Supplementary Material

to the paper "Scenario-based earthquake hazard and risk assessment for Baku (Azerbaijan)"

by G. Babayev, A. Ismail-Zadeh and J.-L. Le Mouël

The Supplementary Material helps a reader to see the data used in the analysis and risk maps developed by using various model parameters. The Material contains Table S1 and four Figures S1-S4.

Table S1 consists of the input data (the subsurface model type, building classification, soil conditions, landslide's occurrence, population distribution, coefficient of exposed values, and GDP) and the output data (the surface PGA and the probability of moderate damage exceeding).

Figures S1-S4 present earthquake risk models for the *near, local, far, and extreme event* scenarios, respectively.

Table S1

No.	Cell		Subsurface model	Surface peak ground acceleration (in gal) (see Fig. 4) - funcion *f* 1				Buildings classification (in proportion to the total number of the bildings)				Probability of moderate damage exceeding (see Fig. 7) - funcion *f* 3				Soil conditions (see Fig. 8a)	Landslide's occurrence (see Fig. 8a) funcion *f* 2	Distribution of people living in residential houses (see Fig. 8b) - funcion *f* 4	Coefficient of exposed value (see Fig. 8c) - funcion *f* 5	GDP (in AZM) - funcion *f* 6
	SN	WE		near event	local event	far event	extreme event	Type 1	Type 2	Type 3	Type 4	near event	local event	far event	extreme event					
1	1	1	A4	68.96	104.66	66.89	109.90	0	0	1	0	0.00679	0.00386	0.00619	0.02747	0.1	0.1	15353	0.1	60477
2	1	2	C3	67.44	102.90	65.41	107.39	0	1	0	0	0.00103	0.0007	0.00094	0.00417	0.1	0.1	15353	0.9	60477
3	1	3	C3	67.45	103.45	65.41	107.33	0	1	0	0	0.00103	0.00072	0.00094	0.00416	0.1	0.1	15353	0.3	60477
4	1	4	C3	67.46	103.99	65.41	107.27	1	0	0	0	0.0002	0.00073	0.00018	0.0008	0.1	0.1	15353	0.9	60477
5	1	5	C3	67.47	104.51	65.41	107.21	0	1	0	0	0.00103	0.00074	0.00094	0.00414	0.1	0.1	15353	0.1	60477
6	1	6	A1	142.61	221.95	138.25	226.47	0	1	0	0	0.00975	0.00707	0.00889	0.03906	0.1	0.1	15353	0.3	60477
7	1	7	A1	142.63	222.98	138.25	226.34	1	0	0	0	0.00188	0.00717	0.00171	0.0075	0.1	0.1	10629	0.9	60477
8	1	8	A1	142.64	223.97	138.25	226.21	1	0	0	0	0.00188	0.00727	0.00171	0.00749	0.1	0.1	8267	0.3	60477
9	1	9	A1	142.65	224.91	138.25	226.08	1	0	0	0	0.00188	0.00736	0.00171	0.00747	0.9	0.1	5905	0.9	60477
10	1	10	A1	142.66	225.82	138.25	225.95	0	0	0	0	0	0	0	0	0.9	0.1	4134	0.1	60477
11	1	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	1	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	1	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	1	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	1	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	1	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	1	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	1	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	1	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	1	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	1	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	1	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	1	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	1	24	C2	142.67	232.76	138.25	224.03	1	0	0	0	0.00188	0.00816	0.00171	0.00727	0.1	0.1	32478	0.9	174454
25	1	25	C2	142.67	232.76	138.25	224.03	0.5	0.5	0	0	0.00582	0.00816	0.0053	0.02254	0.1	0.1	44288	0.9	174454
26	1	26	D4	62.89	102.60	60.95	98.71	0.66	0.34	0	0	0.00039	0.0007	0.00036	0.00151	0.1	0.1	44288	0.9	174454
27	1	27	D4	62.89	102.56	60.95	98.65	0	1	0	0	0.00084	0.0007	0.00076	0.00323	0.1	0.1	44288	0.9	174454
28	1	28	D4	62.88	102.49	60.95	98.60	0	1	0	0	0.00084	0.0007	0.00076	0.00322	0.1	0.1	44288	0.9	174454
29	2	1	A4	68.77	105.11	66.93	109.90	0	0	1	0	0.00673	0.00391	0.00621	0.02747	0.1	0.1	15353	0.9	60477
30	2	2	C3	67.25	103.35	65.45	107.40	0	0	1	0	0.00629	0.00371	0.0058	0.02564	0.1	0.1	15353	0.3	60477
31	2	3	C3	67.26	103.91	65.45	107.33	0	0.5	0.5	0	0.00366	0.00225	0.00337	0.01487	0.1	0.1	15353	0.9	60477
32	2	4	C3	67.27	104.46	65.45	107.27	0	1	0	0	0.00102	0.00074	0.00094	0.00415	0.1	0.1	15353	0.3	60477
33	2	5	C3	67.28	104.98	65.45	107.21	0	0	0	0	0	0	0	0	0.1	0.1	15353	0.1	60477
34	2	6	C2	142.21	222.98	138.33	226.47	0	1	0	0	0.00967	0.00717	0.0089	0.03906	0.1	0.1	15353	0.1	60477
35	2	7	C2	142.22	224.03	138.33	226.34	1	0	0	0	0.00186	0.00727	0.00171	0.0075	0.9	0.1	11810	0.3	60477
36	2	8	C2	142.24	225.03	138.33	226.21	1	0	0	0	0.00186	0.00737	0.00171	0.00749	0.9	0.1	9448	0.9	60477
37	2	9	C2	142.25	225.99	138.33	226.08	0	0	0	0	0	0	0	0	0.9	0.1	6496	0.1	60477
38	2	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	2	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	2	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	2	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	2	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	2	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	2	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

45	2	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46	2	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47	2	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	2	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49	2	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	2	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	2	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	2	24	C2	142.27	233.94	138.34	224.16	1	0	0	0	0.00186	0.00828	0.00171	0.00728	0.9	0.1	44288	0.9	174454
53	2	25	D4	142.27	233.97	138.34	224.03	0	1	0	0	0.00968	0.00828	0.0089	0.03781	0.9	0.1	44288	0.9	174454
54	2	26	D4	62.72	103.14	60.99	98.71	0	0	0	0	0	0	0	0	0.1	0.1	44288	0.3	174454
55	2	27	D4	62.71	103.09	60.99	98.65	0	0	0	0	0	0	0	0	0.1	0.1	44288	0.9	174454
56	2	28	D4	62.71	103.02	60.99	98.60	0	0	0	0	0	0	0	0	0.1	0.1	44288	0.9	174454
57	3	1	A4	68.58	105.55	66.97	109.90	0	0	1	0	0.00668	0.00395	0.00622	0.02747	0.1	0.1	15353	0.6	60477
58	3	2	C3	67.06	103.78	65.49	107.40	0	0	1	0	0.00624	0.00376	0.00581	0.02564	0.1	0.1	15353	0.9	60477
59	3	3	C3	67.07	104.35	65.49	107.33	0	0	1	0	0.00624	0.00382	0.00581	0.02559	0.1	0.1	15353	0.9	60477
60	3	4	C3	67.08	104.91	65.49	107.27	0	0	1	0	0.00625	0.00388	0.00581	0.02555	0.1	0.1	15353	0.3	60477
61	3	5	C3	67.08	105.44	65.49	107.21	0	1	0	0	0.00102	0.00076	0.00094	0.00414	0.1	0.1	15353	0.1	60477
62	3	6	C2	141.81	223.97	138.42	226.47	0	1	0	0	0.00959	0.00727	0.00892	0.03907	0.1	0.1	11810	0.9	60477
63	3	7	C2	141.82	225.03	138.42	226.34	0	1	0	0	0.00959	0.00737	0.00892	0.039	0.9	0.1	5905	0.9	60477
64	3	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	3	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	3	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	3	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	3	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69	3	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	3	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	3	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72	3	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	3	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74	3	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	3	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	3	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77	3	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	3	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	3	23	C2	141.88	235.01	138.42	224.29	1	0	0	0	0.00185	0.00839	0.00172	0.0073	0.9	0.9	41335	0.9	174454
80	3	24	C2	141.87	235.11	138.42	224.16	0.5	0.5	0	0	0.00572	0.00841	0.00532	0.02258	0.9	0.1	44288	0.9	174454
81	3	25	D4	141.86	235.14	138.42	224.03	0	1	0	0	0.0096	0.00841	0.00892	0.03782	0.5	0.1	44288	0.9	174454
82	3	26	D4	62.54	103.65	61.02	98.71	0	1	0	0	0.00082	0.00072	0.00076	0.00323	0.1	0.1	44288	0.3	174454
83	3	27	D4	62.53	103.61	61.02	98.65	0	1	0	0	0.00082	0.00072	0.00076	0.00323	0.1	0.1	44288	0.9	174454
84	3	28	C3	67.10	111.11	65.49	105.81	0	0	0	0	0	0	0	0	0.1	0.1	10039	0.9	39543
85	4	1	A4	68.38	105.96	67.01	109.90	0	0	0	0	0	0	0	0	0.1	0.1	66727	0.6	262844
86	4	2	C3	66.87	104.20	65.53	107.40	0	0	0	0	0	0	0	0	0.1	0.1	78537	0.9	309365
87	4	3	C3	66.88	104.78	65.53	107.33	0	0	0	0	0	0	0	0	0.1	0.1	78537	0.1	309365
88	4	4	C2	141.38	222.65	138.50	226.74	0	0.66	0.34	0	0.02616	0.01733	0.02459	0.10789	0.1	0.1	78537	0.9	309365
89	4	5	C2	141.39	223.80	138.50	226.60	0	0	0	0	0	0	0	0	0.1	0.1	15353	0.1	60477
90	4	6	C2	141.41	224.91	138.50	226.47	0	1	0	0	0.00951	0.00736	0.00893	0.03907	0.1	0.9	11220	0.9	60477
91	4	7	C2	141.42	225.99	138.50	226.34	0	1	0	0	0.00951	0.00746	0.00893	0.039	0.9	0.1	10039	0.9	60477
92	4	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	4	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	4	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	4	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	4	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	4	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

98	4	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	4	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	4	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	4	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	4	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	4	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	4	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	4	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106	4	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	4	23	C2	141.48	236.13	138.51	224.29	1	0	0	0	0.00183	0.00852	0.00172	0.0073	0.9	0.1	41335	0.9	174454
108	4	24	C2	141.47	236.23	138.51	224.16	0	1	0	0	0.00952	0.00853	0.00894	0.03788	0.5	0.1	44288	0.3	174454
109	4	25	D4	141.46	236.27	138.51	224.03	0	1	0	0	0.00952	0.00853	0.00894	0.03782	0.5	0.1	44288	0.9	174454
110	4	26	D4	62.36	104.15	61.06	98.71	0	1	0	0	0.00082	0.00073	0.00077	0.00323	0.1	0.1	44288	0.3	174454
111	4	27	C3	66.92	111.72	65.53	105.87	0	1	0	0	0.00101	0.0009	0.00095	0.00399	0.1	0.1	10039	0.3	39543
112	4	28	C3	66.91	111.64	65.53	105.81	0	0	0	0	0	0	0	0	0.9	0.1	10039	0.9	39543
113	5	1	A4	68.19	106.36	67.05	109.90	0	0	0	0	0	0	0	0	0.1	0.1	50193	0.6	262844
114	5	2	C3	66.68	104.60	65.57	107.40	0	0	0	0	0	0	0	0	0.1	0.1	56098	0.9	262844
115	5	3	C3	66.69	105.18	65.57	107.33	0	0	0	0	0	0	0	0	0.1	0.1	41335	0.9	162824
116	5	4	D4	62.15	98.54	61.10	99.96	0	1	0	0	0.00081	0.00062	0.00077	0.00336	0.1	0.1	41335	0.9	162824
117	5	5	D4	62.16	99.05	61.10	99.90	0.5	0.5	0	0	0.00048	0.00063	0.00046	0.002	0.1	0.9	15353	0.9	60477
118	5	6	C2	141.00	225.82	138.59	226.48	1	0	0	0	0.00181	0.00745	0.00172	0.00751	0.1	0.1	12991	0.9	60477
119	5	7	C2	141.02	226.91	138.59	226.35	0	0	0	0	0	0	0	0	0.1	0.1	15353	0.9	60477
120	5	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121	5	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122	5	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123	5	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	5	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	5	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	5	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127	5	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128	5	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	5	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	5	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131	5	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132	5	20	C2	141.09	236.47	138.59	224.67	1	0	0	0	0.00182	0.00855	0.00172	0.00733	0.1	0.1	21849	0.3	174454
133	5	21	C2	141.08	236.78	138.59	224.54	1	0	0	0	0.00182	0.00859	0.00172	0.00732	0.1	0.1	44288	0.3	174454
134	5	22	C2	141.08	237.02	138.59	224.41	0.66	0.34	0	0	0.00441	0.00861	0.00418	0.01775	0.1	0.1	44288	0.3	174454
135	5	23	C2	141.07	237.20	138.59	224.29	0	1	0	0	0.00944	0.00863	0.00895	0.03794	0.1	0.1	44288	0.9	174454
136	5	24	D4	141.07	237.30	138.59	224.16	0	1	0	0	0.00944	0.00864	0.00895	0.03788	0.5	0.1	44288	0.6	174454
137	5	25	D4	141.06	237.34	138.59	224.03	0	1	0	0	0.00944	0.00865	0.00895	0.03782	0.5	0.9	44288	0.9	174454
138	5	26	D4	62.18	104.62	61.10	98.71	0	1	0	0	0.00081	0.00074	0.00077	0.00323	0.1	0.1	44288	0.3	174454
139	5	27	C4	62.18	104.57	61.10	98.66	0.5	0.5	0	0	0.00048	0.00074	0.00046	0.00193	0.1	0.1	10039	0.1	39543
140	5	28	C4	62.17	104.49	61.10	98.60	1	0	0	0	0.00016	0.00074	0.00015	0.00062	0.1	0.1	10039	0.9	39543
141	6	1	A4	67.99	106.74	67.10	109.90	0	0	0	0	0	0	0	0	0.1	0.1	32478	0.6	262844
142	6	2	C3	66.49	104.97	65.61	107.40	0	0	0	0	0	0	0	0	0.1	0.1	28344	0.9	262844
143	6	3	C3	66.50	105.56	65.61	107.33	0.34	0.33	0.33	0	0.0024	0.00182	0.0023	0.01009	0.1	0.1	66727	0.6	262844
144	6	4	D4	61.97	98.90	61.13	99.96	0.34	0.33	0	0.33	0.00275	0.00149	0.00264	0.01156	0.1	0.1	15353	0.9	60477
145	6	5	C2	140.59	225.52	138.67	226.61	0.5	0	0	0.5	0.04403	0.023	0.04225	0.18438	0.1	0.1	15353	0.9	60477
146	6	6	C2	140.60	226.67	138.67	226.48	0	1	0	0	0.00935	0.00753	0.00897	0.03907	0.1	0.1	15353	0.9	60477
147	6	7	C2	140.62	227.78	138.67	226.35	1	0	0	0	0.0018	0.00764	0.00172	0.0075	0.9	0.1	7086	0.9	60477
148	6	8	C2	140.63	228.84	138.67	226.22	1	0	0	0	0.0018	0.00775	0.00172	0.00749	0.9	0.1	29525	0.9	465211
149	6	9	C2	140.64	229.86	138.67	226.09	0	0	0	0	0	0	0	0	0.9	0.1	20668	0.9	465211
150	6	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

151	6	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152	6	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153	6	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154	6	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	6	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156	6	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157	6	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158	6	18	C2	140.69	236.64	138.68	224.93	1	0	0	0	0.0018	0.00857	0.00173	0.00736	0.9	0.1	29525	0.9	174454
159	6	19	C2	140.69	237.09	138.68	224.80	1	0	0	0	0.0018	0.00862	0.00173	0.00735	0.9	0.1	40154	0.3	174454
160	6	20	D4	140.69	237.48	138.68	224.67	1	0	0	0	0.0018	0.00866	0.00173	0.00733	0.9	0.1	44288	0.9	174454
161	6	21	D4	140.68	237.79	138.68	224.54	1	0	0	0	0.0018	0.0087	0.00173	0.00732	0.9	0.1	44288	0.9	174454
162	6	22	D4	140.68	238.04	138.68	224.42	0	1	0	0	0.00936	0.00872	0.00897	0.03801	0.1	0.1	44288	0.9	174454
163	6	23	D4	140.67	238.21	138.68	224.29	0	1	0	0	0.00936	0.00874	0.00897	0.03795	0.1	0.1	44288	0.9	174454
164	6	24	D4	140.67	238.32	138.68	224.16	0	1	0	0	0.00936	0.00875	0.00897	0.03788	0.1	0.1	44288	0.3	174454
165	6	25	D4	140.66	238.36	138.67	224.03	0	0.5	0	0.5	0.04788	0.02715	0.04587	0.19344	0.5	0.9	44288	0.9	174454
166	6	26	D4	62.01	105.07	61.14	98.71	0	0	1	0	0.00493	0.0039	0.00473	0.01991	0.1	0.1	44288	0.3	174454
167	6	27	C3	66.54	112.70	65.61	105.87	0	1	0	0	0.00099	0.00093	0.00095	0.00399	0.1	0.1	10039	0.9	39543
168	6	28	C3	66.53	112.62	65.61	105.81	0	1	0	0	0.00099	0.00092	0.00095	0.00398	0.1	0.1	10039	0.9	39543
169	7	1	A4	67.80	107.09	67.14	109.90	0	1	0	0	0.00105	0.00079	0.00102	0.00446	0.1	0.1	44288	0.9	262844
170	7	2	C3	66.30	105.32	65.65	107.40	0	1	0	0	0.00098	0.00076	0.00095	0.00417	0.1	0.1	66727	0.1	262844
171	7	3	C3	66.31	105.92	65.65	107.34	0	1	0	0	0.00098	0.00077	0.00095	0.00416	0.1	0.1	66727	0.3	262844
172	7	4	D4	61.80	99.25	61.17	99.96	0.34	0.33	0	0.33	0.00273	0.00151	0.00265	0.01156	0.1	0.1	66727	0.9	262844
173	7	5	D4	61.80	99.77	61.17	99.90	1	0	0	0	0.00015	0.00064	0.00015	0.00064	0.1	0.1	66727	0.9	262844
174	7	6	D4	61.81	100.29	61.17	99.84	1	0	0	0	0.00015	0.00065	0.00015	0.00064	0.1	0.1	66727	0.9	262844
175	7	7	C2	140.22	228.60	138.76	226.35	1	0	0	0	0.00178	0.00773	0.00173	0.0075	0.9	0.1	66727	0.9	262844
176	7	8	C2	140.23	229.67	138.76	226.22	1	0	0	0	0.00178	0.00784	0.00173	0.00749	0.9	0.1	15353	0.9	60477
177	7	9	C2	140.24	230.71	138.76	226.09	1	0	0	0	0.00178	0.00794	0.00173	0.00747	0.9	0.1	11810	0.9	60477
178	7	10	C2	140.25	231.69	138.76	225.96	1	0	0	0	0.00178	0.00804	0.00173	0.00746	0.9	0.1	106290	0.9	465211
179	7	11	C2	140.26	232.63	138.76	225.83	1	0	0	0	0.00178	0.00814	0.00173	0.00745	0.9	0.1	26573	0.9	174454
180	7	12	C2	140.27	233.51	138.76	225.70	1	0	0	0	0.00178	0.00823	0.00173	0.00744	0.9	0.1	16534	0.9	174454
181	7	13	C2	140.27	234.34	138.76	225.57	1	0	0	0	0.00178	0.00832	0.00173	0.00742	0.9	0.1	20668	0.9	174454
182	7	14	C2	140.28	235.11	138.76	225.44	1	0	0	0	0.00179	0.00841	0.00173	0.00741	0.9	0.1	23030	0.9	174454
183	7	15	C2	140.28	235.82	138.76	225.31	1	0	0	0	0.00179	0.00848	0.00173	0.0074	0.9	0.1	25392	0.9	174454
184	7	16	C2	140.29	236.47	138.76	225.18	1	0	0	0	0.00179	0.00855	0.00173	0.00738	0.9	0.1	35430	0.9	174454
185	7	17	C2	140.29	237.06	138.76	225.06	1	0	0	0	0.00179	0.00862	0.00173	0.00737	0.9	0.1	44288	0.9	174454
186	7	18	C2	140.29	237.58	138.76	224.93	1	0	0	0	0.00179	0.00867	0.00173	0.00736	0.9	0.1	44288	0.9	174454
187	7	19	C2	140.29	238.04	138.76	224.80	1	0	0	0	0.00179	0.00872	0.00173	0.00735	0.9	0.1	44288	0.9	174454
188	7	20	C2	140.29	238.43	138.76	224.67	0	1	0	0	0.00929	0.00877	0.00899	0.03814	0.9	0.1	44288	0.9	174454
189	7	21	C2	140.28	238.75	138.76	224.54	0	1	0	0	0.00928	0.0088	0.00899	0.03808	0.1	0.1	44288	0.9	174454
190	7	22	C2	140.28	238.99	138.76	224.42	1	0	0	0	0.00179	0.00883	0.00173	0.00731	0.1	0.1	44288	0.9	174454
191	7	23	C2	140.27	239.17	138.76	224.29	0	0.5	0	0.5	0.04748	0.02743	0.04596	0.19411	0.1	0.1	44288	0.3	174454
192	7	24	C2	140.27	239.28	138.76	224.16	0	1	0	0	0.00928	0.00886	0.00899	0.03788	0.1	0.1	44288	0.9	174454
193	7	25	D4	140.26	239.32	138.76	224.03	0	1	0	0	0.00928	0.00886	0.00899	0.03782	0.5	0.1	44288	0.3	174454
194	7	26	D4	61.83	105.49	61.17	98.71	0	1	0	0	0.00079	0.00076	0.00077	0.00323	0.1	0.1	44288	0.3	174454
195	7	27	C3	66.35	113.16	65.65	105.87	0	1	0	0	0.00098	0.00094	0.00095	0.00399	0.1	0.1	10039	0.9	39543
196	7	28	C3	66.35	113.07	65.65	105.81	0	1	0	0	0.00098	0.00093	0.00095	0.00398	0.1	0.1	10039	0.9	39543
197	8	1	A2	92.40	146.81	91.81	150.20	0	1	0	0	0.00265	0.00205	0.0026	0.0114	0.1	0.1	56098	0.9	262844
198	8	2	C3	66.12	105.66	65.69	107.40	0	1	0	0	0.00097	0.00076	0.00095	0.00417	0.1	0.1	66727	0.3	262844
199	8	3	C3	66.12	106.26	65.69	107.34	0	1	0	0	0.00097	0.00078	0.00095	0.00416	0.1	0.1	66727	0.9	262844
200	8	4	C3	66.13	106.85	65.69	107.27	1	0	0	0	0.00019	0.00079	0.00018	0.0008	0.1	0.1	66727	0.3	262844
201	8	5	D4	61.63	100.10	61.21	99.90	1	0	0	0	0.00015	0.00065	0.00015	0.00064	0.1	0.1	66727	0.9	262844
202	8	6	C4	139.81	228.23	138.84	226.48	0.5	0	0	0.5	0.0433	0.02384	0.04241	0.18407	0.1	0.1	118100	0.9	465211
203	8	7	C4	139.82	229.37	138.84	226.35	0.5	0	0	0.5	0.04331	0.02419	0.04241	0.18375	0.1	0.1	118100	0.9	465211

204	8	8	C4	139.83	230.46	138.84	226.22	0.5	0	0	0.5	0.04332	0.02454	0.04241	0.18343	0.1	0.1	118100	0.9	465211
205	8	9	C2	139.84	231.50	138.84	226.09	0.5	0	0	0.5	0.04333	0.02487	0.04241	0.18312	0.9	0.1	118100	0.9	465211
206	8	10	C2	139.85	232.50	138.84	225.96	0.66	0	0	0.34	0.03004	0.01974	0.02939	0.12669	0.9	0.1	81489	0.3	320995
207	8	11	C2	139.86	233.45	138.84	225.83	0	1	0	0	0.0092	0.00823	0.009	0.03873	0.9	0.1	44288	0.9	174454
208	8	12	C2	139.87	234.34	138.85	225.70	0.34	0.33	0	0.33	0.03167	0.01986	0.03098	0.13307	0.9	0.1	44288	0.9	174454
209	8	13	C2	139.88	235.18	138.85	225.57	1	0	0	0	0.00177	0.00841	0.00173	0.00742	0.9	0.1	44288	0.9	174454
210	8	14	C2	139.88	235.96	138.85	225.44	1	0	0	0	0.00177	0.0085	0.00173	0.00741	0.1	0.1	44288	0.9	174454
211	8	15	C2	139.89	236.68	138.85	225.31	1	0	0	0	0.00177	0.00857	0.00173	0.0074	0.1	0.1	44288	0.9	174454
212	8	16	C2	139.89	237.34	138.85	225.18	1	0	0	0	0.00177	0.00865	0.00173	0.00739	0.1	0.1	44288	0.9	174454
213	8	17	C2	139.89	237.93	138.85	225.06	1	0	0	0	0.00177	0.00871	0.00173	0.00737	0.9	0.1	44288	0.3	174454
214	8	18	C2	139.89	238.46	138.85	224.93	1	0	0	0	0.00177	0.00877	0.00173	0.00736	0.9	0.1	44288	0.3	174454
215	8	19	C2	139.89	238.92	138.85	224.80	0	1	0	0	0.00921	0.00882	0.009	0.03821	0.1	0.1	44288	0.9	174454
216	8	20	C2	139.89	239.32	138.85	224.67	0	1	0	0	0.00921	0.00886	0.009	0.03814	0.1	0.1	44288	0.9	174454
217	8	21	C2	139.89	239.64	138.85	224.54	0.5	0.5	0	0	0.00549	0.0089	0.00537	0.0227	0.1	0.1	44288	0.9	174454
218	8	22	C2	139.88	239.89	138.85	224.42	0.5	0.5	0	0	0.00549	0.00893	0.00537	0.02266	0.1	0.1	44288	0.3	174454
219	8	23	C2	139.88	240.07	138.85	224.29	0	1	0	0	0.0092	0.00895	0.009	0.03795	0.1	0.1	44288	0.9	174454
220	8	24	C2	139.87	240.18	138.85	224.16	0	1	0	0	0.0092	0.00896	0.009	0.03788	0.1	0.1	44288	0.9	174454
221	8	25	D4	139.86	240.22	138.84	224.03	0	1	0	0	0.0092	0.00897	0.009	0.03782	0.1	0.1	44288	0.3	174454
222	8	26	D4	61.66	105.89	61.21	98.71	0	1	0	0	0.00079	0.00077	0.00077	0.00323	0.1	0.1	44288	0.3	174454
223	8	27	C3	66.16	113.58	65.69	105.87	0	1	0	0	0.00097	0.00095	0.00095	0.00399	0.5	0.1	10039	0.3	39543
224	8	28	C3	66.16	113.50	65.69	105.82	0	1	0	0	0.00097	0.00095	0.00095	0.00398	0.1	0.1	10039	0.9	39543
225	9	1	A2	149.49	147.23	91.87	150.20	0	1	0	0	0.01124	0.00206	0.00261	0.0114	0.1	0.1	66727	0.1	262844
226	9	2	C3	65.93	105.96	65.73	107.40	0	1	0	0	0.00096	0.00077	0.00096	0.00417	0.1	0.1	66727	0.3	262844
227	9	3	C3	65.94	106.58	65.73	107.34	0	1	0	0	0.00096	0.00078	0.00096	0.00416	0.1	0.1	66727	0.3	262844
228	9	4	C3	65.94	107.17	65.73	107.27	0.34	0.33	0	0.33	0.00332	0.0019	0.00329	0.01429	0.1	0.1	66727	0.9	262844
229	9	5	D4	61.45	100.40	61.25	99.90	1	0	0	0	0.00015	0.00065	0.00015	0.00064	0.1	0.1	66727	0.9	262844
230	9	6	C4	139.41	228.93	138.93	226.48	1	0	0	0	0.00175	0.00776	0.00173	0.00751	0.1	0.1	118100	0.3	465211
231	9	7	C4	139.42	230.08	138.93	226.35	0.34	0.33	0	0.33	0.03137	0.0188	0.03104	0.13422	0.1	0.1	118100	0.9	465211
232	9	8	C4	139.44	231.18	138.93	226.22	0.5	0	0	0.5	0.04296	0.02477	0.04249	0.18343	0.1	0.1	118100	0.9	465211
233	9	9	C4	139.45	232.24	138.93	226.09	0.66	0	0	0.34	0.02978	0.01967	0.02945	0.12691	0.1	0.1	74403	0.9	293083
234	9	10	C2	139.46	233.25	138.93	225.96	0.34	0.33	0	0.33	0.03139	0.01958	0.03104	0.13353	0.1	0.1	81489	0.9	320995
235	9	11	C2	139.46	234.21	138.93	225.83	0.5	0	0	0.5	0.04298	0.02576	0.04249	0.18249	0.1	0.1	44288	0.9	174454
236	9	12	C2	139.47	235.11	138.93	225.70	0.66	0	0	0.34	0.02979	0.02041	0.02945	0.12626	0.1	0.1	44288	0.9	174454
237	9	13	C2	139.48	235.96	138.93	225.57	1	0	0	0	0.00176	0.0085	0.00173	0.00742	0.1	0.1	44288	0.9	174454
238	9	14	C2	139.48	236.75	138.93	225.44	0.5	0.5	0	0	0.00544	0.00858	0.00538	0.02297	0.1	0.1	44288	0.9	174454
239	9	15	C2	139.49	237.48	138.93	225.31	0	1	0	0	0.00913	0.00866	0.00902	0.03847	0.1	0.1	44288	0.1	174454
240	9	16	C2	139.49	238.14	138.93	225.18	0	1	0	0	0.00913	0.00873	0.00902	0.0384	0.1	0.1	44288	0.3	174454
241	9	17	C2	139.49	238.75	138.93	225.06	0	1	0	0	0.00913	0.0088	0.00902	0.03834	0.1	0.1	44288	0.3	174454
242	9	18	C2	139.49	239.28	138.93	224.93	0	1	0	0	0.00913	0.00886	0.00902	0.03827	0.1	0.1	44288	0.3	174454
243	9	19	C2	139.49	239.75	138.93	224.80	0	1	0	0	0.00913	0.00891	0.00902	0.03821	0.1	0.1	44288	0.3	174454
244	9	20	C2	139.49	240.15	138.93	224.67	1	0	0	0	0.00176	0.00896	0.00173	0.00733	0.1	0.1	44288	0.3	174454
245	9	21	C2	139.49	240.47	138.93	224.54	1	0	0	0	0.00176	0.00899	0.00173	0.00732	0.1	0.1	44288	0.3	174454
246	9	22	C2	139.48	240.73	138.93	224.42	0	1	0	0	0.00913	0.00902	0.00902	0.03801	0.1	0.1	44288	0.9	174454
247	9	23	C2	139.48	240.91	138.93	224.29	0	1	0	0	0.00913	0.00904	0.00902	0.03795	0.1	0.1	44288	0.9	174454
248	9	24	C2	139.47	241.02	138.93	224.16	0	1	0	0	0.00912	0.00906	0.00902	0.03788	0.1	0.1	44288	0.9	174454
249	9	25	D4	139.46	241.06	138.93	224.04	0	1	0	0	0.00912	0.00906	0.00902	0.03782	0.1	0.1	44288	0.9	174454
250	9	26	D4	61.48	106.26	61.25	98.71	0	1	0	0	0.00078	0.00078	0.00077	0.00323	0.5	0.1	44288	0.3	174454
251	9	27	C3	65.97	113.98	65.73	105.88	0	1	0	0	0.00097	0.00096	0.00096	0.00399	0.1	0.9	10039	0.3	39543
252	9	28	C3	65.97	113.89	65.73	105.82	0	1	0	0	0.00097	0.00096	0.00096	0.00398	0.1	0.1	10039	0.9	39543
253	10	1	A2	149.34	147.62	91.92	150.20	0	1	0	0	0.0112	0.00208	0.00261	0.0114	0.1	0.1	66727	0.1	262844
254	10	2	C3	65.74	106.25	65.77	107.40	0	1	0	0	0.00096	0.00078	0.00096	0.00417	0.1	0.1	66727	0.9	262844
255	10	3	C3	65.75	106.87	65.77	107.34	0	0.66	0	0.34	0.00363	0.00192	0.00363	0.0158	0.1	0.1	66727	0.3	262844
256	10	4	C3	65.76	107.47	65.77	107.27	1	0	0	0	0.00018	0.0008	0.00018	0.0008	0.1	0.1	66727	0.9	262844

257	10	5	D4	61.28	100.69	61.28	99.90	0	1	0	0	0.00077	0.00066	0.00077	0.00335	0.1	0.1	66727	0.9	262844
258	10	6	B5	100.90	166.63	100.90	164.38	1	0	0	0	0.00066	0.00299	0.00066	0.00287	0.5	0.1	118100	0.3	465211
259	10	7	B5	100.91	167.47	100.90	164.28	0.34	0.33	0	0.33	0.01189	0.00725	0.01189	0.05132	0.5	0.1	118100	0.9	465211
260	10	8	B5	100.92	168.28	100.90	164.19	0.5	0	0	0.5	0.01629	0.00955	0.01628	0.07014	0.1	0.1	74403	0.9	293083
261	10	9	D4	61.30	102.69	61.29	99.67	0.5	0	0	0.5	0.00365	0.00217	0.00365	0.01569	0.1	0.1	30116	0.9	118629
262	10	10	D4	61.31	103.14	61.29	99.62	0.66	0	0	0.34	0.00253	0.00172	0.00253	0.01086	0.1	0.1	74403	0.9	293083
263	10	11	C2	139.07	234.91	139.02	225.83	0.5	0	0	0.5	0.04262	0.02599	0.04257	0.18249	0.1	0.1	81489	0.9	320995
264	10	12	C2	139.08	235.82	139.02	225.70	0.5	0	0	0.5	0.04263	0.02629	0.04257	0.18218	0.1	0.1	37202	0.9	146541
265	10	13	C2	225.92	236.68	139.02	225.57	0	1	0	0	0.03878	0.00857	0.00904	0.0386	0.1	0.1	37202	0.9	146541
266	10	14	C2	225.92	237.48	139.02	225.44	0	1	0	0	0.03878	0.00866	0.00904	0.03853	0.1	0.1	81489	0.9	320995
267	10	15	C2	225.92	238.21	139.02	225.31	0	1	0	0	0.03878	0.00874	0.00904	0.03847	0.1	0.1	46650	0.6	183758
268	10	16	C2	139.09	238.89	139.02	225.18	0	1	0	0	0.00905	0.00882	0.00904	0.0384	0.1	0.1	46650	0.3	183758
269	10	17	C2	139.10	239.50	139.02	225.06	0	1	0	0	0.00905	0.00888	0.00904	0.03834	0.1	0.1	46650	0.3	183758
270	10	18	C2	139.10	240.04	139.02	224.93	0	1	0	0	0.00905	0.00894	0.00904	0.03827	0.1	0.1	46650	0.3	183758
271	10	19	C2	139.10	240.51	139.02	224.80	0	1	0	0	0.00905	0.009	0.00904	0.03821	0.1	0.1	44288	0.3	174454
272	10	20	C2	139.09	240.91	139.02	224.67	1	0	0	0	0.00174	0.00904	0.00174	0.00733	0.1	0.1	44288	0.9	174454
273	10	21	C2	139.09	241.24	139.02	224.54	1	0	0	0	0.00174	0.00908	0.00174	0.00732	0.1	0.1	44288	0.3	174454
274	10	22	C2	139.09	241.50	139.02	224.42	0	1	0	0	0.00905	0.00911	0.00904	0.03801	0.1	0.1	44288	0.3	174454
275	10	23	C2	139.08	241.69	139.02	224.29	0	1	0	0	0.00905	0.00913	0.00904	0.03795	0.1	0.1	44288	0.3	174454
276	10	24	C2	139.08	241.80	139.02	224.16	0	1	0	0	0.00905	0.00914	0.00904	0.03788	0.1	0.1	44288	0.9	174454
277	10	25	C2	139.07	241.84	139.02	224.04	0	1	0	0	0.00905	0.00915	0.00904	0.03782	0.1	0.1	44288	0.3	174454
278	10	26	D4	61.31	106.60	61.29	98.71	0	1	0	0	0.00077	0.00078	0.00077	0.00323	0.5	0.1	27163	0.9	106998
279	10	27	C3	106.88	114.35	65.77	105.88	0	0.5	0.5	0	0.01469	0.003	0.00342	0.01428	0.1	0.1	10039	0.9	39543
280	10	28	C3	65.78	114.26	65.77	105.82	0	0.5	0.5	0	0.00342	0.00299	0.00342	0.01425	0.1	0.1	10039	0.9	39543
281	11	1	A2	91.61	147.98	91.98	150.20	0	0.5	0	0.5	0.01323	0.0065	0.01339	0.05829	0.1	0.1	66727	0.1	262844
282	11	2	C3	65.55	106.51	65.81	107.40	0	1	0	0	0.00095	0.00078	0.00096	0.00417	0.1	0.1	66727	0.3	262844
283	11	3	C3	65.56	107.13	65.81	107.34	0.25	0.5	0	0.25	0.00271	0.00163	0.00274	0.01188	0.1	0.1	66727	0.9	262844
284	11	4	C3	65.57	107.74	65.81	107.27	0	0.5	0	0.5	0.00485	0.00251	0.0049	0.02124	0.1	0.1	66727	0.9	262844
285	11	5	D4	61.11	100.94	61.32	99.90	0.34	0.33	0.33	0	0.00186	0.00159	0.00188	0.00814	0.5	0.1	118100	0.3	465211
286	11	6	A3	81.98	136.12	82.26	133.94	1	0	0	0	0.00036	0.00163	0.00036	0.00155	0.1	0.1	118100	0.9	465211
287	11	7	A3	81.99	136.82	82.26	133.86	0.5	0	0	0.5	0.00873	0.00514	0.00882	0.03801	0.1	0.1	118100	0.9	465211
288	11	8	A3	81.99	137.48	82.26	133.78	0.5	0	0	0.5	0.00873	0.00521	0.00882	0.03794	0.1	0.1	74403	0.3	293083
289	11	9	A3	82.00	138.12	82.26	133.71	0.5	0	0	0.5	0.00874	0.00528	0.00882	0.03788	0.1	0.1	30116	0.3	118629
290	11	10	C2	138.66	234.57	139.10	225.96	0.34	0.33	0	0.33	0.03086	0.01992	0.03115	0.13353	0.1	0.1	30116	0.9	118629
291	11	11	C2	138.67	235.55	139.10	225.83	1	0	0	0	0.00172	0.00845	0.00174	0.00745	0.1	0.1	30116	0.3	118629
292	11	12	C2	138.68	236.47	139.10	225.70	0.5	0	0	0.5	0.04226	0.02651	0.04265	0.18218	0.1	0.1	30116	0.9	118629
293	11	13	C2	138.69	237.34	139.10	225.57	0	1	0	0	0.00897	0.00865	0.00905	0.0386	0.1	0.1	30116	0.9	118629
294	11	14	C2	138.69	238.14	139.10	225.44	0	1	0	0	0.00897	0.00873	0.00905	0.03853	0.1	0.1	49012	0.9	193062
295	11	15	C2	138.70	238.89	139.10	225.31	0	1	0	0	0.00897	0.00882	0.00905	0.03847	0.1	0.1	49012	0.9	193062
296	11	16	C1	115.28	122.36	71.05	115.01	0	1	0	0	0.00515	0.00118	0.00121	0.00512	0.1	0.1	49012	0.9	193062
297	11	17	C1	115.28	122.67	71.05	114.95	0	1	0	0	0.00515	0.00119	0.00121	0.00511	0.1	0.1	49012	0.9	193062
298	11	18	C1	70.84	122.95	71.05	114.88	1	0	0	0	0.00023	0.0012	0.00023	0.00098	0.1	0.1	49012	0.9	193062
299	11	19	C1	70.84	123.20	71.05	114.82	1	0	0	0	0.00023	0.00121	0.00023	0.00098	0.1	0.1	49012	0.9	193062
300	11	20	C1	70.84	123.41	71.05	114.75	1	0	0	0	0.00023	0.00122	0.00023	0.00098	0.1	0.1	49012	0.9	193062
301	11	21	D4	61.15	106.67	61.32	98.99	0	0	0	0	0	0	0	0	0.1	0.1	46650	0.9	183758
302	11	22	D4	61.14	106.78	61.32	98.94	0	1	0	0	0.00077	0.00079	0.00078	0.00326	0.1	0.1	46650	0.9	183758
303	11	23	D4	61.14	106.86	61.32	98.88	0	1	0	0	0.00077	0.00079	0.00078	0.00325	0.1	0.1	46650	0.9	183758
304	11	24	D4	61.14	106.91	61.32	98.82	0	1	0	0	0.00077	0.00079	0.00078	0.00325	0.1	0.1	46650	0.9	183758
305	11	25	D4	61.14	106.93	61.32	98.77	0	1	0	0	0.00077	0.00079	0.00078	0.00324	0.1	0.1	46650	0.9	183758
306	11	26	C3	106.77	114.74	65.81	105.94	0	1	0	0	0.00409	0.00098	0.00096	0.004	0.1	0.1	10039	0.9	39543
307	11	27	C3	65.60	114.68	65.81	105.88	0	1	0	0	0.00095	0.00098	0.00096	0.00399	0.1	0.1	10039	0.9	39543
308	11	28	C3	65.60	114.59	65.81	105.82	0	0.66	0.34	0	0.00261	0.00236	0.00264	0.01097	0.1	0.1	10039	0.9	39543
309	12	1	A2	91.35	148.30	92.04	150.20	0	1	0	0	0.00256	0.00211	0.00262	0.0114	0.1	0.1	66727	0.9	262844

310	12	2	C3	65.37	106.74	65.85	107.40	0	1	0	0	0.00094	0.00079	0.00096	0.00417	0.1	0.1	66727	0.9	262844
311	12	3	C1	70.58	115.91	71.09	115.87	0.5	0	0	0.5	0.00557	0.00312	0.00569	0.02465	0.1	0.1	92709	0.9	365190
312	12	4	C3	65.38	107.98	65.85	107.27	0.34	0.33	0	0.33	0.00323	0.00194	0.0033	0.01429	0.1	0.1	118100	0.3	465211
313	12	5	C3	65.39	108.58	65.85	107.21	0	0.5	0.25	0.25	0.00409	0.00257	0.00417	0.01801	0.1	0.1	118100	0.9	465211
314	12	6	C4	138.23	230.71	139.18	226.48	0	0.5	0	0.5	0.04544	0.02462	0.04638	0.19984	0.1	0.1	74403	0.3	293083
315	12	7	C4	138.24	231.89	139.18	226.35	0.34	0.33	0	0.33	0.03058	0.01924	0.0312	0.13422	0.1	0.1	118100	0.3	465211
316	12	8	C4	138.25	233.02	139.18	226.22	0.5	0	0	0.5	0.04187	0.02537	0.04272	0.18343	0.1	0.1	30116	0.3	118629
317	12	9	D4	60.95	103.21	61.36	99.67	1	0	0	0	0.00015	0.00071	0.00015	0.00064	0.1	0.1	30116	0.9	118629
318	12	10	D4	60.96	103.67	61.36	99.62	0.5	0	0	0.5	0.00359	0.00223	0.00366	0.01566	0.1	0.1	30116	0.9	118629
319	12	11	D4	60.96	104.10	61.36	99.56	0.5	0	0	0.5	0.00359	0.00226	0.00366	0.01564	0.1	0.1	30116	0.3	118629
320	12	12	D4	60.96	104.51	61.36	99.50	0.34	0.33	0	0.33	0.00262	0.00176	0.00267	0.0114	0.1	0.1	30116	0.3	118629
321	12	13	D4	60.97	104.89	61.36	99.45	0	1	0	0	0.00076	0.00075	0.00078	0.00331	0.1	0.1	30116	0.9	118629
322	12	14	D4	60.97	105.25	61.36	99.39	1	0	0	0	0.00015	0.00075	0.00015	0.00064	0.1	0.1	49012	0.9	193062
323	12	15	D4	60.97	105.58	61.36	99.33	1	0	0	0	0.00015	0.00076	0.00015	0.00063	0.1	0.1	49012	0.9	193062
324	12	16	C1	70.64	122.67	71.09	115.01	0	1	0	0	0.00119	0.00119	0.00121	0.00512	0.1	0.1	49012	0.9	193062
325	12	17	C1	70.64	122.99	71.09	114.95	1	0	0	0	0.00023	0.0012	0.00023	0.00098	0.1	0.1	49012	0.9	193062
326	12	18	C1	115.16	123.27	71.09	114.88	1	0	0	0	0.00099	0.00121	0.00023	0.00098	0.1	0.1	49012	0.9	193062
327	12	19	C1	115.16	123.52	71.09	114.82	1	0	0	0	0.00099	0.00122	0.00023	0.00098	0.1	0.1	49012	0.9	193062
328	12	20	C1	115.16	123.73	71.09	114.75	1	0	0	0	0.00099	0.00123	0.00023	0.00098	0.1	0.1	49012	0.3	193062
329	12	21	D4	60.97	106.95	61.36	98.99	0.5	0.5	0	0	0.00045	0.00079	0.00046	0.00194	0.1	0.1	49012	0.3	193062
330	12	22	D4	60.97	107.06	61.36	98.94	0	1	0	0	0.00076	0.00079	0.00078	0.00326	0.1	0.1	49012	0.6	193062
331	12	23	D4	60.97	107.15	61.36	98.88	0	1	0	0	0.00076	0.0008	0.00078	0.00325	0.1	0.1	49012	0.9	193062
332	12	24	D4	60.96	107.20	61.36	98.82	0	1	0	0	0.00076	0.0008	0.00078	0.00325	0.1	0.1	49012	0.9	193062
333	12	25	D4	60.96	107.21	61.36	98.77	0	0.5	0.5	0	0.00273	0.00247	0.00278	0.01159	0.1	0.1	29525	0.9	116303
334	12	26	C3	106.67	115.04	65.85	105.94	0	1	0	0	0.00408	0.00098	0.00096	0.004	0.1	0.9	10039	0.9	39543
335	12	27	C3	65.41	114.99	65.85	105.88	0	1	0	0	0.00094	0.00098	0.00096	0.00399	0.1	0.1	10039	0.9	39543
336	12	28	C3	65.41	114.90	65.85	105.82	0	1	0	0	0.00094	0.00098	0.00096	0.00398	0.1	0.1	10039	0.9	39543
337	13	1	A2	91.09	148.58	92.09	150.20	1	0	0	0	0.00049	0.00212	0.00051	0.00219	0.1	0.1	66727	0.9	262844
338	13	2	C3	65.18	106.95	65.89	107.40	0	1	0	0	0.00093	0.00079	0.00096	0.00417	0.1	0.1	66727	0.9	262844
339	13	3	C1	70.37	116.14	71.13	115.87	1	0	0	0	0.00023	0.00101	0.00023	0.00101	0.1	0.1	118100	0.9	465211
340	13	4	C3	65.20	108.20	65.89	107.27	0.34	0.33	0	0.33	0.00321	0.00195	0.00331	0.01429	0.1	0.1	118100	0.9	465211
341	13	5	C3	65.20	108.80	65.89	107.21	0	1	0	0	0.00093	0.00083	0.00096	0.00414	0.1	0.1	74403	0.3	293083
342	13	6	C4	137.83	231.18	139.27	226.48	0	1	0	0	0.00881	0.00799	0.00908	0.03907	0.5	0.1	30116	0.9	118629
343	13	7	C4	137.84	232.37	139.27	226.35	0	0	0.5	0.5	0.06775	0.0422	0.06988	0.3	0.1	0.1	30116	0.3	118629
344	13	8	D4	137.86	233.51	139.27	226.22	0	0	0.5	0.5	0.06778	0.04282	0.06988	0.29948	0.1	0.1	30116	0.3	118629
345	13	9	D2	137.87	234.61	139.27	226.09	0	1	0	0	0.00881	0.00835	0.00908	0.03887	0.1	0.1	30116	0.9	118629
346	13	10	D2	137.88	235.65	139.27	225.96	0	1	0	0	0.00882	0.00846	0.00908	0.0388	0.1	0.1	30116	0.9	118629
347	13	11	D3	137.89	236.64	139.27	225.83	0	0.5	0	0.5	0.0451	0.02657	0.04647	0.19813	0.1	0.1	30116	0.3	118629
348	13	12	D4	60.79	104.74	61.40	99.50	0	0.5	0	0.5	0.00386	0.0023	0.00398	0.01695	0.1	0.1	30116	0.9	118629
349	13	13	D4	60.79	105.13	61.40	99.45	0	1	0	0	0.00076	0.00075	0.00078	0.00331	0.1	0.1	30116	0.9	118629
350	13	14	D4	60.80	105.49	61.40	99.39	1	0	0	0	0.00015	0.00076	0.00015	0.00064	0.1	0.1	39564	0.9	155846
351	13	15	D4	60.80	105.82	61.40	99.33	1	0	0	0	0.00015	0.00077	0.00015	0.00063	0.1	0.1	49012	0.3	193062
352	13	16	C1	70.44	122.95	71.13	115.01	1	0	0	0	0.00023	0.0012	0.00023	0.00098	0.1	0.1	49012	0.9	193062
353	13	17	C1	70.44	123.27	71.13	114.95	1	0	0	0	0.00023	0.00121	0.00023	0.00098	0.1	0.1	49012	0.9	193062
354	13	18	C1	70.44	123.56	71.13	114.88	1	0	0	0	0.00023	0.00122	0.00023	0.00098	0.1	0.1	49012	0.9	193062
355	13	19	C1	70.44	123.81	71.13	114.82	1	0	0	0	0.00023	0.00123	0.00023	0.00098	0.1	0.1	49012	0.6	193062
356	13	20	C1	115.05	124.02	71.13	114.75	0	1	0	0	0.00512	0.00123	0.00121	0.00508	0.1	0.1	49012	0.3	193062
357	13	21	D4	99.30	107.20	61.40	98.99	0	1	0	0	0.00329	0.0008	0.00078	0.00326	0.1	0.1	49012	0.9	193062
358	13	22	D4	99.30	107.31	61.40	98.94	0	1	0	0	0.00329	0.0008	0.00078	0.00326	0.1	0.1	49012	0.3	193062
359	13	23	D4	60.79	107.40	61.40	98.88	0	0.5	0	0.5	0.00386	0.00248	0.00398	0.01663	0.1	0.1	49012	0.3	193062
360	13	24	D4	60.79	107.45	61.40	98.82	0	1	0	0	0.00076	0.0008	0.00078	0.00325	0.1	0.1	49012	0.3	193062
361	13	25	D4	60.79	107.46	61.40	98.77	0	0	0.5	0.5	0.00581	0.00417	0.00599	0.02493	0.1	0.1	29525	0.9	116303
362	13	26	C3	106.56	115.31	65.89	105.94	0	0.66	0.34	0	0.0112	0.00241	0.00265	0.011	0.1	0.1	10039	0.9	39543

363	13	27	C3	65.23	115.26	65.89	105.88	0	1	0	0	0.00093	0.00099	0.00096	0.00399	0.1	0.1	4724	0.9	18608
364	13	28	C3	65.22	115.17	65.89	105.82	0	1	0	0	0.00093	0.00099	0.00096	0.00398	0.1	0.1	7677	0.9	30239
365	14	1	A2	90.83	148.83	92.15	150.20	0	1	0	0	0.00252	0.00213	0.00263	0.0114	0.1	0.1	66727	0.1	262844
366	14	2	D4	60.56	99.83	61.43	100.07	0	0.66	0	0.34	0.00284	0.00156	0.00296	0.0128	0.1	0.1	92709	0.9	365190
367	14	3	D4	60.57	100.42	61.43	100.02	0	0.5	0	0.5	0.00382	0.00203	0.00399	0.01721	0.1	0.1	118100	0.9	465211
368	14	4	D4	60.58	101.00	61.43	99.96	0	1	0	0	0.00075	0.00067	0.00078	0.00336	0.1	0.1	118100	0.9	465211
369	14	5	D4	60.59	101.56	61.43	99.90	0	1	0	0	0.00075	0.00068	0.00078	0.00335	0.1	0.1	51964	0.3	204693
370	14	6	C2	137.44	231.60	139.35	226.48	0	0.5	0	0.5	0.04466	0.02491	0.04655	0.19984	0.1	0.1	18896	0.9	74434
371	14	7	C1	137.45	232.79	139.35	226.35	0.34	0.33	0.33	0	0.02119	0.01947	0.02208	0.09462	0.1	0.1	30116	0.3	118629
372	14	8	C2	137.46	233.94	139.35	226.22	0	0.66	0.34	0	0.02404	0.0201	0.02505	0.10716	0.1	0.1	30116	0.9	118629
373	14	9	D4	60.61	103.62	61.44	99.67	0	0.5	0.5	0	0.00268	0.00223	0.00279	0.01191	0.1	0.1	30116	0.3	118629
374	14	10	D4	60.61	104.08	61.44	99.62	0	1	0	0	0.00075	0.00073	0.00078	0.00332	0.1	0.1	30116	0.9	118629
375	14	11	D4	60.62	104.53	61.44	99.56	0	0.66	0	0.34	0.00285	0.00179	0.00296	0.01261	0.1	0.1	30116	0.6	118629
376	14	12	D4	60.62	104.94	61.44	99.50	0	1	0	0	0.00075	0.00075	0.00078	0.00331	0.5	0.1	30116	0.9	118629
377	14	13	D4	60.62	105.33	61.44	99.45	1	0	0	0	0.00014	0.00076	0.00015	0.00064	0.5	0.1	30116	0.3	118629
378	14	14	D4	60.62	105.70	61.44	99.39	1	0	0	0	0.00014	0.00076	0.00015	0.00064	0.1	0.1	39564	0.9	155846
379	14	15	D4	60.62	106.03	61.44	99.33	1	0	0	0	0.00014	0.00077	0.00015	0.00063	0.1	0.1	49012	0.9	193062
380	14	16	D4	60.63	106.34	61.44	99.27	1	0	0	0	0.00014	0.00078	0.00015	0.00063	0.1	0.1	49012	0.3	193062
381	14	17	D4	60.63	106.62	61.44	99.22	1	0	0	0	0.00014	0.00078	0.00015	0.00063	0.1	0.1	49012	0.9	193062
382	14	18	D4	60.63	106.86	61.44	99.16	1	0	0	0	0.00014	0.00079	0.00015	0.00063	0.1	0.1	49012	0.3	193062
383	14	19	D4	60.63	107.08	61.44	99.11	1	0	0	0	0.00014	0.00079	0.00015	0.00063	0.1	0.1	49012	0.3	193062
384	14	20	D4	60.63	107.26	61.44	99.05	1	0	0	0	0.00014	0.0008	0.00015	0.00063	0.1	0.3	49012	0.3	193062
385	14	21	D4	60.62	107.41	61.44	98.99	0	1	0	0	0.00075	0.0008	0.00078	0.00326	0.1	0.1	49012	0.3	193062
386	14	22	D4	60.62	107.53	61.44	98.94	0	1	0	0	0.00075	0.0008	0.00078	0.00326	0.1	0.1	49012	0.3	193062
387	14	23	D4	99.20	107.62	61.44	98.88	0	1	0	0	0.00328	0.00081	0.00078	0.00325	0.1	0.1	49012	0.3	193062
388	14	24	D4	99.20	107.67	61.44	98.82	0	0.5	0.5	0	0.01174	0.0025	0.00279	0.01161	0.1	0.1	21258	0.9	83738
389	14	25	D4	99.20	107.68	61.44	98.77	0	0.5	0.5	0	0.01174	0.0025	0.00279	0.01159	0.5	0.1	7677	0.9	30239
390	14	26	C3	65.05	115.55	65.93	105.94	0	1	0	0	0.00093	0.001	0.00096	0.004	0.1	0.1	7677	0.9	30239
391	14	27	C3	65.04	115.49	65.93	105.88	0	1	0	0	0.00093	0.001	0.00096	0.00399	0.1	0.1	4724	0.9	18608
392	14	28	C3	65.04	115.40	65.93	105.82	0	1	0	0	0.00093	0.00099	0.00096	0.00398	0.1	0.1	3543	0.3	18608
393	15	1	A2	90.58	149.04	92.21	150.20	0	1	0	0	0.0025	0.00214	0.00264	0.0114	0.1	0.1	37202	0.1	146541
394	15	2	D4	60.39	99.97	61.47	100.07	0	1	0	0	0.00074	0.00065	0.00078	0.00337	0.1	0.1	63184	0.3	248888
395	15	3	D4	60.40	100.56	61.47	100.02	0	0.5	0	0.5	0.00379	0.00204	0.004	0.01721	0.1	0.1	118100	0.9	465211
396	15	4	D4	60.41	101.15	61.47	99.96	0	0.5	0.5	0	0.00265	0.00207	0.00279	0.01201	0.1	0.1	118100	0.9	465211
397	15	5	D4	60.41	101.71	61.47	99.90	0	0.34	0.33	0.33	0.00402	0.00257	0.00423	0.01816	0.1	0.1	7677	0.9	30239
398	15	6	C2	137.05	231.95	139.44	226.48	0	0	0.66	0.34	0.06233	0.04197	0.06565	0.28128	0.1	0.1	7677	0.9	30239
399	15	7	C2	137.06	233.15	139.44	226.35	0	0	0.5	0.5	0.06661	0.04262	0.07014	0.3	0.5	0.1	7677	0.9	30239
400	15	8	C2	137.07	234.31	139.44	226.22	0.34	0.33	0	0.33	0.02981	0.01985	0.03138	0.13399	0.5	0.1	18896	0.9	74434
401	15	9	C3	64.86	111.38	65.97	106.97	0.5	0.5	0	0	0.00055	0.00089	0.00058	0.00245	0.1	0.1	18896	0.9	74434
402	15	10	C3	64.86	111.88	65.97	106.90	0.5	0.5	0	0	0.00055	0.00091	0.00058	0.00245	0.1	0.1	30116	0.6	118629
403	15	11	C3	64.87	112.35	65.97	106.84	1	0	0	0	0.00018	0.00092	0.00019	0.00079	0.1	0.1	30116	0.6	118629
404	15	12	D4	60.45	105.11	61.48	99.50	0.5	0.5	0	0	0.00044	0.00075	0.00047	0.00198	0.5	0.1	30116	0.3	118629
405	15	13	D4	60.45	105.51	61.48	99.45	1	0	0	0	0.00014	0.00076	0.00015	0.00064	0.5	0.1	30116	0.9	118629
406	15	14	D4	60.45	105.87	61.48	99.39	1	0	0	0	0.00014	0.00077	0.00015	0.00064	0.5	0.1	30116	0.9	118629
407	15	15	D4	60.45	106.21	61.48	99.33	1	0	0	0	0.00014	0.00077	0.00015	0.00063	0.1	0.1	30116	0.3	118629
408	15	16	D4	60.45	106.52	61.48	99.27	0	1	0	0	0.00074	0.00078	0.00078	0.00329	0.5	0.1	39564	0.9	155846
409	15	17	D4	60.45	106.80	61.48	99.22	1	0	0	0	0.00014	0.00079	0.00015	0.00063	0.5	0.1	49012	0.9	193062
410	15	18	D2	66.35	117.49	67.47	108.84	1	0	0	0	0.00019	0.00105	0.0002	0.00083	0.5	0.1	49012	0.9	193062
411	15	19	D2	66.35	117.73	67.47	108.77	1	0	0	0	0.00019	0.00106	0.0002	0.00083	0.1	0.1	49012	0.9	193062
412	15	20	D2	66.35	117.93	67.47	108.71	0.25	0.5	0	0.25	0.00281	0.00217	0.00295	0.01234	0.1	0.1	49012	0.9	193062
413	15	21	C3	64.88	115.47	65.97	106.24	0	1	0	0	0.00092	0.001	0.00097	0.00403	0.1	0.1	49012	0.9	193062
414	15	22	D4	60.45	107.72	61.48	98.94	0	1	0	0	0.00074	0.00081	0.00078	0.00326	0.1	0.1	49012	0.9	193062
415	15	23	D3	137.11	244.53	139.44	224.29	0	0.5	0.5	0	0.03101	0.02932	0.03261	0.13573	0.1	0.1	49012	0.9	193062

416	15	24	D3	137.11	244.65	139.44	224.16	0	0.5	0.5	0	0.03101	0.02936	0.03261	0.1355	0.1	0.1	4724	0.3	18608
417	15	25	D3	224.79	244.69	139.44	224.04	0	1	0	0	0.0382	0.00948	0.00912	0.03782	0.1	0.1	4724	0.3	18608
418	15	26	A1	224.79	244.65	139.44	223.91	0	1	0	0	0.0382	0.00947	0.00912	0.03775	0.1	0.1	4724	0.3	18608
419	15	27	D1	137.77	149.87	85.46	137.16	0	1	0	0	0.00879	0.00218	0.0021	0.00868	0.1	0.1	4724	0.3	18608
420	15	28	A3	81.06	144.50	82.46	132.27	0	0	0	0	0	0	0	0	0.1	0.1	2362	0.3	18608
421	16	1	A4	66.09	109.18	67.51	109.90	0	0	0.5	0.5	0.00747	0.00438	0.00796	0.03434	0.1	0.1	7677	0.9	30239
422	16	2	D4	60.22	100.09	61.51	100.07	0	0.34	0.33	0.33	0.00398	0.00245	0.00424	0.01826	0.1	0.1	7677	0.9	30239
423	16	3	D4	60.23	100.69	61.51	100.02	0	0.34	0.33	0.33	0.00398	0.00249	0.00424	0.01823	0.1	0.1	63184	0.9	248888
424	16	4	D4	60.23	101.27	61.51	99.96	0	0.34	0.33	0.33	0.00398	0.00253	0.00424	0.0182	0.1	0.1	63184	0.3	248888
425	16	5	D4	60.24	101.84	61.51	99.90	0	0.34	0.66	0	0.00324	0.00258	0.00344	0.01476	0.1	0.1	7677	0.3	30239
426	16	6	D4	60.25	102.39	61.51	99.84	0	0.5	0.5	0	0.00263	0.00215	0.0028	0.01197	0.1	0.1	7677	0.9	30239
427	16	7	C3	64.66	110.45	66.01	107.09	0	0.5	0.5	0	0.00325	0.0027	0.00346	0.01477	0.5	0.1	7677	0.9	30239
428	16	8	C3	64.67	111.00	66.01	107.03	0.34	0.33	0.33	0	0.00221	0.00211	0.00235	0.01	0.5	0.1	7677	0.9	30239
429	16	9	C3	64.67	111.52	66.01	106.97	0	1	0	0	0.00091	0.0009	0.00097	0.00412	0.5	0.1	7677	0.3	30239
430	16	10	C3	64.68	112.03	66.01	106.90	1	0	0	0	0.00018	0.00091	0.00019	0.00079	0.5	0.1	7677	0.3	30239
431	16	11	C3	64.68	112.50	66.01	106.84	0	1	0	0	0.00091	0.00092	0.00097	0.0041	0.1	0.1	18896	0.9	74434
432	16	12	C2	136.72	238.75	139.53	225.70	1	0	0	0	0.00165	0.0088	0.00176	0.00744	0.1	0.1	30116	0.9	118629
433	16	13	C2	136.72	239.64	139.53	225.57	1	0	0	0	0.00165	0.0089	0.00176	0.00742	0.1	0.1	30116	0.3	118629
434	16	14	C2	136.73	240.47	139.53	225.44	1	0	0	0	0.00165	0.00899	0.00176	0.00741	0.1	0.1	30116	0.9	118629
435	16	15	C2	136.73	241.24	139.53	225.31	0.5	0.5	0	0	0.00512	0.00908	0.00545	0.02293	0.1	0.1	30116	0.3	118629
436	16	16	C2	136.74	241.95	139.53	225.18	0	1	0	0	0.0086	0.00916	0.00914	0.0384	0.1	0.1	30116	0.3	118629
437	16	17	C2	136.74	242.59	139.53	225.06	0.5	0.5	0	0	0.00513	0.00923	0.00545	0.02285	0.1	0.1	30116	0.9	118629
438	16	18	C2	136.74	243.15	139.53	224.93	1	0	0	0	0.00165	0.0093	0.00176	0.00736	0.1	0.1	30116	0.9	118629
439	16	19	C2	136.74	243.65	139.53	224.80	0.5	0.5	0	0	0.00513	0.00935	0.00545	0.02278	0.1	0.1	30116	0.9	118629
440	16	20	C2	136.74	244.07	139.53	224.67	0	1	0	0	0.0086	0.0094	0.00914	0.03814	0.1	0.1	30116	0.3	118629
441	16	21	C2	136.73	244.41	139.53	224.54	0	0.5	0.5	0	0.03075	0.02927	0.03268	0.13619	0.1	0.1	30116	0.9	118629
442	16	22	C3	64.69	115.77	66.01	106.18	0	0.5	0.5	0	0.00326	0.00311	0.00346	0.0144	0.1	0.1	30116	0.3	118629
443	16	23	C3	64.69	115.86	66.01	106.12	0	0	1	0	0.0056	0.00523	0.00595	0.02473	0.1	0.1	17715	0.3	69782
444	16	24	A1	136.72	245.00	139.53	224.16	0	1	0	0	0.00859	0.00951	0.00914	0.03788	0.1	0.1	4724	0.1	18608
445	16	25	A1	224.57	245.04	139.53	224.03	0	1	0	0	0.03809	0.00952	0.00914	0.03782	0.1	0.1	4724	0.9	18608
446	16	26	A1	136.70	245.00	139.53	223.91	0	0.5	0.25	0.25	0.03734	0.02948	0.0397	0.16408	0.1	0.1	4724	0.9	18608
447	16	27	D1	137.63	150.09	85.52	137.16	0	0.66	0.34	0	0.02413	0.00531	0.00579	0.02388	0.1	0.1	4724	0.3	18608
448	16	28	A3	132.80	144.71	82.52	132.27	0	0	0	0	0	0	0	0	0.1	0.1	2953	0.6	39543
449	17	1	A4	65.90	109.28	67.55	109.90	0	1	0	0	0.00096	0.00084	0.00104	0.00446	0.1	0.1	7677	0.9	30239
450	17	2	D4	60.05	100.18	61.55	100.07	0	1	0	0	0.00073	0.00065	0.00078	0.00337	0.1	0.1	7677	0.9	30239
451	17	3	D4	60.06	100.78	61.55	100.02	0.34	0	0.66	0	0.00301	0.0025	0.00324	0.01389	0.1	0.1	7677	0.9	30239
452	17	4	D4	60.06	101.36	61.55	99.96	0	0	0.66	0.34	0.00525	0.0035	0.00565	0.02418	0.1	0.1	7677	0.3	30239
453	17	5	D4	60.07	101.93	61.55	99.90	0	0.5	0.5	0	0.00261	0.00212	0.00281	0.01199	0.1	0.1	7677	0.9	30239
454	17	6	D4	60.08	102.49	61.55	99.84	0	0	0	3	0.0202	0.01086	0.02172	0.0927	0.1	0.1	7677	0.9	30239
455	17	7	C1	64.48	110.56	66.05	107.09	0	0.66	0.34	0	0.00248	0.00212	0.00267	0.01137	0.1	0.1	7677	0.9	30239
456	17	8	C1	64.48	111.11	66.05	107.03	0.34	0.33	0.33	0	0.00219	0.00212	0.00235	0.01	0.5	0.1	7677	0.9	30239
457	17	9	C3	64.49	111.64	66.05	106.97	1	0	0	0	0.00017	0.0009	0.00019	0.00079	0.5	0.1	7677	0.3	30239
458	17	10	C3	64.49	112.14	66.05	106.90	1	0	0	0	0.00017	0.00091	0.00019	0.00079	0.5	0.1	7677	0.3	30239
459	17	11	C3	64.50	112.62	66.05	106.84	0.5	0.5	0	0	0.00054	0.00092	0.00058	0.00245	0.1	0.1	18896	0.9	74434
460	17	12	C2	136.33	238.99	139.62	225.70	1	0	0	0	0.00164	0.00883	0.00176	0.00744	0.1	0.1	30116	0.3	118629
461	17	13	C2	136.33	239.89	139.62	225.57	1	0	0	0	0.00164	0.00893	0.00176	0.00742	0.1	0.1	30116	0.9	118629
462	17	14	C2	136.34	240.73	139.62	225.44	1	0	0	0	0.00164	0.00902	0.00176	0.00741	0.1	0.1	30116	0.9	118629
463	17	15	C2	136.34	241.50	139.62	225.31	0.5	0.5	0	0	0.00508	0.00911	0.00546	0.02293	0.1	0.1	30116	0.3	118629
464	17	16	C2	136.35	242.21	139.62	225.18	1	0	0	0	0.00164	0.00919	0.00176	0.00738	0.1	0.1	30116	0.3	118629
465	17	17	C2	136.35	242.85	139.62	225.06	1	0	0	0	0.00164	0.00926	0.00176	0.00737	0.1	0.1	30116	0.3	118629
466	17	18	C2	136.35	243.42	139.62	224.93	0.5	0.5	0	0	0.00508	0.00933	0.00546	0.02282	0.1	0.1	30116	0.3	118629
467	17	19	C2	136.35	243.91	139.62	224.80	0	1	0	0	0.00853	0.00938	0.00915	0.03821	0.1	0.1	4724	0.9	18608
468	17	20	C2	136.35	244.34	139.62	224.67	0	1	0	0	0.00853	0.00943	0.00915	0.03814	0.1	0.1	4724	0.3	18608

469	17	21	C2	136.34	244.69	139.62	224.54	1	0	0	0	0.00164	0.00948	0.00176	0.00732	0.1	0.1	4724	0.9	18608
470	17	22	C3	64.50	115.89	66.05	106.18	0.5	0.5	0	0	0.00054	0.00101	0.00058	0.0024	0.1	0.1	4724	0.3	18608
471	17	23	C3	64.50	115.99	66.05	106.12	1	0	0	0	0.00017	0.00101	0.00019	0.00077	0.1	0.1	4724	0.3	18608
472	17	24	A1	224.35	245.27	139.62	224.16	0	1	0	0	0.03798	0.00954	0.00915	0.03788	0.1	0.1	4724	0.9	18608
473	17	25	A1	136.32	245.31	139.61	224.03	0	1	0	0	0.00852	0.00955	0.00915	0.03782	0.1	0.1	4724	0.9	18608
474	17	26	A1	136.31	245.27	139.61	223.91	0	0.5	0.5	0	0.03047	0.02958	0.03273	0.13504	0.1	0.1	4724	0.9	18608
475	17	27	D1	83.54	150.25	85.57	137.16	0	0	0	0	0	0	0	0	0.1	0.1	2362	0.3	18608
476	17	28	A3	80.60	144.87	82.57	132.27	0	1	0	0	0.00176	0.00197	0.00189	0.00778	0.1	0.1	7677	0.3	39543
477	18	1	A4	65.71	109.35	67.59	109.90	0	1	0	0	0.00095	0.00085	0.00104	0.00446	0.1	0.1	7677	0.9	30239
478	18	2	D4	59.88	100.25	61.58	100.07	0	1	0	0	0.00072	0.00065	0.00079	0.00337	0.1	0.1	7677	0.9	30239
479	18	3	D4	59.88	100.85	61.59	100.02	0	1	0	0	0.00072	0.00066	0.00079	0.00336	0.1	0.1	7677	0.9	30239
480	18	4	D4	59.89	101.43	61.59	99.96	0	0.66	0.34	0	0.00199	0.00164	0.00216	0.00924	0.1	0.1	7677	0.9	30239
481	18	5	C1	64.28	109.47	66.09	107.21	0	1	0	0	0.00089	0.00085	0.00097	0.00414	0.1	0.1	7677	0.9	30239
482	18	6	C1	64.29	110.06	66.09	107.15	0	1	0	0	0.00089	0.00086	0.00097	0.00414	0.1	0.1	7677	0.3	30239
483	18	7	C1	64.29	110.63	66.09	107.09	0	1	0	0	0.00089	0.00088	0.00097	0.00413	0.1	0.1	7677	0.3	30239
484	18	8	C1	64.30	111.19	66.09	107.03	0	0.5	0.5	0	0.0032	0.00276	0.00347	0.01475	0.5	0.1	7677	0.9	30239
485	18	9	C3	64.30	111.72	66.09	106.97	0	1	0	0	0.00089	0.0009	0.00097	0.00412	0.5	0.1	7677	0.9	30239
486	18	10	C3	64.31	112.22	66.09	106.90	1	0	0	0	0.00017	0.00091	0.00019	0.00079	0.5	0.1	7677	0.9	30239
487	18	11	C3	64.31	112.70	66.09	106.84	1	0	0	0	0.00017	0.00093	0.00019	0.00079	0.1	0.1	30116	0.3	118629
488	18	12	C2	135.94	239.17	139.70	225.70	1	0	0	0	0.00162	0.00885	0.00176	0.00744	0.1	0.1	30116	0.9	118629
489	18	13	C2	135.95	240.07	139.70	225.57	1	0	0	0	0.00163	0.00895	0.00176	0.00742	0.1	0.1	30116	0.9	118629
490	18	14	C2	135.95	240.91	139.70	225.44	1	0	0	0	0.00163	0.00904	0.00176	0.00741	0.1	0.1	30116	0.3	118629
491	18	15	C2	135.95	241.69	139.70	225.31	0	1	0	0	0.00845	0.00913	0.00917	0.03847	0.1	0.1	23620	0.9	118629
492	18	16	C2	135.96	242.40	139.70	225.18	0	0	0	0	0	0	0	0	0.1	0.1	1181	0.9	4652
493	18	17	C2	135.96	243.04	139.70	225.05	0	0	0	0	0	0	0	0	0.1	0.1	1181	0.9	4652
494	18	18	C2	135.96	243.61	139.70	224.93	0	0	0	0	0	0	0	0	0.1	0.1	1181	0.9	4652
495	18	19	C2	135.96	244.11	139.70	224.80	0	1	0	0	0.00845	0.00941	0.00917	0.0382	0.1	0.1	3543	0.9	18608
496	18	20	C2	135.96	244.53	139.70	224.67	0	0	0	0	0	0	0	0	0.1	0.1	1181	0.3	4652
497	18	21	C2	135.95	244.88	139.70	224.54	0	1	0	0	0.00845	0.0095	0.00917	0.03807	0.1	0.1	2953	0.9	18608
498	18	22	C3	64.32	115.99	66.10	106.18	0	1	0	0	0.00089	0.00101	0.00097	0.00403	0.1	0.1	4724	0.9	18608
499	18	23	C3	64.32	116.08	66.10	106.11	1	0	0	0	0.00017	0.00101	0.00019	0.00077	0.1	0.1	4724	0.9	18608
500	18	24	A1	224.13	245.47	139.70	224.16	0	1	0	0	0.03786	0.00957	0.00917	0.03788	0.1	0.1	4724	0.3	18608
501	18	25	A1	135.93	245.50	139.70	224.03	0	1	0	0	0.00845	0.00957	0.00917	0.03782	0.1	0.1	4724	0.9	18608
502	18	26	A1	135.92	245.47	139.70	223.91	0	1	0	0	0.00844	0.00957	0.00917	0.03775	0.1	0.1	4724	0.3	30239
503	18	27	D1	83.30	150.37	85.62	137.16	0	1	0	0	0.00194	0.0022	0.00211	0.00868	0.1	0.1	8267	0.1	39543
504	18	28	A3	80.37	144.98	82.62	132.27	0	1	0	0	0.00175	0.00197	0.0019	0.00778	0.1	0.1	10039	0.9	39543
505	19	1	A4	65.52	109.39	67.63	109.90	0	1	0	0	0.00095	0.00085	0.00104	0.00446	0.1	0.1	7677	0.9	30239
506	19	2	A4	65.53	110.07	67.63	109.84	0	1	0	0	0.00095	0.00086	0.00104	0.00446	0.1	0.1	7677	0.9	30239
507	19	3	A4	65.54	110.73	67.64	109.77	0	1	0	0	0.00095	0.00088	0.00104	0.00445	0.1	0.1	7677	0.9	30239
508	19	4	A4	65.55	111.37	67.64	109.71	0	0.5	0.5	0	0.00339	0.00277	0.00372	0.01589	0.1	0.1	7677	0.3	30239
509	19	5	D4	59.73	102.05	61.62	99.90	0	0	1	0	0.00441	0.00357	0.00484	0.02063	0.1	0.1	7677	0.3	30239
510	19	6	D4	59.73	102.60	61.62	99.84	0	1	0	0	0.00072	0.0007	0.00079	0.00335	0.1	0.1	7677	0.1	30239
511	19	7	D4	59.74	103.14	61.63	99.79	0	1	0	0	0.00072	0.00071	0.00079	0.00334	0.1	0.1	7677	0.3	30239
512	19	8	D4	59.74	103.65	61.63	99.73	0	1	0	0	0.00072	0.00072	0.00079	0.00334	0.1	0.1	7677	0.9	30239
513	19	9	D4	59.75	104.15	61.63	99.67	0	1	0	0	0.00072	0.00073	0.00079	0.00333	0.5	0.1	7677	0.3	30239
514	19	10	D4	59.75	104.62	61.63	99.62	0	0	0	0	0	0	0	0	0.5	0.1	7677	0.9	30239
515	19	11	D4	59.76	105.07	61.63	99.56	0	1	0	0	0.00072	0.00075	0.00079	0.00332	0.1	0.1	30116	0.9	118629
516	19	12	C4	135.55	239.28	139.79	225.70	0	0	0	0	0	0	0	0	0.1	0.1	1181	0.9	4652
517	19	13	C4	135.56	240.18	139.79	225.57	0	0	0	0	0	0	0	0	0.1	0.1	1181	0.9	4652
518	19	14	C4	135.56	241.02	139.79	225.44	0	0	0	0	0	0	0	0	0.1	0.1	1181	0.9	4652
519	19	15	C4	135.57	241.80	139.79	225.31	0	0	0	0	0	0	0	0	0.1	0.1	1181	0.9	4652
520	19	16	D2	135.57	242.51	139.79	225.18	0	0	0	0	0	0	0	0	0.1	0.1	1181	0.9	4652
521	19	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

522	19	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
523	19	19	C4	135.57	244.22	139.79	224.80	0	0	0	0	0	0	0	0	0.1	0.1	1181	0.1	4652
524	19	20	C4	135.57	244.65	139.79	224.67	0	1	0	0	0.00838	0.00947	0.00919	0.03814	0.1	0.1	4724	0.9	18608
525	19	21	C4	135.57	245.00	139.79	224.54	0	1	0	0	0.00838	0.00951	0.00919	0.03807	0.1	0.1	4724	0.1	18608
526	19	22	C3	64.14	116.04	66.14	106.17	0	1	0	0	0.00089	0.00101	0.00097	0.00403	0.1	0.1	4724	0.3	18608
527	19	23	C3	64.13	116.13	66.14	106.11	0	1	0	0	0.00089	0.00101	0.00097	0.00402	0.1	0.1	4724	0.3	18608
528	19	24	C3	105.93	116.19	66.14	106.05	0	1	0	0	0.004	0.00101	0.00097	0.00401	0.1	0.1	4724	0.9	18608
529	19	25	C3	64.13	116.21	66.14	105.99	0	1	0	0	0.00089	0.00102	0.00097	0.004	0.1	0.1	7677	0.9	30239
530	19	26	C3	64.12	116.19	66.14	105.93	0	1	0	0	0.00089	0.00101	0.00097	0.004	0.1	0.1	10039	0.9	39543
531	19	27	C3	64.12	116.13	66.14	105.87	0	1	0	0	0.00089	0.00101	0.00097	0.00399	0.1	0.1	10039	0.6	39543
532	19	28	C3	64.12	116.04	66.13	105.81	0	1	0	0	0.00089	0.00101	0.00097	0.00398	0.1	0.1	10039	0.9	39543
533	20	1	A4	65.34	109.41	67.68	109.90	0	1	0	0	0.00094	0.00085	0.00104	0.00446	0.1	0.1	7677	0.9	30239
534	20	2	A4	65.35	110.08	67.68	109.84	0	1	0	0	0.00094	0.00086	0.00104	0.00446	0.1	0.1	7677	0.9	30239
535	20	3	A4	65.35	110.74	67.68	109.77	0	1	0	0	0.00094	0.00088	0.00104	0.00445	0.1	0.1	7677	0.9	30239
536	20	4	A4	65.36	111.39	67.68	109.71	0	1	0	0	0.00094	0.00089	0.00104	0.00444	0.1	0.1	7677	0.9	30239
537	20	5	A4	65.37	112.02	67.68	109.65	0	1	0	0	0.00094	0.00091	0.00104	0.00443	0.1	0.1	7677	0.9	30239
538	20	6	D4	59.56	102.61	61.66	99.84	0	1	0	0	0.00071	0.0007	0.00079	0.00335	0.1	0.1	7677	0.9	30239
539	20	7	D4	59.57	103.15	61.66	99.79	0	1	0	0	0.00071	0.00071	0.00079	0.00334	0.1	0.1	7677	0.9	30239
540	20	8	C1	59.57	103.67	61.66	99.73	0	1	0	0	0.00071	0.00072	0.00079	0.00334	0.1	0.1	7677	0.9	30239
541	20	9	C1	59.58	104.16	61.66	99.67	0	1	0	0	0.00071	0.00073	0.00079	0.00333	0.1	0.1	7677	0.9	30239
542	20	10	C1	59.58	104.63	61.66	99.61	0	1	0	0	0.00071	0.00074	0.00079	0.00332	0.5	0.1	7677	0.9	30239
543	20	11	C1	59.59	105.08	61.66	99.56	0	1	0	0	0.00071	0.00075	0.00079	0.00332	0.5	0.1	30116	0.6	118629
544	20	12	D2	135.17	239.32	139.87	225.70	0	0	0	0	0	0	0	0	0.5	0.1	1181	0.9	4652
545	20	13	D2	135.17	240.22	139.87	225.57	0	0	0	0	0	0	0	0	0.1	0.1	1181	0.9	4652
546	20	14	D2	135.18	241.06	139.87	225.44	0	0	0	0	0	0	0	0	0.1	0.1	1181	0.9	4652
547	20	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
548	20	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
549	20	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
550	20	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
551	20	19	D4	59.60	107.68	61.67	99.10	0	0	0	0	0	0	0	0	0.1	0.1	1181	0.6	4652
552	20	20	D4	59.60	107.87	61.67	99.05	0	0	0	0	0	0	0	0	0.1	0.1	1181	0.6	4652
553	20	21	D4	59.60	108.03	61.67	98.99	0	1	0	0	0.00071	0.00082	0.00079	0.00326	0.1	0.1	4724	0.9	18608
554	20	22	C3	63.95	116.06	66.18	106.17	0	1	0	0	0.00088	0.00101	0.00097	0.00403	0.1	0.1	4724	0.3	18608
555	20	23	C3	105.83	116.15	66.18	106.11	0	1	0	0	0.00399	0.00101	0.00097	0.00402	0.1	0.1	4724	0.3	18608
556	20	24	C3	63.95	116.21	66.18	106.05	0	1	0	0	0.00088	0.00102	0.00097	0.00401	0.1	0.1	4724	0.3	18608
557	20	25	C3	63.95	116.23	66.18	105.99	0	1	0	0	0.00088	0.00102	0.00097	0.004	0.1	0.1	10039	0.9	39543
558	20	26	C3	63.94	116.21	66.18	105.93	0	1	0	0	0.00088	0.00102	0.00097	0.004	0.1	0.1	10039	0.6	39543
559	20	27	C3	63.94	116.15	66.18	105.87	0	1	0	0	0.00088	0.00101	0.00097	0.00399	0.1	0.1	10039	0.9	39543
560	20	28	C3	63.93	116.06	66.18	105.81	0	1	0	0	0.00088	0.00101	0.00097	0.00398	0.1	0.1	10039	0.3	39543

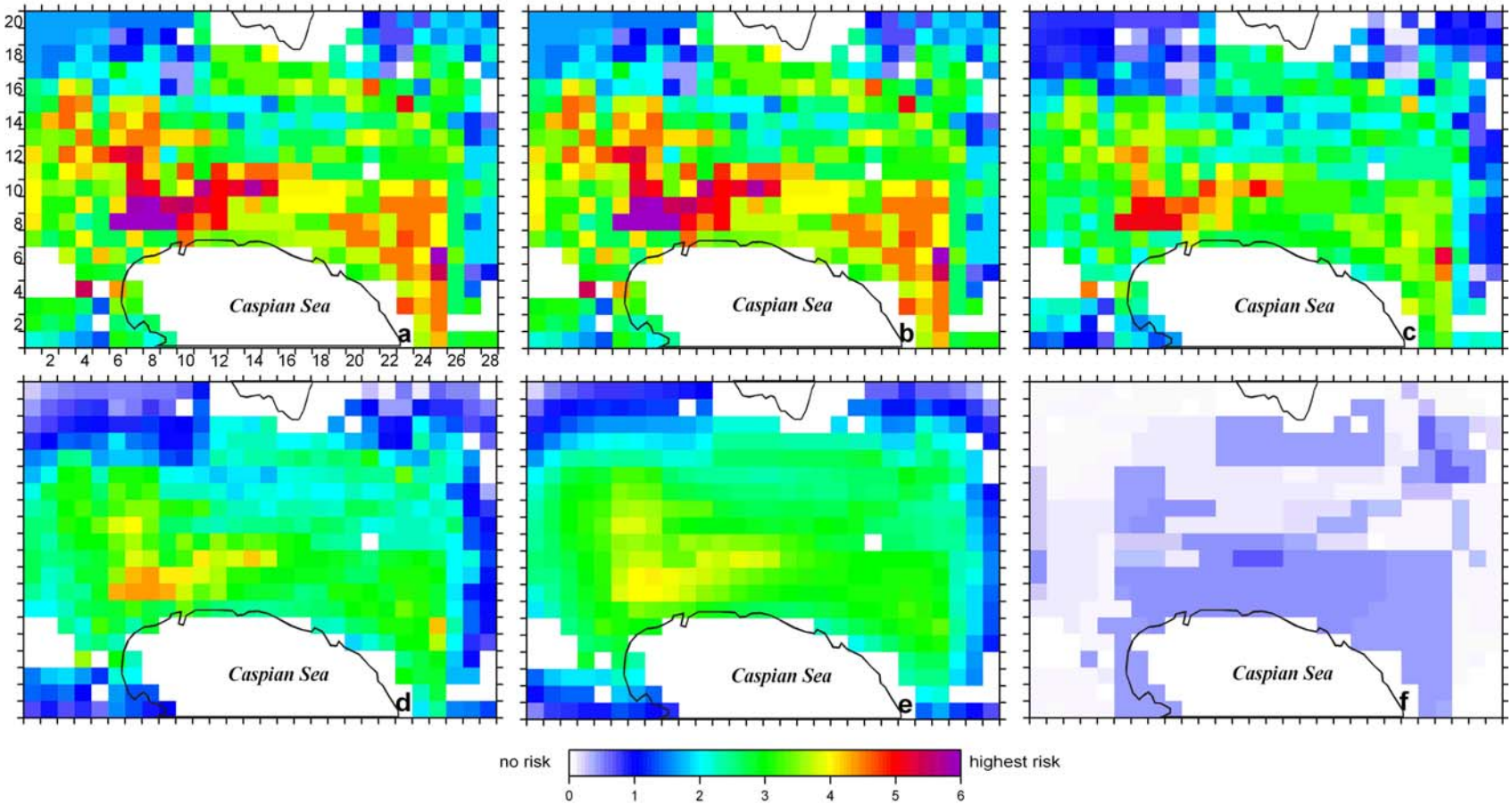

Figure S1. Earthquake risk models for the *near event* scenario. The models here and in Figs. S2-S4 represent the product of functions f_k, k = 1, 2, 3, 4, 5, and 6 (panel ***a***) and the convolution of the functions for various parameter β: (panel ***b***) 10^{10}, (***c***) 10^{5}, (***d***) 10^{4}, (***e***) 10^{3}, and (***f***) 0.1.

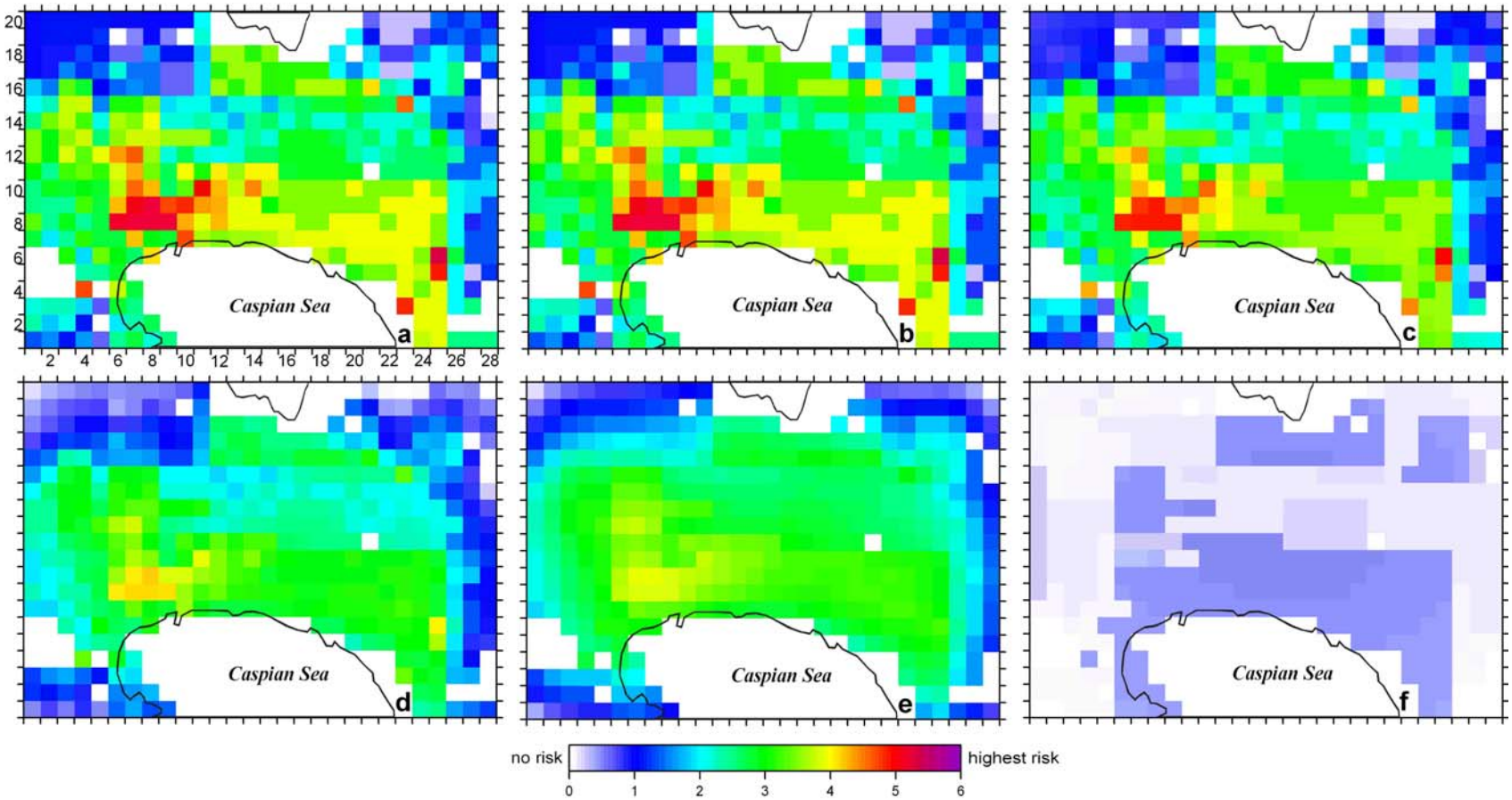

Figure S2. Earthquake risk models for the *local event* scenario. See Fig. S1 for detail.

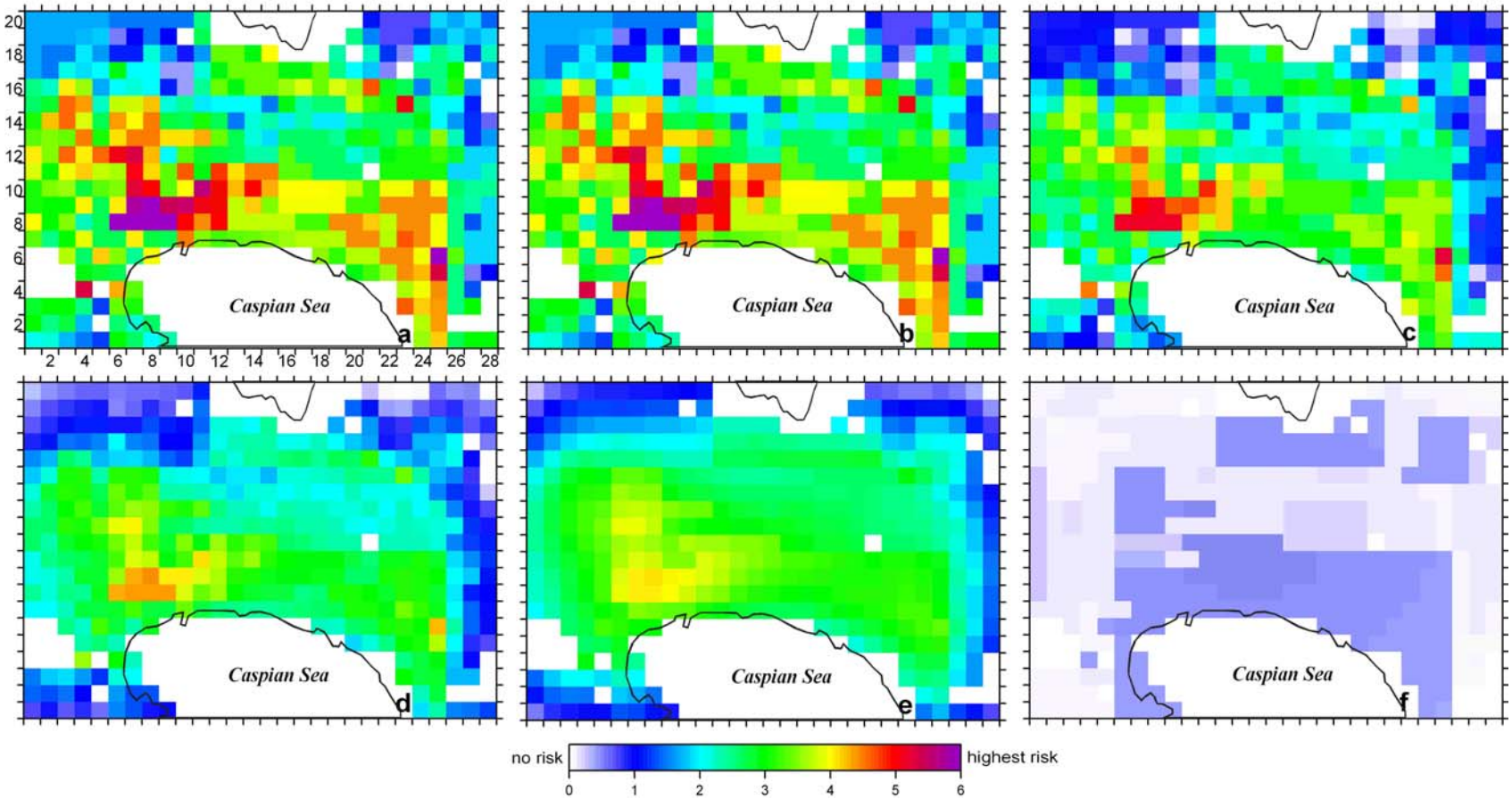

Figure S3. Earthquake risk models for the *far event* scenario. See Fig. S1 for detail.

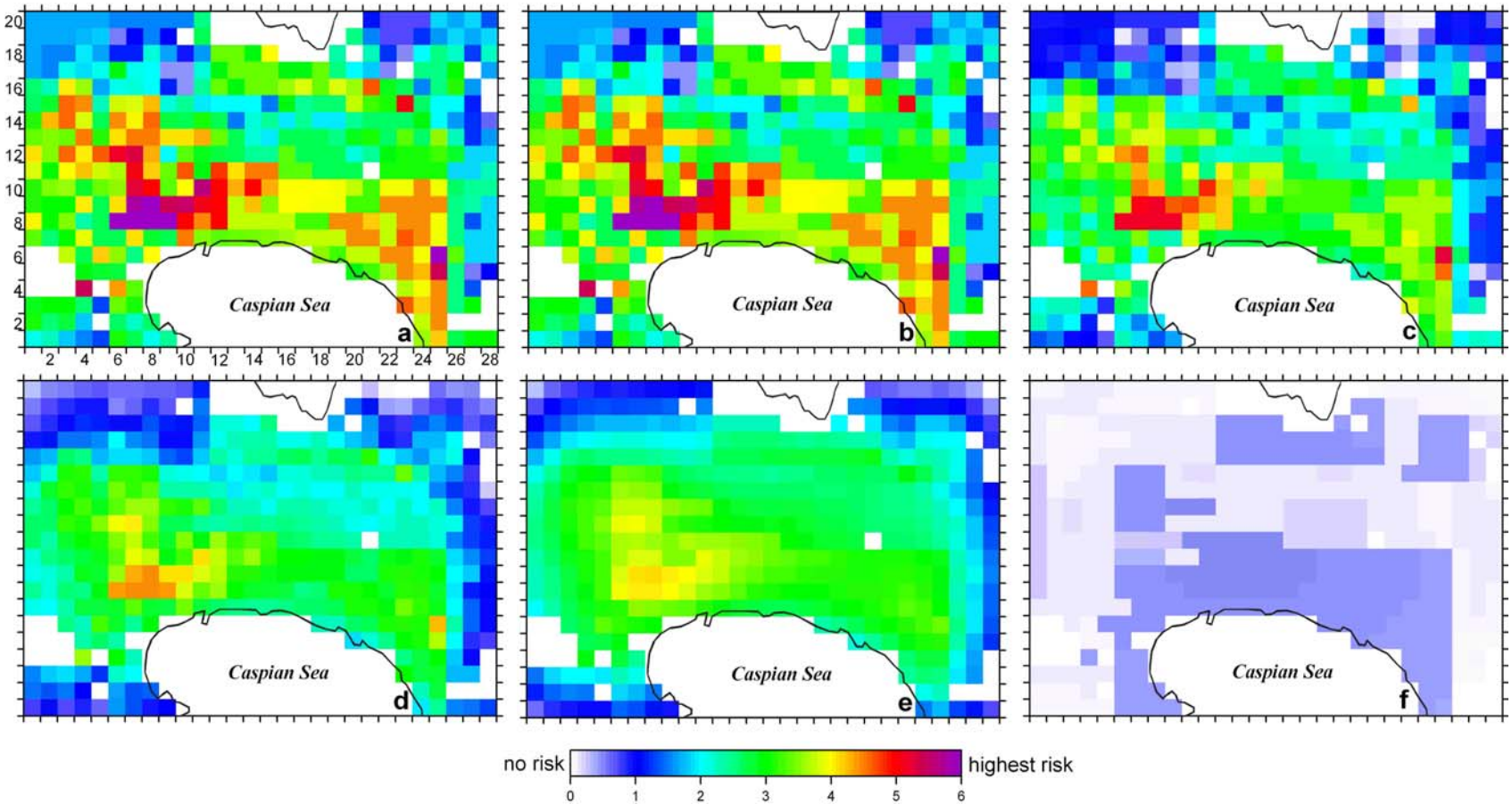

Figure S4. Earthquake risk models for the *extreme event* scenario. See Fig. S1 for detail.