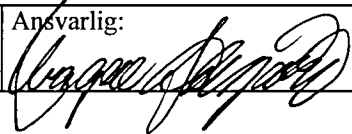


NGU Rapport 97.146

Kvalitetskontroll av vannanalyse ved NGU-Lab
ved bruk av ionebalanse

Rapport nr.: 97.146		ISSN 0800-3416	Gradering: Åpen
Tittel: Kvalitetskontroll av vannanalyse ved NGU-Lab ved bruk av ionebalanse			
Forfatter: Sheila B. Banks		Oppdragsgiver: NGU	
Fylke:		Kommune:	
Kartblad (M=1:250.000)		Kartbladnr. og -navn (M=1:50.000)	
Forekomstens navn og koordinater:		Sidetall: 82	Pris: 105,-
		Kartbilag:	
Feltarbeid utført:	Rapportdato: 01.12.97	Prosjektnr.: 002714	Ansvarlig: 
Sammendrag: I perioden september 1996 - april 1997 ble 1911 grunnvannsprøver samlet inn under NGU prosjekt «Nasjonal kartlegging av grunnvann i fast fjell» og analysert ved NGU-Lab. Følgende parametre ble bestemt: pH, alkalitet, 6 anioner (fluorid, klorid, nitrat, bromid, fosfat, sulfat) og 30 kationer (Si, Al, Fe, Ti, Mg, Ca, Na, K, Mn, P, Cu, Zn, Pb, Ni, Co, V, Mo, Cd, Cr, Ba, Sr, Zr, Ag, B, Be, Li, Sc, Ce, La, Y). Kvaliteten av resultatene ble kartlagt ved beregning av ionebalansen mellom hovedanionene og hovedkationene. Resultatene viste at 26.7% av prøvene hadde en ionbalanse < -2.5% eller > 2.5%, og at 8.8% av prøvene hadde en ionedifferanse < -5% eller > 5%.			
Emneord: Grunnvann	Vannanalyse	Kvalitetskontroll	
		Fagrapport	

INNHold

Innledning
Metodikk
Resultater
Diskusjon
Referanser

TABELLER

Tabell 1 Akseptabel % ionedifferanse for vannprøver

Tabell 2 Sammendrag av % ionedifferanser omregnet fra analyses av 1911 grunnvannsprøver

FIGURER

Figur 1 % ionedifferanser for 1911 grunnvannsprøver

VEDLEGG

Vedlegg 1 Analytseresultater og % ionedifferanser for 1911 grunnvannsprøver

INNLEDNING

NGU prosjekt 2720.00 «Nasjonal kartlegging av grunnvann i fast fjell» hadde som mål bl.a. å kartlegge kvaliteten av grunnvann fra fastfjellsbrønner over hele Norge. Vannprøvene ble innleverte til lokale næringsmiddeltilsyn av private brønneiere, som fikk tilsendt en oppsummering av analyseresultatene for hovedparametre samt informasjon om krav til drikkevannskvalitet som er bestemt av Statens institutt for folkehelse (SIF, 1995).

I tillegg ble resultatene brukt til å kartlegge områder hvor vannprøvene pleier å overskride krav til enkelte parametre i drikkevann og for å undersøke sammenheng mellom grunnvannskvalitet og berggrunnsgeologi.

På NGU-Lab er kvalitetskontroll av de enkelte analysemetodene en del av den daglige analysevirksomheten. I løpet av 1996/97 deltok NGU-Lab i flere nasjonale vannanalytiske ringtester, som dekket alle de vanlige metodene. Det har likevel ikke vært vanlig for NGU-Lab å kjøre en total kvalitetskontroll av resultatenes pålitelighet, f.eks. ved å kontrollere ionebalansen. Denne oppgaven har i vesentlig grad blitt overlatt til de enkelte hydrogeologer etter at resultatene er levert, og NGU-Lab har ikke hatt en oversikt over kvaliteten av de totale resultatene - bortsett fra tilfeldige tilbakemeldinger fra kunder.

I det ovennevnte prosjektet hadde NGU ingen direkte kontroll over prøvetaking eller prøvelagring før innsendelse til NGU. Noen prøver ble tilsendt NGU flere uker etter prøvetaking. På grunn av den store mengden prøver, ble også lagringstid ved NGU før analyse noe lengre enn vanlig. Det var derfor av stor interesse å kartlegge den totale påliteligheten av resultatene for dette prosjekt.

METODIKK

Behandling av prøver

Grunnvannsprøver ble levert NGU-Lab i 500 ml HDPE flasker i ubehandlet stand, dvs hverken filtrert eller surgjort. Etter ankomst til NGU-Lab ble 100 ml av hver prøve overført til en ren 100 ml HDPE flaske for bruk til bestemmelse av pH, alkalitet og anioner. Gjenværende prøve (ca. 400 ml) ble surgjort med 0.4 ml Suprapur® HNO₃ (Merck), uten filtrering, og senere brukt til analyse av kationer (samt uttak av underprøver til ICP-MS analyser i Tyskland).

Alle prøvene ble lagret i kjølerom ved ca. +4°C.

Anioner ble bestemt ved ionekromatografi (IC) og kationer ble bestemt ved induktivt koblet plasma atomemisjonspektrometri (ICP-AES), etter NGU-Lab's egne metoder. pH ble

bestemt etter Norsk Standard metode NS 4720 og alkalitet ble bestemt ved potensiometrisk titrering, etter tidligere Norsk Standard NS 4754.

Omregning av % differansen i ionebalanse

Vann er elektrisk nøytralt. Derfor bør summen av anionkonsentrasjoner være lik summen kationkonsentrasjoner, når disse angis i milliequivalenter/liter.

Kontroll av ionebalansen er basert på % differansen i ionekonsentrasjoner, som er definert slik:

$$\% \text{ differanse} = \frac{\Sigma \text{ kation} - \Sigma \text{ anion}}{\Sigma \text{ kation} + \Sigma \text{ anion}} \cdot 100 \quad (1)$$

(AWWA, WEF, APHA, 1995)

For de fleste vannprøver har sporelementene ikke noen stor betydning for ionebalansen. I omregning av differansen i ionebalansen under dette prosjektet ble følgende ioner inkluderte: HCO_3^- , F^- , Cl^- , NO_3^- , SO_4^{2-} , Na^+ , K^+ , Ca^{2+} , Mg^{2+} , og Fe^{2+} .

Resultatene fra de enkelte analysemetodene ble overført til en felles fil i Excel. Ved NGU-Lab er alle ionekonsentrasjoner rapportert i ppm (mg/l), med unntak av alkalitet (HCO_3^-) som rapporteres i mmol/l. Derfor, for å omregne summer anion- og kationkonsentrasjoner i milliequivalenter/l brukes følgende formel:

$$\text{sum anion} = \frac{[\text{F}^-]}{19.0} + \frac{[\text{Cl}^-]}{35.5} + \frac{[\text{NO}_3^-]}{62.0} + \frac{[\text{SO}_4^{2-}].2}{96.1} + [\text{HCO}_3^-] \quad (2)$$

$$\text{sum kation} = \frac{[\text{Fe}^{2+}].2}{55.8} + \frac{[\text{Mg}^{2+}].2}{24.3} + \frac{[\text{Ca}^{2+}].2}{40.1} + \frac{[\text{Na}^+]}{23.0} + \frac{[\text{K}^+]}{39.1} \quad (3)$$

Følgende antakelse gjelder:

- sporelementer er ikke viktige
- H^+ er ikke viktig
- Fe er i $+II$ oksidasjonstilstand
- ingen hovedioner er i kompleksform

RESULTATER

Resultatene er samlet i vedlegg 1 og figur 1, med unntak av 1 prøve med anioninnhold av 287 meq/l, som ikke er vist på figur 1.

I «Standard methods for the examination of water and wastewater, 19th edition» (AWWA, WEF, APHA, 1995) er følgende krav oppgitt:

Tabell 1 Akseptabel % ionedifferanse for vannprøver

Sum anion (meq/l)	Akseptabel % differanse*
0 - 3.0	± 0.2 meq/l
3.0 - 10.0	± 2%
10.0 - 800	5%

*dvs., resultatene regnes som pålitelige

Størrelsen av % ionedifferanse som er vurdert som akseptabel er derfor avhengig av ionekonsentrasjonen.

Edmunds (1981) hevder at ionedifferansen bør ligge innenfor ± 2.5% for de fleste grunnvannsprøvene. Dette er i samsvar med de øvrige krav, i og med at grunnvann oftest pleier å inneholde < 10 meq/l anioner. Unntak kan likevel skje, f.eks. når grunnvann er påvirket av saltinntrenging.

Tabell 2 sammenligner resultatene fra dette forsøk med kriterier oppgitt i tabell 1.

Tabell 2 Sammendrag av % ionedifferanser omregnet fra analyser av 1911 grunnvannsprøver

Sum anions (meq/l)	Antall prøver	Antall prøver med % differanse mindre enn krav oppgitt i tabell 1 ¹	Antall prøver med % differanse større enn krav oppgitt i tabell 1 ¹	% prøver med % differanse utenfor krav oppgitt i tabell 1 ¹
< 3.0 meq/l	1030	2	7	0.87
3.0 - 10.0 meq/l	851	233	50	33.3
> 10 meq/l	30	8	1	30.0
Total	1911	243	58	15.7

¹Etter krav i AWWA, WEF, APHA, 1995

Det fremgår videre at 26.0 % av prøvene har en ionedifferanse < -2.5% eller > +2.5%, mens 8.8% av prøvene har en ionedifferanse < -5.0% eller > +5.0%.

DISKUSJON

Fra tabell 2 fremgår at 3.0% av prøvene en ionedifferanse større enn de oppgitte krav, dvs. at 3.0 % av prøvene har en målt kationkonsentrasjon som er for stor relativ til den målte anionkonsentrasjonen. Én enkel forklaring for dette er at surgjøring av prøvene (som ble utført uten først å filtrere prøvene) har ført til at partikler i prøvene har blitt oppløst og tidligere bundete kationer har gått i løsning. Delprøvene til anionanalyse ble ikke surgjort, slik at partiklene ikke ble oppløst før analyse, med det resultat at det ser ut som om det er en relativ

«mangel» i det målte anioninnhold. Utfelling av karbonat i ikke-surgjorte prøver er også en mulighet, med det resultat at målt alkalitet er mindre enn det bør være.

For én prøve, som var innlevert med to store isoporbiter inne i flasken, var % ionedifferanse +76%.

For 12.7% av prøvene er ionedifferansen mindre enn oppgitte krav, dvs. at den målte anionkonsentrasjonen er for stor relativ til den målte kationkonsentrasjonen. Der prøvene ikke er konserverte straks etter prøvetaking, som var tilfelle for alle prøvene samlet inn under dette prosjektet, er det stor mulighet for at konsentrasjonen av oppløste kationer blir påvirket, av bl.a. polymerisering og utfelling, binding til flaskveggene, binding til organiske stoffer. Tidsrom mellom prøvetaking og analyse, samt lagringsforhold før prøvene ble mottatt ved NGU-Lab, kan ha hatt en betydelig påvirkning på en del av de analyserte prøvene. Manglende informasjon om slike forhold gjør det vanskelig å trekke entydige konklusjoner.

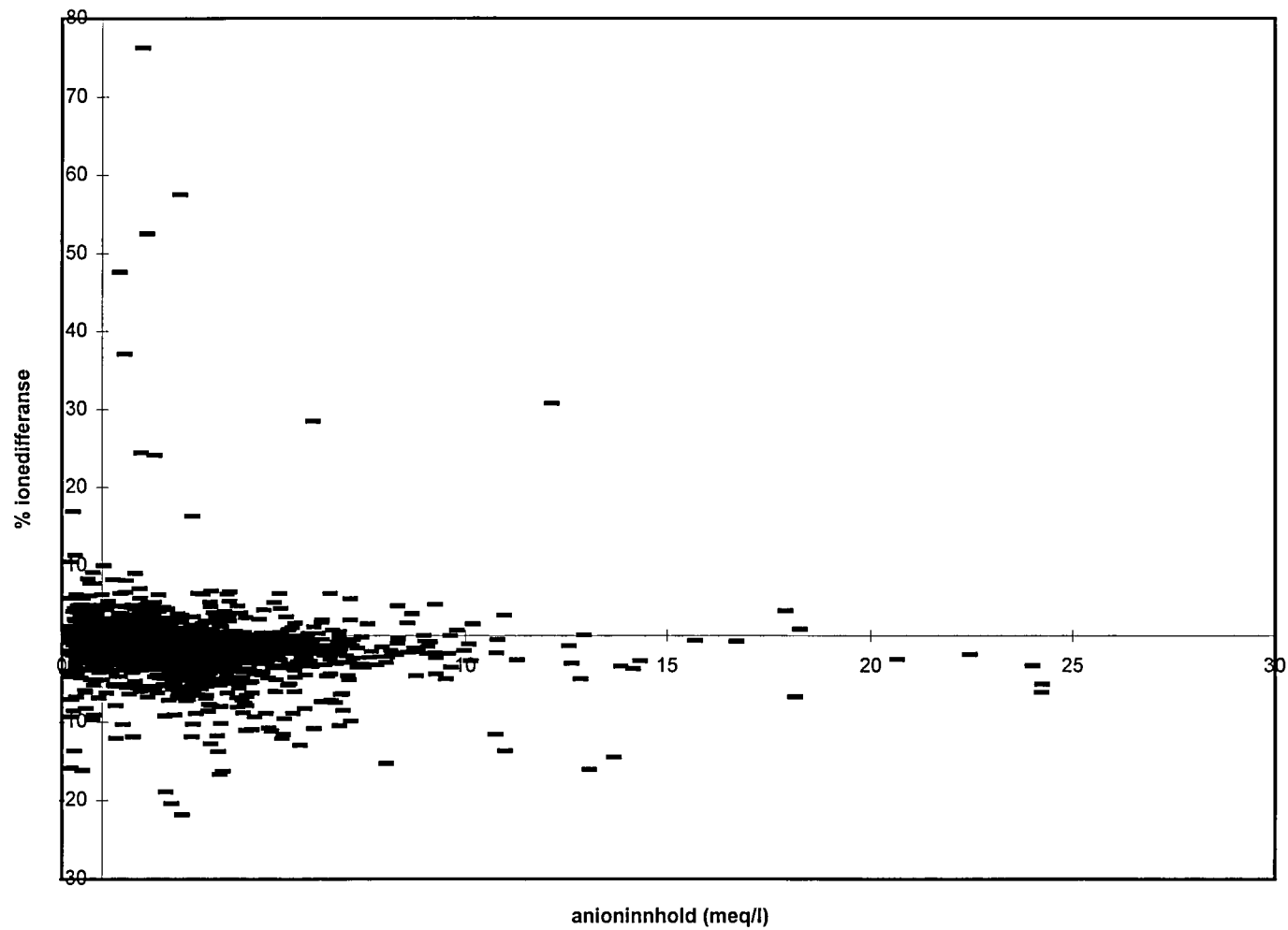
REFERANSER

AWWA, WEF, APHA, 1995: Standard methods for the examination of water and wastewater, 19th edition, AD Eaton, LS Clesceri & AE Greenberg (editors).

Edmunds, WM 1981: Hydrogeochemical investigations. *In: Case-studies in groundwater resources evaluation*, JW Lloyd, editor, Clarendon Press, Oxford, pp.87 - 112

SIFF 1995: Forskrift om vannforsyning og drikkevann m.m. *Norges Sosiale og helsedepartement forskrift nr. 68.*

Figure 1 % ion differanse for 1911 grunnvannsprøver



VEDLEGG 1

Analyseresultater og % ionedifferanse for 1911 grunnvannprøver

Løpenr.	pH	t-alkalitet [HCO ₃] (mmol/l)	F ⁻ mg/l	Cl ⁻ mg/l	NO ₃ ⁻ mg/l	SO ₄ ²⁻ mg/l	Fe ²⁺ mg/l	Mg ²⁺ mg/l	Ca ²⁺ mg/l	Na ⁺ mg/l	K ⁺ mg/l	sum anions + t-alkalitet meq/l	sum hoved cations meq/l	ion balance %
738	8.31	2.41	0.059	5.75	0.025	18.4	0.0222	2.2834	31.0666	3.5751	0.25	2.957	1.9	-21.8
412	7.55	1.87	1.36	6990	0.025	630	0.097	371	423	3100	68.1041	286.558	188.16	-20.7
140	8.13	1.40	1.71	0.632	< 0.05	8.87	0.0134	0.8078	30.677	3.5028	1.1954	2.692	1.78	-20.4
1065	8.06	1.22	2.15	10.8	0.025	44.0	0.85	1.1455	15.9253	17.1843	3.0199	2.554	1.743	-18.9
287	7.2	0.61	0.162	46.5	112	7.5	0.0278	8.286	36.258	5.6778	1.4824	3.89	2.776	-16.7
316	7.94	1.82	1.82	30.7	1.77	55.6	0.1233	9.9547	28.2409	11.5012	4.7173	3.965	2.853	-16.3
312	6.80	0.20	0.0671	3.93	1.46	7.60	0.1869	0.5206	4.5203	1.6209	0.6034	0.5	0.361	-16.2
219	8.21	3.60	0.128	305	0.635	41.4	0.5421	7.3245	10.1604	183.366	13.116	13.065	9.437	-16.1
322	6.71	0.08	0.115	1.54	0.276	4.24	0.0239	0.2016	2.193	0.6176	0.25	0.221	0.16	-15.9
408	8.17	2.68	4.70	165	0.025	22.1	1.2189	2.518	3.8397	122.306	5.7506	8.037	5.907	-15.3
239	8.92	4.53	0.025	290	0.025	46.6	0.026	3.6335	4.5842	215.968	11.8063	13.674	10.22	-14.5
567	8.06	3.22	0.128	13.3	0.298	11.5	0.0367	1.9654	19.8328	39.2237	2.0484	3.846	2.91	-13.8
246	6.45	0.1	0.052	3.98	1.43	3.21	0.0714	0.3282	1.8768	2.3342	0.25	0.305	0.231	-13.7
257	8.42	3.2	0.025	242	2.06	44.1	0.005	5.4184	10.0436	163.148	11.2321	10.969	8.328	-13.7
423	8.13	2.56	0.025	107	0.304	14.9	0.059	4.9533	68.0808	14.4196	3.8658	5.886	4.531	-13
909	8.28	3.19	0.405	10.1	0.025	8.11	0.005	3.3333	23.7586	30.6275	1.6309	3.663	2.833	-12.8
315	7.59	0.72	1.54	3.80	1.82	19.1	0.0596	1.356	15.9339	2.4504	1.2934	1.336	1.048	-12.1
928	8.26	4.41	2.74	22.0	0.528	12.2	0.068	2.2794	4.9569	85.7661	3.7799	5.437	4.263	-12.1
411	6.88	0.32	0.690	36.7	3.77	14.2	0.5483	1.8386	3.2854	22.8886	1.8527	1.75	1.377	-11.9
1279	7.89	2.53	0.295	10.1	2.36	15.4	0.0651	4.2994	33.3497	9.7712	2.6164	3.191	2.511	-11.9

1399	8.15	2.01	0.566	5.71	0.062	78.2	0.0893	2.5428	44.4243	10.3113	5.4864	3.827	3.017	-11.8
242	8.55	4.62	0.170	182	0.628	46.6	0.0997	4.3091	8.3112	173.48	7.3861	10.736	8.504	-11.6
277	8.04	2.23	2.40	85.3	0.072	33.9	0.0137	7.9341	35.7805	39.7263	6.4203	5.466	4.329	-11.6
940	8.15	4.23	1.36	21.7	0.168	12.2	0.1469	1.5987	17.8066	70.4715	1.7477	5.172	4.134	-11.2
673	8.96	3.05	0.197	19.8	0.025	44.5	0.4143	0.025	14.227	66.1449	1.2873	4.54	3.635	-11.1
904	8.12	3.34	1.01	21.4	9.53	25.6	0.0208	4.3999	22.9187	49.634	3.4959	4.685	3.753	-11
250	8.21	2.07	0.458	128	0.025	25.3	1.0023	7.6422	42.6147	48.2382	4.4201	6.227	5.001	-10.9
911	8.33	4.30	1.43	15.7	0.099	13.2	0.005	8.7628	30.1092	41.3342	3.0993	5.092	4.1	-10.8
240	8.38	3.14	0.087	109	1.17	30.4	0.0369	3.9382	12.5696	100.893	8.6303	6.87	5.56	-10.5
959	7.11	0.94	0.094	9.82	0.296	13.2	0.1338	2.7997	11.4304	8.3767	2.002	1.502	1.221	-10.3
1283	7.73	2.09	0.025	32.0	1.51	9.56	0.0651	5.1405	20.1664	23.9522	5.6476	3.219	2.617	-10.3
1280	8.04	2.54	0.069	24.4	0.742	32.1	0.0336	6.1996	15.5258	40.2451	5.8395	3.911	3.185	-10.2
927	8.33	4.44	7.18	61.9	0.172	28.1	0.0439	1.0241	2.0937	128.601	2.8607	7.144	5.855	-9.9
1128	6.40	0.30	0.229	3.19	11.0	8.91	0.027	1.1065	7.177	2.3102	2.9769	0.761	0.627	-9.7
925	8.20	4.20	4.42	16.8	0.025	27.7	0.1338	2.5229	15.6662	79.5944	2.5586	5.483	4.52	-9.6
908	8.43	3.97	0.619	17.3	0.051	12.7	0.0187	4.5232	7.7435	70.3478	4.8854	4.75	3.943	-9.3
1368	6.26	0.06	0.297	1.23	0.025	4.47	0.0789	0.3176	1.5078	1.3803	0.25	0.206	0.171	-9.3
491	7.86	1.23	0.151	38.0	0.025	11.1	0.5113	3.5313	15.177	20.741	5.3902	2.535	2.106	-9.2
416	6.75	0.92	0.025	37.6	8.68	31.1	0.0696	8.2654	20.7571	12.8192	1.1028	2.763	2.304	-9.1
1130	7.35	0.59	0.416	2.42	1.03	3.94	0.005	0.8052	8.5559	3.1712	0.6442	0.778	0.648	-9.1
282	7.54	1.33	0.815	45.7	11.9	21.6	0.0979	4.0189	35.8158	12.2902	4.0791	3.301	2.759	-8.9
711	8.39	4.05	0.025	10.9	0.359	64.4	0.1673	15.9584	25.6826	47.6471	4.0382	5.707	4.775	-8.9
714	8.30	4.60	0.025	11.0	0.216	5.72	0.0746	8.5222	43.1637	27.2125	6.6754	5.032	4.211	-8.9
913	8.46	3.67	0.279	15.8	1.71	14.8	0.005	3.2552	10.017	67.4457	1.4659	4.46	3.738	-8.8
1367	6.29	0.07	0.521	2.02	0.025	6.42	0.0208	0.4785	2.1737	1.9897	0.25	0.287	0.241	-8.6
1400	8.03	3.15	0.065	8.42	0.025	9.55	0.0914	3.1425	48.3704	6.3139	2.8672	3.593	3.022	-8.6

436	9.08	4.20	0.226	78.8	0.081	25.3	0.023	1.748	4.5258	123.507	4.9987	6.955	5.868	-8.5
258	6.95	0.14	0.025	11.9	0.184	5.36	0.1129	0.8437	3.9482	5.1368	0.25	0.591	0.5	-8.3
937	8.47	4.42	6.19	23.9	0.025	27.5	0.011	1.7215	10.918	100.185	1.171	5.992	5.072	-8.3
241	8.36	2.52	0.025	46.6	0.820	23.1	0.0108	3.4636	10.2623	63.0364	5.678	4.328	3.683	-8.1
317	8.16	2.93	0.0624	28.8	1.06	7.01	0.0398	2.6214	56.0145	6.1276	2.0753	3.907	3.33	-8
272	7.97	2.50	1.57	44.6	0.025	33.8	0.005	7.3568	46.4236	19.3948	4.4544	4.544	3.878	-7.9
415	7.47	2.52	0.025	31.2	0.025	12.8	0.0464	0.0025	0.032	71.5996	0.5107	3.668	3.13	-7.9
1402	7.44	0.62	0.092	5.18	1.93	24.9	0.005	2.4384	12.431	5.1642	3.3033	1.323	1.13	-7.9
1401	8.04	3.10	0.058	9.26	1.17	11.2	0.0602	3.8383	47.3845	6.0148	6.0165	3.614	3.097	-7.7
410	7.92	2.42	1.04	56.5	0.160	20.9	1.4783	4.4692	20.5543	53.6122	3.2342	4.499	3.86	-7.6
917	8.31	4.51	0.379	65.8	0.330	18.1	0.1437	10.7624	21.6158	86.8246	3.2644	6.768	5.828	-7.5
1371	8.13	2.43	1.74	13.7	0.025	169	0.0581	7.8249	71.7963	29.2349	1.6451	6.42	5.54	-7.4
1245	8.22	2.54	0.898	7.72	0.025	11.9	0.0392	3.9421	27.6883	19.2659	3.719	3.055	2.64	-7.3
933	8.32	4.51	7.58	46.0	0.185	22.1	0.3114	2.3876	6.5132	117.225	5.6736	6.665	5.774	-7.2
1271	8.19	3.49	0.569	19.8	0.615	16.9	0.005	5.9206	38.4473	31.3944	2.9327	4.442	3.845	-7.2
1373	8.18	2.11	2.33	1.54	0.025	16.9	0.0664	4.4066	31.8028	6.8671	1.1725	2.633	2.28	-7.2
632	6.66	0.11	0.025	2.40	0.937	1.85	0.0276	0.3435	1.8958	1.1774	1.1215	0.235	0.204	-7.1
1372	8.18	1.74	1.38	22.6	0.099	31.8	0.0208	3.8216	36.3764	12.3132	1.3161	3.111	2.699	-7.1
551	8.13	1.84	0.322	5.54	1.56	72.3	0.005	1.8224	51.666	6.3754	3.1159	3.545	3.084	-7
227	8.12	1.70	0.071	27.2	9.04	13.9	0.005	3.5762	33.5474	9.528	5.7817	2.903	2.53	-6.9
313	7.34	0.64	0.025	2.46	0.377	9.76	0.0358	1.1379	12.2879	1.9061	0.25	0.915	0.797	-6.9
1055	8.03	3.15	0.229	17.8	1.57	30.2	0.1788	8.319	53.4057	8.5954	1.1885	4.313	3.759	-6.9
398	6.54	0.05	0.025	8.01	1.03	2.69	0.0163	0.6368	0.9057	4.6178	0.25	0.35	0.305	-6.8
1237	7.92	2.16	0.058	8.23	0.025	21.4	0.1713	4.7065	28.3862	13.5862	3.2601	2.844	2.483	-6.8
1338	7.89	2.71	0.648	8.45	0.025	728	0.3135	5.2006	293.154	14.4243	5.032	18.129	15.816	-6.8
1394	8.13	1.66	0.306	6.21	2.66	10.4	0.0166	2.3694	26.0271	6.1281	3.2276	2.11	1.843	-6.8

1403	7.65	0.40	1.71	17.2	0.025	172	0.1495	1.0029	32.8622	49.7882	3.3555	4.552	3.977	-6.7
217	8.13	2.29	1.29	21.6	5.59	21.0	0.0239	5.3863	44.5636	7.9691	1.7817	3.494	3.059	-6.6
274	7.99	1.82	1.89	41.6	0.025	22.1	1.1743	5.9202	23.8671	29.4948	4.3101	3.554	3.112	-6.6
1227	7.91	2.36	0.157	7.70	0.863	19.4	0.0723	3.749	39.9946	5.2369	3.6857	3	2.628	-6.6
1282	8.68	3.93	0.497	10.8	2.54	12.3	0.0252	2.6477	7.2412	75.9865	4.2396	4.552	3.992	-6.6
417	7.82	1.65	0.070	35.7	24.8	14.0	0.005	5.482	38.4556	11.3657	2.9283	3.347	2.938	-6.5
930	8.24	4.53	0.308	58.4	0.025	33.7	0.1053	0.2893	1.1972	136.495	1.0149	6.896	6.048	-6.5
916	8.37	4.68	0.288	64.3	0.483	20.5	0.6352	4.5294	5.4576	122.132	5.1244	6.938	6.109	-6.4
1398	7.94	1.08	0.277	6.80	2.25	16.2	0.0125	2.15	18.0401	6.7082	3.601	1.661	1.461	-6.4
318	8.07	2.21	0.025	10.4	0.919	20.8	0.0219	3.0062	43.8555	2.1546	2.907	2.954	2.604	-6.3
1057	8.02	3.16	1.23	15.6	0.105	19.9	0.0255	13.9647	43.2504	5.9398	1.2311	4.078	3.597	-6.3
1070	8.26	2.38	2.12	6.65	0.025	96.4	0.0534	2.6756	65.7818	12.6756	3.14	4.686	4.134	-6.3
1140	6.28	0.27	0.315	19.4	2.91	10.5	0.0849	1.6332	5.6431	12.0456	0.9891	1.098	0.968	-6.3
1395	7.75	1.48	1.58	5.04	0.025	30.8	1.2209	2.0873	27.1683	10.3805	1.841	2.346	2.069	-6.3
367	6.62	0.12	0.025	8.95	6.93	4.17	0.005	1.1073	4.1777	4.3488	0.6499	0.572	0.505	-6.2
915	8.59	4.63	1.61	624	2.77	90.7	0.0208	15.0349	10.8314	444.573	11.3994	24.22	21.399	-6.2
1135	8.25	2.66	0.264	2.39	0.558	5.55	0.0289	6.205	33.2365	7.8689	0.9125	2.87	2.535	-6.2
907	8.04	4.68	0.316	21.6	9.25	13.9	0.005	7.6469	81.5321	8.2451	1.2836	5.746	5.087	-6.1
1141	7.45	1.13	0.946	15.7	8.19	9.25	0.2701	2.4896	13.2618	18.0702	2.2967	1.943	1.72	-6.1
1275	8.32	4.02	0.223	28.3	2.43	19.3	0.0378	4.8656	17.9455	74.4757	5.0694	5.27	4.665	-6.1
310	6.83	0.30	0.146	3.03	1.67	7.4	0.0219	0.642	6.97	2.3917	0.25	0.577	0.512	-6
1304	8.05	2.71	0.696	6.65	0.025	14.2	0.231	4.9369	33.7424	16.5612	1.8411	3.232	2.865	-6
1314	7.62	2.02	0.070	8.60	0.722	36.5	0.0672	3.0652	40.3771	8.6583	1.7996	3.035	2.691	-6
1393	8.05	1.72	0.506	5.25	0.025	18.0	0.0104	2.2043	28.8982	7.9027	1.9454	2.27	2.016	-5.9
223	8.21	1.43	0.025	16.4	0.191	73.4	0.0173	3.5254	44.5543	11.9094	0.9523	3.428	3.055	-5.8
1137	8.13	2.40	0.591	3.21	2.20	7.84	0.005	3.956	36.759	4.7191	2.1602	2.718	2.42	-5.8

409	8.14	2.74	1.76	39.5	0.025	19.9	0.4239	3.0955	9.7382	70.2718	3.3082	4.363	3.896	-5.7
1139	7.81	1.45	1.08	4.45	1.42	10.6	0.3954	1.7848	25.983	4.1833	1.4322	1.878	1.675	-5.7
420	7.64	1.70	0.025	35.6	2.38	10.9	0.005	1.5541	38.7316	13.1354	0.9424	2.968	2.655	-5.6
1136	8.28	2.65	0.280	1.44	0.025	7.06	0.0251	4.3823	38.965	5.1858	0.6945	2.852	2.548	-5.6
1145	7.18	0.78	0.064	3.02	1.96	33.2	0.1717	1.7507	21.8885	3.1372	1.8273	1.594	1.425	-5.6
1365	8.00	2.40	1.81	8.13	10.9	16.1	0.005	6.1847	42.741	5.1275	1.2821	3.233	2.897	-5.5
1369	7.90	1.56	5.89	3.53	1.67	5.68	0.1059	3.7234	15.332	18.0779	1.4989	2.118	1.899	-5.5
1370	8.27	2.41	2.42	2.09	0.025	19.4	1.1503	7.079	28.0557	14.5849	1.1777	2.998	2.687	-5.5
205	7.68	1.21	1.00	18.3	1.49	26.8	0.0672	1.5673	26.2195	13.9739	2.734	2.358	2.117	-5.4
207	7.56	0.53	0.107	21.5	1.66	6.61	0.8348	3.1656	12.5186	4.913	1.6944	1.307	1.172	-5.4
399	7.14	0.36	0.025	56.7	5.03	5.11	0.0814	3.0444	8.9337	26.9703	2.0523	2.146	1.924	-5.4
1228	8.16	2.89	0.151	6.16	0.173	23.3	0.0867	7.3838	42.6304	9.454	1.783	3.562	3.194	-5.4
1396	7.68	1.29	0.025	2.82	1.06	16.0	0.0851	2.4572	22.5481	3.2429	3.0317	1.725	1.548	-5.4
712	9.20	4.84	0.294	8.48	0.025	23.7	0.0181	1.2936	2.8492	108.321	2.3742	5.583	5.02	-5.3
968	6.18	0.11	0.397	16.5	0.476	8.61	0.3684	1.5404	2.8748	9.0736	0.8537	0.779	0.7	-5.3
1316	8.11	2.42	0.365	22.6	6.84	33.7	0.005	6.4073	43.2026	17.1591	2.842	3.89	3.501	-5.3
1392	7.93	0.76	1.57	3.30	0.139	16.0	0.005	0.5683	14.7773	7.3886	1.4519	1.269	1.142	-5.3
133	7.39	0.79	0.181	31.9	35.6	10.6	0.005	3.8555	27.7408	10.5905	3.3219	2.493	2.247	-5.2
1151	7.41	0.91	0.164	8.35	0.808	10.3	0.1196	2.0235	16.682	5.0546	0.8765	1.382	1.245	-5.2
1366	6.97	0.33	0.025	26.1	21.8	16.6	0.0249	4.6051	18.8242	4.6517	2.7445	1.766	1.591	-5.2
1854	8.20	3.64	0.594	637	0.025	126	0.0263	23.0899	64.7193	382.209	4.084	24.235	21.851	-5.2
320	7.49	2.09	0.355	3.92	0.283	24.0	0.0974	7.4156	28.4724	9.6066	0.25	2.723	2.458	-5.1
919	8.81	3.92	1.55	44.1	0.025	18.0	0.0285	0.1749	4.1717	111.36	0.25	5.619	5.072	-5.1
1056	7.92	3.08	0.213	16.1	3.86	35.9	0.0128	8.8991	57.3713	7.1633	1.0009	4.355	3.931	-5.1
1363	8.05	2.23	0.025	28.3	18.0	33.4	0.0125	0.025	0.0669	82.9805	0.5144	4.017	3.627	-5.1
568	8.1	3.47	0.065	20.8	0.523	11.9	0.005	5.907	40.6689	29.6738	3.9465	4.315	3.906	-5

973	7.69	2.27	2.27	20.4	0.025	12.6	1.011	4.3651	22.1363	31.5381	2.0776	3.229	2.924	-5
996	8.19	3.41	3.33	17.6	0.025	25.8	0.0241	9.082	19.6421	53.557	4.684	4.619	4.176	-5
232	8.19	2.22	0.025	11.0	0.025	32.3	0.0412	6.1236	39.8278	8.0102	2.5757	3.204	2.906	-4.9
1037	8.02	2.35	1.10	18.0	0.991	35.3	0.005	6.2505	49.8705	6.7745	0.8232	3.661	3.318	-4.9
1302	8.25	3.44	2.57	18.1	0.025	12.4	0.5124	4.8208	17.7903	57.5896	5.1083	4.344	3.937	-4.9
1305	8.22	3.67	0.813	14.0	0.025	18.7	0.1008	8.778	35.8449	32.6896	5.6087	4.499	4.079	-4.9
1364	8.25	2.52	1.66	1.33	0.025	6.61	0.0187	3.2491	36.6129	9.4085	0.5197	2.778	2.517	-4.9
278	7.22	0.94	2.71	11.9	9.33	11.0	0.0706	3.3807	21.3935	4.6804	3.2188	1.798	1.634	-4.8
905	8.18	3.62	3.17	16.1	0.324	10.7	0.0292	2.351	31.7607	52.1494	0.5026	4.472	4.059	-4.8
1240	8.22	2.61	0.110	10.6	0.516	14.1	0.0268	6.9464	31.5959	16.6265	1.719	3.211	2.915	-4.8
1270	8.38	3.98	0.996	15.5	0.127	9.94	0.005	2.7189	16.5617	72.7842	1.3173	4.678	4.248	-4.8
1312	8.10	2.93	0.414	10.1	0.197	16.1	0.7203	6.4033	39.1249	14.7945	3.8351	3.57	3.246	-4.8
386	6.66	0.22	0.025	62.3	46.2	13.1	0.0306	6.4723	12.1561	34.7115	3.0339	2.994	2.727	-4.7
1126	7.23	0.53	0.377	3.66	6.15	4.33	0.0154	1.6029	8.9723	3.7587	1.0226	0.846	0.77	-4.7
1307	8.30	2.70	2.10	9.69	0.081	16.7	0.0105	2.7189	23.6595	39.112	0.6975	3.431	3.123	-4.7
1317	8.15	3.16	0.373	12.2	2.04	19.0	0.005	5.2363	44.6562	19.0569	4.2655	3.949	3.596	-4.7
1375	8.04	3.00	1.49	2.05	0.025	57.3	0.2949	8.5541	56.0982	9.2585	1.1803	4.332	3.945	-4.7
215	8.22	3.32	0.025	17.3	1.77	23.4	0.0846	8.5585	57.8661	6.8018	1.9345	4.32	3.939	-4.6
225	6.69	0.13	0.078	4.36	14.6	10.3	0.0217	1.6313	5.1479	4.3942	2.5566	0.71	0.648	-4.6
384	8.17	1.27	0.025	130	0.17	16.7	0.0816	1.4886	10.3047	95.899	0.25	5.284	4.815	-4.6
656	7.98	1.14	0.434	6.43	1.50	73.7	0.0335	1.834	43.3638	6.3759	2.0423	2.898	2.644	-4.6
1051	7.46	0.93	0.061	27.0	13.3	52.0	0.2682	3.2021	30.8705	20.1038	1.6314	2.991	2.729	-4.6
1054	8.06	2.26	0.116	34.7	23.5	34.0	0.005	0.025	0.141	90.4902	0.25	4.33	3.95	-4.6
1122	7.37	0.68	0.723	3.18	6.35	4.01	0.0367	2.4763	7.9131	4.7354	4.1241	0.998	0.911	-4.6
1278	8.66	4.97	0.193	42.9	0.283	44.4	0.2898	3.2281	10.8533	125.128	8.9433	7.112	6.486	-4.6
397	8.82	5.53	0.559	118	0.025	30.4	0.0631	1.9906	1.3843	186.47	14.0073	9.516	8.701	-4.5

509	8.41	5.15	0.197	230	0.196	57.8	0.0212	10.51	27.7859	212.317	10.0484	12.846	11.74	-4.5
1149	7.50	1.37	0.069	12.7	7.72	31.8	0.137	3.3081	32.0577	6.5745	5.5227	2.518	2.303	-4.5
1230	8.35	3.09	0.660	20.6	0.134	13.4	0.0681	1.8518	6.423	70.9396	2.9819	3.981	3.636	-4.5
1347	8.07	2.55	1.12	7.47	2.04	9.36	0.0104	4.2812	39.5199	10.0497	0.9479	3.05	2.785	-4.5
1835	9.55	3.38	4.50	20.8	0.156	12.2	0.0273	0.1508	1.1471	91.5247	0.9007	4.459	4.073	-4.5
224	8.07	1.53	0.071	8.98	0.320	29.5	0.0217	4.5916	25.6458	11.6295	1.6508	2.408	2.206	-4.4
259	7.17	0.18	0.088	8.87	0.323	1.37	0.159	0.6842	4.0066	3.6889	0.25	0.468	0.429	-4.4
305	8.31	3.49	1.50	37.8	0.025	21.6	0.4473	5.5453	29.0105	61.993	1.4404	5.084	4.652	-4.4
438	8.16	2.02	0.085	30.5	4.21	13.3	0.0293	8.199	28.5018	16.3178	5.9548	3.23	2.959	-4.4
542	8.24	2.50	0.272	18.7	0.025	57.8	0.0129	2.7956	20.8938	58.8243	1.9924	4.239	3.881	-4.4
963	8.10	2.17	3.21	22.3	0.175	12.3	0.1469	2.0587	10.763	48.8817	4.3717	3.221	2.949	-4.4
1241	8.09	3.39	0.914	15.0	2.68	17.7	0.0186	7.4251	49.5507	16.4781	4.306	4.272	3.91	-4.4
1344	7.97	3.13	0.025	1.79	6.69	3.92	0.0145	1.5817	53.9538	3.3749	4.7134	3.372	3.089	-4.4
243	8.09	2.16	0.025	11.5	0.782	11.3	0.013	6.5806	25.1144	13.2917	5.2851	2.734	2.508	-4.3
395	7.60	1.47	0.097	23.4	0.025	61.1	0.2685	8.4306	37.6021	10.8777	2.8737	3.406	3.125	-4.3
998	8.20	2.78	2.62	37.0	0.067	9.22	0.0417	2.9455	18.4396	60.5241	0.8109	4.156	3.816	-4.3
1040	7.56	1.11	0.089	24.5	28.5	44.1	0.0362	4.4055	24.5077	27.4008	5.5824	3.186	2.92	-4.3
1041	7.87	2.12	0.393	29.3	1.98	23.6	0.0213	6.2813	46.5054	7.6688	1.3712	3.492	3.206	-4.3
1058	8.20	2.54	0.440	20.5	0.025	10.3	0.005	8.4645	39.4968	9.0292	0.8057	3.358	3.08	-4.3
1239	8.27	3.15	0.440	17.9	7.37	26.1	0.005	6.2943	39.4321	32.949	2.5257	4.342	3.982	-4.3
1281	8.17	3.75	1.31	58.5	0.092	14.2	0.651	5.7047	28.8219	74.4416	4.8049	5.761	5.29	-4.3
986	8.06	2.82	1.89	11.1	0.104	17.7	0.3048	6.4946	26.4613	31.2193	3.4173	3.597	3.31	-4.2
987	7.04	0.79	0.331	6.71	9.82	13.2	0.0175	1.4321	18.6285	5.2712	1.5412	1.431	1.316	-4.2
1125	7.92	1.85	0.391	6.04	2.42	9.89	0.0174	1.5006	33.0943	6.6431	1.3316	2.284	2.098	-4.2
1131	7.67	1.12	0.025	2.26	0.025	7.60	0.005	2.0841	19.2566	1.848	0.8981	1.342	1.235	-4.2
1345	8.21	3.25	0.108	2.07	0.025	7.54	0.054	10.6435	42.3767	4.0169	0.8878	3.472	3.189	-4.2

1397	6.50	0.07	0.025	2.37	0.095	1.98	0.1059	0.3155	0.5219	1.9457	1.1255	0.184	0.169	-4.2
196	8.11	1.52	1.75	0.821	0.025	343	0.005	0.1347	11.4955	172.5	0.25	8.777	8.091	-4.1
209	7.89	2.43	0.060	14.2	0.025	18.0	1.7866	4.106	42.9152	4.8826	7.6235	3.203	2.95	-4.1
997	8.06	2.31	2.72	20.7	0.510	10.3	0.005	3.2577	22.9086	36.1175	0.6774	3.257	2.999	-4.1
1129	8.20	2.20	0.901	4.13	0.025	9.24	0.005	4.4354	35.1363	5.2698	0.25	2.555	2.353	-4.1
1319	8.30	3.75	2.03	84.8	0.025	14.8	0.3108	3.8106	8.7247	117.808	6.0132	6.557	6.036	-4.1
1389	8.14	1.46	2.18	7.55	0.025	254	0.0166	0.8107	118.687	11.0046	2.2927	7.076	6.524	-4.1
222	8.53	4.77	0.025	34.4	0.025	12.9	0.0585	1.4525	3.5641	118.133	4.3902	6.009	5.548	-4
300	8.1	1.77	1.21	29.8	0.149	28.4	0.2584	2.9321	46.3973	8.5247	3.172	3.267	3.016	-4
353	8.65	1.63	0.025	77.5	1.96	10.2	0.0102	1.7537	6.8398	73.749	2.0278	4.058	3.744	-4
1244	8.23	3.99	0.659	15.6	0.977	22.2	0.1053	8.7313	47.2354	30.8126	5.4242	4.937	4.557	-4
1263	8.20	2.82	0.122	9.73	3.45	9.91	0.0168	3.8187	38.7465	18.3605	2.1704	3.358	3.101	-4
1374	8.17	2.75	1.68	1.35	0.025	34.5	0.0332	6.1471	46.7556	10.8653	0.25	3.594	3.318	-4
1391	8.16	1.71	1.73	7.71	0.867	15.1	0.005	2.3005	31.0653	8.1105	2.6714	2.342	2.16	-4
541	8.15	2.82	0.343	159	0.025	93.9	0.0108	7.7059	51.1341	122.5	2.5325	9.269	8.576	-3.9
628	6.78	0.12	0.025	1.25	2.07	1.81	0.005	0.2856	2.2096	1.6232	0.25	0.228	0.211	-3.9
994	8.00	2.19	3.67	28.2	0.355	10.5	0.0417	3.2015	15.4459	47.5597	1.521	3.4	3.142	-3.9
1132	8.20	2.59	0.701	2.15	0.598	17.3	0.005	2.7416	47.0388	4.6366	1.9974	3.056	2.825	-3.9
1249	6.75	0.13	0.215	2.07	5.32	4.63	0.0693	0.5723	4.2099	2.0033	0.25	0.382	0.353	-3.9
1269	8.12	4.22	0.025	7.67	1.70	16.8	0.1848	6.9735	59.5032	19.2221	2.5438	4.811	4.449	-3.9
1298	8.17	2.45	0.205	18.2	0.025	10.1	0.005	2.8615	43.5997	11.4922	1.5766	3.187	2.95	-3.9
1301	8.19	3.54	0.366	24.8	0.025	23.2	0.1659	8.3523	42.7302	33.186	4.5663	4.736	4.384	-3.9
1359	8.19	4.55	0.997	22.3	11.7	58.6	0.1163	17.476	42.557	56.5909	4.4967	6.637	6.141	-3.9
306	8.14	2.28	1.96	16.4	0.025	10.9	0.3121	3.1687	44.392	7.1028	2.0517	3.072	2.847	-3.8
309	8.03	2.15	0.441	16.2	0.025	3.48	0.2863	2.5412	39.8684	4.8178	3.4265	2.702	2.505	-3.8
1251	8.16	2.61	0.025	1.78	0.953	10.5	0.0546	3.0224	42.2639	6.6007	1.3017	2.893	2.679	-3.8

1361	8.17	2.97	0.405	10.7	0.025	17.1	0.0208	6.9014	44.5014	12.4126	2.3162	3.652	3.387	-3.8
368	7.12	0.33	0.025	11.3	12.4	3.24	0.005	2.6427	6.7395	6.0807	1.3077	0.917	0.852	-3.7
1804	7.09	0.85	1.37	18.0	5.91	9.13	0.0896	2.8273	23.1651	3.8776	1.3238	1.716	1.594	-3.7
212	7.93	0.98	0.025	3.69	0.454	6.34	0.013	1.1479	18.0389	2.383	1.7217	1.226	1.142	-3.6
231	7.09	0.38	0.103	11.8	9.23	9.15	0.1496	1.5011	9.1031	8.3837	1.4243	1.057	0.984	-3.6
657	7.96	0.89	0.105	5.47	0.066	77.0	0.0572	2.4932	28.0568	19.5968	0.25	2.649	2.465	-3.6
1028	8.29	4.08	0.879	6.89	0.171	30.3	0.2448	9.4485	67.8246	8.9503	2.2495	4.956	4.616	-3.6
1142	7.30	0.90	0.184	16.8	2.67	15.0	1.0918	1.7052	19.337	9.8106	1.995	1.743	1.621	-3.6
1176	7.97	2.38	0.431	9.62	0.025	23.7	1.1922	6.4242	30.9491	17.2735	3.0238	3.162	2.943	-3.6
1306	8.03	3.40	0.484	17.2	0.380	26.3	0.6468	7.0591	49.133	23.6746	2.5489	4.459	4.149	-3.6
1376	8.22	2.19	1.72	3.00	0.025	32.1	0.0623	5.3573	35.1738	13.3244	1.6503	3.031	2.819	-3.6
54	8.18	2.41	0.025	32.0	0.132	54.9	0.1023	3.1005	6.9625	79.2783	4.143	4.457	4.159	-3.5
481	8.22	2.63	1.27	22.1	6.69	20.7	0.005	10.8638	40.3788	15.3663	0.8252	3.858	3.597	-3.5
573	6.27	0.06	0.025	0.488	0.548	1.57	0.0259	0.1491	1.1887	0.6868	0.25	0.117	0.109	-3.5
980	7.70	2.21	0.296	12.2	3.64	33.4	0.4671	5.3913	26.1763	27.2484	5.8247	3.326	3.1	-3.5
990	7.29	2.00	0.865	22.2	26.2	50.3	0.2522	10.7494	38.4297	19.0386	8.8189	4.144	3.864	-3.5
1049	7.99	1.60	0.147	21.6	5.55	23.0	0.0128	3.7085	38.3925	8.1534	1.0835	2.789	2.603	-3.5
1053	8.32	2.66	0.796	4.50	0.098	12.7	0.005	0.025	0.01	66.0927	0.25	3.092	2.883	-3.5
1297	8.09	3.76	1.33	5.34	1.34	35.1	0.21	5.3768	28.5726	56.7427	2.7538	4.733	4.413	-3.5
4	7	0.18	0.025	10.8	1.930	3.3	0.005	1.0794	3.5909	6.3807	0.025	0.585	0.546	-3.4
113	7.03	0.28	0.262	1.727	1.71	2.905	0.0649	0.6159	5.2508	1.4876	0.8932	0.43	0.402	-3.4
193	6.26	0.13	0.025	16.1	32.2	15.0	0.0889	3.0331	15.7981	5.3907	1.9482	1.419	1.325	-3.4
363	7.59	1.01	0.025	19.1	17.6	5.74	0.005	2.241	22.7351	11.5016	0.25	1.953	1.825	-3.4
1260	8.19	2.76	0.179	5.31	1.11	11.4	0.0105	5.1222	41.2934	8.3	4.543	3.169	2.959	-3.4
1273	8.05	5.08	0.025	12.4	4.00	12.1	0.005	8.3177	73.3367	21.0098	4.6052	5.747	5.374	-3.4
1871	6.76	0.21	0.025	21.5	0.025	3.63	0.046	1.7125	4.7041	9.7739	1.2994	0.894	0.835	-3.4

390	8.15	1.25	0.025	28.8	6.17	7.99	0.0163	4.586	22.3914	15.1258	1.0217	2.328	2.179	-3.3
569	9.26	3.58	0.050	16.1	0.052	20.7	0.028	8.2778	55.4398	14.4342	4.3541	4.468	4.186	-3.3
1215	8.19	2.57	0.278	20.5	0.025	7.04	0.0929	5.3369	28.34	26.5598	3.2907	3.309	3.095	-3.3
1346	8.27	2.36	0.866	1.63	0.025	7.87	0.0478	4.7952	29.4309	12.609	1.5093	2.617	2.451	-3.3
111	7.73	1.23	0.643	17.1	29.1	20.6	0.2704	3.6019	31.5674	11.7755	3.4778	2.644	2.482	-3.2
116	8.21	1.91	0.057	18.8	1.89	21.1	0.026	4.9744	41.0846	4.7253	2.6453	2.912	2.733	-3.2
260	7.02	0.1	0.087	6.33	1.51	4.33	0.0484	0.4646	2.0325	5.1754	0.25	0.397	0.373	-3.2
323	7.93	2.61	0.2	27.3	0.025	9.9	0.0225	4.7924	41.562	18.2819	4.353	3.595	3.374	-3.2
362	7.76	1.14	0.025	16.8	32.6	9.38	0.005	2.7875	27.2138	13.7459	0.25	2.336	2.191	-3.2
373	7.84	0.78	0.025	16.6	8.67	7.79	0.005	6.0155	12.0162	8.1518	0.25	1.551	1.455	-3.2
530	8.26	3.06	2.24	11.7	1.24	9.62	0.036	8.4892	25.0629	32.1225	5.8698	3.728	3.497	-3.2
572	9.21	4.19	2.00	21.6	0.187	39.2	0.005	0.9134	1.2111	119.811	0.8255	5.723	5.366	-3.2
880	8.18	2.12	0.100	26.8	0.025	20.0	0.0312	4.5438	40.1981	13.8164	4.1808	3.292	3.088	-3.2
983	8.36	2.65	0.919	15.9	0.025	21.1	0.5132	1.1823	8.8022	63.7565	1.2289	3.581	3.358	-3.2
992	6.94	0.44	0.582	65.5	1.37	12.7	0.0154	4.7835	10.7181	33.9509	1.3221	2.599	2.439	-3.2
1045	7.55	2.08	0.075	10.8	6.72	26.5	0.005	7.8864	36.4201	8.5728	0.6931	3.043	2.856	-3.2
1127	7.73	1.34	0.220	2.90	0.195	5.34	0.1466	2.0386	23.1078	2.5357	0.764	1.551	1.455	-3.2
1134	8.02	2.70	0.485	3.90	1.85	8.32	0.005	6.421	39.201	5.6789	4.6102	3.039	2.849	-3.2
1354	8.34	2.93	1.04	347	0.584	66.6	0.1308	9.4003	13.7848	264.124	12.7223	14.158	13.275	-3.2
1360	8.14	3.99	0.089	2.13	5.32	23.2	0.005	5.702	71.1346	6.2723	1.7026	4.619	4.334	-3.2
1675	8.03	2.04	0.258	18.5	0.025	15.3	0.2804	6.2862	29.6483	11.5924	8.052	2.895	2.716	-3.2
221	8.10	4.40	0.025	13.6	0.025	19.6	0.722	10.5717	39.5251	40.8554	9.4707	5.194	4.886	-3.1
229	7.02	0.32	0.062	5.00	23.1	6.06	0.1149	2.4569	8.2478	5.1157	2.5375	0.963	0.905	-3.1
233	7.88	1.02	0.061	11.5	0.540	8.44	0.0217	2.5033	15.2008	8.955	3.4488	1.535	1.443	-3.1
298	7.12	0.39	0.025	9.4	17.7	7.3	0.0338	2.5864	11.9176	3.5384	2.4452	1.091	1.025	-3.1
783	7.32	0.77	0.025	13.4	52.2	20.2	0.0147	9.1536	20.0468	9.188	4.6233	2.415	2.271	-3.1

949	7.88	2.11	2.00	21.9	0.235	11.2	0.0263	5.5475	20.271	31.4589	1.7326	3.064	2.881	-3.1
954	7.72	2.37	0.873	12.7	1.22	14.4	4.1053	8.0246	26.3476	15.4532	4.6487	3.096	2.912	-3.1
965	7.97	2.60	2.06	18.0	0.879	4.87	0.9912	5.4642	11.4053	44.0336	6.3485	3.334	3.131	-3.1
993	7.60	2.25	1.64	26.3	48.2	18.8	0.0197	12.194	33.9147	28.5929	1.9139	4.241	3.988	-3.1
1047	7.22	0.88	0.059	18.1	6.20	19.4	0.0106	3.5076	20.6596	9.9155	1.2386	1.896	1.782	-3.1
1050	7.81	1.44	0.082	23.0	12.1	34.3	0.0341	3.0053	36.0115	16.7158	2.0093	3.005	2.823	-3.1
1144	8.14	3.72	0.698	48.4	0.094	14.3	1.1536	2.5843	14.0574	92.4967	4.4569	5.422	5.091	-3.1
1162	7.24	0.37	0.089	6.56	5.99	60.0	0.0532	2.108	21.6824	11.5006	1.2438	1.902	1.789	-3.1
1242	7.71	2.26	0.106	22.0	6.44	19.7	0.1528	0.025	0.1378	72.9323	0.25	3.394	3.192	-3.1
1362	8.19	3.35	0.462	13.4	0.025	12.4	0.0395	0.025	0.0949	86.4491	0.25	4.011	3.773	-3.1
6	7.19	0.3	0.025	13.9	0.998	3.7	0.0176	1.4844	6.5867	6.0941	0.923	0.786	0.74	-3
49	8.88	3.17	0.198	124	0.808	30.3	0.0138	4.0272	6.0126	140.59	5.7087	7.317	6.89	-3
234	8.20	2.74	0.150	12.3	0.025	14.2	0.0585	5.0221	24.0353	32.2919	6.7967	3.388	3.192	-3
283	7.66	0.69	1.88	9.07	2.09	140	0.0228	0.6292	57.1624	17.8289	3.0629	3.991	3.757	-3
401	8.29	3.07	3.17	123	0.932	36.9	0.0386	3.7099	11.2117	141.344	1.2637	7.485	7.044	-3
458	8.15	2.51	3.19	217	1.67	39.5	0.228	5.6472	9.7219	182.219	7.7667	9.64	9.079	-3
537	7.82	0.94	0.618	5.20	1.08	128	0.005	1.2048	57.1268	12.5139	3.1792	3.797	3.574	-3
560	8.20	2.93	0.134	3.03	0.025	5.85	0.005	3.8924	46.1412	6.2598	2.6064	3.145	2.961	-3
886	6.71	0.14	0.025	5.14	0.025	2.21	0.025	0.4665	1.7845	3.7942	0.7884	0.333	0.313	-3
1150	8.08	1.83	0.268	14.1	18.3	48.8	0.005	6.6502	44.7379	10.8153	3.7049	3.549	3.344	-3
1381	8.19	2.45	1.47	4.28	0.025	65.5	0.0125	3.8759	54.7629	14.395	4.0136	4.015	3.779	-3
123	7.58	2.01	0.759	13.1	13.1	9.58	0.1428	5.5008	36.3922	7.4742	2.7511	2.83	2.668	-2.9
244	7.45	2.05	0.025	2.61	29.3	12.3	0.1236	4.6446	40.0771	5.3948	2.7967	2.854	2.692	-2.9
678	7.74	0.52	1.61	2.48	0.025	633	0.0224	0.025	2.6391	296.843	1.1353	13.847	13.07	-2.9
719	8.14	2.00	0.025	6.09	0.165	5.14	0.0202	2.2834	31.2392	7.2717	3.5266	2.282	2.153	-2.9
912	8.43	4.04	0.562	53.1	1.11	13.9	0.0104	3.397	10.3124	107.137	3.4245	5.869	5.54	-2.9

914	9.19	5.14	0.499	22.8	0.828	17.6	0.0208	0.8364	2.887	127.45	3.3333	6.186	5.84	-2.9
976	7.95	2.54	0.342	14.3	11.8	18.0	0.1513	4.1486	15.8732	47.9611	3.7698	3.521	3.32	-2.9
1034	8.14	3.47	0.890	7.51	0.025	17.2	0.2214	8.8479	53.0493	10.066	1.4237	4.087	3.856	-2.9
1138	7.99	1.80	1.73	9.31	1.45	19.7	3.341	1.5707	36.8557	6.419	3.0583	2.589	2.445	-2.9
192	7.96	1.65	0.772	16.6	15.6	22.4	0.0282	3.7417	39.8054	7.9158	3.2851	2.881	2.722	-2.8
324	6.93	0.33	0.222	10.9	0.585	7.5	0.2724	0.9863	7.571	6.0353	1.5595	0.815	0.771	-2.8
400	7.70	1.21	0.112	29.2	4.13	7.02	0.005	2.3644	26.3486	13.6691	1.0161	2.251	2.129	-2.8
516	8.39	4.54	0.360	601	0.025	121	2.7604	23.2427	72.7498	385.226	12.5034	24.003	22.709	-2.8
955	9.13	3.10	2.91	19.2	0.025	13.4	0.0658	0.3851	1.8367	84.985	0.9771	4.068	3.846	-2.8
1036	8.02	2.43	0.978	28.4	5.86	22.6	0.005	0.025	0.098	83.3655	0.25	3.844	3.638	-2.8
1146	7.89	2.40	0.241	4.49	0.213	32.9	0.005	3.6927	50.6687	4.4191	1.128	3.226	3.052	-2.8
1295	8.21	3.42	0.340	23.9	8.16	53.7	0.7959	8.1629	76.6104	10.6235	3.5135	5.36	5.073	-2.8
93	8.11	2.75	0.369	28.4	0.967	12.9	0.0146	5.6332	49.6208	14.7666	2.6817	3.853	3.65	-2.7
99	8.32	3.62	0.337	30.7	0.025	72.0	0.005	8.0803	29.6115	78.6056	4.7551	6.002	5.681	-2.7
107	8.13	4.23	0.025	17.3	17.2	46.4	0.005	12.1036	81.9362	9.4137	6.361	5.964	5.655	-2.7
194	8.11	4.81	0.025	20.0	0.875	48.6	0.2819	26.2494	71.7199	6.2248	1.899	6.402	6.067	-2.7
218	8.16	1.89	2.32	6.93	0.025	20.1	0.0412	3.5121	34.6556	9.6462	1.8827	2.627	2.487	-2.7
236	8.22	2.95	0.025	11.9	0.025	4.01	0.0846	14.7594	25.6968	13.3591	4.4584	3.371	3.194	-2.7
267	8.09	2.29	0.688	18.4	0.025	15.7	0.005	4.8015	26.1245	29.1542	1.6282	3.172	3.008	-2.7
308	7.83	1.61	0.84	25.6	0.025	14.0	3.7813	3.537	35.0996	6.2603	3.1038	2.667	2.529	-2.7
335	8.46	3.8	4.28	68.6	0.303	25.7	0.005	6.7317	10.4706	113.763	4.9774	6.497	6.15	-2.7
369	7.63	0.51	0.025	4.69	1.32	4.90	0.005	1.458	7.4474	5.081	0.5434	0.767	0.726	-2.7
371	8.04	0.85	0.074	10.8	0.698	10.6	0.005	2.3308	17.5599	5.5797	0.25	1.39	1.317	-2.7
372	8.03	1.27	0.062	18.7	10.7	9.25	0.005	10.314	17.9054	6.2115	1.4949	2.165	2.05	-2.7
811	7.76	1.50	0.475	9.29	52.8	11.7	0.0209	2.7417	42.6282	7.7691	1.4699	2.878	2.728	-2.7
813	6.78	0.34	1.86	5.09	14.9	5.37	0.1507	2.162	7.6553	6.642	1.2245	0.934	0.885	-2.7

898	7.86	2.52	0.407	14.5	38.8	10.5	0.005	12.349	34.6941	10.1046	16.1936	3.797	3.6	-2.7
1166	8.02	2.93	0.154	8.52	1.35	41.7	0.4703	7.1213	55.0861	9.8859	2.6422	4.063	3.848	-2.7
1300	8.44	5.18	1.05	44.2	5.77	58.8	0.021	0.165	0.3977	166.721	4.0996	7.795	7.388	-2.7
253	7.7	0.43	0.081	11.0	1.47	5.88	0.0507	1.0449	9.7954	5.7512	0.7107	0.89	0.845	-2.6
695	8.19	3.66	0.025	17.5	0.025	34.2	0.1863	9.4811	34.916	42.541	9.4944	4.864	4.621	-2.6
952	8.04	2.17	2.63	162	0.025	26.6	0.0877	10.3185	40.9996	93.8499	2.5233	7.421	7.042	-2.6
961	8.03	1.87	1.25	20.6	0.160	31.7	0.5921	5.3518	30.2944	22.528	2.6039	3.181	3.019	-2.6
974	8.01	2.75	2.37	14.8	0.025	15.4	1.2171	5.4351	21.6636	40.8079	3.2737	3.61	3.429	-2.6
975	7.94	2.51	1.58	17.2	0.421	6.70	0.2127	2.4084	8.6261	54.5184	2.3445	3.228	3.066	-2.6
984	8.31	2.16	2.96	40.3	0.242	16.9	0.1118	2.4604	11.4584	65.126	0.25	3.811	3.616	-2.6
1218	7.94	3.47	0.133	12.2	0.494	16.8	0.0599	8.9756	53.1786	10.9563	4.0195	4.181	3.972	-2.6
1231	8.23	4.11	0.366	20.5	11.0	34.5	0.3716	11.0264	35.7168	57.101	5.1488	5.597	5.317	-2.6
1434	8.27	1.99	0.294	19.2	0.025	7.65	0.022	3.6043	10.3189	38.766	2.6685	2.704	2.566	-2.6
1665	8.05	1.22	2.76	5.87	0.025	41.4	0.0304	1.0333	34.476	10.0246	1.1034	2.393	2.27	-2.6
1840	8.13	2.15	2.04	9.68	0.598	19.5	0.005	3.3349	37.028	14.5487	1.6437	2.945	2.796	-2.6
13	7.87	5.3	0.025	31.6	10.300	18.6	0.1718	6.5553	94.5716	12.367	24.2631	6.745	6.421	-2.5
122	7.4	0.33	0.025	7.07	0.025	2.79	0.0108	1.072	8.0993	1.1202	0.7611	0.589	0.561	-2.5
149	7.07	0.57	0.301	8.16	33.6	12.2	0.0223	2.095	19.4035	6.4474	4.4075	1.614	1.534	-2.5
235	8.07	1.38	0.643	6.59	0.932	16.0	0.013	1.3598	23.8812	12.0998	0.9141	1.948	1.853	-2.5
238	8.85	2.64	0.025	16.7	0.110	22.5	0.0173	2.0243	5.1106	65.7207	4.9113	3.582	3.405	-2.5
264	8.1	3.19	0.105	10.8	0.025	49.8	0.0842	6.6915	62.7728	12.5258	3.2852	4.537	4.313	-2.5
269	8.73	3.06	8.26	16.1	0.102	10.8	0.0432	2.0546	4.93	78.8367	5.0549	4.175	3.974	-2.5
325	7.67	0.72	0.441	14.6	1.14	13.8	0.1024	1.5573	16.3969	9.1189	1.6281	1.46	1.388	-2.5
357	8.05	1.22	0.025	22.8	4.60	11.7	0.005	0.5241	10.1277	34.9662	0.25	2.181	2.075	-2.5
392	7.94	3.66	0.025	84.2	9.11	29.0	0.4017	14.1109	47.3878	61.6103	9.107	6.784	6.451	-2.5
540	8.11	2.56	0.025	7.87	0.536	18.0	0.005	6.1844	36.0271	12.448	6.3134	3.162	3.009	-2.5

566	6.65	0.41	0.058	17.1	0.736	6.38	0.0518	1.7093	6.232	11.556	1.2637	1.039	0.988	-2.5
858	8.30	4.16	0.535	259	1.28	53.7	0.0937	7.0253	13.0015	242.292	9.4799	12.625	12.007	-2.5
1032	7.22	0.62	0.025	19.8	0.442	5.87	0.0341	1.4412	20.0642	2.4149	0.6055	1.304	1.241	-2.5
1223	8.12	3.49	0.251	22.3	9.80	26.9	0.0103	10.7329	44.2671	24.0489	18.3338	4.844	4.606	-2.5
1224	8.25	4.51	0.700	12.2	4.14	3.64	0.0289	23.7766	30.7308	22.1601	13.1405	5.033	4.79	-2.5
1238	8.16	3.32	0.776	18.3	0.180	11.0	0.9414	5.0099	33.6009	38.2184	4.8011	4.104	3.906	-2.5
1276	8.41	3.29	0.025	12.2	0.312	7.94	0.005	5.6252	18.2659	47.7742	6.5215	3.806	3.618	-2.5
50	8.67	4.14	0.025	114	0.710	31.9	0.0354	3.3327	6.5915	156.72	9.0564	8.028	7.65	-2.4
230	8.51	3.31	0.085	11.8	0.375	18.0	0.0173	0.7241	2.3688	83.4756	1.4707	4.031	3.845	-2.4
237	6.84	0.09	0.079	5.54	0.094	4.19	0.0347	0.5254	1.8361	3.9411	0.5675	0.338	0.322	-2.4
271	8.25	2.75	3.30	17.1	1.06	11.4	0.005	6.9689	18.1496	41.0186	8.8482	3.664	3.489	-2.4
275	8.07	2.38	2.34	9.24	0.649	9.45	0.0182	2.977	45.1008	7.0889	1.224	2.974	2.835	-2.4
375	8.19	2.58	0.025	25.1	0.167	43.4	0.0122	24.48	28.0446	12.6427	1.2089	4.195	3.995	-2.4
534	7.78	0.89	0.911	3.52	1.43	291	0.1101	1.6872	123.382	8.893	3.5784	7.112	6.775	-2.4
548	8.02	1.32	0.025	3.33	0.304	9.06	0.0367	1.7755	23.3035	3.8667	2.2242	1.609	1.535	-2.4
844	6.76	0.14	0.115	13.6	11.8	3.73	0.0479	0.3736	3.9297	11.7924	0.8483	0.8	0.763	-2.4
889	8.21	2.09	0.100	8.31	0.025	12.6	0.0146	6.381	30.463	7.7333	3.4072	2.59	2.468	-2.4
1168	8.24	3.19	0.279	20.1	0.025	30.5	0.2924	6.2996	30.6592	46.2788	5.0211	4.404	4.199	-2.4
1170	7.90	2.71	0.176	9.42	9.14	29.7	0.0266	3.7325	44.3046	23.0621	2.1616	3.753	3.576	-2.4
1268	8.27	3.39	4.84	102	0.074	19.4	0.3423	3.8737	8.1705	131.422	5.9302	6.926	6.604	-2.4
1380	8.10	2.01	2.17	6.48	1.09	8.49	0.005	1.7572	36.6332	7.8897	2.5669	2.5	2.381	-2.4
1816	8.21	3.36	0.137	7.47	2.26	34.1	0.0558	12.5458	49.4784	13.3168	1.3186	4.321	4.115	-2.4
1817	8.20	3.99	0.078	3.85	0.025	16.4	0.0498	11.1173	48.2145	17.0622	6.9655	4.447	4.241	-2.4
1834	8.08	1.27	2.34	5.99	0.025	31.7	0.0182	2.1699	28.5387	11.2705	0.8348	2.219	2.114	-2.4
175	7.33	0.41	0.479	19.2	5.52	16.9	0.3642	2.5255	15.1247	7.2173	2.6158	1.419	1.356	-2.3
270	7.86	1.94	2.31	21.4	0.465	14.3	0.0683	6.3216	29.7311	16.0918	5.306	2.972	2.841	-2.3

708	6.85	0.54	0.072	12.4	40.8	8.09	0.4031	4.1591	19.2309	5.2996	3.7944	1.72	1.643	-2.3
766	8.12	1.75	0.075	5.68	0.477	14.1	0.0734	3.8153	30.2429	4.9155	3.092	2.215	2.118	-2.3
767	7.09	0.32	0.025	2.70	2.40	4.91	0.0675	0.7662	4.9331	3.7091	1.745	0.542	0.517	-2.3
793	8.21	4.46	0.090	8.33	0.025	53.8	0.005	23.3855	59.0519	13.7114	3.3374	5.815	5.552	-2.3
1046	7.53	1.15	0.063	9.23	5.94	26.3	0.0511	3.8745	25.6814	7.2156	1.9742	2.058	1.966	-2.3
1059	7.67	1.16	0.280	3.90	0.946	14.0	0.0404	2.7409	22.6298	3.3043	0.9058	1.595	1.523	-2.3
1321	7.83	1.50	0.416	24.2	0.025	10.3	0.6342	2.4766	5.0876	40.1063	3.3839	2.421	2.311	-2.3
1447	8.11	3.77	0.174	6.96	0.025	52.0	0.082	10.3953	61.178	19.345	3.1755	5.056	4.832	-2.3
1781	6.35	0.16	0.399	4.53	0.452	6.66	0.2931	1.1837	3.5393	2.9843	0.7756	0.454	0.434	-2.3
1828	6.71	0.13	0.263	81.5	6.52	7.90	0.0114	1.1763	6.7732	48.763	1.1991	2.706	2.586	-2.3
1836	8.21	1.86	1.38	12.6	0.025	9.14	0.0159	1.2791	25.4647	22.6588	0.25	2.481	2.367	-2.3
1841	8.19	1.23	3.87	9.76	0.711	36.2	0.005	0.3152	16.1913	34.9965	0.25	2.472	2.362	-2.3
214	7.70	0.93	0.257	5.29	7.02	7.60	0.005	2.1634	18.1346	3.4551	2.7722	1.364	1.304	-2.2
216	8.20	2.04	0.025	2.32	0.059	11.8	0.0455	3.4901	34.5537	4.2776	2.1528	2.356	2.253	-2.2
314	8.11	1.67	0.143	1.46	0.025	16.3	0.0199	2.4794	33.6767	1.5035	0.6166	2.055	1.966	-2.2
389	8.25	2.88	0.025	24.6	5.59	31.5	0.0143	19.6431	21.9286	30.5322	3.7281	4.32	4.134	-2.2
403	8.39	2.89	0.025	16.2	10.9	44.9	0.0448	2.4774	34.4487	51.666	3.6674	4.458	4.264	-2.2
404	8.12	3.11	0.025	31.2	1.81	32.1	0.0244	9.7494	56.3062	15.585	7.7139	4.687	4.486	-2.2
477	8.14	2.07	1.49	4.86	3.12	51.6	0.005	5.5418	47.2673	10.0092	0.6333	3.41	3.265	-2.2
519	8.22	4.00	0.074	23.6	0.025	70.7	1.6067	9.9511	54.4859	50.0359	4.0496	6.141	5.873	-2.2
538	8.05	1.56	0.252	7.53	0.025	12.0	0.005	4.3129	24.5231	7.2924	2.2497	2.039	1.953	-2.2
776	7.85	2.44	0.025	16.4	22.2	60.8	0.005	0.025	0.2128	98.9111	0.8442	4.527	4.335	-2.2
879	8.29	2.28	0.084	15.8	2.91	19.7	0.0104	2.8771	14.5288	45.1149	4.8608	3.184	3.048	-2.2
1027	8.08	4.06	0.492	8.93	0.419	9.85	0.2405	12.4354	59.9989	5.9519	2.5447	4.544	4.348	-2.2
1331	8.26	2.24	0.204	14.4	1.48	24.3	0.1744	3.4601	21.4266	35.2709	6.0791	3.189	3.049	-2.2
1598	8.82	3.16	2.30	344	0.025	64.8	0.0294	6.7247	12.0004	285.457	5.967	14.323	13.717	-2.2

1890	8.27	4.06	6.13	183	0.025	28.2	0.0377	3.1286	6.4032	207.096	3.8477	10.125	9.681	-2.2
182	8.60	0.58	< 0.05	12.4	0.087	34.6	< 0.0100	0.162	15.2477	17.9821	0.9888	1.648	1.581	-2.1
220	8.58	3.06	0.025	15.5	0.523	16.5	0.0173	1.7285	3.8233	74.1151	5.3206	3.851	3.692	-2.1
265	8.04	2.84	1.25	24.9	0.025	16.0	0.5348	8.3694	34.147	29.4824	3.2506	3.941	3.776	-2.1
268	8.70	2.71	5.75	16.3	0.154	14.5	0.0159	0.025	0.1374	81.7908	2.0208	3.775	3.617	-2.1
352	9.42	2.54	0.025	40.1	1.310	10.1	0.0795	0.8381	2.0448	81.3982	1.2583	3.902	3.745	-2.1
380	7.98	1.19	0.025	20.6	5.53	5.43	0.005	1.4825	24.632	12.2808	0.25	1.974	1.891	-2.1
539	8.09	1.65	0.232	7.44	0.025	11.9	0.005	4.3086	26.1218	7.4039	2.3108	2.124	2.039	-2.1
544	7.95	1.69	1.65	6.29	0.299	447	0.005	2.5117	203.396	7.0869	5.7274	11.264	10.806	-2.1
554	8.13	1.70	0.0632	3.17	0.0975	13.9	0.0237	2.7379	28.7329	5.3994	4.0306	2.081	1.997	-2.1
724	8.31	2.86	0.025	14.8	0.025	16.7	0.0121	15.0451	23.0187	22.0191	4.9659	3.622	3.471	-2.1
768	7.47	0.60	0.025	19.3	0.082	7.13	0.005	1.7819	10.1272	12.5139	1.709	1.292	1.24	-2.1
797	8.12	2.55	0.859	16.1	1.49	14.0	0.0126	2.6494	19.1095	45.4002	3.2736	3.367	3.229	-2.1
899	7.94	2.05	2.04	13.9	13.4	9.26	0.005	10.783	30.3486	9.2458	1.4856	2.961	2.841	-2.1
970	7.91	2.00	2.39	26.4	0.025	24.7	0.193	2.475	6.695	59.6962	4.0468	3.379	3.244	-2.1
979	8.03	2.44	0.370	23.4	1.80	17.0	0.2675	3.2494	18.6081	46.4981	4.9156	3.498	3.352	-2.1
989	8.55	3.24	5.12	17.8	0.025	13.5	0.0132	0.7182	4.2667	87.3936	1.7502	4.292	4.117	-2.1
1069	7.91	0.70	1.06	5.76	0.070	9.37	0.0134	0.9636	12.0105	7.7768	2.2205	1.119	1.074	-2.1
1156	7.50	3.34	1.76	16.5	0.025	5.31	0.0184	6.9399	46.4851	19.0151	4.6927	4.003	3.837	-2.1
1165	7.94	2.84	0.201	6.52	0.772	22.7	0.0675	5.0623	43.0179	16.8764	2.8185	3.517	3.37	-2.1
1259	8.06	3.36	0.025	7.13	1.49	12.1	0.005	2.776	59.6615	7.9836	4.919	3.833	3.677	-2.1
1277	8.38	3.54	0.176	36.9	0.137	35.7	0.1575	2.2383	4.8252	104.273	5.9951	5.337	5.117	-2.1
1318	8.14	4.30	0.131	13.1	0.025	34.9	0.005	7.5764	82.6603	8.1999	3.1272	5.4	5.183	-2.1
98	8.16	2.88	0.190	21.5	15.7	24.5	0.0237	7.6948	50.7409	19.3851	3.198	4.259	4.09	-2
255	8.94	3.97	0.142	25.4	0.025	17.3	0.005	1.7291	3.3217	102.866	2.7531	5.053	4.851	-2
393	7.24	0.38	0.086	9.84	3.41	8.66	0.0306	3.4299	6.8173	5.0848	0.7045	0.897	0.863	-2

499	8.73	4.61	0.769	55.1	0.025	20.5	0.005	1.0661	2.8269	139.901	2.2339	6.633	6.369	-2
532	8.15	2.19	0.075	10.7	0.025	20.9	0.005	5.6545	38.5998	8.4101	2.403	2.931	2.818	-2
725	8.28	2.46	0.055	9.44	0.025	38.9	0.1794	10.0764	33.1717	18.3617	4.2726	3.537	3.398	-2
756	8.30	3.50	0.090	27.6	0.980	51.5	0.005	5.2043	33.2186	67.2463	5.9612	5.368	5.162	-2
794	8.45	3.32	0.313	5.17	0.025	2.21	0.0314	13.1147	20.591	28.1076	2.292	3.524	3.388	-2
875	8.06	4.02	0.099	30.0	0.025	1.62	0.1958	16.716	27.2483	40.4421	8.172	4.902	4.709	-2
882	8.15	3.23	0.394	28.7	0.025	25.6	0.1062	3.4833	31.0063	57.4394	3.3456	4.596	4.42	-2
892	8.00	2.40	0.176	13.5	0.872	10.8	0.3124	3.9252	17.8114	36.6257	3.7645	3.031	2.911	-2
1015	8.11	2.79	2.68	17.9	0.351	15.8	0.2001	4.9918	27.561	38.9479	5.1971	3.77	3.619	-2
1323	7.96	1.52	0.581	23.1	0.448	12.7	0.1092	2.5519	14.895	30.7802	3.1142	2.472	2.375	-2
1327	8.22	3.03	0.123	2.01	1.24	29.8	0.005	11.0531	47.9016	4.6338	3.5096	3.734	3.59	-2
1378	8.22	1.68	1.89	5.02	0.025	28.8	0.0249	2.616	35.2204	8.7762	2.5356	2.52	2.419	-2
1379	8.18	2.12	0.451	4.35	0.025	3.74	0.0914	1.1575	30.3338	14.0129	1.2665	2.346	2.253	-2
1432	8.11	2.00	0.543	19.9	0.025	11.0	0.005	5.7503	27.6092	18.091	2.8119	2.82	2.709	-2
1496	7.66	1.03	1.80	2.41	0.188	6.01	0.3245	1.1769	18.1683	4.4526	2.4522	1.324	1.271	-2
1579	8.29	2.87	0.503	69.9	0.025	0.553	0.0331	9.8239	7.5114	77.4808	4.8888	4.874	4.678	-2
1832	8.17	1.40	2.49	5.34	0.361	18.8	0.0159	1.5532	26.9693	11.3144	1.3224	2.083	1.999	-2
1901	8.15	3.25	0.750	554	0.025	84.5	0.2175	13.3135	27.498	393.215	9.9913	20.652	19.827	-2
45	6.83	0.13	0.025	7.8	4.710	2.7	0.005	0.8283	3.339	4.3695	1.5158	0.481	0.464	-1.9
210	8.13	1.50	1.61	1.17	0.131	7.28	0.005	0.6909	29.9925	2.8378	1.1542	1.77	1.706	-1.9
256	8.24	3.23	0.238	18.4	27.6	18.4	0.005	7.6884	35.3012	41.839	7.8896	4.589	4.414	-1.9
377	8.2	1.16	0.025	30.6	22.3	9.08	0.005	5.1223	20.7548	23.0366	0.6499	2.573	2.475	-1.9
387	7.94	1.22	0.025	31.8	5.54	11.8	0.0632	8.5135	19.0755	14.6925	2.631	2.452	2.36	-1.9
469	8.06	2.60	0.489	8.35	3.69	6.23	0.0664	3.5661	48.7164	4.4716	0.551	3.049	2.934	-1.9
485	8.25	2.35	0.763	13.8	22.8	6.37	0.0243	5.6005	47.1678	7.296	1.0795	3.284	3.159	-1.9
505	6.86	2.59	0.281	13.9	33.0	13.7	0.0953	6.7233	26.0748	38.4551	5.7805	3.817	3.677	-1.9

716	8.22	2.15	0.025	5.39	0.845	10.6	0.1511	2.8832	36.7747	7.7517	1.0974	2.537	2.442	-1.9
720	9.33	2.68	0.025	7.75	0.025	14.2	0.0202	0.4861	2.0849	65.9119	2.6491	3.196	3.078	-1.9
723	8.35	2.69	0.127	6.32	0.025	41.7	0.0161	7.6695	39.3626	22.5244	1.0257	3.739	3.601	-1.9
750	7.76	1.80	1.78	26.0	0.827	29.7	0.1906	3.7937	13.2629	47.7206	3.0896	3.258	3.134	-1.9
788	8.16	2.58	0.091	11.1	0.273	36.0	0.0523	11.412	44.1098	7.9516	1.1804	3.652	3.517	-1.9
902	7.98	2.59	1.67	8.00	18.6	16.7	0.0104	11.7715	39.8976	9.1539	2.4735	3.552	3.42	-1.9
966	7.68	1.80	0.384	17.3	0.130	21.0	0.0746	6.5321	26.695	15.782	3.3266	2.745	2.643	-1.9
1119	8.11	1.58	1.75	3.86	3.81	11.4	0.0367	1.7185	27.3546	10.9752	0.6562	2.078	2.001	-1.9
1264	9.00	3.62	0.161	33.9	0.076	18.8	0.7665	24.6293	14.4125	42.2406	7.2138	4.976	4.794	-1.9
1267	8.09	5.54	0.799	27.8	0.228	40.3	0.2373	17.0815	61.3832	50.9353	9.5994	7.21	6.936	-1.9
1348	8.21	1.76	0.140	1.58	0.076	3.86	0.0851	1.3059	31.8924	2.3491	0.7181	1.894	1.822	-1.9
1444	8.00	2.57	0.070	2.18	0.435	44.4	0.012	13.1041	42.0931	5.1256	1.4641	3.569	3.439	-1.9
1451	8.16	3.19	0.091	19.6	0.085	53.0	0.052	0.1351	0.7436	105.412	1.1574	4.847	4.663	-1.9
1624	8.14	3.64	0.473	20.0	0.788	46.3	0.005	10.6178	42.8142	40.6955	8.7446	5.2	5.002	-1.9
1662	8.14	2.79	1.31	4.30	0.025	43.1	0.0567	5.5515	48.7471	17.827	2.7224	3.881	3.735	-1.9
119	7.36	0.57	0.025	3.13	11.7	4.77	0.0108	1.7455	12.6074	2.115	1.908	0.947	0.914	-1.8
126	8.27	2.25	1.99	6.04	0.025	3.45	0.0692	4.5567	34.5264	8.9159	0.6871	2.597	2.505	-1.8
127	7.18	0.22	0.064	1.64	0.895	3.78	0.005	0.503	4.9508	1.0792	0.5761	0.363	0.35	-1.8
203	7.96	1.86	0.270	11.9	0.025	23.6	0.0542	3.0729	36.186	10.1108	3.9618	2.697	2.601	-1.8
204	7.08	0.22	0.025	2.07	1.10	2.37	0.0108	0.3709	4.2355	1.4111	1.2251	0.347	0.335	-1.8
266	8.17	2.96	0.108	23.5	2.90	9.90	0.005	10.5548	46.8055	11.4072	1.8043	3.88	3.745	-1.8
581	7.81	2.13	0.07	11.5	2.47	20.5	0.0158	4.7816	32.4947	15.5523	5.1448	2.924	2.823	-1.8
682	8.17	2.14	0.254	1.06	0.025	2.25	0.0224	0.0535	0.1095	48.9362	0.703	2.234	2.156	-1.8
690	8.12	2.26	0.025	18.3	0.180	29.1	0.0421	5.4652	40.2408	16.0448	4.0399	3.381	3.259	-1.8
715	7.97	2.16	0.025	5.97	10.0	5.42	0.005	2.7617	40.1551	5.728	1.1931	2.602	2.51	-1.8
753	8.07	5.15	0.025	13.5	21.2	83.6	0.0595	7.5167	126.673	6.6951	4.209	7.612	7.337	-1.8

863	8.19	2.31	0.856	2.48	1.60	6.17	0.005	6.1637	35.5015	4.2705	0.9796	2.581	2.489	-1.8
1155	8.09	3.24	0.082	2.73	5.41	17.3	0.272	5.5837	59.526	3.3391	1.8862	3.766	3.632	-1.8
1309	6.68	0.20	0.068	1.97	6.79	10.0	0.005	0.8493	6.1335	3.604	0.8894	0.576	0.555	-1.8
1423	8.06	1.51	2.43	4.61	0.156	35.6	0.016	3.0173	38.3882	4.7033	2.0304	2.508	2.42	-1.8
1448	8.22	3.69	0.134	5.73	0.025	41.2	0.005	19.1004	30.459	32.6903	1.6273	4.72	4.554	-1.8
1481	8.18	1.83	2.98	3.38	0.319	14.3	0.0137	3.0037	29.3747	12.8326	1.1285	2.385	2.3	-1.8
1555	7.91	1.04	2.13	244	0.025	59.9	0.005	4.1922	115.357	64.0329	2.2017	9.274	8.939	-1.8
1688	7.84	1.64	0.025	4.56	0.119	40.6	0.013	4.7514	36.4455	5.6393	2.7437	2.617	2.525	-1.8
1771	8.26	2.34	1.83	2.86	0.025	12.3	0.0104	1.21	39.9701	12.9219	0.69	2.773	2.673	-1.8
27	8.32	3.54	0.089	36.6	52.100	23.6	0.005	8.7242	49.9107	54.4482	5.4757	5.907	5.715	-1.7
108	7.47	0.28	0.025	6.79	1.05	2.67	0.005	0.795	6.1539	3.4033	0.25	0.545	0.527	-1.7
201	7.98	1.39	0.230	4.49	2.34	11.6	0.0152	1.9603	24.9018	6.5704	2.2483	1.806	1.747	-1.7
228	8.25	3.07	0.025	11.8	0.025	4.05	0.0499	0.025	0.2561	76.5794	1.1542	3.489	3.376	-1.7
329	8.44	3.17	5.6	24.6	0.025	10.8	0.0389	3.3056	6.2978	80.0623	6.5369	4.383	4.236	-1.7
374	8.15	2.07	0.025	14.4	2.42	9.38	0.0102	13.4543	16.9505	14.9958	0.5174	2.711	2.618	-1.7
525	7.52	0.30	0.142	6.22	1.80	1.44	0.036	1.3302	0.8983	7.018	2.3831	0.54	0.522	-1.7
777	7.78	2.79	0.069	25.3	54.7	31.6	0.0209	17.4027	61.9436	5.858	3.9558	5.049	4.878	-1.7
796	8.33	3.20	2.30	9.08	3.88	11.6	0.0105	4.7814	14.7607	58.8713	2.5129	3.884	3.754	-1.7
806	8.03	2.62	2.32	12.9	7.92	17.7	0.005	9.6109	32.0612	23.6123	2.3411	3.597	3.477	-1.7
846	8.07	3.34	0.246	12.9	4.81	56.9	0.005	5.3655	78.5679	8.3023	3.4865	4.981	4.811	-1.7
1025	8.15	2.56	0.160	2.95	0.025	8.29	0.0851	5.2214	41.9404	3.3623	2.1544	2.82	2.726	-1.7
1121	8.04	2.02	0.580	2.98	0.483	5.39	0.0116	3.3498	32.6864	5.3118	1.5998	2.255	2.178	-1.7
1123	8.20	2.63	0.809	3.19	0.025	4.99	0.0367	2.8647	40.9901	10.5956	1.3747	2.871	2.777	-1.7
1211	8.00	6.92	0.093	7.79	17.0	31.4	0.005	19.8194	114.968	9.1169	1.7271	8.075	7.806	-1.7
1839	8.14	2.00	1.98	22.1	0.307	8.55	0.0159	3.175	15.2817	39.3481	3.1182	2.914	2.815	-1.7
1849	8.04	2.31	0.291	14.5	6.11	22.0	0.0965	6.6741	35.6457	17.2738	4.0585	3.294	3.185	-1.7

1889	7.91	4.09	2.71	97.9	0.025	42.5	0.0444	9.3527	19.9913	129.446	8.6415	7.874	7.618	-1.7
96	8.19	2.78	0.477	18.8	0.265	38.7	0.0201	3.7175	27.5675	52.4312	2.1432	4.144	4.016	-1.6
109	7.27	1.55	0.025	13.0	3.94	3.61	0.005	3.3887	26.3045	8.1163	1.6834	2.054	1.987	-1.6
211	8.21	2.00	0.0250	3.61	0.025	13.8	0.1583	3.3157	34.1913	5.4031	3.7899	2.39	2.316	-1.6
247	7.83	0.84	1.03	3.83	0.184	39.6	0.005	1.5441	28.6336	4.6248	0.5836	1.829	1.771	-1.6
294	7.88	1.21	0.139	17.0	52.4	26.4	1.2843	3.3251	47.4143	4.2048	5.0479	3.091	2.996	-1.6
378	8.01	0.77	0.025	15.2	1.36	4.44	0.005	1.2745	16.439	7.8705	0.25	1.314	1.274	-1.6
396	7.96	2.49	0.127	19.2	0.148	10.8	0.0203	4.6261	34.2439	21.5295	5.2243	3.265	3.159	-1.6
535	7.97	1.23	1.55	8.87	0.139	134	0.0529	1.5937	71.2395	10.4428	2.7254	4.348	4.21	-1.6
789	7.95	1.91	0.061	3.79	4.31	53.0	0.0649	13.588	35.9422	3.0991	1.4601	3.188	3.085	-1.6
817	8.00	2.50	0.468	8.30	18.6	6.84	0.005	8.0646	35.6877	12.1474	4.8982	3.196	3.097	-1.6
910	7.39	0.50	0.084	10.4	30.8	13.8	0.0625	4.3609	15.5306	7.7571	2.3011	1.582	1.532	-1.6
1148	8.15	5.02	0.674	28.5	9.67	30.4	0.005	20.701	77.6288	15.9244	6.4974	6.646	6.434	-1.6
1175	7.99	2.83	0.534	35.2	0.392	19.8	1.7607	5.6271	52.6904	21.4091	1.9418	4.266	4.135	-1.6
1214	8.06	2.58	0.195	9.90	0.185	15.5	0.8794	6.7317	34.6229	15.3004	4.3811	3.19	3.09	-1.6
1296	6.96	0.31	0.081	9.73	22.2	21.2	0.0609	3.0631	18.2809	3.0743	1.9111	1.391	1.349	-1.6
1390	8.09	1.50	1.89	4.79	0.944	30.3	0.005	2.4321	33.2665	8.544	2.7471	2.378	2.301	-1.6
1605	7.95	4.57	0.025	11.3	39.3	24.4	0.0173	12.2838	91.8903	3.9522	3.2697	6.034	5.85	-1.6
1815	7.98	4.97	0.059	9.05	0.025	87.2	0.0159	6.9296	117.445	8.1342	1.6599	7.041	6.825	-1.6
1819	8.10	2.54	1.75	9.74	0.306	8.58	0.0523	4.4998	45.4697	7.4397	1.1704	3.092	2.993	-1.6
1822	8.92	3.32	8.11	20.2	0.127	8.89	0.0159	0.8383	4.9434	92.2602	0.9839	4.498	4.353	-1.6
1838	8.17	1.56	1.69	6.55	0.025	26.1	0.005	2.5217	32.575	10.2463	0.9954	2.377	2.303	-1.6
1842	8.19	2.24	1.84	7.07	0.767	7.60	0.005	2.9534	39.2412	8.8598	1.1991	2.704	2.616	-1.6
213	7.85	1.42	0.025	2.00	0.295	9.66	0.0325	2.1501	26.2456	2.1138	2.2892	1.687	1.638	-1.5
343	6.74	0.17	0.275	5.33	0.832	7.46	0.041	0.7371	5.2885	3.2074	0.9083	0.503	0.489	-1.5
365	8.2	2.58	0.025	11.4	0.025	28.9	0.6138	11.6497	42.0794	6.8007	0.9957	3.504	3.401	-1.5

391	8.08	2.32	0.025	45.5	2.44	13.6	0.005	6.3438	40.5827	28.1335	1.5859	3.925	3.81	-1.5
419	6.50	0.82	0.025	15.8	8.76	8.34	0.005	1.6476	17.8915	10.876	1.4185	1.584	1.537	-1.5
500	8.39	3.09	0.287	18.4	0.788	9.68	0.005	2.9286	16.2048	60.949	1.1468	3.839	3.729	-1.5
718	8.47	2.74	0.485	6.90	0.072	13.1	0.0101	5.2783	10.5662	46.691	5.4298	3.229	3.131	-1.5
760	8.82	4.33	2.09	19.6	0.323	15.7	0.0238	0.6896	3.2098	113.359	0.6232	5.324	5.162	-1.5
822	7.27	0.20	0.025	0.482	0.429	2.00	0.005	0.4493	1.8484	2.7083	0.25	0.261	0.253	-1.5
894	8.24	3.13	0.445	19.4	0.466	16.5	0.2353	6.9318	34.247	35.5086	4.1069	4.054	3.936	-1.5
947	7.50	2.01	1.88	9.12	0.068	5.54	0.2588	6.1199	24.1437	13.8416	3.6716	2.485	2.413	-1.5
958	7.79	1.74	0.252	14.1	5.51	11.1	0.4189	3.0141	31.5242	11.1784	3.0295	2.47	2.399	-1.5
978	8.30	2.81	0.861	35.6	0.104	9.57	0.0504	2.8226	17.0459	64.3123	2.1657	4.059	3.936	-1.5
1012	7.99	2.88	0.256	15.7	8.06	35.1	0.0106	5.9635	63.7593	7.9916	1.9442	4.196	4.068	-1.5
1143	7.50	2.92	0.090	16.6	58.8	39.3	0.0367	5.7484	79.3977	10.9516	3.4702	5.155	4.999	-1.5
1322	8.35	4.70	5.11	33.5	0.025	27.2	0.357	0.4399	0.3584	139.977	5.2976	6.478	6.288	-1.5
1358	8.61	2.20	1.46	13.1	0.187	16.9	0.1661	1.5545	3.356	57.6599	4.0762	2.999	2.912	-1.5
1404	8.05	1.10	1.08	4.12	0.920	21.4	0.005	1.6381	23.9639	6.7913	2.2353	1.733	1.683	-1.5
1435	7.32	0.59	0.149	8.33	0.025	39.9	0.204	1.5208	22.708	6.6195	2.2357	1.661	1.61	-1.5
1441	8.20	2.66	1.55	0.765	0.025	26.2	0.332	6.7164	44.7657	8.822	0.9175	3.305	3.204	-1.5
1658	8.16	2.74	0.064	5.16	0.025	7.10	0.0756	3.5179	45.5187	7.3397	2.5503	3.036	2.947	-1.5
1699	6.60	0.13	0.201	12.0	10.3	4.55	0.005	1.4829	7.2419	4.2266	1.9818	0.74	0.718	-1.5
1843	7.08	0.41	0.317	9.75	4.12	8.58	0.005	1.6925	10.1892	5.8525	0.8462	0.951	0.924	-1.5
95	8.34	3.64	0.696	17.5	0.135	25.4	0.005	6.0088	23.3164	64.2116	4.8974	4.7	4.575	-1.4
169	8.23	1.05	3.56	31.1	< 0.05	54.2	< 0.0100	0.81	30.0357	36.3496	< 0.5000	3.241	3.152	-1.4
208	7.89	1.73	0.025	1.54	0.260	16.8	0.3578	1.3267	36.36	1.7731	2.2619	2.131	2.07	-1.4
360	7.5	0.4	0.025	10.3	1.54	6.89	0.0877	1.4825	4.9617	10.317	0.546	0.86	0.835	-1.4
433	7.32	0.52	0.075	11.5	2.18	8.24	0.0313	3.339	7.8327	6.9753	2.3865	1.059	1.031	-1.4
529	8.06	5.33	0.813	22.3	0.372	110	0.525	0.3612	2.5442	173.201	13.9392	8.294	8.062	-1.4

574	7.37	1.21	0.025	19.3	8.92	25.6	0.005	3.4849	35.2849	5.452	3.1382	2.432	2.364	-1.4
634	7.06	0.21	0.025	1.53	1.46	2.36	0.005	1.7773	1.2195	1.7964	1.164	0.324	0.315	-1.4
722	8.47	2.55	0.025	15.8	0.290	15.1	0.0101	4.1533	16.6196	45.3296	3.0604	3.313	3.22	-1.4
790	8.28	4.44	0.260	5.54	0.025	26.5	0.005	14.3863	29.0519	53.8908	1.6368	5.162	5.018	-1.4
810	8.34	3.77	3.96	8.78	0.025	11.9	0.0105	8.941	13.112	66.6521	2.5006	4.477	4.352	-1.4
877	8.16	2.38	0.187	4.15	0.699	16.3	0.0292	3.9971	40.206	9.3915	1.217	2.856	2.775	-1.4
945	7.54	1.02	0.751	13.8	17.7	20.0	0.057	5.5183	19.4078	13.648	2.6694	2.147	2.086	-1.4
995	7.31	1.18	0.428	20.5	4.90	20.1	0.1162	5.6952	14.0289	22.4453	2.6265	2.279	2.216	-1.4
1005	8.49	3.15	3.08	601	0.357	106	0.0532	13.239	27.2974	441.434	7.4115	22.451	21.835	-1.4
1022	7.91	2.83	0.221	12.8	0.923	12.7	0.4236	4.9836	32.1834	27.9836	5.107	3.477	3.378	-1.4
1048	7.81	1.61	0.135	6.92	1.36	21.4	0.0681	2.4416	35.2103	5.394	0.7632	2.275	2.214	-1.4
1167	8.07	3.42	0.106	10.4	5.43	28.1	5.2209	6.6339	58.9915	11.6861	3.1808	4.386	4.265	-1.4
1200	7.29	0.50	0.362	11.8	1.29	4.91	0.005	1.8308	7.0126	9.2228	1.9804	0.979	0.952	-1.4
1266	7.88	3.63	0.637	67.9	0.557	16.8	0.6573	10.5275	32.8318	70.1636	7.2605	5.932	5.764	-1.4
1355	7.38	0.57	0.475	15.4	0.159	10.3	0.0311	2.6034	2.781	17.4733	3.8569	1.247	1.212	-1.4
1546	8.18	2.54	0.157	15.2	5.39	42.0	0.005	5.7274	37.2076	31.9037	4.3045	3.936	3.825	-1.4
1777	8.20	2.44	1.22	16.3	10.4	42.0	0.005	5.4972	58.3318	10.8005	2.3704	4.001	3.892	-1.4
1823	8.03	2.57	0.761	18.1	3.16	9.26	0.005	5.2969	45.4289	11.2432	3.1497	3.367	3.271	-1.4
1837	7.41	0.67	0.945	6.79	2.53	7.03	0.1251	0.6967	14.7029	5.8059	0.6655	1.095	1.065	-1.4
1858	6.77	0.22	0.555	5.17	0.725	3.35	0.0154	0.7102	4.5269	3.3704	1.0983	0.473	0.459	-1.4
47	8.4	5.26	0.242	115	0.987	50.2	0.0703	3.0458	4.3445	199.507	6.7993	9.573	9.318	-1.3
124	7.86	1.49	0.025	5.09	15.2	8.94	0.005	2.4979	32.8737	2.4258	2.463	2.066	2.014	-1.3
134	8.1	2.51	0.025	2.70	1.64	4.38	0.093	4.0686	43.1297	2.5422	1.3451	2.705	2.634	-1.3
202	8.20	1.68	2.19	1.72	0.025	15.7	0.0716	1.1744	32.0301	9.0855	1.0778	2.174	2.119	-1.3
358	8.24	1.22	0.025	16.9	1.370	15.3	0.0918	3.0995	9.6922	27.5929	1.6665	2.038	1.984	-1.3
571	8.08	1.49	0.064	11.8	3.00	19.7	0.028	2.3709	33.3668	6.1683	3.786	2.284	2.225	-1.3

693	8.92	3.95	0.142	25.8	0.025	18.4	0.0341	1.5129	3.8253	103.898	3.9815	5.065	4.936	-1.3
752	8.22	2.50	0.85	13.2	0.025	47.8	0.1072	7.169	57.8629	6.0466	2.8979	3.915	3.817	-1.3
803	8.28	3.18	1.00	11.8	5.37	16.8	0.005	5.7722	23.9905	49.9033	2.1178	3.997	3.896	-1.3
816	8.26	3.12	0.958	6.11	7.34	9.32	0.005	5.8223	26.5161	39.4493	1.7448	3.656	3.562	-1.3
818	7.81	2.09	0.771	7.23	14.7	11.4	0.0105	5.3751	37.9993	8.0257	1.8233	2.807	2.734	-1.3
901	8.05	2.68	2.10	9.38	39.1	15.8	0.0146	12.1722	27.6875	33.5605	2.4957	4.01	3.906	-1.3
956	7.98	2.08	0.347	8.63	0.138	8.11	1.193	4.5525	27.008	13.7264	3.2611	2.509	2.445	-1.3
1026	8.13	3.34	0.490	5.97	0.025	21.4	0.0319	0.1066	0.8739	87.7743	0.25	3.981	3.876	-1.3
1212	8.25	5.49	0.585	9.89	6.89	46.6	0.0217	12.1008	40.9996	80.8145	5.6263	6.878	6.699	-1.3
1243	7.22	0.94	0.095	20.4	1.58	25.0	0.095	2.9137	25.3837	10.0524	2.6286	2.065	2.014	-1.3
1299	8.43	6.05	6.28	92.6	0.317	2.95	0.1722	2.6069	5.7159	188.057	5.3831	9.051	8.82	-1.3
1326	8.06	4.87	0.068	16.2	8.33	36.7	0.005	7.2211	101.144	8.315	2.6426	6.228	6.068	-1.3
1387	5.90	0.02	0.025	2.38	2.29	1.43	0.0249	0.3092	0.4532	2.2008	0.25	0.155	0.151	-1.3
1470	8.05	2.68	1.74	17.7	0.276	10.6	0.005	8.4591	32.1118	24.3543	1.7891	3.496	3.403	-1.3
1607	8.78	0.86	1.59	8.76	0.025	27.1	0.0134	1.3412	4.342	30.6541	2.055	1.759	1.713	-1.3
1625	7.91	2.43	0.542	20.0	3.19	16.6	0.005	4.3105	47.394	13.1088	1.7568	3.419	3.334	-1.3
1673	8.00	2.75	0.050	11.1	1.33	13.1	0.0304	6.5867	43.4649	9.9842	4.9993	3.362	3.273	-1.3
1788	7.70	2.23	0.065	2.41	5.14	38.6	0.005	4.4178	51.1796	3.0451	2.1672	3.186	3.104	-1.3
1802	7.47	1.58	0.060	10.8	29.6	23.6	0.005	5.919	40.8546	4.4506	2.499	2.853	2.782	-1.3
1811	8.31	3.77	0.135	6.49	0.401	49.5	0.005	0.025	0.105	111.102	1.0163	4.995	4.864	-1.3
1813	8.14	4.57	0.123	7.97	0.307	29.5	0.0637	0.0512	0.8168	120.163	0.25	5.415	5.278	-1.3
1814	8.13	2.68	0.051	27.2	17.3	17.6	0.0299	10.2878	54.8055	8.0904	2.1577	4.097	3.988	-1.3
1852	7.68	2.98	0.095	21.2	5.53	25.5	0.0132	4.7507	58.0062	17.3038	2.2903	4.205	4.095	-1.3
1902	8.17	4.73	0.622	2.89	0.428	45.1	0.091	14.6565	34.331	61.4909	1.7825	5.793	5.641	-1.3
7	8.33	4.41	0.025	109	4.720	29.6	0.2616	8.3232	31.4597	126.935	7.9388	8.174	7.985	-1.2
15	7.76	0.68	1.480	21.9	0.025	451	0.0722	0.0729	1.7363	239.665	0.025	10.761	10.516	-1.2

105	8.38	5.07	2.58	101	0.025	57.0	0.005	0.107	0.2717	206.336	0.6503	9.236	9.01	-1.2
114	8.16	2.5	1.19	2.79	0.025	4.13	0.0433	2.8495	42.7271	6.0989	1.1258	2.728	2.661	-1.2
121	8.14	2.29	0.694	4.50	0.995	7.41	0.005	2.3295	42.77	4.5317	1.4799	2.624	2.56	-1.2
199	8.22	2.03	0.030	8.26	0.967	19.3	0.013	4.362	41.8119	2.5554	2.483	2.684	2.619	-1.2
261	8.29	3.21	0.094	14.6	0.811	12.5	0.0138	4.8613	22.4101	50.4549	3.7585	3.899	3.808	-1.2
524	8.06	3.38	0.561	19.0	29.3	17.9	0.0106	11.1092	55.538	18.8064	6.7105	4.79	4.674	-1.2
582	8.72	3.34	0.108	16.6	0.080	27.4	0.005	2.9221	9.4671	79.235	4.8201	4.385	4.281	-1.2
667	8.07	2.56	0.176	14.6	0.105	17.5	0.5061	1.1831	11.493	57.0365	3.8642	3.349	3.267	-1.2
730	8.27	2.53	2.17	8.00	0.025	13.3	0.0181	4.8746	24.9649	30.4254	4.0048	3.148	3.072	-1.2
779	7.22	0.64	0.077	15.9	11.3	12.5	0.005	4.653	16.8435	4.039	3.8699	1.534	1.498	-1.2
786	8.35	3.62	0.190	6.63	0.025	10.7	0.3244	16.6286	20.3548	33.9899	2.7583	4.041	3.944	-1.2
903	8.26	3.04	1.26	114	1.39	25.0	0.0125	6.1221	17.4696	120.944	2.3799	6.863	6.695	-1.2
953	8.21	2.63	2.90	16.1	0.244	18.3	0.5	4.3193	21.2526	46.7126	2.8104	3.619	3.536	-1.2
981	8.18	2.67	1.55	17.7	0.116	13.8	0.0175	2.0192	10.7391	62.1557	1.8434	3.534	3.452	-1.2
985	8.13	2.24	2.71	15.8	0.340	12.8	0.3947	3.98	15.0431	43.3484	1.9365	3.098	3.026	-1.2
1009	8.52	2.88	0.169	15.9	0.644	14.7	0.1682	0.4367	1.0052	79.2111	1.2211	3.653	3.567	-1.2
1033	8.14	3.60	0.328	13.6	0.025	12.9	0.5002	0.0656	0.4378	93.2697	2.8575	4.272	4.173	-1.2
1226	7.39	0.74	0.083	5.13	12.6	16.7	0.0475	3.5244	16.5692	4.6155	3.4103	1.439	1.406	-1.2
1247	7.07	0.61	0.025	1.86	0.969	4.29	0.0336	1.0204	11.0865	2.0529	0.8687	0.767	0.75	-1.2
1795	8.07	2.04	0.914	1.76	0.025	7.64	0.0249	3.467	34.3092	4.8633	1.5044	2.3	2.247	-1.2
38	8.19	1.57	0.025	11.3	0.025	79.6	0.0449	4.3844	49.4271	11.8923	4.891	3.547	3.47	-1.1
154	8.24	3.12	0.177	25.6	6.89	28.1	0.0424	8.8504	57.642	15.0249	7.2822	4.548	4.444	-1.1
276	8.09	1.90	1.94	12.9	0.025	11.7	0.0159	5.115	33.3768	9.413	2.3124	2.611	2.555	-1.1
341	8.18	3.67	1.44	18.5	37.9	18.3	0.0102	14.076	57.8501	23.2452	3.3517	5.259	5.141	-1.1
379	8.24	0.95	0.025	12.4	18.4	3.76	0.005	1.3887	10.2086	23.2168	0.25	1.676	1.639	-1.1
489	8.28	2.67	0.244	11.6	0.811	4.69	0.005	5.5396	17.0919	38.7369	2.366	3.124	3.053	-1.1

639	8.09	2.53	3.00	11.9	0.025	22.3	0.0121	2.6151	33.9465	32.631	3.0081	3.484	3.404	-1.1
713	8.80	4.61	0.247	19.9	0.127	46.8	0.0443	2.4402	6.4204	123.22	5.4609	6.155	6.02	-1.1
729	8.34	2.11	0.616	8.26	1.50	16.1	0.0564	4.2297	14.4019	33.4328	6.1901	2.738	2.68	-1.1
732	8.21	2.95	0.325	5.79	0.025	19.7	0.6348	4.9882	53.1106	5.8034	5.1763	3.544	3.467	-1.1
757	9.73	2.42	0.025	10.8	0.185	13.1	0.0218	0.0707	0.8652	66.0926	0.25	2.997	2.93	-1.1
801	8.47	3.80	4.60	46.5	0.025	24.1	0.0314	3.0887	10.146	112.495	2.481	5.849	5.716	-1.1
812	8.31	3.14	1.84	14.7	0.025	6.34	0.005	7.2543	14.9969	53.4189	1.1976	3.784	3.698	-1.1
815	8.85	3.89	1.17	35.5	0.324	14.4	0.023	1.9013	4.9604	106.986	3.2515	5.252	5.139	-1.1
834	6.85	0.22	0.149	13.0	27.4	12.7	0.0283	3.2871	8.0164	5.4503	14.1353	1.299	1.27	-1.1
857	7.78	1.58	1.25	22.0	0.025	8.56	0.005	1.2454	6.8866	43.3731	2.204	2.441	2.388	-1.1
972	6.75	0.29	0.422	19.4	6.72	22.3	0.682	2.6936	11.0463	11.8661	3.5382	1.435	1.403	-1.1
977	8.08	2.62	0.222	31.2	0.074	21.6	0.0307	6.3406	41.192	28.0195	3.1378	3.964	3.876	-1.1
991	6.81	0.33	0.252	22.4	1.60	16.1	0.5965	1.7277	12.2832	11.5607	1.1382	1.336	1.308	-1.1
1017	8.13	2.28	1.50	14.6	0.085	6.42	0.005	5.1025	36.5461	12.5614	2.0843	2.906	2.842	-1.1
1039	7.44	1.60	0.283	20.5	0.025	25.2	5.0511	4.6249	33.408	9.2691	1.1735	2.721	2.661	-1.1
1043	7.53	0.89	0.327	8.84	16.1	12.7	0.017	2.6466	18.9547	10.3123	1.2436	1.68	1.644	-1.1
1210	7.79	2.53	0.061	2.31	3.03	8.26	0.0257	3.4886	46.2329	3.1387	0.9537	2.814	2.755	-1.1
1248	7.68	1.03	1.23	5.03	2.28	6.85	0.005	1.6191	21.3246	3.4163	1.3795	1.412	1.381	-1.1
1261	9.17	1.09	1.96	5.85	0.025	8.32	0.005	0.2301	3.9338	29.3788	0.25	1.533	1.499	-1.1
1265	8.10	6.21	0.530	38.1	1.15	62.1	0.6972	9.5927	59.3349	100.86	10.424	8.618	8.426	-1.1
1357	7.99	1.11	0.103	14.5	1.91	57.5	0.2222	3.9281	7.302	43.0099	4.9458	2.751	2.692	-1.1
1386	7.64	0.64	1.04	9.13	0.025	27.7	0.0685	1.0385	19.5659	8.8617	1.8645	1.531	1.497	-1.1
1548	7.62	2.31	0.462	26.2	9.97	49.1	0.0184	8.0804	45.9394	23.5921	7.188	4.258	4.167	-1.1
1554	8.12	2.39	0.081	18.3	0.962	13.4	0.057	6.4294	27.4526	26.2473	3.6669	3.202	3.135	-1.1
1573	8.27	2.96	0.540	68.8	0.025	0.564	0.011	9.0076	7.6248	82.1839	5.0031	4.934	4.823	-1.1
1644	7.58	0.93	0.248	18.4	30.2	19.70	0.005	6.3519	23.4792	11.1023	5.2125	2.359	2.31	-1.1

1661	9.09	8.07	1.39	14.0	0.025	1.58	0.0651	0.3322	0.9867	190.234	1.6345	8.573	8.392	-1.1
1783	8.08	2.14	0.090	7.35	0.847	28.5	0.005	2.6887	46.8995	6.2605	2.599	2.961	2.899	-1.1
1831	7.72	1.36	0.999	4.42	0.070	6.48	0.0637	1.7679	21.8793	8.0591	1.7671	1.671	1.635	-1.1
1833	7.66	1.68	1.01	7.95	8.97	9.03	0.005	2.4418	35.6509	4.6789	2.1113	2.286	2.237	-1.1
58	8.23	2.16	0.025	13.6	0.246	17.8	0.1121	7.0757	36.1622	7.4921	5.7725	2.919	2.863	-1
92	8.28	3.89	0.131	8.76	1.96	25.4	0.005	0.0579	0.2294	104.731	1.6827	4.704	4.613	-1
97	8.61	3.75	0.942	26.8	0.025	15.7	0.0438	1.9816	6.9388	96.7879	2.6845	4.882	4.788	-1
125	8.15	1.66	1.98	5.83	0.169	7.058	0.005	2.7984	31.2123	4.8319	1.5777	2.078	2.038	-1
128	8.27	1.16	3.57	0.767	0.025	13.7	0.0433	1.1083	14.405	18.4697	0.25	1.655	1.621	-1
130	8.24	1.26	0.108	0.753	0.025	29.4	0.0844	2.5256	21.5571	12.6972	0.954	1.899	1.863	-1
385	9.58	3.25	0.025	38.9	12.0	19.3	0.053	0.2488	1.1434	109.102	0.6629	4.942	4.84	-1
388	9.56	5.02	0.025	30.2	0.347	10.0	0.0428	1.148	2.3543	131.241	1.838	6.086	5.967	-1
418	8.27	2.07	0.193	13.5	0.025	7.07	0.0127	2.983	9.4666	40.1275	3.5772	2.607	2.554	-1
470	8.23	2.18	0.909	6.17	2.01	7.82	0.005	3.4595	8.0157	42.1903	1.1568	2.601	2.549	-1
501	8.19	2.47	0.064	8.40	3.51	18.7	0.0233	5.068	29.5616	25.6887	3.2337	3.156	3.092	-1
506	8.27	2.75	0.063	6.69	0.357	9.61	0.036	4.5708	20.9216	36.3186	3.2585	3.143	3.083	-1
586	8.09	3.38	0.060	15.2	0.025	55.9	0.0217	8.8095	73.6541	7.5477	5.7579	4.978	4.875	-1
617	8.96	5.59	0.302	76.2	0.025	51.7	0.1079	1.6967	3.5913	189.281	3.7	8.829	8.647	-1
681	8.07	4.67	0.025	7.17	0.025	29.7	0.3612	7.3504	90.9727	2.8546	4.1966	5.492	5.387	-1
739	8.02	2.90	0.025	5.58	9.67	8.50	0.0161	5.4214	50.7585	5.5526	4.1339	3.395	3.326	-1
787	8.08	3.91	0.058	95.2	21.5	34.9	0.005	0.3249	2.4844	167.153	3.7742	7.672	7.515	-1
798	8.38	2.87	0.975	25.6	0.025	16.6	0.0167	6.5062	18.693	53.305	4.8417	3.986	3.91	-1
802	8.19	4.15	0.631	45.9	6.37	22.6	0.005	23.9932	45.3061	36.5928	4.2037	6.052	5.933	-1
804	8.26	2.93	2.35	9.17	0.448	8.76	0.005	7.4769	24.3465	35.8362	1.7055	3.503	3.432	-1
825	8.22	1.58	0.422	2.26	0.025	27.5	0.0377	5.9968	21.5837	11.0312	5.7227	2.24	2.197	-1
861	8.28	2.08	0.136	8.34	0.937	11.3	0.005	3.7281	23.9071	21.873	2.6281	2.571	2.518	-1

893	7.86	2.08	0.217	14.4	1.12	15.7	1.085	5.3227	30.1862	16.2122	3.9295	2.846	2.788	-1
906	7.53	1.55	0.59	9.59	3.94	15.0	0.0167	3.397	32.4857	6.0339	0.9707	2.231	2.188	-1
1010	8.12	2.09	1.15	16.8	0.390	13.3	0.1128	3.3846	44.0252	7.4765	1.6189	2.905	2.845	-1
1147	8.04	3.04	0.417	21.1	39.3	38.0	0.005	10.972	70.6984	11.7396	1.5543	5.079	4.979	-1
1179	7.19	0.55	0.096	4.22	16.0	6.05	0.071	1.0551	13.3204	5.9879	1.0883	1.063	1.042	-1
1182	8.11	1.26	2.97	1.71	0.025	22.2	0.005	1.3536	29.9834	6.3817	0.25	1.93	1.891	-1
1229	8.23	4.81	0.684	37.8	0.256	29.6	0.3303	12.9787	48.4125	63.9925	4.8095	6.526	6.4	-1
1332	8.25	2.59	0.171	27.4	1.13	24.3	0.0623	5.6937	23.1118	45.772	7.8574	3.89	3.815	-1
1341	8.22	2.13	1.78	1.98	0.800	5.94	0.005	3.7275	37.5958	4.1424	0.25	2.414	2.369	-1
1670	8.02	1.44	1.50	13.1	0.025	162	0.0717	1.9196	81.1325	19.7124	3.6221	5.26	5.157	-1
1734	7.94	4.14	0.171	20.1	34.8	15.6	0.005	14.8543	68.5164	17.4863	3.1423	5.597	5.481	-1
1821	5.41	0.00	0.069	23.5	1.66	8.30	0.0659	1.7497	1.8873	13.2527	1.2306	0.865	0.848	-1
1851	7.76	2.99	0.118	4.35	0.025	21.4	0.0702	3.8179	57.8215	5.8766	1.6631	3.568	3.499	-1
1859	8.10	2.31	0.112	6.00	0.817	32.1	0.0197	2.6313	45.6872	13.1009	1.3736	3.163	3.101	-1
100	8.32	3.06	0.545	32.9	0.309	35.5	0.0128	5.2397	23.8875	68.1037	3.6473	4.759	4.677	-0.9
251	7.37	0.45	0.079	4.97	0.449	6.00	0.2627	0.8322	9.2346	3.4564	0.9793	0.726	0.714	-0.9
337	8.21	2.43	1.71	2.97	4.26	9.66	0.0143	6.2458	37.36	9.2191	1.7089	2.873	2.822	-0.9
345	7.99	1.45	0.585	9.84	37.2	31.3	0.1229	6.0174	40.8877	7.5396	3.4619	3.009	2.955	-0.9
432	7.94	1.35	0.116	12.8	18.8	8.24	0.0146	1.9729	33.0985	6.4569	2.1907	2.189	2.15	-0.9
441	8.06	2.62	0.025	12.2	0.025	17.7	0.005	0.3288	1.362	71.1735	3.1292	3.329	3.27	-0.9
496	8.37	3.76	0.622	52.2	0.633	35.1	0.6065	8.4487	26.5234	84.8985	6.6417	6.004	5.901	-0.9
520	8.39	3.69	0.053	15.9	0.119	10.8	0.0508	7.8623	26.0637	50.4771	5.659	4.363	4.288	-0.9
616	9.06	8.06	0.411	63.7	0.025	4.04	0.02	2.1012	2.7623	215.157	4.9389	9.96	9.792	-0.9
627	6.73	0.09	0.025	0.749	0.714	1.99	0.1323	0.276	1.5837	1.0452	0.25	0.161	0.158	-0.9
651	8.16	2.33	0.162	13.3	2.25	12.6	0.0121	7.8611	33.9361	12.6765	2.6208	3.01	2.958	-0.9
717	8.21	1.72	0.157	4.64	0.549	15.2	0.0464	2.7499	15.5264	25.2742	1.8195	2.189	2.148	-0.9

733	7.92	1.63	0.025	6.44	18.6	11.1	0.0282	2.4971	36.5479	4.4066	3.2636	2.348	2.304	-0.9
735	7.89	0.76	0.025	1.43	0.706	6.56	0.0101	2.2697	12.1603	2.8675	0.624	0.951	0.934	-0.9
784	8.20	3.16	0.136	5.07	4.79	23.5	0.0126	18.3935	34.2809	12.3362	1.9362	3.877	3.81	-0.9
808	8.17	3.48	0.201	7.80	0.025	9.30	0.0523	12.0197	41.356	15.5967	3.762	3.9	3.828	-0.9
809	8.00	2.24	0.785	13.8	0.025	13.6	0.005	4.645	24.8548	28.4696	1.4233	2.951	2.896	-0.9
842	7.95	1.54	0.181	4.30	42.7	14.1	0.0196	1.8395	44.4812	3.6786	2.9084	2.654	2.605	-0.9
896	7.43	0.54	0.092	46.3	20.2	16.9	0.0958	3.1997	25.942	19.7037	2.7026	2.53	2.486	-0.9
988	6.69	0.30	0.025	7.84	12.0	10.6	0.0241	1.3322	9.8619	6.569	1.4178	0.94	0.924	-0.9
1133	8.15	2.63	0.460	2.65	0.085	64.8	0.0212	5.9852	66.3803	4.0609	1.1472	4.083	4.01	-0.9
1152	8.07	3.09	0.051	6.91	0.025	4.53	0.005	5.3098	49.6595	7.7329	3.0165	3.385	3.327	-0.9
1174	7.25	0.61	0.334	17.2	66.3	15.1	0.005	4.2898	33.0015	9.4017	1.5047	2.492	2.446	-0.9
1220	8.28	5.52	0.487	56.6	2.02	46.9	0.0206	38.1679	67.6727	27.0907	12.1975	8.151	8.007	-0.9
1293	6.69	0.20	0.025	7.18	26.1	10.0	0.0273	2.0143	10.5429	5.1753	3.5913	1.029	1.009	-0.9
1655	8.17	2.82	0.897	5.61	2.69	9.79	0.0105	0.0937	0.2461	72.6312	1.2127	3.269	3.209	-0.9
1740	8.65	2.28	0.379	12.6	12.0	19.0	0.005	6.0652	38.9686	14.9647	3.5179	3.239	3.184	-0.9
1741	8.26	3.66	0.141	8.71	0.346	8.20	0.032	2.4175	21.44	61.8422	2.3609	4.09	4.019	-0.9
1768	8.22	2.36	1.64	17.9	2.24	17.5	0.005	3.1391	49.6163	12.2139	0.9146	3.35	3.288	-0.9
1806	8.02	3.28	0.054	11.0	27.9	22.8	0.005	0.025	0.153	101.246	1.0893	4.521	4.44	-0.9
1818	7.99	2.22	1.44	30.3	1.46	12.1	0.0705	3.376	50.3964	11.889	1.9363	3.42	3.36	-0.9
1829	7.48	0.69	0.451	3.98	0.025	4.20	0.0205	0.5939	13.3789	3.946	0.25	0.911	0.895	-0.9
1873	8.08	2.43	0.061	19.5	0.580	14.4	1.2911	6.1624	21.0369	33.4293	6.699	3.287	3.227	-0.9
1884	8.64	3.07	7.96	57.1	0.025	24.3	0.1376	2.2281	4.4108	114.974	3.8535	5.607	5.506	-0.9
118	8.2	1.68	0.170	2.04	0.025	9.60	0.0281	1.9885	29.271	5.492	2.0666	1.947	1.916	-0.8
132	8.18	1.69	0.289	0.914	0.025	4.96	0.005	5.5264	23.337	3.2196	1.7495	1.835	1.804	-0.8
141	7.79	2.03	0.236	14.8	2.27	9.34	0.1877	5.0799	36.9456	5.5898	5.4146	2.692	2.649	-0.8
262	8.28	2.78	0.025	7.36	0.622	15.2	0.0138	5.4878	26.3704	32.1529	3.6863	3.315	3.26	-0.8

364	8.45	1.97	0.025	8.22	0.289	39.8	0.005	8.3422	10.4416	39.8563	1.9446	3.036	2.99	-0.8
366	8.02	1.37	0.154	10.6	3.57	9.67	0.0122	2.7447	23.6826	11.0287	0.7175	1.936	1.905	-0.8
522	8.41	4.30	0.142	38.3	0.123	57.6	0.6372	8.674	43.311	78.9306	5.9888	6.582	6.482	-0.8
613	8.44	2.13	2.57	11.9	1.95	20.3	0.005	2.061	12.1397	50.2207	1.9495	3.054	3.009	-0.8
619	8.21	1.26	2.49	20.2	0.025	8.69	0.018	1.4494	28.7197	12.2026	0.9121	2.141	2.106	-0.8
649	7.45	0.94	0.025	17.9	41.8	25.9	0.0565	4.3373	35.0986	8.6555	5.0215	2.655	2.614	-0.8
654	7.98	2.39	0.025	4.38	9.92	26.8	0.005	3.4335	53.8981	2.5772	3.8025	3.233	3.18	-0.8
900	8.30	1.94	0.98	10.0	2.59	13.0	0.0541	10.857	22.5168	11.4657	1.2663	2.59	2.549	-0.8
951	8.09	2.00	2.35	18.7	0.025	11.6	0.0175	5.6682	25.8434	24.349	1.3246	2.896	2.849	-0.8
1208	7.87	4.30	0.071	11.5	19.1	17.3	0.005	6.8726	82.8669	8.6149	5.4164	5.294	5.212	-0.8
1442	8.19	1.79	0.997	0.665	0.025	19.2	0.02	3.1969	30.9831	9.1683	0.5837	2.26	2.223	-0.8
1453	8.33	3.78	1.07	7.26	0.025	12.0	0.094	2.8298	27.4034	59.0899	2.1219	4.292	4.226	-0.8
1521	8.01	3.63	0.106	17.6	2.71	33.5	0.005	7.0666	73.1637	11.2104	2.8076	4.868	4.79	-0.8
1539	8.15	3.11	0.293	16.2	3.88	29.9	0.0441	10.4353	47.4431	20.7908	2.6675	4.265	4.199	-0.8
1603	6.50	0.17	0.025	1.56	2.45	5.78	0.0134	0.7214	4.5243	1.2123	1.1778	0.374	0.368	-0.8
1792	8.18	2.13	0.504	2.22	0.093	10.8	0.0125	4.5321	36.8501	3.4458	1.7217	2.444	2.405	-0.8
1799	7.94	2.03	0.717	13.1	0.197	8.52	0.0199	2.968	42.8067	3.7762	1.3316	2.621	2.578	-0.8
1803	7.84	2.99	0.084	20.5	4.34	15.4	0.0139	4.9765	61.5264	7.7496	3.0541	3.958	3.894	-0.8
1807	8.19	4.72	0.109	9.43	0.025	8.78	0.0816	0.025	0.0508	116.725	0.25	5.173	5.089	-0.8
1	8.1	2.01	0.378	30.6	0.025	25.1	0.0176	5.9214	25.4253	34.4159	4.5744	3.415	3.369	-0.7
29	8.41	3.84	0.311	70.0	0.723	34.3	0.2753	6.3285	11.3374	119.159	7.4976	6.554	6.469	-0.7
60	8.44	2.79	0.025	14.0	0.025	12.6	0.0315	3.9732	15.8738	49.8317	4.3591	3.448	3.398	-0.7
61	8.23	2.07	0.025	11.1	0.233	5.3	0.0157	2.468	38.3007	6.4631	2.6853	2.498	2.464	-0.7
226	7.11	0.19	0.068	4.86	2.83	16.2	0.1323	0.6909	7.7921	4.5986	2.03	0.713	0.702	-0.7
249	7.96	2.52	0.066	3.21	10.7	10.1	0.0184	7.1082	38.2479	7.7707	4.8129	2.997	2.954	-0.7
349	8.17	2.48	0.171	14.3	8.68	9.40	0.005	8.7583	38.3231	11.6518	1.6893	3.227	3.182	-0.7

431	7.98	1.32	0.073	10.5	0.175	6.84	0.005	2.0556	20.8206	10.7295	2.4918	1.762	1.738	-0.7
487	8.28	2.27	0.351	9.88	0.025	6.20	0.0421	5.8943	18.2637	26.8006	3.6076	2.691	2.655	-0.7
513	7.99	2.18	0.025	17.2	5.16	11.4	0.0508	5.7097	39.8399	9.6601	2.5121	2.987	2.943	-0.7
536	7.88	1.06	0.575	4.89	0.025	114	0.1905	2.2248	57.9821	8.4804	3.7173	3.598	3.546	-0.7
762	7.78	2.38	0.025	6.84	5.27	23.1	0.0318	2.3026	52.3694	6.2788	0.755	3.141	3.095	-0.7
820	7.26	0.58	0.082	9.56	53.4	9.51	0.005	5.4172	20.158	5.7496	7.3497	1.915	1.889	-0.7
1018	8.14	2.16	1.16	11.7	1.01	14.9	0.0192	5.1865	32.1542	16.4397	3.5581	2.879	2.837	-0.7
1191	8.22	2.14	0.091	1.62	0.755	4.74	0.005	3.7529	35.3533	3.0648	2.553	2.302	2.271	-0.7
1258	7.82	1.60	0.135	25.6	10.6	34.1	0.0378	4.9715	38.4903	15.6646	5.8136	3.207	3.16	-0.7
1445	7.99	1.02	0.247	61.8	0.063	20.6	0.005	1.5954	35.5967	27.6895	1.8153	3.203	3.157	-0.7
1472	8.59	4.60	0.848	32.3	0.025	55.5	0.005	3.7741	9.5652	131.852	3.7591	6.705	6.617	-0.7
1545	8.06	2.06	0.233	8.91	1.64	18.5	0.0607	5.0451	23.2751	23.5407	3.6435	2.735	2.695	-0.7
1676	8.09	2.21	0.464	13.4	0.025	18.7	0.4478	9.6974	18.9309	23.0112	7.9599	3.006	2.962	-0.7
1761	8.28	4.07	1.06	7.91	0.684	14.9	0.0104	3.9394	50.761	39.6023	1.1013	4.671	4.606	-0.7
1789	8.15	2.73	1.16	7.68	3.38	16.4	0.005	6.9901	49.2224	6.0429	2.5935	3.404	3.36	-0.7
1812	8.16	2.57	0.440	1.19	0.059	13.8	0.0319	4.0298	46.608	4.0586	1.6521	2.915	2.876	-0.7
1876	8.13	4.70	0.193	35.0	0.744	57.7	0.005	0.3501	1.1888	153.063	2.6363	6.905	6.811	-0.7
32	8.33	3.87	0.185	39.5	10.500	24.2	0.041	12.0049	41.4793	52.2701	10.4994	5.665	5.599	-0.6
35	8.46	5.4	0.302	54.7	4.340	13.8	0.005	12.0879	31.165	105.844	3.221	7.314	7.234	-0.6
43	7.73	0.51	0.975	5.3	0.073	20.3	0.0508	0.405	11.9846	10.8005	0.7525	1.135	1.122	-0.6
94	7.47	0.70	0.153	9.43	0.455	12.4	0.0182	1.8538	16.2595	5.1616	1.3785	1.239	1.224	-0.6
136	7.98	1.6	0.148	2.05	0.495	7.45	0.005	2.6194	26.6963	5.4215	0.8932	1.829	1.806	-0.6
281	9.22	5.44	0.025	17.1	0.286	14.3	0.005	0.6022	1.5443	137.276	2.0699	6.225	6.148	-0.6
328	8.71	3.50	4.03	13.6	0.025	7.99	0.1106	1.1835	2.5974	87.4245	7.0657	4.262	4.213	-0.6
342	8.31	3.24	2.24	18.3	1.79	5.99	0.0143	12.9028	31.3176	29.5188	2.6613	4.027	3.976	-0.6
434	7.93	1.45	0.070	12.3	2.96	7.64	0.005	2.8829	28.192	6.2467	2.6625	2.007	1.983	-0.6

526	8.26	3.86	0.025	10.6	0.431	10.8	0.0106	7.1866	53.2184	22.5359	4.4017	4.392	4.339	-0.6
565	7.06	0.96	0.025	8.37	4.27	16.8	0.0733	2.1361	19.379	9.3684	1.7427	1.616	1.597	-0.6
620	8.45	2.89	1.34	92.1	0.091	20.4	0.0939	3.7615	8.2554	115.197	6.8336	5.981	5.908	-0.6
694	7.87	2.64	0.193	14.1	6.20	11.7	0.03	3.7276	50.2138	11.5697	1.5459	3.395	3.355	-0.6
737	8.17	1.55	0.025	3.64	1.05	12.9	0.0181	2.3128	31.3572	3.6382	0.25	1.941	1.92	-0.6
740	8.24	1.78	0.025	7.57	0.025	16.1	0.0121	5.3175	28.5318	9.6808	0.7412	2.329	2.301	-0.6
848	8.09	1.26	0.310	5.75	5.54	22.2	0.005	1.9722	30.2606	5.4956	2.1283	1.987	1.965	-0.6
948	8.38	2.96	5.78	41.0	0.195	11.9	0.0154	1.4342	5.3334	96.1417	1.6495	4.665	4.607	-0.6
1030	6.94	0.37	0.058	6.68	0.025	16.3	0.0468	1.4678	10.5903	5.2371	0.5955	0.905	0.894	-0.6
1171	7.77	1.52	0.135	8.51	0.084	36.2	0.1022	3.2339	39.9159	5.1708	0.25	2.521	2.492	-0.6
1192	8.06	3.85	0.071	2.44	0.634	4.65	0.0967	8.9163	59.3774	4.8721	2.6101	4.027	3.977	-0.6
1198	8.14	2.00	0.327	3.45	0.025	11.1	0.0375	2.9373	36.5123	4.8027	1.6382	2.344	2.315	-0.6
1199	8.08	2.39	0.297	16.1	0.234	10.8	0.0552	1.5951	48.825	10.2327	1.4784	3.09	3.051	-0.6
1207	8.16	2.94	0.314	7.40	0.025	9.82	0.005	7.8593	41.3258	11.5641	4.4148	3.365	3.324	-0.6
1236	8.13	3.64	0.724	16.9	0.025	26.1	0.7329	6.4539	31.4791	55.098	4.751	4.701	4.645	-0.6
1349	8.56	2.42	0.092	7.67	0.978	9.48	0.0104	1.8993	7.3803	50.4172	3.93	2.854	2.817	-0.6
1383	7.90	1.21	0.236	3.62	0.609	19.7	0.0125	2.99	23.4384	5.0933	3.3373	1.744	1.722	-0.6
1411	7.87	1.69	0.307	18.0	1.44	48.7	0.088	4.0359	44.1918	13.9155	2.4978	3.249	3.208	-0.6
1412	8.21	3.42	0.389	153	1.35	45.9	0.028	6.4058	42.0056	134.658	5.3567	8.726	8.615	-0.6
1431	7.11	0.69	0.192	64.8	7.97	15.2	0.034	4.1609	26.162	28.0382	2.7526	2.971	2.938	-0.6
1433	7.85	0.93	0.060	12.0	0.458	4.56	0.036	2.1662	7.3565	18.111	0.7592	1.37	1.353	-0.6
1506	8.02	2.90	0.516	14.8	0.025	23.7	0.1525	5.756	59.6803	7.2153	0.9909	3.841	3.795	-0.6
1541	8.13	2.00	0.138	3.01	0.234	10.1	0.005	5.4627	30.0513	6.0393	2.4984	2.301	2.275	-0.6
1551	7.93	2.67	0.295	15.7	12.5	21.5	0.005	9.4922	47.2917	12.0072	2.704	3.775	3.731	-0.6
1580	7.07	0.32	0.054	2.90	0.733	1.49	0.0184	0.8223	4.8378	2.5551	0.9291	0.45	0.444	-0.6
1690	7.78	1.60	0.025	16.0	2.08	7.66	0.0261	1.9369	30.99	11.3899	0.7645	2.249	2.221	-0.6

1694	7.95	1.57	0.025	13.4	1.53	7.33	0.1152	1.4786	31.7614	8.4128	0.8486	2.124	2.097	-0.6
1738	7.96	2.57	0.262	7.10	3.92	23.8	0.005	7.3125	31.7342	23.5537	3.6504	3.342	3.302	-0.6
1798	8.12	3.47	0.571	11.3	0.025	24.9	0.0916	12.7676	51.2701	14.2225	2.0612	4.336	4.282	-0.6
1846	8.20	2.64	2.87	16.3	0.025	24.0	0.0114	5.2421	41.2337	27.6694	0.6885	3.75	3.709	-0.6
1865	8.55	3.65	0.071	13.1	0.025	5.63	0.0197	3.9752	5.4388	75.5023	8.3677	4.143	4.096	-0.6
1875	8.24	2.64	0.164	5.14	0.025	12.7	0.005	0.2532	1.529	67.1645	0.25	3.058	3.024	-0.6
59	8.23	2.35	0.025	22.4	0.505	9.3	0.0118	10.2182	24.7888	21.2976	5.9138	3.184	3.155	-0.5
117	8.02	1.58	0.572	2.54	0.808	10.0	0.1493	2.0609	26.7844	7.3454	2.167	1.903	1.886	-0.5
120	8.22	1.62	0.199	1.95	1.11	11.9	0.026	2.0183	29.732	5.5019	1.6993	1.951	1.933	-0.5
354	7.91	1.06	0.025	9.34	2.84	22.2	0.0122	1.8332	24.958	9.4906	0.25	1.832	1.815	-0.5
402	7.27	3.09	0.025	12.6	0.654	20.1	0.0244	8.1738	53.9155	9.3544	2.5907	3.875	3.836	-0.5
405	7.87	2.11	0.025	11.4	1.05	12.6	0.0122	2.3747	39.9467	10.9194	0.7684	2.712	2.683	-0.5
561	7.09	0.32	0.0781	2.44	1.05	1.23	0.005	0.6914	3.7612	3.137	1.7681	0.431	0.426	-0.5
623	8.46	3.87	4.77	62.7	0.151	39.2	0.1278	1.1637	10.2888	137.533	1.5961	6.706	6.634	-0.5
641	8.19	2.42	2.52	14.2	0.025	12.8	0.103	7.2004	38.0821	13.5812	3.955	3.217	3.187	-0.5
743	7.90	1.75	0.122	174	1.08	60.5	0.2023	10.9543	44.1017	104.946	7.0442	7.933	7.851	-0.5
763	8.22	2.36	1.19	6.54	0.025	29.5	0.0298	4.336	32.6831	26.5548	1.6635	3.216	3.185	-0.5
773	8.06	2.60	0.177	2.94	0.025	39.8	1.7434	3.564	59.1255	3.5803	1.0528	3.521	3.487	-0.5
828	7.55	0.28	0.025	0.666	0.481	3.05	0.005	0.6358	3.274	2.8627	0.9644	0.369	0.365	-0.5
843	8.08	2.66	0.087	2.63	1.44	9.90	0.9826	1.3904	52.1924	2.3827	3.2643	2.972	2.94	-0.5
918	8.40	2.78	0.562	11.7	0.999	17.1	0.0175	1.6132	4.4981	68.7206	4.966	3.506	3.473	-0.5
924	8.18	2.88	3.80	23.7	0.288	20.1	0.6974	5.3684	12.2342	66.6408	5.8222	4.169	4.123	-0.5
929	8.10	2.52	0.566	10.5	0.191	14.5	0.4803	3.7573	11.2305	49.4442	3.11	3.148	3.116	-0.5
957	7.74	1.50	0.152	10.1	0.025	9.40	1.6162	3.3077	25.5211	7.1098	2.2438	1.989	1.97	-0.5
971	6.64	0.26	0.310	37.5	3.52	24.2	0.0526	3.5991	13.0141	19.8873	2.3521	1.89	1.872	-0.5
1124	8.23	2.99	0.104	1.75	0.101	3.51	0.005	2.4024	54.7002	3.581	0.25	3.12	3.088	-0.5

1206	8.00	2.02	0.189	1.29	0.443	11.1	0.0395	1.8916	38.6714	3.484	1.5104	2.3	2.276	-0.5
1310	6.89	0.30	0.164	9.26	0.179	11.7	0.2121	1.833	7.2518	6.0695	0.9828	0.817	0.809	-0.5
1440	8.24	1.55	3.92	1.84	0.025	11.4	0.172	1.3635	16.2151	24.5617	1.1055	2.044	2.023	-0.5
1452	7.83	2.12	0.129	5.89	0.247	14.2	0.072	2.1299	43.1436	4.9288	0.9274	2.595	2.568	-0.5
1540	8.12	4.17	0.214	15.5	0.025	13.5	0.005	15.902	51.872	19.719	3.784	4.902	4.85	-0.5
1570	8.16	2.07	3.03	4.40	0.025	20.6	0.046	3.8275	44.1956	4.1379	2.3078	2.786	2.76	-0.5
1595	8.50	2.34	0.570	11.5	0.174	15.0	0.0625	3.3954	10.4285	46.7217	5.7409	3.01	2.98	-0.5
1601	8.03	1.43	0.025	14.1	0.131	7.50	0.0288	1.951	26.8261	10.1308	1.1655	1.99	1.97	-0.5
1615	8.66	3.52	0.272	17.4	0.025	8.55	0.2228	0.6835	0.8181	91.1067	3.9005	4.204	4.166	-0.5
1618	8.02	3.31	0.226	18.6	0.135	10.2	0.4514	2.5628	17.0801	66.0331	2.8114	4.063	4.022	-0.5
1683	8.20	2.50	0.025	13.2	1.21	17.3	0.0457	10.7415	31.2288	15.128	4.5845	3.249	3.218	-0.5
1686	7.74	1.38	0.099	6.11	1.25	13.0	0.0587	1.7034	26.7989	6.0759	3.5489	1.851	1.834	-0.5
1745	7.89	2.44	0.251	7.62	0.025	56.4	0.0987	10.4585	40.762	18.9699	3.1651	3.841	3.803	-0.5
1791	7.57	2.34	0.194	2.86	4.94	16.7	0.0125	3.2902	47.3141	3.3184	1.9444	2.856	2.825	-0.5
1809	8.16	3.29	0.152	6.51	0.025	9.63	0.7069	6.4819	52.7209	9.0675	2.585	3.684	3.649	-0.5
1861	8.24	3.16	0.071	17.0	0.331	14.3	0.0132	7.9703	41.7991	23.7645	5.4158	3.949	3.913	-0.5
10	8.75	2.16	0.068	15.7	0.025	52.8	0.005	2.1547	5.7969	71.0784	4.6962	3.705	3.677	-0.4
65	9.83	2.25	0.025	12.3	0.331	3.3	0.005	21.5653	3.765	10.3844	9.2975	2.672	2.652	-0.4
115	8.15	1.57	1.80	0.853	0.060	12.2	0.005	0.7801	34.0694	3.0925	1.2289	1.944	1.929	-0.4
273	7.86	1.23	0.025	14.3	0.349	6.98	0.0114	1.254	26.4981	7.3625	0.7766	1.78	1.765	-0.4
289	8.18	3.7	0.512	2.73	0.025	19.5	0.0398	6.5267	34.9657	43.2708	0.6428	4.21	4.18	-0.4
326	8.07	2.41	3.08	12.2	0.192	5.3	0.8296	3.5818	12.3153	45.5052	3.5255	3.029	3.007	-0.4
355	8.04	1.21	0.025	22.7	1.392	6.92	0.005	1.1032	17.6548	23.4867	0.25	2.017	1.999	-0.4
376	8.06	0.97	0.025	16.1	5.91	8.6	0.005	1.6843	19.3711	13.2099	0.25	1.699	1.686	-0.4
439	9.04	3.16	0.077	9.30	0.025	11.5	0.005	0.8358	3.6258	76.8095	1.7767	3.666	3.635	-0.4
483	8.20	2.05	0.273	4.5	1.37	4.84	0.005	3.4095	33.3831	7.7003	0.5784	2.312	2.295	-0.4

531	8.14	2.10	0.089	11.0	7.59	11.9	0.0254	2.4224	43.4484	8.2582	1.2647	2.782	2.759	-0.4
570	7.78	1.69	0.053	12.2	0.025	7.92	0.0129	5.6914	15.4809	19.7512	3.3707	2.202	2.186	-0.4
585	8.07	3.03	0.236	24.6	2.14	42.3	0.0118	0.025	0.2474	105.31	0.6495	4.651	4.61	-0.4
648	8.89	3.66	0.094	16.6	0.025	26.6	0.0363	0.7222	1.9348	101.081	4.0148	4.691	4.655	-0.4
650	8.71	3.99	0.295	137	0.547	57.5	0.0727	2.7857	8.1219	190.291	2.9507	9.066	8.986	-0.4
749	8.20	5.41	0.336	17.5	1.15	42.9	0.0715	12.8625	44.7262	77.6663	4.2881	6.83	6.778	-0.4
782	8.13	2.35	0.079	10.8	7.89	32.2	0.005	2.1982	60.8631	3.415	2.6797	3.459	3.434	-0.4
852	7.93	2.24	0.52	3.86	1.10	25.5	0.1133	2.4827	46.9271	6.1378	3.5723	2.929	2.907	-0.4
855	8.12	2.84	1.71	6.80	2.85	13.9	0.0174	10.9351	38.8845	12.6091	1.6183	3.455	3.43	-0.4
876	7.13	0.32	0.306	1.02	15.0	18.9	0.0104	1.8331	13.4394	2.437	2.4834	0.998	0.991	-0.4
883	8.06	1.74	0.025	13.5	0.025	12.8	0.0125	3.1217	26.0784	16.6606	3.3481	2.388	2.368	-0.4
921	8.04	2.02	0.542	14.4	0.413	10.3	0.3596	4.1382	11.2736	37.1557	4.6915	2.674	2.651	-0.4
1183	8.05	2.41	0.894	5.11	0.688	8.77	0.005	4.3935	42.9205	4.9221	2.2565	2.796	2.774	-0.4
1225	8.23	2.14	0.165	4.81	1.32	15.4	0.0372	4.9626	33.027	10.8134	2.9263	2.625	2.602	-0.4
1235	7.84	2.31	0.163	18.3	4.21	23.6	0.005	7.1572	37.9105	18.7168	2.6815	3.392	3.362	-0.4
1288	7.29	0.64	0.280	10.8	26.1	7.69	0.005	2.0978	20.528	5.4894	3.7806	1.544	1.532	-0.4
1482	8.18	2.65	1.85	11.4	3.35	20.0	0.005	4.3032	52.9078	10.6047	1.9642	3.534	3.504	-0.4
1484	8.10	2.12	1.96	14.3	0.521	11.6	0.005	3.7842	41.8777	9.4164	1.7165	2.875	2.854	-0.4
1565	8.20	2.50	0.079	7.85	0.025	25.5	0.0864	4.7739	48.4736	8.5584	1.9898	3.26	3.237	-0.4
1569	8.14	1.38	1.88	4.26	0.025	46.5	0.0184	1.5326	39.5411	9.3479	1.6718	2.57	2.548	-0.4
1586	8.20	2.18	2.04	16.9	0.268	10.7	0.005	4.7559	31.3794	22.3507	1.329	2.989	2.962	-0.4
1608	8.80	2.73	0.063	17.8	0.084	7.48	0.0807	0.8689	3.1334	70.0934	3.3042	3.393	3.363	-0.4
1614	8.10	1.26	0.425	11.8	0.066	5.74	0.0134	1.943	19.9504	12.2873	1.2024	1.733	1.72	-0.4
1617	8.21	1.59	0.159	12.7	0.131	6.25	0.005	2.1423	28.1124	10.9279	0.6135	2.084	2.069	-0.4
1626	8.09	3.16	0.136	5.16	0.025	10.8	0.005	0.025	0.0556	80.5135	0.25	3.539	3.512	-0.4
1700	7.60	1.07	0.057	13.4	3.44	8.83	0.0565	1.9023	18.4473	11.2829	4.0775	1.686	1.674	-0.4

1711	8.13	3.26	0.678	12.8	10.0	12.6	0.005	12.6489	33.9468	27.0961	5.321	4.082	4.049	-0.4
1742	8.08	3.04	0.390	34.8	0.755	22.7	0.0192	4.7	22.6022	66.6388	2.7199	4.521	4.482	-0.4
1785	7.87	2.17	0.275	60.8	6.04	32.3	0.0374	3.191	62.9445	26.3947	3.2151	4.666	4.633	-0.4
1787	7.18	0.59	0.079	1.87	1.11	7.25	0.005	1.6667	11.3833	1.8275	1.0534	0.818	0.811	-0.4
1794	8.28	2.93	0.457	1.75	0.025	17.2	0.0478	12.5938	26.8611	19.4997	4.1584	3.362	3.332	-0.4
1845	8.13	2.20	0.287	23.4	0.198	13.9	0.005	3.0836	45.5983	12.3482	3.0006	3.168	3.142	-0.4
1867	8.41	2.56	0.548	12.3	0.025	15.4	0.0438	6.4286	16.6615	38.8531	6.9929	3.257	3.23	-0.4
1906	8.14	2.01	2.31	0.812	0.025	3.24	0.4283	3.0251	33.003	5.0442	2.7286	2.219	2.199	-0.4
51	8.33	4.33	0.096	32.5	0.025	12.7	0.0354	3.0004	19.1005	94.2501	7.1553	5.515	5.482	-0.3
101	7.98	3.18	0.051	26.0	24.9	15.9	0.0134	16.8215	44.6436	21.3115	3.289	4.651	4.622	-0.3
102	7.90	2.26	0.416	8.34	0.383	8.86	0.005	3.859	30.9789	18.0592	1.6994	2.707	2.692	-0.3
138	8.18	2.42	1.66	6.02	2.08	16.8	0.005	2.8629	50.5359	5.6413	1.5014	3.06	3.04	-0.3
296	8	1.51	0.475	7.6	10.5	15.1	0.005	2.749	31.3428	8.9387	1.6581	2.232	2.221	-0.3
327	8.56	1.89	2.84	12.7	0.025	6.4	0.0307	2.1636	3.7636	45.2055	7.1122	2.531	2.514	-0.3
462	8.14	2.62	0.025	12.5	14.7	17.4	0.005	2.4111	58.6176	8.2833	2.838	3.576	3.555	-0.3
479	7.39	2.20	1.22	5.55	3.76	16.8	0.005	6.5492	38.0262	8.5632	0.25	2.832	2.814	-0.3
688	8.20	2.99	0.060	18.5	0.218	27.4	0.005	6.9284	48.5626	21.2778	5.4254	4.083	4.056	-0.3
692	8.12	2.83	0.025	12.7	0.436	21.0	0.01	5.0557	41.1777	23.3451	4.7958	3.631	3.608	-0.3
706	8.19	2.88	0.071	7.99	4.11	38.1	0.0161	3.822	58.1611	11.8068	8.483	3.971	3.946	-0.3
721	8.48	2.55	0.025	5.92	0.025	11.8	0.0423	3.6182	13.8372	43.8828	1.7812	2.96	2.943	-0.3
726	8.84	3.21	0.475	4.52	0.025	2.98	0.1048	0.3528	2.4987	73.7774	1.7143	3.428	3.409	-0.3
759	8.41	2.60	0.958	15.5	0.025	9.87	0.0218	6.8389	15.135	41.0474	6.5268	3.292	3.27	-0.3
764	8.23	2.13	0.740	7.42	0.025	8.12	0.0516	3.3438	36.752	9.2332	0.7095	2.546	2.53	-0.3
795	8.88	4.34	0.545	29.3	0.067	22.8	0.1298	1.2114	1.9174	122.64	4.0123	5.666	5.635	-0.3
833	7.64	2.10	0.060	14.3	0.025	16.9	1.1874	2.3846	44.248	8.3937	1.0376	2.856	2.837	-0.3
840	7.43	0.38	0.802	6.04	2.99	10.5	0.0806	0.6268	11.1863	5.2453	0.5983	0.861	0.856	-0.3

939	8.02	1.52	2.27	67.7	0.025	14.1	0.1338	2.9371	14.736	63.9935	2.2589	3.843	3.822	-0.3
1042	7.63	1.28	0.280	69.2	7.13	27.0	0.005	6.8122	41.5043	28.5623	1.0309	3.923	3.899	-0.3
1303	7.37	1.09	0.137	3.71	4.44	20.7	0.0126	3.053	24.3527	4.0608	1.9863	1.706	1.694	-0.3
1342	8.18	1.41	2.84	17.2	0.025	81.4	0.0208	1.214	27.4209	50.8148	1.6295	3.741	3.719	-0.3
1353	8.17	3.09	0.697	16.0	0.025	6.55	0.0228	4.6239	17.0118	52.7385	6.5231	3.715	3.69	-0.3
1406	7.97	2.20	0.173	12.3	22.8	11.8	0.06	6.2041	42.4903	10.5406	2.0725	3.165	3.143	-0.3
1460	7.98	1.27	0.156	20.4	0.025	31.2	0.005	5.1324	26.5585	13.8232	5.5706	2.504	2.491	-0.3
1547	8.24	3.91	2.13	11.6	1.43	18.8	0.005	8.1372	32.2494	53.6845	4.9525	4.767	4.739	-0.3
1609	8.54	2.16	1.13	12.2	0.025	5.62	0.0442	2.6246	9.4299	44.0018	2.4787	2.683	2.664	-0.3
1612	9.00	2.58	1.11	12.7	0.025	8.11	0.0231	0.9585	4.0211	64.0595	3.2746	3.168	3.149	-0.3
1619	8.13	2.84	0.349	4.25	0.084	14.9	0.005	5.546	36.8698	20.9872	2.5576	3.292	3.273	-0.3
1621	7.97	2.39	0.128	4.89	1.54	10.7	0.0307	4.709	37.9053	9.3524	3.1958	2.785	2.768	-0.3
1657	8.02	3.26	0.120	5.10	0.400	21.1	0.021	14.5975	42.6625	9.9667	2.4781	3.853	3.827	-0.3
1659	8.12	4.97	0.468	6.81	0.025	12.3	0.0147	3.0345	22.6313	90.5984	3.7741	5.443	5.415	-0.3
1660	8.01	2.61	0.059	1.26	0.186	16.5	0.0273	2.7513	51.9352	2.3884	1.9342	2.992	2.971	-0.3
1674	9.31	3.79	0.173	112	0.025	11.3	0.1065	2.5832	1.4135	153.778	6.6938	7.185	7.144	-0.3
1692	8.08	3.76	0.025	16.7	8.27	8.28	0.005	0.025	0.1436	103.077	0.713	4.538	4.509	-0.3
1772	8.19	3.07	1.28	12.6	11.0	11.0	0.005	5.303	56.5879	12.9639	1.924	3.897	3.872	-0.3
1805	8.07	3.63	0.155	1.23	0.025	18.1	0.4978	5.6972	66.9783	3.9247	1.2769	4.051	4.031	-0.3
1820	7.77	1.56	0.292	13.1	6.36	7.03	0.0114	3.7551	30.0742	7.2787	2.0281	2.19	2.178	-0.3
1874	8.27	2.61	0.249	2.98	0.025	3.84	0.1243	6.2792	29.418	15.6566	4.0265	2.788	2.772	-0.3
1898	8.38	7.40	0.323	163	0.220	26.2	0.0533	5.1629	14.85	258.211	3.8362	12.56	12.492	-0.3
12	8.96	2.6	0.702	9.2	0.025	6.6	0.0664	1.1179	0.75	65.3503	1.9759	3.034	3.024	-0.2
17	7.08	0.39	0.097	8.0	8.550	15.2	0.0215	1.3751	12.268	6.642	2.1573	1.075	1.07	-0.2
66	8.09	1.38	0.025	12.3	1.410	10.8	0.0334	13.0344	9.3239	7.6689	3.7356	1.975	1.968	-0.2
200	8.04	1.26	0.025	3.01	2.83	8.72	0.005	0.9625	27.316	2.0621	1.4352	1.574	1.568	-0.2

263	8.28	1.83	0.252	10.5	2.27	16.7	0.0115	2.0689	7.7697	42.7682	3.7989	2.523	2.515	-0.2
285	7.98	1.43	1.82	148	0.025	37.3	0.0298	1.8827	58.6177	77.1455	0.25	6.471	6.44	-0.2
457	7.81	2.65	2.62	35.9	0.259	30.8	0.4713	1.8517	3.8884	91.3334	3.5753	4.44	4.426	-0.2
474	8.23	2.65	1.54	4.80	3.73	5.15	0.005	7.5914	42.755	5.5685	0.7604	3.031	3.019	-0.2
528	8.24	2.36	0.025	7.18	1.78	8.45	0.005	3.7973	39.0626	9.8562	2.6386	2.768	2.757	-0.2
622	8.48	3.43	1.35	62.3	0.025	24.7	0.1598	3.033	7.4275	113.492	7.1744	5.77	5.744	-0.2
629	8.19	2.62	0.117	5.55	0.025	9.45	0.005	2.389	43.6809	11.7121	3.2605	2.978	2.968	-0.2
751	8.16	3.23	1.03	29.2	9.33	27.0	0.0179	11.3497	63.2762	10.2986	9.9377	4.814	4.793	-0.2
754	8.21	3.12	0.129	9.80	0.449	26.2	0.0198	6.3301	57.8214	11.4055	1.5844	3.956	3.942	-0.2
824	7.30	0.20	0.025	0.406	0.459	3.06	0.005	0.6719	3.3801	0.8323	0.8025	0.282	0.281	-0.2
826	8.25	1.59	0.025	1.45	1.98	8.27	0.005	8.5239	18.6976	3.2527	1.8675	1.832	1.823	-0.2
841	7.77	1.41	2.33	29.4	8.22	180	0.005	2.2989	98.1913	24.865	1.8177	6.237	6.214	-0.2
864	8.41	3.51	0.611	19.6	10.3	17.1	0.005	3.5443	15.047	78.9659	4.8851	4.616	4.601	-0.2
1011	8.13	2.15	1.49	2.11	0.025	16.8	0.1277	2.9684	40.6556	7.0643	1.5338	2.635	2.623	-0.2
1019	7.40	0.64	0.960	7.49	0.733	11.8	0.1043	0.9553	15.8321	6.0122	0.9934	1.164	1.159	-0.2
1035	7.17	0.74	0.066	8.70	6.71	19.1	0.0617	3.5301	17.7249	5.3433	2.9576	1.49	1.485	-0.2
1190	7.93	1.17	0.153	3.57	0.101	54.5	0.0197	2.8403	34.1549	10.0806	1.2868	2.417	2.409	-0.2
1352	8.25	3.96	0.025	22.4	2.90	24.0	0.0166	7.1897	39.9606	54.5889	6.2697	5.137	5.119	-0.2
1356	7.53	0.58	0.229	11.1	1.33	10.7	0.0457	2.4885	5.4777	13.3928	3.3895	1.153	1.149	-0.2
1388	7.44	0.60	0.077	3.03	4.57	6.30	0.0104	1.1617	11.518	3.8401	2.1204	0.896	0.892	-0.2
1415	8.16	2.89	0.453	21.1	0.025	11.7	0.074	3.8786	26.8353	45.8093	3.2818	3.748	3.736	-0.2
1424	7.41	0.52	0.776	1.62	0.025	20.5	0.71	2.1743	10.579	6.0852	1.2044	1.032	1.027	-0.2
1454	7.79	2.13	0.070	7.88	3.01	11.5	0.044	6.6357	30.1875	10.064	5.6238	2.646	2.635	-0.2
1487	7.84	1.86	0.311	10.8	1.94	9.39	0.1661	4.5872	32.7417	5.4515	5.5574	2.407	2.396	-0.2
1562	8.23	2.95	0.445	15.5	1.62	12.7	0.005	4.2314	22.2695	47.2774	6.4359	3.696	3.679	-0.2
1576	8.16	2.40	0.025	9.96	2.99	16.3	0.046	3.3593	50.3748	4.8986	2.2184	3.072	3.06	-0.2

1652	7.61	2.17	0.954	16.3	0.025	15.7	0.1344	6.3735	20.5579	30.3137	4.7065	3.002	2.993	-0.2
1664	7.97	1.62	0.025	12.3	1.32	2.30	0.0651	3.8565	6.8346	29.5162	3.1358	2.032	2.024	-0.2
1669	8.05	2.22	0.311	5.45	0.025	13.6	0.005	3.2404	40.3651	6.567	3.8905	2.678	2.665	-0.2
1695	8.62	3.76	0.098	30.9	0.025	25.7	0.0304	5.8214	15.4822	86.2741	5.8316	5.174	5.153	-0.2
1714	8.05	4.02	0.245	15.9	3.86	12.8	0.005	11.5902	66.9211	10.5609	1.6844	4.81	4.794	-0.2
1721	8.16	2.69	2.12	7.44	1.60	7.83	0.005	12.1967	37.0175	6.2948	2.3388	3.195	3.184	-0.2
1749	8.00	2.64	0.095	11.3	7.67	20.4	0.005	4.6807	55.9793	5.0705	4.1051	3.514	3.503	-0.2
1756	8.00	2.57	0.228	17.8	5.37	7.55	0.0104	1.9249	55.9096	7.8281	1.0202	3.329	3.314	-0.2
1810	7.93	5.25	0.025	5.73	12.0	17.2	0.005	3.3092	68.7784	49.2785	3.742	5.959	5.941	-0.2
1826	8.17	1.75	1.82	5.27	0.025	20.9	0.0591	2.4166	36.5964	8.2703	1.4544	2.434	2.423	-0.2
1868	8.30	2.17	1.32	28.7	0.025	10.8	0.1491	0.7631	3.093	68.2325	2.8629	3.277	3.262	-0.2
1881	8.23	2.76	0.210	11.4	0.025	7.37	0.0355	0.025	0.0365	74.0086	0.25	3.245	3.229	-0.2
1892	7.82	3.29	0.333	19.1	3.21	27.9	0.005	7.1775	68.7555	8.9028	2.2584	4.481	4.465	-0.2
36	8.33	2.1	0.025	12.6	0.025	11.6	0.0566	4.3479	17.1591	31.0091	5.067	2.698	2.694	-0.1
37	8.03	2.2	0.025	13.4	2.750	12.9	0.2304	5.2126	36.837	11.3752	4.6502	2.892	2.888	-0.1
91	7.97	3.11	0.052	6.81	13.4	25.0	0.093	3.354	64.4014	11.6382	1.4427	4.041	4.034	-0.1
104	8.08	3.33	0.397	12.7	2.40	8.65	0.0114	6.1914	48.8501	20.9408	2.3902	3.927	3.918	-0.1
112	7.44	0.96	0.353	1.49	0.694	6.40	0.0606	2.2336	15.28	3.7445	2.0322	1.165	1.163	-0.1
338	8.08	2.46	2.46	7.98	0.202	14.2	0.0102	4.811	32.8905	23.4354	1.9513	3.113	3.106	-0.1
437	7.99	1.84	0.079	12.2	2.48	9.09	0.0481	6.1943	29.1666	8.0251	3.9122	2.418	2.415	-0.1
468	8.16	2.19	0.171	8.53	0.152	30.0	0.3113	1.7724	7.6698	56.7358	2.2548	3.07	3.064	-0.1
473	8.17	2.22	1.84	4.47	2.54	8.81	0.005	5.9508	38.4364	5.6829	0.25	2.665	2.66	-0.1
645	8.53	6.65	0.399	13.2	0.254	3.51	0.0242	10.1329	10.0327	125.506	12.3505	7.121	7.108	-0.1
683	8.22	3.70	0.089	13.8	0.159	11.2	0.012	10.0457	36.2849	35.6189	5.0802	4.327	4.316	-0.1
700	8.21	2.45	0.025	7.22	0.025	13.4	0.0101	3.7946	45.1971	8.0217	0.5451	2.933	2.93	-0.1
704	8.29	2.89	0.099	6.58	2.18	13.0	0.005	8.6515	37.3701	14.7581	6.2738	3.385	3.378	-0.1

745	8.22	2.12	0.070	4.93	0.311	22.7	0.01	3.0756	41.1723	8.8061	1.8887	2.743	2.738	-0.1
849	8.32	2.44	2.12	2.38	0.256	9.20	0.0566	5.9106	36.2678	11.6466	0.25	2.813	2.81	-0.1
854	8.26	3.68	0.178	10.9	0.201	11.5	0.0109	10.5982	30.1654	39.9876	4.4862	4.24	4.231	-0.1
862	8.67	3.03	0.275	27.5	0.025	12.1	0.0392	0.4247	3.3978	88.4357	0.5706	4.07	4.065	-0.1
931	8.30	3.86	0.881	200	0.096	26.1	0.2039	8.3784	33.3399	174.115	5.029	10.084	10.059	-0.1
1038	7.19	0.62	0.096	7.57	24.5	19.6	0.1107	2.4846	18.3054	10.2858	2.7749	1.641	1.64	-0.1
1194	7.97	1.63	0.025	2.81	1.07	4.49	0.0296	1.1426	32.1774	1.9087	1.2389	1.819	1.815	-0.1
1257	8.15	2.73	0.954	11.9	0.025	11.7	0.1449	7.4359	41.7335	13.9228	2.0226	3.363	3.356	-0.1
1274	7.40	0.75	0.025	4.72	3.39	10.2	0.0735	2.3605	13.1191	5.5274	2.0718	1.147	1.145	-0.1
1289	8.10	1.66	1.20	18.5	4.80	6.86	0.005	2.9817	35.3014	9.4486	1.618	2.463	2.458	-0.1
1336	8.06	2.42	0.077	13.6	0.817	16.4	0.0976	5.8044	41.4529	8.2001	9.8081	3.162	3.156	-0.1
1439	8.38	1.14	3.23	2.80	0.025	9.51	0.024	0.7604	19.0798	12.6655	0.7469	1.588	1.585	-0.1
1543	8.14	2.64	0.200	4.16	0.025	11.2	0.0294	5.3863	38.0708	13.1032	3.3442	3.001	2.998	-0.1
1581	8.12	4.02	0.068	4.86	4.57	43.6	0.005	7.487	81.0751	8.0388	4.7075	5.142	5.13	-0.1
1622	7.93	2.53	0.120	9.33	1.44	25.6	0.1729	3.1208	54.1678	5.8146	5.0536	3.356	3.347	-0.1
1710	8.11	2.93	0.253	5.27	0.106	11.3	0.0213	6.0073	26.7947	32.1418	3.5124	3.329	3.319	-0.1
1732	8.14	2.85	2.02	12.0	20.3	10.8	0.005	10.6858	40.358	20.7917	1.6347	3.845	3.838	-0.1
1733	8.12	2.65	2.22	11.8	11.8	12.7	0.005	10.3815	38.1922	17.2198	1.1901	3.549	3.539	-0.1
1744	8.08	2.52	0.130	0.637	0.025	8.95	0.7379	5.8485	39.6366	4.3196	2.0331	2.73	2.724	-0.1
1824	7.96	1.71	0.766	18.8	0.061	14.5	0.0364	3.3965	32.0543	14.8715	2.1342	2.584	2.581	-0.1
1848	7.93	1.84	0.417	4.61	0.025	40.2	0.0482	1.1754	47.0715	7.69	1.6376	2.828	2.822	-0.1
16	8.14	2.95	0.025	22.2	8.190	8.1	0.0664	9.0259	48.1243	15.174	2.6715	3.877	3.874	0
48	8.22	2.48	0.025	26.8	0.025	29.5	0.005	2.0636	15.0397	66.4885	1.597	3.851	3.852	0
135	8.24	1.78	1.41	1.63	0.025	2.27	0.005	3.2374	24.1444	10.8389	0.25	1.948	1.948	0
145	8.00	1.30	0.025	20.5	5.35	17.2	0.005	0.025	0.0612	53.061	0.25	2.32	2.319	0
333	8.32	2.71	2.10	16.2	0.84	11.7	0.005	0.1267	0.2456	80.1917	1.0087	3.534	3.535	0

350	8.23	4.18	1.02	12.9	7.35	6.53	0.005	17.8488	41.9991	26.5228	5.2148	4.852	4.85	0
359	8.4	1.35	0.025	9.62	4.70	5.40	0.005	4.2863	14.9818	15.8572	0.8163	1.81	1.811	0
435	8.18	2.45	0.097	11.5	0.025	7.16	0.0731	6.4574	34.1849	14.8144	1.8996	2.932	2.932	0
461	8.17	2.52	0.061	7.61	1.35	22.6	0.0197	6.9181	46.4387	6.2272	2.785	3.231	3.228	0
463	7.68	2.47	0.075	8.70	0.025	13.1	0.005	6.0266	43.323	5.7534	3.1587	2.989	2.988	0
467	8.10	1.53	0.025	9.98	8.60	13.5	0.0438	3.922	22.9431	17.1673	0.7221	2.235	2.234	0
515	8.31	3.36	0.173	15.3	0.061	16.3	0.0127	4.2201	21.1854	59.4706	5.8004	4.139	4.138	0
518	8.36	4.93	0.059	11.9	0.025	12.9	0.1926	6.5597	35.6975	71.9011	3.4966	5.54	5.543	0
549	8.16	1.60	0.025	3.31	1.21	7.89	0.005	3.8732	26.3432	4.4633	1.9057	1.877	1.876	0
607	8.13	2.15	0.447	54.6	0.025	35.2	0.0205	5.687	41.4627	42.9074	1.7918	4.445	4.448	0
610	8.09	2.85	1.09	1.05	0.025	11.8	0.0164	1.7579	4.7993	63.9339	0.6467	3.183	3.181	0
643	7.95	3.19	1.27	23.7	0.025	20.5	0.1979	3.252	69.1067	13.4462	1.5041	4.347	4.345	0
747	7.63	1.99	0.077	16.6	0.025	25.0	0.8098	2.6267	48.5926	6.7516	0.8174	2.983	2.983	0
758	7.87	1.08	0.087	8.52	4.54	21.4	0.0298	2.8035	18.4847	14.8077	1.5556	1.838	1.837	0
785	8.40	4.78	0.431	1.08	0.025	0.05	0.5483	5.7702	7.3153	90.7254	1.3963	4.838	4.84	0
791	8.65	5.25	0.713	1.62	0.025	2.76	0.005	5.5535	8.2583	103.353	0.8466	5.387	5.384	0
799	7.40	0.69	0.241	6.358	3.63	5.90	0.1046	1.8793	11.7154	5.2863	3.6147	1.066	1.065	0
814	8.04	1.65	1.43	5.28	0.559	6.10	0.005	5.2988	20.8529	11.9587	0.6135	2.012	2.012	0
821	7.35	0.94	0.091	4.14	14.8	6.46	0.0188	5.0862	15.5468	3.9587	2.8491	1.438	1.44	0
923	8.32	2.44	0.681	6.85	0.025	4.75	0.0197	2.0837	9.3757	47.669	2.0725	2.764	2.765	0
1169	7.65	1.36	0.069	5.91	15.5	16.0	0.0143	2.0589	31.7477	7.4709	1.6061	2.118	2.119	0
1202	8.23	2.14	0.372	12.2	0.025	9.65	0.0138	4.5076	35.816	11.535	1.5629	2.7	2.699	0
1213	8.73	6.45	0.384	24.5	0.359	55.6	0.0178	1.0114	5.2676	182.446	1.9735	8.327	8.33	0
1232	7.78	1.49	0.210	12.6	20.6	15.9	0.0227	6.3337	22.5532	18.3906	2.9263	2.519	2.521	0
1449	8.24	3.57	0.163	5.37	0.059	12.8	0.068	10.0282	33.1499	32.8639	3.3412	3.998	3.995	0
1522	8.25	2.69	0.259	11.9	13.3	26.1	0.005	0.3591	1.8323	83.1018	2.4334	3.799	3.796	0

1531	8.16	1.44	3.37	4.90	0.025	12.6	0.005	2.0947	22.4848	15.4951	2.136	2.021	2.022	0
1566	8.26	3.22	0.115	13.5	0.959	20.8	0.0625	8.0552	58.9895	6.8407	5.8726	4.055	4.055	0
1649	7.86	1.24	0.278	16.1	7.47	13.2	0.005	1.8148	23.9178	16.2216	1.9335	2.099	2.097	0
1691	8.02	2.21	0.025	13.9	3.90	6.66	0.0109	0.025	0.1113	64.0652	0.5314	2.805	2.807	0
1704	8.13	3.63	0.548	7.11	0.367	9.39	0.005	16.6052	36.6116	18.42	2.7944	4.064	4.065	0
1716	8.14	2.74	0.998	4.42	0.696	5.50	0.005	8.8148	28.6635	19.0724	2.3858	3.044	3.046	0
1748	8.05	2.91	0.056	6.40	0.025	30.7	0.2338	2.5297	67.2757	2.6562	1.7244	3.728	3.732	0
1778	8.23	3.33	0.176	3.90	0.025	26.4	0.2911	4.4259	65.0462	6.8484	3.2147	4.002	3.999	0
1780	8.20	2.68	0.673	3.11	4.22	7.67	0.0104	1.9974	51.8283	5.0844	2.2243	3.026	3.028	0
1801	7.76	2.01	0.357	2.43	0.553	6.96	0.2091	3.3369	34.8005	4.3126	1.6678	2.249	2.248	0
1827	7.94	0.58	5.99	21.8	0.025	76.5	0.005	0.804	26.4715	38.9266	0.743	3.098	3.098	0
1830	7.98	1.18	1.39	90.6	6.27	11.0	0.025	8.2732	54.3411	15.3933	2.8514	4.131	4.134	0
1856	6.90	0.57	0.072	9.67	44.9	18.6	0.011	4.3344	25.2104	3.7381	7.2229	1.961	1.962	0
1869	8.97	4.09	2.05	29.5	0.411	29.7	0.0964	1.3066	2.0721	122.71	4.0814	5.649	5.654	0
1877	7.32	0.59	0.025	11.4	1.56	4.07	0.0178	1.037	14.0966	5.104	0.5192	1.024	1.024	0
11	8.12	4.38	0.025	6.1	2.870	19.7	0.005	5.4496	85.2034	6.6924	1.3777	5.01	5.024	0.1
62	9.01	3.99	0.025	10.1	0.025	8.3	0.0118	0.4484	1.3704	98.2038	3.1564	4.448	4.456	0.1
103	8.21	4.45	0.253	25.6	0.222	47.7	0.0134	10.7593	90.5253	16.2889	3.2283	6.176	6.192	0.1
197	8.19	1.50	1.01	1.01	0.025	9.40	0.005	1.106	29.1814	4.5198	1.4106	1.775	1.779	0.1
356	7.74	1.21	0.025	20.2	13.5	14.3	0.005	1.6456	22.358	24.0485	0.25	2.297	2.303	0.1
422	8.22	2.13	0.316	9.23	0.025	29.3	0.0506	6.6943	34.233	14.5156	5.2078	3.018	3.024	0.1
424	8.23	2.22	0.025	8.34	0.174	24.0	0.0717	8.8217	32.6248	12.0602	3.5525	2.963	2.971	0.1
460	8.07	1.40	0.058	7.45	0.025	15.7	0.011	2.9361	28.0458	5.1253	3.0425	1.937	1.941	0.1
550	8.16	1.86	0.025	5.04	1.85	6.97	0.0259	3.583	32.8046	4.762	1.8293	2.181	2.186	0.1
555	7.38	0.26	0.025	0.719	0.258	2.35	0.005	0.478	4.0323	1.6217	0.7592	0.33	0.331	0.1
593	6.44	0.07	0.025	1.37	0.885	3.31	0.0246	0.4508	2.082	1.0445	0.25	0.193	0.194	0.1

701	8.18	2.47	0.065	7.52	0.87	21.0	0.0121	6.127	43.3146	8.004	5.1739	3.137	3.145	0.1
736	8.30	1.79	0.234	5.40	0.025	20.3	0.005	3.3046	19.5586	25.005	2.0681	2.381	2.388	0.1
792	7.51	0.43	0.025	0.876	1.05	5.12	0.005	2.5231	6.5742	0.9321	0.25	0.582	0.583	0.1
827	7.75	0.82	0.025	3.09	4.28	14.7	0.005	2.495	18.1807	3.2161	1.3939	1.285	1.288	0.1
837	8.23	2.30	0.083	10.3	0.975	6.45	0.005	4.5223	40.8359	7.311	0.9947	2.749	2.752	0.1
839	8.20	2.58	0.073	9.59	8.95	7.85	0.0109	6.7027	41.3012	9.1759	6.0364	3.158	3.165	0.1
850	8.16	1.87	1.79	6.02	2.67	17.6	0.005	3.1523	36.1114	10.8225	0.5781	2.54	2.546	0.1
873	8.24	2.47	0.063	6.65	0.025	5.77	0.005	2.6374	46.1499	5.2814	1.3934	2.78	2.784	0.1
1063	7.47	1.47	0.905	9.93	0.420	10.7	0.005	2.4415	28.3276	8.5922	1.7712	2.029	2.033	0.1
1184	8.21	2.33	1.33	2.31	0.025	6.35	0.3512	6.9506	28.7548	12.5144	1.3872	2.595	2.598	0.1
1193	8.27	2.61	0.025	1.28	0.090	3.99	0.005	0.025	0.2833	62.2332	0.648	2.735	2.739	0.1
1254	7.32	0.38	1.68	1.77	0.847	7.96	0.0147	0.9694	9.7276	2.8843	0.25	0.695	0.697	0.1
1262	7.92	1.26	0.025	5.95	0.145	8.41	0.005	0.7882	27.1657	4.3284	0.25	1.611	1.615	0.1
1334	8.25	2.27	2.69	19.4	0.025	9.90	0.0395	4.5654	28.1619	30.6787	2.311	3.166	3.175	0.1
1377	8.20	1.79	0.204	4.87	0.025	16.8	0.0187	4.415	25.8647	12.156	4.1441	2.284	2.289	0.1
1414	7.80	2.65	0.359	16.6	0.025	11.4	0.356	5.234	29.5125	24.9576	14.8708	3.377	3.381	0.1
1430	8.54	1.83	0.125	8.29	0.025	6.69	0.04	3.0355	8.107	35.2175	1.1945	2.212	2.217	0.1
1474	8.14	2.34	0.150	1.93	5.83	9.96	0.0134	1.1717	49.4921	2.7018	1.1052	2.704	2.711	0.1
1501	8.23	1.17	3.25	1.01	0.025	14.9	0.0528	1.132	14.8302	19.3246	0.25	1.679	1.681	0.1
1563	8.23	1.78	1.08	7.99	0.025	9.74	0.0257	2.3373	22.0218	21.1827	2.0039	2.261	2.264	0.1
1602	8.00	1.93	0.143	4.19	0.099	15.1	0.0134	3.4117	33.21	9.3061	1.0768	2.367	2.37	0.1
1610	8.26	1.25	0.123	12.3	0.025	18.7	0.0499	4.9322	14.7886	17.178	4.0705	1.994	1.996	0.1
1611	7.27	0.39	0.229	13.2	0.244	6.75	0.0576	1.66	6.2561	9.5287	2.0771	0.916	0.918	0.1
1613	8.18	1.54	0.604	12.6	0.811	9.63	0.005	4.2069	20.8888	15.5391	3.3485	2.145	2.15	0.1
1680	8.02	2.72	0.097	43.3	0.054	17.5	0.1348	5.3956	16.8062	66.6635	4.9559	4.307	4.312	0.1
1701	7.97	1.30	0.065	9.55	0.025	10.4	0.0935	1.7164	22.6106	10.3806	2.6054	1.787	1.79	0.1

1718	8.03	2.28	0.167	5.06	0.503	6.51	0.0128	5.3108	34.198	9.1891	1.4055	2.574	2.579	0.1
1725	8.20	2.42	0.889	11.1	4.72	11.2	0.005	8.817	29.7935	18.1021	3.7167	3.091	3.094	0.1
1731	8.27	2.84	2.84	19.1	0.435	11.2	0.005	8.5341	22.6245	43.3185	2.3664	3.77	3.775	0.1
1746	8.22	1.44	0.555	0.685	0.025	10.3	0.0129	1.818	20.8965	10.4054	2.3724	1.703	1.705	0.1
1767	7.98	2.51	0.135	13.0	24.9	27.2	0.0187	3.4934	63.7852	7.3095	2.6438	3.847	3.855	0.1
1782	7.23	0.19	0.025	5.58	0.205	2.27	0.0499	1.0651	3.8556	2.3532	0.5391	0.397	0.398	0.1
1793	7.63	1.28	0.953	5.86	5.70	9.56	0.0125	2.5571	27.0093	4.3427	1.7299	1.787	1.791	0.1
1882	7.47	0.43	0.061	1.99	0.388	11.2	0.0266	0.8829	10.54	2.0105	1.5114	0.724	0.725	0.1
1885	7.83	2.56	2.41	9.27	0.025	15.3	0.3684	3.8838	28.5538	33.772	1.7594	3.265	3.27	0.1
9	8.02	1.01	0.199	9.0	0.025	45.8	0.0137	1.5917	18.2755	26.9836	0.8986	2.228	2.239	0.2
22	8.06	1.73	0.025	9.6	1.280	4.9	0.005	3.3657	29.9401	7.4559	1.44	2.123	2.131	0.2
24	8.27	3.16	1.100	32.4	0.387	22.3	0.0469	1.3244	3.6162	97.4843	3.6189	4.601	4.622	0.2
57	7.93	1.63	0.239	10.9	10.700	15.5	0.0157	1.3631	38.0445	9.479	1.3274	2.445	2.456	0.2
89	8.46	1.91	0.606	148	0.823	47.0	0.1279	7.6241	9.7495	135.546	4.7832	7.102	7.134	0.2
286	8.04	2.73	0.440	3.28	0.204	23.0	0.0119	3.0514	57.6891	3.9418	1.6372	3.328	3.342	0.2
347	8.15	2.54	0.640	11.6	8.33	12.8	0.005	9.5639	36.2248	15.0895	2.6001	3.301	3.317	0.2
406	8.20	2.86	1.81	12.5	1.69	9.47	0.0325	8.5744	25.9845	32.1481	5.6363	3.532	3.545	0.2
472	7.32	2.08	1.09	3.3	0.870	11.5	0.005	5.4199	36.2362	4.8334	1.1119	2.48	2.492	0.2
562	7.93	1.39	0.025	5.64	10.8	7.51	0.005	1.6282	30.6472	3.8825	2.0841	1.877	1.885	0.2
611	8.07	2.67	1.95	2.02	1.04	5.42	0.005	8.5059	39.2868	6.4455	1.1011	2.959	2.968	0.2
642	8.20	2.71	0.058	25.1	0.025	15.9	0.005	7.9444	47.6608	14.508	4.0148	3.75	3.765	0.2
664	8.85	2.93	0.920	24.7	2.04	24.6	0.0673	1.9104	9.3454	81.1086	3.1303	4.218	4.232	0.2
675	7.15	0.15	0.025	0.524	0.378	2.41	0.0184	0.3369	3.0629	0.5385	0.6769	0.221	0.222	0.2
684	8.24	3.59	0.130	17.8	0.025	10.6	0.005	5.9801	37.6046	42.0927	5.2941	4.319	4.333	0.2
709	8.31	3.17	0.064	9.02	0.615	42.0	0.6872	11.4818	38.8245	29.9246	4.8512	4.313	4.331	0.2
727	8.20	3.78	0.075	6.59	0.025	11.7	0.0101	0.2901	2.9241	92.7236	1.1955	4.216	4.232	0.2

755	8.23	3.90	0.025	16.1	0.025	19.3	0.3732	9.5324	27.1708	52.1309	13.7296	4.752	4.771	0.2
769	6.84	0.09	0.025	0.996	0.281	2.92	0.005	0.2407	2.2329	0.9797	0.25	0.18	0.18	0.2
780	7.96	3.52	0.123	20.3	3.25	64.0	1.7957	2.5391	98.9338	5.397	2.4736	5.48	5.506	0.2
805	7.42	1.35	0.792	9.41	0.951	8.29	0.005	3.3534	28.4603	3.2036	0.7509	1.846	1.854	0.2
860	8.26	2.39	0.540	106	3.93	13.8	0.037	1.0657	4.2379	122.496	6.1171	5.755	5.783	0.2
881	7.89	1.13	0.692	6.60	10.1	12.9	0.0354	0.9433	28.3123	5.9436	1.6728	1.784	1.792	0.2
922	8.13	2.55	0.226	9.22	0.266	8.11	0.0504	7.1878	32.6242	15.2746	5.0088	2.999	3.013	0.2
943	8.41	2.44	3.79	8.98	0.088	9.48	0.0175	1.8984	8.4361	56.3495	2.8784	3.09	3.101	0.2
946	8.12	1.69	2.13	17.6	0.025	14.3	1.2193	2.1503	8.3452	44.0018	2.3017	2.598	2.609	0.2
1004	8.26	3.02	0.885	30.0	0.131	21.9	0.0298	3.1017	13.6825	76.6337	4.4014	4.37	4.383	0.2
1016	7.49	1.00	0.761	11.7	1.42	8.05	0.0319	2.2653	18.6659	9.278	1.744	1.559	1.567	0.2
1029	7.80	1.75	0.429	10.6	9.53	15.8	0.1107	3.9442	39.6923	4.9199	1.8416	2.557	2.569	0.2
1031	7.74	1.41	0.099	3.53	0.164	7.27	0.2831	3.5117	24.7295	2.8834	0.7131	1.669	1.676	0.2
1044	7.83	1.47	0.070	44.4	10.3	17.2	0.0106	4.795	38.8264	20.1795	2.0168	3.248	3.26	0.2
1109	8.17	4.26	0.025	10.1	4.82	36.3	0.005	20.9866	68.4363	5.1595	1.22	5.374	5.396	0.2
1158	8.03	2.26	1.52	19.7	0.083	7.46	0.1166	3.2962	42.1335	14.7887	1.6351	3.05	3.062	0.2
1196	8.06	2.69	0.089	5.03	14.1	6.35	0.0118	5.7205	46.9287	5.8193	5.5715	3.196	3.207	0.2
1201	8.05	3.21	1.08	12.8	0.073	6.53	0.0691	2.9886	56.3335	14.6535	3.1987	3.763	3.777	0.2
1330	8.41	4.36	1.00	127	0.025	54.4	0.5108	5.2486	9.3682	183.037	11.0014	9.125	9.157	0.2
1340	8.24	2.13	1.44	2.15	0.025	5.80	0.0104	3.412	35.8527	7.1979	0.6476	2.388	2.399	0.2
1382	7.74	1.20	0.086	2.96	0.465	8.64	0.108	1.3414	23.6385	3.0856	2.2144	1.478	1.484	0.2
1384	8.26	1.37	0.223	3.82	0.025	15.7	0.0125	2.6055	16.8858	15.706	3.2955	1.815	1.824	0.2
1419	8.31	3.06	1.14	42.9	0.278	22.8	0.128	4.1105	11.1265	86.6219	6.257	4.809	4.824	0.2
1483	7.51	1.12	0.659	13.5	29.2	21.4	0.1173	3.6249	31.3124	11.3598	3.971	2.45	2.46	0.2
1508	8.19	2.06	0.098	1.33	0.025	16.4	0.041	1.8512	39.3265	5.9238	3.0051	2.439	2.45	0.2
1523	8.25	3.23	2.96	22.3	0.025	24.4	0.2461	6.2982	18.7864	68.0415	4.8346	4.526	4.546	0.2

1524	8.21	2.34	0.355	0.971	0.025	2.44	0.0858	4.9157	33.577	7.1646	2.0072	2.437	2.445	0.2
1529	7.81	1.11	2.27	2.27	0.451	8.23	0.005	1.5008	21.1174	6.6237	0.6195	1.474	1.481	0.2
1530	8.07	1.84	2.22	2.39	2.07	3.74	0.0172	3.9306	31.3631	4.6328	2.0617	2.133	2.143	0.2
1538	7.99	3.55	0.185	4.97	1.87	6.95	0.005	9.9784	51.3115	8.004	6.4541	3.875	3.894	0.2
1577	8.15	2.17	0.116	8.02	1.68	17.5	0.011	2.1629	46.1825	4.8898	4.1187	2.789	2.8	0.2
1634	6.35	0.05	0.025	7.24	4.03	4.53	0.0505	0.807	2.0792	5.4445	0.25	0.413	0.415	0.2
1672	7.09	0.50	0.025	33.1	9.87	7.10	0.0217	2.3454	12.9746	18.8864	3.4269	1.741	1.75	0.2
1678	7.77	1.67	0.192	9.17	3.78	12.0	0.013	4.185	19.8559	18.0875	5.3545	2.249	2.259	0.2
1687	8.23	1.92	0.025	7.34	0.025	13.6	0.0478	4.5158	32.344	8.2182	3.0636	2.412	2.422	0.2
1693	8.24	2.53	0.388	16.0	1.77	104	0.0304	10.0778	27.8007	64.5002	7.339	5.189	5.209	0.2
1712	7.88	2.26	0.136	5.49	8.34	6.21	0.005	10.8766	28.8324	8.0071	0.8477	2.69	2.703	0.2
1723	7.96	2.62	0.486	5.66	1.80	7.57	0.0363	2.9469	51.4095	3.9988	0.856	2.994	3.004	0.2
1753	8.32	2.68	1.95	12.8	2.03	8.28	0.005	4.9317	35.7324	25.9715	1.6128	3.345	3.359	0.2
1758	8.38	2.90	3.03	25.5	0.140	9.40	0.005	1.178	17.5852	68.5429	1.353	3.975	3.989	0.2
1905	7.60	2.62	0.073	6.04	1.01	15.1	0.3862	6.0238	45.5613	6.1878	3.5304	3.126	3.141	0.2
1907	7.15	0.19	0.025	4.16	14.9	6.14	0.051	1.801	7.6297	1.8846	2.4459	0.672	0.675	0.2
1908	8.00	5.27	0.459	20.8	0.025	45.1	0.005	0.2004	1.1109	155.691	0.25	6.822	6.848	0.2
2	8.19	1.79	0.025	23.9	0.079	14.3	0.005	3.7161	33.4877	17.0742	2.4225	2.763	2.781	0.3
46	8	4.31	0.025	13.0	0.025	1.4	1.5658	9.3742	29.5824	50.91	8.7292	4.708	4.74	0.3
64	8.92	7.59	0.259	39.1	0.025	14.0	0.059	1.4952	1.796	200.022	5.7697	8.997	9.059	0.3
131	8.15	1.69	0.466	1.10	0.025	4.09	0.005	2.7323	22.8628	9.7261	2.093	1.831	1.842	0.3
330	7.86	1.61	1.05	41.3	1.64	16.60	0.1311	3.4614	21.0166	40.874	4.0372	3.201	3.218	0.3
339	8.12	3.03	1.77	6.91	2.32	5.47	0.0102	8.4842	40.9388	16.3177	1.6697	3.469	3.493	0.3
370	8.22	1.37	0.268	6.35	0.025	11.4	0.0367	4.9184	21.2772	7.7709	0.25	1.801	1.812	0.3
381	8.2	0.89	0.058	6.36	0.025	9.03	0.106	3.3687	14.4015	6.0541	0.25	1.261	1.269	0.3
421	8.22	2.13	0.356	5.70	0.025	14.5	0.1982	7.9257	25.432	12.8838	5.5384	2.615	2.63	0.3

443	9.09	3.35	0.394	11.5	0.025	7.03	0.0272	0.5664	1.7475	84.2022	2.5621	3.839	3.861	0.3
448	8.15	3.98	0.025	13.6	0.025	36.7	0.2361	16.0437	60.2988	14.922	6.5471	5.125	5.153	0.3
459	8.10	2.71	0.065	10.2	2.75	12.7	0.1206	2.9768	53.7029	7.2104	3.4794	3.307	3.33	0.3
579	8.89	3.82	0.199	47.4	0.065	35.7	0.0296	3.7721	9.2519	116.176	4.9	5.91	5.949	0.3
587	8.85	2.84	0.251	6.57	0.430	13.2	0.005	3.0401	8.0955	60.528	1.9193	3.316	3.335	0.3
612	8.01	3.89	0.066	1.74	5.37	21.4	0.3819	4.5098	69.2984	13.9857	2.165	4.474	4.505	0.3
652	8.30	2.05	0.127	32.7	0.025	16.7	0.0121	3.4325	22.5507	43.7949	1.3319	3.324	3.346	0.3
677	7.77	0.76	0.118	3.84	1.12	6.05	0.0714	1.5596	13.2092	4.3001	1.8691	1.018	1.024	0.3
687	8.21	2.55	3.02	23.2	0.186	12.9	0.2063	6.6024	20.2349	45.4217	4.9806	3.637	3.662	0.3
703	8.64	2.63	3.94	7.81	0.03	14.5	0.005	4.7178	9.429	56.7518	2.3646	3.363	3.387	0.3
707	8.03	1.67	0.323	469	1.03	85.8	0.005	26.4622	54.1485	268.293	9.853	16.701	16.796	0.3
838	8.21	2.51	0.025	13.1	0.609	5.04	0.005	3.2299	47.8713	7.7194	0.9063	2.992	3.012	0.3
856	7.60	1.32	1.21	2.15	4.96	6.03	0.0109	2.1131	26.6754	3.0874	0.8483	1.652	1.661	0.3
920	8.06	1.61	0.350	8.52	0.025	11.2	0.1557	3.5325	26.9084	10.136	1.4404	2.104	2.116	0.3
1002	7.64	2.14	0.364	12.6	0.124	31.5	0.5407	5.9471	43.1249	9.7674	4.4089	3.176	3.197	0.3
1154	7.42	0.87	0.052	2.62	6.38	17.1	0.0102	1.955	21.4213	3.3211	1.5916	1.406	1.415	0.3
1410	8.11	3.07	0.399	8.95	0.025	10.7	0.178	4.522	49.3038	15.6302	2.4954	3.562	3.581	0.3
1443	7.71	1.06	0.619	1.11	0.252	9.57	0.005	1.0125	23.6471	1.4691	0.25	1.325	1.333	0.3
1494	7.42	0.45	0.071	5.59	6.16	3.94	0.005	1.98	9.4438	2.4986	1.9917	0.789	0.794	0.3
1517	8.02	2.50	0.853	8.37	1.85	8.21	0.0534	3.6577	47.8543	5.2028	3.3552	2.982	3.002	0.3
1520	8.15	2.89	0.106	3.29	1.40	13.0	0.005	3.441	55.7581	3.7479	2.7481	3.277	3.298	0.3
1544	8.07	2.65	0.102	13.1	0.025	23.2	1.5496	9.202	30.8405	23.9237	5.486	3.508	3.532	0.3
1557	8.08	1.02	3.65	6.14	0.025	9.81	0.0239	0.6843	15.6637	17.3103	0.25	1.589	1.597	0.3
1582	8.24	2.69	0.110	1.54	1.93	25.7	0.005	18.3994	30.3981	4.2154	4.4168	3.305	3.327	0.3
1627	8.09	4.04	1.17	9.69	0.025	8.03	0.9278	10.3069	40.8268	34.9785	4.8368	4.538	4.562	0.3
1653	8.16	3.99	1.37	15.5	0.537	18.4	0.1197	1.9421	3.8397	102.213	4.7343	4.894	4.921	0.3

1663	8.24	1.89	2.63	2.46	0.025	3.74	0.0105	3.8927	29.4008	8.4185	1.3265	2.173	2.187	0.3
1702	6.94	0.69	0.057	9.00	0.688	5.88	0.2326	1.4591	13.4393	5.9505	1.2634	1.082	1.09	0.3
1713	8.32	3.69	1.14	12.6	4.75	7.73	0.0149	6.6567	12.3379	71.1767	4.476	4.343	4.373	0.3
1719	8.18	4.09	0.655	8.89	13.7	10.2	0.005	21.4724	33.0805	30.3571	3.9928	4.808	4.839	0.3
1728	8.24	2.47	0.171	4.92	0.902	7.07	0.0256	3.7805	18.3807	35.9559	0.25	2.781	2.799	0.3
1729	8.06	2.37	0.421	5.13	9.31	6.19	0.0427	6.1359	33.5447	13.6713	2.4272	2.82	2.836	0.3
1844	8.24	2.42	0.811	45.0	5.74	21.3	0.0409	4.1549	15.124	70.1874	5.7717	4.27	4.297	0.3
1847	8.42	1.47	0.119	26.2	0.025	6.51	0.0159	0.9959	11.2943	39.2645	0.25	2.345	2.359	0.3
1855	8.25	1.83	0.279	5.83	0.025	88.8	0.0132	0.7658	9.9646	75.5196	1.4644	3.862	3.881	0.3
1887	7.89	2.55	2.61	20.2	0.025	16.0	0.8322	5.9709	18.771	46.9172	4.2486	3.588	3.606	0.3
1900	7.63	5.51	0.387	32.5	0.887	24.2	0.005	0.1211	0.4249	158.715	2.5469	6.962	6.997	0.3
5	7.52	0.9	0.025	12.1	0.276	6.2	0.005	2.2641	16.9965	7.7157	0.6334	1.375	1.386	0.4
34	7.99	2.27	0.025	4.9	0.434	8.0	0.0722	1.6484	32.0708	19.3175	0.9798	2.583	2.603	0.4
42	8.35	2.87	0.494	6.5	0.025	12.2	0.0293	4.03	49.088	12.5638	1.1585	3.333	3.357	0.4
56	8.16	1.57	0.063	8.4	0.069	18.1	0.0197	2.6301	25.9133	13.9282	3.55	2.188	2.206	0.4
68	8.02	1.41	0.902	8.5	0.025	672	0.5271	7.2258	286.419	18.264	4.6446	15.681	15.812	0.4
129	8.24	1.55	0.289	1.25	0.025	25.9	0.0238	0.025	0.0229	49.412	0.25	2.14	2.159	0.4
180	8.05	1.86	0.446	13.8	0.853	17.1	0.2212	3.8238	32.7189	14.002	3.9681	2.642	2.665	0.4
195	7.77	1.19	0.500	4.54	0.991	5.28	0.0347	3.0287	20.0864	3.428	3.176	1.47	1.483	0.4
252	7.69	1.12	0.093	5.00	3.14	8.86	0.0599	1.6366	22.7904	4.2647	2.1522	1.501	1.514	0.4
284	8.12	1.99	0.742	8.28	0.025	27.0	0.4552	5.0338	40.604	8.1711	1.1807	2.82	2.841	0.4
383	8.07	0.85	0.530	6.06	0.099	9.71	0.0306	1.3927	15.5358	8.3776	0.25	1.252	1.261	0.4
456	7.97	3.26	3.05	24.6	0.270	40.1	1.1048	3.9091	17.1142	84.4408	4.2646	4.951	4.995	0.4
502	8.30	3.80	0.025	6.81	0.616	10.5	0.0741	4.8768	57.3539	21.6299	1.9789	4.22	4.256	0.4
511	8.18	2.78	0.207	26.2	0.025	30.9	0.1524	4.4496	6.6069	78.3121	3.8735	4.175	4.205	0.4
666	7.80	1.29	0.080	11.5	0.025	11.5	0.0408	3.2303	18.113	13.8311	4.0257	1.861	1.875	0.4

702	8.16	3.16	0.051	6.51	3.98	26.6	0.0161	10.0921	53.33	7.7709	6.5128	3.964	3.995	0.4
823	7.59	0.44	0.025	2.52	2.71	7.12	0.005	1.4059	9.5704	1.6521	1.7252	0.703	0.709	0.4
831	8.08	3.25	0.086	4.91	0.025	12.5	0.0959	5.7472	59.7019	4.2261	1.6208	3.649	3.679	0.4
832	7.92	2.89	0.082	6.54	0.055	24.4	0.6427	4.4345	56.7176	7.9755	2.151	3.591	3.619	0.4
960	7.94	1.54	1.48	7.64	0.332	6.44	1.6952	1.4488	3.8243	35.8338	2.1027	1.968	1.983	0.4
967	6.98	0.52	2.95	19.6	0.025	11.7	0.2018	1.3884	4.1362	25.8271	1.2843	1.473	1.484	0.4
1108	8.20	3.21	0.445	12.0	0.025	34.1	0.2848	7.592	58.5823	16.445	1.617	4.282	4.313	0.4
1172	8.19	3.86	0.680	13.4	0.025	24.7	0.0184	0.025	0.1582	110.571	0.25	4.783	4.824	0.4
1188	8.23	2.29	0.961	21.0	0.025	78.2	0.0572	3.1198	29.735	65.2465	0.8556	4.562	4.601	0.4
1189	8.00	1.72	0.025	1.31	1.13	2.80	0.0612	0.4506	35.0591	1.3292	0.25	1.836	1.852	0.4
1350	8.44	3.43	0.141	11.0	0.025	12.1	0.0125	4.1057	17.0912	62.8493	4.3974	4	4.036	0.4
1405	8.02	2.80	0.175	22.0	20.4	18.7	0.024	6.5652	33.6111	43.3453	2.8292	4.143	4.175	0.4
1407	8.13	2.72	0.160	6.48	2.39	7.55	0.098	4.5906	45.5481	10.2591	1.333	3.107	3.133	0.4
1408	7.99	2.42	0.119	7.50	0.849	5.25	0.014	4.1811	31.777	18.8476	1.1178	2.758	2.778	0.4
1418	8.24	4.16	0.069	24.7	15.2	21.1	0.005	13.3078	42.3068	53.4853	2.3569	5.546	5.591	0.4
1516	7.97	1.81	1.27	16.6	0.025	12.5	0.9252	3.9747	37.4389	7.1759	3.6377	2.61	2.633	0.4
1528	8.10	1.17	2.66	0.854	0.025	8.12	0.0362	1.1938	22.4515	6.6488	0.25	1.502	1.515	0.4
1550	7.97	3.03	0.449	24.3	15.2	37.1	0.0239	16.6804	45.1582	24.0699	4.5621	4.753	4.789	0.4
1564	7.81	1.08	0.112	7.69	0.091	12.3	0.4007	2.0902	22.2092	5.731	1.3012	1.563	1.577	0.4
1604	7.85	3.22	0.103	8.05	3.47	103	0.0538	8.3938	35.1974	68.3335	10.8612	5.655	5.697	0.4
1620	8.29	4.05	0.391	32.0	1.37	15.5	0.0115	6.6959	23.4414	80.8946	4.716	5.315	5.358	0.4
1623	6.75	0.47	0.126	6.11	6.46	24.3	0.0538	2.4512	15.3085	5.4359	2.5108	1.259	1.268	0.4
1633	8.04	1.57	0.139	10.5	18.6	24.8	0.2002	2.3331	39.2708	11.8639	1.3918	2.685	2.709	0.4
1677	7.47	1.44	0.065	8.16	0.765	7.36	0.0739	3.8067	20.9505	9.6115	2.6976	1.834	1.848	0.4
1689	7.04	0.20	0.025	6.82	0.456	10.1	0.1283	1.1241	6.3932	3.6005	1.5318	0.607	0.612	0.4
1705	7.85	3.33	0.451	18.2	1.30	22.7	0.721	17.8311	45.1929	13.8899	2.0019	4.363	4.403	0.4

1751	8.10	2.05	0.056	6.76	29.4	27.8	0.005	3.1341	56.353	4.4275	2.403	3.294	3.323	0.4
1752	8.22	1.67	0.316	0.758	0.025	4.76	0.0257	2.4726	16.8411	16.7078	2.0248	1.809	1.823	0.4
1755	8.19	2.16	1.92	2.65	0.025	5.76	0.0333	2.5992	38.7785	6.5578	1.537	2.454	2.474	0.4
1759	8.16	2.53	1.20	16.4	15.7	13.4	0.005	5.9859	54.8909	7.3824	2.4624	3.587	3.614	0.4
1769	8.21	2.33	0.963	2.68	0.025	6.06	0.005	2.6739	43.4495	4.3524	1.2772	2.586	2.609	0.4
1897	8.47	2.68	0.483	7.35	0.025	4.25	0.0111	0.8014	12.2428	53.6175	0.649	2.998	3.025	0.4
25	7.96	2.35	0.304	13.1	1.190	49.8	0.0566	7.0028	41.4401	25.1921	3.5296	3.791	3.831	0.5
26	8.1	2.28	0.025	12.5	1.050	10.1	0.043	5.2491	34.6418	15.4062	2.3115	2.861	2.89	0.5
30	8.26	3.28	1.350	23.3	0.069	12.5	0.005	8.39	21.9722	54.0137	6.8561	4.269	4.31	0.5
40	7.81	0.99	0.025	8.1	0.494	10.6	0.0176	1.6059	19.5411	6.6451	2.5335	1.447	1.461	0.5
146	7.82	1.16	0.488	9.77	2.89	10.9	0.0246	1.771	24.0105	8.3607	1.6348	1.731	1.749	0.5
198	7.89	1.52	0.183	3.70	0.025	7.27	0.3968	1.1347	23.0725	10.4745	3.3097	1.781	1.798	0.5
340	7.91	2.02	1.26	4.42	0.025	4.76	0.0102	4.8567	26.3501	13.3123	1.5816	2.31	2.334	0.5
348	8.11	2.21	0.089	9.21	1.63	9.37	0.005	7.4502	33.4857	9.8919	0.25	2.695	2.72	0.5
361	7.69	3.41	0.025	57.8	12.5	22.0	0.0143	7.8385	40.16	65.8466	9.367	5.699	5.751	0.5
382	7.97	0.85	0.088	6.61	0.025	10.2	0.0184	3.4808	14.2933	5.9614	0.25	1.254	1.266	0.5
430	8.03	1.57	0.082	9.32	0.667	7.33	0.0209	3.4132	23.5262	11.9013	1.734	1.996	2.017	0.5
478	7.06	2.37	0.848	3.27	4.07	5.41	0.005	8.0331	36.7897	4.4708	0.8427	2.687	2.712	0.5
482	8.20	2.28	1.71	135	11.2	41.3	0.005	10.5004	30.8466	110.944	2.1591	7.213	7.282	0.5
492	8.46	3.02	0.683	99.6	0.429	27.6	0.0885	1.5122	2.4377	141.192	4.929	6.443	6.514	0.5
523	8.52	4.26	0.093	46.9	0.164	39.8	0.0402	5.7331	14.4184	117.448	7.1395	6.42	6.481	0.5
583	7.54	1.77	3.42	22.5	0.304	12.6	1.0347	2.93	10.0269	44.6909	5.9663	2.848	2.874	0.5
598	8.25	2.42	2.55	6.37	0.025	10.0	0.0246	4.1083	21.7714	33.6904	3.1409	2.942	2.97	0.5
631	7.87	1.41	0.111	6.07	1.00	26.4	0.005	1.7696	31.8355	6.4945	6.233	2.152	2.175	0.5
671	7.98	1.33	1.09	10.3	3.49	23.8	0.005	4.0884	29.5215	7.0635	5.4673	2.232	2.256	0.5
680	8.04	1.72	0.025	0.830	0.233	5.74	0.005	2.3266	32.2809	1.0955	1.5533	1.87	1.889	0.5

685	8.17	3.11	0.073	12.8	0.025	14.8	0.005	6.839	47.1186	18.0082	4.8104	3.779	3.819	0.5
710	8.17	3.58	0.025	6.53	0.025	85.0	0.5905	11.5798	78.4739	14.6681	2.4913	5.535	5.59	0.5
830	8.17	3.12	1.13	8.50	1.37	16.3	0.005	0.292	2.475	84.0894	0.6791	3.783	3.821	0.5
1185	8.11	1.63	0.436	2.95	0.025	10.5	0.0848	4.5665	25.7737	6.5332	0.9012	1.95	1.971	0.5
1186	8.16	1.90	0.470	2.61	0.025	12.8	0.0533	3.9791	35.0408	3.6555	2.0397	2.267	2.288	0.5
1195	8.17	1.88	1.98	1.72	0.243	3.39	0.0848	3.5646	32.824	3.3162	2.0443	2.108	2.13	0.5
1203	8.15	1.39	1.84	1.13	0.025	17.3	0.075	2.8023	26.907	6.6831	1.3735	1.882	1.901	0.5
1204	7.82	1.75	0.601	9.74	3.95	18.0	0.3867	5.8707	28.6503	11.1069	4.2756	2.491	2.518	0.5
1222	8.19	3.71	0.336	21.2	0.646	20.3	0.0248	10.1537	53.5674	27.0971	4.4339	4.754	4.8	0.5
1233	8.26	7.06	0.506	63.1	0.025	92.1	0.005	0.2226	0.5607	248.244	1.5994	10.776	10.881	0.5
1246	6.46	0.08	0.547	1.30	1.23	3.84	0.0168	0.3686	2.7414	1.7473	0.25	0.248	0.25	0.5
1422	8.21	2.27	0.240	2.61	0.417	6.24	0.005	3.6023	39.2175	5.1991	1.7361	2.497	2.523	0.5
1436	8.19	2.62	0.261	24.1	0.025	19.2	0.8	5.1614	17.5154	52.6576	5.1465	3.713	3.748	0.5
1438	8.15	2.40	1.15	4.25	0.025	13.8	1.398	4.8366	36.797	13.1502	1.8672	2.871	2.903	0.5
1461	8.29	2.45	0.261	25.1	0.098	35.3	0.0591	6.4928	23.8194	46.5404	7.7661	3.905	3.947	0.5
1465	8.18	2.01	0.025	18.7	0.143	17.0	0.005	3.5253	36.3564	17.5411	2.2575	2.892	2.924	0.5
1475	8.29	2.96	1.11	3.07	0.075	16.4	0.0153	4.1553	48.8251	14.7745	2.4284	3.449	3.482	0.5
1491	8.15	2.54	1.85	3.75	0.824	9.97	0.0743	3.8884	49.2182	3.9072	1.8341	2.962	2.994	0.5
1509	8.12	2.40	1.63	1.69	2.38	9.00	0.041	3.774	46.0485	3.2561	1.3862	2.757	2.786	0.5
1510	8.17	3.45	0.270	1.13	0.025	37.6	1.1102	13.7842	53.4033	10.7356	0.7156	4.282	4.323	0.5
1537	7.67	1.81	0.084	10.2	9.88	11.6	0.005	5.9471	32.5304	8.0554	2.3656	2.498	2.523	0.5
1553	8.06	4.30	0.334	28.7	2.84	20.0	0.0257	24.6804	47.261	24.5636	7.2271	5.591	5.642	0.5
1559	8.06	1.68	0.483	6.10	0.892	14.4	0.005	3.6902	32.9983	4.9827	1.7489	2.188	2.211	0.5
1588	8.29	3.72	0.203	60.3	0.490	32.4	0.2151	2.7831	20.9395	110.251	3.7014	6.112	6.169	0.5
1616	7.99	1.15	0.096	8.43	2.20	12.3	0.0538	1.6042	19.7918	11.7738	2.4812	1.681	1.696	0.5
1666	7.86	1.57	1.01	4.68	0.025	6.23	0.0543	2.6697	26.77	6.1943	3.2398	1.888	1.909	0.5

1682	7.60	1.21	0.058	15.6	1.99	10.2	0.15	5.1081	16.2374	12.9621	4.3731	1.893	1.911	0.5
1684	7.38	0.71	0.025	8.95	1.11	3.91	0.1174	1.7618	13.2751	5.1272	1.5779	1.064	1.075	0.5
1685	7.96	1.57	0.161	5.49	0.258	13.1	0.0717	2.2373	28.3794	8.1305	2.6867	2.005	2.024	0.5
1698	7.65	2.98	0.089	13.4	0.025	5.21	1.3326	5.3805	28.6894	33.8557	4.5466	3.474	3.51	0.5
1708	7.60	2.24	0.091	73.8	18.1	16.1	0.0619	11.9674	55.401	25.5082	5.4342	4.952	4.998	0.5
1722	8.09	3.32	0.932	9.47	9.87	7.81	0.005	9.1556	32.5242	31.6157	9.6479	3.959	3.997	0.5
1825	7.55	0.85	0.093	21.6	0.072	8.72	0.0205	3.5404	11.9665	16.1297	2.6936	1.644	1.659	0.5
1850	7.83	1.64	0.231	23.0	9.65	25.6	0.005	4.9087	43.3682	8.9475	2.2478	2.984	3.014	0.5
1910	8.05	2.70	0.108	5.78	0.269	11.4	0.2153	4.7204	49.7087	5.0612	1.7219	3.106	3.14	0.5
8	7.2	0.26	0.025	19.7	0.158	9.6	0.0918	2.5415	3.77	13.1903	2.2601	1.019	1.032	0.6
67	8.01	1.06	0.025	10.2	0.368	24.5	0.005	3.9051	22.7813	8.2748	2.6465	1.864	1.885	0.6
291	8.21	3.12	0.353	4.95	2.62	20.1	0.0994	3.8416	61.6423	7.8012	2.0176	3.739	3.785	0.6
455	8.02	3.36	0.195	10.8	6.37	20.3	0.1951	3.5769	68.098	11.4296	1.8861	4.195	4.243	0.6
466	8.25	3.71	0.099	7.65	0.082	13.0	0.046	9.9014	46.8302	23.4517	3.3582	4.205	4.258	0.6
471	8.09	1.50	0.597	4.52	0.442	17.8	0.1195	3.5444	28.3389	7.6752	0.8153	2.04	2.064	0.6
480	8.19	2.71	1.36	17.2	9.67	18.0	0.005	8.8925	54.1995	8.7912	0.7878	3.795	3.838	0.6
493	8.60	2.93	0.514	46.9	0.682	21.7	0.0398	0.9835	2.4567	103.953	2.7699	4.737	4.795	0.6
497	8.10	3.13	0.517	25.8	0.025	7.23	0.005	2.8634	7.0618	78.6601	2.9095	4.036	4.082	0.6
514	8.30	4.59	0.250	47.3	0.229	44.2	0.3196	6.5873	29.4102	108.8	7.6702	6.86	6.947	0.6
517	8.33	2.84	0.295	23.4	4.74	11.9	0.0974	3.6124	23.7989	52.6895	4.2108	3.839	3.886	0.6
584	7.76	4.62	3.03	98.2	0.025	38.2	0.5597	3.2408	11.1049	171.409	5.7555	8.337	8.44	0.6
621	8.2	1.48	1.12	9.79	0.359	9.75	0.012	3.612	18.2696	18.1936	1.8547	2.023	2.047	0.6
679	8.17	1.75	0.025	2.73	0.776	14.0	0.005	2.1522	19.7854	21.3095	2.5721	2.131	2.156	0.6
698	8.18	1.91	0.025	4.58	0.025	20.8	0.0423	4.3454	38.7916	3.502	2.1566	2.469	2.501	0.6
741	7.53	0.87	0.079	17.7	0.171	6.07	0.0701	3.6342	14.4695	10.3027	1.9835	1.504	1.522	0.6
869	6.85	0.23	0.025	11.1	4.18	8.29	0.0606	1.7631	6.8997	4.8901	3.3816	0.78	0.791	0.6

891	8.38	3.30	0.313	24.0	0.452	16.9	0.05	4.9178	7.1968	80.9333	4.6859	4.352	4.404	0.6
950	7.56	1.51	1.02	7.73	10.4	13.5	0.1491	2.7997	22.9302	18.1239	3.4651	2.228	2.256	0.6
1023	7.74	1.20	0.164	8.59	9.68	13.2	0.0362	2.4108	25.7272	7.796	3.3429	1.884	1.907	0.6
1052	7.32	0.51	0.053	3.20	9.55	9.75	0.0724	0.9369	13.5799	3.9065	1.7515	0.961	0.972	0.6
1177	8.14	2.28	0.087	4.03	8.23	3.48	0.005	1.7548	46.3632	3.537	1.1567	2.607	2.64	0.6
1253	7.33	0.37	0.523	9.66	6.14	9.63	0.0798	1.224	11.3377	4.7348	4.32	0.973	0.985	0.6
1320	7.68	1.01	0.554	32.2	2.82	9.48	0.0798	1.7475	8.5614	36.1222	2.7434	2.187	2.214	0.6
1324	7.67	0.73	0.050	1.03	0.455	34.7	0.005	2.6285	22.2447	2.0582	3.6375	1.492	1.508	0.6
1458	8.23	3.03	0.025	9.81	2.11	20.3	0.005	19.4502	38.2279	6.1663	1.0978	3.762	3.804	0.6
1468	8.23	3.51	0.264	5.21	0.025	3.38	0.3625	8.6015	34.0559	30.4939	1.7668	3.742	3.79	0.6
1532	8.04	1.01	2.69	0.893	0.025	7.05	0.005	1.0634	21.2131	3.9552	0.6839	1.319	1.335	0.6
1534	7.85	0.85	0.321	1.25	2.39	6.23	0.0458	1.1055	16.5547	2.8038	1.6454	1.07	1.082	0.6
1606	8.10	1.07	1.46	10.8	0.088	72.3	0.1748	1.8274	9.3334	53.3786	1.8529	2.955	2.99	0.6
1703	8.19	1.61	0.317	14.4	0.025	11.0	0.113	3.7484	15.6865	25.4718	3.2588	2.258	2.286	0.6
1715	7.94	3.60	0.662	9.23	13.3	11.5	0.005	10.0043	56.6296	12.6844	8.0464	4.349	4.405	0.6
1726	8.17	3.30	0.117	5.96	4.93	10.3	0.005	4.4578	56.3409	13.606	1.9412	3.77	3.818	0.6
1730	7.72	1.35	0.177	9.15	5.92	15.2	0.005	4.0827	24.4775	10.6167	1.3365	2.028	2.053	0.6
1770	8.18	2.82	0.985	25.5	13.0	21.5	0.0166	6.5536	60.0752	16.4318	1.7995	4.242	4.297	0.6
1776	8.14	3.77	0.674	2.78	1.51	5.83	0.1435	6.2015	61.7514	9.9657	1.9781	4.033	4.079	0.6
1879	7.34	0.85	0.437	2.19	1.76	5.22	0.005	2.3206	15.5193	2.5819	0.25	1.071	1.084	0.6
1894	7.71	2.87	0.184	10.5	0.025	27.5	0.5593	5.4073	36.1483	33.6497	2.4805	3.749	3.794	0.6
19	8.44	1.46	2.570	7.5	0.025	65.6	0.0137	1.5472	17.4409	50.3495	1.2451	3.173	3.219	0.7
288	8.2	2.68	2.18	2.40	0.025	7.7	0.0457	6.2551	34.1205	19.1873	0.6428	3.024	3.069	0.7
444	8.22	2.27	0.475	9.89	0.025	5.90	0.005	7.3059	23.517	19.1832	4.9034	2.693	2.734	0.7
445	8.11	1.08	0.102	6.38	0.025	3.04	0.005	0.5367	9.1427	19.4088	0.25	1.332	1.351	0.7
476	8.22	2.74	0.611	21.0	1.51	5.79	0.005	6.8973	55.3157	3.5661	2.9045	3.505	3.556	0.7

488	8.21	2.97	0.403	10.4	3.77	7.99	0.0332	7.054	30.7628	31.583	2.9544	3.513	3.565	0.7
507	7.95	2.11	0.091	5.92	0.025	6.36	0.5017	4.4454	21.8928	19.7132	4.496	2.414	2.448	0.7
508	8.46	4.74	0.121	23.0	0.025	9.95	0.0593	4.7195	24.9843	91.3693	2.7477	5.604	5.68	0.7
588	7.88	2.51	0.025	5.76	0.025	7.82	0.3311	4.3015	41.6448	7.9653	3.48	2.838	2.878	0.7
590	7.26	1.14	1.09	1.72	0.102	4.61	0.0226	1.3642	21.7819	3.1682	1.006	1.343	1.363	0.7
596	7.76	2.67	0.623	2.56	1.80	8.94	0.0801	2.1811	53.2605	2.7283	2.8303	2.99	3.03	0.7
609	7.89	2.51	0.491	2.09	0.085	15.4	0.7125	2.6083	40.3253	15.5156	1.1984	2.917	2.957	0.7
662	8.39	3.47	1.58	40.7	0.425	24.5	0.1	3.7376	14.5109	94.5009	5.5813	5.211	5.286	0.7
728	8.55	1.96	2.91	89.0	0.025	42.5	0.0222	3.9259	14.7153	100.682	5.621	5.5	5.579	0.7
734	8.14	1.57	0.287	3.56	0.025	22.1	0.8585	1.9933	26.1399	12.3998	5.1907	2.141	2.17	0.7
746	8.07	2.58	0.371	44.1	1.42	16.3	0.0173	5.55	65.0949	12.0972	1.3552	4.207	4.265	0.7
819	7.77	0.67	0.095	4.89	3.54	4.75	0.023	1.2154	13.9934	3.5632	1.0405	0.968	0.98	0.7
878	7.47	0.95	0.025	6.85	5.56	22.1	0.0416	2.8216	21.3781	8.07	2.7494	1.696	1.721	0.7
932	8.27	4.18	0.883	26.4	0.238	20.6	0.0461	9.1049	29.7948	71.6133	5.1297	5.4	5.482	0.7
934	7.76	2.25	1.90	17.0	0.025	10.7	1.136	4.7814	26.4292	29.4041	2.5485	3.05	3.096	0.7
964	8.18	1.69	3.13	9.39	0.025	4.80	0.3991	0.3164	0.4716	49.9324	0.5817	2.218	2.25	0.7
1255	7.98	1.03	3.80	55.9	0.025	116	0.005	1.6069	57.1844	52.5399	0.8894	5.217	5.292	0.7
1287	8.25	1.40	1.48	1.32	0.025	12.1	0.1407	2.4542	22.3325	9.8255	1.644	1.767	1.79	0.7
1291	8.27	1.91	2.64	1.97	0.503	8.54	0.0147	2.4969	30.1533	14.0158	0.25	2.294	2.326	0.7
1311	7.73	1.43	0.154	4.21	1.91	13.1	0.005	3.7006	24.9623	6.1843	2.4297	1.856	1.881	0.7
1425	7.54	0.64	0.556	1.52	0.914	2.75	0.02	0.9843	12.0468	1.9226	1.1772	0.785	0.796	0.7
1466	8.01	2.98	0.063	8.35	3.79	8.18	0.005	5.0742	43.0121	20.5668	1.5364	3.448	3.497	0.7
1486	8.09	2.28	1.14	4.13	0.700	18.9	0.0352	4.3298	45.1596	4.759	3.2003	2.857	2.899	0.7
1492	8.02	1.22	1.59	1.69	2.55	13.2	0.0293	0.9379	29.7987	2.1255	1.5013	1.671	1.695	0.7
1558	7.63	0.53	0.930	9.89	2.98	7.86	0.0478	0.8451	12.7527	7.7543	1.676	1.073	1.087	0.7
1574	7.35	0.29	0.025	4.69	2.56	4.75	0.046	0.8343	6.7086	3.402	0.6608	0.562	0.57	0.7

1578	8.11	2.39	0.208	7.51	1.86	25.8	0.0165	3.0012	51.036	7.7203	3.7337	3.181	3.224	0.7
1584	8.62	3.15	1.04	11.8	2.93	10.8	0.0276	3.3854	13.7199	63.8873	4.7646	3.809	3.863	0.7
1587	8.25	3.76	1.57	36.3	0.573	16.1	0.0276	6.1545	22.1046	79.984	7.4972	5.205	5.279	0.7
1706	8.10	2.79	0.212	5.04	0.094	7.62	0.5759	4.5735	30.231	25.8244	4.5699	3.1	3.145	0.7
1709	7.68	1.95	0.251	14.5	0.094	9.27	0.0149	4.4471	23.8215	22.9187	1.7534	2.562	2.596	0.7
1760	8.11	3.11	0.868	14.4	6.04	19.7	0.005	4.889	62.0785	13.2596	1.9402	4.064	4.125	0.7
1766	8.10	2.24	1.00	5.71	1.46	6.63	0.0104	3.3504	43.2494	4.3927	0.847	2.61	2.646	0.7
33	8.2	2.63	1.140	11.0	0.025	12.8	0.0566	5.1559	33.6244	26.4751	2.5687	3.267	3.32	0.8
351	8.31	2.58	0.914	5.21	3.41	6.64	0.005	5.5606	43.628	8.0784	1.1017	2.968	3.013	0.8
440	8.13	2.55	0.129	7.95	1.79	7.40	0.2883	6.6313	36.3681	10.2903	7.5433	2.965	3.01	0.8
484	8.32	2.37	1.25	6.46	0.433	6.69	0.005	10.9073	23.349	16.6444	0.6781	2.762	2.803	0.8
486	7.83	1.23	0.120	6.04	1.71	5.92	0.0288	3.7772	11.7566	14.8592	1.6106	1.559	1.586	0.8
510	8.43	3.66	0.248	33.0	0.025	15.5	0.3493	3.9163	6.6622	94.4967	9.1581	4.929	5.01	0.8
597	8.06	2.98	1.24	7.02	0.025	17.2	0.005	5.2264	53.9314	9.8633	4.2652	3.601	3.658	0.8
615	8.4	5.19	0.232	61.3	0.025	23.6	0.853	3.2228	8.897	151.204	9.1161	7.421	7.547	0.8
665	9.17	2.97	1.12	32.3	0.163	20.3	0.0653	1.1356	3.2147	94.7389	2.2824	4.365	4.434	0.8
676	7.53	0.39	0.056	2.75	0.088	11.0	0.4816	1.9837	5.2159	3.7268	4.0731	0.696	0.707	0.8
699	7.69	1.17	0.261	11.5	0.093	3.96	0.0161	2.1835	20.9333	8.1801	1.5302	1.592	1.619	0.8
731	8.08	1.06	0.153	7.18	0.064	11.4	0.3547	1.6935	16.371	10.3431	4.3682	1.506	1.53	0.8
1007	7.16	0.59	0.118	11.7	0.744	6.55	0.1745	0.9	5.4235	16.7254	0.613	1.076	1.094	0.8
1111	8.19	2.53	0.055	19.3	2.52	28.2	0.0245	2.8742	66.187	3.8496	2.197	3.699	3.762	0.8
1161	8.08	1.69	0.844	8.46	0.310	105	0.0573	6.2221	58.3752	16.4642	3.6348	4.165	4.234	0.8
1284	7.94	1.66	0.458	1.61	9.94	10.6	0.0504	2.7332	32.8187	5.7794	1.172	2.112	2.145	0.8
1351	8.22	3.46	0.306	16.7	0.025	25.1	0.3094	7.382	29.7199	52.9194	5.5569	4.472	4.544	0.8
1421	8.17	2.09	0.297	2.29	0.703	6.86	0.005	4.9476	35.3258	3.8052	1.2118	2.329	2.366	0.8
1427	8.17	1.63	1.47	1.74	0.025	18.6	0.102	2.6079	35.3389	3.9651	0.9348	2.144	2.177	0.8

1572	8.12	1.57	1.28	5.21	0.092	23.3	0.0129	1.0964	38.2035	7.1232	0.25	2.275	2.312	0.8
1590	8.22	4.51	0.080	21.4	0.025	45.5	0.0974	3.7735	13.8376	113.768	8.2226	6.062	6.161	0.8
1593	7.78	1.06	0.715	10.6	0.025	30.6	0.9596	4.4998	22.698	9.9321	3.8554	2.034	2.067	0.8
1594	7.16	0.28	0.228	39.5	5.26	24.4	0.0313	2.451	14.7516	22.0754	4.9733	1.994	2.026	0.8
1599	9.33	3.84	2.34	23.1	0.089	21.6	0.0331	0.5502	1.5437	114.09	2.3674	5.066	5.144	0.8
1648	8.03	1.48	1.31	11.9	0.457	11.9	0.005	3.4801	25.2196	13.1696	2.4387	2.144	2.179	0.8
1737	8.13	3.97	0.403	34.5	16.3	21.7	0.005	13.3348	34.8622	65.6101	3.3053	5.681	5.774	0.8
1743	8.14	1.51	2.23	6.33	10.1	15.2	0.0107	2.9859	34.0414	7.1916	2.3474	2.281	2.317	0.8
1764	8.29	2.81	1.83	3.97	0.762	7.25	0.005	4.2467	33.5146	26.7455	1.7373	3.178	3.229	0.8
1886	7.88	2.99	1.16	20.1	0.508	11.4	0.0444	10.9247	32.4958	30.708	2.5151	3.86	3.921	0.8
1888	8.03	3.80	3.87	49.1	0.454	18.7	0.202	4.3967	18.6349	102.252	5.2062	5.787	5.877	0.8
578	7.98	1.53	0.025	8.18	5.11	15.2	0.0158	1.8851	34.5894	5.963	2.261	2.16	2.198	0.9
602	7.94	3.05	0.295	4.82	1.16	12.0	0.0144	4.8465	54.4789	8.4159	2.026	3.47	3.534	0.9
603	7.88	3.56	0.196	5.35	1.14	18.1	0.0103	4.7913	68.9424	6.6041	2.7144	4.116	4.19	0.9
637	6.62	0.07	0.025	0.828	1.07	2.98	0.0138	0.1988	2.0164	1.2085	0.25	0.173	0.176	0.9
655	7.84	1.14	0.080	5.80	1.68	6.07	0.0276	2.1442	20.2928	5.9138	1.4636	1.458	1.484	0.9
836	7.66	1.95	0.025	11.8	6.64	6.86	0.0305	1.1882	40.8567	8.1434	3.5673	2.534	2.582	0.9
897	6.98	0.37	0.098	7.49	17.7	8.19	0.0854	2.7065	10.532	4.962	3.8926	1.047	1.066	0.9
1153	8.21	1.90	0.056	6.06	0.091	11.6	0.0123	3.0714	27.4896	16.266	0.9443	2.312	2.356	0.9
1164	7.15	0.41	0.065	3.98	2.00	10.9	0.09	1.6339	7.6225	5.1888	2.0167	0.781	0.795	0.9
1180	8.07	1.87	0.142	4.11	0.548	4.21	0.005	4.0646	31.9272	3.7383	1.3507	2.088	2.124	0.9
1181	7.82	1.38	0.163	53.4	62.7	8.98	0.4065	5.0342	67.5004	7.2044	1.9713	4.087	4.159	0.9
1205	7.96	0.87	1.87	1.31	0.025	172	0.0474	0.6749	71.1818	23.2699	1.7112	4.583	4.663	0.9
1219	8.13	4.40	0.584	26.9	3.76	28.9	0.1631	20.4787	61.9781	23.4735	6.0807	5.847	5.959	0.9
1285	8.31	1.50	2.50	1.26	0.025	14.3	0.0798	0.8595	20.4631	20.6406	0.25	1.964	1.998	0.9
1335	8.10	2.36	0.075	6.53	0.234	11.8	0.0581	6.0489	34.4399	12.0843	4.1415	2.799	2.849	0.9

1343	7.66	0.64	0.293	2.06	0.274	5.30	0.0353	1.0217	11.1657	4.5066	0.25	0.829	0.845	0.9
1385	8.63	1.62	0.335	4.04	0.025	12.1	0.005	0.631	5.5667	38.0901	1.9063	2	2.035	0.9
1417	8.52	3.74	0.359	25.1	0.788	39.3	0.054	3.1626	5.3161	108.451	5.8266	5.295	5.392	0.9
1512	8.21	2.81	1.93	1.86	0.647	10.9	0.005	3.5697	55.0541	4.5095	1.166	3.204	3.266	0.9
1514	8.09	1.38	1.80	0.949	0.080	6.67	0.005	3.112	24.1919	3.5519	2.1261	1.643	1.672	0.9
1525	7.16	0.39	0.320	1.63	0.234	5.01	0.1335	0.8146	7.6168	2.4832	0.5997	0.565	0.575	0.9
1639	8.22	1.80	1.02	7.24	0.025	123	0.0505	2.3228	79.0438	11.6931	2.2079	4.617	4.7	0.9
1762	8.10	2.36	0.989	2.91	0.400	6.00	0.0104	3.1711	41.9937	6.4258	1.6128	2.626	2.676	0.9
1800	7.84	1.76	0.442	2.64	0.704	8.66	0.0836	2.6887	31.6658	5.4739	1.6339	2.045	2.083	0.9
1860	8.01	1.88	0.025	8.98	0.510	12.0	0.011	1.8545	39.7292	6.5619	0.8222	2.396	2.441	0.9
3	8.19	1.64	0.025	16.8	0.524	9.3	0.005	2.9688	32.8925	9.9669	1.689	2.317	2.362	1
39	7.83	1.3	0.230	15.4	0.964	12.5	0.0332	5.0324	24.2598	8.6422	2.4523	2.022	2.064	1
52	8.04	1.34	0.025	24.4	0.025	21.5	0.1259	3.5488	15.9398	30.193	4.8607	2.476	2.529	1
172	8.15	1.32	3.00	4.67	< 0.05	9.21	0.0938	2.4723	18.0956	16.6886	< 0.5000	1.805	1.841	1
248	8.24	1.91	1.10	4.55	0.025	6.70	0.0115	2.4804	34.1179	7.9033	1.1989	2.236	2.28	1
293	9.18	1.85	1.24	5.6	0.307	12.8	0.005	0.8436	4.3207	48.3059	0.25	2.345	2.392	1
344	6.97	0.18	0.088	4.67	13.4	6.04	0.0225	1.3331	7.4676	2.9565	2.3577	0.658	0.672	1
414	8.57	3.85	3.28	166	0.155	44.5	0.0192	1.5245	4.1824	216.059	3.7428	9.628	9.824	1
425	7.74	0.78	0.025	1.22	0.025	33.0	0.0105	2.9851	22.5541	1.1914	4.2235	1.5	1.531	1
428	8.19	4.18	0.113	15.9	0.025	62.6	0.1329	19.8195	78.0002	7.3816	8.1954	5.936	6.057	1
512	8.28	4.34	0.025	33.9	8.96	13.4	0.0381	11.5788	55.6352	45.6855	4.3571	5.716	5.827	1
533	8.17	1.87	0.081	1.59	1.42	8.07	0.005	2.5839	36.1068	2.1699	1.8921	2.112	2.156	1
575	7.11	0.46	0.025	1.23	2.03	6.49	0.005	1.4719	10.1948	0.934	0.25	0.664	0.677	1
576	7.18	0.29	0.025	1.80	3.33	12.5	0.005	1.5742	9.3092	1.2227	0.8651	0.656	0.669	1
577	9	3.75	0.383	25.4	0.169	16.2	0.0256	7.1409	5.8534	89.3624	6.2305	4.826	4.925	1
646	8.15	4.31	0.192	9.16	0.064	9.35	4.065	16.6389	55.8066	9.5822	6.1406	4.777	4.872	1

660	8.04	1.90	0.190	18.5	0.025	9.33	0.198	5.4796	26.8921	17.2559	4.9234	2.625	2.676	1
697	8.22	1.98	0.137	25.8	0.025	24.1	0.0121	8.1752	34.7179	17.5263	4.2821	3.211	3.276	1
807	7.26	0.27	0.312	6.83	4.07	7.84	0.0314	1.9896	6.4778	4.5998	1.5043	0.712	0.726	1
851	7.41	0.65	0.025	1.25	0.956	6.07	0.0174	0.8575	13.2151	1.9299	1.0376	0.825	0.841	1
1187	7.61	1.90	0.145	22.4	70.4	12.4	0.2545	7.2281	63.9933	2.6941	4.0178	3.936	4.016	1
1286	8.22	1.87	1.80	1.05	0.072	8.94	0.005	2.1853	34.9374	6.5744	0.9439	2.186	2.233	1
1313	7.49	1.20	0.207	7.71	1.59	14.1	0.3486	2.0204	25.5002	6.6294	1.7503	1.749	1.784	1
1437	8.17	1.92	2.30	2.22	0.025	7.64	0.022	3.5478	34.2238	6.178	1.6026	2.264	2.309	1
1446	7.98	1.74	0.277	1.51	0.025	4.16	0.312	2.0109	30.6156	2.7535	3.7987	1.882	1.921	1
1456	8.18	2.38	0.109	7.61	0.025	101	0.0839	17.4238	55.9156	11.0744	3.489	4.698	4.797	1
1489	8.19	1.65	0.177	1.80	0.473	9.79	0.0274	2.0944	30.5987	4.5249	2.5472	1.924	1.961	1
1504	8.18	1.66	2.55	0.835	0.025	8.19	0.1075	0.85	32.3992	7.2527	1.0684	1.992	2.032	1
1505	8.13	1.47	1.37	0.951	0.025	10.8	0.005	1.0666	30.8351	4.0892	1.0584	1.796	1.831	1
1515	8.07	2.23	0.702	1.70	0.025	7.93	0.0897	5.4956	35.9387	4.6773	3.2288	2.484	2.534	1
1519	7.94	1.33	0.084	1.15	0.025	7.11	0.0324	1.1035	26.9863	1.6995	1.2266	1.512	1.543	1
1533	7.88	0.87	0.703	0.887	1.91	9.19	0.3358	1.4607	17.1497	3.1293	2.2277	1.157	1.181	1
1560	7.86	1.10	0.306	3.70	0.296	7.40	0.0974	1.5118	21.8493	3.5761	1.5459	1.384	1.413	1
1600	8.15	1.73	0.211	35.2	0.025	27.1	0.1507	4.978	22.8358	38.7412	5.095	3.302	3.369	1
1630	7.96	6.14	0.425	79.1	1.06	27.3	0.005	24.3703	82.2991	65.3571	7.9167	8.971	9.155	1
1681	8.00	1.32	0.064	14.0	2.65	11.9	0.0522	4.2153	14.1894	20.641	3.7061	2.008	2.049	1
1697	8.33	3.05	0.071	28.1	0.462	20.6	0.013	0.5966	2.4186	95.1254	2.2774	4.282	4.364	1
1757	8.06	2.81	1.25	14.2	43.5	13.0	0.005	14.7951	48.6803	14.2959	2.2703	4.244	4.325	1
1763	8.22	2.33	0.762	2.84	2.39	6.20	0.005	2.8446	43.8049	4.7099	1.7102	2.616	2.668	1
1773	7.68	1.12	0.294	10.3	26.4	14.5	0.0146	4.315	30.8816	5.3296	2.5788	2.151	2.194	1
1784	7.11	0.44	0.063	1.54	2.77	6.80	0.0541	0.8452	10.5261	1.447	0.9461	0.67	0.684	1
1857	7.58	0.37	0.025	3.85	0.516	3.09	0.0658	0.866	7.2247	2.1403	1.385	0.552	0.562	1

1911	7.61	1.56	0.349	11.7	19.8	11.4	0.0111	4.6675	35.5354	6.0361	3.8016	2.468	2.517	1
21	8.65	1.85	0.025	9.8	0.262	9.1	0.2226	0.6602	4.1241	48.0093	0.7687	2.322	2.375	1.1
28	8.84	3.76	1.030	10.3	0.139	16.3	0.0156	0.3908	1.6605	100.356	2.75	4.446	4.549	1.1
178	8.17	2.32	0.848	4.29	0.791	19.6	0.0447	4.3964	46.371	4.8663	3.22	2.904	2.97	1.1
303	6.99	0.31	0.025	2.77	5.06	4.70	0.1193	1.035	6.7478	2.6365	1.5847	0.569	0.581	1.1
442	8.17	2.48	0.511	9.65	1.99	15.7	0.005	3.1735	51.409	7.6514	1.8018	3.135	3.204	1.1
552	7.93	0.86	0.440	6.78	2.14	30.4	2.4396	2.5053	8.2946	22.7467	3.3936	1.744	1.783	1.1
630	8.01	1.37	0.352	3.15	0.933	14.2	0.0355	2.0841	27.6212	4.7801	2.7506	1.79	1.829	1.1
647	7.47	0.80	0.158	14.5	0.025	4.49	0.1878	2.7837	13.2979	9.7235	0.8226	1.314	1.343	1.1
781	7.56	0.76	0.025	3.06	4.17	15.4	0.0649	1.2916	20.247	2.3736	1.6172	1.237	1.263	1.1
1426	8.08	1.50	0.336	1.79	0.959	2.84	0.012	2.4203	25.7739	4.0091	0.7988	1.644	1.68	1.1
1471	8.25	1.94	1.47	9.37	0.025	6.93	0.2461	6.0895	21.4926	19.1871	2.5449	2.425	2.481	1.1
1485	8.26	1.02	3.94	27.2	0.025	57.4	0.005	0.8561	31.995	36.3732	0.5555	3.189	3.262	1.1
1495	7.57	0.37	0.025	4.35	0.124	10.7	0.005	0.025	0.01	16.7853	0.25	0.722	0.739	1.1
1518	8.12	1.76	1.04	1.60	0.263	10.4	0.005	1.6974	36.6095	2.9212	1.1597	2.076	2.122	1.1
1583	8.13	1.83	0.025	9.81	1.44	11.6	0.0551	3.5054	30.9682	11.3346	3.9622	2.375	2.429	1.1
1707	8.15	2.76	0.578	5.44	0.086	23.2	0.384	4.1727	44.022	20.7525	1.6347	3.424	3.497	1.1
1870	7.62	0.75	0.374	123	2.00	28.8	0.0482	4.7227	8.8307	93.4049	3.3293	4.867	4.977	1.1
1895	8.17	9.43	1.43	93.7	0.025	37.9	0.3684	14.4804	18.3485	249.838	9.2991	12.931	13.22	1.1
63	7.91	1.65	0.025	13.8	0.025	11.7	0.5114	7.444	13.9968	19.3694	6.5817	2.284	2.34	1.2
292	8.22	2.5	0.78	3.69	0.025	14.0	0.1292	5.6646	38.2255	12.5328	3.3688	2.937	3.008	1.2
295	8.24	2.53	0.025	1.21	4.65	9.7	1.4632	0.9815	53.4326	1.6933	1.548	2.842	2.911	1.2
346	7.9	1.5	1.30	3.94	7.85	5.52	0.005	3.0648	30.6907	3.7343	0.8177	1.921	1.966	1.2
490	8.34	5.08	0.580	35.6	2.81	33.7	0.0686	13.8381	34.2146	85.3387	18.1401	6.86	7.022	1.2
644	8.17	2.20	0.025	8.44	0.143	7.34	0.005	2.3532	43.7519	6.0606	0.5667	2.594	2.654	1.2
705	8.13	1.47	0.213	5.49	0.051	16.6	0.0202	4.3297	24.3328	7.6371	4.8679	1.981	2.027	1.2

778	7.82	1.40	0.104	4.52	1.53	18.4	0.5086	4.0293	28.3348	4.5538	1.2344	1.945	1.993	1.2
853	7.57	1.09	0.336	2.35	1.19	5.67	0.005	3.4504	18.2139	2.9318	0.7877	1.308	1.34	1.2
868	8.31	3.29	0.683	14.1	0.322	14.2	0.0135	6.1802	34.9519	40.6144	3.7573	4.019	4.114	1.2
938	7.75	1.54	1.26	27.0	0.259	9.30	0.3531	7.5687	11.2963	30.3347	4.4749	2.568	2.632	1.2
941	8.04	1.87	2.12	46.1	0.656	19.2	0.0373	8.1828	27.9512	36.6216	4.6059	3.693	3.779	1.2
1008	7.89	1.56	0.127	19.5	0.238	13.3	0.017	2.5584	2.5633	45.9921	4.5915	2.399	2.456	1.2
1021	7.50	1.05	0.119	8.75	10.9	12.5	0.0958	2.5605	22.4607	8.0238	3.6357	1.734	1.776	1.2
1256	7.38	0.35	0.861	1.58	0.302	5.51	0.0567	0.7536	7.2518	3.2705	0.25	0.56	0.574	1.2
1272	8.87	3.19	0.025	49.0	1.83	26.4	1.0038	0.6619	4.928	112.942	0.9102	5.148	5.27	1.2
1290	7.90	1.69	0.573	2.69	0.461	7.51	0.005	2.1955	33.1472	3.2876	0.9853	1.955	2.002	1.2
1292	8.25	1.85	1.29	1.30	0.025	8.12	0.0126	2.1894	30.8434	10.3405	0.25	2.124	2.175	1.2
1337	8.14	1.51	0.124	7.76	1.29	101	0.0125	4.6385	56.3764	14.2353	5.2096	3.855	3.946	1.2
1409	7.27	0.35	0.025	5.87	5.20	8.16	0.005	0.8209	10.2126	4.4378	0.9052	0.774	0.793	1.2
1497	7.94	1.44	0.359	7.75	0.448	9.15	0.0156	1.7286	30.0363	4.7801	2.6398	1.871	1.916	1.2
1561	7.55	1.47	0.182	28.0	1.42	16.0	0.114	5.2216	26.0046	19.9398	3.3286	2.621	2.683	1.2
1592	7.87	1.08	0.025	9.44	5.10	6.36	0.0165	1.8167	23.8571	5.3488	1.0384	1.562	1.599	1.2
1628	7.91	2.87	0.301	9.49	0.025	11.7	2.5317	6.12	38.4694	20.2015	3.3387	3.395	3.477	1.2
1654	7.40	0.97	0.491	8.89	14.8	6.99	0.0168	3.0941	24.8661	2.9749	1.6984	1.63	1.668	1.2
1668	7.42	1.00	0.025	4.15	3.44	3.18	0.0283	0.7998	20.0056	3.0349	2.9877	1.242	1.273	1.2
1717	7.91	1.42	0.980	5.19	0.633	6.10	0.005	4.6507	19.9902	9.0367	0.8974	1.755	1.796	1.2
1808	8.09	2.15	0.087	0.805	0.252	12.8	1.2485	3.6631	39.9949	2.9338	1.6573	2.453	2.511	1.2
1864	7.60	1.29	0.025	10.2	9.78	9.97	0.0241	1.3288	32.7665	4.2228	2.3588	1.942	1.988	1.2
1899	7.72	1.55	0.084	4.26	0.025	17.0	0.1931	3.8507	25.8681	8.7581	3.0718	2.025	2.073	1.2
14	8.08	1.89	0.087	8.3	0.062	12.1	0.005	8.222	22.7619	12.6905	3.1127	2.381	2.444	1.3
148	8.13	1.67	0.138	3.42	0.630	13.0	0.0961	1.6201	36.021	3.0905	1.6741	2.055	2.111	1.3
332	8.18	2.09	1.70	12.2	0.215	5.6	0.1434	3.3638	19.4814	30.7249	4.7717	2.642	2.712	1.3

556	7.62	0.43	0.025	1.16	0.184	1.65	0.005	0.5463	7.2667	1.8422	1.0981	0.502	0.516	1.3
564	7.04	1.55	0.100	10.2	1.07	12.0	0.2265	3.5297	17.5509	20.857	3.2892	2.11	2.165	1.3
599	7.74	1.67	0.189	1.25	0.417	31.3	0.005	1.8091	43.7043	1.8024	1.2007	2.373	2.438	1.3
625	8.14	1.53	0.495	3.18	0.213	14.3	0.005	2.4238	28.9707	6.0798	3.3668	1.942	1.995	1.3
633	8.03	1.08	0.025	1.34	0.879	1.76	0.0178	0.4882	21.6774	1.2457	1.0577	1.172	1.203	1.3
640	8.12	1.63	0.484	6.27	0.662	11.8	0.0121	2.4643	31.4143	6.8962	3.0153	2.093	2.147	1.3
663	8.64	4.57	1.44	44.2	0.331	8.71	1.4898	1.1019	4.7217	133.013	3.2562	6.08	6.246	1.3
689	7.98	1.38	0.025	11.9	0.060	17.1	0.005	2.7813	21.3516	17.1232	3.6947	2.078	2.133	1.3
1001	9.01	3.97	1.68	24.3	0.177	24.6	0.1	1.3243	2.2877	116.241	4.619	5.256	5.399	1.3
1221	8.04	2.72	0.187	10.0	0.178	16.1	9.7172	6.6903	35.0656	15.3186	4.7205	3.347	3.435	1.3
1294	8.13	1.39	0.242	3.74	1.83	15.4	0.0315	2.998	30.0044	3.3349	0.5731	1.855	1.904	1.3
1325	8.18	1.69	0.025	1.52	0.025	33.0	0.108	5.328	34.7343	6.3742	1.4754	2.426	2.49	1.3
1420	8.19	2.91	0.085	3.36	3.81	6.21	0.005	6.7063	51.3254	3.3277	1.0684	3.197	3.284	1.3
1480	7.74	1.16	0.445	13.8	11.9	13.0	0.0195	3.065	29.8571	6.1392	3.2954	2.04	2.093	1.3
1499	8.09	1.39	1.13	1.17	0.385	9.75	0.005	2.4745	26.9488	4.1039	0.5054	1.696	1.739	1.3
1535	8.06	1.90	0.085	1.01	0.275	1.82	0.005	2.2853	35.0992	1.54	0.9045	1.977	2.029	1.3
1542	7.94	1.79	0.443	20.4	0.726	46.2	0.005	2.098	48.3296	18.5114	2.1314	3.356	3.443	1.3
1567	8.17	1.74	0.250	5.30	0.025	11.1	0.057	1.0384	26.9397	17.2605	0.25	2.133	2.188	1.3
1575	7.39	0.30	0.025	4.66	2.52	4.51	0.0202	0.8123	6.8724	3.323	0.9614	0.564	0.579	1.3
1591	8.37	2.56	4.55	19.8	0.025	74.7	0.0257	1.6226	14.9805	94.4732	2.268	4.916	5.047	1.3
1629	6.83	0.30	0.118	13.6	50.2	28.9	0.0231	3.8561	28.7013	5.7813	5.9209	2.097	2.152	1.3
1632	7.86	1.06	0.025	5.58	0.392	2.25	0.0136	0.9443	19.7855	5.3726	0.25	1.273	1.305	1.3
1735	8.16	2.79	2.90	66.8	0.348	14.3	0.0171	14.7707	28.6275	58.3512	3.1202	5.128	5.261	1.3
1736	8.16	3.98	1.62	50.6	6.00	35.8	0.005	14.3335	38.9762	68.7327	15.1319	6.328	6.499	1.3
18	8.12	1.24	0.299	5.1	0.319	6.2	0.005	1.3831	22.4548	7.3072	0.9203	1.531	1.575	1.4
153	8.18	1.99	0.025	11.2	1.85	22.7	0.005	3.5863	47.493	3.5576	2.8773	2.81	2.892	1.4

159	7.89	1.42	0.391	8.89	2.12	22.8	0.0335	2.4612	29.5864	11.791	2.553	2.196	2.257	1.4
183	7.76	0.67	< 0.05	5.43	0.759	6.18	0.0335	0.9831	15.1974	2.5567	1.5093	0.962	0.99	1.4
299	7.82	1.04	0.025	1.90	0.529	7.8	0.0179	1.5226	21.6477	2.038	0.25	1.265	1.301	1.4
311	6.14	0.05	0.117	31.9	1.95	5.6	0.0596	1.2737	17.8454	2.715	0.913	1.107	1.138	1.4
450	7.46	0.99	0.025	12.2	19.3	14.9	0.0376	2.2486	27.6806	8.7505	2.4166	1.953	2.009	1.4
626	7.03	0.13	0.025	1.45	1.27	2.26	0.005	0.4709	2.3419	1.5192	1.0365	0.242	0.248	1.4
653	7.95	1.77	0.025	0.767	0.614	7.90	0.005	3.8426	31.1214	2.3691	2.2289	1.972	2.029	1.4
661	7.91	2.67	0.181	29.9	0.858	10.3	1.1122	6.8965	35.9194	30.0518	5.7784	3.75	3.853	1.4
765	7.91	3.46	0.571	5.96	0.025	4.91	2.9516	1.9175	65.1073	6.9982	2.1237	3.763	3.869	1.4
774	7.92	3.34	0.073	10.4	0.025	85.6	2.6162	3.5239	100.608	3.0203	1.3939	5.415	5.569	1.4
926	8.11	1.71	4.88	17.2	0.025	12.3	0.2478	0.587	1.8279	59.6303	1.5941	2.705	2.782	1.4
982	7.49	0.74	0.316	32.9	0.025	19.5	0.0943	3.037	11.1774	29.5184	2.1405	2.09	2.149	1.4
1000	7.89	3.42	0.121	11.8	0.025	33.2	2.1754	7.4867	65.4046	12.6821	2.5773	4.446	4.574	1.4
1157	8.32	2.44	2.80	14.7	0.025	6.69	0.005	0.0774	0.1317	72.7911	1.9007	3.137	3.227	1.4
1163	7.94	1.26	0.025	52.0	4.38	23.8	0.0532	3.0393	47.9159	13.3819	6.405	3.294	3.388	1.4
1178	7.86	1.12	0.025	1.94	0.025	5.69	0.1066	0.5951	24.0767	1.3515	0.6251	1.291	1.328	1.4
1457	8.21	1.91	0.161	8.65	0.025	66.4	0.005	10.7384	33.814	22.3771	3.7096	3.54	3.638	1.4
1476	8.18	1.36	1.21	1.03	0.025	12.0	0.0665	1.8676	19.8231	13.504	0.7532	1.702	1.751	1.4
1488	7.93	0.91	3.32	32.0	0.025	67.4	0.0489	2.3253	37.5571	31.2777	2.4522	3.39	3.489	1.4
1511	7.96	1.09	0.108	1.01	1.45	6.64	0.045	0.5803	23.6176	1.307	1.4438	1.285	1.321	1.4
1549	8.06	3.24	0.257	37.0	2.52	50.2	0.0221	13.1118	48.9489	43.8579	4.393	5.382	5.541	1.4
1556	8.14	2.64	0.186	23.9	0.025	8.83	1.0092	6.8059	46.0818	14.3043	3.555	3.505	3.608	1.4
1571	8.03	1.44	0.215	2.37	0.460	7.48	0.0221	1.9928	25.7485	4.1818	3.8082	1.679	1.728	1.4
1642	7.45	1.51	0.321	11.8	5.75	4.56	0.377	4.5535	23.4326	9.6519	4.9138	2.045	2.102	1.4
1656	7.87	1.76	0.783	5.78	4.30	9.19	0.0525	4.8893	28.9186	7.385	4.5844	2.224	2.285	1.4
1696	7.00	0.37	0.025	9.23	7.05	8.03	0.0326	1.2949	10.3756	5.7655	2.3045	0.909	0.935	1.4

1720	7.54	1.06	0.667	5.27	5.54	6.55	0.0384	5.0536	14.7766	7.7136	0.8726	1.469	1.512	1.4
1750	8.13	1.59	0.025	5.16	3.41	9.76	0.005	1.2409	36.7042	2.3029	0.6981	1.993	2.051	1.4
1779	8.26	3.24	1.27	28.9	4.13	14.4	0.005	11.8438	53.0839	20.8545	3.6098	4.491	4.622	1.4
1863	7.41	0.56	0.025	9.68	1.93	6.42	0.005	1.0958	14.2645	4.4497	1.2401	0.999	1.027	1.4
1866	8.28	2.73	0.633	19.9	0.025	10.5	1.8062	1.9787	8.4755	67.2942	2.6446	3.541	3.644	1.4
1891	7.76	1.71	0.280	4.57	0.494	14.4	0.0222	4.258	28.7691	8.5966	2.443	2.163	2.222	1.4
1904	7.58	0.82	0.025	17.7	86.8	16.8	0.005	6.7834	47.3038	3.9005	2.8065	3.074	3.159	1.4
81	8.14	1.22	0.093	33.9	0.329	6.0	0.0551	4.2434	11.8017	31.841	2.2696	2.31	2.382	1.5
137	8.23	1.85	2.59	3.14	0.025	8.84	0.005	2.9405	29.7057	13.3687	0.667	2.255	2.322	1.5
164	7.39	0.44	0.097	6.59	5.34	6.86	0.1452	1.316	12.0044	2.1646	3.1572	0.861	0.887	1.5
245	8.08	1.75	0.229	5.80	0.537	7.07	0.8502	4.2742	29.3413	5.5002	2.3718	2.081	2.145	1.5
304	8.23	1.82	1.63	0.79	0.025	3.50	0.005	2.1543	25.9931	13.1397	0.5929	2.001	2.06	1.5
449	7.51	1.59	0.025	10.1	0.025	15.7	0.6415	3.6763	20.0287	19.0182	4.7353	2.206	2.272	1.5
494	8.42	3.07	0.340	18.2	0.025	6.11	0.005	1.7428	7.12	76.1307	1.2341	3.723	3.84	1.5
504	7.86	1.53	0.025	4.07	6.51	9.42	0.0635	2.4288	31.6133	4.1814	1.5945	1.943	2.001	1.5
546	8.03	1.29	0.646	9.65	1.16	91	0.005	2.6739	52.4867	15.639	4.0331	3.511	3.621	1.5
557	7.21	0.38	0.303	9.87	0.720	5.13	0.0647	1.2463	8.3922	4.1155	4.372	0.791	0.814	1.5
559	9.43	0.90	0.7700	3.38	0.025	8.67	0.4271	0.2113	8.0954	17.919	1.2866	1.212	1.248	1.5
624	6.69	0.17	0.051	1.53	1.88	3.06	0.0197	0.3782	3.9362	1.4804	1.0105	0.309	0.318	1.5
659	7.90	1.62	0.715	3.95	0.297	11.7	0.0122	3.5454	26.3502	9.6547	1.9119	2.012	2.075	1.5
674	7.20	0.37	0.025	2.04	4.30	6.33	0.0143	1.1019	8.3103	1.5552	2.8096	0.627	0.645	1.5
761	7.78	2.85	0.090	30.7	0.025	11.6	4.9186	9.3124	42.3235	19.4201	7.325	3.964	4.085	1.5
845	6.58	0.12	0.157	1.36	0.163	3.75	0.0458	0.3961	2.9177	1.5849	0.25	0.248	0.255	1.5
1333	7.17	0.38	0.098	12.8	8.05	11.5	0.0748	1.7739	9.6029	10.5818	2.5382	1.118	1.153	1.5
1339	8.14	1.59	0.128	7.57	5.92	25.2	0.0291	5.4262	24.3246	15.6311	6.2306	2.428	2.5	1.5
1428	7.21	0.39	0.073	1.61	0.025	2.63	0.382	0.482	7.5669	1.4235	0.502	0.49	0.505	1.5

1500	7.68	0.42	0.025	0.368	0.469	3.57	0.005	0.8071	8.0158	1.055	0.548	0.511	0.526	1.5
1502	7.04	0.52	0.836	1.44	0.386	3.21	0.3557	1.1749	8.2397	2.9034	1.8366	0.673	0.694	1.5
1513	8.26	1.85	0.618	2.20	0.025	8.24	0.0528	0.7049	4.7843	42.9489	0.6606	2.117	2.183	1.5
1585	8.07	1.18	0.873	25.8	2.85	19.1	0.171	1.9688	10.9248	38.8522	2.7773	2.4	2.473	1.5
1637	6.87	0.50	0.025	8.40	0.764	4.50	0.0661	1.1143	9.5857	6.3401	0.9109	0.845	0.871	1.5
1727	7.45	1.14	0.025	4.95	1.93	5.52	0.005	2.3789	21.0581	4.436	1.2371	1.428	1.471	1.5
1739	8.26	3.12	2.50	59.7	0.025	92.9	0.005	8.8427	32.576	106.847	3.0209	6.862	7.075	1.5
1747	8.19	1.81	0.917	49.1	0.025	23.7	0.045	6.136	28.6439	41.8836	3.6546	3.735	3.85	1.5
1765	8.30	2.76	1.63	24.7	0.219	6.30	0.005	6.2505	39.9477	28.8077	1.3503	3.679	3.794	1.5
1774	8.23	1.94	1.55	2.22	0.158	5.97	0.005	2.1767	36.2026	6.035	1.2393	2.211	2.279	1.5
20	8.81	1.66	0.214	8.8	0.025	10.7	0.0176	0.2248	2.6231	46.6869	1.1774	2.142	2.21	1.6
110	7.99	1.68	1.23	2.94	0.025	13.0	1.5578	3.0477	26.6144	10.3403	3.1739	2.099	2.165	1.6
139	8.26	1.61	3.09	3.90	1.49	10.7	0.0201	2.4967	23.8834	17.8843	0.7063	2.125	2.193	1.6
147	8.05	1.65	0.965	5.16	0.620	9.01	0.0201	0.9188	36.8306	3.5205	1.6898	2.043	2.11	1.6
152	8.19	2.15	1.42	7.02	0.896	9.21	0.005	4.008	42.685	4.7517	1.8179	2.626	2.712	1.6
594	8.15	1.69	1.26	1.37	0.025	6.00	0.0144	1.9429	28.3004	8.8934	0.9318	1.92	1.982	1.6
614	7.34	1.47	0.263	1.95	1.12	8.36	0.0103	1.8602	30.9023	1.7741	0.663	1.731	1.789	1.6
670	7.48	0.48	0.025	2.26	1.17	5.51	0.0102	2.1185	8.5309	1.3134	1.577	0.675	0.698	1.6
829	7.65	1.64	0.206	11.7	3.78	13.6	0.0392	3.5055	30.702	12.1283	2.1888	2.329	2.404	1.6
935	7.96	2.43	6.26	37.4	0.337	21.3	1.5965	2.2377	2.8503	89.2088	5.3412	4.257	4.399	1.6
1159	8.65	3.12	1.40	18.8	0.223	21.6	0.0123	3.4378	14.2546	73.55	4.4487	4.172	4.306	1.6
1250	6.87	0.17	0.260	2.64	2.25	4.29	0.0756	0.5092	5.1985	1.9606	0.25	0.383	0.396	1.6
1636	8.15	1.56	0.066	7.11	0.893	13.1	0.005	2.5051	32.3039	5.3816	2.5164	2.05	2.116	1.6
1643	8.03	1.26	0.088	6.92	0.581	7.23	0.005	1.5322	25.0414	5.3432	2.6233	1.621	1.675	1.6
1651	6.38	0.15	0.174	25.2	0.025	18.5	0.005	3.1239	7.6784	14.4349	1.0934	1.254	1.296	1.6
319	7.68	0.80	0.025	7.2	9.2	6.2	0.1093	1.6831	20.1338	2.5389	2.7627	1.282	1.328	1.7

475	7.50	0.72	1.52	2.83	0.607	8.21	0.005	1.7668	16.2637	3.1626	0.25	1.063	1.101	1.7
498	7.39	0.46	0.101	8.85	55.9	9.39	0.1239	3.0331	21.3719	10.2272	4.2059	1.81	1.872	1.7
691	7.63	0.77	0.025	7.39	4.74	21.0	0.1022	2.1113	20.3391	6.3121	3.0579	1.493	1.544	1.7
696	7.28	0.50	0.025	9.16	5.50	11.4	0.022	1.8907	10.108	8.8678	2.8148	1.081	1.118	1.7
1020	7.40	0.74	0.050	7.91	1.32	6.38	0.0681	2.9233	12.1908	6.5685	0.7932	1.118	1.157	1.7
1216	7.44	0.95	0.067	7.52	3.63	13.1	0.159	2.8251	15.3627	7.3288	9.0125	1.5	1.554	1.7
1416	8.14	4.71	0.427	49.4	1.31	26.3	0.874	5.9117	26.3603	111.679	9.0342	6.692	6.919	1.7
1455	7.41	0.68	0.025	12.1	0.310	3.23	0.1202	4.4041	9.0406	6.6586	0.9144	1.092	1.131	1.7
1459	8.16	1.88	0.025	6.70	0.447	13.7	0.005	5.7604	34.6407	4.8433	1.4893	2.366	2.451	1.7
1473	8.05	6.80	0.127	27.9	7.50	99.8	2.7146	25.7584	70.0704	89.7215	19.7968	9.789	10.119	1.7
1507	7.74	0.69	0.551	1.27	0.671	4.99	0.0117	0.7315	13.854	2.3693	1.5338	0.865	0.894	1.7
1589	7.83	2.79	0.073	9.68	0.025	6.87	2.2132	4.3777	25.5912	34.8875	3.3213	3.205	3.318	1.7
1893	7.54	3.83	0.321	41.8	4.57	23.2	0.0311	19.2514	61.2748	23.1131	5.212	5.584	5.78	1.7
41	8.07	2.52	0.171	6.6	0.025	8.1	2.8465	2.7298	46.9784	7.3851	0.025	2.883	2.991	1.8
427	7.78	1.07	0.025	3.63	4.56	38.9	0.0127	6.1019	28.9977	2.7547	2.6323	2.06	2.136	1.8
495	8.92	2.77	0.399	23.1	1.68	10.6	0.093	1.4251	5.5289	78.3335	0.9773	3.688	3.827	1.8
521	8.19	4.18	0.072	457	0.025	57.4	0.6689	45.3017	114.316	213.291	7.7818	18.252	18.927	1.8
591	8.25	1.82	2.48	0.865	0.025	3.61	0.005	2.0413	28.9743	11.3477	0.6977	2.05	2.125	1.8
595	8.25	2.09	0.646	1.53	0.025	13.1	0.0123	2.6535	39.0234	7.025	2.3041	2.44	2.53	1.8
635	8.14	0.82	0.025	2.53	1.08	2.75	0.005	0.7179	16.1967	2.3304	1.478	0.97	1.006	1.8
1068	7.93	0.87	0.073	6.90	1.27	9.63	0.6386	1.62	14.1291	7.7988	5.4859	1.292	1.34	1.8
1107	8.27	4.18	0.135	16.4	0.273	45.7	0.0245	0.232	1.3544	130.705	1.4812	5.603	5.808	1.8
1217	7.97	1.81	0.158	4.75	0.025	7.52	0.9909	3.2801	29.9083	7.701	2.0834	2.109	2.185	1.8
1429	7.85	0.75	0.281	8.27	1.02	63.9	0.036	0.7664	37.8452	9.1811	3.2373	2.349	2.434	1.8
1526	7.51	0.58	0.097	1.99	5.58	5.44	0.0286	1.9041	10.9782	3.2078	1.1102	0.842	0.873	1.8
1597	6.66	0.18	0.025	6.14	5.78	7.71	0.0607	1.3385	6.471	4.019	0.7328	0.607	0.629	1.8

1647	7.22	0.60	0.025	19.8	4.99	7.49	0.2837	2.923	9.4893	15.0899	2.5747	1.396	1.446	1.8
1754	7.58	0.78	1.01	5.53	3.98	5.35	0.005	1.3807	16.3958	5.3587	1.813	1.169	1.211	1.8
1909	7.69	1.58	0.156	46.8	9.6	15.3	0.4172	3.5051	41.6694	22.3248	5.8379	3.38	3.502	1.8
23	7.4	0.23	0.025	6.6	0.900	6.4	0.0371	0.727	4.442	6.6113	0.6388	0.565	0.586	1.9
44	7.85	0.71	0.774	6.2	0.184	61.4	0.1699	0.7209	35.3205	10.6447	0.025	2.206	2.29	1.9
53	7.82	1.07	0.025	20.6	1.310	22.2	0.0452	3.801	11.9508	27.2242	4.8524	2.135	2.218	1.9
83	7.22	0.18	0.025	8.8	0.096	1.9	0.005	1.0588	2.4003	6.0386	0.6512	0.468	0.486	1.9
191	8.04	1.42	0.727	1.77	< 0.05	4.60	0.9853	3.9769	20.8581	3.5517	4.1433	1.603	1.663	1.9
279	8.09	1.88	0.759	1.48	0.16	8.04	0.0114	4.0077	31.3363	6.0827	2.1565	2.131	2.213	1.9
446	8.05	1.34	0.116	9.87	0.025	16.4	0.2674	2.7556	29.1195	6.558	2.7729	1.968	2.045	1.9
465	6.88	0.10	0.025	2.02	0.819	3.00	0.0132	0.2529	2.2523	2.461	0.25	0.238	0.247	1.9
600	7.78	1.85	0.913	1.51	0.025	6.67	0.0164	0.4665	5.6052	42.0121	0.5146	2.08	2.158	1.9
669	7.62	1.14	0.081	6.58	12.9	16.1	0.0102	3.5949	28.1602	3.1319	4.1871	1.871	1.944	1.9
744	7.27	1.03	0.025	6.69	10.9	8.59	0.026	2.5944	19.3261	6.7388	6.5824	1.579	1.64	1.9
775	7.12	0.42	0.025	5.91	5.14	8.99	0.0293	1.3819	13.2951	2.1131	0.8564	0.859	0.892	1.9
1173	7.73	1.61	0.321	11.6	2.58	17.4	0.1779	3.5059	26.7662	17.0573	2.903	2.356	2.446	1.9
1315	7.33	0.90	0.086	7.49	1.14	24.0	0.0441	2.5805	23.2164	6.0105	2.6708	1.638	1.702	1.9
1640	8.12	1.28	0.434	10.2	2.30	53.9	0.0389	2.7059	26.2842	28.4949	3.3835	2.754	2.86	1.9
1786	7.02	0.34	0.086	2.51	3.92	5.18	0.0437	0.912	8.9083	1.8124	0.5776	0.591	0.615	1.9
190	7.98	1.41	0.747	1.82	< 0.05	4.62	0.7261	3.988	20.981	3.5669	3.9733	1.593	1.657	2
254	7.32	0.21	0.025	4.13	1.28	4.00	0.1037	0.46	2.5429	6.3027	0.25	0.432	0.449	2
334	5.43	0.04	0.069	13.7	0.245	3.66	1.485	0.6956	1.4325	7.3937	1.0748	0.51	0.531	2
451	7.97	1.23	0.115	8.75	0.025	16.8	0.0376	1.9729	26.3889	8.33	2.5571	1.833	1.907	2
606	8.38	1.78	2.41	2.54	0.025	6.11	0.005	1.8602	24.9306	18.1874	0.25	2.106	2.194	2
618	7.24	0.5	0.025	3.07	7.73	5.81	0.036	0.8129	12.2096	3.8397	0.9144	0.833	0.867	2
668	7.35	0.40	0.051	5.82	4.03	6.79	0.0245	1.9996	8.9427	2.3308	3.6361	0.775	0.806	2

772	7.88	1.22	0.084	2.36	0.314	9.77	0.005	5.1304	14.3528	9.2527	0.6356	1.497	1.557	2
1003	8.05	2.16	1.51	18.6	0.103	10.5	0.3384	2.3801	3.3203	58.6767	7.1838	2.987	3.109	2
1105	8.15	4.63	1.97	7.50	2.45	33.5	0.0445	10.3156	58.4465	46.6973	4.7571	5.684	5.918	2
1413	7.65	1.27	0.136	13.8	2.65	10.9	0.084	2.2106	26.4843	9.8304	3.0395	1.931	2.011	2
1469	7.63	0.85	0.737	3.12	0.025	4.88	0.005	1.9101	16.5654	2.8645	0.5848	1.08	1.123	2
1862	7.35	0.64	0.025	7.09	1.51	4.62	0.0482	0.681	14.7477	4.4183	0.7791	0.965	1.005	2
85	8.24	2.63	0.025	22.9	0.025	7.2	0.1141	7.1937	30.1543	31.6966	3.6442	3.427	3.571	2.1
151	8.11	1.81	0.025	1.75	1.42	7.68	0.2279	2.4967	35.6558	2.2835	1.5354	2.043	2.131	2.1
171	7.28	1.46	0.271	7.53	0.498	9.32	0.0134	1.8109	30.7479	5.0308	2.4274	1.884	1.964	2.1
177	8.30	2.16	0.085	3.60	3.71	16.9	< 0.0100	6.2916	36.8554	8.8625	1.7761	2.673	2.787	2.1
608	6.16	0.14	0.056	6.34	5.54	11.1	0.1786	0.9232	7.6841	3.9488	1.2703	0.642	0.67	2.1
672	7.95	1.31	1.09	2.01	0.025	55.9	0.005	1.3575	45.8728	3.9037	5.0445	2.587	2.699	2.1
1635	7.19	0.50	0.316	2.83	2.63	3.79	0.0175	0.5756	9.4507	4.4158	1.3602	0.715	0.746	2.1
1646	8.27	1.83	2.09	10.8	0.438	48.2	0.005	1.61	47.2994	18.9353	3.1261	3.258	3.395	2.1
1724	8.23	3.95	1.47	60.4	0.452	23.6	0.0256	12.7454	24.8338	94.2923	4.2993	6.225	6.498	2.1
80	8.26	3.19	0.025	17.1	0.025	9.3	0.0177	9.5817	35.4752	30.8815	5.5369	3.867	4.043	2.2
82	8.28	1.85	0.065	41.9	0.025	7.0	0.005	8.8191	26.975	27.3948	2.3361	3.179	3.322	2.2
142	8.22	2.11	0.334	2.83	0.154	7.38	0.0134	3.5775	32.8909	11.6502	0.9652	2.359	2.467	2.2
167	8.35	1.04	3.53	8.35	< 0.05	26.8	0.0134	1.5269	15.158	27.8076	0.6984	2.018	2.109	2.2
173	7.66	0.67	0.572	2.93	2.63	6.60	< 0.0100	0.9609	14.6609	2.8864	2.7962	0.965	1.007	2.2
280	8.11	1.53	2.28	1.31	0.025	6.59	0.3869	1.9508	27.3537	8.2621	0.56	1.828	1.912	2.2
301	8.06	1.26	0.229	1.35	2.06	5.3	0.005	1.3539	23.6822	4.4495	1.2488	1.453	1.518	2.2
331	7.83	0.87	0.588	10.8	0.025	13.2	0.1495	2.8364	16.1373	10.4512	1.9317	1.48	1.547	2.2
547	6.59	0.06	0.025	2.58	1.80	2.27	0.005	0.3116	1.7579	1.804	0.9783	0.208	0.217	2.2
748	7.40	0.76	0.116	8.77	20.9	23.0	0.1826	2.2299	24.7582	7.6248	6.1002	1.832	1.912	2.2
865	7.99	1.70	0.438	11.1	1.27	11.6	0.074	5.3762	25.4514	14.7887	1.5525	2.296	2.397	2.2

871	8.09	1.42	0.025	5.27	0.025	1.81	0.0202	1.5048	28.2506	3.144	0.25	1.604	1.677	2.2
1503	8.13	1.55	1.42	1.00	0.025	21.7	1.5598	2.9158	31.1633	5.9652	3.7057	2.109	2.204	2.2
1641	8.11	1.50	0.087	10.8	2.45	11.4	0.3245	3.5395	30.5419	6.5436	2.939	2.09	2.186	2.2
1667	7.75	0.66	2.60	6.84	0.159	141	0.2435	0.3999	58.8803	24.9395	1.4261	3.925	4.099	2.2
176	7.48	1.00	< 0.05	4.82	9.88	6.30	0.1586	1.2539	24.7923	1.8543	2.8433	1.431	1.499	2.3
321	7.24	0.27	0.0810	1.84	3.70	4.27	0.005	0.8519	6.512	1.5279	1.1911	0.47	0.492	2.3
453	8.11	1.69	0.770	8.94	1.97	17.5	0.0125	4.056	31.8471	11.6482	2.1456	2.374	2.484	2.3
162	7.90	1.74	0.227	6.95	0.025	13.4	0.0335	2.6764	28.9476	14.3149	1.763	2.224	2.333	2.4
558	7.53	0.70	0.275	4.70	1.21	8.66	0.412	1.577	13.8691	4.1646	3.2102	1.047	1.099	2.4
866	8.35	1.57	0.159	38.4	7.07	24.5	1.9829	6.3973	47.9699	9.2918	2.1344	3.285	3.449	2.4
969	6.63	0.24	0.574	20.8	0.208	8.08	5.5132	2.0129	5.0257	10.5926	0.25	1.03	1.081	2.4
1067	7.75	1.07	0.440	5.43	0.025	17.6	0.7833	1.0953	15.5025	16.7227	2.7194	1.609	1.688	2.4
1329	7.77	1.90	0.612	8.49	0.025	8.83	0.9925	2.3778	36.337	8.9302	1.6059	2.356	2.473	2.4
1462	8.14	1.38	0.025	6.01	0.600	7.64	0.005	3.8222	24.6579	4.483	2.6242	1.723	1.807	2.4
1477	7.91	1.50	0.479	1.86	0.284	6.18	0.0704	1.2975	30.398	3.0301	1.4263	1.71	1.794	2.4
74	7.99	0.85	0.255	11.5	0.025	38.1	0.4662	0.8547	29.2662	11.5778	1.308	1.981	2.084	2.5
84	8.17	1.31	0.025	14.7	0.025	5.2	0.0118	5.3763	17.027	12.7441	3.2063	1.834	1.928	2.5
144	8.00	1.46	1.52	2.85	0.084	8.35	0.2167	1.7244	28.7586	5.8774	1.6924	1.791	1.883	2.5
545	7.47	0.55	0.972	22.3	0.107	305	0.005	2.5416	124.73	34.0756	2.2344	7.577	7.969	2.5
604	6.42	0.15	0.065	3.01	9.09	4.57	0.005	1.6457	5.1105	2.1912	0.7163	0.48	0.504	2.5
1479	7.73	1.23	0.443	7.90	3.52	19.2	0.0332	2.3723	26.1364	10.5836	2.7449	1.932	2.03	2.5
1552	7.80	1.41	0.143	4.74	0.025	5.68	0.3309	4.3745	21.9583	5.3826	2.3188	1.674	1.76	2.5
1645	8.17	1.50	2.30	7.68	0.120	401	0.0136	0.025	0.5669	245.333	0.25	10.173	10.704	2.5
1679	8.00	1.82	1.51	6.39	0.025	11.6	3.2935	3.4047	27.9008	13.8031	1.8625	2.32	2.438	2.5
1796	7.24	1.27	0.025	3.54	1.71	11.2	0.3266	6.0107	21.3141	2.0175	2.1055	1.627	1.711	2.5
168	8.17	1.21	1.42	6.71	0.113	12.3	< 0.0100	1.8309	26.7942	6.5613	2.1135	1.733	1.827	2.6

447	8.18	1.93	0.025	6.22	0.025	11.7	0.005	2.0238	40.2401	5.1816	2.926	2.346	2.474	2.6
503	8.06	1.58	0.102	4.86	0.085	18.7	0.0318	3.5274	28.8781	10.415	1.4507	2.11	2.222	2.6
580	8.11	2.54	0.025	19.2	0.917	17.2	0.0177	5.9858	27.903	35.4705	8.4066	3.455	3.642	2.6
605	6.59	0.22	0.025	4.83	2.21	6.00	0.005	0.5945	8.5471	1.4678	0.25	0.518	0.546	2.6
658	7.50	0.35	0.234	12.2	1.25	242	0.005	0.4168	82.4651	43.9682	0.25	5.761	6.066	2.6
1113	8.62	6.87	0.857	13.6	4.99	57.2	0.0645	4.3792	14.5367	179.765	4.488	8.565	9.018	2.6
336	8.05	2.3	2.43	7.92	0.197	14.1	0.005	4.836	32.9805	23.377	1.939	2.948	3.109	2.7
589	7.07	0.74	0.346	3.08	0.798	4.12	0.005	1.6693	12.1882	4.1145	2.7886	0.944	0.996	2.7
847	7.30	0.81	0.025	3.21	11.6	11.2	0.0283	1.2924	21.7194	3.4102	2.2999	1.324	1.398	2.7
884	9.30	4.57	0.706	0.05	0.128	86.5	0.005	0.598	1.3594	151.219	2.9416	6.413	6.767	2.7
890	7.46	1.07	0.097	6.89	5.29	6.07	0.0708	3.282	20.4228	3.8092	4.2252	1.482	1.565	2.7
895	6.42	0.16	0.025	20.8	0.071	17.9	0.7559	0.8837	4.3273	19.4454	0.9682	1.123	1.186	2.7
1006	7.56	1.60	0.869	18.7	0.278	7.76	0.2512	0.5843	0.8138	52.8544	3.0327	2.341	2.473	2.7
1076	8.20	2.35	0.293	9.29	0.025	43.2	0.1513	3.472	53.8674	13.4259	6.523	3.529	3.728	2.7
1467	7.92	1.47	0.025	6.92	4.75	7.43	0.005	1.6332	32.3655	5.2692	1.0086	1.898	2.004	2.7
1797	7.14	0.76	0.132	27.4	1.23	47.2	0.0956	3.9275	35.1493	12.6773	2.0847	2.545	2.684	2.7
1853	7.83	3.34	0.148	7.90	0.025	14.8	0.0154	4.7239	57.7612	17.2579	2.6706	3.875	4.089	2.7
1883	7.00	0.59	0.851	13.7	14.4	24.5	0.4261	5.0132	13.9358	13.9273	5.4168	1.767	1.867	2.7
1896	6.67	0.48	0.087	5.95	0.714	7.47	0.02	1.7679	9.8163	4.1603	1.8633	0.819	0.864	2.7
165	7.83	0.88	0.757	9.67	6.73	8.46	< 0.0100	1.842	21.6162	4.2263	5.5977	1.473	1.557	2.8
184	7.71	0.48	< 0.05	2.79	1.33	5.89	0.2033	0.81	11.1124	1.7818	1.3	0.699	0.739	2.8
187	7.99	1.00	0.299	0.934	< 0.05	3.76	0.0313	2.024	17.1285	2.7498	1.7238	1.121	1.186	2.8
1328	7.78	0.61	0.025	4.03	2.56	20.3	0.0125	2.0853	19.3127	1.61	1.8488	1.185	1.253	2.8
1650	8.12	1.82	0.025	23.0	0.025	8.42	0.0641	16.6202	12.8725	15.5998	4.2264	2.646	2.799	2.8
106	7.96	1.41	0.025	10.2	1.97	6.85	1.772	2.387	29.1754	5.3551	1.4852	1.873	1.986	2.9
155	8.24	2.04	1.79	1.55	0.025	11.3	0.0156	1.6356	44.3569	4.7508	0.25	2.414	2.56	2.9

170	8.05	0.97	1.50	8.51	< 0.05	136	< 0.0100	1.7377	65.9368	20.3061	1.8206	4.118	4.361	2.9
189	8.29	2.00	0.442	1.45	< 0.05	6.23	0.315	2.3879	28.7477	15.2458	0.8109	2.195	2.325	2.9
307	7.36	0.68	0.229	3.13	2.91	3.90	0.0318	2.1584	11.9884	3.174	1.8523	0.908	0.962	2.9
742	7.60	0.48	0.025	4.15	0.245	5.86	0.0441	1.0596	9.5723	4.0322	1.1765	0.729	0.772	2.9
942	7.44	0.88	0.689	52.9	30.5	30.5	0.136	6.8422	25.2571	37.1474	11.7854	3.53	3.744	2.9
1878	6.98	0.12	0.112	2.92	1.40	4.56	0.0244	0.6913	3.6055	2.3962	0.25	0.329	0.348	2.9
88	8.03	1.31	0.025	17.9	0.025	5.7	0.005	2.6641	21.9919	14.5511	4.1375	1.935	2.055	3
429	7.89	2.13	0.025	4.88	7.63	15.7	0.005	11.0361	35.9433	2.6579	2.99	2.723	2.893	3
553	8.07	2.62	0.0520	0.144	0.025	4.79	1.5035	9.3	36.9294	3.9857	2.4306	2.727	2.897	3
601	6.77	0.37	0.025	3.10	2.29	3.91	0.0267	1.0453	8.4477	1.8291	0.9573	0.577	0.612	3
1110	8.18	5.12	0.068	24.9	7.07	57.6	0.0111	18.7793	31.9941	99.6894	4.0256	7.138	7.579	3
1117	8.26	5.08	0.191	12.1	1.35	47.0	0.0935	28.6747	59.768	31.6838	4.326	6.433	6.833	3
158	8.22	1.82	1.92	2.25	0.147	12.0	0.005	3.7949	34.6288	7.0908	1.1274	2.234	2.377	3.1
1024	7.18	0.46	0.087	2.55	4.70	13.4	0.166	1.4637	11.2716	4.2969	2.8525	0.892	0.948	3.1
1060	6.02	0.06	0.052	3.19	5.91	2.91	0.005	0.763	2.1426	2.83	1.3584	0.308	0.328	3.1
1062	7.80	1.08	1.07	6.97	3.54	167	0.1024	1.6137	92.5212	8.0123	2.6672	4.861	5.168	3.1
1077	7.64	1.23	0.847	5.53	0.025	50.9	1.393	1.6806	41.7292	7.6891	1.7555	2.49	2.649	3.1
1209	7.30	0.61	0.025	1.69	0.879	4.59	0.144	1.0152	12.9657	1.5156	0.6502	0.769	0.818	3.1
55	7.71	3.14	0.025	15.5	0.084	9.9	1.9847	5.8587	34.293	37.8757	4.8691	3.785	4.035	3.2
77	7.84	1.09	0.058	6.9	0.025	24.1	0.005	1.3431	28.4145	8.071	1.236	1.791	1.91	3.2
181	7.53	0.98	< 0.05	4.49	5.36	13.3	0.1475	2.4656	25.1399	1.7135	1.2373	1.472	1.568	3.2
302	7.95	1.36	0.69	1.49	0.155	10.3	0.1451	2.4095	24.5115	7.6426	0.25	1.655	1.765	3.2
771	7.41	0.40	0.025	3.56	4.07	5.24	0.005	1.2234	10.5089	2.1451	0.25	0.68	0.725	3.2
872	7.90	0.89	0.025	7.27	0.736	2.64	0.0157	1.6556	17.7972	4.8521	0.25	1.165	1.242	3.2
1631	8.50	1.51	0.082	8.21	0.025	3.69	0.4897	1.6592	7.4083	31.9962	1.1756	1.826	1.945	3.2
1775	6.84	0.08	0.03	77.0	0.959	0.05	0.0437	0.025	0.2433	54.9524	0.5845	2.271	2.42	3.2

1872	7.61	1.24	0.158	45.9	0.340	19.1	0.0548	5.1997	16.9489	40.4609	4.1677	2.949	3.141	3.2
185	8.25	2.43	0.095	1.73	< 0.05	6.04	0.6278	3.3355	46.1396	2.2978	3.6437	2.614	2.791	3.3
290	7.44	0.52	0.216	1.17	0.082	8.5	0.0139	0.6831	6.7396	9.0393	0.25	0.742	0.792	3.3
452	8.04	1.35	0.182	10.8	2.44	12.1	0.0251	1.8795	32.859	5.446	2.1631	1.952	2.087	3.3
454	8.08	1.39	0.149	6.17	0.025	13.0	0.0146	2.361	29.1183	6.3939	1.7867	1.844	1.971	3.3
636	7.02	0.39	0.811	27.2	0.206	9.01	0.005	1.8448	11.0275	17.3543	1.2041	1.392	1.487	3.3
870	7.26	0.48	0.025	5.20	1.04	4.45	0.5518	1.5399	7.8363	5.1462	1.2029	0.741	0.792	3.3
1197	8.18	2.59	0.025	1.58	0.128	3.76	0.005	5.5913	45.3373	3.6272	0.9126	2.715	2.903	3.3
1638	8.15	1.65	1.06	4.30	1.92	128	0.2643	4.066	72.1314	18.0152	4.0005	4.519	4.827	3.3
71	8.04	1.08	0.204	12.6	0.261	7.9	0.0177	1.3371	14.1225	19.8201	1.9399	1.614	1.726	3.4
87	7.86	1.1	0.025	32.5	2.720	6.0	0.2124	7.8483	15.1364	18.6036	4.7721	2.186	2.339	3.4
859	9.29	2.71	0.339	35.8	0.025	17.7	1.9956	1.3026	2.8855	92.3432	2.305	4.108	4.397	3.4
874	8.12	1.47	0.711	11.1	0.025	67.8	1.6487	5.1157	34.8112	27.5093	1.7743	3.229	3.458	3.4
1061	8.05	1.81	1.03	5.65	2.76	167	0.005	3.4114	103.72	8.3541	4.6421	5.54	5.936	3.4
1160	7.72	1.45	0.025	4.59	3.85	18.0	0.728	4.9263	10.3223	24.3908	6.0886	2.02	2.163	3.4
160	8.19	1.83	0.054	1.41	0.025	9.42	0.0581	3.6374	31.4127	7.0276	1.9461	2.074	2.223	3.5
413	7.77	1.45	2.62	77.2	0.025	17.0	0.4437	2.6006	3.127	89.9577	4.5805	4.116	4.414	3.5
1114	8.12	2.24	0.151	5.89	0.616	21.7	0.0134	3.2107	50.1346	6.8467	0.9143	2.875	3.086	3.5
86	8.13	1.4	0.025	16.5	0.025	5.1	0.0118	1.7414	19.9189	21.4975	1.8955	1.972	2.12	3.6
166	8.26	2.10	< 0.05	1.69	2.10	3.47	0.0737	1.68	44.151	1.1603	1.2373	2.257	2.425	3.6
407	8.16	3.16	4.04	219	0.150	67.3	0.0768	5.0977	21.5964	233.331	5.0684	10.945	11.774	3.6
1066	8.05	1.00	1.68	5.40	0.343	81.7	0.005	0.025	0.043	71.9159	1.1938	2.944	3.162	3.6
1252	6.89	0.28	0.025	2.36	3.63	6.35	0.2373	1.1609	7.7785	1.458	0.9516	0.54	0.58	3.6
1493	7.10	0.29	0.333	1.68	0.184	4.40	0.1134	0.4066	6.9403	1.728	1.0184	0.451	0.485	3.6
72	8.01	0.98	0.051	11.6	0.238	15.6	0.005	2.1797	20.2328	11.9027	2.1948	1.638	1.762	3.7
79	8.07	1.72	0.080	7.1	0.449	4.3	0.0177	11.261	14.2493	9.9236	4.1929	2.021	2.177	3.7

179	7.68	0.68	0.145	1.91	0.819	5.35	0.0492	2.5277	11.6053	2.1393	1.8546	0.864	0.929	3.7
638	7.24	0.41	0.173	4.81	3.44	2.54	0.2443	0.9028	9.0544	3.4493	1.0139	0.66	0.711	3.7
297	7.93	1.3	0.172	1.41	0.025	5.7	0.1412	3.7387	22.4617	2.8736	1.0101	1.467	1.584	3.8
1073	7.98	1.29	2.13	10.3	0.388	335	0.005	2.1844	143.75	43.6614	4.5585	8.673	9.364	3.8
1089	8.15	1.33	2.07	8.26	0.183	101	0.005	2.5606	58.394	19.5864	4.1588	3.779	4.081	3.8
1097	8.06	2.63	0.180	0.923	0.025	8.58	0.0868	2.8261	51.7476	5.1941	1.0449	2.846	3.069	3.8
543	7.84	0.95	0.963	7	0.025	154	0.0561	0.8344	79.5959	15.7139	1.5465	4.407	4.763	3.9
1106	7.06	0.48	0.083	12.6	12.7	17.5	0.2136	2.9975	18.8269	3.5533	6.7947	1.406	1.522	3.9
161	8.17	1.83	1.32	1.29	0.196	12.7	0.0156	1.4869	39.6458	5.9187	0.926	2.2	2.381	4
887	7.03	0.20	0.025	3.20	1.60	3.68	0.0521	0.6741	3.595	3.4313	1.5423	0.393	0.425	4
1082	8.16	3.27	1.10	4.62	0.025	14.6	0.0868	4.8558	64.7807	8.1279	3.2001	3.758	4.069	4
1096	7.23	0.44	0.074	9.36	161	20.3	0.0734	9.2579	54.6347	5.8626	11.3689	3.726	4.035	4
426	7.37	0.56	0.025	1.53	1.08	9.06	0.005	3.6115	9.6774	1.6302	0.9893	0.807	0.876	4.1
592	6.13	0.14	0.063	2.64	5.43	5.02	0.0123	0.5827	5.6095	2.1535	0.8948	0.41	0.445	4.1
800	7.77	0.54	0.062	5.09	2.07	4.88	0.0272	0.6839	13.1941	3.6139	0.5546	0.817	0.887	4.1
835	7.18	0.34	0.025	1.49	2.46	4.92	0.0588	0.4532	9.3384	1.0777	0.5251	0.521	0.565	4.1
1080	8.04	1.55	0.679	5.92	0.025	8.35	0.0334	2.5188	29.9437	7.3861	2.534	1.923	2.088	4.1
1100	8.05	3.51	0.057	3.26	3.80	16.6	0.0512	3.8023	74.6871	6.1335	1.8234	4.012	4.353	4.1
1463	8.01	1.50	0.025	20.0	0.025	15.6	1.1141	3.3547	23.993	23.6345	1.9799	2.385	2.591	4.1
1880	6.37	0.05	0.082	3.18	1.67	4.56	0.1509	0.764	2.3288	2.323	0.25	0.269	0.292	4.1
150	7.37	0.19	3.25	333	0.025	392	0.005	0.5593	200.232	214.747	3.7798	17.899	19.466	4.2
73	7.91	0.73	1.750	8.0	0.025	189	0.2911	2.444	85.6712	20.5812	2.0563	4.98	5.432	4.3
75	8.31	0.67	0.108	9.5	0.585	7.7	0.0197	1.4872	13.5577	8.4091	1.9177	1.113	1.214	4.3
962	8.05	1.40	2.70	22.7	0.025	16.8	2.3377	1.4405	5.2693	51.7368	1.6394	2.528	2.757	4.3
1450	7.32	1.35	0.140	9.50	0.025	13.7	3.508	2.6785	14.78	21.0869	3.4475	1.915	2.088	4.3
1568	8.06	1.58	0.408	3.30	0.025	40.4	5.8879	2.3489	41.8925	3.8626	4.1883	2.54	2.769	4.3

78	7.48	0.41	0.292	5.6	0.987	8.8	0.0118	0.8287	10.0681	5.8441	1.1501	0.782	0.854	4.4
90	8.16	2.24	0.025	8.0	4.190	2.8	0.1101	28.2466	2.1327	7.604	2.5274	2.594	2.83	4.4
936	7.61	0.72	0.400	18.3	7.74	20.3	0.1206	2.5812	21.79	13.8792	2.5535	1.804	1.972	4.4
1084	7.55	1.25	0.641	5.86	9.27	29.1	0.005	1.9231	35.469	8.988	3.3098	2.202	2.403	4.4
70	7.7	0.35	1.290	4.5	0.025	233	0.005	0.2122	96.1404	24.7125	0.7011	5.393	5.905	4.5
1490	7.01	0.20	0.025	1.01	0.659	3.46	0.2932	0.7029	4.3784	1.0989	0.25	0.312	0.341	4.5
69	8.13	1.4	1.680	8.8	0.025	6.3	0.1495	3.0244	26.9433	9.7522	0.9921	1.867	2.047	4.6
188	7.91	1.58	< 0.05	1.37	0.558	3.79	0.7685	1.6866	31.3177	1.1485	3.8033	1.712	1.876	4.6
1074	8.12	1.35	0.987	7.24	0.025	34.4	0.4161	1.5719	35.9651	11.3682	4.3025	2.32	2.542	4.6
1086	7.94	1.78	0.569	7.23	2.84	21.2	0.005	2.5753	40.8943	9.3687	3.3804	2.502	2.746	4.6
1527	7.22	0.26	0.105	2.14	4.21	7.50	3.7657	0.923	5.2701	2.2006	1.4769	0.554	0.607	4.6
31	7.68	0.68	0.423	19.0	0.025	15.5	4.1	4.0684	8.0572	17.1426	3.3861	1.56	1.716	4.7
1094	8.30	2.30	1.15	5.44	0.025	54.9	0.0378	0.025	0.2263	91.6678	0.8203	3.659	4.021	4.7
1498	7.11	0.58	0.203	0.869	0.929	3.28	0.4789	1.2546	10.5998	2.08	1.2061	0.702	0.77	4.7
143	7.15	0.28	0.025	1.43	0.262	2.78	0.4178	0.4816	5.7055	1.377	0.7507	0.38	0.418	4.8
1095	7.69	1.28	0.098	10.2	4.16	27.8	0.3583	2.9306	40.4443	3.1457	1.3323	2.218	2.442	4.8
1103	7.33	0.45	0.025	6.76	15.9	21.7	0.1958	1.6388	20.8798	4.0809	4.7257	1.345	1.482	4.8
1115	7.99	2.43	0.119	6.69	3.07	79.2	0.2826	2.5502	85.0632	5.7689	1.5674	4.318	4.753	4.8
1118	8.21	5.94	0.089	37.1	4.58	60.7	0.005	43.3528	83.2309	30.2979	4.7597	8.325	9.159	4.8
186	7.50	0.52	< 0.05	4.13	1.38	6.52	0.0313	1.7599	11.5211	3.0719	0.9417	0.797	0.878	4.9
1075	8.00	1.01	1.42	13.0	0.079	13.6	0.0779	1.6325	25.2692	10.8195	1.9044	1.738	1.917	4.9
1120	6.99	0.27	0.099	1.97	0.233	3.66	2.6099	0.737	3.8883	2.0227	0.7065	0.412	0.454	4.9
1478	7.16	0.46	0.062	8.58	9.57	9.27	0.0684	2.6992	12.4803	4.9549	3.8684	1.053	1.161	4.9
156	8.16	1.83	1.64	1.70	0.025	4.92	1.5036	3.1913	32.8007	6.3294	2.1135	2.066	2.282	5
770	7.18	0.30	0.025	2.22	0.025	5.56	0.005	1.1693	6.6849	1.6794	0.962	0.477	0.527	5
1112	8.32	5.62	0.075	42.8	81.5	53.2	0.005	0.1442	0.7426	231.192	4.4828	9.25	10.216	5

1088	7.74	0.69	1.39	5.42	0.263	207	0.2069	1.2939	94.2049	20.7402	3.767	5.233	5.81	5.2
76	8.12	1.24	0.765	13.2	0.310	95.6	0.0354	3.3006	48.691	29.1563	3.4169	3.647	4.056	5.3
1087	7.90	2.03	0.520	4.01	0.336	4.11	0.1179	3.1877	37.3082	7.7448	2.0507	2.263	2.517	5.3
1091	8.11	1.34	1.57	5.68	0.268	25.6	0.0156	1.7057	26.01	18.8969	3.6703	2.117	2.354	5.3
1083	8.25	2.65	1.29	5.77	3.13	57.4	0.0134	3.4908	74.6479	11.6222	3.1217	4.127	4.596	5.4
1536	7.56	0.97	0.147	2.59	1.59	3.33	2.9302	1.4286	18.2188	2.5698	1.1349	1.142	1.272	5.4
1102	8.25	6.77	1.53	10.1	0.025	0.226	0.0156	1.5071	3.801	174.708	3.3412	7.138	7.996	5.7
174	7.09	0.27	0.277	2.98	1.21	6.44	0.0179	1.2694	6.4297	2.8695	1.5302	0.525	0.59	5.8
686	6.90	0.11	0.071	0.475	0.124	2.56	0.022	0.5149	1.6189	0.7618	1.7817	0.18	0.203	5.8
1085	7.87	1.47	0.280	6.07	4.64	9.20	0.0267	2.3955	30.3704	7.8047	4.2058	1.923	2.16	5.8
1671	7.02	0.39	0.625	2.76	0.025	8.23	1.2304	0.5945	9.4201	4.3529	0.25	0.671	0.759	6.1
1071	7.46	0.44	0.840	2.95	3.97	16.9	0.005	0.857	15.3489	5.1089	2.1029	0.982	1.112	6.2
1079	6.93	0.15	0.025	3.42	0.528	4.72	0.0156	0.5268	3.5343	3.6833	0.8882	0.356	0.403	6.2
1092	8.04	1.88	0.613	8.05	2.00	9.77	0.0912	1.9921	37.1502	13.3398	3.524	2.377	2.69	6.2
1078	8.09	1.24	0.076	8.34	0.284	95.3	0.2292	1.9753	63.1184	11.2297	5.0261	3.468	3.936	6.3
1093	8.18	1.36	2.07	3.58	0.025	120	0.1402	0.8675	82.6817	8.8774	0.7889	4.064	4.606	6.3
1098	8.05	3.08	0.158	3.03	0.025	8.19	0.2336	2.3558	5.5878	73.5863	4.6552	3.344	3.799	6.4
1099	8.05	4.74	0.025	45.1	14.6	18.4	0.005	0.025	0.5992	172.174	0.815	6.633	7.539	6.4
1101	7.50	0.69	0.025	2.07	22.7	15.6	0.3939	1.2333	22.3872	3.1972	10.4493	1.443	1.638	6.4
1104	8.08	4.24	0.140	5.30	0.025	46.8	0.0223	0.025	0.3659	139.33	0.7915	5.369	6.099	6.4
464	7.95	1.12	1.29	5.80	0.319	9.99	1.3086	1.9996	19.6472	11.4081	3.6889	1.563	1.782	6.5
1116	8.29	3.65	0.393	1.79	3.82	16.5	0.005	0.025	0.4032	107.659	0.25	4.129	4.71	6.6
1090	8.03	2.99	1.57	12.7	0.191	11.3	0.3538	3.5159	63.6689	14.367	3.7121	3.667	4.197	6.7
944	8.07	1.63	0.025	0.05	0.025	13.7	0.011	1.7007	8.8546	35.8605	2.3949	1.914	2.202	7
527	7.12	0.26	0.025	9.53	0.025	8.15	0.8044	1.9018	6.0503	6.7328	1.3813	0.699	0.815	7.7
1308	7.52	0.62	0.130	1.07	0.760	5.41	0.4662	1.8574	13.1578	1.7287	0.5964	0.785	0.916	7.7

1072	7.71	1.27	0.944	3.37	0.834	7.12	0.0935	1.5134	27.9307	6.6391	1.664	1.574	1.852	8.1
1464	7.26	0.37	0.025	16.9	0.269	19.4	0.1526	3.1661	12.8218	12.3812	1.6429	1.26	1.486	8.2
1081	7.07	0.36	0.121	3.57	5.35	4.48	0.005	0.9448	7.7127	5.4997	2.5888	0.65	0.768	8.3
394	7.86	1.29	0.025	9.54	3.42	8.81	0.0204	9.1945	20.5711	7.3063	2.1006	1.799	2.155	9
999	6.95	0.40	0.134	6.98	1.35	6.87	0.1064	0.9799	11.7415	4.7307	1.5839	0.764	0.916	9.1
206	7.56	0.81	0.025	1.71	1.59	6.80	6.1015	2.4393	13.4212	2.892	1.8227	1.031	1.261	10
1903	6.77	0.10	0.025	1.27	1.23	3.48	0.0666	0.5416	3.5331	1.0026	0.8566	0.234	0.289	10.5
1014	6.51	0.10	0.025	6.48	0.025	1.89	0.1703	0.4654	2.7782	4.5392	1.0009	0.323	0.406	11.3
563	7.9	2.3	0.340	21.5	0.288	13.3	0.2934	0.8152	2.0866	96.194	3.651	3.205	4.457	16.3
1596	6.26	0.06	0.025	5.38	0.583	2.09	0.2279	0.4362	3.5176	3.2918	0.6558	0.27	0.379	16.9
867	7.51	0.90	0.187	33.7	0.025	19.9	0.0381	9.6527	49.5857	7.2845	5.1585	2.272	3.718	24.1
1064	8.04	1.53	1.85	5.56	0.658	7.39	0.005	0.025	0.0423	73.4065	0.6818	1.952	3.213	24.4
157	6.98	0.27	0.822	28.5	0.025	244	0.0179	3.4998	183.74	37.8666	1.92	6.198	11.148	28.5
163	7.20	0.14	3.17	189	0.025	312	0.1475	0.5459	240.072	248.83	4.0021	12.129	22.945	30.8
1790	7.60	1.05	0.143	4.47	4.18	13.9	0.005	7.003	49.4042	6.0192	2.357	1.541	3.363	37.1
1013	7.54	1.15	0.658	2.57	0.327	7.57	0.0106	5.8426	62.8911	7.8508	1.7841	1.421	4.005	47.6
885	7.77	1.59	0.446	10.0	2.16	7.25	0.005	0.6083	1.3232	149.352	3.2644	2.085	6.693	52.5
1234	7.95	2.00	0.125	11.0	20.1	12.5	0.005	0.2128	0.5391	244.812	1.5466	2.898	10.728	57.5
888	8.01	1.65	0.664	10.8	0.129	0.05	0.0375	8.6436	251.525	31.4554	4.9717	1.988	14.752	76.2