

Appendix DR1 Assimilation of mantle peridotite/olivine by felsic dioritic magma

Sample CS32 comes from the chilled border of the Handan-Xingtai high-Mg diorite pluton, and contains ~5 wt.% (~4.4% by volume) of olivine xenocrysts. Assimilation of olivine results in crystallization of orthopyroxene, and reverse-zoned clinopyroxene and/or amphibole, with the contaminated magma eventually crystallizing to clinopyroxene, amphibole, biotite, plagioclase, K-feldspar and quartz. Accessory minerals are magnetite, titanite, zircon and apatite. The existence of quartz in the matrix around the olivine xenocrysts demonstrates disequilibrium.

The pristine felsic magma is likely represented by samples CS38 and HK1, which contain similar incompatible element contents to CS32 but much lower concentrations of the compatible elements Mg, Cr and Ni (Table DR1). Mass-balance indicates that about 15 wt.% of harzburgite of the composition reported by Huang and Xue (1990) has to be added to the felsic dioritic magma to approximate the bulk composition of CS32 (Table DR1). This assimilation is accompanied by crystallization of mafic phases (orthopyroxene, clinopyroxene and amphibole), hence the Mg# of the liquid is maintained at ~50, which value is required to account for the Mg# observed in the rims of olivine, orthopyroxene, clinopyroxene and amphibole (which have Mg# of 74 to 80). Assimilation of olivine alone cannot account for the high Cr content of CS32, but assimilation of olivine plus Cr-rich spinel would be a possible alternative to harzburgite.

Appendix DR2 Analytical Methods

Major element profiles of the selected olivine xenocryst were determined using a Camera SX 100 at the Research School of Earth Sciences, the Australian National University (Table DR1). Accelerating voltage, beam current and peak counting time were 15 kV, 20 nA and 20 seconds, respectively. Analysis of other minerals was conducted using a Cameca SX 51 at the Institute of

Geology and Geophysics (IGG), Chinese Academy of Sciences. Trace elements (Li, Na, Al, P, Ca, Sc, Ti, V, Cr, Mn, Co, Ni and Y) were analyzed by laser-ablation inductively coupled plasma mass spectrometry (LA-ICP-MS) using an Agilent 7500 coupled to an ArF (193 nm) EXCIMER laser. Data were obtained in two ways: by continuous scanning (Table DR3), and by performing a series of individual spot analyses (Table DR4). For scanning, the laser beam was focused to a rectangle 70 x 7 μm in size, and traversed smoothly across the sample at 5.8 $\mu\text{m}/\text{s}$ with a laser pulse rate of 10 Hz. The sampling period was 0.234 s, and background counting time was 60 s. For the spot analyses, a circular beam of 70 μm in diameter was used with pulse rate of 5 Hz and sampling period of ~0.5 s. Counting times were 24 and 40 seconds for background and analysis, respectively. A few analyses were done using a circular beam of 180 μm diameter in order to detect low abundance trace elements such as Y in the olivine core. Pit depth is ~20 um. NIST 612 glass was used as standard for the raw counts, and ^{29}Si as the internal standard, with absolute values of Si determined by EMP. Relative standard deviations (RSD) from replicate LA-ICP-MS analyses of BCR-2G glass were <30% for P and <10% for the other elements. Bulk-rock oxides of the diorite (Table DR4) were determined by x-ray fluorescence spectrometry (XRF) on fused glass disks using Rigaku RIX2100 at Key Laboratory of Continental Dynamics in Northwest University in China, with uncertainties better than 5%. Trace element concentrations (Table DR1) of the diorite were analyzed by Finnigan Element ICP-MS at IGG, with RSD values better than 10%.

Appendix DR3. Olivine-to-olivine diffusion in a polycrystalline aggregate of xenoliths.

Figure A1. Variation of Mg# across a rare polycrystalline aggregate of olivine xenocrysts (CS28-OI). The scale bar is 1000 μm . The diffusion profiles towards the margins of the crystals with the groundmass are similar to those developed by xenocryst CS32-OI (Figs. 1 to 3). However, because the original Mg# of the small olivine crystal between B and C was slightly lower than those on either side, olivine-to-olivine diffusion profiles have developed, one of which is labelled α . Assuming a constant

diffusion coefficient, the length scale of the olivine-to-olivine diffusion profile α should be approximately half that of the olivine-to-groundmass diffusion profile β on the other side of the crystal, which is what is observed. This provides another item of evidence that the olivine-to-groundmass profiles are not significantly a consequence of any process other than diffusion (e.g., they are not caused by olivine growth).

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Table DR1 Major (wt.%) and trace elements (ppm) of the Handan-Xingtai diorite, central North China block, and modelling calculation of mixing between felsic and mafic magmas.

Diorite sample:	comments	SiO ₂	TiO ₂	Al ₂ O ₃	FeO	MnO	MgO
CS32	Olivine-bearing high-Mg diorite	55.45	0.70	14.64	7.70	0.12	8.65
CS38	low-Mg diorite without olivine	60.22	0.58	17.69	6.01	0.12	2.05
HK1	low-Mg diorite without olivine	58.14	0.65	17.28	7.14	0.13	2.23

Composition of an olivine xenocryst in diorite:

olivine xenocryst	Fo = 90, assumed to approximate the composition of dunite	40.73	0.00	0.03	9.76	0.15	47.70
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Mixing modeling:

HK1 +14% olivine	14 wt.% of dunite is added to felsic magma represented by HK1	55.70	0.56	14.86	7.51	0.14	8.59
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*Major and trace elements of the diorites elements analyzed by x-ray fluorescence (XRF)and inductively coupled plasma mass spectrometry (ICP-MS), res bdl,below detection limit.

I sic diorite and mantle peridotite*:

CaO	Na2O	K2O	P2O5	Total	Mg#	Ni	Cr	Li	Sc	V	Co	Y	Zr	Rb	Sr	Nb	Ba	La
6.52	3.51	2.40	0.31	100.00	67	255	400	12.3	18.8	169	36.1	15.7	111	54.2	670.5	5.1	1078	25.4
5.41	4.37	3.24	0.30	100.00	38	0	1	26.8	8.9	117	12.9	17.4	163	51.2	718.9	6.3	1212	31.5
4.59	5.72	3.73	0.39	100.00	36	10	10	12.2	11.3	142	14.9	17.5	146	92.2	849	6.10	991	40.1

0.11 0.00 0.00 0.00 98.50 90

3.97 4.92 3.21 0.34 99.80 67

pectively. Trace elements of ol, cpx and amp by LA-ICP-MS.

Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	Pb	Th	U
49.8	6.28	24.1	4.84	1.42	3.77	0.553	2.95	0.588	1.61	0.250	1.60	0.238	2.82	0.253	9.17	2.65	0.622
58.6	7.54	29.2	5.58	1.70	4.46	0.654	3.56	0.681	1.94	0.295	1.91	0.301	4.19	0.309	8.95	2.96	0.790
78.6	9.08	35.4	6.34	1.92	5.47	0.706	3.70	0.678	1.89	0.255	1.67	0.235	4.20	0.328	13.9	4.11	1.144

Table DR2 Major elements (wt.%) along profiles b1 and c2 of the selected olivine xenocryst from the Handan-Xingtai diorite, central North China block*:

profile b1	SiO ₂	Al ₂ O ₃	MgO	CaO	FeO	MnO	NiO	Total	distance(μm)
b1-001	38.04	-	38.31	0.09	23.10	0.48	0.20	100.22	0.0
b1-002	37.94	0.02	38.13	0.12	22.89	0.48	0.24	99.81	6.3
b1-003	37.71	0.02	38.45	0.09	22.76	0.44	0.24	99.71	12.5
b1-004	37.59	-	38.52	0.09	22.68	0.43	0.16	99.46	18.8
b1-005	37.69	0.02	38.11	0.09	22.56	0.45	0.21	99.13	25.0
b1-006	37.34	-	38.17	0.13	22.45	0.47	0.24	98.80	37.6
b1-007	37.56	-	38.78	0.10	22.44	0.41	0.23	99.52	43.9
b1-008	37.66	-	38.66	0.12	22.20	0.45	0.22	99.31	50.1
b1-009	37.61	0.04	38.67	0.11	21.88	0.44	0.28	99.02	56.4
b1-010	37.62	0.02	39.00	0.11	21.87	0.40	0.17	99.20	62.7
b1-011	37.61	0.01	39.22	0.11	21.66	0.45	0.24	99.31	68.9
b1-012	37.62	0.04	39.33	0.11	21.29	0.44	0.23	99.07	75.2
b1-013	37.65	0.02	39.51	0.10	21.47	0.43	0.28	99.47	81.4
b1-014	37.65	-	39.84	0.11	20.84	0.39	0.24	99.07	94.0
b1-015	37.72	0.04	39.85	0.11	20.63	0.34	0.34	99.03	100.3
b1-016	37.86	0.03	40.17	0.11	20.56	0.40	0.25	99.39	106.6
b1-017	37.75	0.02	40.31	0.09	20.22	0.35	0.32	99.06	112.8
b1-018	37.94	0.03	40.31	0.19	20.00	0.38	0.32	99.17	119.1
b1-019	38.05	0.04	40.67	0.09	19.87	0.38	0.29	99.38	125.3
b1-020	38.09	0.02	40.71	0.10	19.79	0.35	0.30	99.37	131.6
b1-021	38.16	0.02	41.09	0.09	19.36	0.36	0.28	99.36	137.8
b1-022	39.21	0.04	42.29	0.10	19.25	0.35	0.35	101.58	144.2
b1-023	38.43	0.01	41.56	0.10	18.79	0.34	0.36	99.60	156.7
b1-024	37.95	0.02	41.32	0.08	18.55	0.34	0.37	98.64	169.2
b1-025	38.55	0.01	42.26	0.08	18.22	0.32	0.31	99.75	175.5
b1-026	38.51	0.07	42.11	0.09	18.17	0.31	0.39	99.65	181.7

b1-027	38.36	0.02	42.34	0.08	17.79	0.30	0.31	99.20	188.0
b1-028	38.73	0.01	43.11	0.09	17.32	0.28	0.40	99.94	200.5
b1-029	38.62	0.04	43.11	0.07	16.93	0.30	0.38	99.44	206.9
b1-030	38.78	0.02	43.31	0.08	16.68	0.29	0.42	99.58	213.1
b1-031	38.83	0.01	43.02	0.09	16.35	0.29	0.35	98.95	219.4
b1-032	38.84	0.01	43.66	0.08	16.29	0.28	0.45	99.62	225.6
b1-033	38.99	0.04	43.63	0.09	16.04	0.28	0.43	99.49	231.9
b1-034	38.95	0.02	44.13	0.09	15.88	0.28	0.45	99.79	238.1
b1-035	38.79	0.02	44.03	0.10	15.72	0.26	0.50	99.41	244.4
b1-036	39.31	0.03	44.33	0.10	15.50	0.24	0.45	99.95	250.7
b1-037	38.88	-	44.00	0.08	15.28	0.25	0.41	98.91	256.9
b1-038	39.15	-	44.63	0.08	14.91	0.27	0.52	99.55	263.3
b1-039	40.09	0.05	46.32	0.07	14.79	0.22	0.43	101.96	269.5
b1-040	39.58	0.04	45.38	0.09	14.38	0.19	0.46	100.12	275.8
b1-041	39.49	0.08	45.37	0.08	14.15	0.23	0.49	99.89	282.0
b1-042	39.56	0.03	45.96	0.08	14.05	0.19	0.46	100.34	288.3
b1-043	39.41	0.03	45.89	0.07	13.47	0.19	0.53	99.59	300.8
b1-044	39.53	0.05	46.20	0.07	13.27	0.19	0.57	99.87	307.1
b1-045	39.77	0.03	46.23	0.08	12.96	0.20	0.55	99.82	313.3
b1-046	39.88	0.05	46.67	0.07	12.67	0.18	0.56	100.09	325.9
b1-047	39.84	0.06	47.10	0.06	12.42	0.16	0.58	100.22	332.2
b1-048	39.96	0.04	47.24	0.07	11.95	0.19	0.57	100.01	338.4
b1-049	40.04	0.04	47.43	0.07	11.92	0.19	0.52	100.21	344.7
b1-050	40.06	0.04	47.43	0.06	11.77	0.16	0.58	100.09	351.0
b1-051	40.52	0.04	48.53	0.06	11.56	0.13	0.51	101.35	357.2
b1-052	40.34	0.05	48.30	0.07	10.71	0.17	0.62	100.27	382.3
b1-053	40.21	0.04	48.33	0.07	10.24	0.15	0.64	99.68	388.6
b1-054	41.07	0.49	48.17	0.13	9.99	0.15	0.52	100.51	394.9

b1-055	40.18	0.03	48.79	0.06	9.81	0.14	0.58	99.60	407.4
b1-056	40.32	0.03	48.74	0.04	9.45	0.12	0.59	99.30	413.6
b1-057	40.05	0.05	49.51	0.07	9.49	0.12	0.63	99.93	419.9
b1-058	40.50	0.02	49.33	0.07	9.13	0.10	0.54	99.68	426.1
b1-059	40.52	0.02	49.89	0.06	9.20	0.11	0.58	100.37	432.4
b1-060	40.50	0.04	50.04	0.08	8.86	0.13	0.55	100.20	438.8
b1-061	40.69	0.04	49.91	0.05	8.72	0.11	0.56	100.10	445.0
b1-062	40.64	0.02	50.13	0.07	8.55	0.12	0.60	100.14	451.3
b1-063	40.77	0.05	50.23	0.07	8.37	0.09	0.59	100.17	457.5
b1-064	40.78	0.06	50.21	0.07	8.21	0.10	0.55	99.98	463.8
b1-065	41.27	-	50.44	0.07	7.91	0.07	0.61	100.38	476.3
b1-066	40.79	0.05	50.61	0.06	7.74	0.08	0.63	99.96	482.5
b1-067	40.95	0.04	50.84	0.05	7.80	0.11	0.56	100.36	488.8
b1-068	40.97	0.03	50.81	0.06	7.45	0.09	0.54	99.95	495.1
b1-069	40.67	0.05	50.21	0.06	7.52	0.12	0.58	99.21	501.4
b1-070	40.89	0.04	50.29	0.06	7.34	0.10	0.58	99.31	507.7
b1-071	41.09	0.03	50.90	0.06	7.32	0.10	0.53	100.03	513.9
b1-072	41.15	0.04	51.21	0.06	7.28	0.07	0.53	100.36	520.2
b1-073	41.27	0.01	51.35	0.06	7.12	0.10	0.52	100.43	526.4
b1-074	41.04	0.05	51.11	0.07	7.12	0.09	0.50	99.97	532.7
b1-075	41.53	0.07	51.07	0.07	7.17	0.08	0.61	100.59	539.0
b1-076	41.12	0.05	51.18	0.07	7.07	0.08	0.61	100.18	545.2
b1-077	41.28	0.04	51.27	0.05	7.05	0.11	0.56	100.35	551.5
b1-078	41.09	0.02	50.55	0.05	7.13	0.09	0.48	99.43	557.8
b1-079	41.26	0.04	51.10	0.07	6.99	0.09	0.58	100.14	564.1
b1-080	40.70	0.03	51.14	0.06	6.96	0.11	0.53	99.54	570.3
b1-081	41.11	0.02	51.41	0.06	7.02	0.09	0.54	100.24	576.6
b1-082	41.20	0.03	51.37	0.07	7.06	0.08	0.58	100.40	582.9

b1-083	41.42	0.03	51.52	0.07	7.06	0.05	0.65	100.80	589.1
b1-084	41.09	0.02	51.34	0.07	6.86	0.07	0.54	100.00	595.4
b1-085	41.40	0.02	51.26	0.07	7.10	0.08	0.60	100.53	601.6
b1-086	41.07	0.04	51.52	0.06	7.00	0.08	0.58	100.35	607.9
b1-087	41.31	0.03	51.68	0.06	7.07	0.08	0.53	100.76	614.2
b1-088	41.37	0.05	51.54	0.06	6.89	0.06	0.58	100.55	620.5
b1-089	41.40	0.04	51.47	0.09	7.06	0.10	0.55	100.70	626.8
b1-090	41.10	0.02	51.60	0.07	6.93	0.10	0.56	100.38	633.0
b1-091	41.19	0.02	51.34	0.08	6.98	0.08	0.55	100.24	639.3
b1-092	41.70	0.02	51.61	0.06	7.05	0.10	0.48	101.03	651.8
b1-093	41.24	0.05	51.42	0.09	7.04	0.08	0.57	100.49	658.0
b1-094	41.28	0.04	51.61	0.07	6.95	0.08	0.56	100.59	664.3
b1-095	40.84	0.09	50.69	0.06	6.91	0.08	0.52	99.19	670.5
b1-096	41.19	0.03	51.28	0.09	6.94	0.04	0.53	100.11	676.9
b1-097	41.26	0.04	51.51	0.07	7.09	0.09	0.54	100.59	683.2
b1-098	41.10	0.01	51.05	0.07	6.98	0.07	0.50	99.79	689.4
b1-099	40.74	0.04	50.74	0.07	6.94	0.08	0.51	99.12	695.7
b1-100	40.24	0.00	50.13	0.07	7.03	0.09	0.56	98.12	701.9
b1-101	41.05	0.01	50.99	0.06	6.89	0.06	0.47	99.53	708.2
b1-102	41.51	0.03	51.50	0.09	6.94	0.09	0.51	100.67	714.4
b1-103	41.56	0.01	51.77	0.08	7.01	0.06	0.60	101.09	720.7
b1-104	41.96	0.01	52.05	0.08	7.03	0.09	0.49	101.69	727.0
b1-105	41.27	0.03	51.58	0.06	7.10	0.08	0.59	100.71	733.3
b1-106	41.12	0.02	51.37	0.07	6.91	0.09	0.51	100.09	739.6
b1-107	41.36	0.04	51.62	0.07	7.13	0.05	0.57	100.83	745.8
b1-108	41.68	0.16	51.22	0.10	6.89	0.06	0.53	100.64	758.3
b1-109	41.32	0.05	51.25	0.07	7.13	0.10	0.50	100.44	764.6
b1-110	41.39	0.01	51.60	0.07	6.99	0.07	0.50	100.64	770.9

b1-111	41.16	0.07	51.22	0.10	7.03	0.06	0.54	100.18	777.1
b1-112	41.58	0.05	51.43	0.07	7.00	0.12	0.55	100.80	789.7
b1-113	41.59	0.05	51.44	0.06	7.02	0.11	0.51	100.78	796.0
b1-114	41.68	0.03	51.94	0.05	7.12	0.11	0.48	101.41	802.2
b1-115	41.68	0.04	52.00	0.07	7.13	0.07	0.50	101.49	808.5
b1-116	41.37	0.04	51.60	0.07	7.12	0.08	0.55	100.81	814.7
b1-117	41.46	0.03	51.52	0.06	7.09	0.10	0.54	100.80	821.0
b1-118	41.70	0.03	51.65	0.07	7.09	0.09	0.56	101.17	827.3
b1-119	41.29	0.06	51.09	0.08	7.26	0.11	0.49	100.38	833.5
b1-120	41.60	0.04	51.29	0.08	7.00	0.06	0.51	100.57	846.1
b1-121	41.39	0.04	51.88	0.06	6.83	0.07	0.52	100.79	852.4
b1-122	41.57	0.20	51.00	0.12	7.09	0.11	0.48	100.58	858.6
b1-123	41.09	0.03	51.02	0.08	7.00	0.07	0.50	99.80	864.9
b1-124	41.59	0.02	51.54	0.06	6.86	0.11	0.51	100.69	871.2
b1-125	41.33	0.03	51.60	0.08	6.92	0.10	0.47	100.53	877.4
b1-126	42.07	0.10	52.23	0.10	7.14	0.09	0.51	102.25	883.7
b1-127	41.23	0.05	51.35	0.06	7.12	0.09	0.54	100.44	902.4
b1-128	41.73	0.02	51.82	0.08	7.14	0.09	0.47	101.36	908.8
b1-129	41.60	0.05	51.33	0.05	7.02	0.10	0.52	100.66	915.1
b1-130	41.56	0.03	51.26	0.08	7.01	0.06	0.54	100.55	921.3
b1-131	41.70	0.04	51.72	0.07	7.01	0.06	0.55	101.16	927.6
b1-132	40.89	0.05	50.94	0.06	7.10	0.07	0.48	99.58	933.8
b1-133	42.19	0.01	51.84	0.07	7.08	0.06	0.50	101.75	946.3
b1-134	41.83	0.04	51.68	0.06	7.12	0.07	0.49	101.30	952.6
b1-135	41.88	0.05	51.88	0.06	7.11	0.10	0.52	101.60	958.8
b1-136	42.25	0.11	51.92	0.08	6.99	0.06	0.51	101.92	971.5
b1-137	41.76	0.06	51.81	0.08	6.99	0.07	0.51	101.28	977.7
b1-138	42.13	0.01	52.00	0.05	7.13	0.09	0.53	101.94	984.0

b1-139	42.28	-	51.64	0.07	7.12	0.07	0.49	101.67	990.2
b1-140	42.28	0.01	51.73	0.05	6.95	0.10	0.54	101.66	996.5
b1-141	41.88	0.09	51.43	0.08	7.12	0.07	0.55	101.21	1002.7
b1-142	42.04	0.03	51.78	0.06	7.09	0.07	0.50	101.58	1009.0
b1-143	41.90	0.02	51.91	0.09	7.00	0.09	0.55	101.56	1015.3
b1-144	41.48	0.03	51.02	0.09	6.90	0.06	0.62	100.19	1021.5
b1-145	41.61	0.03	51.43	0.06	7.09	0.09	0.64	100.96	1034.1
b1-146	41.99	0.05	51.70	0.06	7.05	0.06	0.54	101.45	1040.4
b1-147	41.96	0.01	52.06	0.08	7.05	0.06	0.53	101.76	1046.6
b1-148	41.31	0.03	51.63	0.07	7.02	0.07	0.54	100.67	1059.1
b1-149	41.88	0.01	52.12	0.08	7.13	0.08	0.52	101.82	1065.4
b1-150	42.18	0.02	51.74	0.07	7.05	0.09	0.56	101.70	1071.7
b1-151	41.96	0.06	51.82	0.07	7.17	0.08	0.64	101.80	1077.9
b1-152	42.09	0.04	51.98	0.07	7.13	0.08	0.53	101.93	1084.3
b1-153	41.71	0.03	51.63	0.06	6.94	0.09	0.54	100.99	1096.8
b1-154	41.76	0.01	51.90	0.08	6.92	0.08	0.49	101.25	1103.0
b1-155	41.76	0.01	51.70	0.06	7.10	0.06	0.56	101.25	1109.3
b1-156	41.85	0.03	52.18	0.07	7.11	0.07	0.57	101.88	1115.5
b1-157	42.16	0.03	51.66	0.07	6.98	0.08	0.58	101.55	1121.8
b1-158	41.61	0.03	51.46	0.06	7.04	0.10	0.59	100.89	1146.9
b1-159	41.47	0.04	51.76	0.07	7.07	0.07	0.55	101.04	1153.2
b1-160	41.74	0.02	51.93	0.07	7.02	0.07	0.58	101.42	1159.4
b1-161	41.77	0.01	51.94	0.05	7.00	0.08	0.54	101.40	1165.7
b1-162	41.89	0.11	51.69	0.08	7.07	0.06	0.60	101.49	1172.0
b1-163	42.06	0.07	51.97	0.06	7.04	0.08	0.54	101.82	1184.5
b1-164	42.06	0.16	51.50	0.09	7.12	0.08	0.58	101.60	1222.1
b1-165	41.57	0.02	51.22	0.08	7.14	0.10	0.56	100.69	1228.4
b1-166	41.91	0.07	51.86	0.06	7.07	0.06	0.60	101.62	1234.6

b1-167	42.13	0.02	52.06	0.08	6.98	0.08	0.52	101.88	1240.9
b1-168	42.16	0.05	51.63	0.06	7.06	0.06	0.61	101.63	1259.7
b1-169	41.92	0.05	51.35	0.06	7.31	0.07	0.60	101.35	1322.4
b1-170	42.24	0.29	51.36	0.16	6.95	0.10	0.58	101.68	1341.2
b1-171	41.97	0.02	51.44	0.08	7.72	0.11	0.63	101.98	1391.3
b1-172	42.20	0.04	51.06	0.08	7.57	0.09	0.59	101.62	1397.6
b1-173	41.28	0.04	50.27	0.07	7.52	0.09	0.58	99.85	1403.8
b1-174	41.20	0.03	50.22	0.07	7.73	0.10	0.57	99.93	1410.1
b1-175	41.48	0.02	50.19	0.06	7.77	0.10	0.64	100.26	1416.4
b1-176	41.08	0.06	49.84	0.07	7.90	0.10	0.58	99.62	1422.6
b1-177	40.93	0.06	49.68	0.05	8.12	0.10	0.62	99.55	1428.9
b1-178	40.98	0.05	49.57	0.07	8.37	0.10	0.64	99.76	1435.2
b1-179	41.00	0.03	49.40	0.06	8.34	0.11	0.58	99.53	1441.5
b1-180	40.89	0.02	49.31	0.05	8.67	0.12	0.69	99.74	1447.7
b1-181	41.17	0.05	49.49	0.06	8.84	0.12	0.58	100.31	1454.0
b1-182	41.13	0.03	49.46	0.07	8.97	0.13	0.58	100.37	1460.3
b1-183	41.06	0.05	49.14	0.06	9.10	0.13	0.65	100.20	1466.5
b1-184	41.46	0.03	49.35	0.06	9.26	0.11	0.68	100.95	1472.8
b1-185	41.20	0.05	47.95	0.06	10.82	0.14	0.62	100.84	1516.7
b1-186	40.94	0.03	47.79	0.04	10.95	0.16	0.60	100.51	1522.9
b1-187	40.84	0.06	47.90	0.07	11.41	0.19	0.52	100.98	1529.2
b1-188	40.93	0.04	47.48	0.06	11.38	0.17	0.57	100.63	1535.4
b1-189	40.93	0.04	47.50	0.08	11.73	0.14	0.57	100.99	1541.7
b1-190	41.12	0.06	47.66	0.06	12.16	0.17	0.55	101.78	1548.0
b1-191	41.12	0.04	47.55	0.06	12.44	0.17	0.56	101.96	1554.3
b1-192	41.12	0.06	47.07	0.06	12.30	0.18	0.52	101.30	1560.6
b1-193	41.19	0.03	47.06	0.06	12.79	0.15	0.58	101.85	1566.8
b1-194	39.70	0.04	44.98	0.06	13.98	0.19	0.52	99.47	1604.4

b1-195	39.76	0.03	44.62	0.05	14.52	0.21	0.53	99.72	1610.7
b1-196	40.30	0.06	44.96	0.06	14.78	0.19	0.51	100.86	1617.0
b1-197	40.05	0.03	44.41	0.07	14.76	0.23	0.50	100.04	1623.2
b1-198	40.35	0.06	44.67	0.07	15.09	0.23	0.52	100.98	1629.5
b1-199	39.90	0.01	44.05	0.05	15.39	0.22	0.42	100.05	1635.7
b1-200	40.34	0.04	44.62	0.08	15.54	0.25	0.48	101.36	1642.0
b1-201	39.11	0.02	42.96	0.06	15.97	0.26	0.48	98.85	1648.3
b1-202	40.14	0.05	43.76	0.06	16.26	0.28	0.42	100.97	1654.5
b1-203	39.49	0.02	43.26	0.06	16.28	0.28	0.49	99.89	1660.8
b1-204	39.52	0.04	42.76	0.07	17.11	0.27	0.45	100.23	1673.4
b1-205	40.44	0.08	43.08	0.14	17.40	0.26	0.41	101.82	1679.6
b1-206	39.45	0.02	42.49	0.06	17.23	0.28	0.41	99.94	1685.9
b1-207	40.07	0.01	42.69	0.07	17.93	0.32	0.47	101.57	1692.2
b1-208	39.37	0.04	41.43	0.03	18.95	0.30	0.39	100.50	1729.8
b1-209	38.91	0.00	40.81	0.02	19.23	0.37	0.40	99.74	1736.0
b1-210	39.72	0.04	41.48	0.06	19.59	0.36	0.37	101.63	1742.3
b1-211	38.90	0.05	40.58	0.09	19.51	0.36	0.35	99.84	1748.6
b1-212	39.18	0.02	40.86	0.08	20.20	0.39	0.39	101.13	1754.8
b1-213	38.85	0.03	40.29	0.10	20.12	0.38	0.40	100.18	1761.1
b1-214	38.94	0.01	40.53	0.11	20.38	0.38	0.31	100.67	1767.3
b1-215	39.01	0.03	40.07	0.12	20.72	0.37	0.37	100.69	1773.6
b1-216	39.13	0.02	40.55	0.10	20.96	0.40	0.36	101.51	1779.8
b1-217	38.73	0.01	40.01	0.11	20.74	0.35	0.36	100.31	1786.2
b1-218	38.97	0.18	38.69	0.71	22.34	0.36	0.26	101.52	1792.5
b1-219	39.12	0.03	39.81	0.11	21.54	0.44	0.28	101.34	1798.7
b1-220	39.28	0.02	39.91	0.12	21.55	0.42	0.29	101.58	1805.0
b1-221	39.07	0.02	39.59	0.12	21.81	0.40	0.26	101.27	1811.2
b1-222	39.39	0.03	39.67	0.11	21.93	0.40	0.29	101.81	1817.5

b1-223	38.71	0.03	39.18	0.10	21.68	0.44	0.30	100.44	1823.7
b1-224	38.93	0.01	38.94	0.12	22.35	0.44	0.26	101.04	1836.3
b1-225	39.05	0.02	39.16	0.11	22.41	0.43	0.26	101.43	1842.6
b1-226	38.77	0.04	38.72	0.10	22.48	0.42	0.21	100.74	1848.9
b1-227	38.95	0.01	38.80	0.11	22.62	0.44	0.23	101.14	1855.1
b1-228	38.65	-	38.71	0.10	22.66	0.44	0.29	100.85	1861.4
b1-229	38.70	0.38	37.08	0.19	22.22	0.44	0.29	99.30	1873.9

Profile c2	SiO2	Al2O3	MgO	CaO	FeO	MnO	NiO	Total	distance(μm)
c2-001	41.29	0.04	51.90	0.07	6.85	0.09	0.53	100.76	1131.3
c2-002	41.06	0.02	51.76	0.06	6.82	0.08	0.50	100.30	1123.9
c2-003	41.16	0.01	52.05	0.07	6.86	0.09	0.57	100.81	1116.4
c2-004	40.35	0.34	50.43	0.05	7.47	0.08	0.55	99.28	1108.8
c2-005	41.13	0.05	52.00	0.06	6.73	0.09	0.53	100.59	1101.4
c2-006	40.15	0.03	50.55	0.07	6.85	0.07	0.52	98.25	1093.9
c2-007	41.22	0.02	51.81	0.06	6.73	0.06	0.59	100.48	1086.4
c2-008	42.15	0.12	52.41	0.08	6.85	0.07	0.57	102.24	1078.9
c2-009	41.11	0.07	51.97	0.06	6.91	0.05	0.51	100.68	1071.4
c2-010	41.46	0.05	52.24	0.07	6.86	0.08	0.56	101.32	1063.9
c2-011	41.47	0.12	52.04	0.06	6.84	0.07	0.54	101.13	1056.4
c2-012	41.39	0.02	52.37	0.06	6.85	0.09	0.54	101.32	1049.0
c2-013	40.52	0.04	50.79	0.07	6.80	0.08	0.56	98.85	1041.4
c2-014	41.14	0.01	51.99	0.08	6.82	0.08	0.55	100.66	1033.9
c2-015	41.19	0.02	51.88	0.06	6.80	0.06	0.49	100.50	1026.5
c2-016	40.98	0.02	51.86	0.07	6.84	0.08	0.55	100.39	1019.0
c2-017	41.78	0.02	52.68	0.06	6.82	0.07	0.55	101.98	1004.0
c2-018	41.60	0.03	51.90	0.06	6.62	0.08	0.55	100.85	996.5
c2-019	41.12	0.02	51.92	0.06	6.77	0.07	0.58	100.53	989.0

c2-020	41.65	0.20	51.00	0.09	6.69	0.07	0.53	100.24	981.5
c2-021	41.62	0.07	52.25	0.08	6.60	0.08	0.52	101.22	974.0
c2-022	41.45	0.03	51.96	0.07	6.76	0.07	0.53	100.86	966.5
c2-023	41.37	0.05	52.02	0.05	6.71	0.07	0.52	100.79	959.1
c2-024	41.15	0.04	52.13	0.07	6.72	0.06	0.54	100.71	951.6
c2-025	41.27	-	52.06	0.06	6.77	0.08	0.54	100.77	944.0
c2-026	41.36	0.05	52.27	0.07	6.79	0.09	0.57	101.19	936.5
c2-027	41.25	0.07	51.70	0.08	6.78	0.09	0.60	100.57	929.1
c2-028	41.31	0.02	52.22	0.06	6.79	0.06	0.57	101.04	921.6
c2-029	41.14	0.04	51.67	0.07	6.70	0.06	0.59	100.26	914.0
c2-030	41.20	0.04	52.11	0.07	6.94	0.08	0.57	101.01	906.6
c2-031	41.29	0.05	52.00	0.05	6.78	0.09	0.54	100.81	899.1
c2-032	41.45	0.03	52.13	0.06	6.87	0.09	0.56	101.19	891.5
c2-033	40.60	0.03	51.00	0.07	6.95	0.08	0.59	99.32	884.1
c2-034	41.32	0.01	52.07	0.05	6.76	0.07	0.55	100.84	876.6
c2-035	41.56	0.03	52.00	0.05	6.89	0.07	0.58	101.19	869.1
c2-036	41.03	0.02	51.83	0.06	6.85	0.05	0.53	100.37	861.6
c2-037	40.62	0.02	51.28	0.06	6.83	0.08	0.53	99.43	854.2
c2-038	39.87	0.08	50.64	0.08	6.84	0.07	0.57	98.15	846.6
c2-039	41.19	0.02	51.60	0.06	6.96	0.11	0.57	100.50	839.2
c2-040	41.34	0.01	51.88	0.06	6.96	0.09	0.55	100.90	831.7
c2-041	41.39	0.04	52.03	0.07	7.05	0.08	0.63	101.29	824.1
c2-042	41.07	0.03	51.92	0.07	7.02	0.10	0.55	100.76	816.7
c2-043	41.26	0.04	52.23	0.05	6.91	0.06	0.55	101.10	809.2
c2-044	40.92	0.02	50.84	0.06	7.00	0.08	0.58	99.52	794.1
c2-045	40.81	0.02	51.41	0.06	7.05	0.07	0.55	99.96	786.7
c2-046	40.40	0.12	50.08	0.09	7.09	0.08	0.54	98.39	779.2
c2-047	41.16	0.02	51.70	0.06	7.08	0.09	0.58	100.70	771.7

c2-048	41.61	0.04	51.70	0.07	7.13	0.08	0.55	101.18	764.2
c2-049	41.24	0.03	52.25	0.07	7.19	0.05	0.54	101.37	756.7
c2-050	41.16	0.06	51.48	0.06	7.33	0.08	0.52	100.70	749.2
c2-051	41.05	0.03	51.39	0.06	7.38	0.07	0.59	100.57	741.8
c2-052	41.12	0.02	51.88	0.05	7.37	0.07	0.58	101.08	734.3
c2-053	41.31	0.05	51.28	0.06	7.32	0.08	0.60	100.70	726.7
c2-054	41.08	0.03	51.19	0.06	7.46	0.11	0.60	100.53	719.3
c2-055	41.10	0.05	51.23	0.06	7.64	0.09	0.55	100.73	711.8
c2-056	41.18	0.03	51.45	0.06	7.72	0.10	0.53	101.06	704.3
c2-057	40.91	0.05	51.07	0.06	7.89	0.10	0.59	100.68	696.8
c2-058	41.00	0.03	50.90	0.08	7.88	0.08	0.54	100.52	689.3
c2-059	40.96	0.03	50.80	0.07	8.17	0.09	0.58	100.69	681.8
c2-060	41.00	0.03	50.96	0.06	8.15	0.10	0.57	100.86	674.3
c2-061	41.02	0.03	50.52	0.06	8.19	0.12	0.56	100.50	666.8
c2-062	40.97	0.03	50.62	0.06	8.39	0.08	0.55	100.70	659.3
c2-063	41.00	0.07	50.61	0.07	8.47	0.08	0.59	100.89	651.8
c2-064	40.86	0.04	50.61	0.05	8.95	0.13	0.59	101.23	636.8
c2-065	40.87	0.03	50.21	0.05	9.16	0.11	0.57	101.01	621.9
c2-066	40.86	0.02	49.91	0.05	9.33	0.13	0.55	100.85	614.4
c2-067	40.94	0.04	49.90	0.06	9.56	0.11	0.56	101.18	606.9
c2-068	40.82	0.06	49.69	0.05	9.85	0.14	0.58	101.18	599.4
c2-069	40.58	0.04	49.27	0.04	9.91	0.12	0.60	100.57	591.9
c2-070	40.85	0.02	49.67	0.06	10.17	0.12	0.59	101.49	584.4
c2-071	40.78	0.04	49.34	0.06	10.45	0.11	0.54	101.31	576.9
c2-072	40.62	0.02	48.96	0.06	10.87	0.15	0.54	101.22	561.9
c2-073	40.42	0.02	48.77	0.06	10.97	0.16	0.57	100.97	554.5
c2-074	40.73	0.04	48.58	0.05	10.97	0.16	0.53	101.06	546.9
c2-075	39.68	0.04	47.26	0.05	11.33	0.15	0.56	99.08	539.4

c2-076	39.78	0.06	47.41	0.05	11.42	0.15	0.50	99.37	532.0
c2-077	40.27	0.02	47.90	0.05	12.30	0.19	0.57	101.31	509.5
c2-078	40.31	0.08	47.35	0.06	12.41	0.17	0.54	100.93	502.0
c2-079	40.01	0.06	46.49	0.06	12.90	0.17	0.52	100.21	487.0
c2-080	40.28	0.01	47.12	0.05	13.38	0.17	0.50	101.51	479.5
c2-081	40.10	0.05	46.99	0.06	13.46	0.18	0.51	101.36	472.0
c2-082	39.47	0.19	45.20	0.11	13.71	0.19	0.54	99.41	464.5
c2-083	39.54	0.02	45.23	0.06	15.05	0.21	0.48	100.58	419.5
c2-084	38.98	0.02	43.48	0.05	16.14	0.26	0.48	99.42	389.7
c2-085	39.34	0.02	44.03	0.05	16.72	0.24	0.45	100.85	382.1
c2-086	38.58	0.43	42.33	0.16	15.91	0.27	0.45	98.13	374.6
c2-087	38.68	0.28	41.95	0.27	17.36	0.29	0.43	99.27	367.1
c2-088	39.02	0.05	43.07	0.06	17.46	0.31	0.46	100.42	359.7
c2-089	39.10	0.04	43.03	0.06	17.72	0.26	0.44	100.66	352.1
c2-090	39.17	0.04	42.88	0.07	17.75	0.28	0.43	100.62	344.6
c2-091	39.05	0.04	42.96	0.07	18.03	0.30	0.45	100.90	337.2
c2-092	39.11	0.03	42.47	0.07	18.45	0.29	0.41	100.81	329.7
c2-093	39.01	0.03	42.51	0.07	18.47	0.29	0.42	100.80	322.1
c2-094	39.14	0.04	42.37	0.07	18.80	0.31	0.42	101.15	314.7
c2-095	39.29	0.01	41.90	0.05	18.91	0.32	0.43	100.91	307.2
c2-096	38.99	0.03	41.87	0.06	19.23	0.33	0.41	100.91	299.6
c2-097	39.10	0.04	41.68	0.08	19.28	0.31	0.38	100.88	292.2
c2-098	39.10	0.03	41.95	0.08	19.37	0.33	0.39	101.25	284.7
c2-099	37.94	0.03	40.08	0.08	20.15	0.35	0.36	98.99	262.3
c2-100	38.56	0.04	41.01	0.09	20.48	0.35	0.36	100.89	254.7
c2-101	39.06	0.05	40.75	0.12	20.46	0.36	0.35	101.16	247.3
c2-102	39.29	0.02	41.33	0.08	20.38	0.35	0.35	101.80	239.8
c2-103	38.20	0.02	39.62	0.10	21.63	0.37	0.32	100.26	202.2

c2-104	38.03	0.01	39.01	0.07	22.07	0.40	0.33	99.92	179.8
c2-105	38.22	-	39.06	0.09	21.88	0.39	0.31	99.94	172.4
c2-106	37.05	0.09	37.38	0.22	25.09	0.39	0.32	100.55	164.8
c2-107	38.26	0.02	38.86	0.09	22.45	0.41	0.31	100.41	157.3
c2-108	38.28	0.00	39.02	0.11	22.65	0.40	0.30	100.77	149.9
c2-109	38.18	-	38.93	0.12	22.72	0.42	0.31	100.70	142.4
c2-110	38.25	0.01	38.72	0.10	22.85	0.42	0.31	100.66	134.8
c2-111	38.16	0.01	38.68	0.11	23.08	0.41	0.32	100.77	127.4
c2-112	38.11	-	38.73	0.11	23.03	0.44	0.27	100.68	112.4
c2-113	38.06	0.00	38.52	0.10	23.03	0.46	0.30	100.47	104.9
c2-114	38.30	0.02	38.08	0.21	23.05	0.42	0.29	100.36	97.4
c2-115	38.10	0.00	38.58	0.10	23.24	0.45	0.25	100.72	89.9
c2-116	38.20	0.02	38.43	0.08	23.53	0.42	0.27	100.97	82.4
c2-117	38.65	0.01	38.27	0.11	23.72	0.44	0.31	101.51	74.9
c2-118	38.33	0.00	38.11	0.09	23.61	0.46	0.29	100.89	67.4
c2-119	38.05	0.03	38.03	0.09	23.83	0.47	0.31	100.81	59.9
c2-120	38.12	0.01	38.13	0.11	23.83	0.45	0.24	100.87	52.5
c2-121	38.34	0.02	37.81	0.10	23.99	0.49	0.23	100.98	45.0
c2-122	38.03	0.00	38.30	0.09	23.83	0.49	0.26	101.00	37.4
c2-123	38.06	0.02	38.21	0.09	23.86	0.45	0.28	100.98	30.0
c2-124	38.25	0.02	38.20	0.08	23.81	0.47	0.25	101.08	22.5
c2-125	38.28	0.01	38.11	0.09	23.84	0.51	0.25	101.09	15.0
c2-126	38.27	-	38.32	0.08	23.80	0.51	0.29	101.27	7.5
c2-127	38.30	0.02	38.68	0.08	23.23	0.56	0.27	101.12	0.0

profile c1	SiO2	Al2O3	MgO	CaO	FeO	MnO	NiO	Total	distance(μm)
c1-1	38.506	0.027	38.536	0.081	23.587	0.46	0.272	101.47	0.0
c1-2	38.452	0.027	38.596	0.063	23.923	0.451	0.252	101.76	9.8

c1-3	38.408	0.015	38.438	0.038	24.205	0.446	0.281	101.83	19.6
c1-4	37.935	0.015	38.486	0.071	23.917	0.478	0.23	101.13	29.3
c1-5	38.612	0.023	38.968	0.086	23.692	0.428	0.294	102.10	48.9
c1-6	38.207	0.005	38.781	0.1	23.347	0.488	0.245	101.17	58.7
c1-7	38.137	0	38.356	0.108	23.119	0.452	0.28	100.45	68.5
c1-8	38.173	0.006	39.196	0.097	22.908	0.445	0.303	101.13	97.8
c1-9	38.189	0.022	39.267	0.107	22.421	0.406	0.298	100.71	107.6
c1-10	38.145	0.011	39.334	0.063	22.533	0.429	0.292	100.81	117.4
c1-11	37.517	0.026	38.395	0.1	22.13	0.394	0.234	98.80	127.2
c1-12	38.09	0.016	39.279	0.075	21.65	0.368	0.4	99.88	146.7
c1-13	38.271	0.024	40.361	0.071	21.019	0.347	0.283	100.38	176.1
c1-14	37.931	0.017	40.213	0.074	20.403	0.335	0.316	99.29	185.9
c1-15	38.583	0.022	40.565	0.071	20.376	0.34	0.321	100.28	195.7
c1-16	37.884	0.028	40.404	0.054	20.274	0.324	0.346	99.31	205.4
c1-17	38.261	0.099	40.369	0.157	19.914	0.328	0.317	99.45	215.2
c1-18	37.822	0.031	40.433	0.068	19.339	0.243	0.263	98.20	225.0
c1-19	38.634	0.017	41.249	0.034	19.165	0.361	0.264	99.72	234.8
c1-20	38.683	0.009	41.735	0.06	18.914	0.268	0.291	99.96	244.6
c1-21	38.186	0.016	41.224	0.052	18.633	0.32	0.362	98.79	254.4
c1-22	38.236	0.054	41.843	0.029	18.156	0.28	0.342	98.94	264.1
c1-23	38.825	0.01	42.22	0.049	17.764	0.257	0.354	99.48	273.9
c1-24	38.531	0.052	42.693	0.041	17.56	0.287	0.361	99.53	283.7
c1-25	38.719	0.036	42.701	0.042	17.48	0.293	0.357	99.63	293.5
c1-26	38.586	0.021	43.011	0.047	16.962	0.234	0.329	99.19	303.3
c1-27	38.689	0.029	43.128	0.027	16.379	0.216	0.349	98.82	313.1
c1-28	38.933	0.023	43.418	0.066	15.918	0.277	0.344	98.98	322.8
c1-29	39.088	0.024	43.462	0.058	15.62	0.206	0.348	98.81	332.6
c1-30	38.87	0.021	43.727	0.04	15.187	0.222	0.335	98.40	342.4

c1-31	39.675	0.02	46.288	0.037	12.687	0.126	0.474	99.31	410.9
c1-32	40.796	0.017	48.142	0.043	11.282	0.108	0.44	100.83	440.2
c1-33	40.109	0.05	47.272	0.034	11.169	0.116	0.406	99.16	450.0
c1-34	39.827	0.01	47.357	0.058	10.698	0.085	0.481	98.52	459.8
c1-35	39.794	0	47.288	0.043	10.481	0.107	0.43	98.14	469.6
c1-36	39.723	0.033	48.46	0.03	9.194	0.107	0.522	98.07	508.7
c1-37	40.13	0.064	48.307	0.07	8.948	0.076	0.455	98.05	518.5
c1-38	38.81	0.046	46.904	0.069	8.548	0.056	0.461	94.89	528.3
c1-39	39.843	0.027	48.791	0.06	8.407	0.093	0.456	97.68	538.1
c1-40	39.851	0.01	48.627	0.044	8.276	0.088	0.523	97.42	547.8
c1-41	39.841	0.062	48.482	0.062	7.884	0.053	0.458	96.84	557.6
c1-42	39.958	0.038	48.747	0.075	7.695	0.087	0.51	97.11	567.4
c1-43	39.903	0.019	49.024	0.033	7.855	0.073	0.544	97.45	577.2
c1-44	39.908	0.031	48.874	0.042	7.676	0.079	0.54	97.15	587.0
c1-45	39.661	0.013	49.023	0.051	7.525	0.054	0.518	96.85	596.8
c1-46	39.853	0.041	49.29	0.049	7.584	0.082	0.49	97.39	606.5
c1-47	39.791	0.007	49.124	0.037	7.445	0.132	0.462	97.00	616.3
c1-48	39.993	0.003	48.516	0.083	7.176	0.044	0.459	96.27	626.1
c1-49	39.984	0.012	49.184	0.051	7.299	0.091	0.482	97.10	635.9
c1-50	39.942	0.03	48.61	0.068	7.21	0.098	0.535	96.49	645.7
c1-51	39.79	0.018	48.812	0.057	7.241	0.072	0.48	96.47	655.5
c1-52	39.471	0.078	48.599	0.058	7.067	0.096	0.478	95.85	665.2
c1-53	39.778	0.055	49.023	0.028	7.313	0.103	0.453	96.75	675.0
c1-54	39.926	0.019	48.805	0.047	7.338	0.134	0.537	96.81	684.8
c1-55	38.773	0.042	47.683	0.026	7.11	0.068	0.498	94.20	694.6
c1-56	41.162	0.157	49.636	0.099	6.897	0.074	0.52	98.55	704.4
c1-57	39.987	0.028	48.948	0.057	7.2	0.097	0.486	96.80	714.2
c1-58	39.822	0.031	49.265	0.053	7.25	0.079	0.437	96.94	733.7

c1-59	39.418	0.026	48.866	0.063	7.144	0.066	0.498	96.08	743.5
c1-60	39.557	0.026	49.203	0.021	7.235	0.062	0.49	96.59	753.3
c1-61	39.779	0.047	49.042	0.064	7.201	0.073	0.515	96.72	763.1
c1-62	40.031	0.01	49.777	0.052	7.256	0.036	0.478	97.64	782.6
c1-63	39.882	0.033	49.31	0.03	7.26	0.063	0.485	97.06	792.4
c1-64	39.967	0.022	49.128	0.043	7.111	0.072	0.497	96.84	802.2
c1-65	39.599	0.018	49.217	0.066	7.192	0.063	0.434	96.59	812.0
c1-66	39.679	0.005	49.391	0.043	7.229	0.062	0.489	96.90	821.8
c1-67	40.019	0.006	49.127	0.035	7.068	0.056	0.439	96.75	831.6
c1-68	39.928	0.033	49.182	0.069	7.076	0.073	0.467	96.83	841.3
c1-69	39.999	0.033	49.418	0.069	7.242	0.072	0.516	97.35	851.1
c1-70	40.036	0.028	49.428	0.04	7.297	0.065	0.506	97.40	860.9
c1-71	39.93	0.025	49.273	0.04	7.282	0.107	0.459	97.12	870.7
c1-72	39.77	0.015	49.101	0.036	7.158	0.092	0.489	96.66	880.5
c1-73	39.721	0.023	48.983	0.054	7.186	0.055	0.456	96.48	890.2
c1-74	39.824	0.054	48.985	0.051	7.166	0.086	0.465	96.63	900.0
c1-75	39.702	0.007	49.25	0.05	7.135	0.096	0.509	96.75	909.8
c1-76	39.518	0.025	49.323	0.037	7.185	0.039	0.496	96.62	919.6
c1-77	39.623	0.03	49.525	0.063	7.137	0.072	0.525	96.98	929.4
c1-78	40.021	0.051	49.635	0.055	7.183	0.074	0.509	97.53	939.2
c1-79	40.077	0.05	49.715	0.053	7.114	0.084	0.515	97.61	948.9
c1-80	39.348	0.015	49.027	0.059	7.088	0.063	0.455	96.06	958.7
c1-81	39.947	0.032	49.15	0.082	7.335	0.077	0.379	97.00	978.3
c1-82	39.613	0.028	49.145	0.05	7.325	0.102	0.472	96.74	988.1
c1-83	40.46	0.03	49.809	0.063	7.228	0.088	0.477	98.16	1046.8
c1-84	39.918	0.038	49.072	0.064	7.323	0.101	0.411	96.93	1066.3
c1-85	42.462	0.73	48.245	0.184	6.275	0.058	0.368	98.32	1095.7
c1-86	39.542	0.014	49.157	0.046	7.26	0.077	0.459	96.56	1105.5

c1-87	40.602	0.021	50.286	0.065	7.131	0.084	0.436	98.63	1115.3
c1-88	39.474	0.002	49.252	0.051	7.113	0.078	0.38	96.35	1125.0
c1-89	38.856	0.182	47.157	0.061	7.186	0.113	0.418	93.97	1134.8
c1-90	39.648	0.039	49.292	0.049	7.107	0.056	0.476	96.67	1144.6
c1-91	39.283	0.02	48.967	0.06	7.186	0.085	0.431	96.03	1154.4
c1-92	39.492	0.007	49.159	0.049	7.177	0.058	0.558	96.50	1164.2
c1-93	39.617	0.01	48.829	0.026	7.023	0.061	0.389	95.96	1183.7
c1-94	39.462	0.031	48.835	0.061	7.25	0.053	0.438	96.13	1193.5
c1-95	39.684	0.038	49.122	0.061	7.06	0.084	0.472	96.52	1203.3
c1-96	40.128	0.026	49.549	0.082	7.058	0.054	0.49	97.39	1213.1
c1-97	40.502	0.029	50.325	0.076	7.123	0.105	0.458	98.62	1222.9
c1-98	39.593	0.014	49.096	0.023	7.196	0.075	0.403	96.40	1232.7
c1-99	40.742	0.038	50.03	0.059	7.33	0.052	0.47	98.72	1252.2
c1-100	41.379	0.012	50.961	0.053	7.273	0.069	0.463	100.21	1262.0

*Data analyzed by microprobe.

"-", □□abnormal analytical signal.

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Table DR3 Trace elements (ppm) along profiles b1,c1 and c2 of the selected olivine xenocryst from the Handan-Xingtai diorite, central North China block*:

Profile b1	Li	Na	Al	P	Ca	Sc	Ti	V	Cr	Mn	Co	Ni	Y	distance(μm)
b1-001	-	9.1	56	23.2	434	-	28.7	3.50	62	-	174	-	-	0.0
b1-002	8.89	10.3	63	14.9	633	4.47	21.0	3.19	68	-	178	1913	0.244	1.8
b1-003	9.47	12.3	53	20.1	405	4.48	21.7	3.24	64	-	178	1969	-	3.6
b1-004	9.76	18.1	54	21.9	352	4.77	19.9	3.65	75	-	173	-	-	5.4
b1-005	10.14	13.8	63	14.2	438	4.06	25.4	3.37	67	-	-	1956	0.233	7.3
b1-006	9.71	14.4	54	22.3	773	4.01	21.1	3.36	78	3600	177	1931	-	9.1
b1-007	8.95	18.1	52	21.5	507	-	20.7	3.53	75	3530	172	1941	-	10.9
b1-008	9.42	14.6	51	18.7	523	3.43	19.1	4.09	76	3529	180	-	-	12.7
b1-009	10.02	14.0	55	24.2	581	4.71	17.7	3.55	79	3603	177	1930	-	14.5
b1-010	9.77	10.0	56	17.6	490	4.16	26.3	3.57	76	3436	178	1957	-	16.3
b1-011	9.68	12.2	54	17.8	458	3.79	24.8	3.52	78	3476	175	2004	0.256	18.2
b1-012	10.13	9.9	58	22.4	658	4.47	16.3	4.02	93	3614	177	2060	-	20.0
b1-013	9.43	14.2	66	30.0	637	4.24	27.2	4.66	107	3543	180	2119	-	21.8
b1-014	9.54	19.6	97	28.8	755	4.45	22.3	3.96	93	3395	176	1968	-	23.6
b1-015	10.18	13.2	61	15.3	774	4.15	19.7	4.26	102	3517	173	2039	0.252	25.4
b1-016	9.48	14.6	69	23.3	411	4.41	20.2	3.92	91	3484	-	2091	-	27.2
b1-017	10.06	11.3	66	19.4	737	4.48	23.2	3.91	109	3459	178	2106	0.256	29.1
b1-018	10.15	16.6	86	23.0	677	3.84	21.5	4.34	111	3548	169	2152	0.204	30.9
b1-019	9.78	17.9	85	28.1	619	3.63	20.2	4.19	122	3365	170	2098	0.230	32.7
b1-020	9.11	5.5	102	22.9	440	4.22	28.1	4.53	128	3369	167	2033	-	34.5
b1-021	-	18.4	152	19.5	509	4.52	22.8	4.99	134	3499	180	2147	0.259	36.3
b1-022	9.98	18.0	99	18.5	717	4.41	24.7	3.92	145	3331	170	2104	0.248	38.1
b1-023	9.74	11.4	103	13.0	410	3.67	26.0	4.86	140	3408	174	2149	0.255	39.9
b1-024	-	13.5	90	22.2	471	4.26	18.1	4.68	159	3224	168	2130	0.248	41.8
b1-025	9.64	17.7	-	21.0	560	4.17	28.9	4.60	164	3444	171	2272	-	43.6
b1-026	9.75	17.0	131	22.7	772	4.28	27.3	4.66	163	3391	171	2193	-	45.4
b1-027	-	14.8	99	22.6	748	4.80	19.9	4.67	159	3277	169	2151	-	47.2
b1-028	10.2	13.9	133	21.3	496	4.35	15.7	5.09	165	3256	170	2199	0.231	49.0
b1-029	10.4	9.8	97	19.5	648	3.48	19.2	4.76	157	3246	165	2197	0.240	50.8
b1-030	9.85	8.5	96	19.1	469	4.22	22.6	5.60	165	3400	174	2280	-	52.7
b1-031	9.18	17.4	98	14.7	689	3.48	18.6	5.28	128	3127	176	2305	-	54.5
b1-032	9.17	12.0	114	16.0	558	4.07	24.2	5.39	159	3386	172	2388	0.201	56.3
b1-033	9.32	11.6	95	21.3	463	4.24	25.5	5.37	151	3278	165	2265	-	58.1
b1-034	9.11	6.4	103	15.4	743	3.83	23.7	4.31	130	3153	161	2270	0.237	59.9
b1-035	9.33	8.7	110	17.3	628	4.21	32.4	4.90	136	3278	173	2332	0.191	61.7
b1-036	9.69	9.6	90	21.9	537	4.32	21.3	4.91	151	3307	168	2371	0.192	63.6

b1-037	9.42	3.3	94	21.1	646	3.99	28.1	5.20	171	3239	172	2386	-	65.4
b1-038	8.84	10.5	89	23.3	543	4.57	27.4	5.39	175	3375	170	2372	0.201	67.2
b1-039	8.56	5.8	91	19.8	428	3.85	21.7	4.58	167	3206	164	2251	0.213	69.0
b1-040	9.46	6.5	99	18.5	464	4.31	21.3	5.56	156	3269	172	2470	-	70.8
b1-041	9.38	10.8	99	20.9	380	4.27	20.2	4.87	157	3234	171	2428	0.205	72.6
b1-042	9.63	9.2	106	21.0	361	4.65	24.6	5.34	146	3110	169	2390	0.196	74.4
b1-043	9.15	13.9	110	22.4	513	3.51	25.2	5.33	155	3137	164	2425	-	76.3
b1-044	9.58	24.8	133	21.2	681	4.58	29.1	6.01	164	3193	170	2568	-	78.1
b1-045	9.84	-	149	21.6	731	4.39	28.9	5.89	149	3156	172	2535	-	79.9
b1-046	8.79	-	166	16.6	625	3.66	23.0	6.14	174	3186	170	2472	-	81.7
b1-047	9.67	-	196	18.9	642	3.96	28.8	6.23	217	3061	172	2505	-	83.5
b1-048	9.64	-	211	19.9	687	4.58	27.0	6.62	258	3030	173	2531	-	85.3
b1-049	9.40	-	215	21.2	785	4.15	22.3	6.68	291	3060	170	2583	-	87.2
b1-050	8.81	-	208	25.4	642	3.86	26.6	6.04	-	3101	165	2550	-	89.0
b1-051	9.05	-	193	21.3	595	3.65	23.3	6.89	-	2920	159	2538	0.200	90.8
b1-052	8.28	-	162	22.1	462	3.68	28.5	6.83	-	2905	164	2455	0.207	92.6
b1-053	8.75	-	163	19.9	493	3.70	25.3	5.84	-	3034	164	2656	0.184	94.4
b1-054	9.41	-	137	20.3	174	3.94	25.2	6.16	-	3013	162	2599	0.161	96.2
b1-055	8.77	-	135	20.9	527	3.92	19.0	5.77	-	2935	168	2681	0.177	98.1
b1-056	9.29	-	129	-	464	3.85	32.7	6.43	330	2890	166	2622	0.150	99.9
b1-057	9.86	-	142	28.8	528	3.62	26.1	6.38	323	2971	161	2735	-	101.7
b1-058	9.40	-	200	-	522	2.87	16.9	6.17	321	2803	161	2636	0.215	103.5
b1-059	9.22	-	238	27.5	706	3.42	25.6	-	-	2820	161	2492	-	105.3
b1-060	8.63	-	-	-	-	3.80	24.7	-	-	2860	167	2696	-	107.1
b1-061	9.92	-	-	27.4	577	3.86	34.8	-	-	2928	164	2672	-	108.9
b1-062	8.42	-	-	-	-	4.27	30.6	-	-	2551	160	2614	0.207	110.8
b1-063	9.43	-	-	-	772	3.41	25.5	-	-	2757	162	2744	-	112.6
b1-064	8.24	-	-	-	673	3.92	35.4	-	-	2774	165	2820	0.159	114.4
b1-065	8.65	-	-	-	489	3.17	30.1	-	326	2566	164	2679	0.157	116.2
b1-066	8.18	-	-	-	623	3.68	28.9	6.88	307	2693	165	2871	0.173	118.0
b1-067	8.18	-	-	-	537	3.50	28.1	6.22	277	2622	155	2862	0.179	119.8
b1-068	7.88	-	-	-	374	3.72	38.2	5.94	288	2646	161	2790	0.208	121.7
b1-069	8.18	-	229	23.7	545	4.19	31.1	5.91	262	2637	161	3042	0.182	123.5
b1-070	8.42	-	193	29.8	488	3.37	26.1	6.13	267	2611	163	2843	0.205	125.3
b1-071	8.05	-	173	23.8	606	3.26	23.5	5.82	265	2545	163	2838	0.108	127.1
b1-072	8.63	-	168	-	681	3.03	25.7	5.76	274	2561	162	2858	0.129	128.9
b1-073	8.44	-	185	-	768	2.82	25.7	6.37	280	2536	158	2841	0.122	130.7
b1-074	8.31	-	191	-	496	3.65	27.0	5.77	314	2465	157	2870	0.134	132.6

b1-075	7.72	-	196	23.3	628	3.27	26.2	6.00	311	2451	150	3115	0.114	134.4
b1-076	8.12	-	194	23.2	458	3.36	26.1	6.68	323	2437	161	2869	-	136.2
b1-077	8.22	-	179	24.7	686	3.42	22.8	6.11	300	2392	147	2899	0.196	138.0
b1-078	7.62	-	213	25.7	609	3.46	23.7	6.92	315	2343	165	2939	0.186	139.8
b1-079	7.95	-	231	-	559	4.31	32.4	6.38	290	2440	160	2964	0.163	141.6
b1-080	8.04	-	232	-	612	3.45	32.1	6.17	295	2377	163	3050	0.134	143.4
b1-081	7.94	-	198	26.0	645	3.65	27.8	6.25	277	2465	161	2989	0.145	145.3
b1-082	8.91	-	193	27.2	544	3.62	23.6	7.29	292	2512	165	2955	0.118	147.1
b1-083	8.35	-	198	22.1	-	3.40	30.3	6.86	265	2444	159	2990	0.111	148.9
b1-084	7.15	-	213	18.1	575	3.02	35.1	6.95	285	2351	163	3059	0.150	150.7
b1-085	8.77	-	199	23.0	634	3.25	30.2	6.67	302	2455	161	3061	0.160	152.5
b1-086	7.72	-	186	19.7	374	3.64	28.1	6.41	272	2429	164	3123	0.088	154.3
b1-087	7.59	-	183	25.7	-	3.40	28.1	6.28	295	2363	162	3064	0.074	156.2
b1-088	8.37	-	183	25.1	671	2.71	30.0	6.11	283	2350	163	3155	0.155	158.0
b1-089	8.76	-	209	26.3	-	2.82	25.5	5.58	287	2388	161	3096	0.137	159.8
b1-090	8.84	-	176	24.1	-	3.20	33.0	5.81	292	2367	159	3199	0.117	161.6
b1-091	7.73	-	233	24.6	-	3.47	29.1	5.82	307	2287	157	3043	0.087	163.4
b1-092	8.17	-	-	23.1	-	3.31	35.0	5.96	295	2277	157	3051	0.109	165.2
b1-093	7.33	-	-	21.5	692	3.22	29.5	6.12	297	2295	160	3139	0.094	167.1
b1-094	7.59	-	224	23.1	-	2.92	27.2	6.11	308	2286	-	3130	0.102	168.9
b1-095	7.98	-	238	24.5	-	3.07	27.6	6.64	320	2250	164	3115	0.102	170.7
b1-096	7.70	-	204	17.7	-	2.77	25.3	5.68	327	2186	156	3157	0.178	172.5
b1-097	7.65	-	211	22.0	582	2.80	27.3	6.16	293	2179	160	3120	0.123	174.3
b1-098	7.43	-	189	20.5	547	2.56	21.8	5.59	292	2145	155	3160	0.080	176.1
b1-099	7.65	-	189	19.8	-	3.38	30.2	5.54	303	2151	150	3105	0.102	177.9
b1-100	7.73	-	174	17.4	486	2.73	24.3	5.75	293	2140	157	3187	0.094	179.8
b1-101	6.91	-	185	24.2	596	2.76	26.6	6.51	307	2206	159	3325	0.068	181.6
b1-102	7.61	-	173	25.9	-	2.50	16.5	5.86	307	2085	153	3128	0.107	183.4
b1-103	6.78	-	174	17.0	573	2.59	28.0	5.59	324	2120	159	3228	0.075	185.2
b1-104	7.33	-	173	22.2	604	3.30	28.4	5.57	292	2113	161	3280	0.075	187.0
b1-105	7.03	-	176	22.3	506	2.84	28.4	6.20	288	2178	160	3308	0.119	188.8
b1-106	7.37	-	177	23.8	637	2.68	25.9	6.05	287	2101	160	3233	0.075	190.7
b1-107	7.04	-	167	25.1	678	3.24	23.1	5.61	285	2069	159	3167	0.039	192.5
b1-108	6.28	-	167	16.2	565	2.73	26.3	6.31	293	2081	156	3273	0.102	194.3
b1-109	7.81	-	162	19.1	619	3.04	29.7	5.41	298	2112	157	3353	0.068	196.1
b1-110	7.20	-	165	21.9	546	3.05	25.5	5.43	281	2068	157	3248	0.054	197.9
b1-111	7.50	-	172	21.0	400	3.34	31.7	5.28	313	2114	162	3339	0.069	199.7
b1-112	7.39	-	171	20.9	578	2.96	22.9	5.99	300	2073	159	3284	0.075	201.6

b1-113	7.53	-	177	21.5	475	3.19	26.6	6.29	293	2148	162	3541	0.040	203.4
b1-114	7.42	-	175	29.5	423	2.99	26.2	5.67	300	2068	152	3246	0.025	205.2
b1-115	6.56	-	192	18.6	395	2.65	30.8	5.72	329	2077	157	3292	0.104	207.0
b1-116	7.56	-	186	18.9	413	2.67	27.9	6.19	345	2074	150	3303	0.068	208.8
b1-117	7.40	-	203	21.7	319	2.00	33.2	5.63	356	2164	158	3448	0.064	210.6
b1-118	7.31	-	187	13.8	366	2.45	26.5	5.79	335	2065	146	3336	0.047	212.4
b1-119	6.36	-	192	17.5	294	2.76	27.8	6.55	339	2117	152	3315	0.069	214.3
b1-120	7.35	-	193	22.7	374	3.33	25.7	5.85	339	2135	154	3408	0.070	216.1
b1-121	7.69	-	186	17.2	458	2.93	37.1	5.64	312	2160	154	3515	0.086	217.9
b1-122	7.18	25.2	183	15.0	219	3.14	22.6	5.26	307	2096	149	3413	0.070	219.7
b1-123	6.60	23.1	177	15.5	262	3.19	25.5	5.81	325	2041	147	3410	0.040	221.5
b1-124	7.16	18.9	172	14.9	248	2.88	25.6	6.25	304	2125	150	3404	0.025	223.3
b1-125	7.45	15.2	178	14.5	311	2.56	30.2	5.93	299	2098	149	3479	0.033	225.2
b1-126	6.98	15.5	172	16.8	413	3.26	27.6	4.92	295	2070	154	3489	0.116	227.0
b1-127	6.47	19.3	174	18.2	394	2.92	21.0	6.16	292	2106	157	3481	0.033	228.8
b1-128	7.89	13.7	174	24.3	356	2.19	27.3	4.59	289	2013	149	3410	0.055	230.6
b1-129	7.30	12.7	171	16.5	401	2.37	31.3	5.59	296	2053	153	3543	0.062	232.4
b1-130	7.10	14.7	168	19.3	324	2.65	30.4	5.73	310	1984	153	3609	0.091	234.2
b1-131	7.01	14.8	166	11.7	201	2.13	24.6	5.72	318	2008	151	3485	0.062	236.1
b1-132	7.16	16.5	179	17.2	169	2.81	30.1	6.28	296	1962	150	3498	0.040	237.9
b1-133	7.27	13.2	180	23.9	246	2.69	28.5	4.90	305	1987	143	3411	0.040	239.7
b1-134	7.15	15.7	186	-	402	2.19	24.2	5.08	308	1922	156	3553	0.018	241.5
b1-135	6.67	16.2	188	26.7	214	2.57	26.1	5.36	297	1922	145	-	0.018	243.3
b1-136	7.37	20.2	188	20.3	339	2.78	29.9	5.48	323	1961	144	3521	0.040	245.1
b1-137	6.72	20.4	205	25.3	371	2.38	23.7	5.68	309	1884	149	3566	0.033	246.9
b1-138	6.42	24.2	208	19.6	260	2.68	23.1	5.39	316	1806	143	3654	0.018	248.8
b1-139	6.55	37.8	-	-	274	2.31	29.0	6.24	317	1753	148	3587	0.039	250.6
b1-140	6.09	27.3	208	22.7	273	2.73	23.3	5.13	326	1781	141	3494	0.011	252.4
b1-141	7.01	25.4	201	21.6	358	2.22	29.4	4.71	324	1724	145	3515	0.046	254.2
b1-142	6.61	30.1	196	21.7	217	1.94	26.4	5.87	313	1767	148	3567	-	256.0
b1-143	6.07	23.6	197	25.4	342	2.17	29.3	5.02	342	1767	144	3572	0.033	257.8
b1-144	5.75	33.8	205	27.9	343	2.74	30.2	5.73	336	1679	136	3512	0.032	259.7
b1-145	5.94	32.7	232	19.5	183	2.29	28.7	5.58	343	1653	139	3540	0.011	261.5
b1-146	6.21	-	231	27.0	285	2.57	25.6	5.16	350	1648	136	3464	0.039	263.3
b1-147	5.27	-	226	21.2	270	2.41	34.8	5.10	348	1619	138	3535	0.010	265.1
b1-148	5.50	-	229	-	310	2.39	24.3	4.91	339	1649	141	3567	0.069	266.9
b1-149	5.56	-	-	26.9	439	2.58	27.7	5.54	345	1653	139	3542	0.026	268.7
b1-150	5.38	-	231	25.9	414	2.81	29.3	5.09	351	1611	138	3584	0.032	270.6

b1-151	6.03	-	228	25.2	434	2.80	26.5	4.87	368	1634	144	3706	0.055	272.4
b1-152	5.84	-	-	-	400	2.28	39.6	4.54	359	1635	140	3659	0.047	274.2
b1-153	6.01	-	221	24.8	474	2.46	32.6	5.74	344	1573	141	3639	0.017	276.0
b1-154	5.87	-	222	19.8	445	2.31	26.2	5.94	321	1540	140	3618	0.031	277.8
b1-155	5.87	-	229	28.3	473	2.53	30.8	4.87	330	1542	-	3467	0.017	279.6
b1-156	5.43	-	241	27.6	380	1.97	29.5	4.68	346	1633	142	3763	0.047	281.4
b1-157	5.76	-	214	27.8	-	2.72	32.7	4.96	343	1557	145	3573	0.038	283.3
b1-158	5.80	-	206	25.9	471	2.39	32.4	5.93	349	1572	140	3784	0.031	285.1
b1-159	5.41	-	198	27.9	-	1.99	34.3	4.94	337	1594	146	3792	0.017	286.9
b1-160	5.40	-	199	25.7	-	2.25	29.5	5.29	377	1573	142	3754	0.039	288.7
b1-161	5.19	-	194	18.5	-	2.53	32.4	4.84	362	1586	152	3881	-	290.5
b1-162	6.01	-	200	28.1	429	2.17	33.5	4.99	371	1573	151	3887	-	292.3
b1-163	5.96	-	190	11.1	-	2.58	37.6	4.87	356	1586	143	3733	0.010	294.2
b1-164	5.23	-	192	20.3	-	1.88	26.5	4.83	354	1573	148	3706	0.038	296.0
b1-165	5.84	-	193	19.5	437	2.16	25.3	5.89	366	1568	153	3757	0.025	297.8
b1-166	5.56	-	193	22.0	-	2.15	22.9	5.36	334	1549	144	3674	-	299.6
b1-167	6.10	-	190	28.4	423	1.84	29.7	4.88	348	1600	145	3745	0.046	301.4
b1-168	6.16	-	205	18.8	384	2.23	34.3	5.23	354	1641	147	3746	-	303.2
b1-169	5.89	-	194	17.6	423	1.99	28.3	5.18	337	1581	139	3604	0.024	305.1
b1-170	5.44	-	208	12.8	-	2.19	27.9	5.55	367	1576	143	3755	0.018	306.9
b1-171	5.74	-	199	16.2	284	2.17	32.0	4.39	337	1566	141	3708	0.010	308.7
b1-172	5.50	-	207	26.8	315	2.41	26.9	4.85	342	1556	139	3814	0.032	310.5
b1-173	5.41	-	202	18.6	400	2.21	35.7	4.50	351	1570	-	3824	0.011	312.3
b1-174	5.58	-	193	21.0	284	2.25	23.8	5.11	352	1514	143	3676	0.025	314.1
b1-175	6.32	-	195	23.9	373	2.09	26.6	4.74	349	1566	142	3768	0.018	315.9
b1-176	6.65	-	200	20.7	206	2.41	32.6	4.76	357	1576	141	3854	-	317.8
b1-177	5.99	31.2	193	18.3	222	2.55	23.8	5.38	360	1583	145	3853	-	319.6
b1-178	5.52	21.9	203	17.4	247	2.18	28.6	5.05	364	1585	144	3733	0.025	321.4
b1-179	5.77	25.1	185	13.8	303	2.06	24.6	5.57	342	1517	140	3656	0.025	323.2
b1-180	5.60	26.2	189	18.9	391	2.71	24.5	4.67	363	1584	147	3662	0.018	325.0
b1-181	5.70	30.8	192	11.9	353	2.61	30.2	5.40	370	1595	149	3948	0.004	326.8
b1-182	5.00	21.8	180	15.5	93	2.27	34.0	4.51	364	1518	137	3640	0.040	328.7
b1-183	5.21	24.3	191	19.0	175	2.05	31.3	5.39	358	1542	145	3695	0.026	330.5
b1-184	5.62	21.1	190	17.9	386	2.25	23.8	4.93	350	1527	144	3865	0.019	332.3
b1-185	5.84	18.9	184	15.9	159	1.96	26.6	4.46	352	1516	-	3777	-	334.1
b1-186	5.43	22.2	178	17.7	159	1.94	28.0	4.92	344	1494	140	3708	-	335.9
b1-187	5.19	19.4	183	22.7	345	2.25	25.9	5.05	349	1489	136	3803	0.018	337.7
b1-188	6.17	26.8	188	16.1	285	2.05	23.9	4.87	337	1509	140	3884	0.011	339.6

b1-189	5.84	25.5	192	14.6	222	2.66	21.1	4.70	365	1463	140	3670	0.019	341.4
b1-190	5.58	28.6	187	19.2	127	2.19	31.3	4.83	348	1493	139	3825	0.041	343.2
b1-191	5.81	24.8	185	12.7	283	2.03	34.6	4.83	351	1465	143	3769	-	345.0
b1-192	5.02	26.6	184	12.1	439	2.36	28.6	4.88	370	1453	142	3605	0.018	346.8
b1-193	5.73	31.3	184	17.2	342	1.79	34.9	5.15	372	1476	149	3917	0.027	348.6
b1-194	5.18	27.2	181	18.7	161	2.49	25.5	4.39	363	1466	138	3806	-	350.4
b1-195	5.87	28.8	181	15.6	316	2.82	27.4	5.39	352	1508	145	3884	0.026	352.3
b1-196	5.79	24.4	183	11.6	359	2.40	29.9	4.90	337	1423	143	3827	0.011	354.1
b1-197	5.31	28.1	188	19.8	240	1.98	33.4	4.58	367	1419	142	4037	-	355.9
b1-198	5.30	29.3	184	16.6	409	1.73	26.9	5.76	357	1499	140	3948	0.018	357.7
b1-199	5.12	32.3	189	13.5	354	2.02	23.3	4.87	358	1429	141	3888	0.019	359.5
b1-200	5.14	26.2	190	16.7	224	2.63	32.9	4.79	349	1443	143	3867	-	361.3
b1-201	5.43	34.3	195	21.6	173	1.78	24.6	4.94	358	1378	151	3885	0.026	363.2
b1-202	4.40	31.9	181	16.4	295	1.92	28.3	5.32	363	1358	138	3775	-	365.0
b1-203	5.06	28.3	183	18.3	397	1.88	29.0	4.71	368	1379	144	3977	-	366.8
b1-204	4.88	33.7	189	26.6	288	2.21	30.2	5.15	396	1427	146	4006	0.019	368.6
b1-205	4.74	33.4	190	18.5	302	2.13	30.8	4.86	361	1371	142	3806	0.026	370.4
b1-206	5.21	27.5	190	18.6	388	2.04	29.7	5.28	378	1339	139	3970	0.011	372.2
b1-207	4.88	26.5	190	17.2	351	2.03	26.5	4.98	358	1314	144	3821	0.011	374.1
b1-208	4.34	29.2	198	24.6	153	1.95	26.6	5.24	369	1321	138	3872	0.032	375.9
b1-209	4.49	33.4	201	15.1	282	2.19	27.2	4.50	364	1305	149	3968	-	377.7
b1-210	4.76	29.3	193	18.7	272	2.32	29.3	5.39	347	1295	139	3787	-	379.5
b1-211	4.46	30.8	196	15.0	153	2.01	32.8	5.61	365	1282	135	3899	-	381.3
b1-212	4.79	35.0	194	11.9	121	1.96	30.7	5.05	347	1261	138	3773	-	383.1
b1-213	4.23	36.9	185	14.6	282	2.60	34.9	5.34	373	1265	141	3866	-	384.9
b1-214	4.92	30.6	187	18.6	331	1.84	26.5	5.45	363	1322	149	4039	-	386.8
b1-215	4.97	30.9	201	23.7	264	1.90	27.0	5.11	383	1286	146	4012	-	388.6
b1-216	5.50	30.7	190	29.7	260	1.71	29.7	5.44	368	1277	137	4031	0.025	390.4
b1-217	4.74	25.0	193	19.3	290	1.77	22.6	4.99	341	1229	138	3748	0.010	392.2
b1-218	4.85	28.1	211	28.2	355	2.00	27.7	4.77	373	1295	143	4082	0.011	394.0
b1-219	4.40	34.6	223	21.2	385	2.12	32.2	5.17	362	1219	136	3843	-	395.8
b1-220	4.21	34.1	200	24.9	392	1.71	32.8	5.34	360	1221	142	3811	0.018	397.7
b1-221	3.94	30.6	194	27.7	292	1.86	27.9	5.39	362	1156	138	3721	0.017	399.5
b1-222	3.64	40.0	237	28.0	218	1.93	33.8	5.34	370	1192	149	-	0.011	401.3
b1-223	4.09	32.4	220	23.5	134	1.61	35.3	4.92	393	1112	136	3727	0.010	403.1
b1-224	4.33	40.0	-	17.7	345	2.72	35.9	5.75	411	1187	144	3977	0.011	404.9
b1-225	3.34	36.4	252	22.0	332	2.29	33.2	5.54	355	1068	139	3954	-	406.7
b1-226	4.12	39.0	226	21.5	576	2.12	31.2	5.43	330	1082	141	3844	-	408.6

b1-227	3.69	39.9	246	23.4	292	1.63	29.4	5.03	369	1056	138	3870	-	410.4
b1-228	3.77	37.7	203	22.7	218	2.07	23.9	5.22	351	1066	138	3820	-	412.2
b1-229	3.38	38.4	193	24.8	247	2.37	31.3	4.58	363	1032	140	3801	-	414.0
b1-230	3.50	38.2	199	23.4	274	1.75	21.6	5.08	330	1036	137	3798	-	415.8
b1-231	3.40	31.6	199	24.7	304	1.65	29.1	5.31	368	1041	135	3721	-	417.6
b1-232	2.87	40.2	222	26.0	531	1.88	29.1	5.08	321	986	-	3784	-	419.4
b1-233	3.43	37.5	199	21.8	287	1.71	31.1	5.23	345	977	131	3746	-	421.3
b1-234	3.57	43.5	220	24.9	343	2.01	28.4	5.18	343	1005	139	3902	0.011	423.1
b1-235	3.00	44.0	215	22.5	297	2.29	21.9	5.21	323	951	133	3777	-	424.9
b1-236	3.19	37.4	232	23.2	410	1.75	37.4	5.55	300	956	138	3726	0.018	426.7
b1-237	2.96	43.3	202	20.5	301	2.16	34.9	4.88	307	921	-	-	-	428.5
b1-238	2.50	35.5	201	26.1	299	2.17	27.7	5.13	338	959	-	3699	-	430.3
b1-239	3.04	33.6	189	17.9	352	1.97	31.0	4.87	317	954	130	3770	0.010	432.2
b1-240	3.41	33.0	187	24.8	343	1.77	33.2	5.09	319	961	132	3765	0.024	434.0
b1-241	2.86	36.9	191	16.7	208	1.73	35.6	5.13	321	961	130	3772	0.010	435.8
b1-242	3.15	33.1	189	15.3	283	1.69	38.3	5.67	336	970	-	3903	0.017	437.6
b1-243	2.96	36.3	187	20.5	324	1.53	31.2	5.47	338	979	136	4001	0.018	439.4
b1-244	2.85	33.1	176	19.2	235	1.95	21.3	4.90	307	987	133	3855	-	441.2
b1-245	3.00	33.3	183	17.9	269	1.54	32.9	5.06	322	969	138	3942	0.010	443.1
b1-246	3.48	28.8	193	-	287	1.50	23.6	6.04	310	993	143	3861	-	444.9
b1-247	3.11	31.5	193	16.4	166	2.00	33.2	5.63	317	961	143	3849	-	446.7
b1-248	3.22	28.8	189	19.4	227	1.85	29.8	5.62	335	976	141	3875	0.011	448.5
b1-249	3.17	29.0	184	22.8	389	2.04	36.0	5.27	313	955	140	3895	0.018	450.3
b1-250	2.83	32.4	190	14.8	254	2.06	29.8	5.26	343	965	134	3915	< 0.01	452.1
b1-251	3.56	31.3	191	16.9	185	1.88	33.0	5.21	343	965	139	3880	< 0.01	453.9
b1-252	3.47	35.1	184	12.6	310	1.99	31.3	5.30	331	867	133	3840	< 0.01	455.8
b1-253	3.37	34.2	179	17.4	151	1.66	37.1	5.30	348	933	133	3939	< 0.01	457.6
b1-254	3.05	22.8	179	15.0	287	1.93	29.8	5.23	347	929	138	3841	< 0.01	459.4
b1-255	3.25	33.8	171	14.6	461	1.69	34.7	5.91	338	913	137	4005	< 0.01	461.2
b1-256	3.39	31.2	182	15.3	195	2.25	30.4	6.46	342	894	142	3891	< 0.01	463.0
b1-257	3.10	33.3	179	19.3	306	2.30	41.2	5.43	347	962	135	4041	< 0.01	464.8
b1-258	3.35	35.7	183	19.0	228	1.99	25.1	5.31	342	918	140	3932	< 0.01	466.7
b1-259	3.05	33.8	179	19.9	164	1.96	33.3	5.37	345	870	139	3863	< 0.01	468.5
b1-260	3.51	40.5	185	-	211	2.02	32.2	5.55	340	893	143	3827	< 0.01	470.3
b1-261	3.00	35.3	181	16.1	281	1.73	27.4	5.05	328	840	141	3831	< 0.01	472.1
b1-262	3.30	32.6	180	12.4	270	2.01	31.2	5.67	352	862	137	3728	< 0.01	473.9
b1-263	3.21	28.2	176	20.7	289	2.26	36.5	4.79	319	845	-	3812	< 0.01	475.7
b1-264	2.96	35.8	189	17.6	426	1.70	30.0	4.78	363	826	140	3864	< 0.01	477.6

b1-265	3.30	33.7	198	17.6	354	1.72	35.9	5.31	361	847	136	3910	< 0.01	479.4
b1-266	3.40	-	216	15.2	197	2.40	39.0	5.65	353	860	138	4031	< 0.01	481.2
b1-267	3.28	39.1	243	16.3	319	1.78	30.4	5.68	362	843	143	3911	< 0.01	483.0
b1-268	3.11	34.2	193	14.3	253	1.69	34.0	5.42	353	820	138	3810	< 0.01	484.8
b1-269	2.92	35.2	197	14.3	229	1.57	19.9	4.70	359	825	137	3943	< 0.01	486.6
b1-270	3.46	36.1	195	17.8	268	1.98	35.4	4.77	353	829	136	3820	< 0.01	488.4
b1-271	3.16	38.7	-	20.7	244	2.10	37.1	5.65	366	821	141	3951	< 0.01	490.3
b1-272	3.10	34.4	219	14.8	107	2.26	33.0	5.47	356	817	131	3887	< 0.01	492.1
b1-273	3.58	38.2	230	16.3	152	1.75	44.4	5.37	343	762	136	3867	< 0.01	493.9
b1-274	3.30	31.8	237	21.4	269	1.85	34.2	4.76	349	808	131	3927	< 0.01	495.7
b1-275	3.19	35.5	186	23.6	313	2.16	35.4	5.30	352	784	134	3835	< 0.01	497.5
b1-276	2.72	37.5	188	16.8	239	1.77	32.8	4.45	370	763	142	3921	< 0.01	499.3
b1-277	3.01	-	188	22.9	227	1.56	30.3	5.40	377	766	138	3773	< 0.01	501.2
b1-278	2.90	-	199	16.2	464	2.16	33.6	6.00	413	782	140	3943	< 0.01	503.0
b1-279	3.42	35.1	198	17.2	338	2.05	30.2	5.29	423	725	136	3791	< 0.01	504.8
b1-280	3.41	38.8	210	17.6	354	1.61	38.8	5.56	-	778	137	3914	< 0.01	506.6
b1-281	3.03	36.9	197	13.9	208	1.84	37.8	5.45	-	732	135	3750	< 0.01	508.4
b1-282	2.85	37.6	182	20.0	416	1.35	34.5	4.89	-	740	136	3668	< 0.01	510.2
b1-283	3.08	34.0	190	19.7	265	1.93	33.9	5.73	-	767	-	4044	< 0.01	512.1
b1-284	2.99	34.3	186	17.3	434	1.57	35.5	5.20	402	757	137	3835	< 0.01	513.9
b1-285	2.81	35.7	175	17.5	261	2.17	35.1	5.78	435	734	136	3867	< 0.01	515.7
b1-286	2.63	33.6	157	16.6	192	2.04	31.2	5.49	362	725	131	3758	< 0.01	517.5
b1-287	3.48	34.4	183	18.6	301	1.44	42.3	5.77	374	717	142	3767	< 0.01	519.3
b1-288	3.05	-	210	22.0	326	1.90	30.2	5.98	377	747	142	3933	< 0.01	521.1
b1-289	2.82	-	238	16.8	291	2.06	32.8	5.39	361	716	135	3729	< 0.01	522.9
b1-290	2.99	-	-	22.0	262	1.48	37.4	5.99	386	737	140	3948	< 0.01	524.8
b1-291	3.45	-	-	29.0	249	1.62	36.9	6.09	363	733	138	3867	< 0.01	526.6
b1-292	2.93	-	-	-	330	1.68	38.3	5.40	350	704	138	3751	< 0.01	528.4
b1-293	3.07	-	-	-	275	1.90	43.4	5.06	346	719	137	3935	< 0.01	530.2
b1-294	3.42	-	-	-	202	2.03	37.3	5.32	332	715	140	3827	< 0.01	532.0
b1-295	3.11	-	-	-	353	2.04	49.8	5.10	324	691	140	3834	< 0.01	533.8
b1-296	3.03	-	-	-	438	1.85	45.5	5.04	318	698	145	3883	< 0.01	535.7
b1-297	3.31	-	-	-	351	1.73	-	4.83	319	704	140	3798	< 0.01	537.5
b1-298	2.47	-	-	-	319	1.88	-	4.62	326	693	139	3747	< 0.01	539.3
b1-299	2.70	-	-	-	287	1.95	47.2	5.19	328	686	132	3835	< 0.01	541.1
b1-300	2.59	-	-	28.2	361	1.64	41.9	5.05	315	679	136	3641	< 0.01	542.9
b1-301	2.78	-	-	27.3	290	2.16	47.3	5.40	366	684	-	3848	< 0.01	544.7
b1-302	2.79	-	-	23.5	327	1.71	43.5	5.26	308	670	140	3714	< 0.01	546.6

b1-303	3.12	-	-	23.9	184	1.95	40.7	5.01	355	708	144	3757	< 0.01	548.4
b1-304	2.79	-	-	18.6	350	1.78	42.3	5.43	331	693	143	3760	< 0.01	550.2
b1-305	3.08	-	215	23.3	351	1.87	45.1	4.96	336	669	140	3778	< 0.01	552.0
b1-306	2.75	-	195	20.7	354	1.96	45.5	5.44	338	674	134	3834	< 0.01	553.8
b1-307	2.90	-	187	24.1	357	1.79	33.3	5.40	352	670	140	3793	< 0.01	555.6
b1-308	2.99	-	169	21.9	271	1.44	39.2	4.74	326	664	129	3583	< 0.01	557.4
b1-309	2.70	-	163	25.5	388	1.72	42.0	5.51	328	669	138	3618	< 0.01	559.3
b1-310	2.75	-	-	310	1.86	44.0	5.12	356	686	147	3941	< 0.01	561.1	
b1-311	3.11	-	-	325	2.24	36.3	5.31	349	684	138	3874	< 0.01	562.9	
b1-312	3.17	-	-	-	2.09	40.7	5.75	404	720	137	3847	< 0.01	564.7	
b1-313	2.76	-	-	-	2.24	39.2	5.16	402	681	139	3867	< 0.01	566.5	
b1-314	3.05	-	-	404	1.88	44.2	6.61	-	720	143	4060	< 0.01	568.3	
b1-315	3.02	-	-	-	1.81	-	5.47	-	709	-	3984	< 0.01	570.2	
b1-316	2.84	-	-	-	1.96	-	5.07	-	714	-	-	< 0.01	572.0	
b1-317	2.77	-	-	-	2.01	42.6	5.77	-	752	-	-	< 0.01	573.8	
b1-318	2.71	-	-	-	1.73	36.6	5.53	409	724	-	4085	< 0.01	575.6	
b1-319	3.19	-	-	24.6	-	1.82	42.7	4.74	436	667	142	3777	< 0.01	577.4
b1-320	2.88	-	-	24.8	-	1.55	36.0	6.18	401	707	147	3888	< 0.01	579.2
b1-321	3.20	-	218	21.8	-	2.00	34.7	5.67	397	706	-	3939	< 0.01	581.1
b1-322	3.13	-	212	23.6	-	1.79	33.7	6.18	447	771	-	-	< 0.01	582.9
b1-323	3.17	-	206	19.5	-	2.03	43.9	5.44	429	754	-	3982	< 0.01	584.7
b1-324	3.06	-	224	28.1	-	2.10	43.1	6.62	418	759	-	4026	< 0.01	586.5
b1-325	3.56	-	-	21.7	-	2.43	33.3	6.57	404	730	-	4005	< 0.01	588.3
b1-326	3.11	-	-	25.9	-	1.69	42.3	4.96	409	725	-	4107	< 0.01	590.1
b1-327	3.31	-	202	28.6	-	1.83	42.8	5.35	392	734	-	3900	< 0.01	591.9
b1-328	3.13	-	197	19.4	-	1.78	43.3	5.90	387	749	-	-	< 0.01	593.8
b1-329	3.57	-	225	20.2	-	1.99	41.3	5.99	436	732	-	4028	< 0.01	595.6
b1-330	2.98	-	191	20.2	-	2.00	39.9	4.99	386	763	-	-	< 0.01	597.4
b1-331	3.53	-	175	22.4	-	1.80	42.9	5.02	370	732	-	4083	< 0.01	599.2
b1-332	3.51	-	189	14.6	-	2.21	37.8	6.18	388	749	-	4108	< 0.01	601.0
b1-333	3.51	-	183	17.7	-	1.78	40.8	6.36	376	741	-	4067	< 0.01	602.8
b1-334	3.53	-	170	15.6	-	2.13	40.1	6.05	378	759	-	-	< 0.01	604.7
b1-335	3.25	-	155	16.3	-	1.79	39.2	5.57	372	738	-	4035	< 0.01	606.5
b1-336	3.19	-	152	21.6	-	2.27	37.6	5.70	364	693	-	3889	< 0.01	608.3
b1-337	2.95	-	157	16.8	-	2.04	45.8	6.21	414	727	-	4055	< 0.01	610.1
b1-338	3.12	-	164	12.8	-	1.43	45.1	6.31	382	684	-	4098	< 0.01	611.9
b1-339	3.09	-	172	15.7	-	1.92	40.1	5.49	368	702	147	4085	< 0.01	613.7
b1-340	2.90	-	157	16.9	-	2.20	42.5	5.56	359	694	146	4032	< 0.01	615.6

b1-341	2.91	-	162	24.7	-	1.95	36.0	5.03	362	696	147	3910	< 0.01	617.4
b1-342	2.80	-	143	19.4	-	2.06	34.9	5.30	364	659	139	3706	< 0.01	619.2
b1-343	2.48	-	149	18.2	-	2.18	41.3	5.32	375	684	146	3820	< 0.01	621.0
b1-344	2.86	-	143	17.4	-	1.47	39.8	4.99	357	706	145	3875	< 0.01	622.8
b1-345	2.99	-	145	18.9	-	2.08	44.1	5.43	363	654	142	3787	< 0.01	624.6
b1-346	3.01	-	147	19.1	203	1.58	35.3	5.64	379	686	147	3906	< 0.01	626.4
b1-347	2.36	-	143	18.9	-	1.48	48.7	4.96	387	644	140	3631	< 0.01	628.3
b1-348	2.79	-	148	12.3	-	2.07	44.2	4.95	387	656	141	3940	< 0.01	630.1
b1-349	3.12	-	139	16.7	353	2.31	39.2	5.05	396	673	143	3871	< 0.01	631.9
b1-350	2.60	45.0	164	18.5	345	1.70	40.8	4.86	392	645	139	3675	< 0.01	633.7
b1-351	2.87	49.9	158	19.8	166	1.86	38.8	5.09	392	635	137	3631	< 0.01	635.5
b1-352	2.94	45.9	180	16.5	222	1.52	46.7	5.55	373	612	131	3566	< 0.01	637.3
b1-353	2.20	51.5	172	19.2	316	2.13	37.9	5.87	398	635	136	3551	< 0.01	639.2
b1-354	2.58	48.3	175	19.8	221	2.18	50.8	5.97	424	674	141	3789	< 0.01	641.0
b1-355	2.69	48.5	159	17.1	-	2.02	31.3	6.26	361	645	134	3666	< 0.01	642.8
b1-356	2.43	43.0	160	24.9	-	1.77	38.0	5.31	369	642	139	3702	< 0.01	644.6
b1-357	3.00	37.9	161	24.0	234	1.99	38.9	5.50	372	657	146	3785	< 0.01	646.4
b1-358	2.59	36.9	-	18.2	264	2.06	40.1	5.54	347	649	144	3774	< 0.01	648.2
b1-359	2.42	34.1	147	18.4	-	2.01	32.5	5.30	344	650	140	3728	< 0.01	650.1
b1-360	2.86	43.0	143	22.3	307	1.93	42.6	5.54	337	652	147	3768	< 0.01	651.9
b1-361	3.08	44.1	145	22.2	324	2.45	38.8	5.76	338	646	-	3769	< 0.01	653.7
b1-362	2.68	45.3	151	18.3	-	1.95	41.2	6.23	332	652	144	3673	< 0.01	655.5
b1-363	2.64	46.4	147	25.7	320	1.89	36.6	5.10	324	653	141	3661	< 0.01	657.3
b1-364	2.84	41.5	152	20.1	257	1.50	31.5	5.53	332	644	137	3647	< 0.01	659.1
b1-365	3.12	45.1	144	16.2	367	1.81	39.9	5.60	311	662	142	3614	< 0.01	660.9
b1-366	2.32	42.8	143	20.5	272	1.66	37.2	6.45	290	644	148	3570	< 0.01	662.8
b1-367	2.87	40.3	145	23.6	356	1.57	30.1	5.69	297	620	144	3621	< 0.01	664.6
b1-368	2.49	35.8	139	19.1	335	1.65	38.9	5.56	319	634	137	3565	< 0.01	666.4
b1-369	2.70	39.9	142	24.2	263	1.97	32.2	5.84	317	642	137	3602	< 0.01	668.2
b1-370	2.58	45.2	146	23.9	204	1.83	42.7	5.90	327	682	145	3823	< 0.01	670.0
b1-371	2.53	43.3	159	22.3	318	1.83	35.6	5.92	344	639	140	3693	< 0.01	671.8
b1-372	2.50	46.2	147	26.5	405	2.28	48.2	5.58	315	666	137	3678	< 0.01	673.7
b1-373	2.61	48.2	141	21.5	444	1.66	34.6	5.84	333	640	140	3701	< 0.01	675.5
b1-374	3.33	47.9	155	20.4	516	1.69	39.5	6.36	326	631	145	3731	< 0.01	677.3
b1-375	2.66	40.0	145	25.3	352	1.90	38.6	6.08	304	664	142	3653	< 0.01	679.1
b1-376	2.84	53.5	145	17.9	246	2.06	35.5	5.83	306	664	141	3533	< 0.01	680.9
b1-377	2.96	48.5	151	15.6	208	2.54	43.5	5.94	313	688	-	3776	< 0.01	682.7
b1-378	3.17	-	133	26.3	341	1.63	47.2	5.85	313	612	143	3506	< 0.01	684.6

b1-379	2.56	41.5	156	29.1	293	1.56	43.8	5.44	348	657	146	3715	< 0.01	686.4
b1-380	3.15	49.6	152	19.9	308	1.83	40.5	6.13	356	664	141	3750	< 0.01	688.2
b1-381	2.88	48.2	171	19.9	332	1.98	45.5	5.78	344	644	137	3643	< 0.01	690.0
b1-382	3.14	46.6	160	25.1	356	2.11	44.8	5.73	364	652	140	3824	< 0.01	691.8
b1-383	2.91	49.1	157	17.2	201	1.80	43.8	5.88	372	652	137	3560	< 0.01	693.6
b1-384	2.49	-	162	13.7	430	2.09	48.5	5.99	374	653	139	3651	< 0.01	695.4
b1-385	3.00	43.5	161	24.7	318	1.66	39.2	5.92	376	668	145	3706	< 0.01	697.3
b1-386	2.81	44.4	150	18.5	364	1.96	48.1	6.11	345	674	140	3692	< 0.01	699.1
b1-387	2.74	43.4	148	-	248	2.03	41.7	5.60	345	641	138	3660	< 0.01	700.9
b1-388	2.96	35.8	146	19.8	233	1.68	36.4	5.87	307	654	138	3570	< 0.01	702.7
b1-389	2.89	43.3	140	12.7	429	1.36	42.6	5.78	319	653	139	3501	< 0.01	704.5
b1-390	2.95	37.6	141	16.3	188	1.91	35.3	6.36	332	649	140	3743	< 0.01	706.3
b1-391	2.81	41.0	146	18.7	199	1.73	36.7	5.96	313	636	140	3508	< 0.01	708.2
b1-392	2.73	43.3	146	21.0	217	1.78	43.0	5.75	328	674	141	3851	< 0.01	710.0
b1-393	3.41	42.1	143	14.7	455	1.75	47.8	6.35	340	689	146	3668	< 0.01	711.8
b1-394	2.87	45.1	137	30.0	294	1.92	40.4	4.76	321	637	141	3614	< 0.01	713.6
b1-395	3.06	40.9	136	25.5	372	2.11	40.8	6.03	315	659	139	3687	< 0.01	715.4
b1-396	2.56	42.0	143	19.7	386	2.05	38.7	6.36	317	678	143	3787	< 0.01	717.2
b1-397	2.72	40.9	134	20.5	314	1.75	42.4	5.90	297	627	134	3620	< 0.01	719.1
b1-398	3.05	47.1	140	18.8	261	2.18	35.6	6.27	346	643	141	3588	< 0.01	720.9
b1-399	2.89	49.8	139	20.2	254	1.80	41.6	5.82	315	645	140	3690	< 0.01	722.7
b1-400	3.03	37.6	132	21.6	478	2.27	43.7	6.21	293	638	138	3416	< 0.01	724.5
b1-401	2.62	40.4	124	16.1	211	1.49	40.1	5.50	308	630	140	3623	< 0.01	726.3
b1-402	2.43	40.9	138	15.5	123	1.81	48.7	5.69	306	668	140	3631	< 0.01	728.1
b1-403	3.16	50.9	136	17.0	202	2.19	48.5	6.62	318	659	139	3609	< 0.01	729.9
b1-404	2.82	45.9	131	22.5	316	2.13	40.1	5.55	318	645	134	3488	< 0.01	731.8
b1-405	2.19	39.7	137	15.5	238	1.76	43.0	5.66	316	623	144	3460	< 0.01	733.6
b1-406	2.86	46.8	124	20.2	135	1.99	46.4	5.71	313	624	138	3558	< 0.01	735.4
b1-407	3.15	43.5	129	17.1	277	1.85	42.3	5.55	317	679	140	3626	< 0.01	737.2
b1-408	3.04	43.5	124	18.2	274	2.13	41.4	5.92	307	646	145	3577	< 0.01	739.0
b1-409	2.53	40.6	135	-	296	2.26	46.0	6.06	361	670	140	3547	< 0.01	740.8
b1-410	2.52	39.1	131	13.1	317	2.14	42.4	5.85	319	656	142	3572	< 0.01	742.7
b1-411	2.87	40.5	136	16.6	186	1.78	51.1	6.29	305	655	142	3636	< 0.01	744.5
b1-412	2.32	40.7	138	17.5	295	2.11	47.6	6.63	322	660	141	3747	< 0.01	746.3
b1-413	2.50	47.7	140	18.6	480	1.49	37.8	5.98	333	635	140	3430	< 0.01	748.1
b1-414	2.68	43.9	151	18.0	292	1.99	43.6	6.00	328	664	142	3429	< 0.01	749.9
b1-415	2.73	42.2	151	19.5	229	2.00	44.2	6.36	341	687	141	3538	< 0.01	751.7
b1-416	2.54	47.0	156	23.8	385	1.45	55.4	5.76	336	638	136	3635	< 0.01	753.6

b1-417	2.47	45.9	153	13.5	256	1.84	56.3	6.03	343	632	147	3532	< 0.01	755.4
b1-418	2.57	45.6	147	22.7	-	1.95	48.3	5.60	364	645	144	3590	< 0.01	757.2
b1-419	2.59	48.0	134	11.0	227	1.69	48.1	5.53	370	695	136	3649	< 0.01	759.0
b1-420	2.33	41.6	146	13.0	256	1.71	46.2	5.41	350	634	142	3429	< 0.01	760.8
b1-421	2.39	41.8	144	17.8	229	1.41	47.2	6.14	388	656	139	3581	< 0.01	762.6
b1-422	2.96	42.4	145	23.5	214	2.00	45.5	5.67	369	672	145	3729	< 0.01	764.4
b1-423	2.13	49.3	149	19.1	284	1.83	37.6	6.39	358	646	143	3587	< 0.01	766.3
b1-424	2.68	41.0	149	14.9	298	2.00	45.3	4.97	360	701	140	3375	< 0.01	768.1
b1-425	2.58	41.8	137	18.9	284	2.14	47.3	6.08	345	675	135	3558	< 0.01	769.9
b1-426	2.82	46.9	123	11.9	195	1.75	53.3	5.75	325	625	137	3492	< 0.01	771.7
b1-427	2.82	45.4	143	21.5	155	1.62	51.6	6.31	335	664	139	3602	< 0.01	773.5
b1-428	3.20	46.6	128	21.3	185	2.42	42.3	5.81	349	628	143	3706	< 0.01	775.3
b1-429	2.68	-	181	17.8	249	1.82	45.1	5.77	362	651	146	3701	< 0.01	777.2
b1-430	2.97	40.7	132	20.0	303	1.88	52.6	5.96	352	642	135	3424	< 0.01	779.0
b1-431	3.06	40.3	128	17.6	118	1.85	49.6	6.46	351	639	133	3482	< 0.01	780.8
b1-432	2.98	51.1	153	18.4	293	1.59	41.5	6.69	379	653	147	3623	< 0.01	782.6
b1-433	2.75	48.7	143	15.9	315	1.70	54.0	5.98	370	637	136	3463	< 0.01	784.4
b1-434	3.20	49.8	137	12.3	220	1.42	42.7	6.95	359	655	143	3616	< 0.01	786.2
b1-435	2.83	54.4	129	14.6	323	1.77	53.4	5.51	334	614	135	3455	< 0.01	788.1
b1-436	2.60	44.4	128	13.1	307	1.80	44.5	5.69	331	654	136	3478	< 0.01	789.9
b1-437	2.54	53.7	121	21.2	244	2.05	38.0	5.81	342	642	138	3352	< 0.01	791.7
b1-438	2.73	44.6	140	14.9	376	2.26	51.5	6.85	310	642	136	3452	< 0.01	793.5
b1-439	2.64	51.9	134	20.4	337	1.84	48.8	5.49	325	643	143	3498	< 0.01	795.3
b1-440	2.72	48.3	128	14.3	377	1.90	42.8	5.66	277	646	132	3407	< 0.01	797.1
b1-441	3.10	49.2	130	18.7	239	2.01	50.6	6.11	297	623	136	3435	< 0.01	798.9
b1-442	3.09	-	134	17.0	286	1.92	43.6	6.27	286	606	135	3384	< 0.01	800.8
b1-443	2.87	42.8	136	15.4	272	1.85	51.2	6.02	292	649	-	3635	< 0.01	802.6
b1-444	2.76	46.8	162	18.8	298	1.81	56.8	6.11	287	663	147	3511	< 0.01	804.4
b1-445	2.50	45.1	134	20.7	328	1.77	39.7	6.05	293	643	139	3480	< 0.01	806.2
b1-446	2.59	46.0	169	16.4	321	2.27	42.1	5.39	312	651	133	3383	< 0.01	808.0
b1-447	3.12	44.5	142	21.5	301	1.84	48.8	6.13	296	649	138	3384	< 0.01	809.8
b1-448	3.32	45.1	161	24.3	419	2.25	50.0	6.19	301	655	142	3639	< 0.01	811.7
b1-449	2.92	46.5	159	23.1	378	1.69	46.1	5.89	272	659	136	3488	< 0.01	813.5
b1-450	2.54	40.5	154	15.1	220	1.97	56.9	6.26	293	667	144	3652	< 0.01	815.3
b1-451	2.91	48.2	130	23.9	488	2.02	59.2	6.07	285	655	144	3561	< 0.01	817.1
b1-452	2.74	45.8	128	14.0	334	1.83	40.1	5.59	315	654	139	3457	< 0.01	818.9
b1-453	3.04	48.5	157	17.9	171	1.65	46.7	6.31	292	658	144	3441	< 0.01	820.7
b1-454	3.23	46.3	155	14.4	440	1.80	46.6	6.44	319	639	140	3475	< 0.01	822.6

b1-455	2.75	-	141	21.0	265	1.93	46.5	6.40	272	647	144	3578	< 0.01	824.4
b1-456	2.75	52.0	189	21.1	325	1.84	41.3	6.60	299	647	138	3496	< 0.01	826.2
b1-457	3.21	-	-	18.3	422	1.74	50.7	6.27	306	648	141	3380	< 0.01	828.0
b1-458	2.79	-	-	24.8	273	1.72	56.6	6.50	336	654	135	3440	< 0.01	829.8
b1-459	3.10	-	-	28.1	-	1.72	-	6.94	358	642	135	3350	< 0.01	831.6
b1-460	2.53	-	-	-	408	2.14	50.2	6.90	331	622	133	3372	< 0.01	833.4
b1-461	2.80	-	-	25.5	407	1.74	52.4	6.77	326	656	143	3532	< 0.01	835.3
b1-462	2.74	-	-	23.9	-	1.85	48.2	5.90	324	647	139	3581	< 0.01	837.1
b1-463	2.89	-	-	22.0	-	1.79	58.7	6.28	293	650	142	3333	< 0.01	838.9
b1-464	2.77	-	-	15.2	332	1.55	47.7	6.94	296	629	134	3225	< 0.01	840.7
b1-465	2.53	-	-	18.4	335	1.59	-	6.77	291	644	133	3448	< 0.01	842.5
b1-466	3.11	54.5	-	12.5	288	1.59	54.5	6.74	293	625	140	3443	< 0.01	844.3
b1-467	2.66	48.6	165	15.6	359	1.90	41.6	6.04	298	625	137	3429	< 0.01	846.2
b1-468	2.88	51.6	-	15.6	507	1.53	49.9	5.60	309	654	-	3422	< 0.01	848.0
b1-469	3.07	49.5	143	24.7	271	2.13	55.0	6.63	304	650	140	3526	< 0.01	849.8
b1-470	2.49	47.2	159	17.0	416	1.99	52.7	6.97	295	662	140	3434	< 0.01	851.6
b1-471	3.07	47.3	143	18.2	187	1.76	49.1	6.45	303	659	148	3594	< 0.01	853.4
b1-472	2.70	48.5	132	11.2	332	1.87	48.5	6.29	284	633	133	3381	< 0.01	855.2
b1-473	2.81	43.7	134	21.3	276	1.98	47.1	5.59	288	651	135	3460	< 0.01	857.1
b1-474	3.03	-	138	24.1	325	1.43	56.6	6.10	264	671	139	3474	< 0.01	858.9
b1-475	2.71	48.6	130	14.2	293	1.72	52.7	6.89	294	626	146	3428	< 0.01	860.7
b1-476	3.06	48.0	123	13.3	313	2.00	46.3	6.67	283	662	143	3426	< 0.01	862.5
b1-477	2.37	45.5	127	16.2	352	2.03	51.0	6.31	287	633	129	3385	< 0.01	864.3
b1-478	2.85	41.9	170	18.3	222	2.07	53.2	6.50	265	640	139	3397	< 0.01	866.1
b1-479	2.98	47.3	129	15.8	250	1.97	50.1	6.93	290	669	134	3497	< 0.01	867.9
b1-480	3.01	41.9	128	16.7	224	1.87	41.6	7.05	303	658	140	3445	< 0.01	869.8
b1-481	2.90	44.5	123	11.3	290	1.41	45.6	6.46	282	634	137	3400	< 0.01	871.6
b1-482	3.13	44.5	149	23.8	316	1.79	59.3	6.04	331	645	133	3364	< 0.01	873.4
b1-483	2.66	41.3	131	12.2	325	2.20	36.8	6.43	325	631	135	3369	< 0.01	875.2
b1-484	2.77	48.0	143	17.3	308	1.64	48.0	7.10	306	631	137	3456	< 0.01	877.0
b1-485	2.96	46.8	171	25.7	369	1.72	42.3	5.87	294	645	130	3345	< 0.01	878.8
b1-486	2.65	45.8	154	21.7	293	1.45	45.0	6.73	283	620	134	3267	< 0.01	880.7
b1-487	2.79	48.4	163	21.2	329	1.80	50.2	6.09	279	640	135	3381	< 0.01	882.5
b1-488	3.07	49.9	159	17.1	385	1.83	42.8	6.79	283	636	141	3436	< 0.01	884.3
b1-489	2.32	44.9	153	13.8	231	1.86	53.1	6.30	275	628	136	3402	< 0.01	886.1
b1-490	2.71	44.4	134	21.9	303	2.12	57.6	6.55	273	642	137	3303	< 0.01	887.9
b1-491	2.79	40.9	138	12.6	381	2.24	49.4	6.91	280	655	137	3416	< 0.01	889.7
b1-492	3.11	42.7	138	17.8	198	2.10	52.6	6.38	283	651	139	3291	< 0.01	891.6

b1-493	2.33	45.7	128	25.8	273	2.57	49.1	6.20	271	621	-	3371	< 0.01	893.4
b1-494	2.72	41.8	127	16.8	392	1.63	46.3	5.85	251	637	142	3277	< 0.01	895.2
b1-495	2.38	44.7	122	17.2	286	1.42	52.4	6.44	264	636	136	3395	< 0.01	897.0
b1-496	2.68	42.9	128	15.7	217	1.78	49.3	5.95	278	653	136	3590	< 0.01	898.8
b1-497	2.66	42.4	128	20.6	201	1.91	54.5	6.78	274	660	134	3345	< 0.01	900.6
b1-498	2.80	43.0	114	17.1	147	1.90	44.6	6.09	236	635	133	3205	< 0.01	902.4
b1-499	3.06	40.7	126	15.7	183	1.60	48.6	6.78	276	648	133	3396	< 0.01	904.3
b1-500	2.55	54.9	134	23.7	275	1.78	45.5	6.41	280	649	138	3296	< 0.01	906.1
b1-501	2.65	42.5	136	16.6	449	1.78	48.9	7.03	270	665	137	3436	< 0.01	907.9
b1-502	2.68	46.7	121	20.8	419	1.78	51.6	6.03	289	630	134	3248	< 0.01	909.7
b1-503	3.65	48.7	131	16.4	341	1.89	51.6	6.81	310	642	136	3354	< 0.01	911.5
b1-504	2.50	51.8	127	19.8	433	1.54	52.0	6.76	321	662	-	3309	< 0.01	913.3
b1-505	2.14	38.2	124	13.4	293	1.58	51.3	6.09	265	571	-	-	< 0.01	915.2
b1-506	2.93	43.6	147	17.3	302	2.05	52.9	7.33	294	658	-	3521	< 0.01	917.0
b1-507	2.84	48.9	153	18.9	464	1.57	52.1	6.69	309	650	138	3402	< 0.01	918.8
b1-508	2.84	49.6	176	14.6	258	1.72	48.3	6.90	286	689	138	3408	< 0.01	920.6
b1-509	3.09	46.4	152	17.2	247	1.56	51.4	6.14	276	630	139	3288	< 0.01	922.4
b1-510	2.50	49.8	135	13.5	436	1.90	53.2	7.75	284	661	146	3426	< 0.01	924.2
b1-511	3.00	39.3	140	19.9	290	1.81	50.4	6.55	262	635	135	3294	< 0.01	926.1
b1-512	2.40	45.4	127	18.7	306	1.76	44.3	5.97	268	635	136	3222	< 0.01	927.9
b1-513	2.73	45.7	120	14.3	322	1.55	45.3	6.44	262	640	137	3332	< 0.01	929.7
b1-514	2.44	36.9	122	16.4	302	1.82	39.4	5.65	257	614	132	3305	< 0.01	931.5
b1-515	2.39	39.2	122	18.2	308	1.64	49.6	6.73	268	656	138	3300	< 0.01	933.3
b1-516	3.07	42.7	124	17.0	376	2.13	40.4	6.62	252	655	137	3440	< 0.01	935.1
b1-517	2.97	45.6	135	24.2	429	2.30	55.9	6.69	266	630	137	3259	< 0.01	937.0
b1-518	2.43	46.3	140	17.0	320	1.78	49.5	6.24	259	633	136	3320	< 0.01	938.8
b1-519	2.54	45.1	137	20.9	333	1.69	37.2	6.55	270	661	138	3598	< 0.01	940.6
b1-520	2.58	47.4	132	14.2	350	1.83	47.2	6.23	273	624	140	3371	< 0.01	942.4
b1-521	2.42	42.3	134	20.5	274	1.89	45.4	6.86	279	653	138	3304	< 0.01	944.2
b1-522	2.62	45.0	122	15.2	328	2.22	45.9	6.43	254	631	130	3145	< 0.01	946.0
b1-523	3.14	47.0	128	14.3	290	1.84	36.7	7.22	258	640	133	3338	< 0.01	947.8
b1-524	2.77	43.3	123	11.8	322	1.74	54.1	6.24	250	618	139	3343	< 0.01	949.7
b1-525	2.87	45.2	128	18.1	287	1.90	49.0	7.20	261	643	135	3328	< 0.01	951.5
b1-526	2.89	47.1	129	11.9	274	1.83	45.4	5.90	259	639	139	3218	< 0.01	953.3
b1-527	2.61	41.6	123	23.0	344	2.20	59.0	6.47	253	648	137	3255	< 0.01	955.1
b1-528	2.58	38.5	133	13.7	346	1.47	55.4	6.12	255	624	141	3313	< 0.01	956.9
b1-529	2.33	44.3	117	20.8	342	1.77	42.1	5.87	261	612	-	3218	< 0.01	958.7
b1-530	2.73	43.4	126	21.5	390	1.83	53.5	5.84	307	635	134	3294	< 0.01	960.6

b1-531	2.71	47.3	122	18.8	349	1.69	56.7	6.92	272	627	135	3237	< 0.01	962.4
b1-532	2.90	46.1	125	12.7	344	1.85	45.5	5.59	268	633	132	3101	< 0.01	964.2
b1-533	2.25	46.4	126	22.5	402	1.59	48.0	7.24	300	643	133	3340	< 0.01	966.0
b1-534	2.51	45.8	126	18.7	298	1.69	53.5	6.07	292	639	141	3360	< 0.01	967.8
b1-535	2.67	42.7	127	15.8	248	1.76	57.9	6.91	273	646	133	3326	< 0.01	969.6
b1-536	2.80	41.0	122	15.6	364	2.39	43.5	6.49	282	638	134	3302	< 0.01	971.5
b1-537	2.48	47.4	123	12.4	269	1.85	52.2	6.17	305	669	-	3412	< 0.01	973.3
b1-538	2.63	43.9	116	12.9	258	1.45	49.6	6.76	259	621	135	3186	< 0.01	975.1
b1-539	2.84	42.5	122	14.0	251	1.48	41.3	6.51	271	667	139	3578	< 0.01	976.9
b1-540	3.06	43.1	120	14.5	366	1.92	49.9	6.70	273	630	137	3285	< 0.01	978.7
b1-541	2.88	37.5	116	18.2	422	1.63	39.7	6.44	262	640	136	3215	< 0.01	980.5
b1-542	3.00	44.9	112	14.9	238	1.87	44.3	6.35	252	605	137	3164	< 0.01	982.3
b1-543	2.39	44.9	118	14.3	338	1.98	47.6	7.29	283	646	138	3245	< 0.01	984.2
b1-544	2.27	39.7	123	23.0	300	1.82	51.2	6.82	273	651	141	3493	< 0.01	986.0
b1-545	2.95	45.2	119	13.0	263	2.54	50.1	6.44	285	632	139	3500	< 0.01	987.8
b1-546	3.07	48.2	129	14.0	286	2.25	53.8	6.20	302	659	139	3533	< 0.01	989.6
b1-547	2.80	38.2	134	20.6	313	1.67	52.6	6.64	339	648	140	3620	< 0.01	991.4
b1-548	2.35	46.3	128	14.0	350	1.88	48.4	6.76	277	642	-	3365	< 0.01	993.2
b1-549	2.67	48.0	137	14.2	385	2.29	48.6	7.20	284	666	142	3312	< 0.01	995.1
b1-550	2.36	-	134	13.9	184	1.36	51.1	6.75	296	658	143	3303	< 0.01	996.9
b1-551	2.85	47.2	123	16.2	224	2.04	50.2	6.28	294	632	137	3267	< 0.01	998.7
b1-552	2.49	41.3	122	20.4	199	1.90	54.6	6.73	286	630	136	3366	< 0.01	1000.5
b1-553	2.45	40.8	117	22.0	296	1.89	48.9	6.35	279	611	132	3220	< 0.01	1002.3
b1-554	2.47	47.0	148	23.1	280	1.71	45.9	6.97	294	663	142	3593	< 0.01	1004.1
b1-555	2.39	43.9	120	19.0	410	1.54	54.6	6.12	315	620	140	3280	< 0.01	1006.0
b1-556	2.92	46.6	166	19.4	277	1.82	59.6	6.24	298	633	134	3467	< 0.01	1007.8
b1-557	2.50	50.6	147	21.7	233	2.06	47.2	6.65	333	633	141	3336	< 0.01	1009.6
b1-558	2.68	48.9	133	15.3	155	2.11	-	6.77	323	625	131	3314	< 0.01	1011.4
b1-559	2.16	46.0	144	21.4	220	1.67	53.7	6.24	357	641	142	3288	< 0.01	1013.2
b1-560	2.62	55.0	131	11.3	316	1.40	47.6	7.14	356	650	139	3300	< 0.01	1015.0
b1-561	2.65	45.7	124	19.1	320	1.90	53.3	6.45	299	648	139	3359	< 0.01	1016.8
b1-562	2.39	53.7	126	12.5	423	1.75	55.4	7.37	298	649	140	3483	< 0.01	1018.7
b1-563	2.49	48.1	135	15.1	320	1.54	48.0	6.48	284	685	140	3338	< 0.01	1020.5
b1-564	2.71	43.3	123	21.1	361	2.26	46.7	5.81	312	631	145	3210	< 0.01	1022.3
b1-565	3.57	46.7	-	13.6	318	1.35	50.1	7.09	299	621	134	3332	< 0.01	1024.1
b1-566	2.55	51.3	130	16.2	397	1.68	52.2	6.71	299	655	140	3382	< 0.01	1025.9
b1-567	2.53	49.0	137	13.3	156	1.71	56.8	6.98	-	635	145	3400	< 0.01	1027.7
b1-568	2.67	45.9	174	21.1	263	1.73	50.3	6.24	301	646	140	3342	< 0.01	1029.6

b1-569	2.67	50.9	153	18.1	245	2.33	44.4	6.15	282	644	135	3349	< 0.01	1031.4
b1-570	2.60	43.4	155	19.1	363	1.57	55.8	7.87	287	655	140	3489	< 0.01	1033.2
b1-571	2.44	43.2	152	17.2	185	2.10	47.3	6.52	265	645	140	3294	< 0.01	1035.0
b1-572	2.66	42.4	144	12.5	386	2.02	49.7	6.20	272	643	140	3360	< 0.01	1036.8
b1-573	3.03	40.4	134	14.8	261	2.25	40.0	7.03	277	630	141	3277	< 0.01	1038.6
b1-574	2.06	42.6	133	19.7	277	1.85	44.1	6.52	246	656	140	3361	< 0.01	1040.5
b1-575	2.68	42.7	133	22.2	404	1.98	59.0	6.88	267	656	139	3402	< 0.01	1042.3
b1-576	2.62	40.2	134	-	172	1.52	46.1	6.50	272	641	138	3392	< 0.01	1044.1
b1-577	2.40	43.3	140	18.8	267	2.03	42.3	7.29	255	653	141	3310	< 0.01	1045.9
b1-578	2.55	48.4	145	12.4	328	1.66	55.1	7.10	248	647	133	3274	< 0.01	1047.7
b1-579	2.16	48.8	141	20.1	312	1.88	50.1	6.49	248	630	142	3379	< 0.01	1049.5
b1-580	2.64	47.7	150	16.0	346	1.73	55.6	7.63	278	654	144	3438	< 0.01	1051.3
b1-581	2.23	45.9	141	10.8	343	1.80	46.4	6.48	230	601	130	-	< 0.01	1053.2
b1-582	2.63	46.5	138	20.5	227	1.71	49.4	6.36	235	635	134	3256	< 0.01	1055.0
b1-583	2.30	48.1	147	20.0	294	1.68	39.0	6.93	250	656	139	3274	< 0.01	1056.8
b1-584	2.17	46.6	134	15.8	138	1.41	41.2	7.01	267	623	135	3200	< 0.01	1058.6
b1-585	2.70	46.9	146	17.5	238	1.54	43.3	6.48	240	604	134	-	< 0.01	1060.4
b1-586	2.63	40.6	136	15.3	405	1.60	51.3	7.25	226	588	129	-	< 0.01	1062.2
b1-587	2.29	44.7	141	18.0	262	1.56	43.0	6.31	-	-	-	-	< 0.01	1064.1
b1-588	2.61	40.2	145	20.7	199	2.32	41.8	6.92	252	612	138	3154	< 0.01	1065.9
b1-589	2.44	39.2	136	20.3	296	2.01	55.2	7.01	279	625	142	3545	< 0.01	1067.7
b1-590	2.37	42.4	143	14.5	278	1.92	45.2	7.32	240	635	141	3235	< 0.01	1069.5
b1-591	2.46	40.2	126	19.4	241	1.60	46.4	7.66	242	605	135	3188	< 0.01	1071.3
b1-592	2.05	46.6	130	19.3	421	1.72	47.7	6.97	236	620	136	3199	< 0.01	1073.1
b1-593	2.43	43.6	135	18.2	178	2.49	42.9	7.34	263	640	135	3136	< 0.01	1075.0
b1-594	2.29	40.1	117	19.0	265	1.43	45.2	6.95	244	611	132	3207	< 0.01	1076.8
b1-595	2.11	40.0	121	-	234	1.82	53.7	6.43	238	615	137	3214	< 0.01	1078.6
b1-596	2.13	37.7	123	10.8	317	2.03	47.2	6.73	239	631	135	3241	< 0.01	1080.4
b1-597	2.23	45.8	124	15.5	345	2.02	50.9	6.70	241	624	138	3237	< 0.01	1082.2
b1-598	2.38	41.5	117	13.9	221	2.38	51.8	6.25	265	636	133	3126	< 0.01	1084.0
b1-599	2.25	39.6	115	19.9	234	2.03	57.6	7.15	241	614	136	3205	< 0.01	1085.8
b1-600	2.62	47.9	147	13.0	250	1.80	51.8	6.29	245	604	133	3277	< 0.01	1087.7
b1-601	2.39	45.3	122	13.1	237	2.00	54.3	5.87	245	614	130	3196	< 0.01	1089.5
b1-602	2.22	43.5	126	14.2	211	2.07	53.7	6.63	261	627	135	3213	< 0.01	1091.3
b1-603	1.96	43.2	114	11.5	253	1.72	52.9	5.72	255	635	137	3133	< 0.01	1093.1
b1-604	2.04	42.2	117	18.6	336	2.00	55.8	7.01	287	625	142	3167	< 0.01	1094.9
b1-605	2.38	43.6	108	14.9	375	1.88	52.1	6.36	294	620	131	3171	< 0.01	1096.7
b1-606	2.41	40.6	123	14.8	179	2.08	59.1	6.17	321	617	132	3229	< 0.01	1098.6

b1-607	2.99	49.1	120	10.3	120	2.43	50.3	5.97	350	638	139	3355	< 0.01	1100.4
b1-608	2.26	-	108	14.3	305	2.06	55.7	5.72	353	623	133	3167	< 0.01	1102.2
b1-609	2.51	46.8	107	13.3	188	1.91	49.1	6.00	356	618	131	3204	< 0.01	1104.0
b1-610	2.77	46.7	107	16.6	348	1.84	48.3	5.74	355	613	134	3154	< 0.01	1105.8
b1-611	2.76	43.4	105	15.1	364	1.54	45.5	5.82	356	624	132	3199	< 0.01	1107.6
b1-612	2.48	43.3	105	14.2	374	2.06	49.3	6.04	356	602	136	3393	< 0.01	1109.5
b1-613	3.23	43.2	99	16.9	195	1.74	45.1	5.86	372	623	138	3373	< 0.01	1111.3
b1-614	2.62	39.9	104	19.0	301	2.03	55.1	-	341	630	134	3171	< 0.01	1113.1
b1-615	2.81	46.7	103	19.0	317	1.92	43.3	5.81	331	643	134	3295	< 0.01	1114.9
b1-616	2.92	43.3	153	22.9	331	1.76	51.5	6.23	330	613	140	3367	< 0.01	1116.7
b1-617	2.65	44.1	116	20.4	310	1.75	46.6	6.15	339	626	130	3279	< 0.01	1118.5
b1-618	2.67	41.6	120	17.9	382	1.89	53.2	-	307	613	134	3227	< 0.01	1120.3
b1-619	2.14	45.4	120	22.3	189	1.96	44.4	-	333	634	133	3150	< 0.01	1122.2
b1-620	2.41	46.8	126	16.1	217	1.88	53.2	6.52	327	617	129	3145	< 0.01	1124.0
b1-621	2.91	46.5	159	13.8	309	2.10	50.3	6.56	386	626	134	3147	< 0.01	1125.8
b1-622	2.68	47.0	157	17.8	161	2.07	54.6	5.95	-	626	133	3222	< 0.01	1127.6
b1-623	2.24	54.8	162	19.2	147	1.34	50.6	6.26	-	637	135	3176	< 0.01	1129.4
b1-624	2.35	-	153	23.2	274	1.78	58.8	6.28	-	629	130	3284	< 0.01	1131.2
b1-625	2.51	-	157	20.4	254	1.59	47.4	6.86	-	628	135	3280	< 0.01	1133.1
b1-626	2.38	-	134	17.0	208	1.93	38.1	6.10	393	608	129	3209	< 0.01	1134.9
b1-627	2.33	53.7	131	17.6	306	1.95	52.0	5.82	380	625	138	3369	< 0.01	1136.7
b1-628	2.16	-	139	14.5	239	1.64	45.5	6.05	340	631	131	3227	< 0.01	1138.5
b1-629	2.55	51.8	161	20.9	259	1.81	52.6	6.55	314	645	138	3290	< 0.01	1140.3
b1-630	2.50	47.7	164	15.1	242	1.64	45.3	6.27	310	638	142	3338	< 0.01	1142.1
b1-631	2.69	54.7	143	26.3	317	1.55	41.9	7.37	291	630	142	3289	< 0.01	1144.0
b1-632	2.94	-	166	19.8	316	1.62	52.8	6.35	304	636	136	3230	< 0.01	1145.8
b1-633	2.52	52.8	145	21.5	274	1.51	52.2	6.38	284	636	135	3272	< 0.01	1147.6
b1-634	2.71	47.2	134	19.1	272	1.71	48.7	6.77	284	644	138	3291	< 0.01	1149.4
b1-635	2.18	42.0	130	17.9	304	1.64	47.5	6.55	281	656	134	3312	< 0.01	1151.2
b1-636	2.42	45.7	122	16.8	266	1.75	45.1	6.34	281	616	137	3293	< 0.01	1153.0
b1-637	2.55	51.0	125	14.8	211	1.87	47.8	6.12	280	647	133	3226	< 0.01	1154.8
b1-638	2.68	39.9	118	12.8	389	2.11	41.4	6.64	289	665	136	3353	< 0.01	1156.7
b1-639	1.99	41.4	119	15.5	203	1.83	47.6	6.77	251	606	129	3166	< 0.01	1158.5
b1-640	2.64	46.1	130	17.5	195	2.08	51.2	6.67	267	641	133	3285	< 0.01	1160.3
b1-641	2.56	44.7	133	13.6	385	2.62	45.0	7.09	268	644	138	3391	< 0.01	1162.1
b1-642	1.99	45.4	133	20.8	218	1.49	56.3	7.03	274	615	134	3278	< 0.01	1163.9
b1-643	2.50	45.3	153	25.0	287	1.93	56.2	6.76	284	647	137	3339	< 0.01	1165.7
b1-644	2.47	48.8	158	19.5	281	1.44	45.5	5.90	295	629	140	3325	< 0.01	1167.6

b1-645	2.45	53.3	162	18.4	413	1.65	49.3	6.07	266	593	133	3162	< 0.01	1169.4
b1-646	2.61	50.6	-	17.1	302	1.76	50.3	6.74	289	638	140	3304	< 0.01	1171.2
b1-647	2.83	-	-	13.3	432	1.84	54.3	6.13	314	628	134	3245	< 0.01	1173.0
b1-648	2.40	-	-	16.9	351	2.08	47.2	6.09	332	646	137	3297	< 0.01	1174.8
b1-649	2.61	-	-	20.7	254	1.75	46.9	7.60	317	625	141	3304	< 0.01	1176.6
b1-650	2.25	-	-	18.2	419	1.90	42.3	6.27	288	614	-	3280	< 0.01	1178.5
b1-651	3.00	52.9	-	20.3	271	2.11	47.3	6.56	309	645	132	3224	< 0.01	1180.3
b1-652	2.36	50.2	181	23.0	352	1.65	51.8	7.75	278	650	136	3243	< 0.01	1182.1
b1-653	2.32	49.9	163	18.4	238	2.19	44.5	6.89	278	610	-	3260	< 0.01	1183.9
b1-654	2.85	46.3	155	15.6	335	1.64	56.1	6.02	278	643	130	3325	< 0.01	1185.7
b1-655	2.24	46.3	182	17.3	449	1.95	44.1	7.22	280	634	137	3350	< 0.01	1187.5
b1-656	2.51	48.0	160	18.4	332	1.92	52.9	6.53	286	661	138	3339	< 0.01	1189.3
b1-657	2.69	50.7	151	23.3	418	1.76	54.0	6.74	278	636	136	3146	< 0.01	1191.2
b1-658	2.36	46.2	147	10.2	370	2.19	47.5	6.55	266	632	137	3271	< 0.01	1193.0
b1-659	2.37	49.4	155	13.3	407	1.94	52.4	6.77	297	624	138	3245	< 0.01	1194.8
b1-660	2.41	50.1	178	16.5	288	2.24	53.5	6.11	268	612	-	3201	< 0.01	1196.6
b1-661	2.46	-	160	16.7	241	1.90	45.5	6.37	302	631	128	3241	< 0.01	1198.4
b1-662	2.58	49.2	161	18.0	280	1.88	55.7	6.73	289	611	131	3313	< 0.01	1200.2
b1-663	2.19	41.7	177	13.1	221	1.76	48.6	6.07	289	611	129	3235	< 0.01	1202.1
b1-664	1.77	51.4	183	21.3	356	2.20	40.7	6.45	298	611	132	3177	< 0.01	1203.9
b1-665	2.44	52.0	-	24.0	354	1.87	54.8	6.69	311	641	140	3491	< 0.01	1205.7
b1-666	2.48	52.4	-	18.3	412	1.97	53.3	6.83	302	619	132	3327	< 0.01	1207.5
b1-667	2.31	51.0	184	14.1	396	1.68	49.6	6.69	285	608	129	3260	< 0.01	1209.3
b1-668	2.63	46.0	178	17.2	296	1.70	48.9	6.20	293	618	135	3271	< 0.01	1211.1
b1-669	2.43	50.3	188	15.3	299	1.99	42.9	6.94	303	618	138	3289	< 0.01	1213.0
b1-670	2.78	40.4	144	16.4	311	1.89	54.6	6.34	282	602	136	3182	< 0.01	1214.8
b1-671	2.32	43.7	139	10.8	341	2.12	55.0	6.15	308	597	132	3239	< 0.01	1216.6
b1-672	2.65	43.5	136	13.3	240	1.94	60.7	7.26	305	610	130	3298	< 0.01	1218.4
b1-673	2.47	42.9	144	12.9	164	1.86	51.9	6.37	324	625	136	3232	< 0.01	1220.2
b1-674	2.44	44.4	138	18.1	199	1.63	52.6	6.82	316	621	139	3501	< 0.01	1222.0
b1-675	2.33	49.3	130	20.5	347	1.78	-	7.21	297	656	141	3451	< 0.01	1223.8
b1-676	2.72	40.9	126	15.0	179	1.62	41.8	6.51	283	617	135	3195	< 0.01	1225.7
b1-677	2.42	38.2	126	16.9	282	1.97	55.1	6.84	279	642	137	3460	< 0.01	1227.5
b1-678	2.16	48.6	132	16.4	225	1.84	53.7	6.30	298	621	133	3217	< 0.01	1229.3
b1-679	2.34	38.4	128	12.2	250	1.85	48.3	6.22	288	620	130	3248	< 0.01	1231.1
b1-680	2.61	41.9	154	23.3	399	1.65	53.7	6.83	306	644	137	3375	< 0.01	1232.9
b1-681	2.18	45.6	146	21.4	376	2.10	48.1	7.21	308	640	141	3315	< 0.01	1234.7
b1-682	2.43	44.3	143	20.9	231	1.94	48.3	5.98	315	634	131	3418	< 0.01	1236.6

b1-683	2.03	50.3	143	18.4	347	1.76	42.8	6.69	339	609	132	3277	< 0.01	1238.4
b1-684	2.17	52.8	143	23.0	212	1.91	41.9	6.50	316	626	135	3257	< 0.01	1240.2
b1-685	2.52	48.3	138	18.6	215	1.75	52.4	6.49	394	639	138	3348	< 0.01	1242.0
b1-686	2.25	51.4	128	11.7	409	1.65	54.7	5.71	338	628	128	3370	< 0.01	1243.8
b1-687	2.54	53.7	124	18.0	238	1.40	41.1	5.65	343	630	131	3335	< 0.01	1245.6
b1-688	2.51	46.2	120	20.1	311	2.15	38.0	5.48	370	622	135	3331	< 0.01	1247.5
b1-689	2.30	49.5	116	19.6	396	1.63	41.0	5.44	365	618	134	3252	< 0.01	1249.3
b1-690	2.25	47.2	114	19.9	221	2.20	47.6	5.80	384	620	134	3206	< 0.01	1251.1
b1-691	2.22	-	110	13.5	356	1.96	48.9	5.27	359	633	132	3261	< 0.01	1252.9
b1-692	2.25	49.3	104	19.1	350	1.83	48.9	6.17	375	637	135	3331	< 0.01	1254.7
b1-693	2.27	40.6	119	20.8	331	1.62	50.6	5.68	353	624	134	3359	< 0.01	1256.5
b1-694	2.24	45.1	111	20.2	273	1.77	44.8	6.63	370	623	140	3392	< 0.01	1258.3
b1-695	2.01	45.1	104	18.4	286	2.16	52.1	6.15	374	625	138	3407	< 0.01	1260.2
b1-696	2.08	38.7	112	21.8	233	2.37	45.5	5.28	395	663	142	3453	< 0.01	1262.0
b1-697	2.18	-	116	21.9	260	2.23	49.3	5.39	360	646	141	3392	< 0.01	1263.8
b1-698	2.15	43.8	115	24.5	285	1.48	41.7	5.86	358	632	134	3357	< 0.01	1265.6
b1-699	2.00	41.5	117	24.0	302	1.79	44.6	5.73	363	625	135	3442	< 0.01	1267.4
b1-700	1.93	43.6	120	17.7	286	1.84	45.8	5.53	366	625	139	3254	< 0.01	1269.2
b1-701	2.06	39.7	121	18.1	324	1.95	43.9	5.48	320	613	135	3367	< 0.01	1271.1
b1-702	1.89	40.9	120	15.3	270	2.42	37.3	5.60	312	624	133	3345	< 0.01	1272.9
b1-703	2.88	40.9	126	23.8	245	1.87	48.5	6.12	326	649	140	3386	< 0.01	1274.7
b1-704	2.31	42.1	124	25.5	267	2.08	50.0	5.78	313	611	133	3359	< 0.01	1276.5
b1-705	2.46	-	143	29.3	484	2.11	39.2	6.62	326	641	135	3431	< 0.01	1278.3
b1-706	2.29	-	139	22.7	356	1.72	47.1	6.53	349	643	139	3427	< 0.01	1280.1
b1-707	2.19	44.7	155	19.9	383	1.78	49.1	6.65	308	645	138	3483	< 0.01	1282.0
b1-708	2.68	49.1	154	18.9	300	1.91	44.7	6.75	284	646	143	3523	< 0.01	1283.8
b1-709	2.57	44.5	195	18.1	346	2.53	48.8	5.99	297	648	135	3521	< 0.01	1285.6
b1-710	2.13	-	192	16.8	295	1.78	40.2	6.25	304	635	137	3302	< 0.01	1287.4
b1-711	2.01	-	-	17.7	418	2.01	54.6	6.39	320	610	133	3286	< 0.01	1289.2
b1-712	2.14	46.0	-	15.4	342	2.20	49.9	6.35	297	621	135	3255	< 0.01	1291.0
b1-713	2.09	48.1	-	-	290	1.69	51.3	6.07	281	606	131	3289	< 0.01	1292.8
b1-714	2.52	44.6	196	20.2	362	2.16	40.9	6.55	324	629	131	3380	< 0.01	1294.7
b1-715	2.34	45.6	184	16.7	348	2.28	51.3	6.07	297	641	137	3317	< 0.01	1296.5
b1-716	2.10	45.6	185	18.6	332	1.52	38.4	6.13	265	652	135	3437	< 0.01	1298.3
b1-717	2.36	47.0	-	23.1	269	1.72	45.2	6.91	288	624	133	3420	< 0.01	1300.1
b1-718	2.23	41.9	186	18.8	301	1.54	41.4	6.61	295	622	129	3311	< 0.01	1301.9
b1-719	2.39	52.5	173	22.6	306	1.59	42.4	5.54	292	628	134	3352	< 0.01	1303.7
b1-720	2.03	54.3	168	18.5	343	2.18	46.0	6.64	294	644	143	3438	< 0.01	1305.6

b1-721	2.13	42.1	157	22.3	235	1.61	44.4	6.10	294	616	137	3352	< 0.01	1307.4
b1-722	1.99	36.3	163	26.3	273	1.56	52.4	5.89	282	646	137	3464	< 0.01	1309.2
b1-723	2.58	43.8	146	15.8	391	1.94	41.7	6.17	279	624	135	3471	< 0.01	1311.0
b1-724	2.34	53.2	145	22.1	230	1.96	49.5	5.82	300	622	143	3499	< 0.01	1312.8
b1-725	2.50	47.1	152	20.1	293	1.80	41.5	6.17	313	638	138	3471	< 0.01	1314.6
b1-726	2.01	41.3	138	23.4	253	1.69	51.1	5.65	295	621	133	3449	< 0.01	1316.5
b1-727	2.63	47.4	132	19.8	474	1.67	35.3	6.17	318	614	133	3389	< 0.01	1318.3
b1-728	2.12	41.3	132	19.2	325	1.85	37.5	5.83	311	614	133	3361	< 0.01	1320.1
b1-729	2.60	37.8	130	18.9	255	1.75	37.3	5.40	315	628	136	3388	< 0.01	1321.9
b1-730	2.38	39.2	128	19.1	352	2.17	42.0	6.09	307	640	134	3526	< 0.01	1323.7
b1-731	2.50	41.8	139	23.8	266	2.02	42.4	5.65	315	657	133	3294	< 0.01	1325.5
b1-732	2.21	46.0	150	20.4	288	1.50	51.1	6.15	320	632	133	3510	< 0.01	1327.3
b1-733	2.61	48.9	158	24.5	263	1.73	49.0	6.01	333	650	138	3446	< 0.01	1329.2
b1-734	2.55	40.6	161	23.6	226	1.82	53.0	5.64	356	623	141	3394	< 0.01	1331.0
b1-735	2.54	-	153	18.2	350	1.77	56.7	5.73	387	673	144	3644	< 0.01	1332.8
b1-736	2.13	40.6	140	17.5	262	1.72	45.7	6.02	364	645	137	3438	< 0.01	1334.6
b1-737	2.29	41.7	134	20.5	383	1.89	51.8	5.91	339	663	141	3496	< 0.01	1336.4
b1-738	2.43	37.7	130	16.5	153	2.22	44.4	5.38	349	634	131	3409	< 0.01	1338.2
b1-739	2.34	43.5	121	10.5	228	1.67	38.4	5.54	335	604	131	3359	< 0.01	1340.1
b1-740	2.38	41.3	123	17.7	309	1.83	37.9	5.24	325	633	138	3419	< 0.01	1341.9
b1-741	2.18	44.9	130	17.2	337	1.46	46.6	5.91	346	641	134	3420	< 0.01	1343.7
b1-742	2.48	37.5	123	20.8	291	1.98	45.2	5.89	326	635	137	3525	< 0.01	1345.5
b1-743	2.50	43.4	133	18.3	353	1.82	54.8	5.88	374	647	139	3429	< 0.01	1347.3
b1-744	2.74	45.6	126	19.5	244	1.97	46.5	6.28	351	623	140	3493	< 0.01	1349.1
b1-745	2.56	47.8	131	20.3	290	2.52	59.1	6.24	349	632	136	3331	< 0.01	1351.0
b1-746	2.46	51.4	136	22.7	233	2.05	43.4	5.96	348	635	133	3459	< 0.01	1352.8
b1-747	2.37	44.3	139	15.5	217	1.65	38.3	5.49	325	653	132	3418	< 0.01	1354.6
b1-748	2.43	44.9	151	18.9	404	1.95	40.3	5.28	313	634	139	3503	< 0.01	1356.4
b1-749	2.31	41.1	133	22.9	275	1.95	43.4	5.51	304	645	139	3425	< 0.01	1358.2
b1-750	2.07	41.3	126	15.9	169	1.70	39.9	5.77	330	650	138	3601	< 0.01	1360.0
b1-751	2.10	40.8	133	22.4	183	2.15	43.6	5.58	349	630	138	3509	< 0.01	1361.8
b1-752	2.53	43.2	133	16.7	182	1.70	40.3	5.74	333	630	135	3638	< 0.01	1363.7
b1-753	1.99	44.4	135	16.4	418	2.10	43.8	5.36	337	654	141	3538	< 0.01	1365.5
b1-754	2.10	43.8	131	21.0	223	1.90	42.7	6.52	344	606	129	3408	< 0.01	1367.3
b1-755	2.41	47.9	158	21.8	137	1.42	40.6	6.58	374	657	139	3491	< 0.01	1369.1
b1-756	2.09	41.6	132	11.0	255	2.15	42.6	5.91	337	622	133	3419	< 0.01	1370.9
b1-757	2.05	36.8	143	19.9	338	1.82	48.9	6.20	347	633	131	3492	< 0.01	1372.7
b1-758	2.49	44.6	144	12.5	249	1.87	41.9	5.70	336	640	137	3579	< 0.01	1374.6

b1-759	2.20	39.1	145	20.0	170	2.45	45.0	6.25	349	618	134	3414	< 0.01	1376.4
b1-760	2.09	47.1	131	17.8	226	2.04	45.6	5.23	333	636	133	3446	< 0.01	1378.2
b1-761	2.15	48.1	136	19.4	264	1.93	42.3	6.32	322	641	139	3542	< 0.01	1380.0
b1-762	2.45	45.9	128	14.0	343	1.46	47.8	5.45	339	634	137	3499	< 0.01	1381.8
b1-763	1.95	40.8	131	12.0	315	2.23	42.5	5.97	327	606	133	3395	< 0.01	1383.6
b1-764	1.97	42.0	138	10.8	180	1.87	46.9	6.24	335	633	135	3542	< 0.01	1385.5
b1-765	2.36	40.0	156	18.8	259	1.54	36.1	5.77	316	635	134	3576	< 0.01	1387.3
b1-766	2.61	44.2	140	13.0	370	1.99	49.1	6.56	318	638	137	3447	< 0.01	1389.1
b1-767	2.21	45.7	168	13.4	257	1.69	43.0	5.64	348	633	132	3477	< 0.01	1390.9
b1-768	2.64	36.7	149	11.4	280	2.15	51.0	5.45	364	654	139	3662	< 0.01	1392.7
b1-769	2.54	44.0	144	11.6	344	1.82	49.9	5.80	349	639	134	3456	< 0.01	1394.5
b1-770	2.28	45.8	158	14.3	340	1.86	41.1	5.99	356	628	142	3556	< 0.01	1396.3
b1-771	1.95	44.8	148	17.7	228	1.92	41.5	5.44	347	619	135	3501	< 0.01	1398.2
b1-772	2.38	42.0	151	17.3	123	1.88	42.6	6.41	343	651	141	3578	< 0.01	1400.0
b1-773	2.11	54.3	146	17.1	282	1.44	37.1	5.76	329	679	136	3615	< 0.01	1401.8
b1-774	2.03	41.4	141	12.9	233	1.68	42.9	5.15	347	647	139	3562	< 0.01	1403.6
b1-775	2.54	43.1	131	18.7	181	2.12	41.7	6.05	325	636	137	3538	< 0.01	1405.4
b1-776	2.18	41.0	132	13.4	163	1.69	37.6	5.61	313	633	134	3433	< 0.01	1407.2
b1-777	1.83	46.7	130	20.0	305	1.56	44.1	7.02	291	636	137	3462	< 0.01	1409.1
b1-778	2.22	45.7	137	18.7	467	1.87	42.2	5.51	297	674	142	3601	< 0.01	1410.9
b1-779	2.33	37.4	138	18.0	275	1.70	38.4	5.93	310	637	135	3627	< 0.01	1412.7
b1-780	2.20	42.6	143	12.5	241	1.84	45.9	6.90	294	645	138	3562	< 0.01	1414.5
b1-781	2.11	37.8	144	15.2	337	2.24	41.5	6.18	309	664	146	3571	< 0.01	1416.3
b1-782	2.00	42.9	150	24.3	282	2.10	47.4	5.78	288	630	133	3499	< 0.01	1418.1
b1-783	2.17	44.7	144	20.9	336	1.99	38.3	6.40	303	647	141	3671	< 0.01	1420.0
b1-784	2.22	49.1	139	19.8	260	1.84	44.4	5.83	270	601	130	3395	< 0.01	1421.8
b1-785	2.39	39.5	141	22.3	137	1.97	36.1	4.93	300	652	138	3649	< 0.01	1423.6
b1-786	2.02	39.4	142	14.3	357	1.64	46.7	5.64	303	649	136	3410	< 0.01	1425.4
b1-787	2.41	41.5	137	19.4	304	1.80	39.1	6.41	304	627	131	3614	< 0.01	1427.2
b1-788	2.25	39.3	146	17.9	252	1.79	38.3	6.09	332	623	136	3704	< 0.01	1429.0
b1-789	2.18	48.4	145	17.8	250	2.19	40.6	5.33	320	644	136	3513	< 0.01	1430.8
b1-790	1.97	-	148	19.6	351	1.73	36.3	5.66	337	642	134	3450	< 0.01	1432.7
b1-791	2.47	43.2	167	19.2	389	1.58	36.7	5.97	352	649	140	-	< 0.01	1434.5
b1-792	2.57	-	187	22.2	274	2.08	42.3	6.14	357	659	142	3666	< 0.01	1436.3
b1-793	2.74	-	187	17.1	301	1.89	47.1	5.60	335	666	137	3696	< 0.01	1438.1
b1-794	1.64	44.2	173	18.5	276	1.75	41.7	5.28	340	632	134	3502	< 0.01	1439.9
b1-795	2.03	42.8	170	18.6	317	1.95	41.4	5.87	332	660	140	3673	< 0.01	1441.7
b1-796	2.10	37.0	160	17.2	370	1.96	38.5	6.83	342	644	139	3538	< 0.01	1443.6

b1-797	1.86	41.4	153	14.3	220	1.96	38.8	5.05	317	644	136	3549	< 0.01	1445.4
b1-798	1.93	40.7	155	18.2	394	1.98	44.2	5.74	336	651	139	3599	< 0.01	1447.2
b1-799	2.29	-	154	18.8	290	1.73	38.0	5.85	339	651	140	3655	< 0.01	1449.0
b1-800	2.24	46.4	157	13.3	271	1.54	51.6	6.31	344	645	143	3530	< 0.01	1450.8
b1-801	2.17	46.0	158	17.9	283	1.84	45.7	5.19	365	680	135	3472	< 0.01	1452.6
b1-802	2.16	44.7	164	15.0	164	1.57	36.5	6.25	367	639	130	3613	< 0.01	1454.5
b1-803	2.20	45.1	163	11.9	257	1.85	38.5	6.07	370	658	141	3709	< 0.01	1456.3
b1-804	2.33	41.6	157	14.7	345	2.04	39.9	5.62	369	645	138	3521	< 0.01	1458.1
b1-805	2.58	39.1	153	10.5	205	1.71	36.1	5.38	356	654	130	3550	< 0.01	1459.9
b1-806	2.35	43.2	171	11.3	379	2.22	36.2	5.65	354	673	139	3642	< 0.01	1461.7
b1-807	2.19	43.3	177	13.7	285	2.31	41.7	6.20	326	654	136	3551	< 0.01	1463.5
b1-808	2.17	45.7	177	-	226	1.85	38.5	4.99	342	650	134	3658	< 0.01	1465.3
b1-809	2.07	42.4	163	19.4	158	1.76	29.6	5.18	310	658	131	3438	0.010	1467.2
b1-810	1.97	40.7	167	10.5	252	1.76	38.7	5.61	346	677	140	3558	-	1469.0
b1-811	2.45	45.6	164	22.8	317	1.84	47.3	5.71	325	678	133	3657	0.017	1470.8
b1-812	2.31	39.2	163	14.9	232	1.51	38.2	5.90	301	646	133	3576	-	1472.6
b1-813	2.15	42.4	160	14.7	315	2.01	35.4	6.01	318	672	130	3581	-	1474.4
b1-814	2.31	38.7	160	-	206	1.72	39.3	5.88	301	654	128	3625	0.010	1476.2
b1-815	2.17	41.3	162	17.1	240	1.86	36.1	5.60	315	662	135	3567	-	1478.1
b1-816	2.00	42.4	162	11.0	300	1.96	34.2	5.25	306	652	137	3518	0.010	1479.9
b1-817	2.34	35.2	156	21.5	278	1.97	36.8	5.98	332	654	-	3643	0.010	1481.7
b1-818	2.25	42.0	176	16.8	224	1.59	40.3	5.48	317	695	130	3471	-	1483.5
b1-819	2.26	40.7	177	11.9	267	1.70	37.3	6.05	318	679	130	3476	-	1485.3
b1-820	2.33	40.4	177	17.1	228	1.86	33.9	5.95	326	679	128	3538	-	1487.1
b1-821	2.14	42.5	180	15.8	266	2.49	37.2	5.51	334	692	129	3601	-	1489.0
b1-822	2.37	41.4	189	13.3	367	1.78	40.6	5.77	348	712	139	3725	0.018	1490.8
b1-823	2.58	37.1	176	16.0	286	1.90	37.2	5.36	321	666	135	3591	-	1492.6
b1-824	2.16	40.2	186	12.7	263	1.73	37.1	5.39	327	697	139	3710	0.010	1494.4
b1-825	2.69	49.4	181	13.4	211	1.61	31.4	5.71	329	750	136	3831	0.010	1496.2
b1-826	2.52	40.7	188	13.2	293	1.53	35.1	6.14	342	708	132	3661	0.010	1498.0
b1-827	2.39	42.6	179	17.8	238	1.61	27.9	5.39	338	728	132	3563	0.017	1499.8
b1-828	2.42	40.2	178	23.1	287	2.33	31.4	5.68	367	708	-	3737	0.010	1501.7
b1-829	2.41	44.1	175	19.7	297	1.60	37.3	5.78	356	708	135	3519	0.031	1503.5
b1-830	2.07	39.9	177	12.8	338	2.10	42.9	5.58	338	729	129	3624	0.024	1505.3
b1-831	2.32	41.6	182	16.4	331	1.67	40.4	5.69	346	732	140	3706	-	1507.1
b1-832	2.71	39.0	176	15.1	206	-	33.7	5.87	339	724	132	3598	0.017	1508.9
b1-833	2.35	33.9	183	14.7	310	1.67	35.8	5.45	364	728	132	3694	-	1510.7
b1-834	2.67	45.0	172	14.2	313	1.60	35.2	5.96	338	738	139	3687	0.010	1512.6

b1-835	2.53	38.8	173	-	268	1.79	37.1	5.18	341	738	132	3516	0.017	1514.4
b1-836	2.07	36.8	175	21.6	269	2.10	43.0	5.53	323	770	130	3674	-	1516.2
b1-837	2.41	33.5	193	-	226	1.82	37.1	5.62	341	752	134	3717	-	1518.0
b1-838	2.54	33.1	180	19.9	223	2.25	38.9	6.45	329	773	136	3690	0.010	1519.8
b1-839	2.79	38.4	195	22.3	293	1.89	36.6	6.25	361	798	140	3804	-	1521.6
b1-840	2.72	37.8	183	15.3	272	1.82	36.8	5.59	346	804	138	3823	0.025	1523.5
b1-841	2.69	38.3	184	16.5	328	1.53	-	5.20	350	781	136	3684	0.017	1525.3
b1-842	2.06	41.8	179	19.4	241	1.89	33.0	6.13	348	810	138	3787	0.010	1527.1
b1-843	2.70	37.7	183	11.5	102	1.61	28.8	5.76	353	767	132	3724	0.010	1528.9
b1-844	2.66	35.4	176	16.8	145	1.45	31.6	5.42	350	776	133	3675	0.017	1530.7
b1-845	2.97	35.0	180	16.4	212	1.75	38.2	5.78	372	820	138	3930	0.010	1532.5
b1-846	2.33	33.6	171	10.4	334	1.82	29.2	5.10	363	783	136	3526	0.010	1534.3
b1-847	3.10	35.1	174	14.9	300	2.28	37.2	5.78	347	816	134	3704	-	1536.2
b1-848	2.62	37.7	176	14.8	237	1.71	34.8	5.86	353	785	133	3651	0.010	1538.0
b1-849	2.64	38.1	179	14.7	245	2.04	28.6	4.62	348	804	-	3663	-	1539.8
b1-850	2.84	38.5	181	10.4	339	2.14	21.5	5.35	334	817	-	3690	-	1541.6
b1-851	2.76	43.5	191	16.4	269	1.64	38.5	5.13	347	837	132	3781	0.017	1543.4
b1-852	2.98	41.4	200	16.5	195	1.79	33.1	5.39	344	877	139	3802	-	1545.2
b1-853	2.58	48.1	204	11.7	350	2.02	32.0	6.08	385	889	138	3699	0.032	1547.1
b1-854	2.70	42.7	207	14.1	227	1.83	37.3	6.25	407	892	136	3796	0.010	1548.9
b1-855	2.86	-	207	13.8	283	1.98	35.7	4.99	385	855	138	3771	-	1550.7
b1-856	3.03	-	212	15.5	269	1.77	28.8	5.54	386	866	134	3769	-	1552.5
b1-857	2.78	-	225	27.2	363	1.79	28.7	6.00	398	897	131	3720	-	1554.3
b1-858	2.95	-	242	19.1	315	1.67	28.9	5.24	361	912	137	-	0.010	1556.1
b1-859	2.81	-	-	21.0	361	1.62	30.7	5.28	364	925	136	3894	0.032	1558.0
b1-860	2.91	-	-	-	352	1.76	32.1	5.89	374	943	140	3706	0.031	1559.8
b1-861	2.90	-	-	27.2	329	2.23	35.9	4.76	371	932	132	3715	0.010	1561.6
b1-862	3.30	-	-	23.6	359	2.16	34.7	5.75	354	898	-	3655	0.010	1563.4
b1-863	2.95	-	-	22.3	348	1.79	38.5	5.86	390	960	137	3781	0.017	1565.2
b1-864	2.97	-	-	23.9	-	1.74	38.7	6.48	381	988	135	3847	0.017	1567.0
b1-865	3.60	-	-	-	-	2.19	31.3	5.63	371	995	138	3865	0.017	1568.8
b1-866	3.40	-	-	23.8	279	2.11	33.5	5.33	381	964	131	3785	0.024	1570.7
b1-867	3.39	-	-	27.4	501	2.19	42.4	4.82	-	1018	142	3889	0.025	1572.5
b1-868	3.51	-	-	29.2	389	2.16	33.6	5.32	-	949	135	3841	-	1574.3
b1-869	3.30	-	-	24.0	381	2.10	28.0	5.95	425	1023	144	3798	-	1576.1
b1-870	3.02	-	228	20.4	385	2.04	24.5	5.33	399	1023	139	3752	0.024	1577.9
b1-871	3.02	-	226	17.5	388	2.06	30.9	5.73	395	1007	137	3821	0.024	1579.7
b1-872	3.40	-	222	25.0	-	2.06	28.9	5.43	367	1034	138	3747	-	1581.6

b1-873	3.00	-	247	22.8	427	1.86	36.9	5.64	403	1080	137	3970	0.010	1583.4
b1-874	3.21	-	227	25.9	277	1.78	33.6	5.31	347	1084	135	3791	-	1585.2
b1-875	3.40	-	199	15.5	345	1.93	32.3	5.05	377	1034	133	3859	-	1587.0
b1-876	2.94	-	206	16.7	229	1.75	35.6	4.96	364	1043	131	3776	-	1588.8
b1-877	3.57	-	197	14.7	217	2.76	28.9	5.18	340	1073	131	3708	-	1590.6
b1-878	3.81	-	186	16.5	306	2.29	25.5	4.62	367	1052	135	3602	-	1592.5
b1-879	2.94	-	198	14.6	268	1.98	28.7	5.10	337	1091	136	3761	0.017	1594.3
b1-880	3.48	40.2	185	18.3	203	2.19	25.1	5.39	344	1102	135	3713	0.010	1596.1
b1-881	3.97	34.4	-	17.4	341	2.28	31.5	5.16	349	1103	134	3782	-	1597.9
b1-882	3.49	47.5	202	10.9	274	2.08	24.5	6.43	351	1127	135	3904	-	1599.7
b1-883	2.96	40.2	223	22.7	198	1.95	26.4	5.23	353	1159	136	3799	0.018	1601.5
b1-884	3.33	37.5	195	16.8	299	2.17	24.4	4.96	351	1159	135	3599	-	1603.3
b1-885	4.00	38.7	192	20.0	331	1.99	27.2	5.71	341	1171	132	3725	0.010	1605.2
b1-886	3.73	38.3	200	17.7	342	2.00	25.6	5.52	342	1169	134	3754	-	1607.0
b1-887	3.26	34.4	187	18.5	222	1.84	20.8	4.74	359	1179	135	3733	-	1608.8
b1-888	3.76	38.7	190	21.5	210	2.08	25.0	5.41	371	1195	134	3862	0.039	1610.6
b1-889	3.36	33.9	195	25.7	371	1.96	23.8	5.09	350	1197	131	3747	-	1612.4
b1-890	3.60	41.5	198	19.2	253	2.80	29.2	5.21	374	1220	138	3846	0.038	1614.2
b1-891	3.65	33.0	190	16.7	461	1.93	24.7	5.43	319	1200	133	3683	-	1616.1
b1-892	4.40	32.8	194	20.9	251	2.07	26.8	5.76	352	1261	132	3736	-	1617.9
b1-893	3.83	36.3	190	23.9	216	2.28	21.7	4.95	356	1330	141	3790	0.018	1619.7
b1-894	3.85	36.4	190	21.0	89	2.04	25.7	5.37	363	1255	131	3713	-	1621.5
b1-895	3.37	34.4	185	12.4	289	1.94	20.0	5.02	372	1269	137	3859	0.010	1623.3
b1-896	4.08	32.6	182	20.5	130	2.05	25.7	5.00	361	1228	-	3640	-	1625.1
b1-897	3.89	29.3	187	17.4	319	2.64	27.9	5.27	365	1296	138	3788	0.010	1627.0
b1-898	4.26	30.9	187	24.5	134	2.30	20.7	5.55	362	1279	139	3791	0.010	1628.8
b1-899	4.24	27.8	189	19.4	132	2.22	24.4	6.43	373	1328	134	3600	0.017	1630.6
b1-900	4.13	34.7	195	16.4	310	1.99	24.2	5.29	354	1327	137	-	-	1632.4
b1-901	4.17	33.9	233	16.5	306	1.80	30.2	5.56	354	1307	131	3511	0.010	1634.2
b1-902	4.15	35.5	204	13.2	253	2.16	31.8	5.52	377	1343	137	3786	-	1636.0
b1-903	4.53	-	200	19.0	233	2.20	32.8	5.52	375	1348	128	3771	-	1637.8
b1-904	4.62	-	224	17.8	293	2.23	30.4	5.45	359	1379	134	3754	0.017	1639.7
b1-905	5.02	-	217	19.3	236	2.33	30.7	5.97	394	1437	136	3781	0.010	1641.5
b1-906	4.02	-	235	28.8	316	1.78	21.9	5.85	414	1443	137	3848	0.017	1643.3
b1-907	4.59	-	-	25.9	144	2.53	28.1	5.38	404	1363	140	3780	0.010	1645.1
b1-908	4.52	-	-	28.8	404	2.35	30.1	5.74	464	1395	138	3892	0.038	1646.9
b1-909	3.76	-	-	-	318	2.28	31.7	5.60	435	1277	133	3536	0.023	1648.7
b1-910	4.29	-	-	29.9	546	2.25	33.4	5.45	428	1280	134	3666	0.050	1650.6

b1-911	4.38	-	-	-	258	1.98	27.7	5.52	424	1279	132	3635	0.010	1652.4
b1-912	4.46	-	-	25.8	445	2.10	36.0	6.15	402	1270	129	3514	0.030	1654.2
b1-913	3.73	-	-	27.7	316	2.47	31.5	4.69	377	1245	132	3622	-	1656.0
b1-914	4.50	-	-	25.3	427	2.21	31.1	5.63	430	1268	131	3828	0.046	1657.8
b1-915	4.54	-	-	20.6	223	2.00	25.7	5.68	393	1268	130	3699	0.010	1659.6
b1-916	4.68	-	234	22.4	368	1.89	31.7	4.77	377	1273	-	3532	-	1661.5
b1-917	4.40	-	238	25.2	461	2.38	27.7	5.16	390	1338	136	3706	0.017	1663.3
b1-918	4.10	32.0	207	21.2	395	2.48	26.0	4.82	381	-	131	3485	0.017	1665.1
b1-919	4.42	41.7	194	14.7	295	2.06	24.6	3.93	368	1367	137	3629	0.017	1666.9
b1-920	5.02	34.9	190	24.6	284	2.41	21.8	4.86	371	1364	141	3749	0.010	1668.7
b1-921	4.81	35.6	188	19.4	258	2.35	26.7	5.07	361	1343	140	3560	0.039	1670.5
b1-922	4.92	30.0	177	18.2	310	2.19	29.3	4.64	331	1354	136	3421	0.010	1672.3
b1-923	5.14	36.6	183	19.3	346	1.70	22.4	4.75	353	1413	145	3537	-	1674.2
b1-924	4.74	34.7	206	20.2	176	1.70	23.3	4.27	321	1434	143	3613	0.024	1676.0
b1-925	4.89	-	211	15.2	403	2.34	23.4	4.93	335	1459	144	3541	0.017	1677.8
b1-926	5.24	-	223	24.2	509	1.94	26.6	4.50	316	1438	135	3426	0.023	1679.6
b1-927	5.14	-	-	20.9	510	1.98	28.3	4.90	330	1485	137	3581	-	1681.4
b1-928	4.96	-	-	19.6	279	2.45	27.5	4.58	325	1534	136	3539	0.038	1683.2
b1-929	5.55	-	243	18.3	373	2.61	23.9	4.54	319	1632	144	3492	0.060	1685.1
b1-930	5.12	-	224	18.5	407	2.58	-	4.84	318	1597	142	3657	0.024	1686.9
b1-931	5.46	-	217	21.3	398	3.06	29.4	5.99	344	1735	145	3592	0.032	1688.7
b1-932	5.91	37.0	205	20.0	414	2.22	22.8	4.36	289	1638	136	3628	0.052	1690.5
b1-933	5.83	36.2	197	18.3	237	1.97	28.2	4.65	306	1686	138	3468	0.031	1692.3
b1-934	5.74	-	185	17.9	454	2.13	25.1	4.32	293	1719	138	3489	0.039	1694.1
b1-935	6.12	24.2	186	21.2	517	2.20	24.3	4.27	303	1755	147	3748	0.025	1696.0
b1-936	6.04	26.7	155	23.5	303	2.47	29.5	3.95	272	1707	141	3488	0.037	1697.8
b1-937	5.30	-	161	22.2	604	2.05	30.5	3.78	264	1698	-	3651	0.030	1699.6
b1-938	6.33	30.5	185	-	488	2.76	26.2	4.19	275	1732	138	3466	0.017	1701.4
b1-939	6.13	-	186	-	326	2.13	21.2	3.83	303	1773	144	3444	0.059	1703.2
b1-940	6.22	30.0	199	21.8	309	2.58	36.1	4.14	285	1747	135	3447	0.038	1705.0
b1-941	5.83	29.1	174	12.5	335	2.55	27.6	3.81	296	1787	139	3369	0.031	1706.8
b1-942	6.37	38.1	229	29.2	480	2.59	27.9	3.42	294	1793	139	3364	0.038	1708.7
b1-943	6.66	36.6	187	19.3	477	2.52	22.5	3.53	293	1808	143	3344	-	1710.5
b1-944	6.38	39.1	200	22.1	506	2.23	28.5	3.69	296	1822	142	3382	0.017	1712.3
b1-945	6.35	36.2	230	21.3	470	2.30	23.9	3.82	303	1805	141	3331	0.031	1714.1
b1-946	6.40	33.0	170	19.8	557	2.19	28.1	3.90	294	1842	139	3423	0.031	1715.9
b1-947	6.91	29.4	159	19.1	282	2.34	21.7	3.54	294	1859	151	3378	0.045	1717.7
b1-948	7.09	36.7	171	23.6	296	2.52	22.1	3.67	266	1899	143	3333	0.080	1719.6

b1-949	6.70	30.8	176	22.5	440	2.22	26.0	3.39	280	1847	144	3317	0.045	1721.4
b1-950	7.70	27.7	-	24.9	379	2.62	28.3	3.63	290	1905	151	3372	0.053	1723.2
b1-951	7.25	28.2	174	22.3	396	2.18	16.6	3.12	281	1929	139	3309	0.024	1725.0
b1-952	7.06	27.9	171	21.6	265	1.90	21.0	3.71	275	1956	144	3175	0.017	1726.8
b1-953	7.47	20.4	153	21.9	359	2.73	21.8	-	267	2023	148	3407	0.031	1728.6
b1-954	6.82	23.6	157	14.7	401	3.05	18.4	3.40	279	2073	152	3457	0.040	1730.5
b1-955	7.27	20.8	141	17.1	476	2.32	26.9	3.31	255	1916	140	3257	0.030	1732.3
b1-956	7.34	18.6	144	10.2	349	2.11	21.6	4.04	242	2043	141	3065	0.024	1734.1
b1-957	7.35	22.7	149	13.2	359	2.78	19.1	3.51	250	2004	145	3272	0.046	1735.9
b1-958	7.27	32.4	147	19.3	519	2.47	37.5	3.92	259	2295	151	3453	0.033	1737.7
b1-959	7.88	22.8	141	14.4	397	2.07	23.5	3.22	250	2079	146	3248	0.059	1739.5
b1-960	7.41	31.1	154	19.2	524	2.59	23.5	3.34	313	2143	148	3150	0.031	1741.3
b1-961	7.65	-	183	23.9	256	2.97	25.6	4.02	479	2086	145	3332	0.068	1743.2
b1-962	7.71	-	236	20.7	-	2.78	30.2	4.63	-	2153	146	3127	0.101	1745.0
b1-963	7.57	-	-	16.8	-	2.52	18.8	5.02	-	2151	145	3186	0.087	1746.8
b1-964	7.79	-	-	22.9	-	2.91	18.7	4.83	-	2145	145	3114	0.088	1748.6
b1-965	7.66	-	-	21.7	569	2.72	24.5	5.01	-	2157	145	3002	0.106	1750.4
b1-966	8.47	-	-	17.7	369	2.50	25.4	5.59	-	2168	143	3109	0.059	1752.2
b1-967	7.80	-	-	16.3	495	1.88	19.6	5.05	-	2129	151	3063	0.060	1754.1
b1-968	7.83	-	-	16.9	393	2.96	22.0	4.64	-	2201	145	3049	0.044	1755.9
b1-969	8.49	-	242	14.2	339	2.97	22.3	4.81	-	2235	148	3083	0.052	1757.7
b1-970	8.11	-	235	18.7	296	2.55	23.8	4.32	-	2293	149	3077	0.073	1759.5
b1-971	8.10	-	-	19.6	399	2.74	22.4	4.80	-	2292	149	3043	0.108	1761.3
b1-972	7.54	-	-	22.3	481	2.88	21.6	4.59	-	2293	149	3062	0.058	1763.1
b1-973	7.67	-	-	16.9	423	2.78	15.2	4.73	-	2247	142	3002	0.072	1765.0
b1-974	8.32	-	-	17.4	494	2.20	16.0	4.97	-	2239	147	2892	0.037	1766.8
b1-975	9.23	-	-	19.4	434	2.93	22.2	3.97	-	2385	152	2989	0.067	1768.6
b1-976	7.59	-	-	19.5	382	2.31	21.8	3.84	-	2312	145	2976	0.121	1770.4
b1-977	8.47	-	-	19.0	460	2.92	25.0	4.30	-	2454	149	3024	0.090	1772.2
b1-978	8.35	-	241	22.5	612	2.91	20.0	4.48	-	2370	154	3007	0.119	1774.0
b1-979	8.44	-	215	15.7	473	3.23	20.8	3.78	404	2433	154	2988	0.068	1775.8
b1-980	7.26	-	184	14.8	515	2.78	20.9	3.45	305	2370	146	2744	0.100	1777.7
b1-981	7.57	-	154	13.2	347	3.33	19.8	3.71	256	2270	145	2808	0.113	1779.5
b1-982	8.06	28.0	141	14.5	489	3.03	20.6	3.17	242	2390	146	2860	0.108	1781.3
b1-983	7.72	20.7	133	17.2	481	3.05	17.0	3.66	231	2441	149	2948	0.103	1783.1
b1-984	8.57	16.5	131	14.7	437	2.79	23.2	3.83	199	2405	150	2789	0.053	1784.9
b1-985	7.55	19.9	164	18.0	476	3.58	22.3	3.10	197	2587	151	2923	0.105	1786.7
b1-986	8.57	15.0	175	14.7	474	3.81	20.9	3.32	225	2548	157	2808	0.112	1788.6

b1-987	9.19	18.8	162	12.5	548	3.17	21.8	3.20	204	2633	161	2956	0.062	1790.4
b1-988	8.31	21.5	162	11.0	560	2.83	16.2	4.19	186	2611	156	2779	0.053	1792.2
b1-989	8.84	16.5	173	14.3	544	3.09	21.5	3.26	191	2505	157	2812	0.110	1794.0
b1-990	7.72	16.2	149	12.4	575	2.94	26.6	3.40	186	2515	152	2675	0.149	1795.8
b1-991	8.22	17.2	153	10.5	555	3.22	21.3	3.67	173	2577	149	2790	0.131	1797.6
b1-992	8.61	17.6	156	18.5	467	3.09	24.5	3.04	187	2627	160	2893	0.082	1799.5
b1-993	9.13	12.3	147	12.1	527	3.44	18.9	3.53	187	2704	161	2818	0.120	1801.3
b1-994	9.25	8.7	143	18.6	430	3.41	15.9	3.08	174	2603	152	2626	0.073	1803.1
b1-995	8.41	14.8	126	14.5	270	3.39	20.6	3.07	178	2654	163	2691	0.060	1804.9
b1-996	8.24	11.3	125	11.9	365	3.28	17.3	2.48	176	2675	155	2664	0.119	1806.7
b1-997	8.62	11.2	116	19.1	525	3.43	22.0	3.95	171	2782	168	2742	0.149	1808.5
b1-998	8.09	8.0	104	16.5	591	3.10	21.0	3.50	175	2711	161	2613	0.101	1810.3
b1-999	9.06	8.6	100	11.7	523	3.64	14.3	3.70	210	2681	160	2549	0.116	1812.2
b1-1000	9.09	20.0	112	16.4	468	2.80	20.6	3.87	312	2769	159	2548	0.096	1814.0
b1-1001	8.95	20.4	121	15.8	498	3.44	27.6	4.68	409	2782	158	2546	0.175	1815.8
b1-1002	8.71	-	140	14.2	649	3.04	18.0	-	-	2755	162	2494	0.170	1817.6
b1-1003	8.60	-	166	12.6	649	3.62	20.1	4.58	-	2776	167	2508	0.217	1819.4
b1-1004	8.24	-	180	17.0	506	4.18	18.6	4.63	-	2888	162	2628	0.165	1821.2
b1-1005	8.55	-	183	12.5	630	3.59	18.7	4.80	-	2890	164	2551	0.190	1823.1
b1-1006	8.61	-	169	13.8	618	2.38	14.1	4.53	-	2857	155	2413	0.179	1824.9
b1-1007	9.11	-	158	17.8	729	3.80	24.6	3.75	425	2911	163	2452	0.158	1826.7
b1-1008	9.50	-	134	12.7	396	2.80	18.7	3.19	363	2882	156	2394	0.184	1828.5
b1-1009	9.25	26.8	111	14.3	497	3.40	17.4	3.26	303	2847	163	2331	0.127	1830.3
b1-1010	9.22	19.8	92	-	387	4.03	20.4	3.26	270	2866	164	2367	0.165	1832.1
b1-1011	-	16.4	91	19.1	436	4.13	18.1	3.51	245	2962	168	2459	0.092	1834.0
b1-1012	9.34	10.2	83	11.6	483	3.20	19.3	3.44	209	2980	163	2412	0.146	1835.8
b1-1013	9.20	10.4	79	17.8	585	3.53	17.0	2.65	211	3028	169	2374	0.134	1837.6
b1-1014	9.51	6.4	76	17.6	416	3.59	11.2	3.36	190	2958	161	2340	0.151	1839.4
b1-1015	9.36	8.0	75	12.9	536	3.55	19.5	2.72	179	2938	161	2345	0.151	1841.2
b1-1016	-	13.4	75	13.4	657	3.42	21.7	2.65	180	3091	160	2356	0.169	1843.0
b1-1017	9.47	9.3	71	15.5	633	3.67	21.9	3.13	196	3060	164	2277	0.138	1844.8
b1-1018	9.83	13.0	70	21.9	377	4.17	16.7	3.28	191	3033	169	2254	0.146	1846.7
b1-1019	9.20	8.6	68	24.6	-	3.45	12.3	3.07	172	3139	167	2239	0.110	1848.5
b1-1020	8.91	7.1	61	15.9	437	3.04	16.5	2.81	133	3033	154	2135	0.155	1850.3
b1-1021	9.60	3.9	62	16.5	409	3.64	13.6	3.03	131	3187	160	2179	0.118	1852.1
b1-1022	9.85	6.5	60	15.0	-	3.33	17.8	2.67	107	3119	157	2158	0.145	1853.9
b1-1023	8.90	8.7	57	13.7	-	-	18.4	2.53	96	3251	163	2152	0.203	1855.7
b1-1024	9.77	-	59	20.8	-	3.46	23.9	3.26	91	3271	165	2178	0.219	1857.6

b1-1025	9.49	-	55	12.8	-	3.53	14.8	2.61	90	3205	166	2103	0.202	1859.4
b1-1026	8.63	-	55	16.2	-	4.11	14.9	2.56	78	3163	158	2005	0.100	1861.2
b1-1027	9.65	-	54	19.6	-	3.86	17.4	2.97	77	3132	164	2119	0.166	1863.0
b1-1028	8.77	-	54	25.7	-	3.78	17.7	2.42	77	3269	166	2093	0.148	1864.8
b1-1029	9.59	-	55	10.8	430	3.59	19.0	2.83	64	3241	170	1955	0.172	1866.6
b1-1030	8.46	-	52	18.2	-	3.99	21.9	2.57	64	3319	161	2032	0.238	1868.5
b1-1031	8.76	-	51	13.6	-	4.11	20.8	3.06	63	3331	168	2023	0.183	1870.3
b1-1032	9.26	-	56	19.5	-	3.99	17.0	2.69	66	3264	165	2012	0.160	1872.1
b1-1033	9.21	-	69	16.4	421	3.86	15.7	2.55	64	3302	162	1965	0.246	1873.9

Profile c1	Li	Na	Al	P	Ca	Sc	Ti	V	Cr	Mn	Co	Ni	Y	distance(μm)
c1-001	9.53	12.5	44	36.7	635	-	47.2	2.04	20	3823	-	2418	0.399	0.0
c1-002	8.79	13.1	43	-	721	4.58	-	2.61	22	3953	168	2342	0.424	1.4
c1-003	8.10	1.6	46	34.6	459	-	50.2	3.44	26	3795	174	2370	0.415	2.9
c1-004	8.84	22.1	41	-	391	-	33.3	2.89	19	3725	167	2374	0.386	4.3
c1-005	-	10.5	45	30.4	322	4.60	-	3.54	28	3807	176	2374	0.288	5.8
c1-006	8.29	5.1	46	-	430	4.61	49.9	2.91	20	3920	178	2397	0.272	7.2
c1-007	8.90	6.7	49	-	293	-	-	3.08	34	-	187	2443	-	8.7
c1-008	8.41	15.6	45	32.0	383	-	42.5	3.50	28	3680	168	2340	0.297	10.1
c1-009	8.72	15.0	48	-	383	-	41.5	3.45	21	3697	163	2343	0.361	11.6
c1-010	7.34	5.2	45	-	553	-	32.4	2.51	23	3666	168	2242	0.359	13.0
c1-011	8.78	3.1	48	28.3	545	-	46.5	2.96	28	3673	176	2415	-	14.5
c1-012	8.29	13.9	53	31.5	398	-	36.9	2.46	27	3878	179	2427	0.325	15.9
c1-013	8.84	14.2	52	-	218	-	35.0	3.22	36	3904	176	2509	0.293	17.4
c1-014	8.82	15.6	87	-	547	-	37.3	3.99	31	3850	185	2469	0.311	18.8
c1-015	7.77	12.2	52	28.1	250	-	49.6	3.32	29	3734	166	2406	0.419	20.3
c1-016	7.63	12.6	56	32.4	506	-	28.6	3.20	20	3646	173	2316	0.358	21.7
c1-017	8.37	14.4	62	24.2	540	-	36.8	3.41	33	3632	-	2345	0.324	23.2
c1-018	8.63	18.2	65	29.4	579	-	41.1	3.05	34	3577	176	2510	0.258	24.6
c1-019	8.55	9.5	107	-	-	-	36.5	3.06	58	3612	172	2315	-	26.1
c1-020	9.02	-	135	-	559	-	48.7	3.05	80	3669	182	2464	-	27.5
c1-021	7.47	-	-	36.3	445	-	44.7	4.00	87	3625	169	2391	0.323	29.0
c1-022	8.29	-	-	-	-	-	44.2	4.76	82	3619	185	2456	0.423	30.4
c1-023	8.83	-	-	-	-	5.12	43.7	4.50	106	3481	181	2555	0.394	31.9
c1-024	7.66	-	-	-	-	4.23	35.0	4.30	146	3287	170	2392	0.357	33.3
c1-025	7.91	-	-	-	-	4.85	-	3.79	132	-	181	2521	0.358	34.8
c1-026	7.68	-	-	-	-	4.19	-	4.80	129	-	184	2469	0.335	36.2
c1-027	-	-	-	-	-	4.83	41.6	5.99	115	-	-	2563	0.288	37.7

c1-028	-	-	-	36.8	-	4.77	34.4	5.67	126	-	-	2448	0.313	39.1
c1-029	-	-	-	39.1	-	5.28	52.4	4.90	121	-	-	2523	-	40.6
c1-030	-	-	-	-	-	5.23	46.2	5.41	123	-	-	2517	0.337	42.0
c1-031	-	-	-	-	-	4.22	-	5.74	126	-	-	2670	0.337	43.5
c1-032	-	-	-	39.6	-	5.70	51.6	5.81	143	-	-	2665	0.310	44.9
c1-033	-	-	-	36.7	-	5.23	-	5.57	114	-	-	2568	0.395	46.4
c1-034	-	-	-	27.0	-	5.41	-	5.53	103	-	-	2581	-	47.8
c1-035	-	-	156	29.9	-	5.56	45.7	6.16	101	-	-	2411	-	49.3
c1-036	-	-	138	25.5	-	5.39	37.3	6.15	91	-	-	2393	-	50.7
c1-037	-	-	162	28.9	-	5.92	44.2	5.45	91	-	-	2563	0.299	52.2
c1-038	-	-	-	18.9	-	-	47.2	5.61	86	-	-	2380	-	53.6
c1-039	-	-	108	24.1	-	-	36.5	5.29	91	-	181	2546	-	55.1
c1-040	-	-	153	38.5	-	5.34	36.5	5.09	64	-	166	2461	0.311	56.5
c1-041	7.57	-	122	25.4	-	4.32	24.4	5.97	73	3250	182	2537	0.405	58.0
c1-042	-	-	120	20.3	-	-	36.9	5.52	68	3185	170	2372	0.292	59.4
c1-043	7.78	-	154	32.5	537	-	32.4	4.82	75	3334	175	2387	0.271	60.9
c1-044	-	-	127	33.2	788	-	43.8	6.34	88	3382	177	2396	0.261	62.3
c1-045	7.62	-	152	18.7	484	-	35.3	6.39	106	3408	170	2413	0.343	63.8
c1-046	8.63	28.8	152	27.3	569	-	46.5	6.62	108	3310	170	2411	0.336	65.2
c1-047	-	22.0	109	28.9	613	4.51	36.8	5.70	130	3413	172	2372	0.274	66.7
c1-048	7.65	-	108	22.5	425	-	42.2	6.85	125	3346	170	2476	0.220	68.1
c1-049	7.80	23.3	105	30.6	675	-	33.3	6.42	118	3401	172	2459	0.418	69.6
c1-050	7.97	22.6	105	23.7	243	5.66	47.2	6.29	105	3348	172	2426	0.279	71.0
c1-051	8.10	20.0	112	23.4	480	4.59	26.2	6.43	99	3421	164	2361	0.213	72.5
c1-052	7.61	10.7	103	36.2	523	-	22.7	5.36	104	3292	163	2436	0.314	73.9
c1-053	7.93	13.5	101	20.2	525	4.93	23.8	6.99	119	3298	174	2450	0.331	75.4
c1-054	7.34	18.1	110	28.9	468	4.56	30.6	6.97	110	3288	178	2529	0.257	76.8
c1-055	9.32	14.7	107	24.9	583	5.01	47.7	7.44	123	3325	167	2507	0.210	78.3
c1-056	7.98	20.0	109	19.3	710	4.38	29.2	7.04	121	3281	173	2444	0.303	79.7
c1-057	8.62	16.6	112	38.3	443	4.36	27.2	6.77	142	3328	177	2548	0.332	81.2
c1-058	8.20	14.6	104	27.8	435	4.34	43.2	6.86	93	3276	172	2453	0.175	82.6
c1-059	8.12	22.3	105	24.9	333	-	35.7	6.89	103	3414	171	2509	0.367	84.1
c1-060	7.97	19.5	111	18.7	479	4.55	26.1	6.16	107	3348	178	2482	0.144	85.5
c1-061	8.31	14.7	119	31.9	475	4.70	23.8	6.97	109	3257	174	2464	0.278	87.0
c1-062	8.08	6.8	140	32.7	576	-	32.7	6.23	117	3219	170	2426	0.141	88.4
c1-063	7.81	21.4	135	23.5	676	5.08	30.3	6.69	107	3264	166	2455	0.254	89.9
c1-064	7.54	15.0	145	22.4	317	4.65	19.9	7.13	101	3174	164	2430	0.300	91.3
c1-065	8.05	5.4	114	25.3	618	4.68	37.1	8.06	92	3300	166	2501	0.361	92.8

c1-066	7.47	16.8	124	27.1	287	4.42	31.5	6.79	77	3305	162	2479	0.322	94.2
c1-067	7.39	9.7	118	29.9	615	4.84	34.9	8.40	77	3245	166	2420	0.158	95.7
c1-068	7.65	14.0	115	23.1	701	4.63	32.8	5.60	88	3073	163	2418	0.169	97.1
c1-069	8.66	16.5	119	27.6	213	4.74	28.1	8.27	111	3239	173	2607	0.187	98.6
c1-070	7.99	6.3	123	30.4	459	5.47	25.0	7.93	111	3214	159	2525	0.301	100.0
c1-071	6.70	15.5	129	22.1	756	5.01	26.5	7.19	128	3114	165	2513	0.307	101.5
c1-072	8.72	21.4	120	36.4	421	4.88	34.8	8.20	109	3114	165	2443	0.299	102.9
c1-073	8.88	10.5	132	19.7	363	4.48	30.9	7.89	124	3275	178	2510	0.108	104.4
c1-074	8.71	9.9	134	19.2	471	5.86	31.8	8.30	122	3169	169	2580	-	105.8
c1-075	7.27	22.6	126	27.7	357	3.71	22.1	9.22	119	3129	174	2579	0.271	107.3
c1-076	7.67	21.5	131	22.4	689	5.46	27.3	8.11	120	2990	161	2433	0.246	108.7
c1-077	7.58	19.9	157	42.0	576	3.89	17.2	7.62	118	2947	159	2507	0.195	110.2
c1-078	8.72	27.9	158	26.1	677	4.27	30.3	10.65	130	3025	162	2437	0.271	111.6
c1-079	7.52	-	193	30.3	623	4.84	24.9	9.11	133	3080	166	2461	0.279	113.1
c1-080	8.51	25.8	164	22.0	220	4.07	34.3	10.13	123	3090	183	2584	0.211	114.5
c1-081	7.81	25.4	162	22.9	353	4.54	30.0	9.23	124	3075	173	2600	0.285	116.0
c1-082	7.68	28.1	188	34.5	548	5.46	21.7	10.05	152	3132	174	2786	0.312	117.4
c1-083	8.17	29.1	169	-	453	5.52	27.6	9.22	147	2982	162	2435	0.201	118.9
c1-084	8.56	30.8	198	26.5	543	4.34	42.1	9.95	156	3041	163	2548	0.191	120.3
c1-085	7.80	-	223	18.9	605	3.39	30.2	10.68	191	3012	174	2622	0.304	121.8
c1-086	7.04	-	232	30.5	448	4.25	24.4	9.18	176	2915	165	2573	0.326	123.2
c1-087	7.51	-	261	26.5	714	4.28	27.3	10.77	206	3045	166	2598	0.272	124.7
c1-088	7.28	-	289	27.9	670	4.78	26.0	10.28	200	2918	166	2659	0.170	126.1
c1-089	7.83	33.3	237	34.5	704	-	27.9	11.30	197	2995	163	2488	0.219	127.6
c1-090	6.84	30.6	215	22.2	470	5.10	26.6	10.11	185	2958	171	2571	0.275	129.0
c1-091	7.96	-	218	18.7	-	5.10	33.1	10.40	202	2862	162	2562	0.138	130.5
c1-092	8.18	30.4	222	28.2	534	4.58	21.1	11.17	195	2948	168	2629	0.320	131.9
c1-093	6.65	27.8	194	24.2	-	-	37.1	11.09	194	2866	167	2560	0.269	133.4
c1-094	7.61	-	184	27.3	587	5.04	24.4	9.19	180	2837	165	2555	0.151	134.8
c1-095	6.81	19.5	170	31.1	428	4.46	33.4	10.12	165	2909	168	2702	0.139	136.3
c1-096	7.21	14.3	185	35.0	248	3.86	33.0	8.92	169	2905	164	2561	0.203	137.7
c1-097	7.70	11.3	175	35.6	288	5.19	33.6	11.38	173	2934	168	2635	0.190	139.2
c1-098	7.33	17.4	190	20.9	743	4.67	32.1	10.15	167	2861	169	2556	0.122	140.6
c1-099	6.93	32.0	208	14.5	544	5.74	37.1	9.92	192	2940	168	2723	0.142	142.1
c1-100	7.70	16.9	-	26.0	594	4.92	30.7	8.78	193	2880	166	2528	0.233	143.5
c1-101	7.31	26.3	212	32.0	383	4.29	35.5	9.77	194	2813	158	2597	0.136	145.0
c1-102	7.61	34.0	225	28.1	385	4.14	29.8	10.10	227	2785	167	2676	0.153	146.4
c1-103	8.54	28.4	-	20.3	731	3.87	26.9	11.52	284	2826	171	2809	0.194	147.9

c1-104	7.48	38.6	234	34.0	-	4.33	46.5	10.27	228	2713	169	2613	0.188	149.3
c1-105	8.47	-	264	21.8	249	3.82	31.2	10.45	234	2740	163	2603	0.155	150.8
c1-106	7.26	-	242	21.6	696	4.78	37.4	11.82	251	2882	174	2668	0.160	152.2
c1-107	7.12	-	275	24.7	245	5.16	28.6	9.02	222	2721	162	2627	0.233	153.7
c1-108	7.73	-	225	34.8	596	3.28	32.8	10.16	238	2603	158	2576	0.202	155.1
c1-109	6.90	38.2	221	34.5	398	3.70	42.1	11.65	249	2793	160	2682	0.158	156.6
c1-110	7.99	-	222	-	293	3.30	31.1	10.12	266	2734	170	2714	0.160	158.0
c1-111	7.37	22.7	219	34.8	-	4.11	25.8	10.24	222	2674	164	2664	0.159	159.5
c1-112	6.99	33.0	212	39.3	362	4.28	29.8	11.89	230	2731	171	2724	0.242	160.9
c1-113	8.75	21.4	204	33.3	536	3.53	46.7	9.99	207	2628	159	2588	0.140	162.4
c1-114	7.41	20.7	183	34.4	396	5.63	43.9	9.88	198	2670	166	2702	0.257	163.8
c1-115	8.38	19.0	175	26.7	252	3.74	33.6	9.55	182	2598	165	2757	0.173	165.3
c1-116	7.64	11.7	161	22.8	609	4.23	31.5	9.70	140	2582	157	2580	0.206	166.7
c1-117	-	7.6	168	22.2	363	3.77	36.0	9.38	196	2579	161	2748	0.091	168.2
c1-118	6.41	15.3	166	20.8	423	4.78	32.0	8.29	170	2504	162	2478	0.170	169.6
c1-119	6.73	16.2	165	21.3	626	4.22	38.7	8.44	182	2587	166	2744	0.110	171.1
c1-120	7.51	13.9	182	18.3	352	3.67	26.9	7.65	167	2425	172	2682	0.186	172.5
c1-121	7.09	12.9	166	22.9	282	3.85	37.0	9.38	182	2496	157	2698	0.121	174.0
c1-122	6.58	14.6	164	27.2	490	3.83	35.7	10.04	179	2503	166	2563	0.169	175.4
c1-123	7.68	24.1	175	37.7	364	4.36	34.0	10.32	189	2638	159	2839	0.176	176.9
c1-124	8.38	15.3	263	24.6	284	4.43	30.1	9.48	227	2540	162	2667	0.089	178.3
c1-125	7.45	34.8	210	-	248	3.67	27.0	10.07	235	2518	159	2632	0.105	179.8
c1-126	7.61	37.8	251	32.0	464	3.71	49.7	11.24	231	2517	159	2699	0.156	181.2
c1-127	7.24	-	289	35.8	142	3.98	42.1	10.70	265	2471	157	2747	0.171	182.6
c1-128	8.07	-	-	26.7	384	3.57	46.6	10.57	256	2378	154	2594	0.168	184.1
c1-129	7.87	-	-	20.5	760	3.70	28.7	12.10	259	2413	163	2742	0.175	185.5
c1-130	8.07	-	-	28.9	668	4.52	36.9	10.93	243	2515	164	2853	-	187.0
c1-131	6.94	-	-	27.4	500	3.53	38.6	11.05	213	2352	150	2706	0.123	188.4
c1-132	7.49	-	287	18.6	-	4.15	32.9	11.32	221	2306	157	2571	0.186	189.9
c1-133	7.53	-	245	25.8	459	3.24	34.1	8.56	196	2375	154	2757	0.056	191.3
c1-134	6.63	-	250	27.7	311	4.14	36.3	8.84	227	2317	150	2649	0.087	192.8
c1-135	7.11	36.3	242	22.7	429	3.53	41.6	9.66	214	2407	161	2832	0.123	194.2
c1-136	7.75	32.2	244	25.5	288	3.94	42.9	10.22	200	2461	154	2815	0.091	195.7
c1-137	6.51	25.5	192	27.7	350	3.83	36.7	10.19	168	2258	160	2806	0.072	197.1
c1-138	6.78	22.1	220	24.5	620	3.60	32.0	10.51	209	2432	162	2944	0.109	198.6
c1-139	8.00	35.6	198	29.7	511	4.05	30.0	9.60	190	2339	156	2874	0.142	200.0
c1-140	7.80	33.2	215	30.9	443	3.07	25.1	10.98	205	2405	168	2843	0.144	201.5
c1-141	7.34	20.8	228	26.9	356	3.70	38.4	8.42	204	2402	172	2842	0.040	202.9

c1-142	7.78	21.2	227	38.2	483	3.74	35.9	9.68	218	2523	176	3122	0.111	204.4
c1-143	7.62	23.1	188	29.4	391	3.45	39.4	8.51	198	2340	171	3078	0.040	205.8
c1-144	7.48	18.6	200	30.0	295	4.03	39.7	10.35	234	2366	171	3068	0.127	207.3
c1-145	6.79	41.4	218	34.8	360	3.74	33.6	10.09	269	2300	163	3024	0.057	208.7
c1-146	7.32	33.1	280	17.4	317	3.91	39.9	10.40	238	2240	160	2813	0.089	210.2
c1-147	7.47	38.7	260	13.0	427	4.14	38.3	11.78	241	2284	159	2857	0.122	211.6
c1-148	7.45	41.9	-	19.9	345	3.04	34.2	10.65	270	2187	162	2745	0.071	213.1
c1-149	6.67	40.2	251	29.0	393	3.71	40.5	10.86	241	2191	163	2896	0.090	214.5
c1-150	7.72	45.2	316	30.5	593	3.69	38.6	11.87	268	2169	154	2739	0.072	216.0
c1-151	7.80	46.9	265	25.6	471	3.65	42.2	9.86	270	2164	157	2875	0.125	217.4
c1-152	6.40	-	271	28.9	280	3.46	34.7	8.49	270	2069	154	2752	0.104	218.9
c1-153	7.45	-	264	31.2	430	3.29	32.5	11.27	298	2228	159	2824	0.123	220.3
c1-154	7.19	47.2	270	26.6	572	3.47	34.5	11.15	252	2211	159	2944	0.040	221.8
c1-155	6.70	43.0	242	32.9	488	3.87	31.6	9.28	236	2144	156	2765	0.185	223.2
c1-156	6.86	39.5	231	19.9	503	3.49	27.5	10.62	242	2121	152	2926	0.074	224.7
c1-157	7.64	34.8	-	30.1	432	3.24	29.6	9.20	213	2090	156	2987	0.041	226.1
c1-158	6.60	24.2	-	17.9	397	3.38	30.7	11.42	246	2141	161	3034	0.108	227.6
c1-159	7.18	26.6	206	34.8	143	3.32	33.2	9.92	201	2087	157	2868	0.139	229.0
c1-160	6.32	17.6	221	19.7	533	3.57	38.3	9.46	210	2103	156	2987	0.057	230.5
c1-161	6.89	29.5	273	28.8	565	3.62	43.1	9.04	234	2102	160	2990	0.056	231.9
c1-162	7.88	30.3	227	20.0	283	2.99	39.0	9.49	253	2120	160	2948	0.121	233.4
c1-163	7.20	53.3	-	33.3	514	4.01	37.5	9.44	272	2111	166	2984	0.042	234.8
c1-164	6.44	46.4	-	39.3	280	2.05	31.8	10.40	244	2022	156	2972	0.121	236.3
c1-165	6.12	44.1	-	19.6	474	3.29	31.7	9.66	255	1861	143	2703	0.132	237.7
c1-166	5.70	41.4	255	22.3	281	3.65	38.8	9.64	252	1933	147	2936	0.056	239.2
c1-167	6.20	41.9	306	31.0	220	3.42	40.4	9.93	292	1953	157	2907	0.058	240.6
c1-168	6.31	30.1	270	-	547	2.84	47.7	8.96	264	1993	159	2879	0.024	242.1
c1-169	7.68	44.2	299	25.5	262	3.03	49.8	8.10	266	1982	165	3120	0.025	243.5
c1-170	7.04	31.2	231	31.3	580	2.89	46.4	8.42	293	1990	155	3042	-	245.0
c1-171	5.79	35.0	238	34.2	144	3.16	31.5	10.06	280	1897	159	2911	0.041	246.4
c1-172	6.23	36.4	218	23.1	471	3.20	36.0	8.04	286	1962	157	3090	0.091	247.9
c1-173	6.18	33.5	219	21.1	422	2.62	36.9	8.63	302	1929	149	2960	-	249.3
c1-174	6.95	41.8	232	32.7	591	3.53	39.9	9.95	248	1995	162	3110	0.093	250.8
c1-175	6.62	35.5	199	20.7	573	3.98	40.7	9.06	252	1881	165	3168	0.107	252.2
c1-176	7.21	23.8	211	22.1	469	2.43	39.9	8.21	249	1910	158	3096	0.091	253.7
c1-177	5.91	31.6	220	21.1	402	3.29	26.9	9.02	272	2008	171	3148	0.058	255.1
c1-178	6.18	36.7	219	38.6	533	2.52	52.5	9.41	266	1893	151	3147	-	256.6
c1-179	7.17	28.3	277	36.0	548	3.33	54.6	9.23	315	1776	147	3072	0.055	258.0

c1-180	6.16	38.7	254	31.7	418	3.69	30.6	10.00	349	1861	156	3056	0.104	259.5
c1-181	6.82	39.6	-	31.4	214	3.26	34.3	8.14	395	1849	156	3099	0.106	260.9
c1-182	6.68	43.7	297	32.8	138	2.43	36.0	8.26	342	1754	153	3059	-	262.4
c1-183	5.93	35.4	275	27.0	590	1.73	40.4	8.73	321	1724	151	3090	0.071	263.8
c1-184	6.72	21.9	232	36.3	142	2.63	38.2	7.84	314	1851	152	3300	0.073	265.3
c1-185	5.95	31.9	223	24.5	409	2.77	33.8	8.71	367	1700	151	3034	-	266.7
c1-186	6.75	28.9	209	26.3	424	2.63	46.2	8.89	-	1727	145	3120	0.024	268.2
c1-187	6.32	22.9	226	22.4	211	3.22	41.9	8.15	-	1691	156	3123	0.040	269.6
c1-188	5.46	34.7	204	28.7	572	3.35	31.4	8.72	-	1730	154	3056	-	271.1
c1-189	7.04	28.4	233	26.4	217	3.25	37.9	7.69	-	1711	159	3213	0.074	272.5
c1-190	6.73	37.5	200	21.1	430	2.73	34.5	9.26	-	1666	158	3157	0.041	274.0
c1-191	6.53	37.9	219	37.3	144	2.80	45.9	9.56	454	1635	148	3121	0.024	275.4
c1-192	5.37	49.5	212	18.3	579	2.25	35.9	8.93	361	1667	162	3214	0.041	276.9
c1-193	6.28	37.3	213	28.1	434	2.94	38.0	8.55	368	1720	158	3326	0.041	278.3
c1-194	6.05	36.0	202	38.5	216	2.98	40.7	9.44	387	1717	166	3246	0.024	279.8
c1-195	7.27	30.8	202	34.9	214	2.09	39.4	9.37	307	1648	155	3426	0.024	281.2
c1-196	5.90	32.8	196	31.1	392	2.77	37.4	9.00	291	1614	148	3225	-	282.7
c1-197	6.06	31.8	196	34.1	286	2.53	39.5	8.97	302	1604	154	3244	-	284.1
c1-198	5.31	45.7	196	21.2	142	2.07	29.0	7.56	295	1568	150	3058	-	285.6
c1-199	5.52	52.6	221	17.4	554	3.65	51.4	8.95	307	1740	159	3342	0.008	287.0
c1-200	6.04	36.6	205	35.5	380	2.75	34.3	8.22	298	1525	152	3079	-	288.5
c1-201	6.01	45.7	232	21.4	110	2.89	52.6	10.88	342	1617	153	3355	0.024	289.9
c1-202	6.47	33.5	212	7.5	250	2.65	43.5	9.31	294	1542	153	3243	0.057	291.4
c1-203	6.65	22.8	194	37.6	525	3.09	44.8	8.80	286	1563	141	3120	-	292.8
c1-204	6.38	29.2	196	29.0	281	3.10	35.8	8.66	297	1506	151	3161	0.056	294.3
c1-205	6.63	25.4	182	27.2	325	2.87	27.5	9.86	271	1544	158	3389	0.008	295.7
c1-206	6.34	35.0	185	15.1	321	2.34	34.4	8.28	280	1523	148	3400	-	297.2
c1-207	6.79	31.0	175	19.6	495	2.75	30.1	10.15	296	1500	150	3255	-	298.6
c1-208	7.30	23.2	186	15.3	421	2.73	36.8	9.49	289	1505	151	3892	0.024	300.1
c1-209	6.42	23.0	176	30.3	278	3.37	21.6	9.85	253	1416	151	3329	0.023	301.5
c1-210	5.73	34.1	296	17.5	290	3.51	40.0	8.87	346	1400	153	3347	-	303.0
c1-211	4.86	55.3	273	29.2	566	2.39	32.1	8.53	-	1482	147	3327	0.122	304.4
c1-212	5.23	-	-	-	443	1.64	-	9.21	369	1373	147	3288	0.070	305.9
c1-213	6.79	-	-	-	-	2.49	46.7	7.95	369	1435	152	3307	0.055	307.3
c1-214	5.19	-	-	-	-	3.38	51.5	9.53	-	1434	-	3334	0.023	308.8
c1-215	5.98	-	-	-	-	3.14	-	9.41	423	1430	154	3301	0.124	310.2
c1-216	5.92	-	-	-	-	2.24	-	8.89	495	1391	156	3091	0.076	311.7
c1-217	6.00	-	-	-	-	3.69	50.5	11.28	417	1515	-	3074	0.033	313.1

c1-218	5.06	-	-	-	-	2.12	40.1	11.54	395	1555	-	2890	0.066	314.6
c1-219	6.08	-	-	28.1	-	2.65	50.1	12.99	436	1563	-	3357	-	316.0
c1-220	6.35	-	-	-	-	3.31	41.7	12.64	429	1662	-	3273	0.065	317.5
c1-221	6.30	-	-	27.2	-	2.73	46.8	11.91	396	1582	-	3152	0.062	318.9
c1-222	6.80	-	-	36.2	-	2.74	34.0	10.94	408	1523	-	3324	0.027	320.4
c1-223	6.18	-	-	-	-	3.44	44.5	10.24	409	1492	-	3397	0.028	321.8
c1-224	5.78	-	-	35.1	-	2.23	52.8	10.98	427	1413	-	3682	0.028	323.3
c1-225	5.02	-	-	-	-	2.06	49.8	11.81	373	1359	-	-	0.029	324.7
c1-226	5.37	-	-	35.2	-	2.72	-	10.43	397	1307	-	-	0.040	326.2
c1-227	4.99	-	293	41.7	-	2.32	40.1	11.41	387	1252	-	-	0.017	327.6
c1-228	5.28	-	268	-	-	3.03	42.0	11.40	376	1347	-	-	0.018	329.1
c1-229	5.71	-	275	36.7	-	2.94	41.6	12.50	372	1392	-	-	0.017	330.5
c1-230	6.29	-	-	31.4	-	1.91	50.0	11.96	399	1486	-	-	0.028	332.0
c1-231	-	-	-	26.6	-	2.61	47.6	12.16	409	1512	-	-	-	333.4
c1-232	-	-	292	31.1	-	3.23	31.3	12.90	405	1506	-	-	0.047	334.9
c1-233	-	-	-	34.9	-	3.19	55.6	12.68	426	1618	-	-	0.049	336.3
c1-234	-	-	292	32.1	-	2.64	43.3	12.83	416	1511	-	-	0.026	337.8
c1-235	-	-	-	29.4	-	3.20	42.2	13.26	385	1559	-	3960	-	339.2
c1-236	-	-	-	37.9	-	2.42	41.5	12.37	422	1482	-	3875	-	340.7
c1-237	-	-	-	-	-	2.85	54.3	12.28	452	1563	-	3704	-	342.1
c1-238	-	-	-	-	-	2.51	49.3	11.63	409	1506	-	3453	-	343.6
c1-239	-	-	-	-	-	2.87	42.5	11.09	454	1632	-	3335	-	345.0
c1-240	-	-	-	-	-	2.43	43.2	10.72	459	1476	-	3086	-	346.5
c1-241	6.84	-	-	-	-	2.39	35.1	10.35	-	1373	-	2885	-	347.9
c1-242	6.73	-	281	-	-	2.68	49.7	11.04	-	1368	-	2971	-	349.4
c1-243	6.35	-	235	-	-	2.62	43.0	10.08	355	1206	-	2951	-	350.8
c1-244	6.72	-	231	-	-	2.39	40.0	9.62	341	1237	-	3168	-	352.3
c1-245	5.73	-	201	36.3	-	2.07	35.6	9.48	350	1186	159	3120	-	353.7
c1-246	5.68	-	192	-	-	2.43	40.8	8.94	328	1109	160	3246	-	355.2
c1-247	4.95	-	190	36.2	-	2.85	35.0	7.76	302	1060	152	3311	-	356.6
c1-248	5.29	-	184	24.7	-	2.44	33.5	9.35	301	1081	158	3419	-	358.1
c1-249	5.37	-	202	26.3	-	2.04	29.7	8.29	286	1035	148	3424	-	359.5
c1-250	5.42	55.4	248	34.2	633	1.84	34.0	9.21	283	1029	155	3599	-	361.0
c1-251	5.59	58.1	191	32.3	776	2.16	52.8	8.34	320	1033	149	3353	-	362.4
c1-252	4.73	54.7	198	27.2	757	2.32	46.0	8.61	324	1073	149	3450	-	363.8
c1-253	5.38	48.6	211	30.6	795	2.33	24.5	8.85	369	1031	150	3539	0.023	365.3
c1-254	5.01	60.5	227	38.3	473	2.22	45.1	8.14	357	1050	146	3602	0.069	366.7
c1-255	5.06	-	-	-	690	3.29	52.0	9.75	389	1032	152	3542	0.071	368.2

c1-256	5.52	-	-	-	780	2.02	-	9.38	500	1065	153	3750	0.037	369.6
c1-257	5.13	-	-	-	-	2.26	39.9	10.11	401	1052	151	3689	-	371.1
c1-258	5.82	-	-	-	-	2.51	49.9	8.56	419	1058	150	3451	0.021	372.5
c1-259	5.18	-	-	-	-	2.42	39.8	10.97	393	1143	-	3553	0.020	374.0
c1-260	5.14	-	-	-	-	2.32	42.1	9.26	441	1108	156	3451	-	375.4
c1-261	6.79	-	-	-	-	2.45	49.5	10.41	407	1095	-	3394	0.031	376.9
c1-262	5.44	-	-	-	-	2.24	48.2	11.78	420	1199	-	3519	0.030	378.3
c1-263	6.76	-	-	-	-	2.80	42.0	11.12	460	1254	-	3800	0.068	379.8
c1-264	-	-	-	-	-	3.37	54.4	12.12	454	1224	-	3703	0.086	381.2
c1-265	-	-	295	-	-	2.51	42.5	8.85	444	1247	-	3824	0.027	382.7
c1-266	-	-	-	-	-	2.41	42.8	10.55	482	1245	-	4163	0.016	384.1
c1-267	-	-	-	-	-	2.14	47.0	12.35	-	1293	-	-	< 0.01	385.6
c1-268	-	-	-	-	-	2.44	54.5	12.58	-	1347	-	-	< 0.01	387.0
c1-269	-	-	-	-	-	2.88	55.5	12.09	-	1354	-	-	< 0.01	388.5
c1-270	-	-	-	-	-	2.13	54.1	-	-	1210	-	-	< 0.01	389.9
c1-271	-	-	-	-	-	2.43	43.4	11.32	457	1162	-	-	< 0.01	391.4
c1-272	-	-	-	-	-	2.52	51.6	10.78	417	1151	-	-	< 0.01	392.8
c1-273	-	-	-	-	-	2.42	53.6	12.22	427	1121	-	-	< 0.01	394.3
c1-274	-	-	273	-	-	2.38	48.6	10.54	401	1163	-	-	< 0.01	395.7
c1-275	-	-	-	-	-	2.13	52.7	11.66	419	1233	-	4149	< 0.01	397.2
c1-276	-	-	251	-	-	1.86	57.6	10.41	387	1200	-	4083	< 0.01	398.6
c1-277	-	-	-	-	-	2.06	54.7	11.47	-	1197	-	3950	< 0.01	400.1
c1-278	-	-	-	-	-	2.21	52.3	10.03	-	1174	-	3519	< 0.01	401.5
c1-279	-	-	-	-	-	2.44	49.9	11.78	-	1199	-	3378	< 0.01	403.0
c1-280	-	-	-	-	-	2.25	47.9	11.46	-	1144	-	3005	< 0.01	404.4
c1-281	-	-	-	-	-	2.49	-	-	-	1217	-	3303	< 0.01	405.9
c1-282	-	-	-	-	-	2.59	56.4	10.89	482	1106	-	2968	< 0.01	407.3
c1-283	-	-	-	-	-	2.24	-	10.48	-	1069	-	3147	< 0.01	408.8
c1-284	-	-	-	-	-	2.56	54.3	11.14	463	996	-	-	< 0.01	410.2
c1-285	-	-	-	-	-	1.97	50.9	10.20	-	955	-	-	< 0.01	411.7
c1-286	6.18	-	-	-	-	1.72	51.8	9.00	495	954	-	3351	< 0.01	413.1
c1-287	5.88	-	-	37.9	-	1.93	45.6	10.84	499	938	-	3631	< 0.01	414.6
c1-288	5.37	-	-	27.3	-	1.86	28.0	9.45	-	939	-	3664	< 0.01	416.0
c1-289	-	-	-	19.7	-	1.35	43.0	11.37	-	846	152	3725	< 0.01	417.5
c1-290	5.64	-	-	35.4	-	2.05	40.8	10.85	-	820	146	3817	< 0.01	418.9
c1-291	5.99	-	-	27.7	-	2.18	37.7	10.58	-	1025	151	4055	< 0.01	420.4
c1-292	4.94	-	-	21.7	-	2.50	34.5	9.61	-	794	147	3815	< 0.01	421.8
c1-293	-	-	298	20.6	-	2.13	31.3	10.02	-	798	138	3852	< 0.01	423.3

c1-294	5.08	-	272	28.5	-	1.44	32.3	9.13	-	781	147	3834	< 0.01	424.7
c1-295	5.48	-	266	35.7	-	1.54	32.1	9.45	-	801	142	3835	< 0.01	426.2
c1-296	5.21	-	275	35.1	627	2.23	22.4	9.62	-	781	143	3823	< 0.01	427.6
c1-297	5.12	-	224	36.0	596	2.00	26.3	8.52	-	765	139	3759	< 0.01	429.1
c1-298	4.98	-	206	21.9	675	1.86	23.9	9.44	494	798	150	3683	< 0.01	430.5
c1-299	4.66	-	262	39.9	517	2.08	29.3	8.97	444	756	143	3831	< 0.01	432.0
c1-300	4.40	-	190	24.3	-	2.10	38.4	9.04	408	711	143	3459	< 0.01	433.4
c1-301	4.64	-	216	21.1	561	2.12	31.8	8.97	427	745	141	3749	< 0.01	434.9
c1-302	4.15	-	181	27.8	-	1.75	35.9	7.79	429	760	140	3746	< 0.01	436.3
c1-303	4.54	-	195	31.2	760	1.87	26.7	8.36	449	780	150	3802	< 0.01	437.8
c1-304	4.33	58.7	231	25.7	-	2.61	35.9	8.73	430	728	145	3738	< 0.01	439.2
c1-305	4.33	50.9	183	29.4	773	2.00	34.9	9.25	448	752	146	3800	< 0.01	440.7
c1-306	4.23	56.7	196	16.3	355	1.89	34.2	9.44	412	708	142	3920	< 0.01	442.1
c1-307	5.46	44.9	189	21.2	565	2.75	30.0	8.10	397	734	141	3815	< 0.01	443.6
c1-308	-	43.3	175	25.1	275	2.19	31.2	8.33	403	710	145	3650	< 0.01	445.0
c1-309	4.56	41.4	171	18.4	533	1.71	22.1	7.77	385	749	146	3813	< 0.01	446.5
c1-310	4.67	38.9	165	24.5	564	1.57	23.9	9.49	328	719	138	3891	< 0.01	447.9
c1-311	5.44	39.1	168	15.8	364	2.00	36.1	9.14	349	718	144	3976	< 0.01	449.4
c1-312	4.23	26.3	170	20.9	355	1.58	25.1	7.97	326	678	133	3712	< 0.01	450.8
c1-313	4.27	29.7	170	18.5	384	1.99	27.7	9.04	298	681	138	3647	< 0.01	452.3
c1-314	4.57	40.1	170	23.5	652	2.25	33.9	9.32	362	723	140	3885	< 0.01	453.7
c1-315	4.06	42.9	173	33.6	675	1.77	19.1	8.67	348	711	137	3803	< 0.01	455.2
c1-316	3.91	31.6	166	15.2	394	1.60	27.4	8.90	334	681	139	3790	< 0.01	456.6
c1-317	4.33	34.4	166	43.4	535	2.03	29.3	8.55	284	687	149	3725	< 0.01	458.1
c1-318	4.12	28.4	164	24.7	577	2.05	37.9	10.08	329	694	145	3798	< 0.01	459.5
c1-319	4.46	35.2	175	21.1	329	2.08	27.9	9.07	314	690	138	3913	< 0.01	461.0
c1-320	3.91	31.1	175	27.9	538	2.73	34.6	7.96	323	669	143	3666	< 0.01	462.4
c1-321	5.03	39.3	181	29.8	440	2.72	30.1	9.58	321	659	145	3758	< 0.01	463.9
c1-322	3.81	40.2	179	15.1	294	2.21	36.4	9.60	325	690	138	3827	< 0.01	465.3
c1-323	3.53	31.6	154	21.6	459	2.50	24.0	7.52	294	665	137	3721	< 0.01	466.8
c1-324	3.94	25.0	153	23.8	390	1.64	21.0	8.85	330	675	144	3939	< 0.01	468.2
c1-325	3.55	32.6	162	20.5	435	2.50	38.0	10.02	352	733	146	3835	< 0.01	469.7
c1-326	3.77	37.7	172	28.2	422	2.25	33.9	9.05	330	674	141	3946	< 0.01	471.1
c1-327	4.45	43.6	172	26.4	639	2.02	25.1	8.77	371	675	142	3682	< 0.01	472.6
c1-328	3.91	58.4	186	19.1	422	1.57	30.9	7.48	391	670	135	3898	< 0.01	474.0
c1-329	3.42	60.7	191	30.4	-	1.43	27.6	8.97	381	647	134	3668	< 0.01	475.5
c1-330	3.24	59.1	204	17.7	-	2.34	24.2	9.34	379	685	139	3743	< 0.01	476.9
c1-331	2.55	42.1	179	16.3	727	1.49	23.5	8.91	383	627	132	3684	< 0.01	478.4

c1-332	3.20	55.9	182	17.8	612	1.92	30.6	6.97	358	686	146	3954	< 0.01	479.8
c1-333	3.68	37.4	183	31.1	578	2.50	30.7	7.58	372	675	143	3704	< 0.01	481.3
c1-334	4.32	40.9	166	16.8	375	1.74	41.5	9.21	371	706	150	4128	< 0.01	482.7
c1-335	2.72	45.7	176	24.3	-	2.14	28.1	8.08	381	671	143	3724	< 0.01	484.2
c1-336	3.49	47.5	178	11.2	551	2.41	28.1	8.04	378	681	136	4131	< 0.01	485.6
c1-337	3.56	34.9	179	13.1	396	2.23	30.6	9.57	353	675	145	3852	< 0.01	487.1
c1-338	3.58	41.8	174	13.1	609	2.41	21.2	9.85	371	665	139	3840	< 0.01	488.5
c1-339	3.07	36.0	164	28.1	695	2.79	31.1	9.31	363	650	133	3889	< 0.01	490.0
c1-340	3.19	36.7	184	24.1	-	1.99	36.0	8.77	387	712	149	3964	< 0.01	491.4
c1-341	3.53	40.2	184	35.5	520	2.44	28.4	8.30	358	670	148	3882	< 0.01	492.9
c1-342	3.60	38.9	176	27.6	504	2.05	28.5	8.46	337	635	138	4009	< 0.01	494.3
c1-343	3.56	35.7	163	22.2	663	2.90	23.7	8.27	353	629	138	3716	< 0.01	495.8
c1-344	3.28	41.7	159	33.6	220	1.63	24.8	8.69	331	666	141	3778	< 0.01	497.2
c1-345	2.96	38.7	154	13.7	635	2.50	30.0	8.30	365	637	137	3652	< 0.01	498.7
c1-346	3.08	32.6	167	36.0	588	1.77	35.4	7.66	369	627	145	3791	< 0.01	500.1
c1-347	3.58	37.0	155	21.1	671	1.80	40.3	7.39	410	667	149	3985	< 0.01	501.6
c1-348	3.23	32.9	160	29.3	467	1.85	32.6	8.98	389	649	138	3915	< 0.01	503.0
c1-349	2.86	40.0	176	35.1	394	2.29	22.3	6.35	355	646	143	3895	< 0.01	504.5
c1-350	2.61	33.4	178	38.1	323	1.16	35.6	8.33	365	666	141	3786	< 0.01	505.9
c1-351	2.65	35.9	285	34.0	583	2.45	37.2	6.89	375	656	142	3786	< 0.01	507.4
c1-352	3.11	37.6	177	29.4	335	2.18	16.7	7.36	438	665	143	3891	< 0.01	508.8
c1-353	2.62	33.4	167	26.7	324	1.67	25.5	7.61	383	643	135	3793	< 0.01	510.3
c1-354	2.91	38.2	171	28.9	396	1.79	19.3	8.19	337	653	142	3824	< 0.01	511.7
c1-355	3.26	41.0	167	22.4	-	1.66	27.4	8.37	383	668	141	3983	< 0.01	513.2
c1-356	2.99	35.9	183	18.1	658	2.91	30.0	8.38	364	669	135	3881	< 0.01	514.6
c1-357	3.88	43.4	170	35.3	480	2.29	31.4	7.70	364	678	146	3975	< 0.01	516.1
c1-358	3.04	42.1	170	21.7	441	2.15	32.3	6.79	386	666	145	3949	< 0.01	517.5
c1-359	2.48	35.1	165	22.1	397	1.74	23.4	7.68	390	630	151	3872	< 0.01	519.0
c1-360	2.90	36.4	162	9.1	351	2.12	32.8	7.41	391	639	136	3798	< 0.01	520.4
c1-361	2.57	50.9	166	23.2	465	1.66	32.5	6.61	429	665	136	3811	< 0.01	521.9
c1-362	3.39	47.6	168	16.2	336	1.60	29.6	7.94	418	669	150	4031	< 0.01	523.3
c1-363	2.80	36.4	164	14.1	422	1.20	25.8	7.58	363	648	140	3781	< 0.01	524.8
c1-364	2.72	48.0	168	39.1	509	2.45	31.9	7.96	366	661	143	4214	< 0.01	526.2
c1-365	3.01	32.8	178	20.2	224	2.90	37.0	7.66	401	694	144	3940	< 0.01	527.7
c1-366	2.63	30.6	162	29.5	387	2.06	27.9	6.55	337	625	134	3671	< 0.01	529.1
c1-367	3.19	36.4	169	23.0	461	2.20	41.3	6.40	385	638	143	3971	< 0.01	530.6
c1-368	3.19	52.8	204	26.1	-	1.87	27.7	7.40	362	660	135	3897	< 0.01	532.0
c1-369	3.04	57.4	217	18.6	513	2.08	23.8	6.23	387	653	137	3814	< 0.01	533.5

c1-370	2.51	63.0	-	27.7	392	1.96	32.3	5.99	335	617	138	3679	< 0.01	534.9
c1-371	3.10	-	-	33.1	757	1.62	46.3	7.17	471	717	150	4167	< 0.01	536.4
c1-372	2.97	-	-	25.3	582	3.21	-	7.53	451	651	136	4010	< 0.01	537.8
c1-373	3.31	-	-	27.8	737	1.65	-	8.34	453	677	148	3894	< 0.01	539.3
c1-374	2.78	-	-	43.3	705	2.13	-	6.26	440	657	140	3880	< 0.01	540.7
c1-375	3.81	-	-	32.2	419	1.68	-	7.33	490	623	139	4093	< 0.01	542.2
c1-376	3.18	-	-	28.8	-	2.20	-	7.23	475	644	140	3929	< 0.01	543.6
c1-377	2.86	-	-	19.8	751	2.29	-	6.83	446	657	136	3957	< 0.01	545.0
c1-378	3.53	-	-	24.5	546	1.82	50.7	7.05	440	673	148	3985	< 0.01	546.5
c1-379	3.38	-	-	31.0	498	1.84	-	6.10	376	657	138	3817	< 0.01	547.9
c1-380	2.68	-	-	19.2	425	2.08	34.2	6.34	404	626	135	3723	< 0.01	549.4
c1-381	2.96	-	-	39.0	-	1.87	50.1	6.77	424	641	145	3914	< 0.01	550.8
c1-382	3.33	57.3	-	33.1	532	1.46	37.2	5.51	337	625	136	3762	< 0.01	552.3
c1-383	3.41	55.5	-	15.4	508	2.51	34.0	5.10	347	601	140	3637	< 0.01	553.7
c1-384	2.59	63.7	-	27.3	462	2.21	36.3	6.36	365	636	155	3780	< 0.01	555.2
c1-385	3.89	46.0	-	23.8	612	1.80	41.9	7.08	355	641	145	3965	< 0.01	556.6
c1-386	3.40	46.4	-	13.9	574	1.35	23.3	6.04	392	638	140	3955	< 0.01	558.1
c1-387	2.88	48.2	240	33.3	528	3.05	34.0	6.30	395	626	137	3815	< 0.01	559.5
c1-388	2.76	58.7	241	25.2	315	2.11	33.7	5.48	410	638	143	3741	< 0.01	561.0
c1-389	2.85	-	235	17.8	388	2.25	43.0	5.36	397	632	146	3909	< 0.01	562.4
c1-390	2.38	54.0	224	32.5	429	3.16	26.3	5.60	348	656	145	4009	< 0.01	563.9
c1-391	3.71	50.5	-	33.0	437	2.07	28.8	5.32	384	655	143	3886	< 0.01	565.3
c1-392	2.81	55.2	192	35.8	423	2.38	42.1	5.21	344	625	137	3641	< 0.01	566.8
c1-393	2.59	50.1	190	21.7	433	2.18	30.7	6.89	381	646	138	3832	< 0.01	568.2
c1-394	3.20	46.0	173	24.8	214	1.78	40.4	5.42	336	647	140	3767	< 0.01	569.7
c1-395	2.69	36.4	191	16.3	355	1.65	31.2	5.04	373	679	139	3820	< 0.01	571.1
c1-396	2.51	53.3	171	18.1	511	2.20	26.9	5.56	364	676	142	3919	< 0.01	572.6
c1-397	2.73	43.6	166	32.7	462	1.83	37.3	5.46	371	654	146	3874	< 0.01	574.0
c1-398	2.57	48.4	152	23.0	425	2.26	27.1	5.55	357	655	139	3905	< 0.01	575.5
c1-399	3.18	60.0	220	23.2	588	1.91	33.3	5.88	357	620	136	3626	< 0.01	576.9
c1-400	3.19	44.1	168	32.3	281	2.49	29.8	5.39	382	627	146	3828	< 0.01	578.4
c1-401	2.75	41.5	157	17.6	110	2.70	36.1	4.79	428	671	145	3971	< 0.01	579.8
c1-402	2.98	50.0	155	20.2	534	1.65	29.3	5.74	430	614	148	3874	< 0.01	581.3
c1-403	2.72	53.8	174	20.3	467	1.92	45.9	5.63	430	615	140	3784	< 0.01	582.7
c1-404	3.12	47.4	158	26.0	331	2.22	35.5	5.49	437	659	143	3870	< 0.01	584.2
c1-405	2.94	50.3	159	15.2	553	1.58	43.0	5.24	405	653	144	3975	< 0.01	585.6
c1-406	3.51	46.7	157	23.7	466	2.10	40.7	4.72	422	649	142	3804	< 0.01	587.1
c1-407	2.01	51.9	149	28.9	490	1.87	29.7	4.55	469	647	142	3730	< 0.01	588.5

c1-408	3.14	51.6	160	24.5	180	1.97	29.4	5.18	-	646	147	3702	< 0.01	590.0
c1-409	3.12	-	162	25.5	559	1.92	27.4	4.74	-	665	141	3922	< 0.01	591.4
c1-410	3.83	65.1	165	17.6	401	1.24	26.8	5.39	-	647	149	3848	< 0.01	592.9
c1-411	2.84	-	182	31.9	646	1.63	43.2	5.17	-	670	146	3959	< 0.01	594.3
c1-412	2.93	-	168	30.1	107	-	29.1	4.35	-	660	139	3769	< 0.01	595.8
c1-413	4.10	-	188	24.6	220	1.82	25.9	5.35	-	689	146	3953	< 0.01	597.2
c1-414	3.01	-	184	25.0	395	-	33.6	4.14	-	652	139	3911	< 0.01	598.7
c1-415	3.34	-	171	18.9	392	-	34.3	5.11	-	640	139	3708	< 0.01	600.1
c1-416	3.85	-	183	20.7	225	2.25	25.3	5.24	-	672	153	4112	< 0.01	601.6
c1-417	3.08	-	171	12.2	323	2.48	33.6	5.15	-	636	142	3815	< 0.01	603.0
c1-418	4.16	-	161	23.8	-	2.58	29.1	5.51	-	627	140	3907	< 0.01	604.5
c1-419	2.35	-	167	27.1	354	2.38	30.0	5.43	-	632	140	3723	< 0.01	605.9
c1-420	3.06	-	168	28.5	289	-	34.8	4.90	471	662	137	3954	< 0.01	607.4
c1-421	3.39	61.9	164	26.7	256	1.82	30.0	3.67	434	643	145	4019	< 0.01	608.8
c1-422	3.91	58.2	148	26.0	-	2.50	26.6	5.35	394	652	137	3929	< 0.01	610.3
c1-423	3.01	46.8	166	30.8	327	1.94	32.9	5.10	367	666	139	3795	< 0.01	611.7
c1-424	3.41	45.4	185	17.3	431	2.17	31.5	4.72	337	647	147	3801	< 0.01	613.2
c1-425	3.69	51.1	182	23.2	562	2.06	29.9	5.46	310	617	143	3731	< 0.01	614.6
c1-426	2.23	51.1	170	14.9	386	2.85	36.8	4.82	323	631	134	3845	< 0.01	616.1
c1-427	3.16	50.1	155	28.0	216	2.99	17.2	5.63	306	622	137	3787	< 0.01	617.5
c1-428	2.93	38.2	183	28.5	224	1.46	32.6	5.82	309	653	142	3859	< 0.01	619.0
c1-429	2.26	53.9	182	18.3	325	2.37	30.7	5.87	295	627	145	3814	< 0.01	620.4
c1-430	2.43	49.1	-	24.5	149	1.33	27.2	5.69	334	647	144	3848	< 0.01	621.9
c1-431	2.94	45.5	195	12.3	396	1.61	24.4	5.00	299	628	146	3716	< 0.01	623.3
c1-432	2.33	68.1	177	6.6	496	2.51	38.2	5.71	314	620	144	3852	< 0.01	624.8
c1-433	2.78	55.6	194	31.2	536	2.79	49.8	5.34	344	644	140	3828	< 0.01	626.2
c1-434	2.19	52.6	189	24.8	435	2.12	26.7	6.96	316	656	141	3823	< 0.01	627.7
c1-435	2.12	64.4	187	12.8	290	1.68	21.4	5.56	342	621	140	3686	< 0.01	629.1
c1-436	2.65	50.2	179	21.2	288	1.92	32.6	5.68	342	641	144	3758	< 0.01	630.6
c1-437	2.41	52.7	238	19.7	499	2.40	31.3	5.84	322	629	140	3883	< 0.01	632.0
c1-438	2.48	50.9	215	21.2	139	1.85	27.4	6.75	344	640	141	3653	< 0.01	633.5
c1-439	2.92	57.8	178	12.1	310	1.96	37.1	6.16	297	611	139	3725	< 0.01	634.9
c1-440	2.55	-	185	21.7	433	1.99	29.6	4.80	306	664	150	3852	< 0.01	636.4
c1-441	2.68	41.0	187	33.0	315	1.31	46.7	4.34	292	626	138	3620	< 0.01	637.8
c1-442	2.57	34.4	169	23.8	390	3.13	39.2	5.08	273	617	141	3619	< 0.01	639.3
c1-443	2.48	50.9	183	26.8	261	1.66	43.3	5.61	339	671	149	3848	< 0.01	640.7
c1-444	2.88	47.9	191	20.5	398	1.99	29.7	5.19	318	648	143	3795	< 0.01	642.2
c1-445	2.48	52.1	169	21.7	469	1.99	25.5	5.01	331	633	145	3732	< 0.01	643.6

c1-446	2.69	67.6	174	29.6	185	2.49	35.6	5.90	312	650	142	3867	< 0.01	645.1
c1-447	2.51	58.1	205	23.5	339	1.75	25.6	5.40	344	655	147	3919	< 0.01	646.5
c1-448	2.75	56.0	195	19.9	502	1.60	35.6	5.41	323	632	147	3723	< 0.01	648.0
c1-449	2.24	52.1	175	36.2	247	1.45	35.0	5.32	320	622	139	3766	< 0.01	649.4
c1-450	2.31	51.7	178	25.6	471	1.55	35.0	7.34	304	647	152	3761	< 0.01	650.9
c1-451	1.92	48.5	177	18.6	176	1.32	29.9	6.81	294	650	141	3571	< 0.01	652.3
c1-452	2.67	46.8	171	16.0	556	1.79	33.5	4.93	308	614	139	3644	< 0.01	653.8
c1-453	2.76	46.8	161	6.7	285	2.70	32.2	5.98	331	624	138	3769	< 0.01	655.2
c1-454	2.47	52.4	158	15.9	355	1.15	43.4	6.45	285	631	137	3766	< 0.01	656.7
c1-455	2.60	55.2	174	25.6	258	1.90	56.4	5.27	329	651	148	3785	< 0.01	658.1
c1-456	2.11	51.1	172	29.8	293	1.63	31.1	5.90	335	666	140	3904	< 0.01	659.6
c1-457	2.34	55.6	168	13.4	179	2.15	32.3	5.32	340	631	145	3668	< 0.01	661.0
c1-458	2.47	55.1	163	14.6	319	1.83	34.1	6.33	351	642	138	3754	< 0.01	662.5
c1-459	2.69	52.1	168	9.7	432	2.11	26.5	4.79	315	658	143	3678	< 0.01	663.9
c1-460	2.05	45.1	167	13.0	250	2.15	28.3	5.06	283	640	144	3756	< 0.01	665.4
c1-461	2.53	52.3	170	14.9	110	1.87	38.1	5.20	284	662	153	3965	< 0.01	666.8
c1-462	2.47	57.3	150	17.5	178	2.08	25.1	5.24	293	652	142	3796	< 0.01	668.3
c1-463	2.49	56.0	177	23.1	291	1.75	28.8	5.58	301	626	142	3916	< 0.01	669.7
c1-464	2.43	55.4	155	10.4	390	1.52	23.0	6.29	312	613	141	3786	< 0.01	671.2
c1-465	1.98	54.9	157	18.9	219	1.81	30.9	5.48	315	644	145	3811	< 0.01	672.6
c1-466	2.61	57.5	170	9.7	502	2.04	37.6	5.41	274	631	140	3721	< 0.01	674.1
c1-467	2.63	63.0	151	3.8	331	1.57	37.5	5.97	326	612	139	3706	< 0.01	675.5
c1-468	2.53	46.2	161	24.1	216	1.97	30.4	4.61	322	630	135	3703	< 0.01	677.0
c1-469	2.11	49.6	147	11.7	460	1.52	37.2	5.55	322	624	142	3714	< 0.01	678.4
c1-470	2.34	54.1	165	22.0	187	1.01	31.7	5.96	316	629	145	3770	< 0.01	679.9
c1-471	2.51	54.3	165	20.4	361	2.18	30.7	5.92	344	644	133	3819	< 0.01	681.3
c1-472	2.65	41.9	163	10.6	145	1.29	30.6	5.10	330	623	135	3658	< 0.01	682.8
c1-473	2.28	44.2	156	25.8	297	1.59	41.0	5.37	321	631	139	3783	< 0.01	684.2
c1-474	2.70	36.2	157	14.0	149	1.85	34.7	4.88	305	630	143	3641	< 0.01	685.7
c1-475	2.62	40.4	161	28.4	339	1.94	35.2	5.72	309	662	136	3827	< 0.01	687.1
c1-476	2.59	-	181	6.7	428	2.46	28.3	5.48	315	626	139	3645	< 0.01	688.6
c1-477	2.40	53.0	187	21.8	249	1.34	36.3	5.20	317	620	137	3664	< 0.01	690.0
c1-478	1.94	59.3	194	24.3	182	2.18	21.5	4.92	358	631	141	3783	< 0.01	691.5
c1-479	2.37	50.2	178	20.4	362	2.37	30.7	5.56	326	611	144	3685	< 0.01	692.9
c1-480	2.60	48.8	175	16.4	251	1.60	26.3	5.56	325	619	141	3589	< 0.01	694.4
c1-481	2.05	48.1	173	16.1	628	1.71	31.4	5.25	320	628	143	3679	< 0.01	695.8
c1-482	2.62	52.2	158	25.0	147	1.31	30.0	5.24	332	619	137	3561	< 0.01	697.3
c1-483	2.23	41.0	157	8.9	218	1.74	23.6	5.47	311	621	142	3665	< 0.01	698.7

c1-484	-	53.3	160	13.8	257	2.86	34.3	5.97	323	630	145	3740	< 0.01	700.2
c1-485	2.76	59.6	173	8.7	259	1.52	40.9	5.73	315	607	137	3765	< 0.01	701.6
c1-486	2.47	44.8	167	26.7	365	1.63	34.1	5.88	313	639	146	3692	< 0.01	703.1
c1-487	2.90	41.3	159	25.4	359	1.79	46.8	4.82	322	624	141	3526	< 0.01	704.5
c1-488	2.50	56.5	171	17.6	292	1.69	36.2	5.34	310	635	135	3577	< 0.01	706.0
c1-489	2.68	43.9	157	18.2	252	1.98	46.9	5.36	299	649	134	3781	< 0.01	707.4
c1-490	2.01	51.6	165	27.7	578	1.61	34.9	6.15	343	631	147	3720	< 0.01	708.9
c1-491	2.25	55.0	207	15.2	109	1.79	33.6	5.47	331	638	137	3688	< 0.01	710.3
c1-492	3.11	59.0	194	20.8	221	1.70	27.0	5.10	359	633	147	3711	< 0.01	711.8
c1-493	2.47	51.0	169	19.8	547	2.07	31.0	5.82	305	642	147	3763	< 0.01	713.2
c1-494	3.00	47.2	173	28.2	218	2.00	36.0	4.88	331	636	140	3706	< 0.01	714.7
c1-495	2.89	55.6	168	22.9	148	2.15	22.8	5.54	344	652	147	3838	< 0.01	716.1
c1-496	2.55	59.8	171	15.7	181	1.55	36.8	4.69	345	632	150	3732	< 0.01	717.6
c1-497	2.95	53.7	166	12.0	282	1.94	24.9	5.21	334	634	143	3717	< 0.01	719.0
c1-498	2.54	49.7	184	42.7	355	1.46	31.2	6.14	332	621	139	3665	< 0.01	720.5
c1-499	2.92	49.5	234	26.0	326	2.00	40.1	4.87	312	640	142	3884	< 0.01	721.9
c1-500	2.14	51.9	183	19.8	183	2.65	45.6	6.36	331	644	144	3882	< 0.01	723.4
c1-501	2.47	56.0	226	22.5	325	2.68	44.0	5.06	319	635	139	3640	< 0.01	724.8
c1-502	2.66	56.3	194	23.9	214	2.08	32.2	5.94	326	627	137	3530	< 0.01	726.2
c1-503	2.24	62.4	183	31.4	-	1.65	21.9	5.46	320	649	144	3795	< 0.01	727.7
c1-504	1.96	54.0	188	17.8	109	1.35	44.9	5.21	315	625	139	3633	< 0.01	729.1
c1-505	2.21	55.2	192	15.5	329	1.95	37.3	5.35	298	636	149	3618	< 0.01	730.6
c1-506	2.43	56.8	174	9.7	609	1.98	38.7	5.20	332	628	141	3806	< 0.01	732.0
c1-507	3.31	67.4	238	18.2	222	1.90	32.4	5.28	339	644	140	3652	< 0.01	733.5
c1-508	2.03	51.2	161	7.3	256	1.63	36.3	5.73	328	634	144	3738	< 0.01	734.9
c1-509	3.44	51.6	177	8.6	294	0.93	30.1	5.37	356	641	136	3836	< 0.01	736.4
c1-510	2.19	62.6	176	20.0	253	1.04	41.0	5.50	333	627	140	3679	< 0.01	737.8
c1-511	2.39	47.4	-	8.4	396	2.36	29.5	5.95	343	644	137	3694	< 0.01	739.3
c1-512	2.77	50.8	172	16.8	220	1.88	40.4	5.45	311	649	140	3797	< 0.01	740.7
c1-513	2.27	45.6	165	20.1	182	1.49	30.9	5.91	308	645	133	3681	< 0.01	742.2
c1-514	3.30	45.3	174	20.5	327	1.18	41.2	5.42	339	638	142	3829	< 0.01	743.6
c1-515	3.07	51.2	170	14.2	257	1.57	40.5	5.30	303	636	144	3671	< 0.01	745.1
c1-516	2.52	63.2	163	13.0	393	2.28	31.3	5.70	299	645	143	3730	< 0.01	746.5
c1-517	2.41	43.8	155	23.1	108	1.46	32.3	5.20	298	630	137	3631	< 0.01	748.0
c1-518	3.09	44.4	170	16.7	328	1.88	29.9	5.06	267	637	151	3737	< 0.01	749.4
c1-519	2.93	61.5	187	27.4	291	2.07	31.9	4.78	315	646	141	3696	< 0.01	750.9
c1-520	2.23	47.1	179	6.3	-	2.21	34.3	5.42	301	640	135	3686	< 0.01	752.3
c1-521	2.71	55.5	192	20.4	178	2.45	26.0	5.91	305	626	143	3569	< 0.01	753.8

c1-522	1.91	56.6	193	30.0	110	1.50	34.0	6.34	329	658	142	3845	< 0.01	755.2
c1-523	2.50	59.6	210	8.5	292	1.62	28.9	6.08	354	636	138	3747	< 0.01	756.7
c1-524	2.03	58.6	224	19.9	403	2.02	29.1	5.69	352	693	145	3865	< 0.01	758.1
c1-525	2.50	52.8	205	20.4	475	1.57	35.6	5.72	309	600	132	3546	< 0.01	759.6
c1-526	2.50	63.7	238	15.4	284	1.39	31.1	5.76	310	655	140	3619	< 0.01	761.0
c1-527	2.34	55.3	205	27.0	520	1.73	45.3	5.02	333	607	142	3693	< 0.01	762.5
c1-528	2.15	49.0	204	26.8	-	1.78	44.0	4.63	316	611	141	3632	< 0.01	763.9
c1-529	1.96	52.1	198	22.9	142	1.64	40.2	4.76	270	659	143	3662	< 0.01	765.4
c1-530	1.99	59.3	182	12.6	465	1.97	22.2	5.34	315	636	139	3630	< 0.01	766.8
c1-531	2.53	38.8	181	14.1	248	2.13	28.0	3.86	307	615	141	3564	< 0.01	768.3
c1-532	2.58	55.1	186	8.8	264	2.14	35.2	5.17	315	655	144	3682	< 0.01	769.7
c1-533	2.28	49.4	169	17.0	223	2.11	25.2	5.37	318	618	142	3712	< 0.01	771.2
c1-534	2.62	56.6	163	18.5	147	1.38	29.0	5.84	312	644	140	3784	< 0.01	772.6
c1-535	2.91	53.4	183	20.3	176	1.93	27.8	5.03	296	632	142	3683	< 0.01	774.1
c1-536	2.15	60.4	169	11.1	489	1.62	33.7	5.17	314	650	136	3780	< 0.01	775.5
c1-537	2.64	55.9	176	16.8	279	2.04	33.6	5.61	314	633	141	3729	< 0.01	777.0
c1-538	3.27	59.4	179	18.2	-	1.29	41.9	5.75	276	654	141	3622	< 0.01	778.4
c1-539	2.24	51.9	163	7.4	212	1.88	34.0	5.16	301	620	136	3601	< 0.01	779.9
c1-540	2.17	43.6	183	12.9	177	1.94	38.1	5.53	279	622	139	3610	< 0.01	781.3
c1-541	2.83	63.7	183	28.7	332	1.45	46.0	5.83	335	645	145	3748	< 0.01	782.8
c1-542	2.49	55.2	172	21.4	364	1.68	58.9	5.15	342	669	140	3831	< 0.01	784.2
c1-543	2.14	53.8	155	23.8	460	2.32	38.1	5.75	342	623	142	3685	< 0.01	785.7
c1-544	2.95	59.8	164	17.0	407	2.29	37.7	6.17	366	645	140	3717	< 0.01	787.1
c1-545	2.88	52.6	161	20.8	289	2.05	36.8	4.53	337	626	136	3561	< 0.01	788.6
c1-546	2.80	58.0	148	15.3	247	1.81	33.9	4.57	330	642	138	3539	< 0.01	790.0
c1-547	2.31	42.6	159	19.4	394	1.66	29.4	6.04	371	623	135	3730	< 0.01	791.5
c1-548	2.73	55.9	162	27.3	285	1.71	42.4	6.73	390	633	145	3616	< 0.01	792.9
c1-549	2.42	50.6	243	16.7	110	2.07	41.3	6.34	392	631	150	3679	< 0.01	794.4
c1-550	1.88	48.8	164	12.0	281	2.06	40.8	6.22	346	650	138	3600	< 0.01	795.8
c1-551	2.98	58.4	162	16.6	433	2.62	38.9	5.76	385	650	147	3814	< 0.01	797.3
c1-552	2.69	66.0	176	26.3	320	1.83	22.0	5.87	363	632	151	3702	< 0.01	798.7
c1-553	2.20	50.8	170	24.5	317	0.96	35.0	6.30	354	629	143	3656	< 0.01	800.2
c1-554	2.02	55.8	167	26.1	242	1.96	50.1	6.54	398	627	140	3980	< 0.01	801.6
c1-555	2.15	59.5	192	16.6	217	1.10	33.7	5.70	346	649	149	3732	< 0.01	803.1
c1-556	2.62	53.0	217	30.1	576	1.98	23.4	5.48	328	626	148	3678	< 0.01	804.5
c1-557	2.23	57.8	169	11.7	185	1.77	40.7	6.52	354	660	147	3738	< 0.01	806.0
c1-558	2.60	53.7	164	20.5	182	2.57	45.2	5.46	313	632	152	3660	< 0.01	807.4
c1-559	2.37	58.6	157	11.9	254	2.44	29.7	5.82	296	625	135	3647	< 0.01	808.9

c1-560	3.16	60.0	151	22.5	288	1.92	42.9	6.12	338	626	139	3587	< 0.01	810.3
c1-561	3.07	54.5	162	27.7	208	1.36	40.2	4.54	329	618	140	3687	< 0.01	811.8
c1-562	3.03	45.0	172	17.7	465	1.60	32.4	5.18	340	634	132	3482	< 0.01	813.2
c1-563	3.22	57.5	168	30.7	403	1.57	38.4	5.68	332	647	146	3774	< 0.01	814.7
c1-564	2.37	57.9	152	15.8	145	1.30	45.2	5.61	331	645	141	3713	< 0.01	816.1
c1-565	2.24	52.7	146	27.5	394	1.54	49.9	3.97	303	618	138	3686	< 0.01	817.6
c1-566	2.41	47.3	153	19.5	148	2.15	39.6	5.42	288	611	139	3743	< 0.01	819.0
c1-567	2.38	56.2	160	20.1	364	2.32	26.7	5.32	321	621	151	3658	< 0.01	820.5
c1-568	2.25	56.4	187	40.9	292	1.95	38.3	6.04	338	635	145	3763	< 0.01	821.9
c1-569	2.52	45.4	145	26.4	362	1.68	36.9	6.20	327	641	151	3773	< 0.01	823.4
c1-570	2.84	51.5	153	23.1	428	1.53	40.5	6.54	351	621	140	3686	< 0.01	824.8
c1-571	2.59	51.1	143	21.3	109	1.74	33.8	5.76	338	632	135	3569	< 0.01	826.3
c1-572	3.38	59.6	146	18.8	261	1.72	29.5	5.38	342	667	147	3639	< 0.01	827.7
c1-573	2.23	53.3	148	25.2	368	2.54	36.5	5.44	325	636	148	3795	< 0.01	829.2
c1-574	2.95	58.8	139	13.9	278	1.85	48.4	5.03	283	599	137	3433	< 0.01	830.6
c1-575	2.15	58.0	140	17.1	107	1.77	36.2	5.71	312	615	140	3610	< 0.01	832.1
c1-576	3.21	47.5	147	13.7	292	2.14	27.9	5.39	326	619	144	3789	< 0.01	833.5
c1-577	3.11	55.9	138	25.3	394	2.60	36.6	5.77	328	655	141	3741	< 0.01	835.0
c1-578	2.50	40.0	133	17.1	213	2.14	40.2	5.23	321	643	141	3701	< 0.01	836.4
c1-579	2.69	47.9	141	12.7	145	1.98	39.8	5.74	294	627	143	3638	< 0.01	837.9
c1-580	2.15	48.8	143	23.1	106	1.81	37.7	5.38	282	631	137	3612	< 0.01	839.3
c1-581	2.31	45.2	153	19.5	282	1.45	46.0	5.47	304	606	143	3522	< 0.01	840.8
c1-582	2.55	50.4	138	23.4	361	1.61	36.8	5.01	308	619	139	3575	< 0.01	842.2
c1-583	2.67	61.2	140	19.6	218	2.06	56.6	4.50	262	644	145	3600	< 0.01	843.7
c1-584	2.49	52.2	154	15.1	393	1.97	34.4	5.12	295	633	142	3598	< 0.01	845.1
c1-585	2.84	48.0	155	13.3	-	1.44	38.3	6.20	323	649	144	3661	< 0.01	846.6
c1-586	2.78	45.8	178	18.5	210	1.68	38.6	5.72	308	608	134	3491	< 0.01	848.0
c1-587	3.62	46.4	200	25.3	185	2.04	33.5	6.66	350	627	141	3615	< 0.01	849.5
c1-588	3.44	67.2	178	23.9	146	2.31	22.5	5.62	305	650	137	3687	< 0.01	850.9
c1-589	2.92	60.1	191	21.3	217	1.86	41.0	5.93	363	636	142	3645	< 0.01	852.4
c1-590	2.63	58.9	187	16.9	514	2.15	39.6	6.24	385	636	146	3748	< 0.01	853.8
c1-591	2.93	54.5	205	29.1	552	1.58	44.9	5.82	365	647	139	3788	< 0.01	855.3
c1-592	2.62	48.7	176	17.6	356	1.59	42.4	6.25	399	633	145	3481	< 0.01	856.7
c1-593	2.03	56.1	180	26.7	283	1.83	44.2	5.33	369	615	137	3549	< 0.01	858.2
c1-594	2.74	44.3	171	23.3	367	2.41	30.1	6.34	375	630	141	3699	< 0.01	859.6
c1-595	3.29	55.0	159	16.8	330	1.89	33.2	5.46	350	618	146	3700	< 0.01	861.1
c1-596	3.16	51.7	146	15.9	-	1.34	39.4	5.31	313	635	145	3569	< 0.01	862.5
c1-597	2.53	62.0	145	29.5	215	1.41	30.4	6.29	343	636	142	3747	< 0.01	864.0

c1-598	3.14	43.2	157	27.4	251	1.47	-	6.34	321	651	140	3792	< 0.01	865.4
c1-599	2.67	51.2	161	23.6	251	1.85	36.5	5.60	307	631	147	3746	< 0.01	866.9
c1-600	2.61	52.7	163	24.0	104	2.38	53.0	5.86	300	603	134	3567	< 0.01	868.3
c1-601	3.58	67.9	178	16.3	284	2.01	51.3	6.34	279	624	139	3771	< 0.01	869.8
c1-602	3.06	54.1	174	33.3	578	2.24	30.7	6.04	304	647	142	3684	< 0.01	871.2
c1-603	2.71	55.8	195	28.7	182	1.81	43.3	5.42	309	646	143	3632	< 0.01	872.7
c1-604	2.99	48.9	173	24.0	108	1.97	42.6	5.28	282	653	144	3716	< 0.01	874.1
c1-605	2.95	64.6	204	28.2	286	2.03	45.6	6.53	269	644	139	3547	< 0.01	875.6
c1-606	2.62	57.0	176	25.6	141	2.05	45.8	3.78	305	641	139	3618	< 0.01	877.0
c1-607	2.35	63.8	175	20.3	247	1.33	44.0	4.79	329	630	139	3525	< 0.01	878.5
c1-608	2.50	54.9	-	17.6	401	2.20	39.3	6.09	309	669	149	3778	< 0.01	879.9
c1-609	2.34	-	179	11.9	434	2.31	51.4	5.88	326	634	139	3735	< 0.01	881.4
c1-610	2.09	44.5	181	26.1	333	1.65	41.9	6.00	338	649	145	3982	< 0.01	882.8
c1-611	2.49	65.9	179	27.0	353	1.57	39.0	6.20	329	632	139	3452	< 0.01	884.3
c1-612	2.47	41.2	192	21.3	178	2.14	28.2	5.62	327	633	139	3587	< 0.01	885.7
c1-613	3.31	63.3	219	32.3	433	2.55	34.7	5.22	350	635	137	3465	< 0.01	887.2
c1-614	2.38	59.6	202	32.0	434	1.62	39.0	6.10	379	648	143	3599	< 0.01	888.6
c1-615	2.64	55.0	208	19.2	182	2.00	41.2	6.17	354	633	134	3621	< 0.01	890.1
c1-616	2.89	61.9	184	33.7	264	1.35	43.8	6.06	377	646	154	3825	< 0.01	891.5
c1-617	2.26	42.1	176	23.5	420	2.17	37.7	5.64	341	635	137	3688	< 0.01	893.0
c1-618	3.16	50.3	173	23.8	324	2.30	52.2	5.21	341	668	145	3808	< 0.01	894.4
c1-619	2.50	52.9	161	15.4	172	2.13	38.0	5.13	341	612	136	3502	< 0.01	895.9
c1-620	2.07	68.9	172	24.2	142	1.89	52.3	5.44	309	644	148	3574	< 0.01	897.3
c1-621	2.26	55.6	188	34.7	184	2.60	43.8	6.57	345	639	145	3785	< 0.01	898.8
c1-622	2.44	51.4	198	24.2	-	1.95	49.9	6.28	333	641	139	3789	< 0.01	900.2
c1-623	2.93	60.8	189	12.2	359	1.97	47.8	6.73	367	646	134	3571	< 0.01	901.7
c1-624	2.59	58.8	180	32.4	362	2.18	33.8	6.20	361	639	145	3715	< 0.01	903.1
c1-625	2.37	59.3	170	27.3	-	1.90	31.3	5.21	374	666	149	3771	< 0.01	904.6
c1-626	2.34	53.9	165	17.7	179	2.47	45.7	5.28	347	679	138	3788	< 0.01	906.0
c1-627	2.79	51.6	170	32.7	426	2.08	40.3	5.98	356	625	143	3780	< 0.01	907.4
c1-628	3.00	65.3	162	23.9	-	1.80	36.7	5.73	339	623	135	3411	< 0.01	908.9
c1-629	2.47	56.4	156	23.6	345	2.32	41.1	5.30	321	626	140	3454	< 0.01	910.3
c1-630	2.93	52.6	170	32.2	178	2.63	35.1	6.80	293	646	143	3647	< 0.01	911.8
c1-631	2.89	52.3	160	29.0	476	1.51	36.4	6.83	317	634	150	3670	< 0.01	913.2
c1-632	2.97	59.4	165	24.0	183	1.81	37.1	5.91	317	638	143	3945	< 0.01	914.7
c1-633	2.68	54.6	171	29.6	566	0.90	40.2	5.65	335	600	141	3626	< 0.01	916.1
c1-634	2.45	64.6	209	24.0	250	2.78	37.5	5.33	334	633	139	3614	< 0.01	917.6
c1-635	2.75	50.0	201	20.0	389	1.76	57.3	5.38	309	627	132	3528	< 0.01	919.0

c1-636	3.11	44.7	194	17.7	252	1.98	45.8	6.15	337	629	142	3528	< 0.01	920.5
c1-637	2.95	57.6	175	24.6	402	1.76	44.7	5.57	370	632	142	3607	< 0.01	921.9
c1-638	2.98	49.1	-	20.6	427	1.46	40.4	6.16	353	623	149	3671	< 0.01	923.4
c1-639	2.88	66.0	193	26.0	250	2.02	39.4	5.26	358	641	136	3559	< 0.01	924.8
c1-640	2.32	55.7	-	29.6	390	1.83	58.4	6.28	365	626	138	3786	< 0.01	926.3
c1-641	3.61	-	-	25.2	176	2.17	45.7	7.14	357	640	134	3510	< 0.01	927.7
c1-642	2.67	62.2	231	14.5	212	2.43	59.1	5.88	374	624	134	3449	< 0.01	929.2
c1-643	2.72	56.2	-	25.4	216	1.86	40.8	5.69	380	638	142	3522	< 0.01	930.6
c1-644	2.80	59.3	232	33.6	288	1.86	56.3	5.85	389	634	142	3610	< 0.01	932.1
c1-645	3.31	56.0	218	30.6	360	2.05	48.0	5.90	-	632	140	3599	< 0.01	933.5
c1-646	2.42	65.3	230	32.0	451	1.49	50.3	6.16	-	605	134	3517	< 0.01	935.0
c1-647	2.62	67.2	219	36.0	249	2.39	38.3	5.98	-	624	149	3586	< 0.01	936.4
c1-648	2.84	49.9	218	28.0	275	1.53	53.7	5.49	-	628	139	3541	< 0.01	937.9
c1-649	3.42	64.2	193	29.4	214	2.21	45.6	5.43	-	630	151	3709	< 0.01	939.3
c1-650	2.48	63.5	194	31.5	325	1.42	54.4	6.46	-	648	142	3615	< 0.01	940.8
c1-651	2.91	47.7	156	11.9	361	1.86	46.1	5.49	-	628	146	3646	< 0.01	942.2
c1-652	2.81	59.4	168	35.4	297	1.91	49.5	6.19	-	645	140	3587	< 0.01	943.7
c1-653	3.11	48.6	148	21.1	251	1.66	39.6	5.03	394	623	135	3456	< 0.01	945.1
c1-654	2.56	55.2	152	33.7	398	2.37	48.3	5.56	381	632	148	3657	< 0.01	946.6
c1-655	2.98	55.4	138	28.9	109	1.29	32.7	6.07	-	647	146	3734	< 0.01	948.0
c1-656	2.87	60.2	144	20.1	382	1.67	32.5	4.67	-	629	136	3487	< 0.01	949.5
c1-657	3.84	52.6	159	15.9	-	1.96	51.5	5.25	-	633	139	3603	< 0.01	950.9
c1-658	3.13	45.4	138	45.1	361	1.55	46.1	4.74	-	668	140	3590	< 0.01	952.4
c1-659	2.53	53.7	134	31.7	110	1.81	46.5	4.62	-	655	142	3681	< 0.01	953.8
c1-660	2.70	51.7	126	25.2	321	1.96	53.7	4.74	-	631	138	3420	< 0.01	955.3
c1-661	3.53	60.3	119	37.0	396	2.17	40.9	3.99	-	625	143	3586	< 0.01	956.7
c1-662	2.82	65.9	130	17.9	354	2.75	32.1	5.02	-	644	141	3543	< 0.01	958.2
c1-663	2.52	67.2	148	32.5	393	2.22	47.7	5.44	-	644	145	3555	< 0.01	959.6
c1-664	2.65	-	166	25.0	216	1.92	46.0	5.16	-	645	144	3578	< 0.01	961.1
c1-665	3.32	60.2	-	16.8	293	1.25	53.0	5.62	398	637	143	3767	< 0.01	962.5
c1-666	2.33	-	171	17.0	482	1.90	45.0	5.34	365	598	135	3421	< 0.01	964.0
c1-667	3.11	47.1	159	26.6	444	2.00	49.6	5.61	321	615	135	3356	< 0.01	965.4
c1-668	2.57	55.0	196	13.9	466	2.22	36.6	5.82	342	635	133	3437	< 0.01	966.9
c1-669	2.58	45.4	161	31.4	220	2.27	46.7	3.94	290	651	149	3480	< 0.01	968.3
c1-670	2.72	52.7	155	16.5	-	2.42	46.2	6.33	290	650	148	3634	< 0.01	969.8
c1-671	2.67	46.0	143	31.2	110	1.55	46.3	5.25	292	648	144	3684	< 0.01	971.2
c1-672	2.90	39.7	150	26.6	183	2.20	43.4	5.43	271	639	142	3481	< 0.01	972.7
c1-673	2.12	45.9	142	33.2	570	1.71	44.5	6.11	292	626	128	3463	< 0.01	974.1

c1-674	2.93	45.0	147	32.1	283	1.89	57.3	5.64	278	627	143	3598	< 0.01	975.6
c1-675	3.22	52.0	185	21.5	645	2.48	31.5	5.14	275	621	155	3449	< 0.01	977.0
c1-676	2.09	44.8	169	19.4	501	1.41	46.8	6.88	290	636	142	3552	< 0.01	978.5
c1-677	2.91	43.6	162	26.1	141	1.63	41.9	6.02	286	635	139	3432	< 0.01	979.9
c1-678	3.11	49.5	145	25.2	525	1.44	42.7	6.00	301	608	137	3521	< 0.01	981.4
c1-679	2.21	61.3	163	21.0	-	2.30	32.6	6.69	299	659	145	3683	< 0.01	982.8
c1-680	2.65	45.4	147	29.7	180	1.98	38.7	6.16	260	628	144	3557	< 0.01	984.3
c1-681	2.22	45.6	141	15.1	-	2.22	52.2	6.84	285	630	144	3652	< 0.01	985.7
c1-682	2.77	48.2	142	31.9	220	1.95	38.4	6.05	294	645	140	3495	< 0.01	987.2
c1-683	2.58	42.9	132	27.1	220	1.56	63.3	6.80	298	657	147	3719	< 0.01	988.6
c1-684	3.12	43.1	136	24.1	313	1.97	47.3	5.38	310	624	136	3449	< 0.01	990.1
c1-685	3.33	54.2	141	18.1	-	1.66	42.7	6.67	306	642	147	3543	< 0.01	991.5
c1-686	3.58	51.8	139	17.6	213	1.15	50.4	6.08	321	633	141	3558	< 0.01	993.0
c1-687	2.64	58.0	168	-	323	1.54	52.0	6.84	309	648	141	3485	< 0.01	994.4
c1-688	2.61	-	247	22.5	503	2.04	47.0	6.59	305	639	142	3525	< 0.01	995.9
c1-689	2.44	-	-	26.3	468	1.86	59.4	6.12	351	647	147	3584	< 0.01	997.3
c1-690	2.73	-	-	-	479	1.77	-	7.49	388	613	146	3411	< 0.01	998.8
c1-691	2.37	-	-	-	-	1.40	-	7.15	-	645	146	3499	< 0.01	1000.2
c1-692	2.82	-	-	-	-	2.01	-	7.68	-	656	149	3844	< 0.01	1001.7
c1-693	3.01	-	-	-	-	2.05	-	8.34	-	664	151	-	< 0.01	1003.1
c1-694	2.37	-	-	-	-	2.35	-	6.01	-	640	146	-	< 0.01	1004.6
c1-695	2.30	-	-	-	-	2.25	56.3	8.04	-	-	-	3458	< 0.01	1006.0
c1-696	-	-	-	-	-	1.48	-	7.86	-	768	-	3575	< 0.01	1007.5
c1-697	3.21	-	-	-	-	1.83	-	7.62	-	-	-	3581	< 0.01	1008.9
c1-698	-	-	-	-	-	1.92	-	7.77	399	-	-	3888	< 0.01	1010.4
c1-699	-	-	-	-	-	1.88	-	7.80	369	-	-	3884	< 0.01	1011.8
c1-700	-	-	-	-	-	2.13	56.0	7.54	386	-	-	-	< 0.01	1013.3
c1-701	3.33	-	-	28.2	-	2.05	50.5	8.41	-	704	-	3972	< 0.01	1014.7
c1-702	3.34	-	-	-	-	1.99	47.7	8.34	389	573	144	3834	< 0.01	1016.2
c1-703	2.39	-	-	-	-	1.72	60.0	7.74	369	-	-	3705	< 0.01	1017.6
c1-704	2.24	-	-	-	-	1.39	53.9	7.02	-	-	-	3809	< 0.01	1019.1
c1-705	-	-	234	-	-	2.01	46.3	6.34	381	-	-	3780	< 0.01	1020.5
c1-706	-	-	-	-	-	2.12	52.9	6.87	380	-	-	3677	< 0.01	1022.0
c1-707	-	-	-	-	-	1.72	-	6.24	-	-	-	3779	< 0.01	1023.4
c1-708	2.46	-	-	-	-	2.28	-	7.84	-	-	141	3858	< 0.01	1024.9
c1-709	2.49	-	-	-	-	2.27	63.3	6.79	-	666	-	3966	< 0.01	1026.3
c1-710	2.90	-	249	-	-	2.79	-	6.12	-	691	-	3935	< 0.01	1027.8
c1-711	-	-	223	-	-	1.82	46.0	6.99	-	737	-	-	< 0.01	1029.2

c1-712	-	-	210	-	-	2.03	54.8	6.06	-	724	-	3771	< 0.01	1030.7
c1-713	3.39	-	182	-	-	2.29	61.8	6.06	-	719	-	3692	< 0.01	1032.1
c1-714	-	-	164	-	-	2.28	-	5.29	-	718	-	3648	< 0.01	1033.6
c1-715	-	-	143	29.8	-	1.95	58.4	5.41	-	698	-	3545	< 0.01	1035.0
c1-716	-	-	119	-	-	1.77	51.6	6.13	395	662	146	3454	< 0.01	1036.5
c1-717	3.14	-	130	21.4	-	1.25	50.6	5.92	390	642	145	3485	< 0.01	1037.9
c1-718	2.98	-	126	15.6	-	2.00	45.2	4.61	355	646	139	3399	< 0.01	1039.4
c1-719	2.65	-	218	-	681	1.76	44.6	5.04	375	659	140	3448	< 0.01	1040.8
c1-720	2.47	-	110	20.7	516	2.08	51.9	5.75	324	665	142	3605	< 0.01	1042.3
c1-721	2.20	63.0	124	29.5	393	1.60	44.7	6.18	331	666	144	3513	< 0.01	1043.7
c1-722	3.38	66.9	134	22.0	599	1.76	50.1	6.68	282	633	147	3627	< 0.01	1045.2
c1-723	-	64.3	143	29.2	487	1.74	45.5	5.56	292	626	149	3422	< 0.01	1046.6
c1-724	2.96	44.9	123	10.5	448	1.36	49.0	4.89	260	631	134	3416	< 0.01	1048.1
c1-725	1.85	45.7	125	23.7	282	1.70	52.1	6.36	272	632	143	3368	< 0.01	1049.5
c1-726	2.96	61.8	126	30.4	283	1.82	39.0	5.63	281	628	143	3600	< 0.01	1051.0
c1-727	1.70	59.0	124	15.6	216	2.10	51.9	6.30	294	648	145	3516	< 0.01	1052.4
c1-728	2.81	57.2	133	22.6	453	1.86	49.5	6.28	273	632	139	3429	< 0.01	1053.9
c1-729	2.71	51.9	144	29.9	399	2.38	52.6	7.34	311	662	143	3605	< 0.01	1055.3
c1-730	2.26	57.3	133	21.0	427	1.84	38.4	7.00	319	602	144	3392	< 0.01	1056.8
c1-731	2.77	49.0	140	21.6	527	1.82	37.9	7.07	326	623	142	3382	< 0.01	1058.2
c1-732	2.51	56.3	146	15.5	391	1.65	48.5	5.57	326	634	141	3452	< 0.01	1059.7
c1-733	2.79	65.5	195	26.6	394	2.10	47.8	5.83	314	642	142	3594	< 0.01	1061.1
c1-734	3.00	54.4	173	39.3	471	1.93	51.5	6.05	293	641	153	3574	< 0.01	1062.6
c1-735	3.20	58.0	194	32.9	310	1.78	47.0	6.11	278	606	151	3391	< 0.01	1064.0
c1-736	2.08	54.8	176	24.8	-	1.74	36.7	5.69	265	642	145	3301	< 0.01	1065.5
c1-737	2.23	60.0	180	34.4	391	1.34	40.4	6.10	294	606	141	3504	< 0.01	1066.9
c1-738	3.36	47.5	164	17.4	664	2.04	48.3	5.62	288	639	145	3467	< 0.01	1068.4
c1-739	3.11	54.4	154	10.7	399	2.00	50.5	7.07	276	624	138	3453	< 0.01	1069.8
c1-740	2.66	50.4	154	17.2	220	1.76	59.3	6.11	290	649	151	3421	< 0.01	1071.3
c1-741	2.28	41.3	145	24.5	251	1.35	50.8	5.66	260	644	137	3300	< 0.01	1072.7
c1-742	2.45	49.6	149	12.2	392	1.90	38.4	5.95	288	650	146	3548	< 0.01	1074.2
c1-743	2.62	39.7	138	28.5	107	1.77	55.5	6.72	266	646	138	3386	< 0.01	1075.6
c1-744	2.56	40.7	140	30.4	251	2.10	54.9	5.71	281	636	142	3583	< 0.01	1077.1
c1-745	3.23	56.0	146	16.5	324	1.23	42.9	6.48	260	631	144	3592	< 0.01	1078.5
c1-746	2.81	50.2	160	17.3	189	1.74	50.2	6.00	295	673	146	3600	< 0.01	1080.0
c1-747	3.00	53.7	153	31.7	394	2.16	55.0	6.04	268	644	141	3416	< 0.01	1081.4
c1-748	2.72	55.0	184	31.0	438	2.07	44.5	7.12	297	646	146	3421	< 0.01	1082.9
c1-749	2.48	51.6	239	18.3	326	2.24	58.6	6.52	323	643	142	3422	< 0.01	1084.3

c1-750	2.52	-	178	32.1	507	1.81	70.1	5.47	348	618	149	3423	< 0.01	1085.8
c1-751	2.92	69.5	183	14.7	366	1.63	58.3	6.66	299	639	149	3505	< 0.01	1087.2
c1-752	2.48	60.4	177	28.5	403	1.57	57.3	5.74	322	629	147	3713	< 0.01	1088.6
c1-753	3.04	55.6	184	20.8	347	2.09	52.2	6.30	343	615	137	3548	< 0.01	1090.1
c1-754	2.86	46.7	201	36.8	496	2.08	45.3	6.76	366	626	142	3381	< 0.01	1091.5
c1-755	2.24	56.8	169	34.7	381	1.61	56.1	5.43	374	634	139	3401	< 0.01	1093.0
c1-756	3.09	57.3	193	26.9	553	-	50.3	5.94	375	648	143	3591	< 0.01	1094.4
c1-757	2.38	43.0	208	24.0	291	2.13	49.6	5.48	319	643	143	3465	< 0.01	1095.9
c1-758	2.23	62.4	182	26.9	-	-	53.7	6.74	316	607	144	3480	< 0.01	1097.3
c1-759	3.17	51.9	165	20.2	286	-	55.9	6.02	291	625	140	3512	< 0.01	1098.8
c1-760	1.76	52.4	159	14.0	384	-	45.6	5.99	313	625	141	3460	< 0.01	1100.2
c1-761	2.92	59.2	158	27.0	247	2.07	44.1	5.94	297	610	141	3511	< 0.01	1101.7
c1-762	2.18	48.8	167	40.7	360	1.48	43.9	7.01	295	643	144	3388	< 0.01	1103.1
c1-763	2.72	56.9	145	9.1	425	-	36.1	6.44	260	628	144	3451	< 0.01	1104.6
c1-764	2.01	60.8	150	27.3	250	1.84	46.6	5.85	300	655	138	3422	< 0.01	1106.0
c1-765	2.31	46.1	135	13.4	-	1.73	45.2	7.06	272	624	139	3277	< 0.01	1107.5
c1-766	2.54	56.0	150	19.1	396	1.98	44.0	6.97	278	635	145	3482	< 0.01	1108.9
c1-767	3.25	57.9	152	16.6	650	1.80	39.0	7.22	261	650	141	3555	< 0.01	1110.4
c1-768	2.47	58.7	191	21.6	288	1.54	66.4	6.74	277	654	141	3496	< 0.01	1111.8
c1-769	2.42	50.8	172	24.5	287	2.22	66.2	5.40	300	639	154	3362	< 0.01	1113.3
c1-770	2.49	55.2	189	21.8	435	1.68	71.2	6.64	314	654	136	3406	< 0.01	1114.7
c1-771	2.92	49.1	-	9.7	108	1.22	67.1	6.98	305	618	137	3398	< 0.01	1116.2
c1-772	2.77	65.1	207	24.2	403	2.08	43.7	6.28	299	643	147	3507	< 0.01	1117.6
c1-773	2.61	63.8	211	36.6	296	1.84	55.6	6.06	277	648	151	3545	< 0.01	1119.1
c1-774	2.48	50.4	191	28.2	362	1.61	49.4	6.04	287	632	143	3373	< 0.01	1120.5
c1-775	2.63	59.7	239	17.3	257	1.63	52.0	6.23	285	644	138	3447	< 0.01	1122.0
c1-776	3.72	62.7	197	18.0	292	1.12	62.2	5.44	318	642	143	3510	< 0.01	1123.4
c1-777	2.23	54.8	189	26.9	290	2.18	51.4	7.01	290	621	144	3412	< 0.01	1124.9
c1-778	2.99	47.2	162	20.9	326	2.12	47.3	5.83	276	624	137	3476	< 0.01	1126.3
c1-779	3.19	57.4	160	34.2	224	2.05	44.4	7.20	296	651	152	3465	< 0.01	1127.8
c1-780	2.87	56.0	156	13.2	599	2.72	59.6	6.14	278	647	140	3490	< 0.01	1129.2
c1-781	2.49	58.1	157	28.1	341	1.49	43.0	5.88	289	643	144	3536	< 0.01	1130.7
c1-782	2.87	51.6	167	17.6	375	2.13	55.3	6.48	269	679	149	3611	< 0.01	1132.1
c1-783	3.23	49.7	166	26.3	335	1.86	40.1	6.60	302	649	143	3596	< 0.01	1133.6
c1-784	2.77	60.7	155	20.8	289	1.74	64.7	5.92	311	636	143	3449	< 0.01	1135.0
c1-785	3.57	58.5	191	24.3	663	1.58	39.7	7.41	315	646	151	3597	< 0.01	1136.5
c1-786	2.95	60.7	224	28.8	365	2.90	44.5	7.17	322	651	135	3542	< 0.01	1137.9
c1-787	2.71	60.3	197	16.9	216	1.66	47.9	7.63	320	634	140	3426	< 0.01	1139.4

c1-788	2.78	66.2	216	11.6	318	2.07	55.2	6.47	296	624	146	3426	< 0.01	1140.8
c1-789	3.00	62.3	185	14.4	419	1.31	44.7	6.30	314	630	147	3341	< 0.01	1142.3
c1-790	2.50	69.6	190	21.1	402	2.07	39.4	6.15	282	626	140	3264	< 0.01	1143.7
c1-791	3.07	70.7	221	16.6	408	2.11	35.8	6.64	303	620	147	3463	< 0.01	1145.2
c1-792	3.07	-	224	47.9	724	2.06	-	7.18	276	611	135	3395	< 0.01	1146.6
c1-793	2.47	64.3	236	16.8	402	2.08	54.0	7.83	278	632	142	3475	< 0.01	1148.1
c1-794	2.94	66.0	181	27.5	395	1.60	53.1	5.89	276	630	141	3399	< 0.01	1149.5
c1-795	3.79	58.7	198	20.0	289	1.86	38.9	7.09	311	642	142	3379	< 0.01	1151.0
c1-796	3.04	62.1	173	20.9	399	1.36	53.6	6.11	273	634	143	3442	< 0.01	1152.4
c1-797	2.35	59.6	158	28.3	251	1.91	42.7	6.45	269	643	141	3395	< 0.01	1153.9
c1-798	2.76	56.1	148	18.6	431	2.04	45.9	7.48	278	633	145	3548	< 0.01	1155.3
c1-799	2.89	43.3	150	31.7	389	1.64	46.2	6.80	271	613	138	3382	< 0.01	1156.8
c1-800	3.15	50.8	155	16.0	258	1.38	50.1	6.62	288	635	138	3408	< 0.01	1158.2
c1-801	3.06	62.4	162	18.1	-	1.85	53.4	5.90	294	647	150	3526	< 0.01	1159.7
c1-802	2.61	46.3	179	16.7	110	1.56	38.2	6.46	291	613	141	3292	< 0.01	1161.1
c1-803	3.30	62.5	184	33.9	360	1.73	47.0	7.81	309	636	147	3666	< 0.01	1162.6
c1-804	2.66	47.4	167	28.5	392	2.27	-	6.94	323	640	141	3545	< 0.01	1164.0
c1-805	2.34	-	158	17.0	352	1.75	57.0	6.55	315	646	134	3343	< 0.01	1165.5
c1-806	3.29	48.4	172	24.0	281	1.44	47.8	6.95	291	629	134	3414	< 0.01	1166.9
c1-807	3.37	53.8	181	28.2	182	2.12	42.2	7.60	286	654	139	3398	< 0.01	1168.4
c1-808	2.49	50.9	172	25.6	254	2.50	67.0	7.12	317	650	140	3572	< 0.01	1169.8
c1-809	3.71	50.1	174	15.9	285	1.65	51.6	7.58	280	630	139	3208	< 0.01	1171.3
c1-810	2.45	54.8	157	33.5	240	1.76	54.4	6.21	273	640	129	3263	< 0.01	1172.7
c1-811	2.38	54.6	174	17.3	393	1.84	48.7	6.12	254	626	135	3378	< 0.01	1174.2
c1-812	2.29	55.6	207	36.4	484	2.18	35.9	6.49	284	638	138	3561	< 0.01	1175.6
c1-813	3.30	53.3	227	31.6	483	1.98	49.6	6.10	307	658	149	3402	< 0.01	1177.1
c1-814	2.65	65.9	-	25.2	406	1.78	61.9	7.80	310	637	143	3515	< 0.01	1178.5
c1-815	3.24	-	-	23.6	215	1.72	58.9	6.23	291	615	143	3239	< 0.01	1180.0
c1-816	3.75	59.6	225	28.3	151	1.94	53.3	5.71	311	650	147	3547	< 0.01	1181.4
c1-817	3.42	60.5	203	26.4	648	1.67	50.2	6.66	321	636	135	3414	< 0.01	1182.9
c1-818	3.60	62.5	209	14.8	325	2.30	52.2	6.60	315	643	142	3536	< 0.01	1184.3
c1-819	2.79	45.5	198	32.6	420	2.11	40.7	6.10	272	631	143	3285	< 0.01	1185.8
c1-820	2.78	53.0	194	22.9	331	1.45	57.4	5.76	294	660	138	3561	< 0.01	1187.2
c1-821	2.81	56.0	183	11.6	220	1.12	48.9	8.02	268	618	153	3517	< 0.01	1188.7
c1-822	3.25	50.7	185	20.7	144	1.85	56.9	6.66	310	634	134	3405	< 0.01	1190.1
c1-823	2.72	63.4	192	14.6	618	1.69	52.7	6.45	318	628	139	3318	< 0.01	1191.6
c1-824	2.63	58.3	242	30.3	182	2.12	50.4	6.31	299	657	141	3407	< 0.01	1193.0
c1-825	3.15	-	205	30.5	320	1.46	59.5	5.35	307	638	138	3327	< 0.01	1194.5

c1-826	3.10	61.9	170	25.9	245	2.65	42.6	6.03	294	618	133	3366	< 0.01	1195.9
c1-827	2.59	62.8	175	22.3	322	1.84	61.9	6.44	275	655	134	3440	< 0.01	1197.4
c1-828	3.12	61.8	182	9.4	437	1.62	47.6	7.59	296	632	145	3553	< 0.01	1198.8
c1-829	2.95	59.5	161	28.3	493	1.57	47.1	6.41	281	652	145	3565	< 0.01	1200.3
c1-830	2.89	54.8	213	21.7	318	1.82	55.3	5.43	273	634	146	3504	< 0.01	1201.7
c1-831	2.92	62.5	185	21.5	642	1.72	48.7	7.02	303	630	144	3317	< 0.01	1203.2
c1-832	2.22	54.7	-	28.1	398	2.05	63.7	6.19	301	626	146	3401	< 0.01	1204.6
c1-833	2.35	57.4	199	35.6	328	2.51	58.9	7.74	286	623	141	3387	< 0.01	1206.1
c1-834	2.21	65.8	186	22.3	147	2.14	36.2	5.82	290	604	147	3345	< 0.01	1207.5
c1-835	3.06	48.8	189	36.1	225	1.93	42.4	6.35	293	644	141	3393	< 0.01	1209.0
c1-836	2.72	52.8	180	27.2	417	2.42	50.6	7.11	-	663	146	3497	< 0.01	1210.4
c1-837	2.83	56.5	207	20.2	219	2.01	52.8	7.05	266	610	143	3272	< 0.01	1211.9
c1-838	3.10	60.6	168	35.8	290	1.93	54.4	7.53	328	627	141	3427	< 0.01	1213.3
c1-839	3.07	54.2	175	16.9	280	1.99	40.7	6.16	311	623	136	3402	< 0.01	1214.8
c1-840	2.69	55.2	228	21.2	139	2.21	45.3	6.45	333	584	139	3223	< 0.01	1216.2
c1-841	2.81	-	186	30.4	429	2.22	57.9	5.86	331	659	146	3482	< 0.01	1217.7
c1-842	3.18	58.3	196	32.5	507	1.61	51.4	7.81	345	627	144	3321	< 0.01	1219.1
c1-843	3.03	58.4	169	26.3	280	1.44	50.6	6.91	335	638	134	3279	< 0.01	1220.6
c1-844	3.25	55.4	186	13.6	398	1.93	59.6	7.26	304	650	141	3533	< 0.01	1222.0
c1-845	3.27	49.2	162	34.2	446	1.33	39.0	7.81	283	662	151	3479	< 0.01	1223.5
c1-846	2.89	55.6	164	26.1	471	1.81	47.4	6.06	264	628	147	3435	< 0.01	1224.9
c1-847	2.33	50.0	170	23.0	397	1.80	52.3	6.94	284	655	144	3389	< 0.01	1226.4
c1-848	2.93	43.2	180	33.4	280	1.38	45.7	6.21	308	612	137	3356	< 0.01	1227.8
c1-849	3.22	59.3	172	16.8	313	1.91	56.3	5.64	270	595	145	3560	< 0.01	1229.3
c1-850	3.25	69.5	199	16.4	215	1.66	35.5	7.15	267	622	142	3569	< 0.01	1230.7
c1-851	3.13	70.8	238	31.1	250	1.53	52.6	6.69	280	626	140	3375	< 0.01	1232.2
c1-852	2.84	55.4	-	24.0	215	1.97	49.7	6.59	308	621	141	3360	< 0.01	1233.6
c1-853	3.26	60.7	242	-	258	1.89	53.2	5.26	288	632	140	3489	< 0.01	1235.1
c1-854	2.93	68.0	-	-	319	1.95	58.4	6.55	250	621	144	3426	< 0.01	1236.5
c1-855	2.40	-	-	-	630	1.68	53.8	7.30	283	625	140	3362	< 0.01	1238.0
c1-856	2.51	68.6	-	-	273	1.94	50.4	6.40	317	607	134	3308	< 0.01	1239.4
c1-857	2.26	-	-	28.5	391	1.77	38.3	7.77	303	612	141	3406	< 0.01	1240.9
c1-858	3.13	70.6	-	-	328	1.43	44.5	7.32	295	645	149	3594	< 0.01	1242.3
c1-859	2.64	58.0	-	-	291	1.87	49.5	6.70	288	648	156	3447	< 0.01	1243.8
c1-860	2.66	45.9	204	-	-	1.61	59.6	6.52	317	628	137	3509	< 0.01	1245.2
c1-861	2.40	54.4	186	27.2	440	1.83	63.6	6.99	358	667	149	3524	< 0.01	1246.7
c1-862	2.54	49.2	205	25.8	582	1.75	55.9	6.13	328	628	152	3568	< 0.01	1248.1
c1-863	2.69	71.7	157	22.9	-	1.73	44.3	6.71	350	616	140	3353	< 0.01	1249.6

c1-864	2.36	59.2	170	12.5	256	1.95	47.8	6.97	369	651	139	3475	< 0.01	1251.0
c1-865	2.30	65.9	140	20.6	350	1.38	44.7	6.88	301	628	133	3408	< 0.01	1252.5
c1-866	3.11	46.0	135	8.5	435	2.19	38.0	7.12	325	633	146	3356	< 0.01	1253.9
c1-867	2.43	46.3	152	24.6	611	2.11	46.0	7.23	351	651	150	3440	< 0.01	1255.4
c1-868	3.23	65.2	193	14.5	176	1.69	57.9	6.28	381	612	142	3441	< 0.01	1256.8
c1-869	2.66	69.5	145	19.7	179	2.52	44.5	5.63	360	627	135	3423	< 0.01	1258.3
c1-870	-	66.7	133	28.9	284	2.20	46.4	5.72	343	617	142	3313	< 0.01	1259.7
c1-871	-	54.7	137	27.4	259	2.29	41.9	6.43	366	671	143	3528	< 0.01	1261.2
c1-872	-	64.6	146	23.7	423	1.94	45.0	6.82	352	622	146	3596	< 0.01	1262.6
c1-873	-	63.5	130	26.2	430	1.85	44.8	6.83	331	613	144	3668	< 0.01	1264.1
c1-874	3.27	67.3	167	21.5	-	1.84	59.7	5.39	354	625	137	3368	< 0.01	1265.5
c1-875	2.71	57.9	167	18.7	283	1.45	58.3	6.63	371	641	140	3398	< 0.01	1267.0
c1-876	3.00	-	185	26.5	326	1.17	46.3	6.74	387	638	142	3667	< 0.01	1268.4
c1-877	2.59	70.5	186	14.7	415	2.15	47.2	6.09	348	620	136	3284	< 0.01	1269.8
c1-878	-	63.6	173	20.5	140	2.41	54.4	5.35	349	632	144	3398	< 0.01	1271.3
c1-879	3.29	64.2	168	28.3	138	2.13	35.9	6.99	298	585	-	3024	< 0.01	1272.7
c1-880	3.80	-	-	23.1	-	1.79	42.0	4.86	310	549	-	-	< 0.01	1274.2
c1-881	2.88	61.9	199	20.5	107	1.90	40.4	5.70	260	532	-	-	< 0.01	1275.6
c1-882	-	56.9	150	14.7	392	1.57	46.4	5.32	-	522	-	-	< 0.01	1277.1
c1-883	3.05	-	163	-	759	2.54	46.0	-	-	523	-	-	< 0.01	1278.5
c1-884	2.42	59.7	116	-	-	1.58	-	-	270	543	-	-	< 0.01	1280.0

Profile c2	Li	Na	Al	P	Ca	Sc	Ti	V	Cr	Mn	Co	Ni	Y	distance(μm)
c2-001	2.67	76.1	351	32.5	239	1.69	51.3	-	359	693	-	-	< 0.01	1272.0
c2-002	2.57	55.8	307	35.4	342	1.59	47.6	6.09	318	672	-	-	< 0.01	1270.5
c2-003	2.18	62.3	225	29.1	162	2.80	41.3	-	343	664	151	3986	< 0.01	1269.1
c2-004	3.10	60.3	191	24.3	512	1.75	29.1	6.11	291	612	140	3689	< 0.01	1267.6
c2-005	2.29	71.0	189	18.3	329	2.58	37.4	5.53	390	627	151	3726	< 0.01	1266.1
c2-006	2.55	57.5	184	-	328	2.10	25.1	-	290	643	148	3704	< 0.01	1264.6
c2-007	2.55	47.0	173	16.6	284	1.93	44.0	5.07	264	636	145	3605	< 0.01	1263.2
c2-008	2.54	54.0	173	25.6	316	1.90	36.9	5.58	263	634	144	3850	< 0.01	1261.7
c2-009	2.67	55.3	251	21.4	337	1.94	50.3	5.95	275	607	137	3677	< 0.01	1260.2
c2-010	1.99	52.3	172	20.2	408	1.57	36.3	5.54	277	620	145	3698	< 0.01	1258.8
c2-011	2.36	51.9	236	28.3	123	1.89	41.2	6.40	289	612	138	3482	< 0.01	1257.3
c2-012	2.18	70.8	203	13.7	345	1.61	35.0	-	276	617	142	3803	< 0.01	1255.8
c2-013	2.27	64.3	229	27.2	412	2.08	49.9	6.60	322	603	134	3805	< 0.01	1254.3
c2-014	2.11	62.7	322	23.4	255	2.44	55.9	5.90	333	595	130	3522	< 0.01	1252.9
c2-015	-	66.2	315	28.9	488	1.79	41.2	6.46	333	663	141	3772	< 0.01	1251.4

c2-016	2.37	54.8	318	26.7	268	1.89	37.5	6.93	320	622	141	3697	< 0.01	1249.9
c2-017	2.69	63.4	334	27.5	339	2.26	44.6	-	288	633	140	3673	< 0.01	1248.4
c2-018	3.05	72.5	304	29.6	373	1.51	48.5	5.45	324	610	145	3590	< 0.01	1247.0
c2-019	2.74	42.9	270	18.8	157	1.58	47.9	5.72	277	592	136	3631	< 0.01	1245.5
c2-020	2.04	59.4	202	30.8	535	2.03	39.0	5.95	296	647	141	3689	< 0.01	1244.0
c2-021	2.23	50.5	207	41.7	534	1.77	42.0	6.43	288	635	148	3737	< 0.01	1242.6
c2-022	2.36	45.4	177	20.9	495	1.69	35.5	5.20	320	646	144	3683	< 0.01	1241.1
c2-023	3.12	60.3	155	17.5	199	2.15	39.8	5.19	286	605	145	3724	< 0.01	1239.6
c2-024	3.19	44.2	165	23.0	207	2.62	44.4	5.38	322	644	140	3798	< 0.01	1238.1
c2-025	3.00	60.3	170	39.3	133	1.71	31.7	5.48	335	647	145	3837	< 0.01	1236.7
c2-026	2.86	61.7	171	18.8	350	1.82	45.0	5.16	288	636	147	3866	< 0.01	1235.2
c2-027	2.26	61.3	172	22.0	309	1.67	42.3	5.24	324	655	143	3718	< 0.01	1233.7
c2-028	3.06	48.3	147	-	272	1.54	43.2	5.76	369	622	143	3667	< 0.01	1232.3
c2-029	2.91	68.7	155	14.3	203	2.07	23.9	5.50	413	655	147	3887	< 0.01	1230.8
c2-030	3.63	48.5	172	18.9	206	1.90	37.9	5.30	427	629	138	3950	< 0.01	1229.3
c2-031	3.31	53.6	152	36.8	311	1.11	29.0	-	431	609	141	3593	< 0.01	1227.8
c2-032	3.25	87.9	155	33.8	393	2.18	38.3	6.62	-	621	145	3812	< 0.01	1226.4
c2-033	3.01	54.1	128	20.1	521	2.03	33.8	5.15	395	599	145	3756	< 0.01	1224.9
c2-034	2.55	50.5	131	23.1	167	1.95	36.5	5.69	366	618	138	3826	< 0.01	1223.4
c2-035	3.51	43.7	134	23.9	420	2.19	31.2	5.01	340	629	144	3627	< 0.01	1221.9
c2-036	2.69	46.3	125	27.4	312	1.37	30.2	4.59	370	629	136	3788	< 0.01	1220.5
c2-037	2.98	47.6	117	22.8	374	1.76	39.5	-	321	616	139	3633	< 0.01	1219.0
c2-038	3.30	52.8	125	22.2	164	1.84	35.7	5.08	378	629	141	3767	< 0.01	1217.5
c2-039	3.34	59.1	124	11.2	381	1.04	40.3	4.28	448	660	144	3803	< 0.01	1216.1
c2-040	2.87	61.1	133	22.4	388	1.70	32.6	5.61	453	669	146	3909	< 0.01	1214.6
c2-041	2.62	54.3	126	21.1	233	1.76	38.5	5.61	-	628	145	3622	< 0.01	1213.1
c2-042	2.81	69.4	126	27.1	273	1.42	45.4	5.45	448	651	145	3888	< 0.01	1211.6
c2-043	3.12	57.9	119	27.0	197	1.88	31.3	4.87	396	614	141	3710	< 0.01	1210.2
c2-044	3.15	46.0	120	36.2	128	1.28	41.8	5.49	370	660	140	3827	< 0.01	1208.7
c2-045	2.91	55.8	115	26.0	124	1.78	38.5	5.78	362	586	139	3638	< 0.01	1207.2
c2-046	3.79	51.5	132	25.3	167	1.88	34.4	6.33	330	636	145	3656	< 0.01	1205.8
c2-047	2.90	47.5	132	18.8	342	1.91	41.9	4.40	344	613	140	3771	< 0.01	1204.3
c2-048	3.12	53.5	129	19.6	439	1.98	48.0	5.29	363	602	140	3674	< 0.01	1202.8
c2-049	3.76	52.8	126	27.2	340	2.33	36.6	5.49	367	621	144	3795	< 0.01	1201.3
c2-050	2.67	57.8	152	24.8	-	1.42	22.8	4.57	375	586	141	3622	< 0.01	1199.9
c2-051	2.90	56.2	132	22.5	238	1.86	34.1	5.79	407	628	146	3893	< 0.01	1198.4
c2-052	2.21	51.3	124	16.7	344	1.60	29.8	4.64	367	632	134	3821	< 0.01	1196.9
c2-053	2.49	55.6	123	22.4	310	1.42	33.1	6.70	369	654	147	3835	< 0.01	1195.4

c2-054	2.80	49.5	123	33.0	264	2.47	-	4.92	341	615	144	3772	< 0.01	1194.0
c2-055	3.21	56.0	160	32.8	-	2.55	25.1	4.27	396	616	137	3785	< 0.01	1192.5
c2-056	2.76	63.8	175	34.6	232	1.88	39.4	5.24	352	627	133	3752	< 0.01	1191.0
c2-057	2.04	-	324	23.7	339	1.89	33.5	5.31	375	616	136	3797	< 0.01	1189.6
c2-058	2.52	69.8	274	20.8	376	2.27	38.7	5.02	357	641	145	3885	< 0.01	1188.1
c2-059	3.60	50.2	255	25.2	236	2.53	31.7	4.89	326	635	137	3891	< 0.01	1186.6
c2-060	3.08	72.7	226	18.8	484	2.40	37.8	5.99	377	617	141	3795	< 0.01	1185.1
c2-061	2.61	64.5	259	32.9	408	2.25	45.4	4.81	406	583	138	3702	< 0.01	1183.7
c2-062	2.83	73.3	349	22.2	164	2.53	43.0	4.89	-	614	144	3913	< 0.01	1182.2
c2-063	2.53	71.1	264	39.7	306	1.53	48.0	5.77	-	631	137	3825	< 0.01	1180.7
c2-064	2.79	89.4	337	37.2	235	1.72	38.8	5.93	-	643	131	3766	< 0.01	1179.3
c2-065	3.03	91.6	387	39.6	-	2.00	36.5	5.94	-	656	138	3796	< 0.01	1177.8
c2-066	2.47	85.4	310	37.6	478	1.57	32.3	6.07	-	624	140	3717	< 0.01	1176.3
c2-067	3.19	84.4	329	30.5	-	1.66	28.6	4.66	-	625	137	3806	< 0.01	1174.8
c2-068	3.41	-	360	43.5	-	1.40	44.9	5.87	-	659	144	3743	< 0.01	1173.4
c2-069	2.62	97.7	302	31.3	-	2.11	43.6	5.26	404	630	139	3610	< 0.01	1171.9
c2-070	2.20	-	-	39.2	-	1.84	41.5	6.09	446	661	152	3788	< 0.01	1170.4
c2-071	3.07	-	372	27.3	-	1.61	49.0	5.58	402	698	151	3587	< 0.01	1168.9
c2-072	3.84	-	338	24.5	-	1.96	32.6	5.51	404	662	150	3830	< 0.01	1167.5
c2-073	3.80	-	396	45.1	-	1.40	45.0	6.32	419	757	-	3986	< 0.01	1166.0
c2-074	3.07	-	251	27.0	-	2.21	41.9	5.07	405	692	157	3678	< 0.01	1164.5
c2-075	3.56	-	324	34.0	-	1.88	38.4	-	390	774	-	3884	< 0.01	1163.1
c2-076	2.81	-	317	37.1	-	2.47	45.3	4.83	418	760	160	4035	< 0.01	1161.6
c2-077	3.40	-	395	-	-	2.46	39.1	-	439	809	-	3948	< 0.01	1160.1
c2-078	2.54	-	345	46.1	-	2.18	41.0	-	395	786	159	3877	< 0.01	1158.6
c2-079	2.98	-	-	-	-	1.98	43.0	5.92	345	779	162	4036	< 0.01	1157.2
c2-080	2.79	-	314	30.5	-	1.59	39.6	-	382	744	157	3841	< 0.01	1155.7
c2-081	2.55	-	313	36.0	-	1.79	49.3	6.81	430	750	156	4055	< 0.01	1154.2
c2-082	2.68	-	296	36.9	-	1.63	29.4	-	391	779	-	4134	< 0.01	1152.8
c2-083	2.06	-	255	-	-	2.35	41.1	-	395	700	149	4075	< 0.01	1151.3
c2-084	2.75	-	265	37.1	-	1.97	39.4	-	411	776	158	4024	< 0.01	1149.8
c2-085	2.60	-	324	30.2	-	2.32	36.9	6.52	380	758	152	4310	< 0.01	1148.3
c2-086	2.46	-	299	-	-	1.85	-	-	396	797	147	3947	< 0.01	1146.9
c2-087	2.89	-	253	24.3	-	1.71	42.5	6.11	375	778	151	-	< 0.01	1145.4
c2-088	2.12	-	236	38.4	-	1.76	38.7	6.39	350	771	144	3948	< 0.01	1143.9
c2-089	2.46	-	261	27.7	-	2.34	39.4	6.54	394	789	147	4017	< 0.01	1142.4
c2-090	2.43	-	261	41.1	-	2.01	36.7	6.11	344	760	140	3968	< 0.01	1141.0
c2-091	2.38	-	218	33.8	-	1.83	39.0	7.00	376	722	140	3945	< 0.01	1139.5

c2-092	2.37	-	266	44.1	-	1.99	44.0	6.80	411	796	156	-	< 0.01	1138.0
c2-093	2.05	-	285	30.0	-	1.53	35.5	6.60	384	728	147	4024	< 0.01	1136.6
c2-094	3.13	-	209	44.1	-	1.90	40.1	5.79	368	762	146	4016	< 0.01	1135.1
c2-095	2.54	-	200	30.6	-	2.24	-	6.57	420	749	145	3919	< 0.01	1133.6
c2-096	2.63	-	202	46.4	-	2.16	35.8	6.00	445	731	152	3913	< 0.01	1132.1
c2-097	3.06	-	209	23.9	-	1.26	23.7	6.37	409	768	157	4120	< 0.01	1130.7
c2-098	3.02	-	183	27.6	-	1.91	28.3	5.38	401	758	149	4029	< 0.01	1129.2
c2-099	2.82	-	168	41.9	-	1.68	37.5	5.11	406	712	153	3799	< 0.01	1127.7
c2-100	2.74	-	165	22.7	-	1.85	23.7	5.51	344	693	152	3662	< 0.01	1126.3
c2-101	2.73	-	162	27.4	-	1.54	29.4	6.50	348	705	154	3982	< 0.01	1124.8
c2-102	3.09	-	153	27.6	-	2.13	36.3	6.20	337	691	146	3899	< 0.01	1123.3
c2-103	2.49	-	187	31.0	-	1.62	30.8	6.70	319	693	146	3965	< 0.01	1121.8
c2-104	3.03	-	143	28.9	-	1.85	29.8	5.98	320	653	153	3793	< 0.01	1120.4
c2-105	2.72	97.3	151	18.3	506	1.49	26.9	4.95	322	640	146	3805	< 0.01	1118.9
c2-106	3.20	87.3	154	20.9	259	2.18	28.4	5.69	330	617	140	3796	< 0.01	1117.4
c2-107	2.92	80.0	141	21.7	396	1.53	31.4	5.85	324	628	139	3685	< 0.01	1115.9
c2-108	3.78	73.1	137	31.2	-	2.28	34.8	6.20	371	643	137	3730	< 0.01	1114.5
c2-109	3.17	72.5	150	35.1	424	2.08	44.1	5.61	374	658	147	3946	< 0.01	1113.0
c2-110	2.60	73.9	135	22.4	194	1.91	24.8	5.66	323	620	138	3561	< 0.01	1111.5
c2-111	2.73	60.4	137	23.5	236	1.60	33.8	5.79	345	650	135	3906	< 0.01	1110.1
c2-112	2.73	58.8	151	22.0	353	2.29	-	5.75	342	639	140	4208	< 0.01	1108.6
c2-113	2.51	64.5	133	29.2	299	1.92	22.9	4.45	311	618	139	3804	< 0.01	1107.1
c2-114	3.52	53.9	128	18.2	159	2.51	32.7	4.72	307	623	135	3622	< 0.01	1105.6
c2-115	2.59	52.7	133	18.7	360	1.34	27.3	4.60	296	605	137	3604	< 0.01	1104.2
c2-116	3.37	57.6	134	22.1	376	1.77	33.6	5.44	298	620	136	3778	< 0.01	1102.7
c2-117	2.78	59.0	136	21.9	266	1.38	35.2	4.75	310	604	138	3664	< 0.01	1101.2
c2-118	3.34	55.6	147	26.3	237	1.36	37.2	5.89	283	618	144	3809	< 0.01	1099.8
c2-119	2.81	50.1	149	17.2	129	1.92	31.9	6.03	321	632	145	3752	< 0.01	1098.3
c2-120	2.52	57.1	142	26.4	553	1.46	24.4	4.80	316	631	143	3775	< 0.01	1096.8
c2-121	3.12	64.8	133	19.0	274	1.23	25.8	5.95	312	627	147	4005	< 0.01	1095.3
c2-122	2.64	75.9	143	39.0	-	1.37	19.8	4.94	291	637	139	3806	< 0.01	1093.9
c2-123	2.60	57.0	151	23.1	336	1.32	31.1	4.95	308	622	141	3838	< 0.01	1092.4
c2-124	2.86	49.8	160	20.3	455	1.87	30.0	5.96	309	647	149	3868	< 0.01	1090.9
c2-125	2.95	67.7	187	26.6	594	1.04	37.0	4.63	277	630	137	3870	< 0.01	1089.4
c2-126	3.36	52.1	158	34.8	344	1.29	41.2	4.54	294	631	148	3852	< 0.01	1088.0
c2-127	2.46	48.1	162	36.8	413	2.03	32.7	4.62	295	615	137	3780	< 0.01	1086.5
c2-128	3.45	63.6	168	18.5	463	1.45	40.1	6.13	302	634	146	3975	< 0.01	1085.0
c2-129	3.06	73.9	168	35.2	312	1.05	48.9	4.64	277	667	137	3900	< 0.01	1083.6

c2-130	2.70	40.0	176	33.6	209	2.13	40.8	5.06	307	653	146	3951	< 0.01	1082.1
c2-131	3.88	41.5	183	26.7	237	1.79	22.6	5.29	307	617	141	3876	< 0.01	1080.6
c2-132	2.92	67.1	164	27.0	239	2.64	28.1	5.56	318	634	141	3808	< 0.01	1079.1
c2-133	2.93	51.0	169	14.8	204	1.70	31.4	5.43	341	629	136	3929	< 0.01	1077.7
c2-134	3.15	61.0	155	15.2	284	1.73	38.6	6.28	338	662	145	4020	< 0.01	1076.2
c2-135	2.93	-	151	22.9	237	1.36	31.0	5.89	359	651	142	3798	< 0.01	1074.7
c2-136	2.85	59.4	157	27.1	273	1.42	26.8	5.98	306	648	142	3880	< 0.01	1073.3
c2-137	3.13	61.2	197	21.9	168	2.53	32.6	5.72	337	640	145	4009	< 0.01	1071.8
c2-138	3.07	56.0	148	25.1	-	1.89	24.4	5.27	309	638	146	3753	< 0.01	1070.3
c2-139	3.27	89.8	136	14.9	449	1.22	25.6	5.47	294	632	142	3838	< 0.01	1068.8
c2-140	3.42	53.4	148	31.1	-	1.57	32.5	5.65	318	649	140	3902	< 0.01	1067.4
c2-141	3.42	46.7	142	36.1	366	1.44	36.1	5.28	349	688	146	4020	< 0.01	1065.9
c2-142	2.70	39.8	149	18.5	345	1.79	33.0	5.18	339	615	132	3799	< 0.01	1064.4
c2-143	3.19	44.3	158	19.4	382	1.99	40.3	5.63	373	650	145	3679	< 0.01	1062.9
c2-144	2.73	51.5	157	28.8	165	1.79	35.0	6.24	409	635	136	3749	< 0.01	1061.5
c2-145	3.15	52.6	149	21.6	273	1.55	29.9	4.77	363	634	145	3877	< 0.01	1060.0
c2-146	3.02	60.7	153	26.3	319	2.96	26.6	4.70	378	658	145	3911	< 0.01	1058.5
c2-147	2.55	62.0	152	-	422	2.39	42.8	4.99	314	637	139	3957	< 0.01	1057.1
c2-148	3.31	54.1	149	29.3	131	1.82	29.3	5.54	354	621	142	3842	< 0.01	1055.6
c2-149	2.56	57.0	144	20.5	459	2.20	25.1	4.56	331	648	141	3944	< 0.01	1054.1
c2-150	3.23	50.0	150	20.7	274	2.18	27.9	5.04	355	628	137	3693	< 0.01	1052.6
c2-151	3.64	53.9	149	18.4	307	1.66	30.7	5.68	355	649	131	3918	< 0.01	1051.2
c2-152	3.20	58.9	137	19.5	419	2.12	40.4	4.73	375	649	144	3936	< 0.01	1049.7
c2-153	3.58	57.4	143	24.6	388	1.51	39.9	5.66	348	642	141	3892	< 0.01	1048.2
c2-154	3.32	61.1	194	-	205	1.76	31.5	5.45	349	656	144	3937	< 0.01	1046.8
c2-155	3.31	45.5	150	29.5	378	1.85	-	4.62	313	672	130	3951	< 0.01	1045.3
c2-156	2.67	53.8	151	30.2	129	2.42	13.4	5.18	300	639	-	3885	< 0.01	1043.8
c2-157	2.84	46.4	220	29.6	131	1.62	37.5	4.37	340	665	147	4029	< 0.01	1042.3
c2-158	3.28	53.5	154	28.8	451	1.48	26.7	4.42	325	638	135	3888	< 0.01	1040.9
c2-159	3.09	66.2	159	19.9	304	2.14	26.3	-	306	611	128	3770	< 0.01	1039.4
c2-160	3.10	64.8	163	14.5	426	0.94	35.8	5.96	318	636	136	3843	< 0.01	1037.9
c2-161	3.89	55.1	162	25.5	310	1.17	34.1	5.20	348	651	139	3972	< 0.01	1036.4
c2-162	2.98	60.3	149	14.4	304	2.01	31.4	5.15	314	634	138	3826	< 0.01	1035.0
c2-163	3.28	57.8	155	30.7	241	2.53	33.6	4.68	339	697	139	4021	< 0.01	1033.5
c2-164	3.16	56.6	165	18.6	280	2.17	36.0	5.33	321	669	143	4119	< 0.01	1032.0
c2-165	3.54	46.0	246	41.2	423	1.76	20.9	5.49	319	657	147	4062	< 0.01	1030.6
c2-166	2.73	52.6	156	16.3	308	2.29	33.9	5.23	280	640	135	3874	< 0.01	1029.1
c2-167	3.33	51.0	159	24.2	305	1.15	16.3	5.65	253	638	136	3847	< 0.01	1027.6

c2-168	3.24	64.1	184	30.7	205	1.89	32.5	5.06	309	650	143	4033	< 0.01	1026.1
c2-169	3.19	51.0	213	18.9	165	1.98	33.0	4.39	300	660	146	3896	< 0.01	1024.7
c2-170	2.86	59.4	196	28.8	355	1.65	26.5	4.68	297	663	142	3968	< 0.01	1023.2
c2-171	2.90	56.0	208	31.3	160	2.83	24.9	5.33	271	627	125	3733	< 0.01	1021.7
c2-172	2.50	57.7	200	33.4	450	2.28	44.1	5.42	307	640	135	3849	< 0.01	1020.3
c2-173	3.44	63.9	197	31.8	529	2.00	29.1	5.77	299	664	143	3971	< 0.01	1018.8
c2-174	3.73	58.3	188	32.4	376	1.84	26.5	4.65	320	682	143	3880	< 0.01	1017.3
c2-175	3.68	65.2	182	22.2	511	2.24	28.1	6.04	282	630	143	3727	< 0.01	1015.8
c2-176	3.00	51.4	182	27.1	-	1.82	30.3	6.29	320	649	146	4042	< 0.01	1014.4
c2-177	2.97	51.1	176	27.4	372	1.39	29.2	5.75	348	632	131	3720	< 0.01	1012.9
c2-178	3.11	64.8	192	32.8	128	2.39	35.6	4.54	382	641	134	3791	< 0.01	1011.4
c2-179	2.96	48.3	178	23.3	309	1.67	21.7	5.67	385	623	139	3872	< 0.01	1009.9
c2-180	3.31	51.1	166	26.6	268	1.88	35.4	4.67	404	623	141	3798	< 0.01	1008.5
c2-181	2.98	56.8	181	42.5	419	1.36	25.9	5.38	351	654	141	3909	< 0.01	1007.0
c2-182	2.94	60.1	164	31.6	-	1.93	31.1	5.43	334	682	140	3880	< 0.01	1005.5
c2-183	3.58	70.5	173	21.9	95	1.25	26.2	5.87	297	667	142	3785	< 0.01	1004.1
c2-184	2.09	59.7	173	18.6	203	1.24	33.2	5.33	308	624	136	3839	< 0.01	1002.6
c2-185	2.95	61.2	185	26.1	236	2.47	26.7	5.58	299	619	136	3974	< 0.01	1001.1
c2-186	3.24	55.0	199	28.1	169	2.09	29.4	4.20	305	649	138	3879	< 0.01	999.6
c2-187	3.11	63.2	209	20.0	422	1.82	32.3	4.98	294	647	141	3876	< 0.01	998.2
c2-188	2.79	54.0	203	23.7	424	2.15	29.4	5.33	315	687	144	3901	< 0.01	996.7
c2-189	2.77	45.6	180	43.2	265	1.56	39.1	5.04	308	628	139	3845	< 0.01	995.2
c2-190	2.64	53.8	197	30.7	274	2.18	38.3	5.64	319	659	138	3997	< 0.01	993.8
c2-191	3.43	40.9	207	25.0	351	1.95	26.2	-	348	692	147	4056	< 0.01	992.3
c2-192	3.41	57.0	198	18.7	412	1.71	32.6	5.18	357	649	143	3944	< 0.01	990.8
c2-193	3.11	55.5	183	47.0	398	1.60	33.5	-	330	630	135	3682	< 0.01	989.3
c2-194	2.97	40.8	196	20.4	96	2.04	35.0	6.71	331	699	140	4049	< 0.01	987.9
c2-195	2.30	49.4	183	26.3	238	2.11	25.8	5.57	281	660	142	3818	< 0.01	986.4
c2-196	2.55	43.5	197	19.4	345	2.23	41.2	5.24	314	654	143	3882	< 0.01	984.9
c2-197	2.66	63.1	218	32.3	-	1.65	30.7	5.27	327	667	145	3932	< 0.01	983.4
c2-198	3.18	63.6	231	15.9	416	1.23	24.7	4.86	299	647	137	4034	< 0.01	982.0
c2-199	3.08	53.3	357	30.6	314	1.70	33.5	6.14	322	675	145	4043	< 0.01	980.5
c2-200	2.69	42.9	267	28.7	353	2.03	40.1	5.42	298	681	145	4005	< 0.01	979.0
c2-201	2.64	47.6	268	20.3	346	2.06	26.9	4.84	252	639	136	3889	< 0.01	977.6
c2-202	2.27	39.4	186	25.9	94	1.99	26.9	3.81	278	663	135	4172	< 0.01	976.1
c2-203	3.12	62.7	159	41.5	449	1.72	28.6	3.82	260	645	137	3893	< 0.01	974.6
c2-204	3.46	47.1	151	32.5	347	2.38	27.0	4.25	340	679	140	4063	< 0.01	973.1
c2-205	2.91	52.6	148	29.9	239	1.49	27.0	4.90	-	657	134	3894	< 0.01	971.7

c2-206	3.28	43.1	148	16.6	472	1.94	31.2	3.90	-	698	147	4096	< 0.01	970.2
c2-207	3.36	62.7	135	17.3	356	2.05	22.3	4.31	-	690	139	4089	< 0.01	968.7
c2-208	3.78	69.6	151	32.2	167	1.81	26.0	4.27	-	671	142	4130	< 0.01	967.3
c2-209	3.30	72.3	156	32.9	199	1.84	27.6	5.19	-	683	146	3864	< 0.01	965.8
c2-210	3.55	83.1	153	14.2	230	0.89	23.0	4.10	-	638	141	3873	< 0.01	964.3
c2-211	3.77	84.3	170	33.2	-	1.92	31.9	4.12	-	686	146	4060	< 0.01	962.8
c2-212	3.68	65.7	170	20.1	414	1.78	31.7	4.67	-	676	144	3990	< 0.01	961.4
c2-213	3.20	59.9	164	27.4	343	1.41	26.6	4.57	-	672	142	3987	< 0.01	959.9
c2-214	3.64	70.0	173	28.3	236	1.29	35.9	5.10	-	665	144	3957	< 0.01	958.4
c2-215	3.76	58.1	258	15.7	241	1.95	36.6	5.10	-	694	142	3987	< 0.01	956.9
c2-216	3.36	58.6	254	33.3	298	1.37	22.9	4.85	378	684	140	3815	< 0.01	955.5
c2-217	3.31	57.5	254	25.7	200	1.91	40.0	4.89	384	665	141	3831	< 0.01	954.0
c2-218	3.46	53.1	301	41.2	281	2.11	40.3	4.84	354	696	149	4153	< 0.01	952.5
c2-219	3.19	48.7	242	31.5	496	2.52	25.1	4.72	369	665	142	3991	< 0.01	951.1
c2-220	3.90	45.6	235	33.7	622	2.40	18.3	6.47	372	731	149	4324	< 0.01	949.6
c2-221	3.50	52.3	215	26.3	387	1.19	25.1	4.67	341	693	145	4131	< 0.01	948.1
c2-222	3.40	50.2	230	28.6	267	2.12	31.2	4.91	345	674	137	3975	< 0.01	946.6
c2-223	2.52	-	256	22.5	481	1.58	38.6	5.69	318	699	142	4078	< 0.01	945.2
c2-224	2.59	60.4	234	24.1	380	1.86	33.0	3.80	340	695	138	4039	< 0.01	943.7
c2-225	3.35	59.2	342	43.8	307	1.79	-	5.27	386	665	135	3793	< 0.01	942.2
c2-226	3.60	-	-	30.1	-	2.01	37.6	5.85	-	681	140	3942	< 0.01	940.8
c2-227	2.73	-	-	39.1	558	2.29	40.0	6.01	-	665	144	3926	< 0.01	939.3
c2-228	2.80	-	-	43.7	236	1.47	-	4.41	-	683	143	3859	< 0.01	937.8
c2-229	3.36	-	-	40.9	541	2.24	-	6.62	-	704	147	4141	< 0.01	936.3
c2-230	3.13	-	-	28.4	-	2.07	-	4.83	-	666	135	3833	< 0.01	934.9
c2-231	3.54	-	-	40.8	-	2.14	-	5.32	-	679	133	3838	< 0.01	933.4
c2-232	3.05	-	-	43.9	508	1.80	-	4.72	-	679	142	3701	< 0.01	931.9
c2-233	3.30	-	-	47.5	502	1.36	29.6	5.38	-	656	134	4013	< 0.01	930.4
c2-234	3.98	91.0	-	45.6	478	1.88	29.3	4.87	-	693	139	3827	< 0.01	929.0
c2-235	2.99	-	-	42.0	336	1.38	46.2	5.31	-	680	137	3970	< 0.01	927.5
c2-236	3.48	80.9	-	24.2	242	1.77	35.8	5.13	-	748	146	4026	< 0.01	926.0
c2-237	2.92	72.5	-	32.3	579	1.44	23.0	4.99	-	681	133	4052	< 0.01	924.6
c2-238	4.21	81.6	330	22.4	162	2.07	24.3	5.03	-	663	141	3882	< 0.01	923.1
c2-239	3.39	75.7	343	15.7	552	1.71	27.4	5.17	-	687	130	4078	< 0.01	921.6
c2-240	3.99	58.3	361	19.2	270	1.84	35.7	5.08	-	689	137	4074	< 0.01	920.1
c2-241	3.77	89.3	345	36.4	265	1.80	29.0	5.45	-	692	132	3966	< 0.01	918.7
c2-242	2.74	56.8	310	33.6	580	1.87	31.1	5.15	-	686	137	3896	< 0.01	917.2
c2-243	3.86	76.0	359	47.9	406	1.75	39.2	4.79	-	681	134	3972	< 0.01	915.7

c2-244	3.94	73.5	-	29.0	274	2.49	27.9	5.69	-	691	138	3983	< 0.01	914.3
c2-245	3.31	81.4	390	35.9	520	2.03	53.2	5.36	-	719	137	4015	< 0.01	912.8
c2-246	3.97	80.9	-	26.5	511	2.67	50.3	4.75	-	651	136	3735	< 0.01	911.3
c2-247	3.51	73.2	-	39.5	167	2.13	28.0	4.85	-	719	136	3977	< 0.01	909.8
c2-248	3.88	71.9	-	38.6	314	2.98	45.1	5.00	-	705	141	4149	< 0.01	908.4
c2-249	3.61	74.8	-	32.6	415	1.66	39.0	4.84	385	689	137	4185	< 0.01	906.9
c2-250	3.81	90.0	-	31.5	130	2.11	41.3	4.49	370	708	138	3961	< 0.01	905.4
c2-251	3.96	62.2	-	30.8	235	2.22	36.8	5.30	378	691	141	3996	< 0.01	903.9
c2-252	3.19	61.0	-	34.2	310	1.55	28.9	5.47	389	707	135	4083	< 0.01	902.5
c2-253	3.76	60.2	336	26.6	236	1.85	31.9	6.18	379	698	141	3933	< 0.01	901.0
c2-254	3.24	61.9	272	28.7	200	1.54	30.8	5.53	386	697	141	4025	< 0.01	899.5
c2-255	3.91	52.5	270	14.2	432	1.40	24.5	6.09	389	757	141	4064	< 0.01	898.1
c2-256	4.64	54.0	312	20.2	608	1.64	32.6	4.64	366	753	143	4028	< 0.01	896.6
c2-257	3.56	54.8	230	19.0	202	2.24	37.2	5.47	341	730	139	4070	< 0.01	895.1
c2-258	3.80	51.2	211	17.4	447	1.96	30.5	5.54	367	718	137	4198	< 0.01	893.6
c2-259	3.54	45.6	219	21.9	308	1.79	46.2	5.32	-	731	144	3903	< 0.01	892.2
c2-260	3.55	39.5	202	27.5	165	1.67	20.6	5.07	-	731	137	3948	< 0.01	890.7
c2-261	3.03	59.8	214	19.6	385	1.63	33.4	5.36	-	692	144	4021	< 0.01	889.2
c2-262	3.22	49.2	198	25.5	128	1.71	29.5	5.50	362	721	145	3972	< 0.01	887.8
c2-263	3.65	36.8	182	35.2	340	2.08	30.5	4.79	379	724	134	3776	< 0.01	886.3
c2-264	3.42	53.4	183	31.0	240	1.69	29.3	4.83	395	712	140	3894	< 0.01	884.8
c2-265	3.66	38.2	176	15.5	318	1.46	37.1	5.17	378	757	142	4161	< 0.01	883.3
c2-266	3.22	48.8	175	18.9	417	1.73	22.7	5.51	392	763	145	4216	< 0.01	881.9
c2-267	3.19	43.5	199	35.4	-	2.43	35.1	4.82	370	740	148	4050	< 0.01	880.4
c2-268	3.88	39.2	201	36.2	237	1.98	29.9	4.86	418	734	146	4093	< 0.01	878.9
c2-269	3.75	51.1	206	25.6	316	1.97	26.4	4.54	377	733	142	4153	< 0.01	877.4
c2-270	3.98	56.7	234	14.7	-	1.68	26.9	4.89	374	744	146	4033	< 0.01	876.0
c2-271	3.61	74.3	288	29.0	347	1.30	33.2	5.97	401	740	142	4139	< 0.01	874.5
c2-272	3.87	49.5	349	20.6	337	1.57	29.2	4.87	380	732	139	3966	< 0.01	873.0
c2-273	3.50	64.6	258	29.4	274	2.25	25.9	4.73	373	752	145	4223	< 0.01	871.6
c2-274	3.75	71.7	247	24.4	486	1.54	30.7	5.21	342	714	144	4015	< 0.01	870.1
c2-275	3.16	67.8	292	16.8	-	2.62	25.4	5.11	383	755	153	4184	< 0.01	868.6
c2-276	3.76	50.5	269	25.5	-	1.80	26.9	5.75	364	765	144	3992	< 0.01	867.1
c2-277	3.17	43.4	216	22.9	128	2.51	39.6	5.37	359	735	142	4057	< 0.01	865.7
c2-278	3.77	59.7	237	15.8	315	1.06	37.8	4.96	348	743	143	4079	< 0.01	864.2
c2-279	3.43	58.3	269	29.5	420	1.62	22.9	5.66	338	747	143	3995	< 0.01	862.7
c2-280	3.27	54.9	339	40.7	207	2.04	30.7	5.22	357	744	147	4148	< 0.01	861.3
c2-281	3.89	72.0	275	33.7	-	2.79	35.4	5.74	410	775	144	4018	< 0.01	859.8

c2-282	3.23	58.4	-	24.6	166	1.49	32.1	4.02	367	752	134	4063	< 0.01	858.3
c2-283	3.63	70.3	399	37.1	273	1.92	38.2	5.30	386	759	138	3998	< 0.01	856.8
c2-284	3.69	74.1	-	27.3	-	1.87	33.2	4.68	345	795	146	4313	< 0.01	855.4
c2-285	3.44	71.7	-	31.8	272	2.10	30.9	4.48	364	762	141	4078	< 0.01	853.9
c2-286	3.43	65.1	380	45.5	517	1.90	24.4	5.75	362	755	144	3984	< 0.01	852.4
c2-287	3.74	60.8	354	18.3	342	1.96	32.7	5.03	387	744	140	3966	< 0.01	850.9
c2-288	3.82	69.1	305	28.5	274	1.99	43.5	5.10	344	773	143	4151	< 0.01	849.5
c2-289	4.10	60.7	319	33.1	-	2.25	22.4	6.04	367	799	149	4197	< 0.01	848.0
c2-290	4.66	67.6	352	11.2	209	2.13	31.1	5.56	386	805	137	4229	< 0.01	846.5
c2-291	3.58	66.0	261	29.3	-	2.08	35.6	3.96	351	767	143	3948	< 0.01	845.1
c2-292	4.68	59.1	238	41.7	244	1.85	25.4	4.73	384	767	144	4127	< 0.01	843.6
c2-293	4.50	63.7	234	26.6	276	1.50	36.5	4.49	373	769	140	4050	< 0.01	842.1
c2-294	4.22	54.5	236	16.8	354	2.17	24.3	5.65	375	785	145	4150	< 0.01	840.6
c2-295	3.66	61.4	252	22.2	275	2.00	28.1	5.72	336	782	150	4049	< 0.01	839.2
c2-296	4.55	69.5	231	26.9	243	1.91	22.2	5.92	360	772	146	4134	< 0.01	837.7
c2-297	3.49	65.9	223	23.6	357	1.66	38.4	5.70	359	795	144	-	< 0.01	836.2
c2-298	3.24	49.1	231	28.5	278	1.57	35.7	4.84	314	782	139	4156	< 0.01	834.8
c2-299	3.61	44.3	216	32.3	133	1.65	22.2	5.10	326	784	146	4085	< 0.01	833.3
c2-300	4.18	64.2	212	26.3	309	1.42	25.8	4.39	330	749	136	4043	< 0.01	831.8
c2-301	4.22	46.2	202	27.7	126	1.75	24.1	4.43	295	756	134	3816	< 0.01	830.3
c2-302	3.82	39.9	192	31.2	592	1.28	25.6	6.26	321	778	144	3967	< 0.01	828.9
c2-303	4.69	43.1	201	27.3	169	2.80	28.4	4.54	318	790	138	4082	< 0.01	827.4
c2-304	3.64	47.4	205	21.4	403	2.90	24.0	4.70	320	849	143	4163	< 0.01	825.9
c2-305	4.57	47.8	193	38.8	323	2.07	21.5	6.60	320	805	139	4109	< 0.01	824.4
c2-306	4.09	36.7	282	16.8	127	1.94	28.3	4.19	319	739	134	3882	< 0.01	823.0
c2-307	4.39	67.7	256	25.3	386	2.33	29.3	4.34	341	790	136	4178	< 0.01	821.5
c2-308	3.66	50.3	253	28.9	201	1.67	19.6	5.61	328	813	136	4055	< 0.01	820.0
c2-309	3.49	54.1	271	32.5	164	2.71	16.3	4.93	310	839	152	4089	< 0.01	818.6
c2-310	4.35	76.8	245	27.9	165	1.85	33.9	4.48	335	802	142	4086	< 0.01	817.1
c2-311	4.25	50.9	210	16.0	268	1.58	34.4	5.20	332	808	141	4131	< 0.01	815.6
c2-312	4.38	49.0	233	19.2	485	2.85	26.6	5.68	320	822	135	4084	< 0.01	814.1
c2-313	3.36	49.3	236	22.1	492	1.81	44.7	5.34	325	819	150	4100	< 0.01	812.7
c2-314	3.41	55.0	231	24.6	369	1.62	30.0	4.56	324	797	142	3809	< 0.01	811.2
c2-315	3.16	45.8	332	27.3	228	1.90	42.6	4.82	308	781	128	3799	< 0.01	809.7
c2-316	4.37	48.3	220	24.2	431	1.71	24.6	4.38	296	774	129	3918	< 0.01	808.3
c2-317	4.41	45.4	227	28.5	345	1.61	27.8	6.31	319	834	134	4036	< 0.01	806.8
c2-318	3.90	40.5	223	16.3	353	2.29	31.7	4.38	320	855	151	4203	< 0.01	805.3
c2-319	3.75	37.0	257	20.5	277	1.88	27.1	5.53	288	826	136	4006	< 0.01	803.8

c2-320	3.96	57.7	208	19.3	352	2.79	40.0	5.67	329	850	142	4112	< 0.01	802.4
c2-321	4.61	40.7	304	23.1	204	1.75	23.0	4.98	330	831	133	4058	< 0.01	800.9
c2-322	4.16	47.0	215	26.8	242	2.09	30.5	5.63	363	860	149	4084	< 0.01	799.4
c2-323	3.78	57.5	231	23.1	371	2.18	27.1	6.19	348	816	131	4023	< 0.01	797.9
c2-324	3.30	61.0	242	25.3	422	1.50	33.4	5.03	382	843	144	4117	< 0.01	796.5
c2-325	4.46	61.8	224	26.6	392	2.37	35.0	5.17	373	866	134	4053	< 0.01	795.0
c2-326	4.14	46.4	253	30.4	357	1.80	38.5	5.21	387	863	147	4224	< 0.01	793.5
c2-327	4.21	49.1	229	19.4	-	1.78	25.4	5.43	-	846	136	4214	< 0.01	792.1
c2-328	3.73	54.4	209	30.8	232	1.94	31.3	4.76	-	809	133	3834	< 0.01	790.6
c2-329	3.78	48.0	191	27.3	279	1.77	21.1	3.94	-	883	143	4137	< 0.01	789.1
c2-330	3.42	64.7	215	27.7	246	2.06	32.1	4.82	-	852	142	4121	< 0.01	787.6
c2-331	3.25	50.4	268	18.2	304	1.58	20.3	4.43	-	829	131	3966	< 0.01	786.2
c2-332	3.92	72.8	214	10.2	306	1.84	32.7	4.77	-	858	148	4124	< 0.01	784.7
c2-333	4.56	71.1	242	24.6	381	1.04	31.0	5.09	-	874	136	4158	< 0.01	783.2
c2-334	3.82	78.6	215	22.2	164	1.78	-	4.82	-	854	134	4161	< 0.01	781.8
c2-335	4.23	80.8	218	23.1	494	1.88	34.4	5.47	-	890	135	4362	< 0.01	780.3
c2-336	4.60	72.2	204	32.0	267	1.94	31.3	4.66	-	859	141	3987	< 0.01	778.8
c2-337	4.10	67.1	267	40.0	344	1.60	27.8	4.43	-	875	143	4278	< 0.01	777.3
c2-338	3.86	68.4	243	30.0	333	1.86	23.9	5.17	-	853	138	3947	< 0.01	775.9
c2-339	4.23	72.8	227	31.1	161	2.18	24.1	4.85	-	883	139	4058	< 0.01	774.4
c2-340	4.48	86.0	249	28.0	612	2.10	27.9	5.44	-	872	138	4020	< 0.01	772.9
c2-341	3.67	88.0	268	23.9	230	2.23	29.1	4.63	-	835	141	4065	< 0.01	771.4
c2-342	4.27	92.3	379	40.9	499	1.70	35.8	5.29	-	893	143	4105	< 0.01	770.0
c2-343	3.87	-	-	40.5	542	1.49	33.9	5.33	-	861	135	4129	< 0.01	768.5
c2-344	3.88	-	-	43.6	-	1.78	-	6.04	-	864	140	4135	< 0.01	767.0
c2-345	4.22	-	-	49.6	-	1.67	40.8	5.11	-	856	137	3908	< 0.01	765.6
c2-346	4.78	-	-	41.7	-	2.54	-	5.07	-	813	134	3718	< 0.01	764.1
c2-347	3.79	-	-	-	491	1.30	44.6	5.10	-	860	146	3887	< 0.01	762.6
c2-348	4.36	-	-	44.9	-	2.01	-	6.56	-	822	136	3937	< 0.01	761.1
c2-349	3.89	-	-	37.7	-	1.46	-	5.47	-	867	136	4185	< 0.01	759.7
c2-350	4.45	-	-	40.8	446	1.96	37.6	5.80	-	877	136	3994	< 0.01	758.2
c2-351	4.08	-	-	44.5	-	1.30	33.1	5.04	-	876	131	3937	< 0.01	756.7
c2-352	4.19	-	-	35.8	381	1.73	31.0	6.69	-	883	137	3996	< 0.01	755.3
c2-353	3.91	-	-	26.2	277	2.08	40.8	6.51	-	899	140	4018	< 0.01	753.8
c2-354	4.63	-	-	39.4	400	1.69	34.7	5.34	-	895	137	4046	< 0.01	752.3
c2-355	4.69	91.2	-	41.3	318	2.37	37.2	5.51	-	883	138	4021	< 0.01	750.8
c2-356	4.16	80.4	-	31.4	313	2.45	27.1	6.01	-	888	134	4201	< 0.01	749.4
c2-357	4.17	65.7	330	44.6	169	2.03	39.0	6.18	-	907	138	4207	< 0.01	747.9

c2-358	4.27	58.8	268	24.4	531	0.99	32.3	5.84	353	921	140	4178	< 0.01	746.4
c2-359	4.34	68.6	247	19.9	269	1.46	21.3	4.53	334	864	138	3800	< 0.01	744.9
c2-360	3.72	69.2	257	15.3	314	2.40	35.6	5.16	357	900	136	4094	< 0.01	743.5
c2-361	5.11	69.0	251	23.4	275	1.68	32.2	5.34	365	896	136	4088	< 0.01	742.0
c2-362	4.85	71.3	272	25.3	329	2.25	30.8	4.85	370	955	143	4245	< 0.01	740.5
c2-363	4.41	68.6	254	30.6	481	2.64	31.5	5.95	342	918	127	4013	< 0.01	739.1
c2-364	5.27	62.6	249	34.6	490	1.67	25.8	5.47	333	934	138	4201	< 0.01	737.6
c2-365	3.84	51.0	263	33.0	160	1.98	23.0	5.85	368	880	134	3815	< 0.01	736.1
c2-366	4.81	46.6	275	21.8	235	1.41	31.7	5.41	343	869	129	3988	< 0.01	734.6
c2-367	5.04	55.4	231	11.6	166	1.67	21.7	4.88	347	879	128	4158	< 0.01	733.2
c2-368	4.35	54.2	224	25.5	419	2.06	31.1	4.41	366	892	138	4013	< 0.01	731.7
c2-369	4.44	49.5	229	29.5	203	2.00	36.4	5.39	351	915	139	4024	< 0.01	730.2
c2-370	4.50	53.9	257	31.4	209	2.26	26.8	5.39	355	934	132	4182	< 0.01	728.8
c2-371	4.47	45.9	251	39.1	275	2.25	31.2	4.69	348	928	138	4077	< 0.01	727.3
c2-372	4.66	45.3	237	37.4	529	1.94	24.9	4.37	348	957	134	4103	< 0.01	725.8
c2-373	4.09	38.7	268	27.9	272	2.60	30.8	5.11	358	932	142	3922	< 0.01	724.3
c2-374	4.85	55.4	266	21.6	159	1.91	25.8	4.94	375	904	129	4015	< 0.01	722.9
c2-375	4.73	50.1	273	23.5	266	1.81	21.1	4.90	343	928	133	4092	< 0.01	721.4
c2-376	4.48	63.0	318	25.7	407	1.88	32.2	5.17	329	903	134	3879	< 0.01	719.9
c2-377	4.88	65.9	328	26.0	311	1.68	28.0	5.82	356	940	137	4097	< 0.01	718.4
c2-378	4.56	66.2	274	29.3	94	2.18	26.8	4.93	378	928	140	4021	< 0.01	717.0
c2-379	3.85	56.9	287	21.5	535	2.15	37.9	4.26	355	954	140	4036	< 0.01	715.5
c2-380	4.64	55.7	277	34.5	376	1.96	33.6	5.54	356	935	133	3960	< 0.01	714.0
c2-381	4.99	62.9	258	41.2	347	2.38	28.0	4.90	355	920	136	3964	< 0.01	712.6
c2-382	4.54	65.2	254	33.5	272	2.17	25.7	5.28	342	945	135	4036	< 0.01	711.1
c2-383	5.54	70.7	262	26.4	94	1.93	33.1	-	357	965	140	4117	< 0.01	709.6
c2-384	4.58	77.7	239	18.2	445	1.76	32.4	5.41	361	932	138	3981	< 0.01	708.1
c2-385	4.92	79.0	237	35.4	532	2.14	33.5	5.53	379	961	133	4066	< 0.01	706.7
c2-386	4.68	57.9	213	30.8	268	1.64	22.2	4.66	345	893	127	3981	< 0.01	705.2
c2-387	4.48	53.5	217	12.9	273	1.36	22.7	4.39	359	943	142	4037	< 0.01	703.7
c2-388	4.85	49.2	233	19.1	198	2.20	31.5	6.01	344	967	137	4035	< 0.01	702.3
c2-389	4.65	44.6	224	28.8	127	2.57	22.3	4.99	344	940	133	4068	< 0.01	700.8
c2-390	4.97	65.3	222	23.4	376	2.77	27.5	6.76	368	935	133	4061	< 0.01	699.3
c2-391	5.66	37.4	229	19.2	-	1.69	20.9	6.01	383	957	141	4047	< 0.01	697.8
c2-392	4.32	39.9	214	30.5	198	2.20	28.3	5.09	333	953	138	3867	< 0.01	696.4
c2-393	4.91	50.4	233	14.5	205	2.15	27.3	5.02	364	1012	141	3977	< 0.01	694.9
c2-394	4.71	52.4	259	22.4	309	1.92	17.5	5.03	379	994	143	4112	< 0.01	693.4
c2-395	3.92	57.5	319	29.2	127	2.44	32.3	5.45	389	960	131	3919	< 0.01	691.9

c2-396	4.61	52.4	280	21.8	406	1.50	26.1	5.57	329	944	130	3904	< 0.01	690.5
c2-397	5.62	66.5	248	31.3	409	1.70	38.4	4.56	374	944	134	4047	< 0.01	689.0
c2-398	5.27	60.4	274	26.4	359	2.46	25.7	5.39	393	1047	139	4326	< 0.01	687.5
c2-399	5.01	48.0	244	28.8	233	1.39	20.2	5.36	380	996	144	4097	< 0.01	686.1
c2-400	5.64	66.1	244	42.4	-	1.99	27.9	5.85	367	993	136	4162	< 0.01	684.6
c2-401	4.32	57.8	252	18.7	333	1.37	20.9	4.90	365	965	137	4119	< 0.01	683.1
c2-402	4.04	66.3	241	28.4	234	1.71	35.5	5.05	420	959	125	4222	< 0.01	681.6
c2-403	4.80	63.7	257	27.3	-	1.81	28.0	6.67	397	1006	139	4079	< 0.01	680.2
c2-404	4.46	65.3	240	17.6	451	1.91	27.7	5.64	371	994	140	3923	< 0.01	678.7
c2-405	4.68	67.3	237	22.9	418	1.80	25.9	5.31	361	1023	143	4049	< 0.01	677.2
c2-406	4.25	64.7	219	25.3	303	2.44	30.3	5.09	355	1014	132	4037	< 0.01	675.8
c2-407	5.35	57.6	223	22.9	382	1.68	30.0	4.24	370	1022	145	4089	< 0.01	674.3
c2-408	5.49	51.1	217	20.3	417	1.80	31.0	4.66	338	1018	143	4140	< 0.01	672.8
c2-409	5.51	53.1	302	25.2	266	1.50	23.1	5.21	343	992	134	4021	< 0.01	671.3
c2-410	5.23	75.8	324	26.8	270	2.15	24.4	4.97	357	1009	139	4045	< 0.01	669.9
c2-411	4.71	53.2	321	34.3	200	1.35	50.2	5.21	374	1021	137	4191	< 0.01	668.4
c2-412	5.23	59.3	299	37.2	382	1.99	33.1	4.96	358	930	120	3775	< 0.01	666.9
c2-413	5.33	66.7	350	44.4	237	2.11	26.8	5.94	356	1014	135	4186	< 0.01	665.4
c2-414	5.24	61.7	317	29.5	419	1.62	44.6	6.50	359	1101	133	4049	< 0.01	664.0
c2-415	5.13	44.5	-	20.0	164	1.90	23.5	5.72	356	1018	139	4072	< 0.01	662.5
c2-416	4.96	54.6	298	21.8	235	2.47	32.7	4.94	359	1018	135	4019	< 0.01	661.0
c2-417	5.43	40.3	291	16.4	130	1.93	25.9	4.30	365	1049	142	3965	< 0.01	659.6
c2-418	4.87	47.4	252	26.8	202	2.24	22.8	5.91	350	1052	143	4186	< 0.01	658.1
c2-419	5.94	37.2	236	37.6	164	1.78	23.5	6.04	357	1053	129	4077	< 0.01	656.6
c2-420	5.08	48.8	206	20.5	370	1.62	27.1	4.32	332	997	134	4010	< 0.01	655.1
c2-421	4.35	44.9	224	20.3	238	1.61	26.9	5.10	319	1050	141	3888	< 0.01	653.7
c2-422	6.18	48.3	220	-	341	1.15	22.4	5.23	332	1030	138	3954	< 0.01	652.2
c2-423	5.32	33.2	212	35.9	306	1.78	24.5	5.41	335	1047	137	3934	< 0.01	650.7
c2-424	5.50	32.8	200	31.8	614	1.74	21.0	5.50	340	1033	140	3951	< 0.01	649.3
c2-425	5.75	33.9	213	29.2	516	1.95	20.3	4.94	326	1030	137	3950	< 0.01	647.8
c2-426	5.51	41.6	229	40.3	239	2.31	29.0	5.27	366	1035	141	4051	< 0.01	646.3
c2-427	4.76	47.6	218	23.3	499	2.60	35.8	6.33	348	1091	136	4014	< 0.01	644.8
c2-428	5.57	43.7	312	24.9	344	2.67	33.9	4.64	382	1070	141	4060	< 0.01	643.4
c2-429	4.82	44.6	293	27.9	379	2.16	33.8	5.80	363	1073	137	3940	< 0.01	641.9
c2-430	5.17	44.0	255	19.6	300	2.05	29.0	4.88	358	1050	135	3978	< 0.01	640.4
c2-431	4.82	42.6	300	20.8	269	2.08	28.5	5.01	337	1058	141	3981	< 0.01	638.9
c2-432	5.91	55.2	271	36.8	238	2.12	26.9	6.02	345	1132	142	4110	< 0.01	637.5
c2-433	5.61	42.8	235	21.2	481	1.95	28.4	5.53	351	1064	138	4030	< 0.01	636.0

c2-434	6.24	52.8	271	22.5	598	1.80	30.0	6.17	365	1139	142	3942	< 0.01	634.5
c2-435	5.55	42.7	245	24.4	240	1.69	30.3	5.42	338	1126	127	4020	< 0.01	633.1
c2-436	5.06	50.7	241	28.6	378	1.53	32.7	4.08	344	1098	137	3988	< 0.01	631.6
c2-437	5.44	37.2	233	24.3	301	1.63	28.1	5.15	332	1056	137	3885	< 0.01	630.1
c2-438	5.25	46.9	266	34.4	446	1.83	28.4	5.11	302	1091	128	3976	< 0.01	628.6
c2-439	5.10	46.4	221	36.7	372	1.94	33.2	4.86	384	1094	139	3952	< 0.01	627.2
c2-440	5.79	75.4	-	27.5	272	3.10	-	5.49	320	1121	136	3904	< 0.01	625.7
c2-441	6.03	86.5	246	25.2	371	2.06	19.1	5.22	335	1072	135	4017	< 0.01	624.2
c2-442	5.49	60.7	274	32.4	314	1.76	20.9	5.60	358	1097	135	4162	< 0.01	622.8
c2-443	6.02	60.0	285	26.8	238	1.87	33.1	6.23	336	1132	140	4057	< 0.01	621.3
c2-444	6.45	80.5	285	14.7	546	1.99	20.1	4.64	348	1070	132	4091	< 0.01	619.8
c2-445	6.32	43.7	317	19.5	541	2.16	27.9	3.82	376	1196	134	3940	< 0.01	618.3
c2-446	5.36	50.0	-	17.3	-	1.72	33.6	4.51	321	1119	129	4070	< 0.01	616.9
c2-447	5.77	49.1	250	26.1	218	1.82	20.8	5.01	305	1049	122	3757	< 0.01	615.4
c2-448	5.61	57.4	264	29.0	293	1.17	26.4	4.31	332	1078	133	4394	< 0.01	613.9
c2-449	5.39	70.6	257	32.4	372	2.18	16.1	5.17	340	1131	132	3909	< 0.01	612.4
c2-450	4.68	57.6	244	38.2	89	2.19	28.5	5.65	325	1087	132	3852	< 0.01	611.0
c2-451	5.88	61.1	232	22.4	127	2.26	29.3	5.19	322	1139	133	4037	< 0.01	609.5
c2-452	5.03	63.5	241	11.1	399	2.26	28.6	4.91	333	1100	132	3884	< 0.01	608.0
c2-453	5.74	54.6	268	26.8	412	1.84	19.3	5.39	354	1187	135	3929	< 0.01	606.6
c2-454	5.47	58.1	242	15.1	275	2.56	23.8	5.70	378	1158	133	4019	< 0.01	605.1
c2-455	5.92	77.7	230	17.7	339	2.26	32.4	4.83	334	1098	132	3908	< 0.01	603.6
c2-456	4.77	61.1	261	32.6	420	2.00	26.0	5.66	334	1159	134	3960	< 0.01	602.1
c2-457	5.03	60.2	228	23.9	275	1.81	23.9	5.87	377	1221	147	3881	< 0.01	600.7
c2-458	5.51	54.0	218	13.9	197	2.07	18.2	5.50	342	1162	136	4084	< 0.01	599.2
c2-459	5.94	67.0	214	31.2	382	2.12	20.7	5.58	317	1217	145	4408	< 0.01	597.7
c2-460	6.16	49.3	216	20.3	257	1.69	34.0	6.39	322	1130	128	3791	< 0.01	596.3
c2-461	5.39	60.6	249	26.6	298	1.67	32.8	5.63	318	1162	136	4110	< 0.01	594.8
c2-462	6.77	56.6	282	40.5	448	2.40	32.6	6.56	337	1153	140	4143	< 0.01	593.3
c2-463	6.07	63.1	-	40.7	164	1.91	-	6.01	335	1177	137	3952	< 0.01	591.8
c2-464	6.59	85.5	291	28.1	231	1.81	26.1	5.37	320	1171	132	4020	< 0.01	590.4
c2-465	6.88	64.7	261	24.5	273	2.42	33.0	5.51	348	1167	132	4072	< 0.01	588.9
c2-466	5.41	67.2	263	33.0	127	1.64	22.2	5.25	334	1203	134	3987	< 0.01	587.4
c2-467	5.35	59.5	259	34.5	442	2.06	27.2	5.28	368	1175	136	3915	< 0.01	585.9
c2-468	5.63	57.2	227	41.5	303	2.07	27.3	5.93	373	1199	136	3991	< 0.01	584.5
c2-469	5.33	67.7	235	28.6	358	1.93	29.9	5.43	375	1256	144	4129	< 0.01	583.0
c2-470	5.58	57.0	242	30.6	198	2.26	30.5	4.95	349	1195	137	4146	< 0.01	581.5
c2-471	6.52	57.4	223	35.5	508	2.23	37.0	4.46	410	1206	137	3920	< 0.01	580.1

c2-472	5.67	65.2	211	26.2	92	2.01	30.4	5.62	421	1259	141	3840	< 0.01	578.6
c2-473	6.64	78.9	283	22.2	307	1.28	26.6	5.84	459	1226	138	3807	< 0.01	577.1
c2-474	6.62	-	281	22.3	337	2.00	35.3	5.64	-	1182	129	3916	< 0.01	575.6
c2-475	6.19	-	288	39.1	343	1.97	23.6	6.70	-	1229	135	4027	< 0.01	574.2
c2-476	5.63	-	269	18.2	198	2.32	29.4	5.15	-	1209	141	4021	< 0.01	572.7
c2-477	5.49	-	244	29.9	362	2.25	26.5	5.39	418	1136	134	3811	< 0.01	571.2
c2-478	5.22	97.6	250	42.9	160	2.28	31.9	6.30	420	1210	135	3883	< 0.01	569.8
c2-479	6.62	77.6	237	31.5	367	1.85	26.8	4.38	408	1202	140	4144	< 0.01	568.3
c2-480	5.86	69.4	288	16.4	232	2.00	28.2	4.81	373	1234	133	3893	< 0.01	566.8
c2-481	6.08	61.0	339	41.3	384	2.06	25.0	6.04	402	1212	140	4079	< 0.01	565.3
c2-482	6.03	55.0	316	23.2	381	2.11	26.8	5.56	363	1294	133	3986	< 0.01	563.9
c2-483	6.16	61.6	288	28.9	234	1.83	20.3	4.85	406	1218	136	3974	< 0.01	562.4
c2-484	7.18	71.8	260	29.2	593	2.16	26.7	5.90	399	1218	138	4023	< 0.01	560.9
c2-485	7.25	79.1	271	20.0	240	2.70	36.4	5.56	452	1277	142	4135	< 0.01	559.4
c2-486	6.04	85.0	289	30.9	622	2.07	32.4	6.62	455	1258	138	3937	< 0.01	558.0
c2-487	6.75	-	290	23.8	427	1.78	38.0	6.08	-	1304	144	4135	< 0.01	556.5
c2-488	6.14	98.7	279	35.4	417	1.23	26.8	6.15	465	1260	136	3963	< 0.01	555.0
c2-489	5.81	85.4	269	20.8	482	2.27	26.5	6.60	422	1265	140	3984	< 0.01	553.6
c2-490	5.34	84.1	257	21.4	165	1.85	19.5	5.96	420	1261	141	4025	< 0.01	552.1
c2-491	5.89	79.7	253	25.7	450	2.16	39.0	5.32	412	1271	140	4010	< 0.01	550.6
c2-492	6.23	-	295	24.2	465	1.95	36.3	5.64	363	1257	135	3848	< 0.01	549.1
c2-493	5.65	74.3	319	32.9	299	1.55	38.9	5.38	406	1284	133	3914	< 0.01	547.7
c2-494	6.14	69.8	-	40.2	-	1.99	26.0	4.93	366	1282	131	3768	< 0.01	546.2
c2-495	5.92	84.2	370	37.2	299	2.35	38.0	5.39	435	1303	130	3975	< 0.01	544.7
c2-496	6.03	70.7	344	36.4	265	1.62	22.0	5.50	403	1296	135	3979	< 0.01	543.3
c2-497	5.73	81.3	281	-	297	1.91	29.7	6.43	429	1282	139	3939	< 0.01	541.8
c2-498	6.31	55.2	270	17.8	436	2.46	41.7	5.77	447	1284	136	3988	< 0.01	540.3
c2-499	6.00	49.6	237	30.0	320	2.07	16.2	5.55	409	1271	131	3826	< 0.01	538.8
c2-500	6.95	78.7	237	17.3	232	3.11	34.3	6.23	444	1352	142	3899	< 0.01	537.4
c2-501	-	77.5	285	27.0	539	2.03	34.7	4.68	385	1330	129	4300	< 0.01	535.9
c2-502	6.20	62.5	263	42.6	230	2.10	20.0	5.44	367	1336	137	3964	< 0.01	534.4
c2-503	6.43	58.3	291	21.3	412	1.59	29.5	6.71	381	1347	138	4182	< 0.01	532.9
c2-504	7.30	83.0	331	25.4	345	1.36	21.7	5.19	398	1405	139	4182	< 0.01	531.5
c2-505	7.17	72.4	292	39.7	-	2.13	35.3	5.81	413	1390	136	4144	< 0.01	530.0
c2-506	6.28	93.9	338	41.9	413	2.09	22.5	5.68	-	1360	138	4006	< 0.01	528.5
c2-507	6.99	92.4	306	21.1	-	1.30	34.6	6.10	495	1325	135	3796	< 0.01	527.1
c2-508	6.78	85.7	314	38.4	619	1.45	35.4	5.87	448	1321	131	3874	< 0.01	525.6
c2-509	6.24	87.0	293	38.1	414	1.84	21.5	6.05	422	1326	142	3969	< 0.01	524.1

c2-510	7.06	81.9	263	34.8	312	2.13	33.3	5.56	368	1370	133	3841	< 0.01	522.6
c2-511	6.08	58.3	208	18.8	413	1.90	30.6	5.77	319	1398	132	3765	< 0.01	521.2
c2-512	7.18	61.4	217	25.8	373	1.95	22.2	5.19	318	1372	134	3924	< 0.01	519.7
c2-513	6.29	63.9	200	24.8	400	2.09	27.7	4.78	319	1355	137	3889	< 0.01	518.2
c2-514	7.78	63.3	202	18.8	378	2.53	26.6	5.31	341	1383	143	4230	< 0.01	516.8
c2-515	6.18	66.1	231	34.6	329	1.96	29.5	6.54	325	1400	136	4023	< 0.01	515.3
c2-516	6.15	55.3	232	39.1	495	2.11	39.0	4.59	312	1363	143	3882	< 0.01	513.8
c2-517	7.31	68.5	254	26.1	271	2.59	-	5.84	315	1468	139	4123	< 0.01	512.3
c2-518	6.11	77.3	-	45.9	337	2.06	31.2	5.54	345	1393	136	4149	< 0.01	510.9
c2-519	6.55	-	-	24.6	586	2.20	30.4	7.10	368	1418	149	3909	< 0.01	509.4
c2-520	6.77	-	-	47.1	293	2.60	29.3	6.08	458	1407	133	3702	< 0.01	507.9
c2-521	7.76	-	-	-	486	2.72	-	6.38	-	1444	137	3976	0.109	506.4
c2-522	6.82	-	-	-	620	1.76	41.5	6.50	-	1400	139	3990	0.091	505.0
c2-523	6.97	-	-	-	325	2.34	39.8	7.40	-	1399	134	3688	0.104	503.5
c2-524	6.95	-	-	30.3	527	2.18	-	7.41	-	1450	146	3994	0.127	502.0
c2-525	7.55	-	-	50.6	-	1.71	-	6.22	-	1389	136	3719	0.058	500.6
c2-526	7.37	-	-	26.7	-	1.36	44.4	6.69	456	1467	138	3764	0.042	499.1
c2-527	5.67	-	-	30.1	543	1.80	44.0	6.07	377	1400	132	3825	0.024	497.6
c2-528	5.82	77.7	-	37.7	335	3.15	41.1	6.38	343	1398	137	3933	0.057	496.1
c2-529	6.03	90.7	317	-	429	1.94	38.1	6.33	335	1398	134	3746	0.072	494.7
c2-530	6.70	97.1	279	29.5	302	2.50	36.3	6.43	310	1457	145	3766	-	493.2
c2-531	7.06	56.3	261	-	468	1.96	26.7	5.84	301	1412	132	3682	0.040	491.7
c2-532	6.38	67.2	285	34.9	476	2.67	27.1	6.25	289	1456	138	3796	0.074	490.3
c2-533	6.50	56.8	313	27.9	374	2.56	29.3	5.20	283	1483	136	3921	0.058	488.8
c2-534	5.75	38.6	244	26.8	663	1.81	36.0	6.05	284	1403	136	3785	0.024	487.3
c2-535	6.77	56.2	262	34.1	412	2.34	30.6	6.82	311	1499	137	4071	0.109	485.8
c2-536	6.54	61.4	249	28.5	454	1.84	36.4	5.87	287	1380	130	3672	0.086	484.4
c2-537	6.65	76.5	289	23.2	337	2.25	38.3	6.53	337	1411	143	3739	0.025	482.9
c2-538	7.32	96.2	304	30.9	335	1.80	29.0	6.43	389	1448	142	3704	0.057	481.4
c2-539	6.56	-	331	25.7	633	2.00	36.1	6.48	491	1453	141	3764	0.056	479.9
c2-540	6.52	-	396	38.0	565	2.18	19.5	7.25	-	1444	141	3699	-	478.5
c2-541	6.06	-	378	35.5	434	2.63	18.8	7.63	-	1442	140	3728	0.057	477.0
c2-542	6.87	96.0	384	39.0	521	1.91	45.1	7.75	-	1509	141	3694	0.059	475.5
c2-543	6.52	-	-	37.4	446	1.64	36.6	7.11	-	1507	140	3880	0.108	474.1
c2-544	7.80	-	-	42.8	300	1.93	40.1	8.68	-	1503	131	3848	-	472.6
c2-545	6.72	-	-	30.0	268	1.95	30.4	8.24	-	1512	131	3714	0.075	471.1
c2-546	6.91	-	-	32.2	374	2.32	29.4	6.73	-	1586	135	3845	0.041	469.6
c2-547	6.78	-	-	39.3	199	2.09	35.7	5.98	-	1547	137	3818	0.075	468.2

c2-548	6.23	-	367	41.7	399	2.14	30.6	7.62	-	1518	132	3598	0.057	466.7
c2-549	6.94	89.8	350	34.9	297	2.51	41.7	7.10	-	1479	136	3733	-	465.2
c2-550	6.62	83.9	374	26.5	232	2.19	28.2	8.26	-	1501	132	3717	0.074	463.8
c2-551	6.36	86.2	-	20.0	92	1.96	30.6	6.02	490	1479	139	3772	0.042	462.3
c2-552	7.00	87.8	351	26.7	439	2.78	39.0	7.36	487	1569	135	3622	0.041	460.8
c2-553	7.04	80.8	370	-	202	2.74	33.0	6.91	-	1562	142	3919	0.042	459.3
c2-554	7.08	87.9	332	37.6	350	2.58	32.4	8.50	479	1646	151	3836	0.026	457.9
c2-555	6.10	89.9	309	35.3	426	2.55	38.0	7.49	-	1610	149	3799	0.026	456.4
c2-556	7.23	74.9	350	46.6	449	2.90	30.7	7.00	-	1600	148	3728	0.025	454.9
c2-557	7.28	94.5	313	30.2	350	2.08	33.5	8.79	-	1661	147	3818	-	453.4
c2-558	6.32	81.3	304	34.9	204	1.50	33.4	7.89	-	1630	149	3820	0.043	452.0
c2-559	6.83	88.0	366	30.9	421	2.45	27.1	6.37	-	1682	152	3862	0.025	450.5
c2-560	6.95	68.7	321	23.7	-	2.69	28.4	7.78	-	1630	143	3807	0.025	449.0
c2-561	6.41	82.9	317	19.7	266	2.05	24.1	7.33	501	1619	146	3611	0.057	447.6
c2-562	7.83	91.1	-	40.6	-	2.65	29.2	8.01	-	1683	145	3912	0.077	446.1
c2-563	6.19	-	-	37.3	-	1.97	31.7	6.94	-	1671	147	4016	0.057	444.6
c2-564	6.81	-	-	42.1	-	1.67	41.2	6.56	-	1622	139	3531	-	443.1
c2-565	7.13	-	-	54.8	-	1.66	44.0	8.23	-	1630	144	3618	0.071	441.7
c2-566	7.65	-	-	-	-	1.55	-	8.77	-	1657	147	3806	0.102	440.2
c2-567	7.56	-	-	-	-	2.53	-	8.23	-	1554	157	3508	0.067	438.7
c2-568	6.46	-	-	43.4	-	2.68	-	-	-	1523	157	3642	0.124	437.3
c2-569	6.25	-	-	-	-	2.44	-	8.86	-	-	-	3643	0.134	435.8
c2-570	6.49	-	-	-	-	2.65	43.0	-	-	-	-	3759	0.020	434.3
c2-571	-	-	-	-	-	2.50	-	-	-	-	-	3713	0.109	432.8
c2-572	-	-	-	48.1	-	2.70	43.0	-	-	-	-	3840	0.135	431.4
c2-573	-	-	-	-	-	2.87	-	-	-	-	-	3860	-	429.9
c2-574	-	-	-	-	-	2.75	-	8.98	-	-	-	-	-	428.4
c2-575	-	-	-	-	-	2.64	-	-	-	-	-	-	0.123	426.9
c2-576	-	-	-	-	-	2.53	29.9	8.26	-	-	-	-	0.143	425.5
c2-577	-	-	-	41.6	-	2.18	-	-	-	-	-	-	0.077	424.0
c2-578	-	-	-	-	-	2.58	39.0	-	-	-	-	-	0.113	422.5
c2-579	-	-	-	31.2	-	2.21	31.2	8.21	-	-	-	3846	0.031	421.1
c2-580	-	-	397	30.8	-	3.50	39.6	-	-	1555	155	3798	0.058	419.6
c2-581	-	-	-	32.6	-	2.53	30.2	7.95	-	1534	159	3770	0.020	418.1
c2-582	5.99	-	344	38.2	-	2.36	27.5	6.99	-	1561	162	3721	0.095	416.6
c2-583	6.07	-	320	37.4	-	2.81	25.1	8.20	499	1740	156	-	-	415.2
c2-584	6.70	-	281	28.8	-	2.22	33.1	7.78	413	1697	147	3474	0.053	413.7
c2-585	6.71	-	393	38.7	-	3.18	26.3	8.39	437	1809	153	3579	0.040	412.2

c2-586	7.40	89.6	371	30.5	-	2.02	36.5	8.55	497	1786	150	3533	0.057	410.8
c2-587	6.37	-	276	34.9	328	3.32	27.5	7.22	455	1842	141	3490	0.088	409.3
c2-588	7.57	92.3	316	29.0	297	2.21	28.7	7.75	453	1831	152	3621	0.089	407.8
c2-589	7.40	82.2	298	31.2	294	2.01	37.3	-	423	1830	147	3565	0.121	406.3
c2-590	7.84	74.4	308	17.5	199	2.09	27.6	7.58	511	1907	146	3561	0.092	404.9
c2-591	7.23	64.9	287	35.0	334	1.98	33.9	6.93	395	1884	142	3420	0.041	403.4
c2-592	6.74	81.9	278	27.8	302	2.07	22.2	8.89	455	1844	139	3413	0.058	401.9
c2-593	6.65	76.3	276	24.7	300	2.66	25.0	-	431	1881	147	3455	0.057	400.4
c2-594	8.04	80.7	274	10.0	196	2.97	26.1	7.76	479	1912	140	3501	0.041	399.0
c2-595	7.51	79.4	340	20.0	312	2.00	30.2	7.56	477	1975	156	3621	0.145	397.5
c2-596	7.95	62.1	279	22.6	203	2.95	25.0	7.61	468	1966	153	3538	0.043	396.0
c2-597	7.79	54.3	272	20.1	544	1.80	27.0	7.52	396	1969	142	3508	0.041	394.6
c2-598	8.16	63.8	281	22.2	449	2.66	24.6	7.59	441	1958	153	3442	0.042	393.1
c2-599	7.21	69.4	283	28.6	266	2.79	16.1	7.50	489	1908	144	3512	0.041	391.6
c2-600	7.46	82.5	277	18.6	469	2.45	27.7	7.86	499	1923	142	3361	0.041	390.1
c2-601	8.48	65.0	290	26.7	374	3.37	31.4	8.04	472	2019	145	3462	0.091	388.7
c2-602	7.74	66.9	272	20.7	462	2.54	24.2	-	478	2063	152	3429	0.060	387.2
c2-603	8.48	73.0	272	19.3	126	2.12	16.1	-	445	1969	141	3423	0.058	385.7
c2-604	6.93	80.8	298	24.3	235	3.46	19.4	8.64	470	1983	144	3370	0.059	384.3
c2-605	7.62	66.7	272	15.5	370	2.60	21.0	8.72	446	2006	149	3454	0.041	382.8
c2-606	7.87	71.4	273	34.6	164	2.46	21.4	7.25	466	2102	144	3448	0.059	381.3
c2-607	7.20	64.3	265	20.5	266	2.24	20.0	7.17	446	1970	147	3389	0.041	379.8
c2-608	7.90	48.2	262	32.9	408	2.13	21.2	8.28	421	2001	146	3374	0.091	378.4
c2-609	7.47	75.1	232	36.3	341	2.34	28.6	7.14	444	2036	157	3409	0.142	376.9
c2-610	8.22	59.7	232	26.5	485	1.97	33.8	7.58	468	2113	149	3360	0.143	375.4
c2-611	8.81	70.1	247	29.0	337	3.47	32.2	8.14	465	2050	149	3362	0.025	373.9
c2-612	7.25	67.9	253	33.4	432	2.32	23.6	8.12	452	2083	142	3300	0.056	372.5
c2-613	7.87	74.3	268	27.5	195	2.47	27.9	7.70	452	2048	146	3380	0.123	371.0
c2-614	-	75.9	304	30.0	379	2.41	27.7	7.72	468	2077	153	3419	0.093	369.5
c2-615	8.02	89.5	293	35.5	334	2.47	18.0	8.13	451	2031	144	3345	0.041	368.1
c2-616	7.85	75.6	279	16.3	-	2.54	20.1	7.50	483	2054	149	3359	0.091	366.6
c2-617	8.63	65.8	251	29.3	467	2.62	36.5	7.82	440	2034	143	3262	0.154	365.1
c2-618	8.04	63.7	220	33.9	399	2.80	32.6	6.96	354	2020	149	3215	0.073	363.6
c2-619	7.89	67.0	207	33.2	376	2.89	17.3	7.02	303	2215	152	3430	0.159	362.2
c2-620	8.12	57.3	362	25.2	154	2.49	29.7	-	260	1978	152	3265	0.055	360.7
c2-621	8.73	70.3	178	48.3	291	2.52	23.3	8.65	257	2117	148	3227	0.103	359.2
c2-622	8.71	-	296	31.2	263	3.79	28.8	-	282	2154	151	3489	0.171	357.8
c2-623	8.10	-	348	46.1	-	2.00	30.4	6.84	285	2031	141	3211	0.179	356.3

c2-624	8.00	-	-	-	-	3.72	27.7	8.12	320	2232	155	3284	0.155	354.8
c2-625	7.60	-	-	-	-	3.12	-	7.82	436	2112	155	3241	0.115	353.3
c2-626	7.53	-	-	-	-	2.60	38.7	8.02	475	1911	163	3189	0.049	351.9
c2-627	6.83	-	-	-	-	3.24	-	8.71	367	-	-	3233	0.117	350.4
c2-628	6.51	-	-	-	-	3.53	-	7.26	386	-	-	3210	0.113	348.9
c2-629	-	-	-	51.6	-	2.53	50.2	8.56	418	-	-	3397	0.209	347.4
c2-630	-	-	-	-	-	3.53	29.2	8.22	383	-	-	3294	0.117	346.0
c2-631	-	-	-	54.2	-	3.52	32.0	8.15	341	-	-	3308	0.067	344.5
c2-632	-	-	-	46.7	-	4.22	33.0	-	351	-	-	3491	0.191	343.0
c2-633	-	-	392	51.0	-	3.38	27.9	-	361	-	162	3547	0.102	341.6
c2-634	-	-	-	48.7	-	3.35	38.8	-	308	-	165	3506	0.171	340.1
c2-635	-	-	367	38.5	-	3.53	47.5	-	363	-	-	-	0.041	338.6
c2-636	-	-	292	40.8	-	3.02	18.9	-	279	-	168	-	0.121	337.1
c2-637	-	-	-	37.4	-	3.50	33.1	8.47	323	-	-	-	0.110	335.7
c2-638	-	-	336	36.4	-	3.45	32.2	-	380	-	-	-	0.107	334.2
c2-639	-	-	313	42.6	-	3.17	39.6	8.32	316	-	-	-	0.099	332.7
c2-640	-	-	247	31.8	-	3.95	38.4	-	330	-	-	-	0.089	331.3
c2-641	-	-	290	31.2	-	3.03	27.4	-	312	-	-	-	0.129	329.8
c2-642	-	-	251	35.3	-	3.22	27.6	-	305	-	-	-	0.122	328.3
c2-643	-	-	-	26.9	-	3.34	26.9	-	326	-	-	3387	0.099	326.8
c2-644	-	-	321	42.7	-	3.47	38.2	-	236	-	-	3373	0.066	325.4
c2-645	-	-	255	34.6	-	3.32	35.5	-	296	-	-	3211	0.115	323.9
c2-646	-	-	357	50.9	-	4.31	35.5	-	264	-	-	3467	0.110	322.4
c2-647	-	-	296	-	-	3.85	34.5	-	278	-	-	3271	0.071	320.9
c2-648	-	-	349	40.9	-	2.20	34.2	-	256	-	155	2964	0.147	319.5
c2-649	-	-	227	44.9	-	2.74	27.8	8.16	233	-	162	2879	0.019	318.0
c2-650	6.30	-	393	39.9	-	2.61	36.5	7.18	216	-	150	2829	0.116	316.5
c2-651	-	-	173	30.2	-	2.75	23.5	8.16	203	-	146	2790	0.060	315.1
c2-652	6.21	-	203	31.0	-	3.81	28.4	6.87	196	-	150	2953	0.120	313.6
c2-653	6.30	-	192	39.7	-	3.20	29.6	7.67	189	-	153	3010	0.110	312.1
c2-654	6.15	-	187	42.7	-	2.31	21.9	8.36	240	-	152	2948	0.067	310.6
c2-655	6.14	-	230	36.4	-	2.66	27.7	6.79	268	1904	144	3076	0.133	309.2
c2-656	-	-	207	37.2	-	2.66	32.1	7.71	239	-	134	2855	0.203	307.7
c2-657	6.91	-	219	45.7	-	2.80	-	7.58	243	1913	137	2911	0.114	306.2
c2-658	6.92	-	292	38.0	509	2.54	20.6	6.70	192	1910	135	2902	0.084	304.8
c2-659	7.35	93.7	249	28.5	469	4.13	35.6	6.62	215	2061	151	3112	0.073	303.3
c2-660	6.76	88.2	315	34.2	550	2.76	26.6	6.66	207	-	136	2881	0.055	301.8
c2-661	7.26	-	344	44.4	-	2.91	27.5	6.67	209	-	138	3013	0.121	300.3

c2-662	6.94	80.9	327	35.5	578	3.43	33.0	6.41	209	-	138	2926	0.054	298.9
c2-663	-	67.5	341	28.6	255	3.26	26.0	7.74	190	-	136	2974	0.071	297.4
c2-664	7.17	72.8	263	-	498	2.21	24.7	6.70	194	-	-	2777	0.113	295.9
c2-665	8.36	79.8	285	44.9	-	3.71	35.1	5.94	217	2074	145	3052	0.173	294.4
c2-666	7.02	-	280	35.2	566	2.36	24.5	6.50	197	2070	144	2979	0.153	293.0
c2-667	7.54	64.7	283	37.6	158	2.86	34.5	7.16	197	2045	142	3031	0.121	291.5
c2-668	7.89	61.6	383	33.5	400	2.51	24.7	7.60	199	2103	151	3028	0.073	290.0
c2-669	7.73	64.1	233	45.1	477	3.53	22.1	6.06	204	2115	153	3129	0.074	288.6
c2-670	7.22	57.3	252	30.5	-	2.74	26.6	7.37	201	2112	147	3088	0.186	287.1
c2-671	7.91	58.1	223	30.7	498	2.90	23.5	6.10	188	2228	150	3058	0.105	285.6
c2-672	7.61	46.1	254	21.7	158	2.85	22.6	7.43	171	2226	156	3000	0.089	284.1
c2-673	7.32	58.5	257	29.6	408	2.56	31.3	6.91	175	2203	161	2969	0.091	282.7
c2-674	7.14	50.6	322	38.5	303	3.73	33.3	7.44	190	2202	145	3026	0.158	281.2
c2-675	7.95	69.7	209	32.6	384	3.46	37.5	7.12	171	2249	161	3065	0.094	279.7
c2-676	7.02	61.6	218	32.2	268	3.06	20.3	6.46	204	2185	152	2922	0.058	278.3
c2-677	7.92	-	198	21.5	-	2.34	23.3	6.75	172	2076	149	3015	0.231	276.8
c2-678	7.08	-	219	27.9	465	3.14	22.6	7.38	194	2186	172	2881	0.040	275.3
c2-679	8.67	-	168	42.7	338	2.69	22.2	7.45	182	2175	148	3080	0.058	273.8
c2-680	6.82	54.5	176	32.0	598	3.37	21.7	7.82	184	2271	154	3070	0.042	272.4
c2-681	7.49	48.3	168	22.2	482	2.69	19.9	6.64	155	2106	144	2785	0.054	270.9
c2-682	6.96	46.7	158	30.3	164	3.02	15.3	5.72	189	2239	147	2957	0.059	269.4
c2-683	6.94	68.0	165	35.7	539	3.18	20.8	6.17	157	2131	147	2765	0.236	267.9
c2-684	8.49	62.8	215	32.1	450	3.28	19.4	8.23	188	2224	156	2950	0.092	266.5
c2-685	6.81	62.3	207	48.3	266	2.61	25.1	7.24	183	2241	151	2882	0.124	265.0
c2-686	8.00	-	162	29.4	581	3.28	25.1	5.67	185	2260	159	2853	0.107	263.5
c2-687	9.01	66.3	171	19.8	344	2.61	20.6	6.89	158	2277	161	2942	0.110	262.1
c2-688	7.95	68.8	203	22.4	444	2.50	26.3	6.87	199	2397	162	2866	0.075	260.6
c2-689	8.91	82.7	154	30.2	423	3.23	22.0	6.14	161	2439	163	2968	0.215	259.1
c2-690	8.29	77.7	143	28.5	165	4.12	24.8	6.10	174	2523	158	3013	0.127	257.6
c2-691	9.96	67.3	144	19.0	417	3.37	38.2	5.83	167	2490	157	3043	0.110	256.2
c2-692	7.88	64.6	140	12.2	652	4.39	18.1	7.26	146	2466	157	2993	0.124	254.7
c2-693	7.54	67.1	133	19.4	332	3.12	18.8	7.25	161	2534	152	2897	0.106	253.2
c2-694	8.83	54.9	124	34.0	609	2.76	24.8	7.46	140	2427	149	2854	0.073	251.8
c2-695	9.35	49.6	139	33.1	335	3.09	15.0	5.77	156	2500	154	2936	0.123	250.3
c2-696	7.94	47.7	135	34.8	269	3.13	22.3	5.21	128	2589	167	2966	0.092	248.8
c2-697	8.11	41.5	139	31.5	489	2.68	26.8	7.11	158	2587	165	3001	0.127	247.3
c2-698	8.30	34.2	134	25.1	440	3.58	23.0	5.66	162	2476	164	2942	0.107	245.9
c2-699	9.38	63.1	130	27.6	544	3.52	28.0	6.13	132	2509	150	2904	0.090	244.4

c2-700	8.67	49.5	123	29.3	428	3.48	19.5	5.05	138	2534	156	2697	0.120	242.9
c2-701	9.24	54.3	128	28.1	412	3.26	17.3	7.28	140	2700	156	2970	0.159	241.4
c2-702	8.64	47.4	127	15.8	404	3.99	24.0	6.58	118	2581	162	3044	0.123	240.0
c2-703	9.70	49.8	131	39.3	483	2.90	24.5	5.87	139	2603	159	2981	0.176	238.5
c2-704	10.05	47.6	128	24.7	266	3.46	24.1	6.66	144	2589	164	2839	0.157	237.0
c2-705	8.60	51.3	121	25.2	301	3.09	16.0	7.13	139	2618	156	2806	0.173	235.6
c2-706	9.20	45.7	130	19.2	438	2.89	23.9	5.85	125	2593	165	2769	0.074	234.1
c2-707	8.79	42.9	140	36.5	383	3.71	19.7	5.76	129	2646	161	2939	0.230	232.6
c2-708	9.36	53.7	139	45.0	378	3.65	29.7	6.95	131	2665	154	2862	0.126	231.1
c2-709	9.64	62.0	141	12.1	633	3.69	30.0	7.23	154	2771	159	2922	0.178	229.7
c2-710	9.72	43.8	147	40.1	167	2.70	21.9	6.16	161	2642	159	2857	0.094	228.2
c2-711	8.87	48.2	125	31.1	231	4.02	27.1	7.09	142	2554	163	2793	0.140	226.7
c2-712	9.46	56.7	145	33.8	444	4.53	22.2	6.18	160	2648	158	2722	0.124	225.3
c2-713	8.78	54.5	140	34.0	410	3.31	17.2	7.26	159	2627	157	2792	0.125	223.8
c2-714	10.43	67.4	140	22.1	130	3.77	16.6	7.05	169	2735	168	2898	0.128	222.3
c2-715	9.58	57.5	158	30.2	398	4.17	23.7	6.98	200	2972	168	2906	0.239	220.8
c2-716	10.29	90.7	145	21.1	573	3.89	22.1	7.05	206	2777	166	2821	0.130	219.4
c2-717	9.10	55.3	138	30.9	451	4.04	19.5	7.67	158	2730	159	2783	0.228	217.9
c2-718	8.77	50.0	132	34.3	469	3.35	27.7	5.44	158	2647	153	2669	0.122	216.4
c2-719	8.55	43.5	141	34.2	563	3.51	31.1	7.95	161	2829	158	2899	0.128	214.9
c2-720	8.92	46.4	123	27.5	549	3.98	27.3	6.76	143	2734	157	2767	0.141	213.5
c2-721	8.50	-	133	33.3	342	2.65	17.4	5.77	153	2686	159	2818	0.294	212.0
c2-722	9.06	76.1	128	35.2	339	3.25	24.3	6.41	140	2697	153	2957	0.191	210.5
c2-723	8.85	66.6	147	45.4	521	4.15	21.5	6.58	142	2796	172	2829	0.176	209.1
c2-724	9.63	92.0	175	27.5	268	3.12	23.3	5.94	196	2767	151	2696	0.241	207.6
c2-725	9.60	93.8	237	24.2	-	4.05	30.5	7.04	280	2701	157	2684	0.218	206.1
c2-726	8.60	-	-	40.7	-	3.21	24.5	7.23	289	2694	158	2691	0.153	204.6
c2-727	9.55	-	381	40.9	498	2.90	36.2	7.26	-	2650	161	2802	0.137	203.2
c2-728	8.33	-	-	35.0	-	3.01	39.9	-	-	2942	159	2793	0.254	201.7
c2-729	8.65	-	-	-	-	3.63	22.6	-	-	2728	176	2713	0.137	200.2
c2-730	8.65	-	-	-	-	4.52	38.8	-	-	2712	157	2795	0.262	198.8
c2-731	8.60	-	-	49.5	-	4.63	33.4	-	-	2559	173	2736	0.196	197.3
c2-732	8.37	-	-	-	-	2.60	33.7	-	-	2486	180	2730	0.223	195.8
c2-733	7.60	-	-	50.9	-	3.49	29.7	-	-	-	166	2689	0.155	194.3
c2-734	7.89	-	-	37.7	-	3.01	28.7	-	-	-	151	2530	0.298	192.9
c2-735	7.42	-	-	-	-	3.72	32.0	-	-	-	162	2649	0.263	191.4
c2-736	8.05	-	-	40.5	-	4.00	-	-	-	-	163	2786	0.245	189.9
c2-737	7.76	-	-	52.6	-	4.28	22.6	-	-	-	171	2782	0.364	188.4

c2-738	7.76	-	-	39.7	-	3.28	24.4	-	-	-	163	2602	0.141	187.0
c2-739	8.43	-	367	48.0	-	4.22	38.9	-	294	-	172	2574	0.171	185.5
c2-740	7.98	-	367	52.7	-	3.03	33.1	7.66	269	2560	167	2610	0.163	184.0
c2-741	9.49	-	306	44.9	-	3.88	17.9	7.27	199	2582	161	2523	0.131	182.6
c2-742	8.32	-	-	-	-	3.67	33.8	6.76	178	2768	158	2592	0.204	181.1
c2-743	8.55	82.4	-	44.3	675	3.83	35.6	6.05	157	2673	160	2515	0.187	179.6
c2-744	9.13	74.4	254	51.1	-	3.17	34.3	5.76	170	2926	173	2619	0.158	178.1
c2-745	8.68	69.2	313	47.7	608	4.15	28.8	6.22	155	2885	162	2646	0.089	176.7
c2-746	8.66	69.1	196	28.8	438	4.29	23.9	6.47	134	2926	163	2628	0.123	175.2
c2-747	7.98	65.9	178	23.8	370	4.43	26.0	6.39	158	2988	165	2576	0.222	173.7
c2-748	10.80	48.9	192	35.5	-	4.28	24.2	5.87	168	2949	154	2721	0.158	172.3
c2-749	7.36	54.0	173	23.3	611	2.83	26.9	5.01	137	2972	167	2563	0.254	170.8
c2-750	9.05	60.2	186	16.5	572	3.53	19.8	6.00	127	2929	159	2517	0.105	169.3
c2-751	8.29	40.0	217	38.1	157	3.68	23.5	5.28	138	2863	164	2517	0.088	167.8
c2-752	9.68	60.7	161	33.0	373	3.55	31.3	6.34	146	2966	170	2564	0.174	166.4
c2-753	9.48	-	239	45.1	407	3.48	26.2	6.64	138	3049	163	2642	0.174	164.9
c2-754	9.09	51.6	194	42.0	639	3.70	29.6	5.83	132	2927	163	2513	0.202	163.4
c2-755	9.01	52.3	196	38.7	501	4.12	-	5.52	146	2923	164	2601	0.186	161.9
c2-756	9.66	58.0	166	25.3	666	3.12	25.3	6.82	128	2941	159	2460	0.296	160.5
c2-757	8.89	44.0	149	25.4	362	4.03	19.6	6.09	134	2904	165	2534	0.153	159.0
c2-758	9.16	49.5	188	25.0	431	4.35	21.6	4.89	138	3035	155	2498	0.089	157.5
c2-759	9.26	46.4	166	24.1	487	5.24	15.4	5.71	141	3124	168	2730	0.160	156.1
c2-760	9.77	52.4	146	29.6	559	3.67	20.5	5.92	150	3124	170	2530	0.160	154.6
c2-761	10.29	49.7	134	23.3	445	3.06	17.2	6.99	181	3102	167	2596	0.175	153.1
c2-762	9.42	93.9	135	44.6	629	4.10	24.6	7.50	203	3127	168	2647	0.312	151.6
c2-763	9.93	54.3	143	30.4	421	4.79	31.2	7.39	232	3035	164	2604	0.094	150.2
c2-764	9.80	48.1	138	38.8	507	4.47	22.9	6.15	174	3022	164	2513	0.270	148.7
c2-765	9.84	52.5	135	21.9	201	3.29	24.7	7.30	160	3287	172	2703	0.194	147.2
c2-766	9.34	41.8	118	26.4	501	4.60	18.7	5.88	156	3076	165	2597	0.170	145.8
c2-767	10.65	48.3	143	26.2	294	3.74	30.4	5.89	137	3179	168	2470	0.249	144.3
c2-768	9.46	44.2	120	32.7	497	3.01	19.5	5.77	132	3010	161	2454	0.184	142.8
c2-769	10.69	43.5	163	24.4	663	3.97	24.6	6.69	152	3168	177	2575	0.176	141.3
c2-770	7.98	-	195	47.4	604	4.06	31.5	5.67	149	2997	167	2548	0.251	139.9
c2-771	9.62	69.4	318	36.5	371	3.03	41.2	5.99	177	3213	167	2405	0.124	138.4
c2-772	9.94	72.6	283	38.0	586	4.28	36.3	4.81	217	2967	159	2481	0.133	136.9
c2-773	8.39	-	328	44.0	699	3.95	32.1	5.10	214	3075	166	2440	0.312	135.4
c2-774	8.87	-	-	-	-	4.42	30.3	5.99	233	2915	171	2626	0.272	134.0
c2-775	8.93	-	-	-	-	4.26	37.0	4.94	229	2746	176	2572	0.342	132.5

c2-776	7.61	-	-	52.8	-	5.01	36.4	5.57	-	2686	176	2407	0.270	131.0
c2-777	-	-	395	-	-	4.16	29.5	6.04	230	-	178	2592	0.264	129.6
c2-778	8.42	-	-	43.4	-	4.60	35.8	7.10	210	-	177	2570	0.308	128.1
c2-779	-	-	391	36.3	-	4.12	26.4	6.70	210	-	179	2465	0.300	126.6
c2-780	-	-	399	53.1	-	4.58	34.3	6.00	220	-	175	2402	0.331	125.1
c2-781	-	-	316	-	-	4.32	28.5	5.91	231	-	173	2375	0.213	123.7
c2-782	7.90	-	-	-	-	3.48	-	5.82	315	-	183	2487	0.250	122.2
c2-783	7.83	-	-	-	-	4.67	41.1	7.01	258	-	186	2422	0.260	120.7
c2-784	-	-	-	-	-	5.04	36.1	6.96	266	-	178	2482	0.324	119.3
c2-785	-	-	-	-	-	3.75	28.0	7.25	-	-	186	2571	0.383	117.8
c2-786	-	-	-	-	-	4.80	26.6	7.46	-	-	186	2420	-	116.3
c2-787	-	-	-	47.7	-	4.68	40.2	7.87	-	-	193	2442	0.244	114.8
c2-788	-	-	-	51.2	-	4.57	-	7.23	277	-	193	2558	0.326	113.4
c2-789	-	-	-	48.6	-	-	29.4	7.25	253	-	188	2552	0.329	111.9
c2-790	-	-	-	40.5	-	4.56	32.0	6.63	230	-	194	2433	0.151	110.4
c2-791	-	-	-	44.3	-	4.28	31.3	6.52	235	-	187	2441	0.191	108.9
c2-792	-	-	338	-	-	4.90	26.4	7.27	210	-	171	2459	0.216	107.5
c2-793	-	-	-	38.6	-	5.02	-	5.68	237	-	189	2508	0.234	106.0
c2-794	-	-	311	39.6	-	4.40	20.5	5.26	218	-	173	2395	0.301	104.5
c2-795	-	-	261	33.0	-	5.17	24.5	5.92	175	-	162	2422	0.350	103.1
c2-796	7.72	-	278	27.5	730	4.89	24.1	6.44	153	2973	174	2417	0.221	101.6
c2-797	8.08	-	193	39.0	-	5.14	27.3	5.86	169	3098	171	2352	0.302	100.1
c2-798	9.09	91.8	168	34.8	-	5.16	22.9	5.31	152	3213	170	2322	0.212	98.6
c2-799	8.94	-	170	41.1	619	4.46	31.5	5.69	157	3147	160	2411	0.243	97.2
c2-800	9.30	79.6	164	54.7	651	5.26	28.6	6.57	146	3254	167	2239	0.243	95.7
c2-801	8.86	-	182	46.3	805	4.93	28.4	6.35	179	3378	162	2273	0.153	94.2
c2-802	8.61	83.0	232	50.4	805	4.93	29.4	5.44	185	3327	168	2325	0.217	92.8
c2-803	9.46	-	323	35.7	662	4.76	21.3	7.19	170	3341	166	2332	0.374	91.3
c2-804	8.54	88.1	352	49.0	535	5.19	35.4	4.95	182	3522	170	2320	0.380	89.8
c2-805	9.42	-	-	48.4	647	-	37.9	5.49	177	3354	174	2248	0.188	88.3
c2-806	10.47	72.3	352	35.3	-	-	35.6	6.27	174	3480	174	2386	0.259	86.9
c2-807	10.76	-	391	44.6	722	4.45	35.2	6.00	176	3497	176	2371	0.372	85.4
c2-808	9.84	80.5	-	35.8	461	4.30	31.1	5.45	192	3406	166	2249	0.264	83.9
c2-809	8.71	92.0	-	47.7	-	4.61	37.1	5.87	183	3348	170	2215	0.232	82.4
c2-810	10.36	-	-	53.2	604	5.20	-	5.72	186	3447	184	2248	-	81.0
c2-811	10.62	-	-	38.9	710	4.86	33.7	4.62	186	3449	176	2230	0.317	79.5
c2-812	9.72	75.1	-	47.0	866	3.92	-	5.66	199	3542	184	2314	0.307	78.0
c2-813	10.72	-	-	47.9	832	4.91	39.5	6.41	192	3549	171	2261	0.274	76.6

c2-814	10.29	84.5	394	41.9	885	-	34.7	5.40	169	3485	172	2193	0.269	75.1
c2-815	9.87	89.7	315	31.1	451	4.04	39.1	5.24	179	3265	166	2193	0.321	73.6
c2-816	9.82	-	-	37.6	667	4.86	26.4	5.02	169	3413	173	2158	0.409	72.1
c2-817	9.07	-	351	37.9	493	3.68	27.2	4.79	276	3129	-	1955	0.380	70.7
c2-818	9.39	85.6	-	-	754	4.46	-	4.58	-	3700	176	2292	0.371	69.2
c2-819	9.62	-	324	44.6	-	4.83	29.0	6.01	-	3605	181	2313	0.400	67.7
c2-820	9.29	66.8	362	37.1	803	5.38	33.6	5.29	-	3662	174	2398	0.461	66.3
c2-821	10.15	66.2	263	37.1	502	3.94	16.8	4.50	-	3468	163	2221	0.251	64.8
c2-822	9.03	68.9	350	46.7	502	4.07	33.6	6.91	-	3619	174	2205	0.284	63.3
c2-823	10.26	88.7	219	39.3	549	5.03	36.4	5.14	-	3835	178	2291	0.340	61.8
c2-824	9.71	77.2	225	-	503	3.77	28.7	4.97	253	3487	176	2159	0.414	60.4
c2-825	8.79	-	244	44.4	466	-	25.6	5.00	274	3512	185	2098	0.315	58.9
c2-826	9.01	-	-	36.6	546	4.81	37.2	5.26	182	3651	176	2145	0.322	57.4
c2-827	9.69	94.4	211	30.0	854	4.71	27.9	4.39	200	3655	171	2147	0.352	55.9
c2-828	10.30	80.5	222	34.3	622	4.92	24.3	4.37	178	3569	168	2274	0.358	54.5
c2-829	10.98	97.6	271	35.9	-	4.04	34.3	4.45	141	3639	180	2286	0.274	53.0
c2-830	9.35	74.6	270	37.1	502	4.67	31.6	3.38	120	3710	177	2195	0.413	51.5
c2-831	9.73	66.6	307	-	448	4.95	-	3.92	108	3864	186	2210	0.276	50.1
c2-832	-	49.4	203	22.3	881	5.39	37.6	4.15	141	3633	192	2262	0.268	48.6
c2-833	10.92	90.2	235	38.0	606	4.85	23.7	3.69	82	3708	178	2230	-	47.1
c2-834	11.15	53.6	169	-	570	4.54	22.7	2.92	98	3708	173	2131	0.300	45.6
c2-835	9.26	60.5	201	24.4	485	-	26.6	3.08	105	3846	176	2141	0.177	44.2
c2-836	8.75	61.9	210	21.9	559	4.49	24.7	3.58	121	3749	170	2160	0.380	42.7
c2-837	9.73	57.2	174	36.1	308	5.23	26.7	3.04	139	3723	173	2166	0.363	41.2
c2-838	9.83	53.0	201	27.9	646	4.83	29.9	2.69	110	3627	167	2036	0.188	39.8
c2-839	10.19	41.3	161	-	529	4.03	19.7	2.49	120	3718	173	2204	0.282	38.3
c2-840	10.48	53.8	86	45.8	381	5.26	28.9	2.73	101	3804	181	2113	0.364	36.8
c2-841	9.33	41.5	78	24.5	451	4.74	30.8	2.72	76	3858	181	2149	0.380	35.3
c2-842	10.32	-	86	37.9	582	5.19	29.2	2.72	77	3995	175	2169	0.421	33.9
c2-843	9.68	-	65	39.5	447	5.04	17.9	3.09	54	3735	188	2105	0.256	32.4
c2-844	10.56	63.4	62	50.6	835	4.79	31.2	2.68	66	3946	175	2103	0.344	30.9
c2-845	-	45.0	71	39.1	506	5.00	29.8	2.53	63	3948	187	2103	0.335	29.4
c2-846	9.44	-	93	48.9	190	4.19	17.5	2.58	58	3704	190	2062	0.328	28.0
c2-847	10.09	-	66	33.9	683	4.67	28.0	2.81	47	3959	173	2099	0.436	26.5
c2-848	9.60	44.0	74	26.8	586	5.16	29.6	2.29	46	3752	180	1950	0.291	25.0
c2-849	10.03	52.1	78	-	554	3.83	26.5	2.23	49	4061	189	2144	0.478	23.6
c2-850	9.92	53.2	81	28.8	666	4.92	32.9	2.72	58	4182	187	2154	0.481	22.1
c2-851	9.62	68.7	82	49.3	969	4.64	35.3	2.51	41	3940	190	2107	0.422	20.6

c2-852	9.78	52.7	71	30.8	644	4.64	25.8	2.27	50	4068	183	2089	0.220	19.1
c2-853	9.14	71.1	72	33.0	369	4.24	22.0	2.08	50	3890	185	2038	0.320	17.7
c2-854	8.77	75.2	64	35.6	196	3.76	29.0	2.76	49	4005	184	2007	0.321	16.2
c2-855	10.36	79.1	85	43.2	608	5.17	27.8	2.27	59	3839	183	2146	0.253	14.7
c2-856	9.59	86.1	-	40.9	742	4.67	38.5	3.43	73	3961	179	2261	0.348	13.3
c2-857	10.22	-	-	-	752	5.82	-	1.77	98	4086	187	2070	0.337	11.8
c2-858	9.27	-	-	49.9	879	5.21	-	3.43	-	3993	179	2092	0.348	10.3
c2-859	10.05	-	-	-	855	4.30	-	2.84	-	3815	172	1988	0.386	8.8
c2-860	9.00	-	-	-	761	5.50	-	2.69	-	3714	185	1970	0.449	7.4
c2-861	-	-	-	-	746	4.81	-	2.89	-	-	170	2026	0.422	5.9
c2-862	9.80	-	-	-	-	4.47	-	3.22	-	-	191	2237	0.421	4.4
c2-863	9.07	-	-	-	-	4.31	-	3.51	-	-	182	2037	0.346	2.9
c2-864	9.62	-	-	-	-	4.27	-	3.16	-	-	170	2114	0.396	1.5
c2-865	11.28	-	-	51.8	-	4.23	-	3.00	-	-	162	2092	0.512	0.0

*Data analyzed by Laser-ICPMS with continuous rectangular beam.

"-", □□abnormal analytical signal.

Table DR4 Trace elements (ppm) along profiles b1 and c2 of the selected olivine xenocryst from the Handan-Xingtai diorite, central North China block:

profile b1*	Li	Na	Al	P	Ca	Sc	Ti	Cr	Co	Ni	Y	Zr	distance(μm)
6ol.D	9.92	12.4	45	20.6	539	4.28	21.9	61	166	1914	0.218	bdl	1780.9
7ol.D	8.60	42.9	140	17.9	485	3.21	22.7	380	150	2799	0.092	bdl	1666.5
8ol.D	7.51	-	134	20.6	366	2.93	25.3	270	145	3214	0.057	bdl	1551.9
9ol.D	4.52	-	-	20.9	297	2.53	34.0	382	140	3742	0.026	0.080	1425.9
10ol.D	2.84	48.3	170	14.5	273	2.35	39.8	338	141	3692	< 0.01	bdl	1387.9
11ol.D	2.64	53.8	125	17.1	289	2.33	49.1	347	148	3673	< 0.01	bdl	1286.3
12ol.D	2.62	53.2	122	16.3	297	2.39	51.5	291	148	3518	< 0.01	0.029	1173.3
15ol.D	2.68	56.2	117	15.7	298	2.35	51.2	302	149	3434	< 0.01	0.031	1069.9
16ol.D	2.93	58.9	120	15.4	307	2.31	50.9	302	148	3412	< 0.01	bdl	952.3
17ol.D	2.98	60.4	116	15.1	309	2.32	51.1	329	149	3466	< 0.01	bdl	892.9
18ol.D	2.94	57.8	128	15.6	322	2.30	49.8	310	148	3530	< 0.01	0.026	803.3
19ol.D	3.14	55.7	134	15.9	319	2.30	47.9	360	149	3616	0.010	0.034	718.9
20ol.D	3.15	-	-	20.8	326	2.23	50.7	341	147	3697	0.033	-	622.9
21ol.D	2.75	53.5	161	16.0	285	2.28	37.8	366	146	3820	-	bdl	521.7
22ol.D	3.19	49.6	178	15.6	279	2.24	33.9	375	141	3789	-	bdl	456.5
23ol.D	2.97	51.6	179	15.8	261	2.22	29.3	379	141	3766	-	bdl	461.5
24ol.D	4.22	49.7	190	17.6	258	2.30	26.0	429	140	3763	-	bdl	380.3
27ol.D	5.09	42.6	187	16.3	257	2.30	25.0	409	139	3686	-	bdl	324.3
28ol.D	8.02	39.8	180	15.0	289	2.82	25.0	395	148	3247	0.074	0.028	228.9
29ol.D	8.47	37.1	173	15.1	317	3.02	25.3	372	151	3117	0.097	bdl	212.1
30ol.D	-	-	114	-	195	-	-	305	143	2540	-	bdl	150.7
31ol.D	9.98	23.2	107	15.8	471	4.38	23.5	198	163	1988	0.279	0.048	79.1

profile c2*	Li	Na	Al	P	Ca	Sc	Ti	Cr	Co	Ni	Y	Zr	distance(μm)
32ol.D	9.57	-	49	46.5	545	4.47	45.1	30	176	2022	0.348	0.103	0.0
33ol.D	9.37	16.4	73	21.5	617	4.56	30.6	93	170	2157	0.382	0.078	53.2

34ol.D	9.14	20.6	107	19.7	479	4.56	28.7	151	167	2382	0.290	0.045	113.4
35ol.D	8.35	21.0	150	17.2	420	4.49	26.8	185	163	2576	0.230	bdl	160.2
36ol.D	8.46	26.6	177	16.8	298	3.46	27.0	265	157	2956	0.102	0.032	244.8
39ol.D	8.00	32.6	193	16.5	254	2.76	30.7	303	151	3237	0.051	bdl	314.0
40ol.D	6.85	-	212	17.6	448	2.35	37.4	360	146	3624	0.021	bdl	391.6
41ol.D	6.32	37.9	190	15.6	274	2.22	43.4	366	143	3806	< 0.01	bdl	459.4
42ol.D	5.20	-	195	15.3	307	2.19	43.8	412	145	3988	< 0.01	bdl	527.8
43ol.D	4.21	47.8	169	16.4	278	2.16	46.7	343	146	4012	< 0.01	0.030	597.0
44ol.D	3.14	46.5	129	16.7	283	2.20	48.4	335	146	3959	< 0.01	bdl	680.0
45ol.D	2.96	49.8	113	17.6	274	2.14	48.0	367	147	3899	< 0.01	0.026	749.2
46ol.D	2.89	49.7	120	16.9	273	2.18	46.4	345	147	3870	< 0.01	0.032	819.0
47ol.D	2.74	51.1	117	17.0	281	2.20	45.6	334	147	3833	< 0.01	0.029	884.6
48ol.D	2.84	50.3	113	17.0	285	2.19	45.2	332	148	3793	< 0.01	0.034	949.0
51ol.D	2.78	53.9	120	17.6	280	2.12	45.9	326	147	3675	< 0.01	bdl	1019.4
52ol.D	2.73	51.7	118	16.8	282	2.14	46.2	320	147	3661	< 0.01	0.031	1087.6
53ol.D	2.71	52.9	123	16.0	280	2.21	48.4	309	149	3634	< 0.01	bdl	1153.6
54ol.D	2.73	54.2	117	16.2	304	2.18	49.5	323	149	3620	< 0.01	bdl	1217.6

profile c2**	Ni	Y	distance(μm)
64ol.D	1714	-	79.4
65ol.D	2903	0.1273	284.2
66ol.D	3379	0.0532	443.4
67ol.D	3650	0.0072	638.2
68ol.D	3682	0.0050	828.4
69ol.D	3577	0.0063	1006.0
70ol.D	3549	0.0055	1197.0
71ol.D	3396	0.0055	1422.4

*Data analyzed by Laser-ICPMS with spot beam (beam size, 70 μm).

****Data analyzed by Laser-ICPMS with spot beam (beam size, 247 µm).**

"-", □□abnormal analytical signal.

bdl,below detection limit.