4.84E-02	4.38E-01	7.26E-01	1.95E-01	7.55E-01

840.57585	256.84	22.59	22.19	21.92	21.28	8.58E-07	2.69E-01	1.48E-02	1.93E-07	6.55E-01	8.64E-04	3.15E-02
840.60887	197.79	13.89	13.37	13.43	13.14	8.71E-02	2.88E-01	3.84E-01	6.28E-02	9.97E-01	8.77E-01	7.82E-01
840.62403	58.04	12.73	12.59	15.36	14.13	4.74E-08	9.92E-01	1.04E-06	2.97E-02	5.78E-07	1.72E-02	8.33E-02
840.75284	40.89	12.13	12.35	12.13	12.53	8.47E-02	5.75E-01	1.00E+00	1.18E-01	5.85E-01	7.75E-01	1.27E-01
840.76262	46.48	13.52	14.04	13.74	14.22	4.01E-05	3.33E-03	4.41E-01	4.78E-05	2.07E-01	6.62E-01	1.30E-02
841.48619	223.58	14.57	14.96	16.10	14.20	6.37E-08	5.90E-01	6.58E-06	6.37E-01	1.97E-03	9.11E-02	7.80E-08
841.50096	225.2	22.10	22.78	22.96	22.36	7.78E-07	2.33E-04	1.72E-06	4.18E-01	7.31E-01	6.60E-02	3.06E-03
841.57936	258.16	21.60	21.44	21.01	20.64	6.73E-06	8.34E-01	1.11E-02	9.61E-06	1.26E-01	5.06E-04	2.38E-01
842.50745	221.46	21.09	21.79	21.95	21.35	6.95E-07	1.90E-04	1.72E-06	4.16E-01	7.60E-01	5.89E-02	3.10E-03
842.55433	201.68	16.34	16.86	16.40	16.08	4.87E-02	2.01E-01	9.95E-01	7.83E-01	3.23E-01	2.95E-02	6.62E-01
842.58885	259.72	20.81	20.73	20.43	19.65	2.66E-05	9.86E-01	4.02E-01	3.00E-05	6.37E-01	2.03E-04	1.14E-02
842.72087	47.95	15.20	17.82	17.75	17.63	8.73E-41	5.11E-15	5.11E-15	5.11E-15	9.77E-01	7.46E-01	9.26E-01
843.52689	233.86	21.87	22.04	22.01	21.62	2.15E-02	6.00E-01	7.31E-01	3.09E-01	9.96E-01	2.36E-02	3.96E-02
843.5947	252.81	18.42	18.12	17.57	17.46	1.72E-02	8.13E-01	5.58E-02	2.97E-02	3.78E-01	2.45E-01	9.89E-01
843.71823	47.99	11.00	12.36	12.39	12.35	2.48E-09	3.78E-07	1.54E-07	8.63E-07	9.99E-01	1.00E+00	9.99E-01
844.52894	228.97	20.83	20.87	20.72	20.42	1.32E-02	9.92E-01	8.49E-01	2.43E-02	7.14E-01	1.41E-02	1.80E-01
844.5683	201.24	15.37	15.74	15.76	15.42	1.65E-01	3.36E-01	2.64E-01	9.96E-01	9.99E-01	5.14E-01	4.31E-01
844.60686	255.65	20.19	19.69	19.45	18.98	9.39E-05	1.98E-01	1.80E-02	2.95E-05	7.89E-01	3.98E-02	2.80E-01
844.65798	55.11	14.19	14.34	14.76	14.80	5.59E-04	8.03E-01	4.40E-03	3.01E-03	7.68E-02	5.38E-02	9.96E-01
844.66626	47.66	12.35	11.83	12.65	12.71	2.28E-03	1.43E-01	5.87E-01	4.65E-01	5.63E-03	3.74E-03	9.96E-01
844.70593	41.72	10.89	12.43	12.14	12.66	3.18E-14	1.18E-10	1.34E-07	7.49E-13	5.65E-01	7.52E-01	1.08E-01
844.71896	48.14	13.72	15.08	14.95	15.08	4.87E-32	6.00E-15	2.22E-14	7.33E-15	6.54E-01	1.00E+00	6.24E-01
845.53068	232.49	20.22	20.50	20.34	19.52	7.14E-06	4.33E-01	9.18E-01	1.51E-03	8.27E-01	5.84E-06	1.89E-04
845.56665	287.79	12.47	12.71	12.84	11.98	4.53E-01	9.72E-01	8.99E-01	8.07E-01	9.95E-01	5.73E-01	4.17E-01
845.5718	197.3	13.99	13.91	13.98	13.13	7.72E-03	9.91E-01	1.00E+00	1.18E-02	9.96E-01	3.44E-02	1.72E-02
845.61048	248.85	18.56	17.32	17.11	16.91	8.63E-07	5.54E-04	2.89E-05	3.46E-06	9.14E-01	6.01E-01	9.28E-01
846.54201	234.96	18.91	18.87	18.79	17.99	1.59E-05	9.95E-01	9.10E-01	3.37E-05	9.76E-01	1.50E-04	6.50E-04
846.56383	229.72	11.47	15.06	16.01	14.89	4.20E-23	5.03E-14	2.64E-14	3.57E-13	1.15E-01	9.80E-01	5.07E-02
846.57985	221.07	16.24	17.10	17.81	17.33	6.58E-11	3.92E-04	1.34E-11	7.86E-06	7.43E-03	7.57E-01	1.36E-01
846.61776	291.16	15.92	14.89	14.65	14.85	3.16E-04	7.12E-03	4.18E-04	6.32E-03	8.82E-01	9.99E-01	9.31E-01
846.67289	53.92	13.28	15.27	15.45	15.22	2.55E-18	2.47E-13	4.46E-14	3.05E-12	8.94E-01	9.96E-01	7.98E-01
846.68265	46.55	10.58	12.98	13.13	12.40	2.53E-09	1.70E-07	1.89E-08	1.74E-04	9.85E-01	5.57E-01	3.45E-01
847.54973	250.37	18.92	18.74	18.77	17.73	2.60E-06	8.44E-01	8.99E-01	3.32E-06	9.99E-01	1.95E-04	9.81E-05
847.56798	225.44	13.66	14.08	15.64	14.83	6.25E-13	3.36E-01	8.60E-13	6.79E-05	4.38E-08	3.05E-02	1.26E-02
847.5879	206.02	14.59	16.17	15.89	15.98	4.96E-10	4.37E-09	1.34E-06	5.57E-07	6.75E-01	8.83E-01	9.85E-01
848.47785	193.15	13.14	12.23	12.09	12.36	1.47E-04	1.84E-03	1.97E-04	1.34E-02	9.52E-01	9.61E-01	7.43E-01
848.49429	191.82	11.76	12.36	12.06	11.92	3.15E-01	2.51E-01	7.89E-01	9.63E-01	7.97E-01	5.70E-01	9.77E-01
848.54555	269.81	17.01	16.51	16.78	16.79	1.49E-01	9.01E-02	6.90E-01	7.42E-01	6.05E-01	6.00E-01	1.00E+00
848.59013	214.97	17.77	16.17	15.86	15.54	5.28E-20	6.21E-11	5.13E-14	4.11E-14	5.25E-01	4.32E-02	5.40E-01
848.67168	53.52	12.13	13.53	13.75	13.76	4.12E-16	3.10E-10	2.99E-13	1.05E-12	7.06E-01	6.92E-01	1.00E+00
848.73643	44.24	10.96	12.39	12.00	12.55	1.76E-08	9.90E-07	5.41E-04	9.87E-08	4.78E-01	9.39E-01	1.97E-01
848.75299	38.17	12.38	13.57	13.13	13.54	3.53E-07	1.91E-06	4.85E-03	5.95E-06	2.34E-01	1.00E+00	3.04E-01
849.48364	194.54	12.84	11.44	12.37	12.12	9.77E-05	2.66E-05	3.84E-01	9.01E-02	1.31E-02	1.34E-01	8.57E-01
849.54408	206.98	16.78	15.25	15.71	15.64	7.78E-07	4.89E-07	7.06E-04	4.53E-04	3.57E-01	5.35E-01	9.95E-01
849.57406	244.76	14.68	15.01	14.92	14.47	6.38E-01	8.69E-01	9.42E-01	9.67E-01	9.97E-01	6.40E-01	7.54E-01

849.58642	235.85	14.84	14.47	14.84	14.40	2.14E-01	4.98E-01	1.00E+00	3.55E-01	5.12E-01	9.93E-01	3.70E-01
850.55991	241.41	21.79	21.11	21.20	19.94	7.58E-09	5.59E-02	1.23E-01	9.92E-10	9.86E-01	3.23E-04	6.93E-05
850.59836	236.26	15.61	17.26	17.22	17.36	2.20E-11	1.25E-08	2.53E-08	4.45E-09	9.98E-01	9.87E-01	9.54E-01
850.60786	228.52	13.97	14.15	13.88	14.33	5.75E-01	9.49E-01	9.92E-01	7.14E-01	8.51E-01	9.54E-01	5.57E-01
850.71095	53.27	11.77	12.44	12.61	12.84	2.75E-04	3.83E-02	4.20E-03	2.38E-04	9.05E-01	4.25E-01	8.19E-01
850.71423	53.31	11.89	12.59	12.54	12.56	2.20E-02	4.17E-02	6.52E-02	6.35E-02	9.97E-01	1.00E+00	1.00E+00
850.83459	62.01	11.81	12.50	9.98	10.62	2.20E-51	1.21E-06	5.11E-15	4.33E-14	5.11E-15	5.11E-15	2.50E-05
851.56367	251.8	20.94	21.06	21.53	20.33	5.08E-03	9.83E-01	2.36E-01	2.26E-01	4.56E-01	1.24E-01	1.77E-03
852.48209	220.95	12.25	13.35	13.92	13.72	3.06E-02	2.61E-01	2.90E-02	8.54E-02	7.97E-01	9.40E-01	9.89E-01
852.53889	278.96	15.06	15.55	15.65	14.79	8.28E-02	5.28E-01	3.59E-01	8.90E-01	9.94E-01	1.98E-01	1.12E-01
852.56311	256.6	22.27	20.59	20.63	20.37	4.23E-28	3.95E-14	4.05E-14	1.27E-14	9.95E-01	5.42E-01	3.88E-01
852.61089	253.58	15.14	16.01	15.72	14.53	2.17E-08	1.21E-03	6.08E-02	5.45E-02	5.94E-01	3.55E-08	1.17E-05
853.49139	218.89	13.35	13.50	14.22	14.09	4.14E-02	9.71E-01	6.67E-02	1.74E-01	2.02E-01	3.95E-01	9.87E-01
853.5486	279.61	17.84	15.72	16.17	15.53	6.26E-19	5.08E-14	4.02E-10	4.11E-14	2.73E-01	8.76E-01	5.98E-02
853.57168	255.03	21.14	19.62	19.90	19.22	4.93E-20	1.49E-13	6.50E-10	4.14E-14	4.56E-01	1.86E-01	3.52E-03
853.61547	237.35	12.16	12.25	13.64	10.95	1.98E-03	9.99E-01	9.98E-02	2.76E-01	1.57E-01	2.36E-01	6.04E-04
854.49814	252.51	20.49	20.37	19.52	19.05	3.96E-06	9.75E-01	5.77E-03	2.25E-05	2.73E-02	2.12E-04	4.34E-01
854.55992	281.68	17.15	12.66	12.67	12.69	6.70E-35	5.33E-15	5.11E-15	6.00E-15	1.00E+00	1.00E+00	1.00E+00
854.59156	248.27	21.69	21.06	21.13	20.69	8.89E-05	1.33E-02	3.46E-02	2.89E-05	9.85E-01	3.48E-01	1.86E-01
855.50234	242.68	20.56	21.13	20.68	19.71	1.04E-09	1.79E-02	9.29E-01	1.28E-04	9.92E-02	1.58E-10	1.49E-05
855.59522	252.08	20.18	20.17	19.90	19.29	1.78E-03	1.00E+00	6.56E-01	2.33E-03	7.12E-01	3.96E-03	7.56E-02
855.66003	202.03	16.79	14.88	14.77	16.19	1.27E-10	8.05E-08	8.36E-09	2.80E-01	9.84E-01	8.81E-04	1.98E-04
856.50722	234.43	19.49	19.90	20.08	18.83	1.28E-09	1.08E-01	5.70E-03	2.96E-03	7.48E-01	4.36E-07	1.84E-09
856.6026	236.43	17.76	16.62	16.55	16.98	2.68E-05	2.19E-04	5.81E-05	2.66E-02	9.93E-01	6.00E-01	4.29E-01
856.66373	199.51	15.17	12.97	12.94	14.34	1.54E-13	1.03E-10	4.37E-11	4.96E-02	1.00E+00	2.19E-04	1.40E-04
856.73344	47.7	13.19	13.95	13.74	14.00	2.76E-06	3.24E-05	4.25E-03	1.20E-05	5.93E-01	9.87E-01	4.05E-01
857.51757	249.57	22.94	24.21	23.91	24.02	2.51E-11	1.34E-10	7.62E-07	1.02E-07	3.74E-01	7.55E-01	9.40E-01
857.61161	203.83	16.29	15.56	15.65	15.65	7.17E-02	9.13E-02	1.62E-01	1.82E-01	9.93E-01	9.94E-01	1.00E+00
858.52294	247.93	22.04	23.00	22.80	22.94	2.79E-08	2.03E-07	5.03E-05	2.57E-06	6.38E-01	9.84E-01	8.57E-01
858.68976	49.93	15.02	17.98	18.14	17.80	1.67E-27	3.35E-14	1.64E-14	4.29E-14	9.40E-01	9.27E-01	6.40E-01
859.52776	255.03	22.25	21.50	21.63	21.44	4.00E-05	3.19E-04	3.98E-03	1.58E-04	8.97E-01	9.93E-01	7.74E-01
860.49822	200.08	11.88	14.12	14.73	13.21	6.99E-11	4.14E-07	7.32E-11	7.83E-03	4.53E-01	1.40E-01	2.11E-03
860.53023	245.82	20.87	19.09	19.83	19.37	1.04E-10	1.94E-10	2.72E-04	1.69E-07	2.69E-02	7.36E-01	3.18E-01
860.62875	58.39	13.37	13.17	14.69	13.79	6.18E-10	8.08E-01	8.13E-08	2.68E-01	1.78E-09	4.66E-02	1.05E-03
860.67795	52.06	9.36	12.18	12.12	12.12	1.86E-15	4.13E-12	6.77E-12	3.46E-11	9.99E-01	9.99E-01	1.00E+00
860.68123	43.76	10.21	12.40	12.55	12.48	5.97E-13	2.46E-09	1.20E-10	1.62E-09	9.69E-01	9.95E-01	9.97E-01
860.69624	49.71	13.35	16.41	16.54	16.16	8.78E-18	1.40E-13	5.11E-14	1.95E-11	9.88E-01	9.21E-01	7.72E-01
861.54695	284.63	22.63	20.07	21.12	20.49	3.82E-14	1.43E-13	1.05E-05	9.90E-10	6.20E-03	5.79E-01	2.19E-01
862.55589	290.16	21.03	19.28	19.95	19.23	2.11E-07	2.35E-06	7.26E-03	2.04E-06	2.02E-01	9.99E-01	1.62E-01
863.55737	291.57	19.05	16.05	17.19	16.58	1.44E-14	7.73E-14	2.13E-06	7.68E-10	1.05E-02	5.04E-01	3.52E-01
864.53316	185.26	13.03	14.32	15.58	13.73	4.53E-30	3.73E-10	5.11E-15	2.15E-03	1.56E-09	1.54E-02	4.11E-14
864.57604	256.8	21.30	20.98	21.02	20.45	1.37E-02	5.88E-01	6.69E-01	5.83E-03	9.99E-01	1.80E-01	1.32E-01
864.61172	198.89	12.93	13.60	12.89	12.10	1.84E-03	2.40E-01	9.99E-01	1.08E-01	2.05E-01	5.17E-04	1.54E-01
864.71425	39.93	11.85	13.01	12.69	13.07	1.36E-10	8.25E-09	4.30E-05	3.94E-09	3.06E-01	9.92E-01	1.96E-01
864.72448	45.25	13.40	14.39	13.72	14.22	4.11E-12	4.03E-11	8.41E-02	9.71E-08	1.72E-05	6.45E-01	3.12E-03

865.48877	227.97	18.07	17.81	18.71	18.18	7.16E-04	6.18E-01	1.49E-02	9.56E-01	3.09E-04	3.53E-01	8.88E-02
865.50221	223.72	23.05	23.55	24.12	23.80	8.20E-08	2.72E-02	2.41E-08	2.85E-04	8.68E-03	5.24E-01	3.04E-01
865.57938	258.32	20.15	20.39	20.39	19.69	4.31E-02	7.97E-01	7.91E-01	3.18E-01	1.00E+00	5.72E-02	5.38E-02
866.49152	228.81	15.99	16.95	17.52	16.01	3.09E-08	3.71E-03	4.47E-07	1.00E+00	1.83E-01	8.28E-03	2.59E-06
866.50563	223.69	22.12	22.59	23.14	22.84	1.20E-07	3.05E-02	3.62E-08	3.34E-04	9.70E-03	5.25E-01	3.22E-01
866.5557	196.61	14.85	15.27	15.93	14.77	6.70E-05	3.73E-01	2.64E-04	9.90E-01	6.94E-02	2.65E-01	1.93E-04
866.58983	259.32	20.30	20.46	20.28	19.38	1.10E-04	9.02E-01	1.00E+00	1.21E-03	8.73E-01	1.41E-04	2.11E-03
867.49871	228.4	15.97	14.63	16.26	16.26	5.56E-06	5.97E-04	8.22E-01	8.41E-01	2.52E-05	5.16E-05	1.00E+00
867.52415	237.96	22.28	22.69	22.90	22.45	1.87E-04	2.36E-02	1.36E-04	6.78E-01	5.06E-01	3.66E-01	1.60E-02
867.59489	250.34	18.22	18.58	18.36	17.19	1.06E-05	5.53E-01	9.57E-01	1.18E-03	8.56E-01	1.00E-05	2.41E-04
868.52568	229.03	21.07	21.58	21.70	21.11	2.13E-05	4.89E-03	2.18E-04	9.95E-01	8.62E-01	1.76E-02	1.27E-03
868.57084	194.2	14.34	15.12	15.30	14.37	5.28E-04	2.65E-02	3.14E-03	1.00E+00	9.22E-01	5.24E-02	8.30E-03
868.607	257.07	20.69	20.24	20.04	19.21	1.66E-08	1.72E-01	1.75E-02	2.44E-09	8.22E-01	9.01E-05	2.10E-03
869.53677	240.45	21.87	21.42	21.42	21.22	3.04E-06	1.40E-03	1.02E-03	1.95E-06	1.00E+00	3.85E-01	4.04E-01
869.61072	256.28	18.71	18.41	18.11	16.80	1.12E-07	7.75E-01	2.14E-01	6.56E-08	7.79E-01	1.24E-05	5.20E-04
870.51743	232.73	11.14	12.00	11.95	12.09	5.78E-02	1.26E-01	1.58E-01	8.23E-02	9.99E-01	9.95E-01	9.84E-01
870.54208	237.14	20.85	20.23	20.06	19.97	7.59E-11	1.55E-05	1.73E-08	9.30E-10	5.75E-01	2.06E-01	8.86E-01
870.56896	274.1	16.85	16.54	15.05	16.18	1.14E-09	6.58E-01	8.06E-10	7.77E-02	9.37E-07	5.92E-01	4.62E-04
870.58565	209.76	15.77	16.30	16.11	15.19	6.97E-04	1.86E-01	5.45E-01	1.51E-01	9.03E-01	5.63E-04	5.47E-03
870.61939	292.92	16.56	15.04	14.75	15.06	6.39E-17	2.11E-11	4.34E-14	1.05E-10	5.08E-01	1.00E+00	4.79E-01
870.63149	213.41	14.12	12.40	12.27	12.91	5.78E-04	2.66E-03	8.75E-04	7.61E-02	9.93E-01	7.45E-01	5.80E-01
871.54707	240.65	20.20	18.62	18.09	19.42	1.58E-22	1.87E-13	2.84E-14	7.57E-04	4.29E-02	5.78E-04	2.05E-09
871.58883	197.75	13.80	15.06	15.08	14.64	1.10E-04	4.36E-04	3.06E-04	4.79E-02	1.00E+00	5.70E-01	5.32E-01
872.48701	194.72	13.44	14.34	14.21	14.11	2.06E-04	2.78E-04	2.29E-03	1.52E-02	9.38E-01	7.49E-01	9.71E-01
872.545	266.26	18.03	16.39	15.67	17.48	2.18E-16	2.56E-08	4.29E-14	1.90E-01	4.64E-02	8.81E-04	4.50E-09
872.7068	50.03	12.18	12.93	13.03	12.85	6.95E-02	1.48E-01	7.52E-02	2.52E-01	9.93E-01	9.97E-01	9.63E-01
872.73098	47.42	11.85	13.08	13.02	12.97	2.30E-06	2.24E-05	4.68E-05	2.08E-04	9.97E-01	9.80E-01	9.97E-01
873.56799	202.45	15.45	13.65	13.37	13.83	4.54E-17	4.04E-12	4.37E-14	9.19E-10	6.27E-01	8.96E-01	2.39E-01
874.51566	209.95	12.91	12.54	12.81	12.07	4.74E-02	6.20E-01	9.86E-01	3.98E-02	8.30E-01	4.67E-01	1.02E-01
874.55935	226.1	16.50	16.79	16.94	16.45	4.90E-01	8.48E-01	6.09E-01	9.99E-01	9.79E-01	7.90E-01	5.51E-01
874.57173	210.21	15.24	16.03	16.22	15.39	7.52E-03	7.48E-02	1.42E-02	9.67E-01	9.41E-01	2.53E-01	7.65E-02
874.66491	45.66	13.60	14.91	15.36	15.14	1.50E-19	7.17E-11	4.44E-14	1.34E-13	7.00E-02	6.03E-01	6.61E-01
874.67878	50.95	12.93	13.56	14.15	14.26	1.59E-09	1.67E-02	1.11E-07	2.41E-08	3.27E-02	1.04E-02	9.63E-01
875.5635	206.47	15.82	15.70	16.23	15.35	8.24E-02	9.80E-01	5.88E-01	4.81E-01	3.76E-01	7.37E-01	4.87E-02
876.57574	230.45	17.03	17.33	17.57	16.73	6.22E-02	7.72E-01	3.06E-01	7.71E-01	8.78E-01	2.54E-01	4.97E-02
876.60522	51.49	12.03	10.50	12.29	12.53	5.29E-19	1.04E-11	5.71E-01	8.53E-02	5.37E-14	4.39E-14	6.85E-01
876.66797	53.01	13.17	13.65	14.11	14.13	6.11E-10	9.79E-03	1.70E-08	2.83E-08	2.00E-02	1.88E-02	9.99E-01
876.67489	46.47	12.46	12.58	12.49	12.78	3.23E-01	9.08E-01	9.98E-01	3.01E-01	9.61E-01	7.12E-01	4.07E-01
877.45941	251.97	11.76	12.40	12.79	11.91	8.80E-05	3.75E-02	1.17E-04	9.30E-01	3.87E-01	2.03E-01	2.79E-03
877.57844	209.08	16.48	16.29	16.47	15.80	2.04E-02	8.60E-01	1.00E+00	2.41E-02	8.78E-01	1.80E-01	3.02E-02
877.59171	198.96	14.79	15.02	14.95	14.75	7.08E-01	8.07E-01	9.17E-01	9.99E-01	9.94E-01	7.53E-01	8.74E-01
878.59134	240.35	18.86	18.04	17.77	17.24	5.92E-08	8.42E-03	1.50E-04	1.79E-08	7.29E-01	1.68E-02	1.93E-01
878.75481	39.28	11.92	12.85	12.58	13.00	2.66E-05	3.97E-04	2.12E-02	4.27E-05	6.52E-01	9.24E-01	2.95E-01
879.50255	221.64	16.82	17.79	17.86	17.16	1.08E-09	3.62E-07	2.81E-08	2.29E-01	9.74E-01	3.54E-03	7.04E-04
879.5948	235.84	16.93	16.05	15.88	15.84	1.64E-05	2.09E-03	1.15E-04	1.05E-04	9.00E-01	8.36E-01	9.98E-01

880.49515	220.49	12.46	11.81	11.77	11.78	8.97E-03	3.46E-02	2.14E-02	2.98E-02	9.99E-01	9.99E-01	1.00E+00
880.50855	229.91	16.02	16.80	16.99	16.91	6.30E-06	1.03E-03	1.69E-05	1.97E-04	7.88E-01	9.57E-01	9.79E-01
880.60578	214.06	17.35	16.80	16.79	16.44	1.42E-04	2.51E-02	2.04E-02	4.89E-05	1.00E+00	3.02E-01	3.17E-01
880.69835	46.88	13.02	14.21	13.59	14.19	2.47E-20	4.17E-14	3.78E-05	4.40E-14	1.68E-05	9.99E-01	4.87E-05
880.7053	40.91	12.79	12.91	12.62	13.17	7.61E-03	8.65E-01	6.90E-01	6.99E-02	2.62E-01	3.51E-01	3.72E-03
881.51883	244.71	22.29	23.51	23.38	23.74	1.98E-16	1.14E-11	7.55E-10	4.88E-14	8.72E-01	5.49E-01	1.64E-01
881.60735	200.69	14.61	15.15	14.63	12.76	3.23E-10	3.49E-01	1.00E+00	6.89E-07	4.10E-01	3.23E-10	8.02E-07
882.52289	244.91	21.61	22.57	22.46	22.68	1.00E-09	2.17E-07	4.36E-06	1.62E-08	9.17E-01	9.25E-01	5.92E-01
883.53228	250.55	21.64	24.05	23.87	23.91	4.23E-15	1.95E-12	4.44E-11	8.97E-11	9.40E-01	9.74E-01	9.99E-01
884.53677	251.37	22.04	22.98	22.79	22.90	2.08E-06	7.72E-06	4.61E-04	7.97E-05	7.64E-01	9.80E-01	9.44E-01
885.54493	276.16	27.90	27.70	25.03	26.97	2.90E-14	9.43E-01	2.83E-13	5.95E-02	2.99E-11	2.23E-01	2.82E-06
886.55003	272.86	26.83	26.45	25.23	25.89	1.18E-07	5.11E-01	7.48E-08	5.16E-03	1.04E-04	2.10E-01	9.83E-02
887.55463	282.57	25.07	24.53	23.10	24.06	1.25E-14	8.66E-02	4.52E-14	1.26E-04	1.82E-08	1.98E-01	4.39E-04
888.56066	272.59	22.68	21.84	21.00	21.47	1.43E-11	1.16E-03	4.22E-12	1.72E-06	1.50E-03	3.99E-01	1.79E-01
888.69339	49.68	11.16	11.52	11.97	11.76	3.43E-02	5.95E-01	2.32E-02	1.73E-01	4.04E-01	8.51E-01	8.94E-01
888.70394	42.4	12.15	12.80	12.72	12.67	4.57E-04	7.49E-04	3.84E-03	1.41E-02	9.64E-01	8.82E-01	9.92E-01
889.56328	275.93	19.68	19.10	19.09	18.47	2.78E-04	1.27E-01	1.03E-01	6.20E-05	1.00E+00	1.00E-01	1.12E-01
890.58451	228.11	14.42	13.96	13.88	13.61	4.11E-02	3.42E-01	2.09E-01	2.52E-02	9.94E-01	6.40E-01	7.85E-01
890.59159	288.58	15.73	15.44	15.27	14.74	1.15E-02	7.54E-01	3.75E-01	5.31E-03	9.35E-01	9.83E-02	2.97E-01
890.59519	218.43	14.70	14.42	14.42	14.48	7.26E-01	7.65E-01	7.57E-01	8.69E-01	1.00E+00	9.98E-01	9.98E-01
890.63807	47.95	14.06	15.73	16.60	15.99	1.83E-27	1.26E-13	5.33E-15	4.16E-14	2.06E-04	6.07E-01	2.28E-02
890.64864	54.95	10.85	12.96	14.19	13.76	6.26E-18	1.01E-07	4.25E-14	8.58E-13	5.04E-03	1.48E-01	6.69E-01
891.59827	222.07	14.30	14.26	14.11	13.27	5.60E-02	9.99E-01	9.60E-01	5.89E-02	9.84E-01	9.19E-02	1.89E-01
892.59252	224.79	13.28	13.37	13.42	12.40	3.35E-04	9.80E-01	9.40E-01	3.91E-03	9.98E-01	1.47E-03	6.94E-04
892.60618	292.33	16.82	16.06	15.79	15.31	6.29E-06	3.71E-02	1.50E-03	2.40E-06	7.77E-01	5.93E-02	3.72E-01
892.64056	55.38	12.46	13.17	14.28	14.48	2.56E-06	3.15E-01	7.12E-05	1.80E-05	4.15E-02	1.45E-02	9.67E-01
893.60795	221.2	14.39	14.22	14.21	13.56	8.50E-02	9.51E-01	9.45E-01	6.43E-02	1.00E+00	2.25E-01	2.25E-01
893.61135	290.68	15.78	15.10	14.97	14.63	1.17E-06	5.20E-03	3.96E-04	5.58E-07	9.13E-01	1.28E-01	3.95E-01
893.6205	217.2	14.17	13.83	13.41	12.83	1.23E-04	6.41E-01	4.31E-02	6.35E-05	4.93E-01	6.93E-03	2.25E-01
894.5489	196.29	17.25	16.35	16.34	16.21	9.25E-08	1.86E-05	1.19E-05	9.33E-07	1.00E+00	8.82E-01	9.00E-01
894.57844	197.56	13.74	13.79	14.01	13.35	2.71E-02	9.96E-01	5.40E-01	2.60E-01	7.08E-01	1.89E-01	1.29E-02
894.58729	200.89	14.52	15.29	15.32	14.57	1.57E-06	2.30E-04	1.19E-04	9.92E-01	9.99E-01	1.54E-03	8.96E-04
894.59638	198.13	13.05	13.19	12.61	12.69	3.91E-02	9.26E-01	2.05E-01	4.07E-01	6.04E-02	1.56E-01	9.87E-01
894.62467	216.14	14.95	13.95	13.79	14.33	4.80E-08	5.17E-06	9.02E-08	1.33E-02	8.78E-01	2.64E-01	5.25E-02
894.73286	45.84	12.91	14.15	13.79	14.13	3.48E-15	4.67E-13	1.53E-07	2.63E-12	1.18E-01	1.00E+00	1.60E-01
894.74343	40.47	11.96	12.91	12.55	13.04	1.30E-08	9.85E-07	4.46E-03	5.90E-08	1.90E-01	9.08E-01	4.48E-02
895.53801	191.68	11.95	11.52	11.62	11.52	5.26E-01	5.63E-01	7.43E-01	5.97E-01	9.91E-01	1.00E+00	9.93E-01
895.55951	195.61	13.58	13.06	12.90	12.80	1.05E-01	4.09E-01	1.81E-01	1.11E-01	9.70E-01	8.86E-01	9.91E-01
895.56726	278.74	16.50	16.34	16.02	15.68	1.66E-03	8.87E-01	1.18E-01	1.34E-03	4.67E-01	1.84E-02	4.06E-01
895.58473	197.82	12.78	13.49	13.20	13.03	4.32E-01	3.61E-01	7.65E-01	9.45E-01	9.12E-01	7.43E-01	9.82E-01
896.55181	191.24	12.53	12.41	12.49	12.61	8.98E-01	9.62E-01	9.98E-01	9.90E-01	9.91E-01	8.74E-01	9.65E-01
896.56592	194.63	13.50	14.08	13.50	13.22	2.96E-01	5.49E-01	1.00E+00	9.18E-01	5.64E-01	2.40E-01	9.24E-01
896.59273	195.89	10.77	12.38	12.84	12.03	3.46E-11	2.82E-07	2.48E-11	1.47E-04	3.93E-01	6.42E-01	3.47E-02
896.6684	43.12	12.49	12.98	12.88	12.95	5.69E-04	1.20E-03	1.38E-02	3.71E-03	8.82E-01	9.96E-01	9.58E-01
896.67918	48.08	12.09	13.05	12.71	13.04	2.49E-06	1.12E-05	9.27E-03	2.58E-05	3.17E-01	1.00E+00	3.72E-01

897.55428	262.04	15.75	16.22	15.49	16.07	2.42E-01	6.02E-01	8.96E-01	8.41E-01	2.32E-01	9.83E-01	4.52E-01
898.54882	209.08	11.13	12.63	13.10	12.09	3.39E-03	3.36E-02	2.12E-03	3.27E-01	8.43E-01	7.82E-01	2.99E-01
898.55766	215.43	15.08	15.10	14.98	14.84	8.06E-01	1.00E+00	9.83E-01	8.31E-01	9.76E-01	8.14E-01	9.63E-01
898.57692	194.85	14.64	13.80	12.45	14.05	3.78E-04	3.54E-01	1.36E-04	6.71E-01	5.09E-02	9.67E-01	1.66E-02
899.52918	218.23	8.34	13.09	12.88	10.76	3.41E-16	9.79E-14	3.89E-13	3.03E-04	9.83E-01	7.84E-04	2.55E-03
899.56334	295.47	14.98	11.31	13.40	11.78	1.60E-07	4.02E-07	7.64E-02	2.26E-05	1.07E-02	9.02E-01	8.81E-02
899.57105	208.25	12.91	12.54	13.37	12.52	4.32E-01	9.18E-01	8.41E-01	9.09E-01	4.80E-01	1.00E+00	4.76E-01
900.53655	216.1	12.90	14.32	13.61	14.43	3.46E-08	1.36E-06	3.62E-02	3.37E-07	4.79E-02	9.77E-01	1.84E-02
901.54442	224.03	13.65	14.87	15.03	13.63	3.26E-03	5.37E-02	2.06E-02	1.00E+00	9.89E-01	6.63E-02	2.78E-02
902.55008	226.23	13.35	14.56	14.29	13.17	1.69E-02	7.50E-02	2.27E-01	9.84E-01	9.53E-01	4.27E-02	1.38E-01
903.50331	216.62	12.79	12.29	12.12	11.97	7.28E-03	1.74E-01	2.95E-02	7.04E-03	8.98E-01	6.09E-01	9.44E-01
903.51053	221.76	12.47	12.13	12.31	12.17	6.57E-01	6.53E-01	9.43E-01	7.52E-01	9.35E-01	9.99E-01	9.71E-01
904.67783	51.96	11.73	12.43	12.33	12.64	6.53E-04	1.01E-02	3.49E-02	5.22E-04	9.72E-01	8.05E-01	5.43E-01
905.50671	227.42	13.89	12.80	12.99	12.86	1.70E-09	2.77E-08	4.51E-06	3.35E-07	7.28E-01	9.89E-01	8.99E-01
905.52564	224.45	15.94	16.08	16.15	15.72	6.11E-02	8.12E-01	5.31E-01	5.46E-01	9.71E-01	1.46E-01	5.08E-02
906.5104	228.6	12.35	12.10	11.71	11.96	4.00E-02	6.90E-01	2.24E-02	3.21E-01	3.16E-01	9.26E-01	7.19E-01
906.52133	224.15	14.60	13.69	13.76	13.40	1.97E-11	2.50E-07	1.74E-06	4.16E-11	9.73E-01	3.43E-01	1.56E-01
906.60545	49.28	11.55	11.47	11.86	11.98	3.40E-02	9.77E-01	3.55E-01	1.29E-01	1.91E-01	5.95E-02	9.35E-01
906.61465	57.08	12.83	12.86	14.30	14.12	4.88E-13	9.99E-01	2.13E-09	4.50E-07	1.14E-08	1.62E-06	8.71E-01
907.53417	243.64	18.85	18.77	18.82	17.97	3.45E-05	9.82E-01	9.99E-01	1.01E-04	9.95E-01	6.84E-04	2.36E-04
908.53931	242.61	15.71	15.26	15.04	15.62	1.29E-05	1.12E-02	2.60E-05	9.15E-01	4.27E-01	9.68E-02	9.88E-04
908.55035	236.29	15.13	14.49	14.66	15.03	2.90E-05	7.94E-05	6.92E-03	9.10E-01	6.32E-01	2.44E-03	7.29E-02
909.54865	266.68	23.19	21.13	21.90	22.85	9.84E-10	2.51E-09	2.94E-04	7.07E-01	8.05E-02	3.28E-06	2.35E-02
910.55259	272.28	22.21	20.60	21.16	22.18	1.72E-17	6.01E-14	3.64E-07	9.99E-01	2.09E-02	6.79E-13	3.14E-06
910.70418	47.11	12.93	14.19	13.92	14.14	4.32E-15	5.66E-13	7.37E-09	9.96E-12	3.56E-01	9.93E-01	5.41E-01
910.71521	40.65	12.98	12.88	12.72	13.28	1.08E-02	9.15E-01	3.49E-01	2.71E-01	7.67E-01	8.38E-02	5.28E-03
911.56268	278.58	23.43	22.46	21.92	22.15	6.35E-09	4.87E-04	8.95E-09	2.95E-06	1.26E-01	6.00E-01	8.08E-01
912.56757	280.74	22.42	21.49	21.09	21.04	3.42E-11	4.25E-05	1.93E-09	1.42E-09	2.35E-01	1.55E-01	9.93E-01
912.70275	47.22	10.98	12.48	11.92	11.97	4.06E-06	1.19E-06	4.56E-03	3.63E-03	2.02E-01	3.13E-01	9.98E-01
913.57288	287.03	19.99	19.62	19.52	18.56	4.28E-06	4.87E-01	2.73E-01	1.18E-06	9.84E-01	8.00E-04	2.57E-03
914.57806	286.42	15.40	15.82	15.80	15.33	2.93E-01	5.46E-01	5.84E-01	9.95E-01	1.00E+00	4.43E-01	4.77E-01
915.52901	232.78	9.36	12.02	12.48	9.65	1.70E-10	3.72E-06	3.11E-08	9.49E-01	8.18E-01	1.27E-04	2.34E-06
918.53888	198.19	13.78	13.07	13.80	13.38	2.08E-02	3.89E-02	1.00E+00	4.53E-01	3.57E-02	6.86E-01	4.20E-01
918.5554	194.61	14.50	13.79	14.11	14.14	2.33E-03	7.15E-04	1.36E-01	2.10E-01	3.13E-01	2.74E-01	9.99E-01
919.55005	193.25	13.89	13.04	13.33	13.51	5.43E-04	2.01E-04	3.01E-02	2.64E-01	4.71E-01	1.18E-01	8.36E-01
920.56125	191.86	13.70	12.84	12.85	12.86	2.91E-06	5.18E-05	4.87E-05	1.29E-04	1.00E+00	1.00E+00	1.00E+00
922.57341	194.91	13.75	13.23	12.99	13.06	2.47E-05	1.02E-02	3.61E-05	4.62E-04	4.88E-01	7.88E-01	9.70E-01
923.50712	189.06	13.51	12.07	12.19	11.41	9.14E-12	1.25E-06	7.54E-06	4.28E-12	9.76E-01	9.21E-02	3.11E-02
926.67145	42.17	10.00	12.43	12.25	12.27	4.86E-17	9.23E-14	1.41E-12	5.03E-12	9.33E-01	9.55E-01	1.00E+00
926.68281	48.3	10.68	13.72	13.68	13.81	3.03E-22	4.31E-14	4.22E-14	4.24E-14	9.99E-01	9.94E-01	9.79E-01
928.68109	48.71	10.32	12.77	12.48	12.81	4.71E-16	6.47E-13	1.15E-10	1.13E-12	7.99E-01	1.00E+00	7.52E-01
929.51732	221.44	11.27	11.61	12.72	11.42	6.02E-05	7.23E-01	6.75E-05	9.70E-01	5.50E-03	9.45E-01	1.02E-03
931.5249	211.44	10.42	12.54	12.60	9.56	1.00E-18	2.38E-08	6.06E-09	7.17E-02	9.98E-01	1.71E-13	7.04E-14
931.61626	220.36	14.41	10.57	10.25	10.88	9.10E-105	5.11E-15	5.11E-15	5.11E-15	3.11E-02	4.58E-02	1.36E-06
932.71264	46.45	10.59	12.55	11.90	12.61	3.83E-11	2.09E-09	8.32E-05	1.61E-09	1.46E-01	9.97E-01	1.04E-01

933.48147	227.04	9.81	10.65	11.15	11.54	1.28E-05	7.39E-02	6.62E-04	1.09E-05	4.83E-01	6.87E-02	6.96E-01
933.49294	222.78	10.69	11.36	11.84	12.60	6.49E-08	1.20E-01	8.80E-04	1.87E-08	4.03E-01	7.27E-04	7.78E-02
934.52734	194.05	11.32	12.78	12.54	11.82	9.02E-04	1.34E-03	9.47E-03	5.95E-01	9.35E-01	9.49E-02	2.90E-01
942.65801	51.19	11.26	12.76	12.53	12.90	1.27E-11	4.68E-09	6.26E-07	4.69E-10	7.71E-01	9.45E-01	4.40E-01
967.55634	171.69	11.06	9.69	10.31	9.85	1.00E-03	1.09E-03	1.63E-01	7.03E-03	3.25E-01	9.74E-01	6.09E-01
971.61001	209.2	14.45	15.70	15.34	14.75	7.17E-03	7.08E-03	9.35E-02	8.71E-01	7.91E-01	9.11E-02	4.62E-01
972.61362	210.67	12.76	12.19	11.81	11.66	4.87E-02	5.29E-01	1.02E-01	5.24E-02	8.04E-01	6.17E-01	9.86E-01
975.6446	209.5	11.39	12.19	10.33	12.47	4.95E-10	5.06E-02	4.39E-03	4.80E-03	1.14E-07	8.38E-01	2.65E-09
984.76699	223.56	14.17	13.47	13.20	12.72	2.48E-03	2.48E-01	4.74E-02	1.16E-03	8.93E-01	2.26E-01	6.06E-01
986.76911	263.94	14.70	13.81	13.80	13.73	2.98E-05	5.94E-04	4.58E-04	2.21E-04	1.00E+00	9.86E-01	9.89E-01
986.77739	258.05	15.68	15.16	14.82	14.80	6.87E-04	1.29E-01	1.78E-03	1.90E-03	4.96E-01	4.59E-01	1.00E+00
987.78491	258.54	15.37	14.60	14.19	14.07	1.26E-05	2.57E-02	1.16E-04	3.53E-05	4.65E-01	2.63E-01	9.75E-01
995.6141	210.28	11.81	12.29	11.92	11.69	1.80E-01	2.92E-01	9.79E-01	9.74E-01	5.32E-01	1.60E-01	8.60E-01
1010.7771	238.38	15.08	14.41	14.86	14.51	2.68E-02	3.22E-02	8.09E-01	1.07E-01	2.61E-01	9.79E-01	5.09E-01
1012.7963	265.53	17.33	17.73	17.54	17.17	8.10E-03	6.89E-02	5.62E-01	7.71E-01	6.60E-01	6.79E-03	1.33E-01
1012.807	270.79	15.94	15.01	14.87	15.09	1.03E-03	8.20E-03	1.35E-03	2.32E-02	9.64E-01	9.94E-01	8.88E-01
1013.7985	264.8	16.44	15.96	15.84	15.89	1.23E-02	8.29E-02	1.59E-02	4.33E-02	9.40E-01	9.90E-01	9.95E-01
1014.8042	290.58	15.06	14.45	14.19	13.70	4.58E-02	5.61E-01	2.48E-01	2.70E-02	9.52E-01	4.37E-01	7.49E-01
1035.663	229.26	16.04	11.04	10.70	11.67	6.36E-88	5.11E-15	5.11E-15	5.11E-15	2.38E-01	5.03E-03	2.37E-06
1036.6612	224.52	15.06	10.14	9.93	10.61	2.20E-92	5.11E-15	5.11E-15	5.11E-15	5.86E-01	3.66E-02	5.76E-04
1036.7915	256.72	15.63	15.11	15.58	15.31	1.04E-01	1.16E-01	9.96E-01	5.44E-01	1.98E-01	8.41E-01	6.91E-01
1038.8104	267.61	16.39	16.36	16.36	16.07	4.79E-01	9.99E-01	1.00E+00	4.92E-01	1.00E+00	5.97E-01	5.70E-01
1040.8263	295.04	13.11	15.27	15.87	14.21	1.09E-06	2.49E-04	1.03E-06	1.66E-01	6.60E-01	2.12E-01	1.23E-02
1062.8086	267.11	15.38	15.66	16.17	15.76	1.07E-01	8.29E-01	6.51E-02	6.52E-01	3.94E-01	9.88E-01	6.19E-01
1082.1994	21.14	12.93	11.67	11.52	10.80	1.15E-07	1.71E-03	2.72E-04	3.64E-08	9.72E-01	7.87E-02	1.90E-01