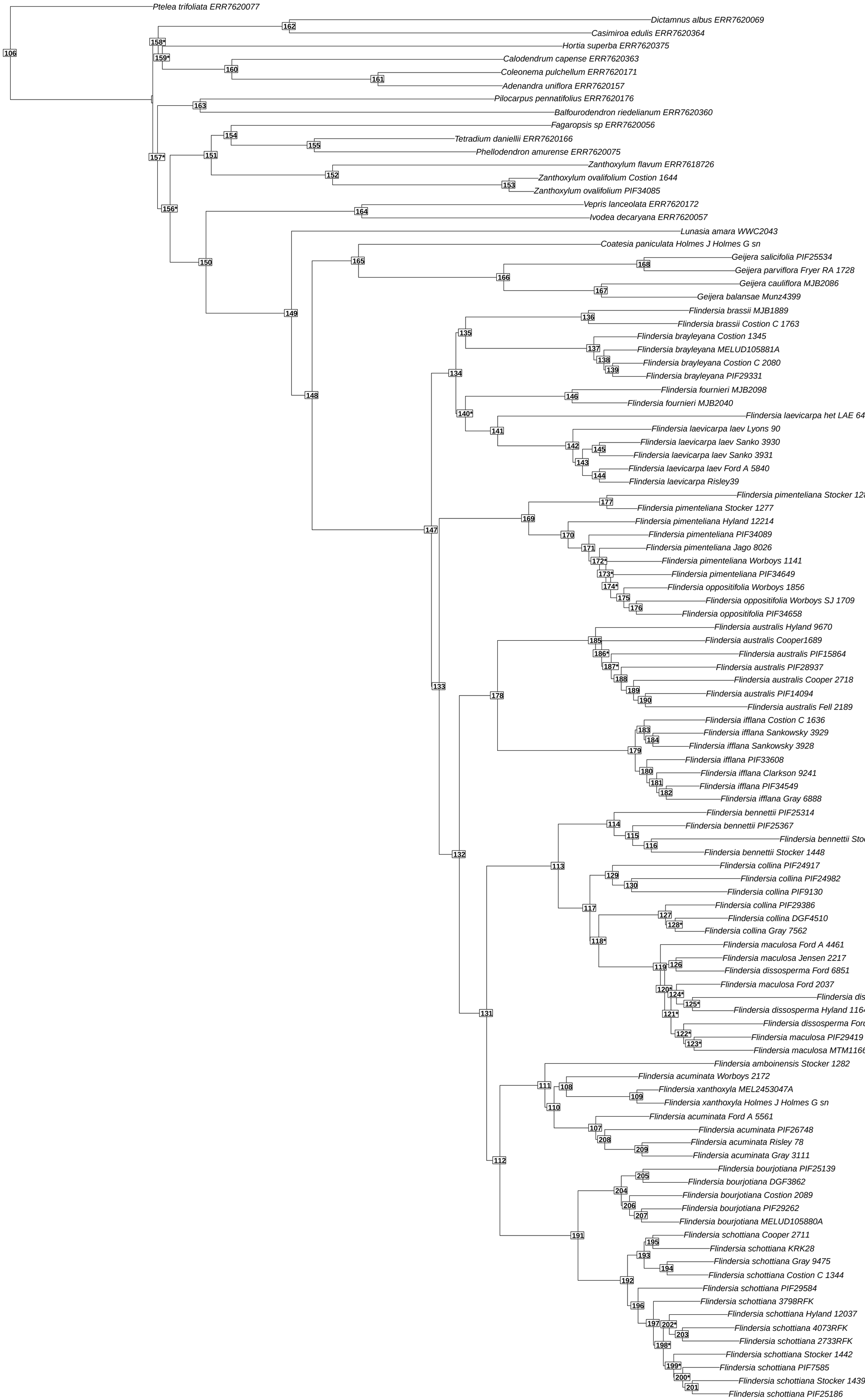

all_phylogenetics_MI_concordance_IQTREE

ID	gene_Ψ1	gene_Ψ2	gene_Ψ3	gene_Ψ4	gene_Ψ1_N	gene_Ψ2_N	gene_Ψ3_N	gene_Ψ4_N	gene_N	site_Ψ1	site_Ψ2	site_Ψ3	site_Ψ4	site_Ψ1_N	site_Ψ2_N	site_Ψ3_N	site_Ψ4_N	site_N	SH_aLRT	UFBoot	length_subs_per_site
107	65.63	8.85	1.04	24.48	126	17	2	47	192	53.06	40.56	6.38	0	232.43	177.75	28.69	0	438.868	100	100	0.9782950
108	32.62	27.66	21.28	18.44	92	78	60	52	282	36.67	35.69	27.65	0	130.83	128.24	98.63	0	357.694	91.3	96	0.2890130
109	84.26	5.54	2.04	8.16	289	19	7	28	343	90.31	5.41	4.28	0	935.24	56.04	44.31	0	1035.583	100	100	1.6548300
110	19.61	27.45	5.88	47.06	10	14	3	24	51	55.33	33.14	11.53	0	20.59	12.29	4.31	0	37.198	60.9	96	0.2150450
111	42.37	10.17	10.17	37.29	25	6	6	22	59	77.78	12.15	10.08	0	48.98	7.66	6.37	0	63.004	100	100	1.0553800
112	25.37	17.41	10.45	46.77	51	35	21	94	201	41.02	31.45	27.53	0	68.52	52.56	46.09	0	167.163	99.7	100	0.3116570
113	52.74	4.48	1.99	40.80	106	9	4	82	201	71.06	16.21	12.73	0	178.27	40.74	31.98	0	250.995	100	100	1.6802200
114	62.88	3.03	1.52	32.58	83	4	2	43	132	79.28	11.04	9.68	0	193.20	26.96	23.64	0	243.793	100	100	1.3097600
115	25.69	28.47	22.22	23.61	37	41	32	34	144	38.54	40.33	21.13	0	80.85	84.63	44.32	0	209.799	97.2	100	0.4366630
116	20.72	27.03	26.13	26.13	23	30	29	29	111	49.07	27.12	23.81	0	62.40	34.48	30.31	0	127.191	91.3	100	0.4374960
117	37.61	8.97	5.13	48.29	88	21	12	113	234	61.34	22.60	16.06	0	179.79	66.32	47.14	0	293.258	100	100	0.7426050
118*	16.12	20.07	14.80	49.01	49	61	45	149	304	30.13	39.18	30.69	0	126.39	164.29	128.68	0	419.350	81.8	94	0.2080060
119	56.21	2.29	0.65	40.85	172	7	2	125	306	85.62	7.88	6.50	0	546.42	50.33	41.55	0	638.305	100	100	1.4469800
120*	5.66	11.32	4.40	78.62	18	36	14	250	318	44.61	27.84	27.56	0	126.79	75.25	75.11	0	277.137	61.1	93	0.0990982
121*	6.78	6.78	2.82	83.62	24	24	10	296	354	24.38	38.83	36.79	0	196.72	334.70	310.41	0	841.825	43.7	92	0.1486530
122*	8.39	5.59	4.55	81.47	24	16	13	233	286	39.46	30.70	29.84	0	165.13	131.78	127.65	0	424.558	91.9	71	0.2968950
123*	15.07	11.42	7.31	66.21	33	25	16	145	219	29.01	44.43	26.56	0	61.32	93.87	56.15	0	211.335	60.9	94	0.2445090
124*	6.89	5.25	4.59	83.28	21	16	14	254	305	50.10	38.54	11.37	0	237.88	185.49	49.72	0	473.094	33.3	66	0.1285360
125*	10.27	5.48	5.48	78.77	15	8	8	115	146	46.74	29.05	24.21	0	41.94	26.09	21.85	0	89.882	92.9	70	0.3746570
126	18.98	6.52	3.68	70.82	67	23	13	250	353	54.34	24.66	21.00	0	178.95	78.67	67.01	0	324.641	97	99	0.2661420
127	62.61	2.61	1.74	33.04	144	6	4	76	230	80.27	13.23	6.49	0	407.54	67.25	32.99	0	507.784	100	100	1.5663700
128*	29.29	32.32	22.73	15.66	58	64	45	31	198	41.23	39.08	19.69	0	80.33	76.14	38.35	0	194.820	49.3	91	0.2256060
129	26.05	9.30	6.51	58.14	56	20	14	125	215	46.56	34.44	18.99	0	138.68	102.68	56.59	0	297.949	100	100	0.5304970
130	27.03	21.08	19.46	32.43	50	39	36	60	185	38.32	34.16	27.52	0	81.75	72.90	58.72	0	213.363	95.5	100	0.4468680
131	35.63	9.20	8.05	47.13	62	16	14	82	174	56.13	24.56	19.32	0	105.15	46.03	36.25	0	187.431	100	100	0.6402810
132	30.32	16.13	9.03	44.52	47	25	14	69	155	42.56	29.42	28.02	0	94.91	65.61	62.56	0	223.086	99.9	100	0.4727880
133	22.22	9.52	6.35	61.90	14	6	4	39	63	31.06	45.81	23.13	0	16.86	24.88	12.55	0	54.293	78.1	95	0.1818800
134	28.00	8.00	6.00	58.00	14	4	3	29	50	44.19	36.51	19.30	0	17.17	14.20	7.51	0	38.874	99.3	100	0.5727090
135	25.76	18.94	10.61	44.70	34	25	14	59	132	41.29	32.71	26.00	0	77.51	61.44	48.82	0	187.767	81.2	98	0.2280190
136	88.24	1.96	1.96	7.84	45	1	1	4	51	89.09	5.64	5.27	0	202.52	12.83	11.98	0	227.325	100	100	2.8826300
137	86.23	1.80	0.60	11.38	144	3	1	19	167	92.86	4.45	2.69	0	600.80	28.82	17.40	0	647.021	100	100	3.0099400
138	26.18	23.61	20.17	30.04	61	55	47	70	233	41.09	34.21	24.70	0	92.86	77.34	55.88	0	226.088	93.7	99	0.2354070
139	32.53	23.19	16.27	28.01	108	77	54	93	332	37.77	34.90	27.33	0	155.63	143.73	112.57	0	411.937	88	97	0.2052330
140*	23.94	18.31	15.49	42.25	34	26	22	60	142	36.21	33.46	30.33	0	62.19	57.44	52.05	0	171.683	35.7	85	0.2242140
141	48.81	10.71	9.52	30.95	41	9	8	26	84	76.82	13.03	10.16	0	119.53	20.30	15.82	0	155.650	99.9	100	0.7562780
142	62.14	16.50	3.88	17.48	64	17	4	18	103	74.69	19.14	6.18	0	205.29	52.60	16.98	0	274.870	100	100	1.7661500
143	31.94	16.20	9.26	42.59	69	35	20	92	216	52.65	34.08	13.26	0	133.22	81.59	31.81	0	246.629	59.3	96	0.2258750
144	32.14	26.30	11.04	30.52	99	81	34	94	308	53.54	29.40	17.06	0	261.38	140.93	81.82	0	484.128	98.6	100	0.3963050
145	27.40	15.07	11.30	46.23	80	44	33	135	292	64.80	21.03	14.18	0	258.35	82.27	55.39	0	396.002	99.6	100	0.3960010
146	83.44	3.18	2.55	10.83	131	5	4	17	157	84.20	8.46	7.35	0	418.42	42.05	36.55	0	497.028	100	100	2.5031700
147	57.50	0.00	0.00	42.50	23	0	0	17	40	64.95	22.31	12.74	0	21.97	7.56	4.33	0	33.859	100	100	2.8006400
148	40.00	20.00	0.00	40.00	6	3	0	6	15	58.90	24.68	16.42	0	8.00	3.42	2.25	0	13.663	34.8	96	0.4823790
149	44.00	16.00	12.00	28.00	11	4	3	7	25	21.93	39.53	38.53	0	4.06	7.31	7.08	0	18.454	98.1	100	2.0072900
150	20.51	15.38	7.69	56.41	8	6	3	22	39	52.61	31.37	16.02	0	10.22	6.14	3.14	0	19.497	89.9	97	0.8424310
151	44.34	6.60	1.89	47.17	47	7	2	50	106	49.04	26.79	24.17	0	48.94	26.80	24.17	0	99.906	100	100	0.9658840
152	91.18	0.59	0.00	8.24	155	1	0	14	170	79.44	10.88	9.68	0	211.18	28.94	25.76	0	265.879	100	100	2.8466600
153	98.39	0.40	0.40	0.81	244	1	1	2	248	96.31	1.94	1.74	0	1760.47	35.54	31.85	0	1827.860	100	100	4.1412400
154	38.10	19.64	19.05	23.21	64	33	32	39	168	44.91	32.39	22.70	0	84.38	60.89	42.68	0	187.949	99.3	100	0.4652590
155	86.49	4.05	4.05	5.41	192	9	9	12	222	73.77	13.60	12.63	0	735.38	135.62	125.88	0	996.882	100	100	1.9523900
156*	14.41	11.86	9.32	64.41	17	14	11	76	118	38.78	30.85	30.37	0	51.49	40.94	40.30	0	132.718	96.2	94	0.2952070
157*	14.07	16.58	13.07	56.28	28	33	26	112	199	33.00	36.67	30.33	0	107.69	119.65	99.03	0	326.371	79.7	58	0.1112330
158*	17.24	13.79	11.21	57.76	20	16	13	67	116	34.39	35.07	30.54	0	98.55	100.52	87.55	0	286.623	86.2	57	0.1270710
159*	14.67	12.00	10.67	62.67	11	9	8	47	75	29.03	41.07	29.90	0	34.11	48.28	35.14	0	117.530	10.4	87	0.0972894
160	74.17	5.30	3.31	17.22	112	8	5	26	151	50.99	31.23	17.79	0	144.68	88.64	50.49	0	283.807	100	100	1.6308900
161	96.05	1.19	1.19	1.58	243	3	3	4	253	83.25	8.58	8.17	0	1427.10	147.05	140.00	0	1714.155	100	100	3.4294300
162	78.57	3.57	1.79	16.07	44	2	1	9	56	70.02	17.67	12.31	0	129.63	32.75	22.82	0	185.203	100	100	3.0783500
163	53.50	7.00	5.50	34.00	107	14	11	68	200	46.39	27.50	26.11	0	238.41	141.31	134.20	0	513.917	100	100	0.9997230
164	87.04	3.70	0.00	9.26	47	2	0	5	54	79.49	11.13	9.38	0	181.59	25.43	21.44	0	228.462	100	100	3.6540800
165	48.15	14.81	14.81	22.22	13	4	4	6	27	51.49	25.47	23.04	0	22.48	11.17	10.09	0	43.743	97.4	100	1.0890400
166	95.65	2.17	0.00	2.17	44	1	0	1	46	84.00	9.02	6.98	0	194.93	20.96	16.20	0	232.099	100	100	3.4081200
167	77.46	11.27	7.04	4.23	55	8	5	3	71	69.64	16.47	13.88	0	266.02	62.94	53.05	0	382.003	100	100	2.2912500
168	86.73	6.12	3.06	4.08	85	6	3	4	98	74.37	16.55	9.08	0	524.03	116.61	63.97	0	704.605	100	100	3.2915300
169	67.57	6.76	1.35	24.32	50	5	1	18	74	83.85	10.11	6.04	0	59.95	7.25	4.34	0	71.543	100	100	2.0996300
170	44.87	8.97	7.69	38.46	35	7	6	30	78	46.47	42.89	10.64	0	47.16	43.65	10.80	0	101.609	96.8	98	0.9252120
171	23.77	13.93	13.11	49.18	29	17	16	60	122	28.04	54.52	17.44	0	53.39	177.07	33.23	0	263.696	94.7	99	0.4879300
172*	11.86	12.37	11.86	63.92	23	24	23	124	194	37.13	32.95	29.91	0	69.39	61.65	55.88	0	186.920	79.7	72	0.2486030
173*	12.55	12.55	10.12	64.78	31	31	25	160	247	23.47	56.22	20.31	0	74.22	203.24	64.33	0	341.790	50.7	67	0.1496010
174*	9.09	16.16	13.47	61.28	27	48	40	182	297	13.06	76.86	10.08	0	126.55	801.57	97.65	0	1025.763	75.6	68	0.1109700
175	25.10	9.31	3.64	61.94	62	23	9	153	247	14.70	80.54	4.75	0	161.50	1040.88	52.28	0	1254.654	100	100	0.3109590
176	30.00	11.30	10.87	47.83	69	26	25	110	230	39.46	32.01	28.53	0	76.52	62.14	55.36	0	194.025	98.9	100	0.2922960
177	68.33	13.33	6.67	11.67	41	8	4	7	60	85.11	7.94	6.95	0	56.03	5.24	4.62	0	65.890	99.8	100	1.8332100
178	50.00	3.57	3.57	42.86	56	4	4	48	112	57.35	24.22	18.43	0	83.93	35.57	27.04	0	146.537	100	100	0.8952250
179	77.38	2.38	0.00	20.24	65	2	0	17	84	92.70	4.04	3.26	0	186.38	8.16	6.58	0	201.111	100	100	3.2311500
180	27.42	11.29	4.84	56.45	34	14	6	70	124	48.62	33.27	18.11	0	76.15	52.12	28.41	0	156.680	98.4	100	0.2721350
181	16.54	24.26	8.09	51.10	45	66	22	139	272	2.33	96.21	1.46	0	96.57	4150.26	60.46	0	4307.296	94.7	99	0.2308620
182	16.60	21.74	20.16	41.50	42	55	51	105	253	42.68	30.28	27.04	0	90.98	64.59	57.71	0	213.278	91.1	100	0.2248890
183	29.79	17.02	12.06	41.13	42	24	17	58	141	49.50	32.69	17.81	0	85.20	56.28	30.74	0	172.226	97	99	0.2091880
184	24.62	21.15	12.69	41.54	64	55	33	108	260	37.93	41.23	20.84	0	128.98	140.28	70.90	0	340.160	98.3	98	0.2049940
185	72.22	5.56	0.00	22.22	13	1	0	4	18	50.65	35.91	13.45	0	18.08	13.13	4.81	0	36.016	99.4	100	2.3003600
186*	16.00	20.00	4.00	60.00	4	5	1	15	25	17.03	56.07	26.90	0	5.72	19.18	9.06	0	33.967	52.6	93	0.1432510
187*	16.67	23.96	14.58	44.79	16	23	14	43	96	29.90	41.50	28.60	0	39.60	54.93	37.90	0	132.443	37.2	92	0.2247110
188	17.68	20.73	19.51	42.07	29	34	32	69	164	21.08	60.89	18.03	0	106.66	370.68	91.26	0	568.598	96.9	99	0.2343310
189	16.56	21.02	16.56	45.86	26	33	26	72	157	13.10	78.86	8.04	0	100.08	698.53	61.64	0	860.255	95.5	100	0.2904920
190	20.19	14.42	13.46	51.92	21	15	14	54	104	44.28	28.21	27.52	0	72.82	46.44	45.25	0	164.507	93.6	100	0.2758990
191	61.29	2.82	2.42	33.47	152	7	6	83	248	86.47	7.24	6.29	0	365.54	30.65	26.62	0	422.804	100	100	1.8319900
192	51.28	3.30	2.93	42.49	140	9	8	116	273	71.60	14.95	13.45	0	343.96	71.98	64.87	0	480.805	100	100	1.1619400
193	16.15	9.94	5.28	68.63	52	32	17	221	322	54.61	27.82	17.58	0	232.37	119.65	78.77	0	430.793	99.6	100	0.3895020
194	25.50	11.33	9.07	54.11	90	40	32	191	353	84.84	10.59	4.56	0	686.91	78.68	33.90	0	799.494	100	100	0.5394800
195	23.01	11.66	10.43	54.91	75	38	34	179	326	78.44	13.80	7.76	0	669.00	108.72	61.10	0	838.814	97.8	100	0.2043040
196	13.84	11.16	6.25	68.75	31	25	14	154	224	45.05	35.14	19.80	0	88.89	69.39	39.12	0	197.404	98.5	100	0.2473440
197	8.06	11.83	6.45	73.66	15	22	12	137	186	16.89	66.15	16.95	0	72.26	339.19	72.56	0	483.997	94.7	97	0.3609300
198*	8.70	8.21	5.80	77.29	18	17	12	160	207	24.46	61.13	14.41	0	76.39	234.67	45.31	0	356.371	64.6	91	0.2321840
199*	11.71	3.90	3.41	80.98	24	8	7	166	205	21.15	56.53	22.32	0	112.84	345.29	119.79	0	577.912	99.5	94	0.2439960
200*	12.56	11.06	9.05	67.34	25	22	18	134	199	17.61	72.29	10.10	0	53.15	240.11	30.53	0	323.789	83.6	91	0.2106330
201	13.82	8.55	7.89	69.74	21	13	12	106	152	49.21	26.56	24.23	0	44.27	23.93	21.86	0	90.057	85.2	100	0.2240810
202*	9.56	4.41	3.68	82.35	13	6	5	112	136	51.29	38.98	9.73	0	100.98	57.12	13.83	0	171.931	79.1	90	0.1397680
203	12.50	10.71	5.36	71.43	7	6	3	40	56	42.54	41.06	16.39	0	10.48	10.15	4.05	0	24.680	89.2	95	0.3083180
204	51.20	5.74	2.87	40.19	107	12	6	84	209	62.27	18.95	18.78	0	199.81	60.95	60.30	0	321.057	100	100	1.0154200
205	30.12	20.48	12.05	37.35	50	34	20	62	166	75.45	16.29	8.26	0	228.90	43.55	22.09	0	294.541	98.5	100	0.5084700
206	33.33	13.41	11.79	41.46	82	33	29	102	246	37.39	33.02	29.59	0	103.28	91.26	82.02	0	276.558	74.8	95	0.1927280
207	28.85	28.52	18.69	23.93	88	87	57	73	305	43.62	31.37	25.01	0	180.79	130.01	103.65	0	414.453	99	100	0.2816120
208	29.10	30.60	14.18	26.12	39	41	19	35	134	20.23	42.44	37.34	0	59.42	159.21	110.12	0	328.742	86.2	97	0.2105960
209	34.58	21.50	12.15	31.78	37	23	13	34	107	70.13	18.82	11.05	0	104.72	28.11	16.55	0	149.384	92.2	100	0.8747540