	15				11778
	CR1	CR2	MA1	MA2	
CR1	0	214	208	77	
CR2	0.0182	0	49	217	
MA1	0.0177	0.0042	0	214	
MA2	0.0065	0.0184	0.0182	0	
	18				19954
	CR1	CR2	MA1	MA2	
CR1	0	263	275	96	
CR2	0.0132	0	168	302	
MA1	0.0138	0.0084	0	295	
MA2	0.0048	0.0151	0.0148	0	
	20				8051
	CR1	CR2	MA1	MA2	
CR1	0	143	143	96	
CR2	0.0178	0	0	146	
MA1	0.0178	0.0000	0	146	
MA2	0.0119	0.0181	0.0181	0	
	22				7638
	CR1	CR2	MA1	MA2	
CR1	0	146	149	84	
CR2	0.0191	0	41	149	
MA1	0.0195	0.0054	0	150	
MA2	0.0110	0.0195	0.0196	0	
	29				3190
	CR1	CR2	MA1	MA2	
CR1	0	52	27	63	
CR2	0.0163	0	59	45	
MA1	0.0085	0.0185	0	68	
MA2	0.0197	0.0141	0.0213	0	
	31				5807
	CR1	CR2	MA1	MA2	
CR1	0	129	85	69	
CR2	0.0222	0	116	126	
MA1	0.0146	0.0200	0	24	
MA2	0.0119	0.0217	0.0041	0	
	42				11535
	CR1	CR2	MA1	MA2	
CR1	0	238	69	237	
CR2	0.0206	0	223	25	
MA1	0.0060	0.0193	0	222	
MA2	0.0205	0.0022	0.0192	0	

	44				13086
	CR1	CR2	MA1	MA2	
CR1	0	162	221	102	
CR2	0.0124	0	105	192	
MA1	0.0169	0.0080	0	245	
MA2	0.0078	0.0147	0.0187	0	
	48				20424
	CR1	CR2	MA1	MA2	
CR1	0	549	192	537	
CR2	0.0269	0	553	205	
MA1	0.0094	0.0271	0	548	
MA2	0.0263	0.0100	0.0268	0	
	49				12319
	CR1	CR2	MA1	MA2	
CR1	0	281	274	117	
CR2	0.0228	0	65	292	
MA1	0.0222	0.0053	0	285	
MA2	0.0095	0.0237	0.0231	0	
	55				13907
	CR1	CR2	MA1	MA2	
CR1	0	61	212	223	
CR2	0.0044	0	224	185	
MA1	0.0152	0.0161	0	266	
MA2	0.0160	0.0133	0.0191	0	
	59				12720
	CR1	CR2	MA1	MA2	
CR1	0	144	48	152	
CR2	0.0113	0	145	62	
MA1	0.0038	0.0114	0	154	
MA2	0.0119	0.0049	0.0121	0	
	73				9604
	CR1	CR2	MA1	MA2	
CR1	0	141	147	40	
CR2	0.0147	0	55	147	
MA1	0.0153	0.0057	0	154	
MA2	0.0042	0.0153	0.0160	0	
	84				11206
	CR1	CR2	MA1	MA2	
CR1	0	56	130	283	
CR2	0.0050	0	97	299	
MA1	0.0116	0.0087	0	296	
MA2	0.0253	0.0267	0.0264	0	

109					14720
	CR1	CR2	MA1	MA2	
CR1	0	227	288	297	
CR2	0.0154	0	155	390	
MA1	0.0196	0.0105	0	388	
MA2	0.0202	0.0265	0.0264	0	

111					12175
	CR1	CR2	MA1	MA2	
CR1	0	212	165	133	
CR2	0.0174	0	134	203	
MA1	0.0136	0.0110	0	101	
MA2	0.0109	0.0167	0.0083	0	

122					9796
	CR1	CR2	MA1	MA2	
CR1	0	133	91	134	
CR2	0.0136	0	133	13	
MA1	0.0093	0.0136	0	134	
MA2	0.0137	0.0013	0.0137	0	

127					7683
	CR1	CR2	MA1	MA2	
CR1	0	65	75	24	
CR2	0.0085	0	26	69	
MA1	0.0098	0.0034	0	77	
MA2	0.0031	0.0090	0.0100	0	

129					19591
	CR1	CR2	MA1	MA2	
CR1	0	307	311	64	
CR2	0.0157	0	119	318	
MA1	0.0159	0.0061	0	320	
MA2	0.0033	0.0162	0.0163	0	

132					14102
	CR1	CR2	MA1	MA2	
CR1	0	81	246	128	
CR2	0.0057	0	302	126	
MA1	0.0174	0.0214	0	248	
MA2	0.0091	0.0089	0.0176	0	

142					7781
	CR1	CR2	MA1	MA2	
CR1	0	104	36	60	
CR2	0.0134	0	96	84	
MA1	0.0046	0.0123	0	44	
MA2	0.0077	0.0108	0.0057	0	

144					7654
	CR1	CR2	MA1	MA2	
CR1	0	104	65	105	
CR2	0.0136	0	53	6	
MA1	0.0085	0.0069	0	54	
MA2	0.0137	0.0008	0.0071	0	

153					29791
	CR1	CR2	MA1	MA2	
CR1	0	570	568	90	
CR2	0.0191	0	161	567	
MA1	0.0191	0.0054	0	565	
MA2	0.0030	0.0190	0.0190	0	

161					7944
	CR1	CR2	MA1	MA2	
CR1	0	216	109	195	
CR2	0.0272	0	204	55	
MA1	0.0137	0.0257	0	183	
MA2	0.0245	0.0069	0.0230	0	

165					13822
	CR1	CR2	MA1	MA2	
CR1	0	207	61	233	
CR2	0.0150	0	198	102	
MA1	0.0044	0.0143	0	226	
MA2	0.0169	0.0074	0.0164	0	

181					7304
	CR1	CR2	MA1	MA2	
CR1	0	162	133	112	
CR2	0.0222	0	135	172	
MA1	0.0182	0.0185	0	65	
MA2	0.0153	0.0235	0.0089	0	

184					9639
	CR1	CR2	MA1	MA2	
CR1	0	140	142	60	
CR2	0.0145	0	20	154	
MA1	0.0147	0.0021	0	156	
MA2	0.0062	0.0160	0.0162	0	

185					16433
	CR1	CR2	MA1	MA2	
CR1	0	557	552	442	
CR2	0.0339	0	270	521	
MA1	0.0336	0.0164	0	520	
MA2	0.0269	0.0317	0.0316	0	

195					14586
	CR1	CR2	MA1	MA2	
CR1	0	360	333	283	
CR2	0.0247	0	109	172	
MA1	0.0228	0.0075	0	79	
MA2	0.0194	0.0118	0.0054	0	

205					8176
	CR1	CR2	MA1	MA2	
CR1	0	21	156	111	
CR2	0.0026	0	135	114	
MA1	0.0191	0.0165	0	167	
MA2	0.0136	0.0139	0.0204	0	

207					13994
	CR1	CR2	MA1	MA2	
CR1	0	451	271	440	
CR2	0.0322	0	456	91	
MA1	0.0194	0.0326	0	450	
MA2	0.0314	0.0065	0.0322	0	

218					11867
	CR1	CR2	MA1	MA2	
CR1	0	103	196	190	
CR2	0.0087	0	196	225	
MA1	0.0165	0.0165	0	304	
MA2	0.0160	0.0190	0.0256	0	

221					15921
	CR1	CR2	MA1	MA2	
CR1	0	299	301	129	
CR2	0.0188	0	64	280	
MA1	0.0189	0.0040	0	279	
MA2	0.0081	0.0176	0.0175	0	

225					7650
	CR1	CR2	MA1	MA2	
CR1	0	143	139	59	
CR2	0.0187	0	16	152	
MA1	0.0182	0.0021	0	148	
MA2	0.0077	0.0199	0.0193	0	

234					14603
	CR1	CR2	MA1	MA2	
CR1	0	178	132	88	
CR2	0.0122	0	120	180	
MA1	0.0090	0.0082	0	118	
MA2	0.0060	0.0123	0.0081	0	

	240				18071
	CR1	CR2	MA1	MA2	
CR1	0	429	423	204	
CR2	0.0237	0	137	461	
MA1	0.0234	0.0076	0	455	
MA2	0.0113	0.0255	0.0252	0	
	241				18876
	CR1	CR2	MA1	MA2	
CR1	0	510	503	317	
CR2	0.0270	0	164	538	
MA1	0.0266	0.0087	0	526	
MA2	0.0168	0.0285	0.0279	0	
	249				22839
	CR1	CR2	MA1	MA2	
CR1	0	319	328	98	
CR2	0.0140	0	89	317	
MA1	0.0144	0.0039	0	327	
MA2	0.0043	0.0139	0.0143	0	
	251				9582
	CR1	CR2	MA1	MA2	
CR1	0	183	84	184	
CR2	0.0191	0	174	17	
MA1	0.0088	0.0182	0	175	
MA2	0.0192	0.0018	0.0183	0	
	263				13288
	CR1	CR2	MA1	MA2	
CR1	0	226	234	176	
CR2	0.0170	0	182	249	
MA1	0.0176	0.0137	0	112	
MA2	0.0132	0.0187	0.0084	0	
	271				7680
	CR1	CR2	MA1	MA2	
CR1	0	69	88	51	
CR2	0.0090	0	93	59	
MA1	0.0115	0.0121	0	105	
MA2	0.0066	0.0077	0.0137	0	
	274				13200
	CR1	CR2	MA1	MA2	
CR1	0	331	351	122	
CR2	0.0251	0	144	311	
MA1	0.0266	0.0109	0	334	
MA2	0.0092	0.0236	0.0253	0	

	278				10142
	CR1	CR2	MA1	MA2	
CR1	0	240	230	110	
CR2	0.0237	0	59	235	
MA1	0.0227	0.0058	0	227	
MA2	0.0108	0.0232	0.0224	0	

	284				6665
	CR1	CR2	MA1	MA2	
CR1	0	150	166	226	
CR2	0.0225	0	198	132	
MA1	0.0249	0.0297	0	236	
MA2	0.0339	0.0198	0.0354	0	

	287				8507
	CR1	CR2	MA1	MA2	
CR1	0	352	153	328	
CR2	0.0414	0	334	320	
MA1	0.0180	0.0393	0	349	
MA2	0.0386	0.0376	0.0410	0	

	290				9884
	CR1	CR2	MA1	MA2	
CR1	0	203	217	102	
CR2	0.0205	0	44	193	
MA1	0.0220	0.0045	0	207	
MA2	0.0103	0.0195	0.0209	0	

	296				7069
	CR1	CR2	MA1	MA2	
CR1	0	176	65	177	
CR2	0.0249	0	178	11	
MA1	0.0092	0.0252	0	181	
MA2	0.0250	0.0016	0.0256	0	

	298				14124
	CR1	CR2	MA1	MA2	
CR1	0	322	248	232	
CR2	0.0228	0	323	336	
MA1	0.0176	0.0229	0	18	
MA2	0.0164	0.0238	0.0013	0	

	299				10195
	CR1	CR2	MA1	MA2	
CR1	0	125	119	65	
CR2	0.0123	0	24	125	
MA1	0.0117	0.0024	0	121	
MA2	0.0064	0.0123	0.0119	0	

303					9223
	CR1	CR2	MA1	MA2	
CR1	0	185	178	105	
CR2	0.0201	0	72	187	
MA1	0.0193	0.0078	0	185	
MA2	0.0114	0.0203	0.0201	0	

309					7145
	CR1	CR2	MA1	MA2	
CR1	0	145	78	147	
CR2	0.0203	0	135	50	
MA1	0.0109	0.0189	0	139	
MA2	0.0206	0.0070	0.0195	0	

312					8014
	CR1	CR2	MA1	MA2	
CR1	0	271	157	180	
CR2	0.0338	0	282	256	
MA1	0.0196	0.0352	0	48	
MA2	0.0225	0.0319	0.0060	0	

313					9547
	CR1	CR2	MA1	MA2	
CR1	0	255	263	61	
CR2	0.0267	0	131	258	
MA1	0.0275	0.0137	0	266	
MA2	0.0064	0.0270	0.0279	0	

329					9864
	CR1	CR2	MA1	MA2	
CR1	0	184	28	197	
CR2	0.0187	0	186	129	
MA1	0.0028	0.0189	0	199	
MA2	0.0200	0.0131	0.0202	0	

332					8092
	CR1	CR2	MA1	MA2	
CR1	0	172	179	67	
CR2	0.0213	0	74	157	
MA1	0.0221	0.0091	0	164	
MA2	0.0083	0.0194	0.0203	0	

334					13665
	CR1	CR2	MA1	MA2	
CR1	0	214	133	231	
CR2	0.0157	0	228	55	
MA1	0.0097	0.0167	0	241	
MA2	0.0169	0.0040	0.0176	0	

	340				9883
	CR1	CR2	MA1	MA2	
CR1	0	182	183	13	
CR2	0.0184	0	54	177	
MA1	0.0185	0.0055	0	178	
MA2	0.0013	0.0179	0.0180	0	

	341				10840
	CR1	CR2	MA1	MA2	
CR1	0	135	159	79	
CR2	0.0125	0	113	166	
MA1	0.0147	0.0104	0	110	
MA2	0.0073	0.0153	0.0101	0	

	344				9263
	CR1	CR2	MA1	MA2	
CR1	0	193	110	194	
CR2	0.0208	0	193	71	
MA1	0.0119	0.0208	0	195	
MA2	0.0209	0.0077	0.0211	0	

	346				13000
	CR1	CR2	MA1	MA2	
CR1	0	247	100	243	
CR2	0.0190	0	243	90	
MA1	0.0077	0.0187	0	237	
MA2	0.0187	0.0069	0.0182	0	

	349				13085
	CR1	CR2	MA1	MA2	
CR1	0	271	158	270	
CR2	0.0207	0	241	127	
MA1	0.0121	0.0184	0	286	
MA2	0.0206	0.0097	0.0219	0	

	353				11272
	CR1	CR2	MA1	MA2	
CR1	0	152	259	279	
CR2	0.0135	0	375	203	
MA1	0.0230	0.0333	0	375	
MA2	0.0248	0.0180	0.0333	0	

	360				7794
	CR1	CR2	MA1	MA2	
CR1	0	156	62	161	
CR2	0.0200	0	167	70	
MA1	0.0080	0.0214	0	172	
MA2	0.0207	0.0090	0.0221	0	

361					12630
	CR1	CR2	MA1	MA2	
CR1	0	130	194	156	
CR2	0.0103	0	240	102	
MA1	0.0154	0.0190	0	241	
MA2	0.0124	0.0081	0.0191	0	

365					14018
	CR1	CR2	MA1	MA2	
CR1	0	271	237	144	
CR2	0.0193	0	94	231	
MA1	0.0169	0.0067	0	182	
MA2	0.0103	0.0165	0.0130	0	

366					15282
	CR1	CR2	MA1	MA2	
CR1	0	476	221	476	
CR2	0.0311	0	471	44	
MA1	0.0145	0.0308	0	471	
MA2	0.0311	0.0029	0.0308	0	

372					9496
	CR1	CR2	MA1	MA2	
CR1	0	57	163	116	
CR2	0.0060	0	194	63	
MA1	0.0172	0.0204	0	189	
MA2	0.0122	0.0066	0.0199	0	

374					10100
	CR1	CR2	MA1	MA2	
CR1	0	142	107	62	
CR2	0.0141	0	84	114	
MA1	0.0106	0.0083	0	104	
MA2	0.0061	0.0113	0.0103	0	

377					17247
	CR1	CR2	MA1	MA2	
CR1	0	1	353	331	
CR2	0.0001	0	354	332	
MA1	0.0205	0.0205	0	26	
MA2	0.0192	0.0192	0.0015	0	

389					10405
	CR1	CR2	MA1	MA2	
CR1	0	216	228	73	
CR2	0.0208	0	84	227	
MA1	0.0219	0.0081	0	237	
MA2	0.0070	0.0218	0.0228	0	

410					2051
	CR1	CR2	MA1	MA2	
CR1	0	16	6	14	
CR2	0.0078	0	18	2	
MA1	0.0029	0.0088	0	16	
MA2	0.0068	0.0010	0.0078	0	

417					13923
	CR1	CR2	MA1	MA2	
CR1	0	238	67	239	
CR2	0.0171	0	227	56	
MA1	0.0048	0.0163	0	227	
MA2	0.0172	0.0040	0.0163	0	

421					7773
	CR1	CR2	MA1	MA2	
CR1	0	148	91	153	
CR2	0.0190	0	144	15	
MA1	0.0117	0.0185	0	149	
MA2	0.0197	0.0019	0.0192	0	

422					11551
	CR1	CR2	MA1	MA2	
CR1	0	84	145	73	
CR2	0.0073	0	125	141	
MA1	0.0126	0.0108	0	172	
MA2	0.0063	0.0122	0.0149	0	

442					16212
	CR1	CR2	MA1	MA2	
CR1	0	226	114	241	
CR2	0.0139	0	218	70	
MA1	0.0070	0.0134	0	234	
MA2	0.0149	0.0043	0.0144	0	

450					24883
	CR1	CR2	MA1	MA2	
CR1	0	556	295	556	
CR2	0.0223	0	587	141	
MA1	0.0119	0.0236	0	587	
MA2	0.0223	0.0057	0.0236	0	

451					12893
	CR1	CR2	MA1	MA2	
CR1	0	159	154	67	
CR2	0.0123	0	40	161	
MA1	0.0119	0.0031	0	156	
MA2	0.0052	0.0125	0.0121	0	

	471				20260
	CR1	CR2	MA1	MA2	
CR1	0	96	474	426	
CR2	0.0047	0	437	486	
MA1	0.0234	0.0216	0	99	
MA2	0.0210	0.0240	0.0049	0	

	492				11301
	CR1	CR2	MA1	MA2	
CR1	0	301	138	300	
CR2	0.0266	0	279	86	
MA1	0.0122	0.0247	0	283	
MA2	0.0265	0.0076	0.0250	0	

	494				8728
	CR1	CR2	MA1	MA2	
CR1	0	136	45	83	
CR2	0.0156	0	145	97	
MA1	0.0052	0.0166	0	70	
MA2	0.0095	0.0111	0.0080	0	

	500				10350
	CR1	CR2	MA1	MA2	
CR1	0	68	142	158	
CR2	0.0066	0	166	116	
MA1	0.0137	0.0160	0	74	
MA2	0.0153	0.0112	0.0071	0	

	502				10569
	CR1	CR2	MA1	MA2	
CR1	0	166	77	166	
CR2	0.0157	0	180	48	
MA1	0.0073	0.0170	0	182	
MA2	0.0157	0.0045	0.0172	0	

	506				8597
	CR1	CR2	MA1	MA2	
CR1	0	167	148	48	
CR2	0.0194	0	103	168	
MA1	0.0172	0.0120	0	155	
MA2	0.0056	0.0195	0.0180	0	

	511				14480
	CR1	CR2	MA1	MA2	
CR1	0	317	114	306	
CR2	0.0219	0	314	180	
MA1	0.0079	0.0217	0	306	
MA2	0.0211	0.0124	0.0211	0	

515					17506
	CR1	CR2	MA1	MA2	
CR1	0	82	251	441	
CR2	0.0047	0	181	485	
MA1	0.0143	0.0103	0	499	
MA2	0.0252	0.0277	0.0285	0	
521					10935
	CR1	CR2	MA1	MA2	
CR1	0	133	118	41	
CR2	0.0122	0	50	140	
MA1	0.0108	0.0046	0	125	
MA2	0.0037	0.0128	0.0114	0	
527					17079
	CR1	CR2	MA1	MA2	
CR1	0	369	338	187	
CR2	0.0216	0	119	370	
MA1	0.0198	0.0070	0	339	
MA2	0.0109	0.0217	0.0198	0	
539					14831
	CR1	CR2	MA1	MA2	
CR1	0	59	140	137	
CR2	0.0040	0	164	106	
MA1	0.0094	0.0111	0	74	
MA2	0.0092	0.0071	0.0050	0	
562					12038
	CR1	CR2	MA1	MA2	
CR1	0	213	64	216	
CR2	0.0177	0	211	68	
MA1	0.0053	0.0175	0	214	
MA2	0.0179	0.0056	0.0178	0	
563					5430
	CR1	CR2	MA1	MA2	
CR1	0	144	219	219	
CR2	0.0265	0	179	179	
MA1	0.0403	0.0330	0	0	
MA2	0.0403	0.0330	0.0000	0	
566					7948
	CR1	CR2	MA1	MA2	
CR1	0	204	199	117	
CR2	0.0257	0	63	196	
MA1	0.0250	0.0079	0	191	
MA2	0.0147	0.0247	0.0240	0	

	573				17006
	CR1	CR2	MA1	MA2	
CR1	0	216	119	218	
CR2	0.0127	0	233	81	
MA1	0.0070	0.0137	0	238	
MA2	0.0128	0.0048	0.0140	0	

	590				8906
	CR1	CR2	MA1	MA2	
CR1	0	145	94	158	
CR2	0.0163	0	150	48	
MA1	0.0106	0.0168	0	155	
MA2	0.0177	0.0054	0.0174	0	

	594				10321
	CR1	CR2	MA1	MA2	
CR1	0	303	312	99	
CR2	0.0294	0	174	318	
MA1	0.0302	0.0169	0	329	
MA2	0.0096	0.0308	0.0319	0	

	604				13188
	CR1	CR2	MA1	MA2	
CR1	0	392	408	173	
CR2	0.0297	0	254	392	
MA1	0.0309	0.0193	0	409	
MA2	0.0131	0.0297	0.0310	0	

	617				7367
	CR1	CR2	MA1	MA2	
CR1	0	204	104	209	
CR2	0.0277	0	217	36	
MA1	0.0141	0.0295	0	224	
MA2	0.0284	0.0049	0.0304	0	

	620				9255
	CR1	CR2	MA1	MA2	
CR1	0	127	119	21	
CR2	0.0137	0	83	125	
MA1	0.0129	0.0090	0	116	
MA2	0.0023	0.0135	0.0125	0	

	622				11142
	CR1	CR2	MA1	MA2	
CR1	0	133	107	114	
CR2	0.0119	0	94	115	
MA1	0.0096	0.0084	0	80	
MA2	0.0102	0.0103	0.0072	0	

636					13351
	CR1	CR2	MA1	MA2	
CR1	0	360	224	294	
CR2	0.0270	0	326	207	
MA1	0.0168	0.0244	0	180	
MA2	0.0220	0.0155	0.0135	0	

637					10975
	CR1	CR2	MA1	MA2	
CR1	0	199	217	102	
CR2	0.0181	0	103	190	
MA1	0.0198	0.0094	0	196	
MA2	0.0093	0.0173	0.0179	0	

643					14941
	CR1	CR2	MA1	MA2	
CR1	0	289	72	279	
CR2	0.0193	0	282	162	
MA1	0.0048	0.0189	0	270	
MA2	0.0187	0.0108	0.0181	0	

647					11881
	CR1	CR2	MA1	MA2	
CR1	0	308	155	291	
CR2	0.0259	0	304	205	
MA1	0.0130	0.0256	0	268	
MA2	0.0245	0.0173	0.0226	0	

653					8670
	CR1	CR2	MA1	MA2	
CR1	0	179	113	120	
CR2	0.0206	0	190	144	
MA1	0.0130	0.0219	0	63	
MA2	0.0138	0.0166	0.0073	0	

656					13356
	CR1	CR2	MA1	MA2	
CR1	0	236	271	393	
CR2	0.0177	0	340	293	
MA1	0.0203	0.0255	0	435	
MA2	0.0294	0.0219	0.0326	0	

660					7420
	CR1	CR2	MA1	MA2	
CR1	0	118	96	122	
CR2	0.0159	0	137	44	
MA1	0.0129	0.0185	0	140	
MA2	0.0164	0.0059	0.0189	0	

664					11284
	CR1	CR2	MA1	MA2	
CR1	0	211	217	124	
CR2	0.0187	0	76	202	
MA1	0.0192	0.0067	0	210	
MA2	0.0110	0.0179	0.0186	0	

665					20031
	CR1	CR2	MA1	MA2	
CR1	0	289	43	294	
CR2	0.0144	0	276	128	
MA1	0.0021	0.0138	0	284	
MA2	0.0147	0.0064	0.0142	0	

666					8051
	CR1	CR2	MA1	MA2	
CR1	0	184	174	114	
CR2	0.0229	0	63	171	
MA1	0.0216	0.0078	0	150	
MA2	0.0142	0.0212	0.0186	0	

675					11012
	CR1	CR2	MA1	MA2	
CR1	0	191	180	48	
CR2	0.0173	0	54	202	
MA1	0.0163	0.0049	0	191	
MA2	0.0044	0.0183	0.0173	0	

680					10411
	CR1	CR2	MA1	MA2	
CR1	0	275	291	131	
CR2	0.0264	0	101	281	
MA1	0.0280	0.0097	0	293	
MA2	0.0126	0.0270	0.0281	0	

683					7837
	CR1	CR2	MA1	MA2	
CR1	0	116	91	29	
CR2	0.0148	0	53	111	
MA1	0.0116	0.0068	0	80	
MA2	0.0037	0.0142	0.0102	0	

	5				18450
	MA1	MA2	MM1	MM2	
MA1	0	526	525	538	
MA2	0.0285	0	201	297	
MM1	0.0285	0.0109	0	286	
MM2	0.0292	0.0161	0.0155	0	
	12				16923
	MA1	MA2	MM1	MM2	
MA1	0	87	88	87	
MA2	0.0051	0	1	0	
MM1	0.0052	0.0001	0	1	
MM2	0.0051	0.0000	0.0001	0	
	15				12230
	MA1	MA2	MM1	MM2	
MA1	0	192	0	80	
MA2	0.0157	0	192	191	
MM1	0.0000	0.0157	0	80	
MM2	0.0065	0.0156	0.0065	0	
	20				6921
	MA1	MA2	MM1	MM2	
MA1	0	59	62	59	
MA2	0.0085	0	24	0	
MM1	0.0090	0.0035	0	24	
MM2	0.0085	0.0000	0.0035	0	
	22				10243
	MA1	MA2	MM1	MM2	
MA1	0	193	193	235	
MA2	0.0188	0	0	117	
MM1	0.0188	0.0000	0	117	
MM2	0.0229	0.0114	0.0114	0	
	24				11530
	MA1	MA2	MM1	MM2	
MA1	0	188	7	7	
MA2	0.0163	0	187	187	
MM1	0.0006	0.0162	0	0	
MM2	0.0006	0.0162	0.0000	0	
	26				9747
	MA1	MA2	MM1	MM2	
MA1	0	96	232	153	
MA2	0.0098	0	286	249	
MM1	0.0238	0.0293	0	177	
MM2	0.0157	0.0255	0.0182	0	

	27				16186
	MA1	MA2	MM1	MM2	
MA1	0	0	384	384	
MA2	0.0000	0	384	384	
MM1	0.0237	0.0237	0	0	
MM2	0.0237	0.0237	0.0000	0	
	31				15749
	MA1	MA2	MM1	MM2	
MA1	0	295	295	311	
MA2	0.0187	0	0	118	
MM1	0.0187	0.0000	0	118	
MM2	0.0197	0.0075	0.0075	0	
	32				8159
	MA1	MA2	MM1	MM2	
MA1	0	115	57	0	
MA2	0.0141	0	103	115	
MM1	0.0070	0.0126	0	57	
MM2	0.0000	0.0141	0.0070	0	
	33				12165
	MA1	MA2	MM1	MM2	
MA1	0	222	233	245	
MA2	0.0182	0	112	102	
MM1	0.0192	0.0092	0	128	
MM2	0.0201	0.0084	0.0105	0	
	49				10570
	MA1	MA2	MM1	MM2	
MA1	0	198	79	7	
MA2	0.0187	0	208	199	
MM1	0.0075	0.0197	0	72	
MM2	0.0007	0.0188	0.0068	0	
	50				10128
	MA1	MA2	MM1	MM2	
MA1	0	228	234	228	
MA2	0.0225	0	113	0	
MM1	0.0231	0.0112	0	113	
MM2	0.0225	0.0000	0.0112	0	
	59				9328
	MA1	MA2	MM1	MM2	
MA1	0	90	211	9	
MA2	0.0096	0	250	85	
MM1	0.0226	0.0268	0	210	
MM2	0.0010	0.0091	0.0225	0	

	61				17874
	MA1	MA2	MM1	MM2	
MA1	0	371	371	373	
MA2	0.0208	0	120	153	
MM1	0.0208	0.0067	0	150	
MM2	0.0209	0.0086	0.0084	0	
	65				20700
	MA1	MA2	MM1	MM2	
MA1	0	440	236	229	
MA2	0.0213	0	442	437	
MM1	0.0114	0.0214	0	27	
MM2	0.0111	0.0211	0.0013	0	
	67				13724
	MA1	MA2	MM1	MM2	
MA1	0	162	154	163	
MA2	0.0118	0	60	62	
MM1	0.0112	0.0044	0	62	
MM2	0.0119	0.0045	0.0045	0	
	71				4589
	MA1	MA2	MM1	MM2	
MA1	0	6	6	6	
MA2	0.0013	0	0	0	
MM1	0.0013	0.0000	0	0	
MM2	0.0013	0.0000	0.0000	0	
	72				10511
	MA1	MA2	MM1	MM2	
MA1	0	209	209	198	
MA2	0.0199	0	0	129	
MM1	0.0199	0.0000	0	129	
MM2	0.0188	0.0123	0.0123	0	
	73				14785
	MA1	MA2	MM1	MM2	
MA1	0	175	97	0	
MA2	0.0118	0	177	175	
MM1	0.0066	0.0120	0	97	
MM2	0.0000	0.0118	0.0066	0	
	83				11604
	MA1	MA2	MM1	MM2	
MA1	0	279	271	279	
MA2	0.0240	0	93	0	
MM1	0.0234	0.0080	0	93	
MM2	0.0240	0.0000	0.0080	0	

87					17781
	MA1	MA2	MM1	MM2	
MA1	0	431	418	431	
MA2	0.0242	0	111	0	
MM1	0.0235	0.0062	0	111	
MM2	0.0242	0.0000	0.0062	0	
92					11201
	MA1	MA2	MM1	MM2	
MA1	0	191	193	191	
MA2	0.0171	0	68	0	
MM1	0.0172	0.0061	0	68	
MM2	0.0171	0.0000	0.0061	0	
95					8930
	MA1	MA2	MM1	MM2	
MA1	0	122	165	122	
MA2	0.0137	0	87	0	
MM1	0.0185	0.0097	0	87	
MM2	0.0137	0.0000	0.0097	0	
101					12248
	MA1	MA2	MM1	MM2	
MA1	0	281	0	209	
MA2	0.0229	0	281	290	
MM1	0.0000	0.0229	0	209	
MM2	0.0171	0.0237	0.0171	0	
102					9338
	MA1	MA2	MM1	MM2	
MA1	0	127	139	127	
MA2	0.0136	0	51	0	
MM1	0.0149	0.0055	0	51	
MM2	0.0136	0.0000	0.0055	0	
107					9663
	MA1	MA2	MM1	MM2	
MA1	0	236	118	122	
MA2	0.0244	0	236	253	
MM1	0.0122	0.0244	0	116	
MM2	0.0126	0.0262	0.0120	0	
108					12313
	MA1	MA2	MM1	MM2	
MA1	0	352	362	349	
MA2	0.0286	0	232	216	
MM1	0.0294	0.0188	0	227	
MM2	0.0283	0.0175	0.0184	0	

110					7340
	MA1	MA2	MM1	MM2	
MA1	0	111	0	52	
MA2	0.0151	0	111	120	
MM1	0.0000	0.0151	0	52	
MM2	0.0071	0.0163	0.0071	0	

112					8278
	MA1	MA2	MM1	MM2	
MA1	0	177	0	50	
MA2	0.0214	0	177	181	
MM1	0.0000	0.0214	0	50	
MM2	0.0060	0.0219	0.0060	0	

121					2149
	MA1	MA2	MM1	MM2	
MA1	0	23	13	12	
MA2	0.0107	0	16	17	
MM1	0.0060	0.0074	0	3	
MM2	0.0056	0.0079	0.0014	0	

125					9061
	MA1	MA2	MM1	MM2	
MA1	0	219	219	217	
MA2	0.0242	0	0	93	
MM1	0.0242	0.0000	0	93	
MM2	0.0239	0.0103	0.0103	0	

127					11815
	MA1	MA2	MM1	MM2	
MA1	0	250	127	95	
MA2	0.0212	0	238	228	
MM1	0.0107	0.0201	0	114	
MM2	0.0080	0.0193	0.0096	0	

131					12171
	MA1	MA2	MM1	MM2	
MA1	0	0	35	99	
MA2	0.0000	0	35	99	
MM1	0.0029	0.0029	0	132	
MM2	0.0081	0.0081	0.0108	0	

133					8383
	MA1	MA2	MM1	MM2	
MA1	0	66	60	103	
MA2	0.0079	0	6	76	
MM1	0.0072	0.0007	0	70	
MM2	0.0123	0.0091	0.0084	0	

141					6949
	MA1	MA2	MM1	MM2	
MA1	0	145	145	145	
MA2	0.0209	0	0	73	
MM1	0.0209	0.0000	0	73	
MM2	0.0209	0.0105	0.0105	0	

146					21096
	MA1	MA2	MM1	MM2	
MA1	0	514	508	514	
MA2	0.0244	0	358	0	
MM1	0.0241	0.0170	0	358	
MM2	0.0244	0.0000	0.0170	0	

147					8173
	MA1	MA2	MM1	MM2	
MA1	0	0	109	126	
MA2	0.0000	0	109	126	
MM1	0.0133	0.0133	0	60	
MM2	0.0154	0.0154	0.0073	0	

149					15239
	MA1	MA2	MM1	MM2	
MA1	0	346	0	174	
MA2	0.0227	0	346	352	
MM1	0.0000	0.0227	0	174	
MM2	0.0114	0.0231	0.0114	0	

150					3171
	MA1	MA2	MM1	MM2	
MA1	0	77	70	77	
MA2	0.0243	0	36	0	
MM1	0.0221	0.0114	0	36	
MM2	0.0243	0.0000	0.0114	0	

153					7908
	MA1	MA2	MM1	MM2	
MA1	0	149	151	146	
MA2	0.0188	0	2	63	
MM1	0.0191	0.0003	0	61	
MM2	0.0185	0.0080	0.0077	0	

158					17511
	MA1	MA2	MM1	MM2	
MA1	0	529	529	510	
MA2	0.0302	0	0	260	
MM1	0.0302	0.0000	0	260	
MM2	0.0291	0.0148	0.0148	0	

165					6918
	MA1	MA2	MM1	MM2	
MA1	0	147	147	153	
MA2	0.0212	0	0	62	
MM1	0.0212	0.0000	0	62	
MM2	0.0221	0.0090	0.0090	0	

167					11542
	MA1	MA2	MM1	MM2	
MA1	0	220	233	220	
MA2	0.0191	0	130	0	
MM1	0.0202	0.0113	0	130	
MM2	0.0191	0.0000	0.0113	0	

173					9180
	MA1	MA2	MM1	MM2	
MA1	0	191	191	191	
MA2	0.0208	0	68	0	
MM1	0.0208	0.0074	0	68	
MM2	0.0208	0.0000	0.0074	0	

176					10626
	MA1	MA2	MM1	MM2	
MA1	0	252	231	274	
MA2	0.0237	0	168	102	
MM1	0.0217	0.0158	0	141	
MM2	0.0258	0.0096	0.0133	0	

178					7766
	MA1	MA2	MM1	MM2	
MA1	0	74	128	164	
MA2	0.0095	0	202	202	
MM1	0.0165	0.0260	0	78	
MM2	0.0211	0.0260	0.0100	0	

179					13073
	MA1	MA2	MM1	MM2	
MA1	0	261	155	0	
MA2	0.0200	0	275	261	
MM1	0.0119	0.0210	0	155	
MM2	0.0000	0.0200	0.0119	0	

181					13000
	MA1	MA2	MM1	MM2	
MA1	0	225	140	0	
MA2	0.0173	0	223	225	
MM1	0.0108	0.0172	0	140	
MM2	0.0000	0.0173	0.0108	0	

183					13698
	MA1	MA2	MM1	MM2	
MA1	0	15	168	15	
MA2	0.0011	0	155	0	
MM1	0.0123	0.0113	0	155	
MM2	0.0011	0.0000	0.0113	0	

184					14196
	MA1	MA2	MM1	MM2	
MA1	0	296	296	293	
MA2	0.0209	0	0	168	
MM1	0.0209	0.0000	0	168	
MM2	0.0206	0.0118	0.0118	0	

189					12182
	MA1	MA2	MM1	MM2	
MA1	0	229	220	229	
MA2	0.0188	0	142	0	
MM1	0.0181	0.0117	0	142	
MM2	0.0188	0.0000	0.0117	0	

191					10068
	MA1	MA2	MM1	MM2	
MA1	0	243	108	115	
MA2	0.0241	0	235	246	
MM1	0.0107	0.0233	0	130	
MM2	0.0114	0.0244	0.0129	0	

196					7081
	MA1	MA2	MM1	MM2	
MA1	0	167	195	179	
MA2	0.0236	0	92	97	
MM1	0.0275	0.0130	0	106	
MM2	0.0253	0.0137	0.0150	0	

198					15581
	MA1	MA2	MM1	MM2	
MA1	0	403	411	403	
MA2	0.0259	0	270	0	
MM1	0.0264	0.0173	0	270	
MM2	0.0259	0.0000	0.0173	0	

199					7382
	MA1	MA2	MM1	MM2	
MA1	0	117	0	51	
MA2	0.0158	0	117	121	
MM1	0.0000	0.0158	0	51	
MM2	0.0069	0.0164	0.0069	0	

203					21330
	MA1	MA2	MM1	MM2	
MA1	0	445	244	241	
MA2	0.0209	0	471	461	
MM1	0.0114	0.0221	0	235	
MM2	0.0113	0.0216	0.0110	0	
206					11994
	MA1	MA2	MM1	MM2	
MA1	0	265	265	265	
MA2	0.0221	0	0	144	
MM1	0.0221	0.0000	0	144	
MM2	0.0221	0.0120	0.0120	0	
212					13556
	MA1	MA2	MM1	MM2	
MA1	0	196	200	196	
MA2	0.0145	0	78	0	
MM1	0.0148	0.0058	0	78	
MM2	0.0145	0.0000	0.0058	0	
213					10560
	MA1	MA2	MM1	MM2	
MA1	0	184	95	0	
MA2	0.0174	0	183	184	
MM1	0.0090	0.0173	0	95	
215					26343
	MA1	MA2	MM1	MM2	
MA1	0	598	364	351	
MA2	0.0227	0	588	625	
MM1	0.0138	0.0223	0	340	
MM2	0.0133	0.0237	0.0129	0	
218					9450
	MA1	MA2	MM1	MM2	
MA1	0	291	198	194	
MA2	0.0308	0	323	327	
MM1	0.0210	0.0342	0	56	
MM2	0.0205	0.0346	0.0059	0	
219					14751
	MA1	MA2	MM1	MM2	
MA1	0	0	734	734	
MA2	0.0000	0	734	734	
MM1	0.0498	0.0498	0	0	
MM2	0.0498	0.0498	0.0000	0	
223					13504

	MA1	MA2	MM1	MM2	
MA1	0	277	109	128	
MA2	0.0205	0	283	283	
MM1	0.0081	0.0210	0	121	
MM2	0.0095	0.0210	0.0090	0	
225					10566

	MA1	MA2	MM1	MM2	
MA1	0	231	225	225	
MA2	0.0219	0	42	83	
MM1	0.0213	0.0040	0	81	
MM2	0.0213	0.0079	0.0077	0	
226					12080

	MA1	MA2	MM1	MM2	
MA1	0	0	117	259	
MA2	0.0000	0	117	259	
MM1	0.0097	0.0097	0	142	
MM2	0.0214	0.0214	0.0118	0	
227					8565

	MA1	MA2	MM1	MM2	
MA1	0	43	148	176	
MA2	0.0050	0	171	201	
MM1	0.0173	0.0200	0	148	
MM2	0.0205	0.0235	0.0173	0	
228					12250

	MA1	MA2	MM1	MM2	
MA1	0	340	346	331	
MA2	0.0278	0	98	143	
MM1	0.0282	0.0080	0	157	
MM2	0.0270	0.0117	0.0128	0	
237					15897

	MA1	MA2	MM1	MM2	
MA1	0	369	271	0	
MA2	0.0232	0	337	369	
MM1	0.0170	0.0212	0	271	
MM2	0.0000	0.0232	0.0170	0	
238					8873

	MA1	MA2	MM1	MM2	
MA1	0	210	0	112	
MA2	0.0237	0	210	215	
MM1	0.0000	0.0237	0	112	
MM2	0.0126	0.0242	0.0126	0	
240					12228

	MA1	MA2	MM1	MM2	
MA1	0	271	130	0	
MA2	0.0222	0	275	271	
MM1	0.0106	0.0225	0	130	
MM2	0.0000	0.0222	0.0106	0	
248					8518

	MA1	MA2	MM1	MM2	
MA1	0	189	200	212	
MA2	0.0222	0	99	110	
MM1	0.0235	0.0116	0	76	
MM2	0.0249	0.0129	0.0089	0	
251					15270

	MA1	MA2	MM1	MM2	
MA1	0	453	453	451	
MA2	0.0297	0	0	268	
MM1	0.0297	0.0000	0	268	
MM2	0.0295	0.0176	0.0176	0	
256					10867

	MA1	MA2	MM1	MM2	
MA1	0	188	183	188	
MA2	0.0173	0	64	0	
MM1	0.0168	0.0059	0	64	
MM2	0.0173	0.0000	0.0059	0	
261					9635

	MA1	MA2	MM1	MM2	
MA1	0	226	218	226	
MA2	0.0235	0	92	0	
MM1	0.0226	0.0095	0	92	
MM2	0.0235	0.0000	0.0095	0	
264					5077

	MA1	MA2	MM1	MM2	
MA1	0	220	237	233	
MA2	0.0433	0	167	140	
MM1	0.0467	0.0329	0	27	
MM2	0.0459	0.0276	0.0053	0	
267					12084

	MA1	MA2	MM1	MM2	
MA1	0	114	109	95	
MA2	0.0094	0	121	123	
MM1	0.0090	0.0100	0	67	
MM2	0.0079	0.0102	0.0055	0	
272					8749

	MA1	MA2	MM1	MM2	
MA1	0	164	169	164	
MA2	0.0187	0	75	0	
MM1	0.0193	0.0086	0	75	
MM2	0.0187	0.0000	0.0086	0	
277					14114

	MA1	MA2	MM1	MM2	
MA1	0	222	228	221	
MA2	0.0157	0	63	109	
MM1	0.0162	0.0045	0	127	
MM2	0.0157	0.0077	0.0090	0	
280					6919

	MA1	MA2	MM1	MM2	
MA1	0	91	104	97	
MA2	0.0132	0	56	33	
MM1	0.0150	0.0081	0	58	
MM2	0.0140	0.0048	0.0084	0	
282					7450

	MA1	MA2	MM1	MM2	
MA1	0	176	122	104	
MA2	0.0236	0	196	161	
MM1	0.0164	0.0263	0	107	
MM2	0.0140	0.0216	0.0144	0	
291					18560

	MA1	MA2	MM1	MM2	
MA1	0	367	386	371	
MA2	0.0198	0	171	193	
MM1	0.0208	0.0092	0	149	
MM2	0.0200	0.0104	0.0080	0	
293					11376

	MA1	MA2	MM1	MM2	
MA1	0	223	223	217	
MA2	0.0196	0	0	147	
MM1	0.0196	0.0000	0	147	
MM2	0.0191	0.0129	0.0129	0	
295					27334

	MA1	MA2	MM1	MM2	
MA1	0	303	0	282	
MA2	0.0111	0	303	442	
MM1	0.0000	0.0111	0	282	
MM2	0.0103	0.0162	0.0103	0	
297					8864

	MA1	MA2	MM1	MM2	
MA1	0	254	180	0	
MA2	0.0287	0	256	254	
MM1	0.0203	0.0289	0	180	
MM2	0.0000	0.0287	0.0203	0	
299					16716

	MA1	MA2	MM1	MM2	
MA1	0	348	333	344	
MA2	0.0208	0	202	205	
MM1	0.0199	0.0121	0	188	
MM2	0.0206	0.0123	0.0112	0	
301					9426

	MA1	MA2	MM1	MM2	
MA1	0	183	190	192	
MA2	0.0194	0	93	104	
MM1	0.0202	0.0099	0	79	
MM2	0.0204	0.0110	0.0084	0	
304					27288

	MA1	MA2	MM1	MM2	
MA1	0	603	617	603	
MA2	0.0221	0	302	0	
MM1	0.0226	0.0111	0	302	
MM2	0.0221	0.0000	0.0111	0	
305					18319

	MA1	MA2	MM1	MM2	
MA1	0	502	514	500	
MA2	0.0274	0	240	218	
MM1	0.0281	0.0131	0	171	
MM2	0.0273	0.0119	0.0093	0	
313					10254

	MA1	MA2	MM1	MM2	
MA1	0	253	0	99	
MA2	0.0247	0	253	265	
MM1	0.0000	0.0247	0	99	
MM2	0.0097	0.0258	0.0097	0	
314					9821

	MA1	MA2	MM1	MM2	
MA1	0	168	0	115	
MA2	0.0171	0	168	153	
MM1	0.0000	0.0171	0	115	
MM2	0.0117	0.0156	0.0117	0	
315					10166

	MA1	MA2	MM1	MM2	
MA1	0	108	45	65	
MA2	0.0106	0	113	101	
MM1	0.0044	0.0111	0	68	
MM2	0.0064	0.0099	0.0067	0	
318					11241

	MA1	MA2	MM1	MM2	
MA1	0	204	207	204	
MA2	0.0181	0	88	0	
MM1	0.0184	0.0078	0	88	
MM2	0.0181	0.0000	0.0078	0	
322					8176

	MA1	MA2	MM1	MM2	
MA1	0	112	108	118	
MA2	0.0137	0	37	40	
MM1	0.0132	0.0045	0	43	
MM2	0.0144	0.0049	0.0053	0	
324					18535

	MA1	MA2	MM1	MM2	
MA1	0	555	355	285	
MA2	0.0299	0	578	555	
MM1	0.0192	0.0312	0	333	
MM2	0.0154	0.0299	0.0180	0	
325					12373

	MA1	MA2	MM1	MM2	
MA1	0	305	0	92	
MA2	0.0247	0	305	310	
MM1	0.0000	0.0247	0	92	
MM2	0.0074	0.0251	0.0074	0	
331					10557

	MA1	MA2	MM1	MM2	
MA1	0	217	69	0	
MA2	0.0206	0	222	217	
MM1	0.0065	0.0210	0	69	
MM2	0.0000	0.0206	0.0065	0	
333					14395

	MA1	MA2	MM1	MM2	
MA1	0	339	340	337	
MA2	0.0235	0	3	124	
MM1	0.0236	0.0002	0	121	
MM2	0.0234	0.0086	0.0084	0	
334					15613

	MA1	MA2	MM1	MM2	
MA1	0	479	479	466	
MA2	0.0307	0	0	155	
MM1	0.0307	0.0000	0	155	
MM2	0.0298	0.0099	0.0099	0	
341					11160

	MA1	MA2	MM1	MM2	
MA1	0	261	252	264	
MA2	0.0234	0	97	142	
MM1	0.0226	0.0087	0	149	
MM2	0.0237	0.0127	0.0134	0	
343					15745

	MA1	MA2	MM1	MM2	
MA1	0	280	0	100	
MA2	0.0178	0	280	305	
MM1	0.0000	0.0178	0	100	
MM2	0.0064	0.0194	0.0064	0	
352					9213

	MA1	MA2	MM1	MM2	
MA1	0	0	288	220	
MA2	0.0000	0	288	220	
MM1	0.0313	0.0313	0	189	
MM2	0.0239	0.0239	0.0205	0	
353					10113

	MA1	MA2	MM1	MM2	
MA1	0	196	196	203	
MA2	0.0194	0	97	113	
MM1	0.0194	0.0096	0	102	
MM2	0.0201	0.0112	0.0101	0	
356					11976

	MA1	MA2	MM1	MM2	
MA1	0	229	230	245	
MA2	0.0191	0	79	123	
MM1	0.0192	0.0066	0	90	
MM2	0.0205	0.0103	0.0075	0	
357					9415

	MA1	MA2	MM1	MM2	
MA1	0	214	120	120	
MA2	0.0227	0	216	217	
MM1	0.0127	0.0229	0	99	
MM2	0.0127	0.0230	0.0105	0	
363					9876

	MA1	MA2	MM1	MM2	
MA1	0	0	208	180	
MA2	0.0000	0	208	180	
MM1	0.0211	0.0211	0	126	
MM2	0.0182	0.0182	0.0128	0	
365					10627

	MA1	MA2	MM1	MM2	
MA1	0	281	113	0	
MA2	0.0264	0	269	281	
MM1	0.0106	0.0253	0	113	
MM2	0.0000	0.0264	0.0106	0	
367					11533

	MA1	MA2	MM1	MM2	
MA1	0	171	85	62	
MA2	0.0148	0	197	172	
MM1	0.0074	0.0171	0	92	
MM2	0.0054	0.0149	0.0080	0	
368					14466

	MA1	MA2	MM1	MM2	
MA1	0	318	130	0	
MA2	0.0220	0	323	318	
MM1	0.0090	0.0223	0	130	
MM2	0.0000	0.0220	0.0090	0	
372					11051

	MA1	MA2	MM1	MM2	
MA1	0	0	129	0	
MA2	0.0000	0	129	0	
MM1	0.0117	0.0117	0	129	
MM2	0.0000	0.0000	0.0117	0	
373					7207

	MA1	MA2	MM1	MM2	
MA1	0	192	67	115	
MA2	0.0266	0	186	201	
MM1	0.0093	0.0258	0	118	
MM2	0.0160	0.0279	0.0164	0	
374					14227

	MA1	MA2	MM1	MM2	
MA1	0	343	167	146	
MA2	0.0241	0	344	322	
MM1	0.0117	0.0242	0	182	
MM2	0.0103	0.0226	0.0128	0	
379					8037

	MA1	MA2	MM1	MM2	
MA1	0	393	387	393	
MA2	0.0489	0	110	0	
MM1	0.0482	0.0137	0	110	
MM2	0.0489	0.0000	0.0137	0	
382					14446

	MA1	MA2	MM1	MM2	
MA1	0	334	280	334	
MA2	0.0231	0	196	0	
MM1	0.0194	0.0136	0	196	
MM2	0.0231	0.0000	0.0136	0	
383					9559

	MA1	MA2	MM1	MM2	
MA1	0	249	95	0	
MA2	0.0260	0	249	249	
MM1	0.0099	0.0260	0	95	
MM2	0.0000	0.0260	0.0099	0	
386					14656

	MA1	MA2	MM1	MM2	
MA1	0	143	166	143	
MA2	0.0098	0	67	0	
MM1	0.0113	0.0046	0	67	
MM2	0.0098	0.0000	0.0046	0	
388					9821

	MA1	MA2	MM1	MM2	
MA1	0	108	8	8	
MA2	0.0110	0	116	116	
MM1	0.0008	0.0118	0	0	
MM2	0.0008	0.0118	0.0000	0	
389					13805

	MA1	MA2	MM1	MM2	
MA1	0	288	288	269	
MA2	0.0209	0	0	110	
MM1	0.0209	0.0000	0	110	
MM2	0.0195	0.0080	0.0080	0	
392					7787

	MA1	MA2	MM1	MM2	
MA1	0	197	218	195	
MA2	0.0253	0	137	91	
MM1	0.0280	0.0176	0	123	
MM2	0.0250	0.0117	0.0158	0	
393					19247

	MA1	MA2	MM1	MM2	
MA1	0	371	4	186	
MA2	0.0193	0	373	404	
MM1	0.0002	0.0194	0	190	
MM2	0.0097	0.0210	0.0099	0	
396					11067

	MA1	MA2	MM1	MM2	
MA1	0	3	259	241	
MA2	0.0003	0	260	242	
MM1	0.0234	0.0235	0	116	
MM2	0.0218	0.0219	0.0105	0	
398					10345

	MA1	MA2	MM1	MM2	
MA1	0	197	127	123	
MA2	0.0190	0	218	205	
MM1	0.0123	0.0211	0	143	
MM2	0.0119	0.0198	0.0138	0	
404					18959

	MA1	MA2	MM1	MM2	
MA1	0	327	150	0	
MA2	0.0172	0	335	327	
MM1	0.0079	0.0177	0	150	
MM2	0.0000	0.0172	0.0079	0	
408					7635

	MA1	MA2	MM1	MM2	
MA1	0	349	303	303	
MA2	0.0457	0	229	200	
MM1	0.0397	0.0300	0	29	
MM2	0.0397	0.0262	0.0038	0	
413					10286

	MA1	MA2	MM1	MM2	
MA1	0	105	113	105	
MA2	0.0102	0	76	0	
MM1	0.0110	0.0074	0	76	
MM2	0.0102	0.0000	0.0074	0	
416					6241

	MA1	MA2	MM1	MM2	
MA1	0	155	158	138	
MA2	0.0248	0	77	71	
MM1	0.0253	0.0123	0	95	
MM2	0.0221	0.0114	0.0152	0	
420					7937

	MA1	MA2	MM1	MM2	
MA1	0	137	94	0	
MA2	0.0173	0	147	137	
MM1	0.0118	0.0185	0	94	
MM2	0.0000	0.0173	0.0118	0	
421					7167

	MA1	MA2	MM1	MM2	
MA1	0	150	58	52	
MA2	0.0209	0	138	135	
MM1	0.0081	0.0193	0	52	
MM2	0.0073	0.0188	0.0073	0	
424					10708

	MA1	MA2	MM1	MM2	
MA1	0	237	255	237	
MA2	0.0221	0	131	0	
MM1	0.0238	0.0122	0	131	
MM2	0.0221	0.0000	0.0122	0	
429					25264

	MA1	MA2	MM1	MM2	
MA1	0	725	386	362	
MA2	0.0287	0	718	701	
MM1	0.0153	0.0284	0	360	
MM2	0.0143	0.0277	0.0142	0	
430					6031

	MA1	MA2	MM1	MM2	
MA1	0	110	175	121	
MA2	0.0182	0	107	51	
MM1	0.0290	0.0177	0	70	
MM2	0.0201	0.0085	0.0116	0	
433					8284

	MA1	MA2	MM1	MM2	
MA1	0	187	187	189	
MA2	0.0226	0	0	58	
MM1	0.0226	0.0000	0	58	
MM2	0.0228	0.0070	0.0070	0	
435					11589

	MA1	MA2	MM1	MM2	
MA1	0	184	184	177	
MA2	0.0159	0	0	48	
MM1	0.0159	0.0000	0	48	
MM2	0.0153	0.0041	0.0041	0	
436					16692

	MA1	MA2	MM1	MM2	
MA1	0	353	355	349	
MA2	0.0211	0	196	208	
MM1	0.0213	0.0117	0	20	
MM2	0.0209	0.0125	0.0012	0	
438					7986

	MA1	MA2	MM1	MM2	
MA1	0	178	195	178	
MA2	0.0223	0	82	0	
MM1	0.0244	0.0103	0	82	
MM2	0.0223	0.0000	0.0103	0	
439					25973

	MA1	MA2	MM1	MM2	
MA1	0	631	279	285	
MA2	0.0243	0	613	624	
MM1	0.0107	0.0236	0	278	
MM2	0.0110	0.0240	0.0107	0	
441					9595

	MA1	MA2	MM1	MM2	
MA1	0	175	175	182	
MA2	0.0182	0	0	83	
MM1	0.0182	0.0000	0	83	
MM2	0.0190	0.0087	0.0087	0	
442					14357

	MA1	MA2	MM1	MM2	
MA1	0	269	260	269	
MA2	0.0187	0	126	0	
MM1	0.0181	0.0088	0	126	
MM2	0.0187	0.0000	0.0088	0	
453					8596

	MA1	MA2	MM1	MM2	
MA1	0	0	354	351	
MA2	0.0000	0	354	351	
MM1	0.0412	0.0412	0	13	
MM2	0.0408	0.0408	0.0015	0	
456					7080

	MA1	MA2	MM1	MM2	
MA1	0	88	0	0	
MA2	0.0124	0	88	88	
MM1	0.0000	0.0124	0	0	
MM2	0.0000	0.0124	0.0000	0	
464					12034

	MA1	MA2	MM1	MM2	
MA1	0	258	243	251	
MA2	0.0214	0	98	117	
MM1	0.0202	0.0081	0	104	
MM2	0.0209	0.0097	0.0086	0	
469					10254

	MA1	MA2	MM1	MM2	
MA1	0	255	255	237	
MA2	0.0249	0	0	105	
MM1	0.0249	0.0000	0	105	
MM2	0.0231	0.0102	0.0102	0	
470					21569

	MA1	MA2	MM1	MM2	
MA1	0	32	320	32	
MA2	0.0015	0	288	0	
MM1	0.0148	0.0134	0	288	
MM2	0.0015	0.0000	0.0134	0	
471					14756

	MA1	MA2	MM1	MM2	
MA1	0	148	72	0	
MA2	0.0100	0	149	148	
MM1	0.0049	0.0101	0	72	
MM2	0.0000	0.0100	0.0049	0	
473					13723

	MA1	MA2	MM1	MM2	
MA1	0	227	238	242	
MA2	0.0165	0	98	100	
MM1	0.0173	0.0071	0	86	
MM2	0.0176	0.0073	0.0063	0	
480					10830

	MA1	MA2	MM1	MM2	
MA1	0	359	165	164	
MA2	0.0331	0	354	350	
MM1	0.0152	0.0327	0	64	
MM2	0.0151	0.0323	0.0059	0	
483					14603

	MA1	MA2	MM1	MM2	
MA1	0	405	0	193	
MA2	0.0277	0	405	410	
MM1	0.0000	0.0277	0	193	
MM2	0.0132	0.0281	0.0132	0	
485					9818

	MA1	MA2	MM1	MM2	
MA1	0	99	35	38	
MA2	0.0101	0	100	100	
MM1	0.0036	0.0102	0	15	
MM2	0.0039	0.0102	0.0015	0	
488					19336

	MA1	MA2	MM1	MM2	
MA1	0	65	315	65	
MA2	0.0034	0	282	0	
MM1	0.0163	0.0146	0	282	
MM2	0.0034	0.0000	0.0146	0	
489					11697

	MA1	MA2	MM1	MM2	
MA1	0	127	145	127	
MA2	0.0109	0	81	0	
MM1	0.0124	0.0069	0	81	
MM2	0.0109	0.0000	0.0069	0	
491					12310

	MA1	MA2	MM1	MM2	
MA1	0	273	109	102	
MA2	0.0222	0	260	258	
MM1	0.0089	0.0211	0	96	
MM2	0.0083	0.0210	0.0078	0	
493					14885

	MA1	MA2	MM1	MM2	
MA1	0	200	103	89	
MA2	0.0134	0	217	212	
MM1	0.0069	0.0146	0	91	
MM2	0.0060	0.0142	0.0061	0	
495					13969

	MA1	MA2	MM1	MM2	
MA1	0	308	296	308	
MA2	0.0220	0	141	0	
MM1	0.0212	0.0101	0	141	
MM2	0.0220	0.0000	0.0101	0	
497					15397

	MA1	MA2	MM1	MM2	
MA1	0	407	248	0	
MA2	0.0264	0	425	407	
MM1	0.0161	0.0276	0	248	
MM2	0.0000	0.0264	0.0161	0	
499					7182

	MA1	MA2	MM1	MM2	
MA1	0	119	119	128	
MA2	0.0166	0	0	66	
MM1	0.0166	0.0000	0	66	
MM2	0.0178	0.0092	0.0092	0	
500					24012
	MA1	MA2	MM1	MM2	
MA1	0	384	280	0	
MA2	0.0160	0	505	384	
MM1	0.0117	0.0210	0	280	
MM2	0.0000	0.0160	0.0117	0	
501					14169
	MA1	MA2	MM1	MM2	
MA1	0	257	265	237	
MA2	0.0181	0	59	80	
MM1	0.0187	0.0042	0	139	
MM2	0.0167	0.0056	0.0098	0	
503					10712
	MA1	MA2	MM1	MM2	
MA1	0	277	0	147	
MA2	0.0259	0	277	272	
MM1	0.0000	0.0259	0	147	
MM2	0.0137	0.0254	0.0137	0	
508					12746
	MA1	MA2	MM1	MM2	
MA1	0	328	324	337	
MA2	0.0257	0	152	153	
MM1	0.0254	0.0119	0	192	
MM2	0.0264	0.0120	0.0151	0	
509					12335
	MA1	MA2	MM1	MM2	
MA1	0	210	89	102	
MA2	0.0170	0	200	195	
MM1	0.0072	0.0162	0	79	
MM2	0.0083	0.0158	0.0064	0	
519					13495
	MA1	MA2	MM1	MM2	
MA1	0	240	0	44	
MA2	0.0178	0	240	229	
MM1	0.0000	0.0178	0	44	
MM2	0.0033	0.0170	0.0033	0	
520					7272

	MA1	MA2	MM1	MM2	
MA1	0	74	74	82	
MA2	0.0102	0	0	26	
MM1	0.0102	0.0000	0	26	
MM2	0.0113	0.0036	0.0036	0	
521					9317

	MA1	MA2	MM1	MM2	
MA1	0	187	51	0	
MA2	0.0201	0	185	187	
MM1	0.0055	0.0199	0	51	
MM2	0.0000	0.0201	0.0055	0	
524					12858

	MA1	MA2	MM1	MM2	
MA1	0	232	232	229	
MA2	0.0180	0	0	123	
MM1	0.0180	0.0000	0	123	
MM2	0.0178	0.0096	0.0096	0	
530					14424

	MA1	MA2	MM1	MM2	
MA1	0	153	153	151	
MA2	0.0106	0	0	50	
MM1	0.0106	0.0000	0	50	
MM2	0.0105	0.0035	0.0035	0	
533					8587

	MA1	MA2	MM1	MM2	
MA1	0	0	0	146	
MA2	0.0000	0	0	146	
MM1	0.0000	0.0000	0	146	
MM2	0.0170	0.0170	0.0170	0	
535					12535

	MA1	MA2	MM1	MM2	
MA1	0	66	376	279	
MA2	0.0053	0	396	345	
MM1	0.0300	0.0316	0	192	
MM2	0.0223	0.0275	0.0153	0	
537					21065

	MA1	MA2	MM1	MM2	
MA1	0	18	425	149	
MA2	0.0009	0	413	131	
MM1	0.0202	0.0196	0	337	
MM2	0.0071	0.0062	0.0160	0	
541					16528

	MA1	MA2	MM1	MM2	
MA1	0	334	315	334	
MA2	0.0202	0	168	0	
MM1	0.0191	0.0102	0	168	
MM2	0.0202	0.0000	0.0102	0	
542					26787

	MA1	MA2	MM1	MM2	
MA1	0	569	569	593	
MA2	0.0212	0	0	289	
MM1	0.0212	0.0000	0	289	
MM2	0.0221	0.0108	0.0108	0	
543					13021

	MA1	MA2	MM1	MM2	
MA1	0	302	137	0	
MA2	0.0232	0	319	302	
MM1	0.0105	0.0245	0	137	
MM2	0.0000	0.0232	0.0105	0	
547					17591

	MA1	MA2	MM1	MM2	
MA1	0	409	378	390	
MA2	0.0233	0	211	192	
MM1	0.0215	0.0120	0	187	
MM2	0.0222	0.0109	0.0106	0	
548					9119

	MA1	MA2	MM1	MM2	
MA1	0	227	118	110	
MA2	0.0249	0	201	211	
MM1	0.0129	0.0220	0	92	
MM2	0.0121	0.0231	0.0101	0	
552					14204

	MA1	MA2	MM1	MM2	
MA1	0	239	251	251	
MA2	0.0168	0	131	143	
MM1	0.0177	0.0092	0	118	
MM2	0.0177	0.0101	0.0083	0	
556					10624

	MA1	MA2	MM1	MM2	
MA1	0	22	138	0	
MA2	0.0021	0	154	22	
MM1	0.0130	0.0145	0	138	
MM2	0.0000	0.0021	0.0130	0	
557					17506

	MA1	MA2	MM1	MM2	
MA1	0	296	256	246	
MA2	0.0169	0	413	394	
MM1	0.0146	0.0236	0	206	
MM2	0.0141	0.0225	0.0118	0	
562					14765

	MA1	MA2	MM1	MM2	
MA1	0	176	0	97	
MA2	0.0119	0	176	174	
MM1	0.0000	0.0119	0	97	
MM2	0.0066	0.0118	0.0066	0	
566					13422

	MA1	MA2	MM1	MM2	
MA1	0	21	179	255	
MA2	0.0016	0	194	271	
MM1	0.0133	0.0145	0	206	
MM2	0.0190	0.0202	0.0153	0	
569					10205

	MA1	MA2	MM1	MM2	
MA1	0	212	212	217	
MA2	0.0208	0	0	164	
MM1	0.0208	0.0000	0	164	
MM2	0.0213	0.0161	0.0161	0	
571					9467

	MA1	MA2	MM1	MM2	
MA1	0	201	205	201	
MA2	0.0212	0	94	0	
MM1	0.0217	0.0099	0	94	
MM2	0.0212	0.0000	0.0099	0	
577					10902

	MA1	MA2	MM1	MM2	
MA1	0	246	236	241	
MA2	0.0226	0	132	131	
MM1	0.0216	0.0121	0	133	
MM2	0.0221	0.0120	0.0122	0	
578					17850

	MA1	MA2	MM1	MM2	
MA1	0	352	362	342	
MA2	0.0197	0	186	189	
MM1	0.0203	0.0104	0	181	
MM2	0.0192	0.0106	0.0101	0	
584					11545

	MA1	MA2	MM1	MM2	
MA1	0	375	0	178	
MA2	0.0325	0	375	350	
MM1	0.0000	0.0325	0	178	
MM2	0.0154	0.0303	0.0154	0	
585					16227

	MA1	MA2	MM1	MM2	
MA1	0	246	106	103	
MA2	0.0152	0	249	273	
MM1	0.0065	0.0153	0	114	
MM2	0.0063	0.0168	0.0070	0	
586					13337

	MA1	MA2	MM1	MM2	
MA1	0	235	235	232	
MA2	0.0176	0	0	112	
MM1	0.0176	0.0000	0	112	
MM2	0.0174	0.0084	0.0084	0	
588					12021

	MA1	MA2	MM1	MM2	
MA1	0	337	0	194	
MA2	0.0280	0	337	358	
MM1	0.0000	0.0280	0	194	
MM2	0.0161	0.0298	0.0161	0	
589					12404

	MA1	MA2	MM1	MM2	
MA1	0	223	60	73	
MA2	0.0180	0	214	219	
MM1	0.0048	0.0173	0	66	
MM2	0.0059	0.0177	0.0053	0	
592					8725

	MA1	MA2	MM1	MM2	
MA1	0	148	151	158	
MA2	0.0170	0	19	99	
MM1	0.0173	0.0022	0	80	
MM2	0.0181	0.0113	0.0092	0	
596					8342

	MA1	MA2	MM1	MM2	
MA1	0	135	135	135	
MA2	0.0162	0	0	0	
MM1	0.0162	0.0000	0	0	
MM2	0.0162	0.0000	0.0000	0	
599					10767

	MA1	MA2	MM1	MM2	
MA1	0	178	172	162	
MA2	0.0165	0	86	88	
MM1	0.0160	0.0080	0	86	
MM2	0.0150	0.0082	0.0080	0	
605					7245

	MA1	MA2	MM1	MM2	
MA1	0	214	135	127	
MA2	0.0295	0	263	266	
MM1	0.0186	0.0363	0	114	
MM2	0.0175	0.0367	0.0157	0	
608					10383

	MA1	MA2	MM1	MM2	
MA1	0	178	173	168	
MA2	0.0171	0	98	93	
MM1	0.0167	0.0094	0	61	
MM2	0.0162	0.0090	0.0059	0	
610					12622

	MA1	MA2	MM1	MM2	
MA1	0	202	202	201	
MA2	0.0160	0	0	98	
MM1	0.0160	0.0000	0	98	
MM2	0.0159	0.0078	0.0078	0	
613					9528

	MA1	MA2	MM1	MM2	
MA1	0	120	177	120	
MA2	0.0126	0	107	0	
MM1	0.0186	0.0112	0	107	
MM2	0.0126	0.0000	0.0112	0	
622					7369

	MA1	MA2	MM1	MM2	
MA1	0	162	162	166	
MA2	0.0220	0	0	40	
MM1	0.0220	0.0000	0	40	
MM2	0.0225	0.0054	0.0054	0	
626					7386

	MA1	MA2	MM1	MM2	
MA1	0	195	206	207	
MA2	0.0264	0	142	143	
MM1	0.0279	0.0192	0	106	
MM2	0.0280	0.0194	0.0144	0	
635					13178

	MA1	MA2	MM1	MM2	
MA1	0	246	214	246	
MA2	0.0187	0	126	0	
MM1	0.0162	0.0096	0	126	
MM2	0.0187	0.0000	0.0096	0	
638					11079

	MA1	MA2	MM1	MM2	
MA1	0	267	268	272	
MA2	0.0241	0	144	152	
MM1	0.0242	0.0130	0	148	
MM2	0.0246	0.0137	0.0134	0	
639					12570

	MA1	MA2	MM1	MM2	
MA1	0	456	290	249	
MA2	0.0363	0	495	455	
MM1	0.0231	0.0394	0	221	
MM2	0.0198	0.0362	0.0176	0	
649					14893

	MA1	MA2	MM1	MM2	
MA1	0	300	301	300	
MA2	0.0201	0	140	0	
MM1	0.0202	0.0094	0	140	
MM2	0.0201	0.0000	0.0094	0	
650					15188

	MA1	MA2	MM1	MM2	
MA1	0	241	0	134	
MA2	0.0159	0	241	271	
MM1	0.0000	0.0159	0	134	
MM2	0.0088	0.0178	0.0088	0	
652					7452

	MA1	MA2	MM1	MM2	
MA1	0	162	98	19	
MA2	0.0217	0	177	165	
MM1	0.0132	0.0238	0	92	
MM2	0.0025	0.0221	0.0123	0	
661					13212

	MA1	MA2	MM1	MM2	
MA1	0	337	337	351	
MA2	0.0255	0	0	129	
MM1	0.0255	0.0000	0	129	
MM2	0.0266	0.0098	0.0098	0	
662					11457

	MA1	MA2	MM1	MM2	
MA1	0	204	200	195	
MA2	0.0178	0	92	76	
MM1	0.0175	0.0080	0	81	
MM2	0.0170	0.0066	0.0071	0	
665					12105

	MA1	MA2	MM1	MM2	
MA1	0	85	86	173	
MA2	0.0070	0	1	108	
MM1	0.0071	0.0001	0	107	
MM2	0.0143	0.0089	0.0088	0	
668					14222

	MA1	MA2	MM1	MM2	
MA1	0	176	168	176	
MA2	0.0124	0	48	57	
MM1	0.0118	0.0034	0	39	
MM2	0.0124	0.0040	0.0027	0	
669					32937

	MA1	MA2	MM1	MM2	
MA1	0	775	249	404	
MA2	0.0235	0	783	782	
MM1	0.0076	0.0238	0	431	
MM2	0.0123	0.0237	0.0131	0	
671					11380

	MA1	MA2	MM1	MM2	
MA1	0	262	0	10	
MA2	0.0230	0	262	255	
MM1	0.0000	0.0230	0	10	
MM2	0.0009	0.0224	0.0009	0	
672					9285

	MA1	MA2	MM1	MM2	
MA1	0	227	133	49	
MA2	0.0244	0	241	213	
MM1	0.0143	0.0260	0	152	
MM2	0.0053	0.0229	0.0164	0	
677					14185

	MA1	MA2	MM1	MM2	
MA1	0	378	375	365	
MA2	0.0266	0	213	222	
MM1	0.0264	0.0150	0	213	
MM2	0.0257	0.0157	0.0150	0	
685					15438

	MA1	MA2	MM1	MM2	
MA1	0	471	471	472	
MA2	0.0305	0	0	221	
MM1	0.0305	0.0000	0	221	
MM2	0.0306	0.0143	0.0143	0	
691					9840

	MA1	MA2	MM1	MM2	
MA1	0	63	256	265	
MA2	0.0064	0	222	202	
MM1	0.0260	0.0226	0	141	
MM2	0.0269	0.0205	0.0143	0	
692					12149

	MA1	MA2	MM1	MM2	
MA1	0	258	116	0	
MA2	0.0212	0	246	258	
MM1	0.0095	0.0202	0	116	
MM2	0.0000	0.0212	0.0095	0	
693					12220

	MA1	MA2	MM1	MM2	
MA1	0	312	182	178	
MA2	0.0255	0	337	333	
MM1	0.0149	0.0276	0	4	
MM2	0.0146	0.0273	0.0003	0	
694					18952

	MA1	MA2	MM1	MM2	
MA1	0	483	487	502	
MA2	0.0255	0	213	188	
MM1	0.0257	0.0112	0	202	
MM2	0.0265	0.0099	0.0107	0	
697					9490

	MA1	MA2	MM1	MM2	
MA1	0	210	210	210	
MA2	0.0221	0	96	0	
MM1	0.0221	0.0101	0	96	
MM2	0.0221	0.0000	0.0101	0	
699					19690

	MA1	MA2	MM1	MM2	
MA1	0	407	444	457	
MA2	0.0207	0	315	332	
MM1	0.0225	0.0160	0	281	
MM2	0.0232	0.0169	0.0143	0	
700					11327

	MA1	MA2	MM1	MM2	
MA1	0	281	281	263	
MA2	0.0248	0	0	126	
MM1	0.0248	0.0000	0	126	
MM2	0.0232	0.0111	0.0111	0	
701					7632

	MA1	MA2	MM1	MM2	
MA1	0	184	47	160	
MA2	0.0241	0	231	221	
MM1	0.0062	0.0303	0	113	
MM2	0.0210	0.0290	0.0148	0	
704					10009

	MA1	MA2	MM1	MM2	
MA1	0	71	284	261	
MA2	0.0071	0	289	275	
MM1	0.0284	0.0289	0	162	
MM2	0.0261	0.0275	0.0162	0	
718					15765

	MA1	MA2	MM1	MM2	
MA1	0	334	330	334	
MA2	0.0212	0	80	0	
MM1	0.0209	0.0051	0	80	
MM2	0.0212	0.0000	0.0051	0	
719					10962

	MA1	MA2	MM1	MM2	
MA1	0	158	162	166	
MA2	0.0144	0	51	46	
MM1	0.0148	0.0047	0	65	
MM2	0.0151	0.0042	0.0059	0	
722					6616

	MA1	MA2	MM1	MM2	
MA1	0	31	22	8	
MA2	0.0047	0	34	25	
MM1	0.0033	0.0051	0	18	
MM2	0.0012	0.0038	0.0027	0	
723					10336

	MA1	MA2	MM1	MM2	
MA1	0	214	214	214	
MA2	0.0207	0	64	0	
MM1	0.0207	0.0062	0	64	
MM2	0.0207	0.0000	0.0062	0	
725					10454

	MA1	MA2	MM1	MM2	
MA1	0	306	264	215	
MA2	0.0293	0	233	93	
MM1	0.0253	0.0223	0	166	
MM2	0.0206	0.0089	0.0159	0	
726					10441

	MA1	MA2	MM1	MM2	
MA1	0	249	3	104	
MA2	0.0238	0	246	256	
MM1	0.0003	0.0236	0	101	
MM2	0.0100	0.0245	0.0097	0	
732					9962

	MA1	MA2	MM1	MM2	
MA1	0	181	189	181	
MA2	0.0182	0	46	0	
MM1	0.0190	0.0046	0	46	
MM2	0.0182	0.0000	0.0046	0	
738					9735

	MA1	MA2	MM1	MM2	
MA1	0	110	107	102	
MA2	0.0113	0	164	181	
MM1	0.0110	0.0168	0	77	
MM2	0.0105	0.0186	0.0079	0	
740					12001

	MA1	MA2	MM1	MM2	
MA1	0	193	0	112	
MA2	0.0161	0	193	179	
MM1	0.0000	0.0161	0	112	
MM2	0.0093	0.0149	0.0093	0	
743					22003

	MA1	MA2	MM1	MM2	
MA1	0	553	553	548	
MA2	0.0251	0	0	261	
MM1	0.0251	0.0000	0	261	
MM2	0.0249	0.0119	0.0119	0	
746					10403

	MA1	MA2	MM1	MM2	
MA1	0	227	227	217	
MA2	0.0218	0	0	125	
MM1	0.0218	0.0000	0	125	
MM2	0.0209	0.0120	0.0120	0	
747					11830

	MA1	MA2	MM1	MM2	
MA1	0	216	115	115	
MA2	0.0183	0	217	217	
MM1	0.0097	0.0183	0	0	
MM2	0.0097	0.0183	0.0000	0	
761					13562

	MA1	MA2	MM1	MM2	
MA1	0	245	245	227	
MA2	0.0181	0	0	136	
MM1	0.0181	0.0000	0	136	
MM2	0.0167	0.0100	0.0100	0	
762					15898

	MA1	MA2	MM1	MM2	
MA1	0	259	259	238	
MA2	0.0163	0	0	103	
MM1	0.0163	0.0000	0	103	
MM2	0.0150	0.0065	0.0065	0	
769					9372

	MA1	MA2	MM1	MM2	
MA1	0	182	12	0	
MA2	0.0194	0	186	182	
MM1	0.0013	0.0198	0	12	
MM2	0.0000	0.0194	0.0013	0	
773					11866

	MA1	MA2	MM1	MM2	
MA1	0	190	107	0	
MA2	0.0160	0	179	190	
MM1	0.0090	0.0151	0	107	
MM2	0.0000	0.0160	0.0090	0	
776					12698

	MA1	MA2	MM1	MM2	
MA1	0	110	165	129	
MA2	0.0087	0	129	103	
MM1	0.0130	0.0102	0	118	
MM2	0.0102	0.0081	0.0093	0	
779					9973

	MA1	MA2	MM1	MM2	
MA1	0	176	0	76	
MA2	0.0176	0	176	175	
MM1	0.0000	0.0176	0	76	
MM2	0.0076	0.0175	0.0076	0	
780					11554

	MA1	MA2	MM1	MM2	
MA1	0	221	221	214	
MA2	0.0191	0	0	106	
MM1	0.0191	0.0000	0	106	
MM2	0.0185	0.0092	0.0092	0	
794					9830

	MA1	MA2	MM1	MM2	
MA1	0	238	127	125	
MA2	0.0242	0	235	233	
MM1	0.0129	0.0239	0	2	
MM2	0.0127	0.0237	0.0002	0	
796					11370

	MA1	MA2	MM1	MM2	
MA1	0	293	300	293	
MA2	0.0258	0	126	0	
MM1	0.0264	0.0111	0	126	
MM2	0.0258	0.0000	0.0111	0	
797					11724

	MA1	MA2	MM1	MM2	
MA1	0	325	159	0	
MA2	0.0277	0	305	325	
MM1	0.0136	0.0260	0	159	
MM2	0.0000	0.0277	0.0136	0	
802					9375

	MA1	MA2	MM1	MM2	
MA1	0	282	287	286	
MA2	0.0301	0	158	167	
MM1	0.0306	0.0169	0	176	
MM2	0.0305	0.0178	0.0188	0	
808					13526

	MA1	MA2	MM1	MM2	
MA1	0	142	67	79	
MA2	0.0105	0	146	145	
MM1	0.0050	0.0108	0	70	
MM2	0.0058	0.0107	0.0052	0	
810					21178

	MA1	MA2	MM1	MM2	
MA1	0	468	460	476	
MA2	0.0221	0	222	200	
MM1	0.0217	0.0105	0	254	
MM2	0.0225	0.0094	0.0120	0	
814					6658

	MA1	MA2	MM1	MM2	
MA1	0	267	247	237	
MA2	0.0401	0	162	154	
MM1	0.0371	0.0243	0	170	
MM2	0.0356	0.0231	0.0255	0	
817					18542

	MA1	MA2	MM1	MM2	
MA1	0	264	262	264	
MA2	0.0142	0	110	0	
MM1	0.0141	0.0059	0	110	
MM2	0.0142	0.0000	0.0059	0	
819					8582

	MA1	MA2	MM1	MM2	
MA1	0	172	172	164	
MA2	0.0200	0	0	34	
MM1	0.0200	0.0000	0	34	
MM2	0.0191	0.0040	0.0040	0	
820					12475

	MA1	MA2	MM1	MM2	
MA1	0	267	241	270	
MA2	0.0214	0	118	149	
MM1	0.0193	0.0095	0	137	
MM2	0.0216	0.0119	0.0110	0	
826					11646

	MA1	MA2	MM1	MM2	
MA1	0	238	238	239	
MA2	0.0204	0	0	94	
MM1	0.0204	0.0000	0	94	
MM2	0.0205	0.0081	0.0081	0	
827					21803

	MA1	MA2	MM1	MM2	
MA1	0	470	470	468	
MA2	0.0216	0	0	225	
MM1	0.0216	0.0000	0	225	
MM2	0.0215	0.0103	0.0103	0	
832					12725

	MA1	MA2	MM1	MM2	
MA1	0	47	177	158	
MA2	0.0037	0	195	170	
MM1	0.0139	0.0153	0	149	
MM2	0.0124	0.0134	0.0117	0	
842					12159

	MA1	MA2	MM1	MM2	
MA1	0	0	195	215	
MA2	0.0000	0	195	215	
MM1	0.0160	0.0160	0	127	
MM2	0.0177	0.0177	0.0104	0	
845					12896

	MA1	MA2	MM1	MM2	
MA1	0	215	214	212	
MA2	0.0167	0	88	93	
MM1	0.0166	0.0068	0	94	
MM2	0.0164	0.0072	0.0073	0	
852					16323

	MA1	MA2	MM1	MM2	
MA1	0	390	201	235	
MA2	0.0239	0	392	408	
MM1	0.0123	0.0240	0	250	
MM2	0.0144	0.0250	0.0153	0	
855					19179

	MA1	MA2	MM1	MM2	
MA1	0	350	372	363	
MA2	0.0182	0	445	470	
MM1	0.0194	0.0232	0	278	
MM2	0.0189	0.0245	0.0145	0	
864					14312

	MA1	MA2	MM1	MM2	
MA1	0	268	0	139	
MA2	0.0187	0	268	264	
MM1	0.0000	0.0187	0	139	
MM2	0.0097	0.0184	0.0097	0	
869					9900

	MA1	MA2	MM1	MM2	
MA1	0	0	206	0	
MA2	0.0000	0	206	0	
MM1	0.0208	0.0208	0	206	
MM2	0.0000	0.0000	0.0208	0	
880					10735

	MA1	MA2	MM1	MM2	
MA1	0	180	0	96	
MA2	0.0168	0	180	183	
MM1	0.0000	0.0168	0	96	
MM2	0.0089	0.0170	0.0089	0	
894					7418

	MA1	MA2	MM1	MM2	
MA1	0	102	75	81	
MA2	0.0138	0	144	167	
MM1	0.0101	0.0194	0	105	
MM2	0.0109	0.0225	0.0142	0	
902					19505
	MA1	MA2	MM1	MM2	
MA1	0	614	561	614	
MA2	0.0315	0	377	0	
MM1	0.0288	0.0193	0	377	
MM2	0.0315	0.0000	0.0193	0	
905					19023
	MA1	MA2	MM1	MM2	
MA1	0	324	0	166	
MA2	0.0170	0	324	324	
MM1	0.0000	0.0170	0	166	
MM2	0.0087	0.0170	0.0087	0	
906					17557
	MA1	MA2	MM1	MM2	
MA1	0	305	67	157	
MA2	0.0174	0	290	276	
MM1	0.0038	0.0165	0	136	
MM2	0.0089	0.0157	0.0077	0	
907					10075
	MA1	MA2	MM1	MM2	
MA1	0	159	104	0	
MA2	0.0158	0	181	159	
MM1	0.0103	0.0180	0	104	
MM2	0.0000	0.0158	0.0103	0	
908					15802
	MA1	MA2	MM1	MM2	
MA1	0	366	0	208	
MA2	0.0232	0	366	373	
MM1	0.0000	0.0232	0	208	
MM2	0.0132	0.0236	0.0132	0	
917					6524
	MA1	MA2	MM1	MM2	
MA1	0	78	0	16	
MA2	0.0120	0	78	75	
MM1	0.0000	0.0120	0	16	
MM2	0.0025	0.0115	0.0025	0	
919					19987

	MA1	MA2	MM1	MM2	
MA1	0	65	267	0	
MA2	0.0033	0	304	65	
MM1	0.0134	0.0152	0	267	
MM2	0.0000	0.0033	0.0134	0	
920					8976

	MA1	MA2	MM1	MM2	
MA1	0	88	111	147	
MA2	0.0098	0	23	86	
MM1	0.0124	0.0026	0	76	
MM2	0.0164	0.0096	0.0085	0	
922					14140

	MA1	MA2	MM1	MM2	
MA1	0	364	248	196	
MA2	0.0257	0	392	386	
MM1	0.0175	0.0277	0	249	
MM2	0.0139	0.0273	0.0176	0	
924					11711

	MA1	MA2	MM1	MM2	
MA1	0	193	18	94	
MA2	0.0165	0	211	207	
MM1	0.0015	0.0180	0	76	
MM2	0.0080	0.0177	0.0065	0	
926					12517

	MA1	MA2	MM1	MM2	
MA1	0	219	201	219	
MA2	0.0175	0	98	0	
MM1	0.0161	0.0078	0	98	
MM2	0.0175	0.0000	0.0078	0	
927					12300

	MA1	MA2	MM1	MM2	
MA1	0	208	91	86	
MA2	0.0169	0	209	222	
MM1	0.0074	0.0170	0	61	
MM2	0.0070	0.0180	0.0050	0	
928					9292

	MA1	MA2	MM1	MM2	
MA1	0	137	137	124	
MA2	0.0147	0	70	68	
MM1	0.0147	0.0075	0	76	
MM2	0.0133	0.0073	0.0082	0	
932					7794

	MA1	MA2	MM1	MM2	
MA1	0	174	104	0	
MA2	0.0223	0	178	174	
MM1	0.0133	0.0228	0	104	
MM2	0.0000	0.0223	0.0133	0	
933					18375

	MA1	MA2	MM1	MM2	
MA1	0	339	179	0	
MA2	0.0184	0	350	339	
MM1	0.0097	0.0190	0	179	
MM2	0.0000	0.0184	0.0097	0	
937					12005

	MA1	MA2	MM1	MM2	
MA1	0	120	0	49	
MA2	0.0100	0	120	123	
MM1	0.0000	0.0100	0	49	
MM2	0.0041	0.0102	0.0041	0	
939					13370

	MA1	MA2	MM1	MM2	
MA1	0	247	238	248	
MA2	0.0185	0	56	3	
MM1	0.0178	0.0042	0	53	
MM2	0.0185	0.0002	0.0040	0	
941					13748

	MA1	MA2	MM1	MM2	
MA1	0	81	269	294	
MA2	0.0059	0	188	247	
MM1	0.0196	0.0137	0	178	
MM2	0.0214	0.0180	0.0129	0	
943					8548

	MA1	MA2	MM1	MM2	
MA1	0	189	188	188	
MA2	0.0221	0	52	51	
MM1	0.0220	0.0061	0	51	
MM2	0.0220	0.0060	0.0060	0	
945					10924

	MA1	MA2	MM1	MM2	
MA1	0	351	189	190	
MA2	0.0321	0	364	350	
MM1	0.0173	0.0333	0	217	
MM2	0.0174	0.0320	0.0199	0	
953					10594

	MA1	MA2	MM1	MM2	
MA1	0	225	234	218	
MA2	0.0212	0	95	42	
MM1	0.0221	0.0090	0	94	
MM2	0.0206	0.0040	0.0089	0	
954					8375

	MA1	MA2	MM1	MM2	
MA1	0	152	94	0	
MA2	0.0181	0	150	152	
MM1	0.0112	0.0179	0	94	
MM2	0.0000	0.0181	0.0112	0	
957					11988

	MA1	MA2	MM1	MM2	
MA1	0	241	209	114	
MA2	0.0201	0	261	257	
MM1	0.0174	0.0218	0	176	
MM2	0.0095	0.0214	0.0147	0	
958					7665

	MA1	MA2	MM1	MM2	
MA1	0	126	126	168	
MA2	0.0164	0	0	116	
MM1	0.0164	0.0000	0	116	
MM2	0.0219	0.0151	0.0151	0	
964					15721

	MA1	MA2	MM1	MM2	
MA1	0	325	325	314	
MA2	0.0207	0	0	171	
MM1	0.0207	0.0000	0	171	
MM2	0.0200	0.0109	0.0109	0	
967					12529

	MA1	MA2	MM1	MM2	
MA1	0	206	197	206	
MA2	0.0164	0	74	0	
MM1	0.0157	0.0059	0	74	
MM2	0.0164	0.0000	0.0059	0	
974					15197

	MA1	MA2	MM1	MM2	
MA1	0	391	407	414	
MA2	0.0257	0	217	209	
MM1	0.0268	0.0143	0	140	
MM2	0.0272	0.0138	0.0092	0	
975					6877

Table S6: Difference Matrices.

	MA1	MA2	MM1	MM2	
MA1	0	149	0	66	
MA2	0.0217	0	149	139	
MM1	0.0000	0.0217	0	66	
MM2	0.0096	0.0202	0.0096	0	
980					7516

	MA1	MA2	MM1	MM2	
MA1	0	183	211	216	
MA2	0.0243	0	137	145	
MM1	0.0281	0.0182	0	84	
MM2	0.0287	0.0193	0.0112	0	
988					10284

	MA1	MA2	MM1	MM2	
MA1	0	244	244	264	
MA2	0.0237	0	0	135	
MM1	0.0237	0.0000	0	135	
MM2	0.0257	0.0131	0.0131	0	

	8				11387
	CR1	CR2	MM1	MM2	
CR1	0	356	132	134	
CR2	0.0313	0	367	374	
MM1	0.0116	0.0322	0	88	
MM2	0.0118	0.0328	0.0077	0	
	16				10501
	CR1	CR2	MM1	MM2	
CR1	0	333	129	159	
CR2	0.0317	0	319	322	
MM1	0.0123	0.0304	0	153	
MM2	0.0151	0.0307	0.0146	0	
	18				10068
	CR1	CR2	MM1	MM2	
CR1	0	274	188	168	
CR2	0.0272	0	253	271	
MM1	0.0187	0.0251	0	179	
MM2	0.0167	0.0269	0.0178	0	
	20				7947
	CR1	CR2	MM1	MM2	
CR1	0	143	49	66	
CR2	0.0180	0	140	141	
MM1	0.0062	0.0176	0	71	
MM2	0.0083	0.0177	0.0089	0	
	22				4936
	CR1	CR2	MM1	MM2	
CR1	0	85	80	82	
CR2	0.0172	0	136	140	
MM1	0.0162	0.0276	0	47	
MM2	0.0166	0.0284	0.0095	0	
	26				12708
	CR1	CR2	MM1	MM2	
CR1	0	307	141	186	
CR2	0.0242	0	311	308	
MM1	0.0111	0.0245	0	134	
MM2	0.0146	0.0242	0.0105	0	
	28				17759
	CR1	CR2	MM1	MM2	
CR1	0	15	129	168	
CR2	0.0008	0	116	155	
MM1	0.0073	0.0065	0	105	
MM2	0.0095	0.0087	0.0059	0	

	29				29571
	CR1	CR2	MM1	MM2	
CR1	0	903	713	859	
CR2	0.0305	0	719	689	
MM1	0.0241	0.0243	0	626	
MM2	0.0290	0.0233	0.0212	0	
	32				15605
	CR1	CR2	MM1	MM2	
CR1	0	167	187	197	
CR2	0.0107	0	222	235	
MM1	0.0120	0.0142	0	185	
MM2	0.0126	0.0151	0.0119	0	
	33				31052
	CR1	CR2	MM1	MM2	
CR1	0	456	201	195	
CR2	0.0147	0	489	465	
MM1	0.0065	0.0157	0	187	
MM2	0.0063	0.0150	0.0060	0	
	34				15338
	CR1	CR2	MM1	MM2	
CR1	0	357	228	238	
CR2	0.0233	0	340	326	
MM1	0.0149	0.0222	0	187	
MM2	0.0155	0.0213	0.0122	0	
	35				8520
	CR1	CR2	MM1	MM2	
CR1	0	190	116	116	
CR2	0.0223	0	194	194	
MM1	0.0136	0.0228	0	0	
MM2	0.0136	0.0228	0.0000	0	
	36				12637
	CR1	CR2	MM1	MM2	
CR1	0	393	197	204	
CR2	0.0311	0	396	379	
MM1	0.0156	0.0313	0	180	
MM2	0.0161	0.0300	0.0142	0	
	41				11599
	CR1	CR2	MM1	MM2	
CR1	0	276	164	165	
CR2	0.0238	0	274	261	
MM1	0.0141	0.0236	0	156	
MM2	0.0142	0.0225	0.0134	0	

	46				6594
	CR1	CR2	MM1	MM2	
CR1	0	0	218	224	
CR2	0.0000	0	218	224	
MM1	0.0331	0.0331	0	104	
MM2	0.0340	0.0340	0.0158	0	
	48				9269
	CR1	CR2	MM1	MM2	
CR1	0	142	223	232	
CR2	0.0153	0	297	308	
MM1	0.0241	0.0320	0	177	
MM2	0.0250	0.0332	0.0191	0	
	49				14350
	CR1	CR2	MM1	MM2	
CR1	0	275	121	135	
CR2	0.0192	0	272	264	
MM1	0.0084	0.0190	0	134	
MM2	0.0094	0.0184	0.0093	0	
	52				7787
	CR1	CR2	MM1	MM2	
CR1	0	66	35	34	
CR2	0.0085	0	65	66	
MM1	0.0045	0.0083	0	35	
MM2	0.0044	0.0085	0.0045	0	
	58				12482
	CR1	CR2	MM1	MM2	
CR1	0	204	114	119	
CR2	0.0163	0	204	192	
MM1	0.0091	0.0163	0	136	
MM2	0.0095	0.0154	0.0109	0	
	59				14513
	CR1	CR2	MM1	MM2	
CR1	0	273	110	140	
CR2	0.0188	0	258	286	
MM1	0.0076	0.0178	0	150	
MM2	0.0096	0.0197	0.0103	0	
	60				11751
	CR1	CR2	MM1	MM2	
CR1	0	254	0	136	
CR2	0.0216	0	254	237	
MM1	0.0000	0.0216	0	136	
MM2	0.0116	0.0202	0.0116	0	

	62				8232
	CR1	CR2	MM1	MM2	
CR1	0	221	98	123	
CR2	0.0268	0	232	220	
MM1	0.0119	0.0282	0	91	
MM2	0.0149	0.0267	0.0111	0	
	63				12360
	CR1	CR2	MM1	MM2	
CR1	0	363	405	413	
CR2	0.0294	0	221	281	
MM1	0.0328	0.0179	0	246	
MM2	0.0334	0.0227	0.0199	0	
	64				19408
	CR1	CR2	MM1	MM2	
CR1	0	227	343	345	
CR2	0.0117	0	411	418	
MM1	0.0177	0.0212	0	228	
MM2	0.0178	0.0215	0.0117	0	
	66				12344
	CR1	CR2	MM1	MM2	
CR1	0	239	208	218	
CR2	0.0194	0	324	300	
MM1	0.0169	0.0262	0	177	
MM2	0.0177	0.0243	0.0143	0	
	70				17461
	CR1	CR2	MM1	MM2	
CR1	0	380	146	172	
CR2	0.0218	0	385	392	
MM1	0.0084	0.0220	0	62	
MM2	0.0099	0.0225	0.0036	0	
	71				9708
	CR1	CR2	MM1	MM2	
CR1	0	230	94	123	
CR2	0.0237	0	221	224	
MM1	0.0097	0.0228	0	109	
MM2	0.0127	0.0231	0.0112	0	
	72				17714
	CR1	CR2	MM1	MM2	
CR1	0	318	187	200	
CR2	0.0180	0	340	329	
MM1	0.0106	0.0192	0	206	
MM2	0.0113	0.0186	0.0116	0	

	73				14122
	CR1	CR2	MM1	MM2	
CR1	0	225	221	224	
CR2	0.0159	0	88	96	
MM1	0.0156	0.0062	0	93	
MM2	0.0159	0.0068	0.0066	0	
	76				8695
	CR1	CR2	MM1	MM2	
CR1	0	185	204	211	
CR2	0.0213	0	95	123	
MM1	0.0235	0.0109	0	39	
MM2	0.0243	0.0141	0.0045	0	
	78				17831
	CR1	CR2	MM1	MM2	
CR1	0	380	388	400	
CR2	0.0213	0	178	203	
MM1	0.0218	0.0100	0	73	
MM2	0.0224	0.0114	0.0041	0	
	80				9507
	CR1	CR2	MM1	MM2	
CR1	0	146	137	141	
CR2	0.0154	0	44	67	
MM1	0.0144	0.0046	0	55	
MM2	0.0148	0.0070	0.0058	0	
	84				10425
	CR1	CR2	MM1	MM2	
CR1	0	412	174	193	
CR2	0.0395	0	416	425	
MM1	0.0167	0.0399	0	150	
MM2	0.0185	0.0408	0.0144	0	
	86				9705
	CR1	CR2	MM1	MM2	
CR1	0	330	217	217	
CR2	0.0340	0	307	307	
MM1	0.0224	0.0316	0	0	
MM2	0.0224	0.0316	0.0000	0	
	90				14644
	CR1	CR2	MM1	MM2	
CR1	0	294	144	139	
CR2	0.0201	0	326	332	
MM1	0.0098	0.0223	0	133	
MM2	0.0095	0.0227	0.0091	0	

	91				7542
	CR1	CR2	MM1	MM2	
CR1	0	43	150	151	
CR2	0.0057	0	176	179	
MM1	0.0199	0.0233	0	94	
MM2	0.0200	0.0237	0.0125	0	
	92				12811
	CR1	CR2	MM1	MM2	
CR1	0	195	190	198	
CR2	0.0152	0	84	82	
MM1	0.0148	0.0066	0	92	
MM2	0.0155	0.0064	0.0072	0	
	93				12881
	CR1	CR2	MM1	MM2	
CR1	0	374	320	273	
CR2	0.0290	0	387	389	
MM1	0.0248	0.0300	0	210	
MM2	0.0212	0.0302	0.0163	0	
	94				8340
	CR1	CR2	MM1	MM2	
CR1	0	378	203	174	
CR2	0.0453	0	352	353	
MM1	0.0243	0.0422	0	216	
MM2	0.0209	0.0423	0.0259	0	
	97				9893
	CR1	CR2	MM1	MM2	
CR1	0	114	187	236	
CR2	0.0115	0	261	282	
MM1	0.0189	0.0264	0	155	
MM2	0.0239	0.0285	0.0157	0	
	98				14044
	CR1	CR2	MM1	MM2	
CR1	0	298	139	127	
CR2	0.0212	0	302	294	
MM1	0.0099	0.0215	0	143	
MM2	0.0090	0.0209	0.0102	0	
	101				16924
	CR1	CR2	MM1	MM2	
CR1	0	359	314	325	
CR2	0.0212	0	397	462	
MM1	0.0186	0.0235	0	243	
MM2	0.0192	0.0273	0.0144	0	

107					16111
	CR1	CR2	MM1	MM2	
CR1	0	362	183	146	
CR2	0.0225	0	347	334	
MM1	0.0114	0.0215	0	163	
MM2	0.0091	0.0207	0.0101	0	
109					10411
	CR1	CR2	MM1	MM2	
CR1	0	337	105	201	
CR2	0.0324	0	316	291	
MM1	0.0101	0.0304	0	96	
MM2	0.0193	0.0280	0.0092	0	
110					9137
	CR1	CR2	MM1	MM2	
CR1	0	203	114	97	
CR2	0.0222	0	209	193	
MM1	0.0125	0.0229	0	113	
MM2	0.0106	0.0211	0.0124	0	
113					10514
	CR1	CR2	MM1	MM2	
CR1	0	190	184	183	
CR2	0.0181	0	77	102	
MM1	0.0175	0.0073	0	87	
MM2	0.0174	0.0097	0.0083	0	
114					13380
	CR1	CR2	MM1	MM2	
CR1	0	242	141	149	
CR2	0.0181	0	242	231	
MM1	0.0105	0.0181	0	134	
MM2	0.0111	0.0173	0.0100	0	
115					10245
	CR1	CR2	MM1	MM2	
CR1	0	199	97	85	
CR2	0.0194	0	205	192	
MM1	0.0095	0.0200	0	87	
MM2	0.0083	0.0187	0.0085	0	
117					10130
	CR1	CR2	MM1	MM2	
CR1	0	10	236	211	
CR2	0.0010	0	237	212	
MM1	0.0233	0.0234	0	147	
MM2	0.0208	0.0209	0.0145	0	

120					10222
	CR1	CR2	MM1	MM2	
CR1	0	240	182	152	
CR2	0.0235	0	229	236	
MM1	0.0178	0.0224	0	155	
MM2	0.0149	0.0231	0.0152	0	
121					15870
	CR1	CR2	MM1	MM2	
CR1	0	332	172	175	
CR2	0.0209	0	341	335	
MM1	0.0108	0.0215	0	171	
MM2	0.0110	0.0211	0.0108	0	
124					11046
	CR1	CR2	MM1	MM2	
CR1	0	183	86	128	
CR2	0.0166	0	166	174	
MM1	0.0078	0.0150	0	86	
MM2	0.0116	0.0158	0.0078	0	
125					8100
	CR1	CR2	MM1	MM2	
CR1	0	215	135	110	
CR2	0.0265	0	258	239	
MM1	0.0167	0.0319	0	93	
MM2	0.0136	0.0295	0.0115	0	
135					12346
	CR1	CR2	MM1	MM2	
CR1	0	0	307	320	
CR2	0.0000	0	307	320	
MM1	0.0249	0.0249	0	165	
MM2	0.0259	0.0259	0.0134	0	
146					6794
	CR1	CR2	MM1	MM2	
CR1	0	215	198	202	
CR2	0.0316	0	241	234	
MM1	0.0291	0.0355	0	123	
MM2	0.0297	0.0344	0.0181	0	
150					9873
	CR1	CR2	MM1	MM2	
CR1	0	264	249	263	
CR2	0.0267	0	143	164	
MM1	0.0252	0.0145	0	131	
MM2	0.0266	0.0166	0.0133	0	

151					16174
	CR1	CR2	MM1	MM2	
CR1	0	347	136	127	
CR2	0.0215	0	352	362	
MM1	0.0084	0.0218	0	156	
MM2	0.0079	0.0224	0.0096	0	

152					11673
	CR1	CR2	MM1	MM2	
CR1	0	312	144	163	
CR2	0.0267	0	316	335	
MM1	0.0123	0.0271	0	143	
MM2	0.0140	0.0287	0.0123	0	

156					16144
	CR1	CR2	MM1	MM2	
CR1	0	363	372	339	
CR2	0.0225	0	245	206	
MM1	0.0230	0.0152	0	189	
MM2	0.0210	0.0128	0.0117	0	

158					10788
	CR1	CR2	MM1	MM2	
CR1	0	232	74	14	
CR2	0.0215	0	244	236	
MM1	0.0069	0.0226	0	75	
MM2	0.0013	0.0219	0.0070	0	

160					11505
	CR1	CR2	MM1	MM2	
CR1	0	273	185	164	
CR2	0.0237	0	276	251	
MM1	0.0161	0.0240	0	174	
MM2	0.0143	0.0218	0.0151	0	

164					14788
	CR1	CR2	MM1	MM2	
CR1	0	166	46	42	
CR2	0.0112	0	156	162	
MM1	0.0031	0.0105	0	44	
MM2	0.0028	0.0110	0.0030	0	

165					13463
	CR1	CR2	MM1	MM2	
CR1	0	197	94	68	
CR2	0.0146	0	187	198	
MM1	0.0070	0.0139	0	94	
MM2	0.0051	0.0147	0.0070	0	

166					21826
	CR1	CR2	MM1	MM2	
CR1	0	444	205	191	
CR2	0.0203	0	467	470	
MM1	0.0094	0.0214	0	188	
MM2	0.0088	0.0215	0.0086	0	
171					13029
	CR1	CR2	MM1	MM2	
CR1	0	124	420	454	
CR2	0.0095	0	383	399	
MM1	0.0322	0.0294	0	258	
MM2	0.0348	0.0306	0.0198	0	
174					10585
	CR1	CR2	MM1	MM2	
CR1	0	278	228	207	
CR2	0.0263	0	316	299	
MM1	0.0215	0.0299	0	172	
MM2	0.0196	0.0282	0.0162	0	
175					12795
	CR1	CR2	MM1	MM2	
CR1	0	325	161	159	
CR2	0.0254	0	320	328	
MM1	0.0126	0.0250	0	133	
MM2	0.0124	0.0256	0.0104	0	
179					13760
	CR1	CR2	MM1	MM2	
CR1	0	202	108	88	
CR2	0.0147	0	216	200	
MM1	0.0078	0.0157	0	101	
MM2	0.0064	0.0145	0.0073	0	
183					14148
	CR1	CR2	MM1	MM2	
CR1	0	373	166	44	
CR2	0.0264	0	380	372	
MM1	0.0117	0.0269	0	154	
MM2	0.0031	0.0263	0.0109	0	
185					10093
	CR1	CR2	MM1	MM2	
CR1	0	270	161	168	
CR2	0.0268	0	251	262	
MM1	0.0160	0.0249	0	129	
MM2	0.0166	0.0260	0.0128	0	

195					9895
	CR1	CR2	MM1	MM2	
CR1	0	271	140	111	
CR2	0.0274	0	288	281	
MM1	0.0141	0.0291	0	151	
MM2	0.0112	0.0284	0.0153	0	

196					18576
	CR1	CR2	MM1	MM2	
CR1	0	478	323	302	
CR2	0.0257	0	469	453	
MM1	0.0174	0.0252	0	222	
MM2	0.0163	0.0244	0.0120	0	

198					13241
	CR1	CR2	MM1	MM2	
CR1	0	419	376	392	
CR2	0.0316	0	250	251	
MM1	0.0284	0.0189	0	202	
MM2	0.0296	0.0190	0.0153	0	

209					10773
	CR1	CR2	MM1	MM2	
CR1	0	239	152	156	
CR2	0.0222	0	233	241	
MM1	0.0141	0.0216	0	163	
MM2	0.0145	0.0224	0.0151	0	

213					9557
	CR1	CR2	MM1	MM2	
CR1	0	207	130	110	
CR2	0.0217	0	219	209	
MM1	0.0136	0.0229	0	133	
MM2	0.0115	0.0219	0.0139	0	

214					10027
	CR1	CR2	MM1	MM2	
CR1	0	306	292	302	
CR2	0.0305	0	222	65	
MM1	0.0291	0.0221	0	246	
MM2	0.0301	0.0065	0.0245	0	

215					11372
	CR1	CR2	MM1	MM2	
CR1	0	250	242	248	
CR2	0.0220	0	114	147	
MM1	0.0213	0.0100	0	166	
MM2	0.0218	0.0129	0.0146	0	

219					9624
	CR1	CR2	MM1	MM2	
CR1	0	159	122	132	
CR2	0.0165	0	185	191	
MM1	0.0127	0.0192	0	24	
MM2	0.0137	0.0198	0.0025	0	

222					10036
	CR1	CR2	MM1	MM2	
CR1	0	186	92	108	
CR2	0.0185	0	194	190	
MM1	0.0092	0.0193	0	86	
MM2	0.0108	0.0189	0.0086	0	

223					13936
	CR1	CR2	MM1	MM2	
CR1	0	218	231	222	
CR2	0.0156	0	118	109	
MM1	0.0166	0.0085	0	143	
MM2	0.0159	0.0078	0.0103	0	

229					8765
	CR1	CR2	MM1	MM2	
CR1	0	202	206	206	
CR2	0.0230	0	89	70	
MM1	0.0235	0.0102	0	91	
MM2	0.0235	0.0080	0.0104	0	

231					7242
	CR1	CR2	MM1	MM2	
CR1	0	130	113	105	
CR2	0.0180	0	147	145	
MM1	0.0156	0.0203	0	94	
MM2	0.0145	0.0200	0.0130	0	

234					10953
	CR1	CR2	MM1	MM2	
CR1	0	254	244	234	
CR2	0.0232	0	118	113	
MM1	0.0223	0.0108	0	93	
MM2	0.0214	0.0103	0.0085	0	

239					11982
	CR1	CR2	MM1	MM2	
CR1	0	235	239	243	
CR2	0.0196	0	129	95	
MM1	0.0199	0.0108	0	122	
MM2	0.0203	0.0079	0.0102	0	

244					7500
	CR1	CR2	MM1	MM2	
CR1	0	11	166	167	
CR2	0.0015	0	159	162	
MM1	0.0221	0.0212	0	69	
MM2	0.0223	0.0216	0.0092	0	

247					10039
	CR1	CR2	MM1	MM2	
CR1	0	228	214	217	
CR2	0.0227	0	84	89	
MM1	0.0213	0.0084	0	113	
MM2	0.0216	0.0089	0.0113	0	

253					11114
	CR1	CR2	MM1	MM2	
CR1	0	162	161	166	
CR2	0.0146	0	1	80	
MM1	0.0145	0.0001	0	79	
MM2	0.0149	0.0072	0.0071	0	

254					25641
	CR1	CR2	MM1	MM2	
CR1	0	672	226	226	
CR2	0.0262	0	693	693	
MM1	0.0088	0.0270	0	0	
MM2	0.0088	0.0270	0.0000	0	

256					11104
	CR1	CR2	MM1	MM2	
CR1	0	300	167	175	
CR2	0.0270	0	302	283	
MM1	0.0150	0.0272	0	154	
MM2	0.0158	0.0255	0.0139	0	

262					7083
	CR1	CR2	MM1	MM2	
CR1	0	6	25	37	
CR2	0.0008	0	29	41	
MM1	0.0035	0.0041	0	39	
MM2	0.0052	0.0058	0.0055	0	

265					12005
	CR1	CR2	MM1	MM2	
CR1	0	170	70	88	
CR2	0.0142	0	155	167	
MM1	0.0058	0.0129	0	94	
MM2	0.0073	0.0139	0.0078	0	

270					10875
	CR1	CR2	MM1	MM2	
CR1	0	183	148	141	
CR2	0.0168	0	201	194	
MM1	0.0136	0.0185	0	121	
MM2	0.0130	0.0178	0.0111	0	
272					10338
	CR1	CR2	MM1	MM2	
CR1	0	207	217	220	
CR2	0.0200	0	89	113	
MM1	0.0210	0.0086	0	105	
MM2	0.0213	0.0109	0.0102	0	
275					10378
	CR1	CR2	MM1	MM2	
CR1	0	176	109	88	
CR2	0.0170	0	178	179	
MM1	0.0105	0.0172	0	98	
MM2	0.0085	0.0172	0.0094	0	
277					20480
	CR1	CR2	MM1	MM2	
CR1	0	461	70	100	
CR2	0.0225	0	453	451	
MM1	0.0034	0.0221	0	152	
MM2	0.0049	0.0220	0.0074	0	
281					11984
	CR1	CR2	MM1	MM2	
CR1	0	346	173	173	
CR2	0.0289	0	330	330	
MM1	0.0144	0.0275	0	0	
MM2	0.0144	0.0275	0.0000	0	
282					9731
	CR1	CR2	MM1	MM2	
CR1	0	209	197	245	
CR2	0.0215	0	115	185	
MM1	0.0202	0.0118	0	178	
MM2	0.0252	0.0190	0.0183	0	
285					12050
	CR1	CR2	MM1	MM2	
CR1	0	22	95	108	
CR2	0.0018	0	87	98	
MM1	0.0079	0.0072	0	87	
MM2	0.0090	0.0081	0.0072	0	

287					15768
	CR1	CR2	MM1	MM2	
CR1	0	331	212	189	
CR2	0.0210	0	360	326	
MM1	0.0134	0.0228	0	219	
MM2	0.0120	0.0207	0.0139	0	
288					12309
	CR1	CR2	MM1	MM2	
CR1	0	228	135	142	
CR2	0.0185	0	222	225	
MM1	0.0110	0.0180	0	129	
MM2	0.0115	0.0183	0.0105	0	
294					10782
	CR1	CR2	MM1	MM2	
CR1	0	39	227	200	
CR2	0.0036	0	222	193	
MM1	0.0211	0.0206	0	170	
MM2	0.0185	0.0179	0.0158	0	
295					6357
	CR1	CR2	MM1	MM2	
CR1	0	97	44	0	
CR2	0.0153	0	101	97	
MM1	0.0069	0.0159	0	44	
MM2	0.0000	0.0153	0.0069	0	
296					11939
	CR1	CR2	MM1	MM2	
CR1	0	170	76	101	
CR2	0.0142	0	176	182	
MM1	0.0064	0.0147	0	82	
MM2	0.0085	0.0152	0.0069	0	
301					12440
	CR1	CR2	MM1	MM2	
CR1	0	1	203	167	
CR2	0.0001	0	202	166	
MM1	0.0163	0.0162	0	143	
MM2	0.0134	0.0133	0.0115	0	
302					10942
	CR1	CR2	MM1	MM2	
CR1	0	65	334	329	
CR2	0.0059	0	284	284	
MM1	0.0305	0.0260	0	190	
MM2	0.0301	0.0260	0.0174	0	

304					9458
	CR1	CR2	MM1	MM2	
CR1	0	52	235	230	
CR2	0.0055	0	233	226	
MM1	0.0248	0.0246	0	126	
MM2	0.0243	0.0239	0.0133	0	

309					12657
	CR1	CR2	MM1	MM2	
CR1	0	248	136	107	
CR2	0.0196	0	240	257	
MM1	0.0107	0.0190	0	85	
MM2	0.0085	0.0203	0.0067	0	

322					9216
	CR1	CR2	MM1	MM2	
CR1	0	229	91	101	
CR2	0.0248	0	211	218	
MM1	0.0099	0.0229	0	87	
MM2	0.0110	0.0237	0.0094	0	

326					7360
	CR1	CR2	MM1	MM2	
CR1	0	167	69	71	
CR2	0.0227	0	171	179	
MM1	0.0094	0.0232	0	84	
MM2	0.0096	0.0243	0.0114	0	

328					10943
	CR1	CR2	MM1	MM2	
CR1	0	273	94	99	
CR2	0.0249	0	285	268	
MM1	0.0086	0.0260	0	113	
MM2	0.0090	0.0245	0.0103	0	

329					8201
	CR1	CR2	MM1	MM2	
CR1	0	229	70	65	
CR2	0.0279	0	217	218	
MM1	0.0085	0.0265	0	62	
MM2	0.0079	0.0266	0.0076	0	

330					7871
	CR1	CR2	MM1	MM2	
CR1	0	324	383	392	
CR2	0.0412	0	190	189	
MM1	0.0487	0.0241	0	97	
MM2	0.0498	0.0240	0.0123	0	

331					11037
	CR1	CR2	MM1	MM2	
CR1	0	322	138	137	
CR2	0.0292	0	300	310	
MM1	0.0125	0.0272	0	138	
MM2	0.0124	0.0281	0.0125	0	

333					9128
	CR1	CR2	MM1	MM2	
CR1	0	156	80	85	
CR2	0.0171	0	159	156	
MM1	0.0088	0.0174	0	77	
MM2	0.0093	0.0171	0.0084	0	

334					13655
	CR1	CR2	MM1	MM2	
CR1	0	289	117	185	
CR2	0.0212	0	296	289	
MM1	0.0086	0.0217	0	172	
MM2	0.0135	0.0212	0.0126	0	

338					10479
	CR1	CR2	MM1	MM2	
CR1	0	269	174	155	
CR2	0.0257	0	269	260	
MM1	0.0166	0.0257	0	149	
MM2	0.0148	0.0248	0.0142	0	

343					16022
	CR1	CR2	MM1	MM2	
CR1	0	256	274	268	
CR2	0.0160	0	120	129	
MM1	0.0171	0.0075	0	115	
MM2	0.0167	0.0081	0.0072	0	

345					11190
	CR1	CR2	MM1	MM2	
CR1	0	271	104	127	
CR2	0.0242	0	280	274	
MM1	0.0093	0.0250	0	137	
MM2	0.0113	0.0245	0.0122	0	

346					8088
	CR1	CR2	MM1	MM2	
CR1	0	278	302	268	
CR2	0.0344	0	149	148	
MM1	0.0373	0.0184	0	193	
MM2	0.0331	0.0183	0.0239	0	

348					11017
	CR1	CR2	MM1	MM2	
CR1	0	354	364	364	
CR2	0.0321	0	172	172	
MM1	0.0330	0.0156	0	0	
MM2	0.0330	0.0156	0.0000	0	
352					11430
	CR1	CR2	MM1	MM2	
CR1	0	16	131	152	
CR2	0.0014	0	115	136	
MM1	0.0115	0.0101	0	73	
MM2	0.0133	0.0119	0.0064	0	
353					11501
	CR1	CR2	MM1	MM2	
CR1	0	0	347	347	
CR2	0.0000	0	347	347	
MM1	0.0302	0.0302	0	153	
MM2	0.0302	0.0302	0.0133	0	
354					17127
	CR1	CR2	MM1	MM2	
CR1	0	414	232	285	
CR2	0.0242	0	401	383	
MM1	0.0135	0.0234	0	218	
MM2	0.0166	0.0224	0.0127	0	
355					20986
	CR1	CR2	MM1	MM2	
CR1	0	407	188	205	
CR2	0.0194	0	379	419	
MM1	0.0090	0.0181	0	240	
MM2	0.0098	0.0200	0.0114	0	
356					7532
	CR1	CR2	MM1	MM2	
CR1	0	117	25	37	
CR2	0.0155	0	114	117	
MM1	0.0033	0.0151	0	26	
MM2	0.0049	0.0155	0.0035	0	
358					6162
	CR1	CR2	MM1	MM2	
CR1	0	140	69	86	
CR2	0.0227	0	135	142	
MM1	0.0112	0.0219	0	80	
MM2	0.0140	0.0230	0.0130	0	

359					8294
	CR1	CR2	MM1	MM2	
CR1	0	163	97	0	
CR2	0.0197	0	170	163	
MM1	0.0117	0.0205	0	97	
MM2	0.0000	0.0197	0.0117	0	

368					13707
	CR1	CR2	MM1	MM2	
CR1	0	255	273	250	
CR2	0.0186	0	115	130	
MM1	0.0199	0.0084	0	134	
MM2	0.0182	0.0095	0.0098	0	

383					15898
	CR1	CR2	MM1	MM2	
CR1	0	229	276	274	
CR2	0.0144	0	168	136	
MM1	0.0174	0.0106	0	138	
MM2	0.0172	0.0086	0.0087	0	

387					19393
	CR1	CR2	MM1	MM2	
CR1	0	423	413	395	
CR2	0.0218	0	135	171	
MM1	0.0213	0.0070	0	155	
MM2	0.0204	0.0088	0.0080	0	

389					10214
	CR1	CR2	MM1	MM2	
CR1	0	280	271	277	
CR2	0.0274	0	15	126	
MM1	0.0265	0.0015	0	123	
MM2	0.0271	0.0123	0.0120	0	

390					10128
	CR1	CR2	MM1	MM2	
CR1	0	254	138	127	
CR2	0.0251	0	228	256	
MM1	0.0136	0.0225	0	141	
MM2	0.0125	0.0253	0.0139	0	

400					12857
	CR1	CR2	MM1	MM2	
CR1	0	227	231	248	
CR2	0.0177	0	72	118	
MM1	0.0180	0.0056	0	116	
MM2	0.0193	0.0092	0.0090	0	

401					10379
	CR1	CR2	MM1	MM2	
CR1	0	178	197	189	
CR2	0.0172	0	90	69	
MM1	0.0190	0.0087	0	92	
MM2	0.0182	0.0066	0.0089	0	

402					20309
	CR1	CR2	MM1	MM2	
CR1	0	401	247	211	
CR2	0.0197	0	374	384	
MM1	0.0122	0.0184	0	234	
MM2	0.0104	0.0189	0.0115	0	

403					13564
	CR1	CR2	MM1	MM2	
CR1	0	3	447	475	
CR2	0.0002	0	444	472	
MM1	0.0330	0.0327	0	192	
MM2	0.0350	0.0348	0.0142	0	

408					19578
	CR1	CR2	MM1	MM2	
CR1	0	321	179	190	
CR2	0.0164	0	362	339	
MM1	0.0091	0.0185	0	194	
MM2	0.0097	0.0173	0.0099	0	

411					8680
	CR1	CR2	MM1	MM2	
CR1	0	37	191	194	
CR2	0.0043	0	218	221	
MM1	0.0220	0.0251	0	94	
MM2	0.0224	0.0255	0.0108	0	

414					8864
	CR1	CR2	MM1	MM2	
CR1	0	237	128	109	
CR2	0.0267	0	235	245	
MM1	0.0144	0.0265	0	110	
MM2	0.0123	0.0276	0.0124	0	

418					7433
	CR1	CR2	MM1	MM2	
CR1	0	93	36	37	
CR2	0.0125	0	95	98	
MM1	0.0048	0.0128	0	28	
MM2	0.0050	0.0132	0.0038	0	

419					10035
	CR1	CR2	MM1	MM2	
CR1	0	159	88	91	
CR2	0.0158	0	160	160	
MM1	0.0088	0.0159	0	77	
MM2	0.0091	0.0159	0.0077	0	

420					17666
	CR1	CR2	MM1	MM2	
CR1	0	385	134	152	
CR2	0.0218	0	393	409	
MM1	0.0076	0.0222	0	73	
MM2	0.0086	0.0232	0.0041	0	

423					9879
	CR1	CR2	MM1	MM2	
CR1	0	292	288	289	
CR2	0.0296	0	52	123	
MM1	0.0292	0.0053	0	97	
MM2	0.0293	0.0125	0.0098	0	

427					12276
	CR1	CR2	MM1	MM2	
CR1	0	253	165	167	
CR2	0.0206	0	284	279	
MM1	0.0134	0.0231	0	108	
MM2	0.0136	0.0227	0.0088	0	

430					13088
	CR1	CR2	MM1	MM2	
CR1	0	236	165	196	
CR2	0.0180	0	318	307	
MM1	0.0126	0.0243	0	190	
MM2	0.0150	0.0235	0.0145	0	

431					13966
	CR1	CR2	MM1	MM2	
CR1	0	229	214	225	
CR2	0.0164	0	84	80	
MM1	0.0153	0.0060	0	83	
MM2	0.0161	0.0057	0.0059	0	

442					13390
	CR1	CR2	MM1	MM2	
CR1	0	290	136	155	
CR2	0.0217	0	307	316	
MM1	0.0102	0.0229	0	174	
MM2	0.0116	0.0236	0.0130	0	

443					8111
	CR1	CR2	MM1	MM2	
CR1	0	51	253	241	
CR2	0.0063	0	232	206	
MM1	0.0312	0.0286	0	133	
MM2	0.0297	0.0254	0.0164	0	
448					11735
	CR1	CR2	MM1	MM2	
CR1	0	195	84	91	
CR2	0.0166	0	180	192	
MM1	0.0072	0.0153	0	70	
MM2	0.0078	0.0164	0.0060	0	
450					11274
	CR1	CR2	MM1	MM2	
CR1	0	111	42	48	
CR2	0.0098	0	113	119	
MM1	0.0037	0.0100	0	50	
MM2	0.0043	0.0106	0.0044	0	
452					12186
	CR1	CR2	MM1	MM2	
CR1	0	267	118	133	
CR2	0.0219	0	257	260	
MM1	0.0097	0.0211	0	124	
MM2	0.0109	0.0213	0.0102	0	
454					8469
	CR1	CR2	MM1	MM2	
CR1	0	158	59	56	
CR2	0.0187	0	154	158	
MM1	0.0070	0.0182	0	47	
MM2	0.0066	0.0187	0.0055	0	
455					4511
	CR1	CR2	MM1	MM2	
CR1	0	25	57	59	
CR2	0.0055	0	66	68	
MM1	0.0126	0.0146	0	48	
MM2	0.0131	0.0151	0.0106	0	
460					10467
	CR1	CR2	MM1	MM2	
CR1	0	149	30	15	
CR2	0.0142	0	153	149	
MM1	0.0029	0.0146	0	33	
MM2	0.0014	0.0142	0.0032	0	

462					18890
	CR1	CR2	MM1	MM2	
CR1	0	294	89	145	
CR2	0.0156	0	290	305	
MM1	0.0047	0.0154	0	128	
MM2	0.0077	0.0161	0.0068	0	
465					17341
	CR1	CR2	MM1	MM2	
CR1	0	349	366	383	
CR2	0.0201	0	195	192	
MM1	0.0211	0.0112	0	203	
MM2	0.0221	0.0111	0.0117	0	
467					21282
	CR1	CR2	MM1	MM2	
CR1	0	334	163	193	
CR2	0.0157	0	374	382	
MM1	0.0077	0.0176	0	161	
MM2	0.0091	0.0179	0.0076	0	
471					13367
	CR1	CR2	MM1	MM2	
CR1	0	228	130	136	
CR2	0.0171	0	214	219	
MM1	0.0097	0.0160	0	111	
MM2	0.0102	0.0164	0.0083	0	
473					14424
	CR1	CR2	MM1	MM2	
CR1	0	58	218	186	
CR2	0.0040	0	180	128	
MM1	0.0151	0.0125	0	168	
MM2	0.0129	0.0089	0.0116	0	
475					11040
	CR1	CR2	MM1	MM2	
CR1	0	279	156	156	
CR2	0.0253	0	255	255	
MM1	0.0141	0.0231	0	0	
MM2	0.0141	0.0231	0.0000	0	
480					10203
	CR1	CR2	MM1	MM2	
CR1	0	152	150	150	
CR2	0.0149	0	108	102	
MM1	0.0147	0.0106	0	111	
MM2	0.0147	0.0100	0.0109	0	

481					11111
	CR1	CR2	MM1	MM2	
CR1	0	272	175	177	
CR2	0.0245	0	286	286	
MM1	0.0158	0.0257	0	10	
MM2	0.0159	0.0257	0.0009	0	

484					18068
	CR1	CR2	MM1	MM2	
CR1	0	444	256	256	
CR2	0.0246	0	468	468	
MM1	0.0142	0.0259	0	0	
MM2	0.0142	0.0259	0.0000	0	

485					10649
	CR1	CR2	MM1	MM2	
CR1	0	244	255	252	
CR2	0.0229	0	141	139	
MM1	0.0239	0.0132	0	159	
MM2	0.0237	0.0131	0.0149	0	

488					15140
	CR1	CR2	MM1	MM2	
CR1	0	403	174	174	
CR2	0.0266	0	380	397	
MM1	0.0115	0.0251	0	193	
MM2	0.0115	0.0262	0.0127	0	

489					10412
	CR1	CR2	MM1	MM2	
CR1	0	255	267	254	
CR2	0.0245	0	96	127	
MM1	0.0256	0.0092	0	130	
MM2	0.0244	0.0122	0.0125	0	

490					8303
	CR1	CR2	MM1	MM2	
CR1	0	82	42	30	
CR2	0.0099	0	87	82	
MM1	0.0051	0.0105	0	44	
MM2	0.0036	0.0099	0.0053	0	

491					12604
	CR1	CR2	MM1	MM2	
CR1	0	284	188	188	
CR2	0.0225	0	301	301	
MM1	0.0149	0.0239	0	0	
MM2	0.0149	0.0239	0.0000	0	

494					15117
	CR1	CR2	MM1	MM2	
CR1	0	373	236	233	
CR2	0.0247	0	378	381	
MM1	0.0156	0.0250	0	178	
MM2	0.0154	0.0252	0.0118	0	
497					12598
	CR1	CR2	MM1	MM2	
CR1	0	297	150	154	
CR2	0.0236	0	292	316	
MM1	0.0119	0.0232	0	160	
MM2	0.0122	0.0251	0.0127	0	
498					10360
	CR1	CR2	MM1	MM2	
CR1	0	300	129	166	
CR2	0.0290	0	308	302	
MM1	0.0125	0.0297	0	139	
MM2	0.0160	0.0292	0.0134	0	
499					17242
	CR1	CR2	MM1	MM2	
CR1	0	164	138	123	
CR2	0.0095	0	234	240	
MM1	0.0080	0.0136	0	134	
MM2	0.0071	0.0139	0.0078	0	
501					9410
	CR1	CR2	MM1	MM2	
CR1	0	234	145	96	
CR2	0.0249	0	251	227	
MM1	0.0154	0.0267	0	141	
MM2	0.0102	0.0241	0.0150	0	
502					22996
	CR1	CR2	MM1	MM2	
CR1	0	449	274	280	
CR2	0.0195	0	448	464	
MM1	0.0119	0.0195	0	283	
MM2	0.0122	0.0202	0.0123	0	
504					11864
	CR1	CR2	MM1	MM2	
CR1	0	300	175	209	
CR2	0.0253	0	321	304	
MM1	0.0148	0.0271	0	208	
MM2	0.0176	0.0256	0.0175	0	

505					8434
	CR1	CR2	MM1	MM2	
CR1	0	209	202	203	
CR2	0.0248	0	135	146	
MM1	0.0240	0.0160	0	145	
MM2	0.0241	0.0173	0.0172	0	

509					9248
	CR1	CR2	MM1	MM2	
CR1	0	156	84	58	
CR2	0.0169	0	167	162	
MM1	0.0091	0.0181	0	79	
MM2	0.0063	0.0175	0.0085	0	

511					15456
	CR1	CR2	MM1	MM2	
CR1	0	280	141	158	
CR2	0.0181	0	283	290	
MM1	0.0091	0.0183	0	139	
MM2	0.0102	0.0188	0.0090	0	

512					10544
	CR1	CR2	MM1	MM2	
CR1	0	264	142	142	
CR2	0.0250	0	230	237	
MM1	0.0135	0.0218	0	110	
MM2	0.0135	0.0225	0.0104	0	

517					15997
	CR1	CR2	MM1	MM2	
CR1	0	321	28	89	
CR2	0.0201	0	327	327	
MM1	0.0018	0.0204	0	101	
MM2	0.0056	0.0204	0.0063	0	

518					7783
	CR1	CR2	MM1	MM2	
CR1	0	103	50	67	
CR2	0.0132	0	111	119	
MM1	0.0064	0.0143	0	53	
MM2	0.0086	0.0153	0.0068	0	

524					15766
	CR1	CR2	MM1	MM2	
CR1	0	332	28	3	
CR2	0.0211	0	336	331	
MM1	0.0018	0.0213	0	25	
MM2	0.0002	0.0210	0.0016	0	

526					10699
	CR1	CR2	MM1	MM2	
CR1	0	8	158	164	
CR2	0.0007	0	162	168	
MM1	0.0148	0.0151	0	58	
MM2	0.0153	0.0157	0.0054	0	
527					24425
	CR1	CR2	MM1	MM2	
CR1	0	282	241	224	
CR2	0.0115	0	420	412	
MM1	0.0099	0.0172	0	194	
MM2	0.0092	0.0169	0.0079	0	
528					11592
	CR1	CR2	MM1	MM2	
CR1	0	357	382	373	
CR2	0.0308	0	184	206	
MM1	0.0330	0.0159	0	228	
MM2	0.0322	0.0178	0.0197	0	
529					8857
	CR1	CR2	MM1	MM2	
CR1	0	242	104	119	
CR2	0.0273	0	240	233	
MM1	0.0117	0.0271	0	115	
MM2	0.0134	0.0263	0.0130	0	
531					7832
	CR1	CR2	MM1	MM2	
CR1	0	0	238	257	
CR2	0.0000	0	238	257	
MM1	0.0304	0.0304	0	141	
MM2	0.0328	0.0328	0.0180	0	
532					12360
	CR1	CR2	MM1	MM2	
CR1	0	281	222	218	
CR2	0.0227	0	183	181	
MM1	0.0180	0.0148	0	94	
MM2	0.0176	0.0146	0.0076	0	
535					7805
	CR1	CR2	MM1	MM2	
CR1	0	151	68	72	
CR2	0.0193	0	146	136	
MM1	0.0087	0.0187	0	60	
MM2	0.0092	0.0174	0.0077	0	

537					9154
	CR1	CR2	MM1	MM2	
CR1	0	307	159	207	
CR2	0.0335	0	296	300	
MM1	0.0174	0.0323	0	168	
MM2	0.0226	0.0328	0.0184	0	
538					19784
	CR1	CR2	MM1	MM2	
CR1	0	360	165	89	
CR2	0.0182	0	356	373	
MM1	0.0083	0.0180	0	162	
MM2	0.0045	0.0189	0.0082	0	
546					17100
	CR1	CR2	MM1	MM2	
CR1	0	491	340	240	
CR2	0.0287	0	477	475	
MM1	0.0199	0.0279	0	185	
MM2	0.0140	0.0278	0.0108	0	
551					12174
	CR1	CR2	MM1	MM2	
CR1	0	253	268	296	
CR2	0.0208	0	146	158	
MM1	0.0220	0.0120	0	184	
MM2	0.0243	0.0130	0.0151	0	
552					9455
	CR1	CR2	MM1	MM2	
CR1	0	245	245	276	
CR2	0.0259	0	0	143	
MM1	0.0259	0.0000	0	143	
MM2	0.0292	0.0151	0.0151	0	
555					10732
	CR1	CR2	MM1	MM2	
CR1	0	194	95	97	
CR2	0.0181	0	204	190	
MM1	0.0089	0.0190	0	115	
MM2	0.0090	0.0177	0.0107	0	
556					10452
	CR1	CR2	MM1	MM2	
CR1	0	300	112	128	
CR2	0.0287	0	298	305	
MM1	0.0107	0.0285	0	128	
MM2	0.0122	0.0292	0.0122	0	

561					9721
	CR1	CR2	MM1	MM2	
CR1	0	151	70	76	
CR2	0.0155	0	150	154	
MM1	0.0072	0.0154	0	64	
MM2	0.0078	0.0158	0.0066	0	

562					8076
	CR1	CR2	MM1	MM2	
CR1	0	191	59	60	
CR2	0.0237	0	184	203	
MM1	0.0073	0.0228	0	51	
MM2	0.0074	0.0251	0.0063	0	

567					11206
	CR1	CR2	MM1	MM2	
CR1	0	0	216	241	
CR2	0.0000	0	216	241	
MM1	0.0193	0.0193	0	205	
MM2	0.0215	0.0215	0.0183	0	

572					10781
	CR1	CR2	MM1	MM2	
CR1	0	243	162	211	
CR2	0.0225	0	219	236	
MM1	0.0150	0.0203	0	168	
MM2	0.0196	0.0219	0.0156	0	

576					13040
	CR1	CR2	MM1	MM2	
CR1	0	163	164	166	
CR2	0.0125	0	76	77	
MM1	0.0126	0.0058	0	33	
MM2	0.0127	0.0059	0.0025	0	

577					7585
	CR1	CR2	MM1	MM2	
CR1	0	0	232	256	
CR2	0.0000	0	232	256	
MM1	0.0306	0.0306	0	105	
MM2	0.0338	0.0338	0.0138	0	

590					9830
	CR1	CR2	MM1	MM2	
CR1	0	228	69	71	
CR2	0.0232	0	229	223	
MM1	0.0070	0.0233	0	89	
MM2	0.0072	0.0227	0.0091	0	

597					9847
	CR1	CR2	MM1	MM2	
CR1	0	171	231	226	
CR2	0.0174	0	311	316	
MM1	0.0235	0.0316	0	119	
MM2	0.0230	0.0321	0.0121	0	

598					16051
	CR1	CR2	MM1	MM2	
CR1	0	297	389	390	
CR2	0.0185	0	215	263	
MM1	0.0242	0.0134	0	300	
MM2	0.0243	0.0164	0.0187	0	

600					16771
	CR1	CR2	MM1	MM2	
CR1	0	173	159	180	
CR2	0.0103	0	260	264	
MM1	0.0095	0.0155	0	157	
MM2	0.0107	0.0157	0.0094	0	

601					10544
	CR1	CR2	MM1	MM2	
CR1	0	268	145	144	
CR2	0.0254	0	262	280	
MM1	0.0138	0.0248	0	97	
MM2	0.0137	0.0266	0.0092	0	

602					11210
	CR1	CR2	MM1	MM2	
CR1	0	115	33	36	
CR2	0.0103	0	126	122	
MM1	0.0029	0.0112	0	35	
MM2	0.0032	0.0109	0.0031	0	

606					7019
	CR1	CR2	MM1	MM2	
CR1	0	139	148	146	
CR2	0.0198	0	51	21	
MM1	0.0211	0.0073	0	42	
MM2	0.0208	0.0030	0.0060	0	

608					14808
	CR1	CR2	MM1	MM2	
CR1	0	357	173	144	
CR2	0.0241	0	367	369	
MM1	0.0117	0.0248	0	177	
MM2	0.0097	0.0249	0.0120	0	

613					12015
	CR1	CR2	MM1	MM2	
CR1	0	296	131	150	
CR2	0.0246	0	309	294	
MM1	0.0109	0.0257	0	181	
MM2	0.0125	0.0245	0.0151	0	

614					8468
	CR1	CR2	MM1	MM2	
CR1	0	108	111	116	
CR2	0.0128	0	41	58	
MM1	0.0131	0.0048	0	60	
MM2	0.0137	0.0068	0.0071	0	

616					9424
	CR1	CR2	MM1	MM2	
CR1	0	119	45	44	
CR2	0.0126	0	121	111	
MM1	0.0048	0.0128	0	37	
MM2	0.0047	0.0118	0.0039	0	

619					7822
	CR1	CR2	MM1	MM2	
CR1	0	205	203	194	
CR2	0.0262	0	48	86	
MM1	0.0260	0.0061	0	110	
MM2	0.0248	0.0110	0.0141	0	

620					11687
	CR1	CR2	MM1	MM2	
CR1	0	158	74	78	
CR2	0.0135	0	156	150	
MM1	0.0063	0.0133	0	74	
MM2	0.0067	0.0128	0.0063	0	

621					12921
	CR1	CR2	MM1	MM2	
CR1	0	300	109	78	
CR2	0.0232	0	303	300	
MM1	0.0084	0.0235	0	58	
MM2	0.0060	0.0232	0.0045	0	

623					10995
	CR1	CR2	MM1	MM2	
CR1	0	258	181	77	
CR2	0.0235	0	285	276	
MM1	0.0165	0.0259	0	164	
MM2	0.0070	0.0251	0.0149	0	

627					10662
	CR1	CR2	MM1	MM2	
CR1	0	204	86	83	
CR2	0.0191	0	200	193	
MM1	0.0081	0.0188	0	55	
MM2	0.0078	0.0181	0.0052	0	

628					10148
	CR1	CR2	MM1	MM2	
CR1	0	304	214	209	
CR2	0.0300	0	282	277	
MM1	0.0211	0.0278	0	15	
MM2	0.0206	0.0273	0.0015	0	

629					11164
	CR1	CR2	MM1	MM2	
CR1	0	261	248	249	
CR2	0.0234	0	157	147	
MM1	0.0222	0.0141	0	62	
MM2	0.0223	0.0132	0.0056	0	

630					10567
	CR1	CR2	MM1	MM2	
CR1	0	284	129	158	
CR2	0.0269	0	291	309	
MM1	0.0122	0.0275	0	130	
MM2	0.0150	0.0292	0.0123	0	

633					21382
	CR1	CR2	MM1	MM2	
CR1	0	491	216	195	
CR2	0.0230	0	512	498	
MM1	0.0101	0.0239	0	172	
MM2	0.0091	0.0233	0.0080	0	

636					4631
	CR1	CR2	MM1	MM2	
CR1	0	142	95	116	
CR2	0.0307	0	157	167	
MM1	0.0205	0.0339	0	95	
MM2	0.0250	0.0361	0.0205	0	

637					8889
	CR1	CR2	MM1	MM2	
CR1	0	161	178	178	
CR2	0.0181	0	68	68	
MM1	0.0200	0.0076	0	0	
MM2	0.0200	0.0076	0.0000	0	

642					7163
	CR1	CR2	MM1	MM2	
CR1	0	198	197	210	
CR2	0.0276	0	39	88	
MM1	0.0275	0.0054	0	73	
MM2	0.0293	0.0123	0.0102	0	
644					12909
	CR1	CR2	MM1	MM2	
CR1	0	261	254	232	
CR2	0.0202	0	153	99	
MM1	0.0197	0.0119	0	122	
MM2	0.0180	0.0077	0.0095	0	
645					11075
	CR1	CR2	MM1	MM2	
CR1	0	202	44	77	
CR2	0.0182	0	197	198	
MM1	0.0040	0.0178	0	72	
MM2	0.0070	0.0179	0.0065	0	
647					10387
	CR1	CR2	MM1	MM2	
CR1	0	198	199	206	
CR2	0.0191	0	91	124	
MM1	0.0192	0.0088	0	72	
MM2	0.0198	0.0119	0.0069	0	
651					9782
	CR1	CR2	MM1	MM2	
CR1	0	239	138	106	
CR2	0.0244	0	250	229	
MM1	0.0141	0.0256	0	136	
MM2	0.0108	0.0234	0.0139	0	
654					13332
	CR1	CR2	MM1	MM2	
CR1	0	271	175	140	
CR2	0.0203	0	270	274	
MM1	0.0131	0.0203	0	178	
MM2	0.0105	0.0206	0.0134	0	
657					7560
	CR1	CR2	MM1	MM2	
CR1	0	78	120	126	
CR2	0.0103	0	111	106	
MM1	0.0159	0.0147	0	67	
MM2	0.0167	0.0140	0.0089	0	

658					15046
	CR1	CR2	MM1	MM2	
CR1	0	377	146	134	
CR2	0.0251	0	361	384	
MM1	0.0097	0.0240	0	177	
MM2	0.0089	0.0255	0.0118	0	
661					9874
	CR1	CR2	MM1	MM2	
CR1	0	201	143	135	
CR2	0.0204	0	198	185	
MM1	0.0145	0.0201	0	132	
MM2	0.0137	0.0187	0.0134	0	
662					8336
	CR1	CR2	MM1	MM2	
CR1	0	188	104	98	
CR2	0.0226	0	169	181	
MM1	0.0125	0.0203	0	80	
MM2	0.0118	0.0217	0.0096	0	
663					15787
	CR1	CR2	MM1	MM2	
CR1	0	192	283	268	
CR2	0.0122	0	143	136	
MM1	0.0179	0.0091	0	156	
MM2	0.0170	0.0086	0.0099	0	
664					14040
	CR1	CR2	MM1	MM2	
CR1	0	402	174	186	
CR2	0.0286	0	382	405	
MM1	0.0124	0.0272	0	211	
MM2	0.0132	0.0288	0.0150	0	
665					12663
	CR1	CR2	MM1	MM2	
CR1	0	189	106	78	
CR2	0.0149	0	182	185	
MM1	0.0084	0.0144	0	92	
MM2	0.0062	0.0146	0.0073	0	
669					12488
	CR1	CR2	MM1	MM2	
CR1	0	233	125	106	
CR2	0.0187	0	237	219	
MM1	0.0100	0.0190	0	120	
MM2	0.0085	0.0175	0.0096	0	

671					12466
	CR1	CR2	MM1	MM2	
CR1	0	207	197	194	
CR2	0.0166	0	72	73	
MM1	0.0158	0.0058	0	44	
MM2	0.0156	0.0059	0.0035	0	

672					10656
	CR1	CR2	MM1	MM2	
CR1	0	172	73	80	
CR2	0.0161	0	172	172	
MM1	0.0069	0.0161	0	87	
MM2	0.0075	0.0161	0.0082	0	

674					7711
	CR1	CR2	MM1	MM2	
CR1	0	151	78	78	
CR2	0.0196	0	141	141	
MM1	0.0101	0.0183	0	0	
MM2	0.0101	0.0183	0.0000	0	

675					10763
	CR1	CR2	MM1	MM2	
CR1	0	203	62	72	
CR2	0.0189	0	213	218	
MM1	0.0058	0.0198	0	70	
MM2	0.0067	0.0203	0.0065	0	

676					21441
	CR1	CR2	MM1	MM2	
CR1	0	552	555	542	
CR2	0.0257	0	124	396	
MM1	0.0259	0.0058	0	374	
MM2	0.0253	0.0185	0.0174	0	

678					9152
	CR1	CR2	MM1	MM2	
CR1	0	275	184	211	
CR2	0.0300	0	305	305	
MM1	0.0201	0.0333	0	158	
MM2	0.0231	0.0333	0.0173	0	

682					8363
	CR1	CR2	MM1	MM2	
CR1	0	183	115	114	
CR2	0.0219	0	185	195	
MM1	0.0138	0.0221	0	124	
MM2	0.0136	0.0233	0.0148	0	

686					13838
	CR1	CR2	MM1	MM2	
CR1	0	104	195	175	
CR2	0.0075	0	179	149	
MM1	0.0141	0.0129	0	123	
MM2	0.0126	0.0108	0.0089	0	

692					16302
	CR1	CR2	MM1	MM2	
CR1	0	292	295	280	
CR2	0.0179	0	110	93	
MM1	0.0181	0.0067	0	103	
MM2	0.0172	0.0057	0.0063	0	

693					13523
	CR1	CR2	MM1	MM2	
CR1	0	324	310	318	
CR2	0.0240	0	145	105	
MM1	0.0229	0.0107	0	136	
MM2	0.0235	0.0078	0.0101	0	

694					10238
	CR1	CR2	MM1	MM2	
CR1	0	154	145	149	
CR2	0.0150	0	77	75	
MM1	0.0142	0.0075	0	65	
MM2	0.0146	0.0073	0.0063	0	

695					10709
	CR1	CR2	MM1	MM2	
CR1	0	310	161	162	
CR2	0.0289	0	316	318	
MM1	0.0150	0.0295	0	191	
MM2	0.0151	0.0297	0.0178	0	

701					15104
	CR1	CR2	MM1	MM2	
CR1	0	286	127	135	
CR2	0.0189	0	307	296	
MM1	0.0084	0.0203	0	172	
MM2	0.0089	0.0196	0.0114	0	

702					21143
	CR1	CR2	MM1	MM2	
CR1	0	369	359	370	
CR2	0.0175	0	185	166	
MM1	0.0170	0.0087	0	215	
MM2	0.0175	0.0079	0.0102	0	

704					15102
	CR1	CR2	MM1	MM2	
CR1	0	260	158	254	
CR2	0.0172	0	310	333	
MM1	0.0105	0.0205	0	180	
MM2	0.0168	0.0221	0.0119	0	
707					12070
	CR1	CR2	MM1	MM2	
CR1	0	260	259	252	
CR2	0.0215	0	116	133	
MM1	0.0215	0.0096	0	125	
MM2	0.0209	0.0110	0.0104	0	
708					11536
	CR1	CR2	MM1	MM2	
CR1	0	129	68	81	
CR2	0.0112	0	125	140	
MM1	0.0059	0.0108	0	79	
MM2	0.0070	0.0121	0.0068	0	
712					10497
	CR1	CR2	MM1	MM2	
CR1	0	155	67	68	
CR2	0.0148	0	149	150	
MM1	0.0064	0.0142	0	50	
MM2	0.0065	0.0143	0.0048	0	
713					12310
	CR1	CR2	MM1	MM2	
CR1	0	277	106	117	
CR2	0.0225	0	281	280	
MM1	0.0086	0.0228	0	146	
MM2	0.0095	0.0227	0.0119	0	
714					9182
	CR1	CR2	MM1	MM2	
CR1	0	133	141	141	
CR2	0.0145	0	61	59	
MM1	0.0154	0.0066	0	63	
MM2	0.0154	0.0064	0.0069	0	
716					8885
	CR1	CR2	MM1	MM2	
CR1	0	182	202	197	
CR2	0.0205	0	68	44	
MM1	0.0227	0.0077	0	80	
MM2	0.0222	0.0050	0.0090	0	

719					10985
	CR1	CR2	MM1	MM2	
CR1	0	324	152	130	
CR2	0.0295	0	348	330	
MM1	0.0138	0.0317	0	146	
MM2	0.0118	0.0300	0.0133	0	

720					7592
	CR1	CR2	MM1	MM2	
CR1	0	147	139	138	
CR2	0.0194	0	80	60	
MM1	0.0183	0.0105	0	61	
MM2	0.0182	0.0079	0.0080	0	

721					11556
	CR1	CR2	MM1	MM2	
CR1	0	225	112	148	
CR2	0.0195	0	222	200	
MM1	0.0097	0.0192	0	152	
MM2	0.0128	0.0173	0.0132	0	

728					12618
	CR1	CR2	MM1	MM2	
CR1	0	311	179	146	
CR2	0.0246	0	330	301	
MM1	0.0142	0.0262	0	33	
MM2	0.0116	0.0239	0.0026	0	

733					7857
	CR1	CR2	MM1	MM2	
CR1	0	179	111	111	
CR2	0.0228	0	181	183	
MM1	0.0141	0.0230	0	12	
MM2	0.0141	0.0233	0.0015	0	

737					14103
	CR1	CR2	MM1	MM2	
CR1	0	302	167	153	
CR2	0.0214	0	257	295	
MM1	0.0118	0.0182	0	156	
MM2	0.0108	0.0209	0.0111	0	

738					13997
	CR1	CR2	MM1	MM2	
CR1	0	370	184	160	
CR2	0.0264	0	371	377	
MM1	0.0131	0.0265	0	156	
MM2	0.0114	0.0269	0.0111	0	

739					14691
	CR1	CR2	MM1	MM2	
CR1	0	376	139	169	
CR2	0.0256	0	398	367	
MM1	0.0095	0.0271	0	161	
MM2	0.0115	0.0250	0.0110	0	
740					11346
	CR1	CR2	MM1	MM2	
CR1	0	65	81	123	
CR2	0.0057	0	139	177	
MM1	0.0071	0.0123	0	128	
MM2	0.0108	0.0156	0.0113	0	
742					9985
	CR1	CR2	MM1	MM2	
CR1	0	196	77	62	
CR2	0.0196	0	191	192	
MM1	0.0077	0.0191	0	80	
MM2	0.0062	0.0192	0.0080	0	
743					10055
	CR1	CR2	MM1	MM2	
CR1	0	192	160	147	
CR2	0.0191	0	223	222	
MM1	0.0159	0.0222	0	108	
MM2	0.0146	0.0221	0.0107	0	
745					11006
	CR1	CR2	MM1	MM2	
CR1	0	190	99	99	
CR2	0.0173	0	200	200	
MM1	0.0090	0.0182	0	0	
MM2	0.0090	0.0182	0.0000	0	
746					11187
	CR1	CR2	MM1	MM2	
CR1	0	134	132	140	
CR2	0.0120	0	43	55	
MM1	0.0118	0.0038	0	56	
MM2	0.0125	0.0049	0.0050	0	
747					24512
	CR1	CR2	MM1	MM2	
CR1	0	530	250	260	
CR2	0.0216	0	497	522	
MM1	0.0102	0.0203	0	217	
MM2	0.0106	0.0213	0.0089	0	

750					15145
	CR1	CR2	MM1	MM2	
CR1	0	221	175	34	
CR2	0.0146	0	237	218	
MM1	0.0116	0.0156	0	197	
MM2	0.0022	0.0144	0.0130	0	
754					10027
	CR1	CR2	MM1	MM2	
CR1	0	208	56	56	
CR2	0.0207	0	218	218	
MM1	0.0056	0.0217	0	0	
MM2	0.0056	0.0217	0.0000	0	
755					11612
	CR1	CR2	MM1	MM2	
CR1	0	167	76	70	
CR2	0.0144	0	171	166	
MM1	0.0065	0.0147	0	74	
MM2	0.0060	0.0143	0.0064	0	
756					14462
	CR1	CR2	MM1	MM2	
CR1	0	355	127	127	
CR2	0.0245	0	358	351	
MM1	0.0088	0.0248	0	125	
MM2	0.0088	0.0243	0.0086	0	
763					12078
	CR1	CR2	MM1	MM2	
CR1	0	152	56	62	
CR2	0.0126	0	147	147	
MM1	0.0046	0.0122	0	42	
MM2	0.0051	0.0122	0.0035	0	
764					12008
	CR1	CR2	MM1	MM2	
CR1	0	40	191	235	
CR2	0.0033	0	210	257	
MM1	0.0159	0.0175	0	202	
MM2	0.0196	0.0214	0.0168	0	
765					30288
	CR1	CR2	MM1	MM2	
CR1	0	710	252	289	
CR2	0.0234	0	739	684	
MM1	0.0083	0.0244	0	310	
MM2	0.0095	0.0226	0.0102	0	

766					12364
	CR1	CR2	MM1	MM2	
CR1	0	325	301	322	
CR2	0.0263	0	118	139	
MM1	0.0243	0.0095	0	144	
MM2	0.0260	0.0112	0.0116	0	

768					9791
	CR1	CR2	MM1	MM2	
CR1	0	302	59	117	
CR2	0.0308	0	309	305	
MM1	0.0060	0.0316	0	158	
MM2	0.0119	0.0312	0.0161	0	

774					5683
	CR1	CR2	MM1	MM2	
CR1	0	100	111	106	
CR2	0.0176	0	60	70	
MM1	0.0195	0.0106	0	61	
MM2	0.0187	0.0123	0.0107	0	

775					14694
	CR1	CR2	MM1	MM2	
CR1	0	283	283	275	
CR2	0.0193	0	0	140	
MM1	0.0193	0.0000	0	140	
MM2	0.0187	0.0095	0.0095	0	

776					6549
	CR1	CR2	MM1	MM2	
CR1	0	17	54	47	
CR2	0.0026	0	69	64	
MM1	0.0082	0.0105	0	24	
MM2	0.0072	0.0098	0.0037	0	

779					14157
	CR1	CR2	MM1	MM2	
CR1	0	217	91	55	
CR2	0.0153	0	207	213	
MM1	0.0064	0.0146	0	84	
MM2	0.0039	0.0150	0.0059	0	

780					16707
	CR1	CR2	MM1	MM2	
CR1	0	298	189	195	
CR2	0.0178	0	315	295	
MM1	0.0113	0.0189	0	197	
MM2	0.0117	0.0177	0.0118	0	

781					11539
	CR1	CR2	MM1	MM2	
CR1	0	197	194	199	
CR2	0.0171	0	91	89	
MM1	0.0168	0.0079	0	83	
MM2	0.0172	0.0077	0.0072	0	

783					13113
	CR1	CR2	MM1	MM2	
CR1	0	199	108	73	
CR2	0.0152	0	213	214	
MM1	0.0082	0.0162	0	111	
MM2	0.0056	0.0163	0.0085	0	

785					11117
	CR1	CR2	MM1	MM2	
CR1	0	195	206	199	
CR2	0.0175	0	105	97	
MM1	0.0185	0.0094	0	102	
MM2	0.0179	0.0087	0.0092	0	

786					14148
	CR1	CR2	MM1	MM2	
CR1	0	286	105	106	
CR2	0.0202	0	296	277	
MM1	0.0074	0.0209	0	101	
MM2	0.0075	0.0196	0.0071	0	

788					15224
	CR1	CR2	MM1	MM2	
CR1	0	200	207	207	
CR2	0.0131	0	110	116	
MM1	0.0136	0.0072	0	104	
MM2	0.0136	0.0076	0.0068	0	

792					10318
	CR1	CR2	MM1	MM2	
CR1	0	165	110	150	
CR2	0.0160	0	189	197	
MM1	0.0107	0.0183	0	93	
MM2	0.0145	0.0191	0.0090	0	

795					9895
	CR1	CR2	MM1	MM2	
CR1	0	215	217	206	
CR2	0.0217	0	73	97	
MM1	0.0219	0.0074	0	69	
MM2	0.0208	0.0098	0.0070	0	

796					11133
	CR1	CR2	MM1	MM2	
CR1	0	168	101	137	
CR2	0.0151	0	172	208	
MM1	0.0091	0.0154	0	91	
MM2	0.0123	0.0187	0.0082	0	
801					10376
	CR1	CR2	MM1	MM2	
CR1	0	183	123	132	
CR2	0.0176	0	179	180	
MM1	0.0119	0.0173	0	63	
MM2	0.0127	0.0173	0.0061	0	
804					7456
	CR1	CR2	MM1	MM2	
CR1	0	251	249	249	
CR2	0.0337	0	122	122	
MM1	0.0334	0.0164	0	0	
MM2	0.0334	0.0164	0.0000	0	
807					18404
	CR1	CR2	MM1	MM2	
CR1	0	228	276	259	
CR2	0.0124	0	286	297	
MM1	0.0150	0.0155	0	151	
MM2	0.0141	0.0161	0.0082	0	
808					16972
	CR1	CR2	MM1	MM2	
CR1	0	289	119	113	
CR2	0.0170	0	296	296	
MM1	0.0070	0.0174	0	62	
MM2	0.0067	0.0174	0.0037	0	
813					9359
	CR1	CR2	MM1	MM2	
CR1	0	100	47	42	
CR2	0.0107	0	119	116	
MM1	0.0050	0.0127	0	43	
MM2	0.0045	0.0124	0.0046	0	
814					13356
	CR1	CR2	MM1	MM2	
CR1	0	216	106	102	
CR2	0.0162	0	227	237	
MM1	0.0079	0.0170	0	106	
MM2	0.0076	0.0177	0.0079	0	

815					9028
	CR1	CR2	MM1	MM2	
CR1	0	55	183	182	
CR2	0.0061	0	151	150	
MM1	0.0203	0.0167	0	1	
MM2	0.0202	0.0166	0.0001	0	

821					10673
	CR1	CR2	MM1	MM2	
CR1	0	34	143	162	
CR2	0.0032	0	140	152	
MM1	0.0134	0.0131	0	94	
MM2	0.0152	0.0142	0.0088	0	

822					11686
	CR1	CR2	MM1	MM2	
CR1	0	231	154	121	
CR2	0.0198	0	256	225	
MM1	0.0132	0.0219	0	131	
MM2	0.0104	0.0193	0.0112	0	

824					10830
	CR1	CR2	MM1	MM2	
CR1	0	272	135	125	
CR2	0.0251	0	286	274	
MM1	0.0125	0.0264	0	134	
MM2	0.0115	0.0253	0.0124	0	

826					12290
	CR1	CR2	MM1	MM2	
CR1	0	325	172	193	
CR2	0.0264	0	312	324	
MM1	0.0140	0.0254	0	191	
MM2	0.0157	0.0264	0.0155	0	

828					8675
	CR1	CR2	MM1	MM2	
CR1	0	182	80	77	
CR2	0.0210	0	187	175	
MM1	0.0092	0.0216	0	76	
MM2	0.0089	0.0202	0.0088	0	

832					11467
	CR1	CR2	MM1	MM2	
CR1	0	280	140	93	
CR2	0.0244	0	281	288	
MM1	0.0122	0.0245	0	136	
MM2	0.0081	0.0251	0.0119	0	

833					8710
	CR1	CR2	MM1	MM2	
CR1	0	354	107	102	
CR2	0.0406	0	357	350	
MM1	0.0123	0.0410	0	103	
MM2	0.0117	0.0402	0.0118	0	

834					14196
	CR1	CR2	MM1	MM2	
CR1	0	152	47	7	
CR2	0.0107	0	159	151	
MM1	0.0033	0.0112	0	48	
MM2	0.0005	0.0106	0.0034	0	

835					11057
	CR1	CR2	MM1	MM2	
CR1	0	206	121	125	
CR2	0.0186	0	195	195	
MM1	0.0109	0.0176	0	10	
MM2	0.0113	0.0176	0.0009	0	

836					8788
	CR1	CR2	MM1	MM2	
CR1	0	182	104	61	
CR2	0.0207	0	202	170	
MM1	0.0118	0.0230	0	99	
MM2	0.0069	0.0193	0.0113	0	

838					6367
	CR1	CR2	MM1	MM2	
CR1	0	98	44	0	
CR2	0.0154	0	102	98	
MM1	0.0069	0.0160	0	44	
MM2	0.0000	0.0154	0.0069	0	

839					15866
	CR1	CR2	MM1	MM2	
CR1	0	177	92	135	
CR2	0.0112	0	243	252	
MM1	0.0058	0.0153	0	79	
MM2	0.0085	0.0159	0.0050	0	

842					11716
	CR1	CR2	MM1	MM2	
CR1	0	235	3	107	
CR2	0.0201	0	232	236	
MM1	0.0003	0.0198	0	104	
MM2	0.0091	0.0201	0.0089	0	

843					18363
	CR1	CR2	MM1	MM2	
CR1	0	359	156	149	
CR2	0.0196	0	359	352	
MM1	0.0085	0.0196	0	7	
MM2	0.0081	0.0192	0.0004	0	

844					8972
	CR1	CR2	MM1	MM2	
CR1	0	201	203	205	
CR2	0.0224	0	143	134	
MM1	0.0226	0.0159	0	133	
MM2	0.0228	0.0149	0.0148	0	

849					7587
	CR1	CR2	MM1	MM2	
CR1	0	157	6	67	
CR2	0.0207	0	155	173	
MM1	0.0008	0.0204	0	61	
MM2	0.0088	0.0228	0.0080	0	

850					7914
	CR1	CR2	MM1	MM2	
CR1	0	210	111	121	
CR2	0.0265	0	210	229	
MM1	0.0140	0.0265	0	123	
MM2	0.0153	0.0289	0.0155	0	

851					10602
	CR1	CR2	MM1	MM2	
CR1	0	318	124	177	
CR2	0.0300	0	334	343	
MM1	0.0117	0.0315	0	175	
MM2	0.0167	0.0324	0.0165	0	

854					11028
	CR1	CR2	MM1	MM2	
CR1	0	131	256	252	
CR2	0.0119	0	318	308	
MM1	0.0232	0.0288	0	174	
MM2	0.0229	0.0279	0.0158	0	

858					11514
	CR1	CR2	MM1	MM2	
CR1	0	251	191	189	
CR2	0.0218	0	286	284	
MM1	0.0166	0.0248	0	2	
MM2	0.0164	0.0247	0.0002	0	

862					13811
	CR1	CR2	MM1	MM2	
CR1	0	139	31	69	
CR2	0.0101	0	132	126	
MM1	0.0022	0.0096	0	72	
MM2	0.0050	0.0091	0.0052	0	

863					18246
	CR1	CR2	MM1	MM2	
CR1	0	408	188	169	
CR2	0.0224	0	410	398	
MM1	0.0103	0.0225	0	187	
MM2	0.0093	0.0218	0.0102	0	

864					16829
	CR1	CR2	MM1	MM2	
CR1	0	294	312	339	
CR2	0.0175	0	154	187	
MM1	0.0185	0.0092	0	141	
MM2	0.0201	0.0111	0.0084	0	

866					6860
	CR1	CR2	MM1	MM2	
CR1	0	83	147	147	
CR2	0.0121	0	81	81	
MM1	0.0214	0.0118	0	0	
MM2	0.0214	0.0118	0.0000	0	

867					11851
	CR1	CR2	MM1	MM2	
CR1	0	80	105	143	
CR2	0.0068	0	57	85	
MM1	0.0089	0.0048	0	76	
MM2	0.0121	0.0072	0.0064	0	

871					10065
	CR1	CR2	MM1	MM2	
CR1	0	92	193	193	
CR2	0.0091	0	153	141	
MM1	0.0192	0.0152	0	65	
MM2	0.0192	0.0140	0.0065	0	

874					18254
	CR1	CR2	MM1	MM2	
CR1	0	393	394	389	
CR2	0.0215	0	182	83	
MM1	0.0216	0.0100	0	180	
MM2	0.0213	0.0045	0.0099	0	

876					6922
	CR1	CR2	MM1	MM2	
CR1	0	137	97	98	
CR2	0.0198	0	162	161	
MM1	0.0140	0.0234	0	86	
MM2	0.0142	0.0233	0.0124	0	

877					10017
	CR1	CR2	MM1	MM2	
CR1	0	287	180	181	
CR2	0.0287	0	238	232	
MM1	0.0180	0.0238	0	112	
MM2	0.0181	0.0232	0.0112	0	

878					10878
	CR1	CR2	MM1	MM2	
CR1	0	203	108	106	
CR2	0.0187	0	181	179	
MM1	0.0099	0.0166	0	2	
MM2	0.0097	0.0165	0.0002	0	

880					15372
	CR1	CR2	MM1	MM2	
CR1	0	224	212	215	
CR2	0.0146	0	114	121	
MM1	0.0138	0.0074	0	57	
MM2	0.0140	0.0079	0.0037	0	

882					23405
	CR1	CR2	MM1	MM2	
CR1	0	509	524	510	
CR2	0.0217	0	223	232	
MM1	0.0224	0.0095	0	214	
MM2	0.0218	0.0099	0.0091	0	

884					9076
	CR1	CR2	MM1	MM2	
CR1	0	152	129	125	
CR2	0.0167	0	69	68	
MM1	0.0142	0.0076	0	75	
MM2	0.0138	0.0075	0.0083	0	

885					20856
	CR1	CR2	MM1	MM2	
CR1	0	288	327	330	
CR2	0.0138	0	302	313	
MM1	0.0157	0.0145	0	201	
MM2	0.0158	0.0150	0.0096	0	

891					10748
	CR1	CR2	MM1	MM2	
CR1	0	281	138	82	
CR2	0.0261	0	288	279	
MM1	0.0128	0.0268	0	157	
MM2	0.0076	0.0260	0.0146	0	

892					9698
	CR1	CR2	MM1	MM2	
CR1	0	184	43	43	
CR2	0.0190	0	185	183	
MM1	0.0044	0.0191	0	48	
MM2	0.0044	0.0189	0.0049	0	

893					10108
	CR1	CR2	MM1	MM2	
CR1	0	313	132	142	
CR2	0.0310	0	304	323	
MM1	0.0131	0.0301	0	85	
MM2	0.0140	0.0320	0.0084	0	

894					9450
	CR1	CR2	MM1	MM2	
CR1	0	208	90	76	
CR2	0.0220	0	198	210	
MM1	0.0095	0.0210	0	80	
MM2	0.0080	0.0222	0.0085	0	

895					10281
	CR1	CR2	MM1	MM2	
CR1	0	297	307	318	
CR2	0.0289	0	177	179	
MM1	0.0299	0.0172	0	187	
MM2	0.0309	0.0174	0.0182	0	

896					9636
	CR1	CR2	MM1	MM2	
CR1	0	155	197	142	
CR2	0.0161	0	283	216	
MM1	0.0204	0.0294	0	216	
MM2	0.0147	0.0224	0.0224	0	

899					16575
	CR1	CR2	MM1	MM2	
CR1	0	348	306	333	
CR2	0.0210	0	281	288	
MM1	0.0185	0.0170	0	204	
MM2	0.0201	0.0174	0.0123	0	

900					8722
	CR1	CR2	MM1	MM2	
CR1	0	159	169	169	
CR2	0.0182	0	243	243	
MM1	0.0194	0.0279	0	0	
MM2	0.0194	0.0279	0.0000	0	

901					10172
	CR1	CR2	MM1	MM2	
CR1	0	220	62	113	
CR2	0.0216	0	216	240	
MM1	0.0061	0.0212	0	117	
MM2	0.0111	0.0236	0.0115	0	

909					9928
	CR1	CR2	MM1	MM2	
CR1	0	276	274	275	
CR2	0.0278	0	172	161	
MM1	0.0276	0.0173	0	164	
MM2	0.0277	0.0162	0.0165	0	

912					14310
	CR1	CR2	MM1	MM2	
CR1	0	316	151	168	
CR2	0.0221	0	287	312	
MM1	0.0106	0.0201	0	137	
MM2	0.0117	0.0218	0.0096	0	

913					17047
	CR1	CR2	MM1	MM2	
CR1	0	387	224	60	
CR2	0.0227	0	391	385	
MM1	0.0131	0.0229	0	225	
MM2	0.0035	0.0226	0.0132	0	

921					16190
	CR1	CR2	MM1	MM2	
CR1	0	351	229	194	
CR2	0.0217	0	342	356	
MM1	0.0141	0.0211	0	194	
MM2	0.0120	0.0220	0.0120	0	

924					14411
	CR1	CR2	MM1	MM2	
CR1	0	418	148	164	
CR2	0.0290	0	401	424	
MM1	0.0103	0.0278	0	132	
MM2	0.0114	0.0294	0.0092	0	

926					8102
	CR1	CR2	MM1	MM2	
CR1	0	238	118	117	
CR2	0.0294	0	248	247	
MM1	0.0146	0.0306	0	1	
MM2	0.0144	0.0305	0.0001	0	

933					11072
	CR1	CR2	MM1	MM2	
CR1	0	324	217	198	
CR2	0.0293	0	335	342	
MM1	0.0196	0.0303	0	191	
MM2	0.0179	0.0309	0.0173	0	

934					4543
	CR1	CR2	MM1	MM2	
CR1	0	84	22	18	
CR2	0.0185	0	83	82	
MM1	0.0048	0.0183	0	20	
MM2	0.0040	0.0180	0.0044	0	

939					9906
	CR1	CR2	MM1	MM2	
CR1	0	17	0	71	
CR2	0.0017	0	17	82	
MM1	0.0000	0.0017	0	71	
MM2	0.0072	0.0083	0.0072	0	

941					21459
	CR1	CR2	MM1	MM2	
CR1	0	347	181	173	
CR2	0.0162	0	330	354	
MM1	0.0084	0.0154	0	160	
MM2	0.0081	0.0165	0.0075	0	

943					10064
	CR1	CR2	MM1	MM2	
CR1	0	228	123	114	
CR2	0.0227	0	213	209	
MM1	0.0122	0.0212	0	81	
MM2	0.0113	0.0208	0.0080	0	

944					8050
	CR1	CR2	MM1	MM2	
CR1	0	135	125	140	
CR2	0.0168	0	44	57	
MM1	0.0155	0.0055	0	39	
MM2	0.0174	0.0071	0.0048	0	

946

	CR1	CR2	MM1	MM2
CR1	0	288	118	125
CR2	0.0309	0	285	294
MM1	0.0127	0.0306	0	87
MM2	0.0134	0.0316	0.0093	0

9314

947

	CR1	CR2	MM1	MM2
CR1	0	331	162	145
CR2	0.0330	0	332	301
MM1	0.0161	0.0331	0	161
MM2	0.0144	0.0300	0.0160	0

10045

952

	CR1	CR2	MM1	MM2
CR1	0	223	130	105
CR2	0.0203	0	226	218
MM1	0.0118	0.0206	0	112
MM2	0.0096	0.0198	0.0102	0

10987

953

	CR1	CR2	MM1	MM2
CR1	0	139	71	72
CR2	0.0148	0	121	118
MM1	0.0076	0.0129	0	49
MM2	0.0077	0.0126	0.0052	0

9372

954

	CR1	CR2	MM1	MM2
CR1	0	218	110	90
CR2	0.0191	0	218	224
MM1	0.0096	0.0191	0	96
MM2	0.0079	0.0196	0.0084	0

11406

956

	CR1	CR2	MM1	MM2
CR1	0	293	309	295
CR2	0.0201	0	142	145
MM1	0.0211	0.0097	0	84
MM2	0.0202	0.0099	0.0057	0

14610

961

	CR1	CR2	MM1	MM2
CR1	0	185	66	95
CR2	0.0153	0	185	186
MM1	0.0054	0.0153	0	83
MM2	0.0078	0.0153	0.0068	0

12126

964					12650
	CR1	CR2	MM1	MM2	
CR1	0	0	361	378	
CR2	0.0000	0	361	378	
MM1	0.0285	0.0285	0	272	
MM2	0.0299	0.0299	0.0215	0	

965					10207
	CR1	CR2	MM1	MM2	
CR1	0	117	201	221	
CR2	0.0115	0	121	140	
MM1	0.0197	0.0119	0	127	
MM2	0.0217	0.0137	0.0124	0	

966					15590
	CR1	CR2	MM1	MM2	
CR1	0	157	184	184	
CR2	0.0101	0	27	27	
MM1	0.0118	0.0017	0	0	
MM2	0.0118	0.0017	0.0000	0	

970					10982
	CR1	CR2	MM1	MM2	
CR1	0	266	124	129	
CR2	0.0242	0	251	264	
MM1	0.0113	0.0229	0	136	
MM2	0.0117	0.0240	0.0124	0	

973					13520
	CR1	CR2	MM1	MM2	
CR1	0	275	47	126	
CR2	0.0203	0	277	275	
MM1	0.0035	0.0205	0	111	
MM2	0.0093	0.0203	0.0082	0	

977					14044
	CR1	CR2	MM1	MM2	
CR1	0	362	238	227	
CR2	0.0258	0	375	369	
MM1	0.0169	0.0267	0	169	
MM2	0.0162	0.0263	0.0120	0	

978					11812
	CR1	CR2	MM1	MM2	
CR1	0	223	100	92	
CR2	0.0189	0	237	230	
MM1	0.0085	0.0201	0	90	
MM2	0.0078	0.0195	0.0076	0	

982					10775
	CR1	CR2	MM1	MM2	
CR1	0	196	189	199	
CR2	0.0182	0	85	135	
MM1	0.0175	0.0079	0	112	
MM2	0.0185	0.0125	0.0104	0	
983					15181
	CR1	CR2	MM1	MM2	
CR1	0	444	181	204	
CR2	0.0292	0	445	421	
MM1	0.0119	0.0293	0	231	
MM2	0.0134	0.0277	0.0152	0	
985					21043
	CR1	CR2	MM1	MM2	
CR1	0	352	160	163	
CR2	0.0167	0	339	339	
MM1	0.0076	0.0161	0	158	
MM2	0.0077	0.0161	0.0075	0	
986					9892
	CR1	CR2	MM1	MM2	
CR1	0	224	150	164	
CR2	0.0226	0	222	239	
MM1	0.0152	0.0224	0	173	
MM2	0.0166	0.0242	0.0175	0	
987					7699
	CR1	CR2	MM1	MM2	
CR1	0	337	123	117	
CR2	0.0438	0	366	360	
MM1	0.0160	0.0475	0	124	
MM2	0.0152	0.0468	0.0161	0	
990					10415
	CR1	CR2	MM1	MM2	
CR1	0	231	134	124	
CR2	0.0222	0	217	230	
MM1	0.0129	0.0208	0	76	
MM2	0.0119	0.0221	0.0073	0	
991					7183
	CR1	CR2	MM1	MM2	
CR1	0	0	255	130	
CR2	0.0000	0	255	130	
MM1	0.0355	0.0355	0	190	
MM2	0.0181	0.0181	0.0265	0	

992					13579
	CR1	CR2	MM1	MM2	
CR1	0	241	104	104	
CR2	0.0177	0	237	237	
MM1	0.0077	0.0175	0	0	
MM2	0.0077	0.0175	0.0000	0	
996					20594
	CR1	CR2	MM1	MM2	
CR1	0	465	274	320	
CR2	0.0226	0	501	495	
MM1	0.0133	0.0243	0	269	
MM2	0.0155	0.0240	0.0131	0	
997					11806
	CR1	CR2	MM1	MM2	
CR1	0	245	145	135	
CR2	0.0208	0	223	227	
MM1	0.0123	0.0189	0	130	
MM2	0.0114	0.0192	0.0110	0	
1003					14569
	CR1	CR2	MM1	MM2	
CR1	0	28	197	214	
CR2	0.0019	0	183	194	
MM1	0.0135	0.0126	0	133	
MM2	0.0147	0.0133	0.0091	0	
1005					9883
	CR1	CR2	MM1	MM2	
CR1	0	162	81	61	
CR2	0.0164	0	163	159	
MM1	0.0082	0.0165	0	56	
MM2	0.0062	0.0161	0.0057	0	
1010					22736
	CR1	CR2	MM1	MM2	
CR1	0	618	260	211	
CR2	0.0272	0	571	612	
MM1	0.0114	0.0251	0	284	
MM2	0.0093	0.0269	0.0125	0	
1011					9234
	CR1	CR2	MM1	MM2	
CR1	0	170	66	54	
CR2	0.0184	0	180	177	
MM1	0.0071	0.0195	0	64	
MM2	0.0058	0.0192	0.0069	0	

1015					23371
	CR1	CR2	MM1	MM2	
CR1	0	408	132	155	
CR2	0.0175	0	408	422	
MM1	0.0056	0.0175	0	163	
MM2	0.0066	0.0181	0.0070	0	
1022					9868
	CR1	CR2	MM1	MM2	
CR1	0	150	160	148	
CR2	0.0152	0	55	71	
MM1	0.0162	0.0056	0	69	
MM2	0.0150	0.0072	0.0070	0	
1024					10130
	CR1	CR2	MM1	MM2	
CR1	0	237	227	235	
CR2	0.0234	0	112	115	
MM1	0.0224	0.0111	0	88	
MM2	0.0232	0.0114	0.0087	0	
1028					8220
	CR1	CR2	MM1	MM2	
CR1	0	50	97	92	
CR2	0.0061	0	128	114	
MM1	0.0118	0.0156	0	108	
MM2	0.0112	0.0139	0.0131	0	
1029					10230
	CR1	CR2	MM1	MM2	
CR1	0	231	113	127	
CR2	0.0226	0	234	235	
MM1	0.0110	0.0229	0	127	
MM2	0.0124	0.0230	0.0124	0	
1030					9022
	CR1	CR2	MM1	MM2	
CR1	0	224	54	101	
CR2	0.0248	0	218	207	
MM1	0.0060	0.0242	0	85	
MM2	0.0112	0.0229	0.0094	0	
1031					28878
	CR1	CR2	MM1	MM2	
CR1	0	473	275	281	
CR2	0.0164	0	462	452	
MM1	0.0095	0.0160	0	253	
MM2	0.0097	0.0157	0.0088	0	

1036					18254
	CR1	CR2	MM1	MM2	
CR1	0	217	225	226	
CR2	0.0119	0	123	118	
MM1	0.0123	0.0067	0	98	
MM2	0.0124	0.0065	0.0054	0	

1037					16421
	CR1	CR2	MM1	MM2	
CR1	0	540	559	526	
CR2	0.0329	0	368	143	
MM1	0.0340	0.0224	0	326	
MM2	0.0320	0.0087	0.0199	0	

1045					11024
	CR1	CR2	MM1	MM2	
CR1	0	318	109	149	
CR2	0.0288	0	323	311	
MM1	0.0099	0.0293	0	123	
MM2	0.0135	0.0282	0.0112	0	

1047					20449
	CR1	CR2	MM1	MM2	
CR1	0	356	165	236	
CR2	0.0174	0	351	376	
MM1	0.0081	0.0172	0	214	
MM2	0.0115	0.0184	0.0105	0	

1050					12818
	CR1	CR2	MM1	MM2	
CR1	0	192	88	91	
CR2	0.0150	0	210	206	
MM1	0.0069	0.0164	0	93	
MM2	0.0071	0.0161	0.0073	0	

1051					15223
	CR1	CR2	MM1	MM2	
CR1	0	294	135	151	
CR2	0.0193	0	308	301	
MM1	0.0089	0.0202	0	156	
MM2	0.0099	0.0198	0.0102	0	

1062					14366
	CR1	CR2	MM1	MM2	
CR1	0	331	206	195	
CR2	0.0230	0	334	345	
MM1	0.0143	0.0232	0	81	
MM2	0.0136	0.0240	0.0056	0	

1067					12199
	CR1	CR2	MM1	MM2	
CR1	0	146	224	218	
CR2	0.0120	0	282	295	
MM1	0.0184	0.0231	0	233	
MM2	0.0179	0.0242	0.0191	0	

1068					18532
	CR1	CR2	MM1	MM2	
CR1	0	79	490	517	
CR2	0.0043	0	454	477	
MM1	0.0264	0.0245	0	177	
MM2	0.0279	0.0257	0.0096	0	

1070					6438
	CR1	CR2	MM1	MM2	
CR1	0	180	184	180	
CR2	0.0280	0	90	111	
MM1	0.0286	0.0140	0	113	
MM2	0.0280	0.0172	0.0176	0	

1075					12763
	CR1	CR2	MM1	MM2	
CR1	0	337	387	347	
CR2	0.0264	0	195	118	
MM1	0.0303	0.0153	0	199	
MM2	0.0272	0.0092	0.0156	0	

1077					9784
	CR1	CR2	MM1	MM2	
CR1	0	0	95	125	
CR2	0.0000	0	95	125	
MM1	0.0097	0.0097	0	111	
MM2	0.0128	0.0128	0.0113	0	

1078					10276
	CR1	CR2	MM1	MM2	
CR1	0	205	85	108	
CR2	0.0199	0	222	218	
MM1	0.0083	0.0216	0	97	
MM2	0.0105	0.0212	0.0094	0	

1080					8171
	CR1	CR2	MM1	MM2	
CR1	0	230	64	52	
CR2	0.0281	0	220	228	
MM1	0.0078	0.0269	0	58	
MM2	0.0064	0.0279	0.0071	0	

1083					11112
	CR1	CR2	MM1	MM2	
CR1	0	322	173	203	
CR2	0.0290	0	318	290	
MM1	0.0156	0.0286	0	189	
MM2	0.0183	0.0261	0.0170	0	
1085					9735
	CR1	CR2	MM1	MM2	
CR1	0	0	91	136	
CR2	0.0000	0	91	136	
MM1	0.0093	0.0093	0	129	
MM2	0.0140	0.0140	0.0133	0	
1086					8424
	CR1	CR2	MM1	MM2	
CR1	0	219	93	76	
CR2	0.0260	0	210	231	
MM1	0.0110	0.0249	0	112	
MM2	0.0090	0.0274	0.0133	0	
1087					7465
	CR1	CR2	MM1	MM2	
CR1	0	135	43	59	
CR2	0.0181	0	134	135	
MM1	0.0058	0.0180	0	57	
MM2	0.0079	0.0181	0.0076	0	
1088					12529
	CR1	CR2	MM1	MM2	
CR1	0	365	169	154	
CR2	0.0291	0	361	366	
MM1	0.0135	0.0288	0	159	
MM2	0.0123	0.0292	0.0127	0	
1089					12057
	CR1	CR2	MM1	MM2	
CR1	0	280	143	141	
CR2	0.0232	0	276	262	
MM1	0.0119	0.0229	0	123	
MM2	0.0117	0.0217	0.0102	0	
1093					9117
	CR1	CR2	MM1	MM2	
CR1	0	186	203	193	
CR2	0.0204	0	149	135	
MM1	0.0223	0.0163	0	116	
MM2	0.0212	0.0148	0.0127	0	

1097					11537
	CR1	CR2	MM1	MM2	
CR1	0	324	178	151	
CR2	0.0281	0	323	334	
MM1	0.0154	0.0280	0	187	
MM2	0.0131	0.0290	0.0162	0	

1103					9910
	CR1	CR2	MM1	MM2	
CR1	0	239	123	73	
CR2	0.0241	0	244	235	
MM1	0.0124	0.0246	0	138	
MM2	0.0074	0.0237	0.0139	0	

1104					19599
	CR1	CR2	MM1	MM2	
CR1	0	439	221	222	
CR2	0.0224	0	421	422	
MM1	0.0113	0.0215	0	1	
MM2	0.0113	0.0215	0.0001	0	

1105					19582
	CR1	CR2	MM1	MM2	
CR1	0	450	441	424	
CR2	0.0230	0	217	292	
MM1	0.0225	0.0111	0	235	
MM2	0.0217	0.0149	0.0120	0	

1112					9572
	CR1	CR2	MM1	MM2	
CR1	0	203	108	88	
CR2	0.0212	0	178	194	
MM1	0.0113	0.0186	0	100	
MM2	0.0092	0.0203	0.0104	0	

1116					9828
	CR1	CR2	MM1	MM2	
CR1	0	237	117	102	
CR2	0.0241	0	246	229	
MM1	0.0119	0.0250	0	106	
MM2	0.0104	0.0233	0.0108	0	

1117					13442
	CR1	CR2	MM1	MM2	
CR1	0	367	193	180	
CR2	0.0273	0	386	365	
MM1	0.0144	0.0287	0	178	
MM2	0.0134	0.0272	0.0132	0	

1121					14393
	CR1	CR2	MM1	MM2	
CR1	0	286	287	278	
CR2	0.0199	0	115	116	
MM1	0.0199	0.0080	0	113	
MM2	0.0193	0.0081	0.0079	0	

1123					12864
	CR1	CR2	MM1	MM2	
CR1	0	32	202	184	
CR2	0.0025	0	219	204	
MM1	0.0157	0.0170	0	103	
MM2	0.0143	0.0159	0.0080	0	

1125					10221
	CR1	CR2	MM1	MM2	
CR1	0	256	3	131	
CR2	0.0250	0	257	251	
MM1	0.0003	0.0251	0	130	
MM2	0.0128	0.0246	0.0127	0	

1130					7425
	CR1	CR2	MM1	MM2	
CR1	0	0	200	188	
CR2	0.0000	0	200	188	
MM1	0.0269	0.0269	0	98	
MM2	0.0253	0.0253	0.0132	0	

1131					15676
	CR1	CR2	MM1	MM2	
CR1	0	256	218	195	
CR2	0.0163	0	391	375	
MM1	0.0139	0.0249	0	214	
MM2	0.0124	0.0239	0.0137	0	

1132					6200
	CR1	CR2	MM1	MM2	
CR1	0	103	71	65	
CR2	0.0166	0	104	106	
MM1	0.0115	0.0168	0	61	
MM2	0.0105	0.0171	0.0098	0	

1140					11680
	CR1	CR2	MM1	MM2	
CR1	0	237	107	107	
CR2	0.0203	0	236	236	
MM1	0.0092	0.0202	0	0	
MM2	0.0092	0.0202	0.0000	0	

1141					10272
	CR1	CR2	MM1	MM2	
CR1	0	3	179	197	
CR2	0.0003	0	176	194	
MM1	0.0174	0.0171	0	76	
MM2	0.0192	0.0189	0.0074	0	

1143					8625
	CR1	CR2	MM1	MM2	
CR1	0	190	101	96	
CR2	0.0220	0	183	181	
MM1	0.0117	0.0212	0	25	
MM2	0.0111	0.0210	0.0029	0	

1147					8005
	CR1	CR2	MM1	MM2	
CR1	0	170	66	79	
CR2	0.0212	0	179	177	
MM1	0.0082	0.0224	0	64	
MM2	0.0099	0.0221	0.0080	0	

1148					16447
	CR1	CR2	MM1	MM2	
CR1	0	382	164	147	
CR2	0.0232	0	369	364	
MM1	0.0100	0.0224	0	86	
MM2	0.0089	0.0221	0.0052	0	

1149					10051
	CR1	CR2	MM1	MM2	
CR1	0	231	212	203	
CR2	0.0230	0	104	100	
MM1	0.0211	0.0103	0	77	
MM2	0.0202	0.0099	0.0077	0	

1150					8578
	CR1	CR2	MM1	MM2	
CR1	0	257	257	241	
CR2	0.0300	0	111	113	
MM1	0.0300	0.0129	0	124	
MM2	0.0281	0.0132	0.0145	0	

1151					11064
	CR1	CR2	MM1	MM2	
CR1	0	247	111	131	
CR2	0.0223	0	244	253	
MM1	0.0100	0.0221	0	103	
MM2	0.0118	0.0229	0.0093	0	

1156					11945
	CR1	CR2	MM1	MM2	
CR1	0	251	120	121	
CR2	0.0210	0	263	264	
MM1	0.0100	0.0220	0	139	
MM2	0.0101	0.0221	0.0116	0	

1168					11757
	CR1	CR2	MM1	MM2	
CR1	0	0	212	197	
CR2	0.0000	0	212	197	
MM1	0.0180	0.0180	0	114	
MM2	0.0168	0.0168	0.0097	0	

1171					11283
	CR1	CR2	MM1	MM2	
CR1	0	296	257	228	
CR2	0.0262	0	359	344	
MM1	0.0228	0.0318	0	244	
MM2	0.0202	0.0305	0.0216	0	

1173					8351
	CR1	CR2	MM1	MM2	
CR1	0	143	80	79	
CR2	0.0171	0	142	135	
MM1	0.0096	0.0170	0	7	
MM2	0.0095	0.0162	0.0008	0	

1174					7156
	CR1	CR2	MM1	MM2	
CR1	0	149	169	150	
CR2	0.0208	0	64	49	
MM1	0.0236	0.0089	0	69	
MM2	0.0210	0.0068	0.0096	0	

1179					18420
	CR1	CR2	MM1	MM2	
CR1	0	275	48	51	
CR2	0.0149	0	276	281	
MM1	0.0026	0.0150	0	59	
MM2	0.0028	0.0153	0.0032	0	

1180					11669
	CR1	CR2	MM1	MM2	
CR1	0	228	206	221	
CR2	0.0195	0	91	77	
MM1	0.0177	0.0078	0	80	
MM2	0.0189	0.0066	0.0069	0	

Table S6: Difference Matrices.

1185					8195
	CR1	CR2	MM1	MM2	
CR1	0	124	45	24	
CR2	0.0151	0	118	120	
MM1	0.0055	0.0144	0	38	
MM2	0.0029	0.0146	0.0046	0	
1186					21367
	CR1	CR2	MM1	MM2	
CR1	0	520	230	259	
CR2	0.0243	0	492	513	
MM1	0.0108	0.0230	0	255	
MM2	0.0121	0.0240	0.0119	0	
1187					7887
	CR1	CR2	MM1	MM2	
CR1	0	181	71	55	
CR2	0.0229	0	188	192	
MM1	0.0090	0.0238	0	79	
MM2	0.0070	0.0243	0.0100	0	
1191					11399
	CR1	CR2	MM1	MM2	
CR1	0	318	205	246	
CR2	0.0279	0	307	309	
MM1	0.0180	0.0269	0	199	
MM2	0.0216	0.0271	0.0175	0	

	6						15773
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	330	90	350	358	350	
CR2	0.0209	0	320	269	83	269	
MA1	0.0057	0.0203	0	343	348	343	
MA2	0.0222	0.0171	0.0217	0	261	0	
MM1	0.0227	0.0053	0.0221	0.0165	0	261	
MM2	0.0222	0.0171	0.0217	0.0000	0.0165	0	
	7						12326
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	214	97	219	97	77	
CR2	0.0174	0	228	39	228	234	
MA1	0.0079	0.0185	0	232	0	88	
MA2	0.0178	0.0032	0.0188	0	232	239	
MM1	0.0079	0.0185	0.0000	0.0188	0	88	
MM2	0.0062	0.0190	0.0071	0.0194	0.0071	0	
	8						18112
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	354	392	223	412	393	
CR2	0.0195	0	220	441	257	217	
MA1	0.0216	0.0121	0	435	282	3	
MA2	0.0123	0.0243	0.0240	0	456	438	
MM1	0.0227	0.0142	0.0156	0.0252	0	280	
MM2	0.0217	0.0120	0.0002	0.0242	0.0155	0	
	10						12313
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	201	83	222	83	76	
CR2	0.0163	0	196	61	196	198	
MA1	0.0067	0.0159	0	210	0	83	
MA2	0.0180	0.0050	0.0171	0	210	210	
MM1	0.0067	0.0159	0.0000	0.0171	0	83	
MM2	0.0062	0.0161	0.0067	0.0171	0.0067	0	
	12						13800
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	315	318	168	168	121	
CR2	0.0228	0	53	303	303	292	
MA1	0.0230	0.0038	0	304	304	293	
MA2	0.0122	0.0220	0.0220	0	0	139	
MM1	0.0122	0.0220	0.0220	0.0000	0	139	
MM2	0.0088	0.0212	0.0212	0.0101	0.0101	0	

	13						16978
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	378	365	96	365	387	
CR2	0.0223	0	171	337	171	141	
MA1	0.0215	0.0101	0	324	0	153	
MA2	0.0057	0.0198	0.0191	0	324	348	
MM1	0.0215	0.0101	0.0000	0.0191	0	153	
MM2	0.0228	0.0083	0.0090	0.0205	0.0090	0	
	14						15888
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	283	102	280	102	158	
CR2	0.0178	0	265	94	265	279	
MA1	0.0064	0.0167	0	259	0	142	
MA2	0.0176	0.0059	0.0163	0	259	270	
MM1	0.0064	0.0167	0.0000	0.0163	0	142	
MM2	0.0099	0.0176	0.0089	0.0170	0.0089	0	
	15						11240
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	80	211	119	55	126	
CR2	0.0071	0	154	169	110	175	
MA1	0.0188	0.0137	0	206	220	257	
MA2	0.0106	0.0150	0.0183	0	110	136	
MM1	0.0049	0.0098	0.0196	0.0098	0	108	
MM2	0.0112	0.0156	0.0229	0.0121	0.0096	0	
	18						13029
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	228	87	233	96	87	
CR2	0.0175	0	236	85	243	236	
MA1	0.0067	0.0181	0	242	97	0	
MA2	0.0179	0.0065	0.0186	0	245	242	
MM1	0.0074	0.0187	0.0074	0.0188	0	97	
MM2	0.0067	0.0181	0.0000	0.0186	0.0074	0	
	20						14046
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	191	91	188	91	112	
CR2	0.0136	0	187	58	187	185	
MA1	0.0065	0.0133	0	184	0	100	
MA2	0.0134	0.0041	0.0131	0	184	184	
MM1	0.0065	0.0133	0.0000	0.0131	0	100	
MM2	0.0080	0.0132	0.0071	0.0131	0.0071	0	

	23						16217
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	351	214	365	179	197	
CR2	0.0216	0	339	142	338	349	
MA1	0.0132	0.0209	0	346	207	223	
MA2	0.0225	0.0088	0.0213	0	346	354	
MM1	0.0110	0.0208	0.0128	0.0213	0	210	
MM2	0.0121	0.0215	0.0138	0.0218	0.0129	0	
	25						20239
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	0	118	412	425	412	
CR2	0.0000	0	118	412	425	412	
MA1	0.0058	0.0058	0	446	448	446	
MA2	0.0204	0.0204	0.0220	0	209	0	
MM1	0.0210	0.0210	0.0221	0.0103	0	209	
MM2	0.0204	0.0204	0.0220	0.0000	0.0103	0	
	27						11096
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	24	67	165	95	67	
CR2	0.0022	0	67	166	95	67	
MA1	0.0060	0.0060	0	171	90	0	
MA2	0.0149	0.0150	0.0154	0	177	171	
MM1	0.0086	0.0086	0.0081	0.0160	0	90	
MM2	0.0060	0.0060	0.0000	0.0154	0.0081	0	
	28						12851
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	256	253	137	129	41	
CR2	0.0199	0	105	259	258	267	
MA1	0.0197	0.0082	0	252	253	264	
MA2	0.0107	0.0202	0.0196	0	132	124	
MM1	0.0100	0.0201	0.0197	0.0103	0	100	
MM2	0.0032	0.0208	0.0205	0.0096	0.0078	0	
	30						13372
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	250	255	106	112	106	
CR2	0.0187	0	51	251	264	251	
MA1	0.0191	0.0038	0	258	271	258	
MA2	0.0079	0.0188	0.0193	0	106	0	
MM1	0.0084	0.0197	0.0203	0.0079	0	106	
MM2	0.0079	0.0188	0.0193	0.0000	0.0079	0	

	31						9551
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	136	21	137	132	137	
CR2	0.0142	0	135	69	48	69	
MA1	0.0022	0.0141	0	138	131	138	
MA2	0.0143	0.0072	0.0144	0	49	0	
MM1	0.0138	0.0050	0.0137	0.0051	0	49	
MM2	0.0143	0.0072	0.0144	0.0000	0.0051	0	
	33						14977
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	133	339	95	91	95	
CR2	0.0089	0	236	220	216	220	
MA1	0.0226	0.0158	0	356	342	356	
MA2	0.0063	0.0147	0.0238	0	103	0	
MM1	0.0061	0.0144	0.0228	0.0069	0	103	
MM2	0.0063	0.0147	0.0238	0.0000	0.0069	0	
	34						9687
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	157	89	155	89	82	
CR2	0.0162	0	163	80	163	159	
MA1	0.0092	0.0168	0	165	0	66	
MA2	0.0160	0.0083	0.0170	0	165	159	
MM1	0.0092	0.0168	0.0000	0.0170	0	66	
MM2	0.0085	0.0164	0.0068	0.0164	0.0068	0	
	36						12497
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	126	188	187	221	207	
CR2	0.0101	0	263	95	265	261	
MA1	0.0150	0.0210	0	282	148	110	
MA2	0.0150	0.0076	0.0226	0	268	265	
MM1	0.0177	0.0212	0.0118	0.0214	0	151	
MM2	0.0166	0.0209	0.0088	0.0212	0.0121	0	
	37						16712
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	185	83	176	83	81	
CR2	0.0111	0	202	42	202	195	
MA1	0.0050	0.0121	0	190	0	98	
MA2	0.0105	0.0025	0.0114	0	190	191	
MM1	0.0050	0.0121	0.0000	0.0114	0	98	
MM2	0.0048	0.0117	0.0059	0.0114	0.0059	0	

	38						13192
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	171	98	164	98	63	
CR2	0.0130	0	188	41	188	179	
MA1	0.0074	0.0143	0	181	0	93	
MA2	0.0124	0.0031	0.0137	0	181	172	
MM1	0.0074	0.0143	0.0000	0.0137	0	93	
MM2	0.0048	0.0136	0.0070	0.0130	0.0070	0	
	39						11038
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	258	90	252	90	108	
CR2	0.0234	0	258	67	258	263	
MA1	0.0082	0.0234	0	257	0	126	
MA2	0.0228	0.0061	0.0233	0	257	260	
MM1	0.0082	0.0234	0.0000	0.0233	0	126	
MM2	0.0098	0.0238	0.0114	0.0236	0.0114	0	
	40						13785
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	164	133	121	28	79	
CR2	0.0119	0	55	71	158	157	
MA1	0.0096	0.0040	0	20	117	128	
MA2	0.0088	0.0052	0.0015	0	103	124	
MM1	0.0020	0.0115	0.0085	0.0075	0	79	
MM2	0.0057	0.0114	0.0093	0.0090	0.0057	0	
	42						17104
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	239	167	173	95	98	
CR2	0.0140	0	150	194	234	243	
MA1	0.0098	0.0088	0	136	126	169	
MA2	0.0101	0.0113	0.0080	0	124	184	
MM1	0.0056	0.0137	0.0074	0.0072	0	106	
MM2	0.0057	0.0142	0.0099	0.0108	0.0062	0	
	44						14183
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	192	87	196	117	87	
CR2	0.0135	0	198	20	197	198	
MA1	0.0061	0.0140	0	202	98	0	
MA2	0.0138	0.0014	0.0142	0	201	202	
MM1	0.0082	0.0139	0.0069	0.0142	0	98	
MM2	0.0061	0.0140	0.0000	0.0142	0.0069	0	

46							12341
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	204	60	202	211	202	
CR2	0.0165	0	214	104	101	104	
MA1	0.0049	0.0173	0	213	221	213	
MA2	0.0164	0.0084	0.0173	0	83	0	
MM1	0.0171	0.0082	0.0179	0.0067	0	83	
MM2	0.0164	0.0084	0.0173	0.0000	0.0067	0	
47							15440
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	266	275	151	80	151	
CR2	0.0172	0	82	290	272	290	
MA1	0.0178	0.0053	0	298	279	298	
MA2	0.0098	0.0188	0.0193	0	154	0	
MM1	0.0052	0.0176	0.0181	0.0100	0	154	
MM2	0.0098	0.0188	0.0193	0.0000	0.0100	0	
49							9579
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	71	122	150	43	90	
CR2	0.0074	0	145	98	114	135	
MA1	0.0127	0.0151	0	177	89	63	
MA2	0.0157	0.0102	0.0185	0	185	174	
MM1	0.0045	0.0119	0.0093	0.0193	0	65	
MM2	0.0094	0.0141	0.0066	0.0182	0.0068	0	
50							21075
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	607	627	300	658	628	
CR2	0.0288	0	366	589	393	382	
MA1	0.0298	0.0174	0	572	452	392	
MA2	0.0142	0.0279	0.0271	0	640	619	
MM1	0.0312	0.0186	0.0214	0.0304	0	380	
MM2	0.0298	0.0181	0.0186	0.0294	0.0180	0	
51							9049
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	107	31	105	34	40	
CR2	0.0118	0	98	49	105	93	
MA1	0.0034	0.0108	0	97	40	36	
MA2	0.0116	0.0054	0.0107	0	102	102	
MM1	0.0038	0.0116	0.0044	0.0113	0	44	
MM2	0.0044	0.0103	0.0040	0.0113	0.0049	0	

	52						7695
		CR1	CR2	MA1	MA2	MM1	MM2
CR1		0	85	87	30	33	30
CR2		0.0110	0	21	83	86	83
MA1		0.0113	0.0027	0	85	88	85
MA2		0.0039	0.0108	0.0110	0	23	0
MM1		0.0043	0.0112	0.0114	0.0030	0	23
MM2		0.0039	0.0108	0.0110	0.0000	0.0030	0
	53						11347
		CR1	CR2	MA1	MA2	MM1	MM2
CR1		0	368	174	384	173	136
CR2		0.0324	0	372	81	333	365
MA1		0.0153	0.0328	0	385	196	83
MA2		0.0338	0.0071	0.0339	0	348	380
MM1		0.0152	0.0293	0.0173	0.0307	0	113
MM2		0.0120	0.0322	0.0073	0.0335	0.0100	0
	54						16664
		CR1	CR2	MA1	MA2	MM1	MM2
CR1		0	414	439	135	437	443
CR2		0.0248	0	249	413	256	250
MA1		0.0263	0.0149	0	433	273	187
MA2		0.0081	0.0248	0.0260	0	435	440
MM1		0.0262	0.0154	0.0164	0.0261	0	260
MM2		0.0266	0.0150	0.0112	0.0264	0.0156	0
	55						13812
		CR1	CR2	MA1	MA2	MM1	MM2
CR1		0	174	75	167	62	55
CR2		0.0126	0	177	53	175	160
MA1		0.0054	0.0128	0	170	72	52
MA2		0.0121	0.0038	0.0123	0	168	153
MM1		0.0045	0.0127	0.0052	0.0122	0	53
MM2		0.0040	0.0116	0.0038	0.0111	0.0038	0
	57						13285
		CR1	CR2	MA1	MA2	MM1	MM2
CR1		0	221	99	224	99	101
CR2		0.0166	0	206	74	206	202
MA1		0.0075	0.0155	0	206	0	88
MA2		0.0169	0.0056	0.0155	0	206	205
MM1		0.0075	0.0155	0.0000	0.0155	0	88
MM2		0.0076	0.0152	0.0066	0.0154	0.0066	0

	64						11380
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	5	207	151	220	230	
CR2	0.0004	0	212	146	225	235	
MA1	0.0182	0.0186	0	248	136	139	
MA2	0.0133	0.0128	0.0218	0	251	264	
MM1	0.0193	0.0198	0.0120	0.0221	0	128	
MM2	0.0202	0.0207	0.0122	0.0232	0.0112	0	
	65						19220
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	319	228	328	186	197	
CR2	0.0166	0	316	140	318	321	
MA1	0.0119	0.0164	0	323	176	135	
MA2	0.0171	0.0073	0.0168	0	325	330	
MM1	0.0097	0.0165	0.0092	0.0169	0	162	
MM2	0.0102	0.0167	0.0070	0.0172	0.0084	0	
	66						12728
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	244	88	248	88	81	
CR2	0.0192	0	237	61	237	244	
MA1	0.0069	0.0186	0	242	0	88	
MA2	0.0195	0.0048	0.0190	0	242	247	
MM1	0.0069	0.0186	0.0000	0.0190	0	88	
MM2	0.0064	0.0192	0.0069	0.0194	0.0069	0	
	68						18791
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	274	265	74	259	265	
CR2	0.0146	0	88	265	82	88	
MA1	0.0141	0.0047	0	258	39	0	
MA2	0.0039	0.0141	0.0137	0	254	258	
MM1	0.0138	0.0044	0.0021	0.0135	0	39	
MM2	0.0141	0.0047	0.0000	0.0137	0.0021	0	
	70						12972
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	200	204	129	129	119	
CR2	0.0154	0	39	181	181	171	
MA1	0.0157	0.0030	0	187	187	175	
MA2	0.0099	0.0140	0.0144	0	0	78	
MM1	0.0099	0.0140	0.0144	0.0000	0	78	
MM2	0.0092	0.0132	0.0135	0.0060	0.0060	0	

	71						18558
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	307	145	299	134	126	
CR2	0.0165	0	305	101	309	299	
MA1	0.0078	0.0164	0	297	146	123	
MA2	0.0161	0.0054	0.0160	0	295	288	
MM1	0.0072	0.0167	0.0079	0.0159	0	127	
MM2	0.0068	0.0161	0.0066	0.0155	0.0068	0	
	72						11405
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	292	273	139	79	139	
CR2	0.0256	0	84	313	307	313	
MA1	0.0239	0.0074	0	296	288	296	
MA2	0.0122	0.0274	0.0260	0	120	0	
MM1	0.0069	0.0269	0.0253	0.0105	0	120	
MM2	0.0122	0.0274	0.0260	0.0000	0.0105	0	
	73						18630
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	370	203	370	191	243	
CR2	0.0199	0	369	0	383	378	
MA1	0.0109	0.0198	0	369	197	233	
MA2	0.0199	0.0000	0.0198	0	383	378	
MM1	0.0103	0.0206	0.0106	0.0206	0	245	
MM2	0.0130	0.0203	0.0125	0.0203	0.0132	0	
	75						9477
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	203	47	199	199	182	
CR2	0.0214	0	200	75	75	74	
MA1	0.0050	0.0211	0	194	194	177	
MA2	0.0210	0.0079	0.0205	0	0	73	
MM1	0.0210	0.0079	0.0205	0.0000	0	73	
MM2	0.0192	0.0078	0.0187	0.0077	0.0077	0	
	76						8820
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	229	143	225	110	143	
CR2	0.0260	0	212	31	230	212	
MA1	0.0162	0.0240	0	209	140	0	
MA2	0.0255	0.0035	0.0237	0	226	209	
MM1	0.0125	0.0261	0.0159	0.0256	0	140	
MM2	0.0162	0.0240	0.0000	0.0237	0.0159	0	

	77						15195
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	109	310	191	226	191	
CR2	0.0072	0	213	229	274	229	
MA1	0.0204	0.0140	0	327	342	327	
MA2	0.0126	0.0151	0.0215	0	196	0	
MM1	0.0149	0.0180	0.0225	0.0129	0	196	
MM2	0.0126	0.0151	0.0215	0.0000	0.0129	0	
	78						13466
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	367	191	326	191	220	
CR2	0.0273	0	373	102	373	400	
MA1	0.0142	0.0277	0	339	0	233	
MA2	0.0242	0.0076	0.0252	0	339	383	
MM1	0.0142	0.0277	0.0000	0.0252	0	233	
MM2	0.0163	0.0297	0.0173	0.0284	0.0173	0	
	79						13694
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	180	104	177	82	87	
CR2	0.0131	0	183	7	182	167	
MA1	0.0076	0.0134	0	180	80	94	
MA2	0.0129	0.0005	0.0131	0	179	164	
MM1	0.0060	0.0133	0.0058	0.0131	0	91	
MM2	0.0064	0.0122	0.0069	0.0120	0.0066	0	
	81						17906
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	338	184	375	184	152	
CR2	0.0189	0	364	71	364	368	
MA1	0.0103	0.0203	0	401	0	154	
MA2	0.0209	0.0040	0.0224	0	401	405	
MM1	0.0103	0.0203	0.0000	0.0224	0	154	
MM2	0.0085	0.0206	0.0086	0.0226	0.0086	0	
	82						11012
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	265	272	159	159	134	
CR2	0.0241	0	38	277	277	258	
MA1	0.0247	0.0035	0	282	282	266	
MA2	0.0144	0.0252	0.0256	0	0	151	
MM1	0.0144	0.0252	0.0256	0.0000	0	151	
MM2	0.0122	0.0234	0.0242	0.0137	0.0137	0	

	86						12347
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	181	90	188	90	87	
CR2	0.0147	0	181	41	181	169	
MA1	0.0073	0.0147	0	186	0	99	
MA2	0.0152	0.0033	0.0151	0	186	178	
MM1	0.0073	0.0147	0.0000	0.0151	0	99	
MM2	0.0070	0.0137	0.0080	0.0144	0.0080	0	
	87						13357
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	264	137	255	132	137	
CR2	0.0198	0	287	41	257	287	
MA1	0.0103	0.0215	0	280	130	0	
MA2	0.0191	0.0031	0.0210	0	246	280	
MM1	0.0099	0.0192	0.0097	0.0184	0	130	
MM2	0.0103	0.0215	0.0000	0.0210	0.0097	0	
	88						13194
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	265	93	260	144	93	
CR2	0.0201	0	264	93	262	264	
MA1	0.0070	0.0200	0	255	123	0	
MA2	0.0197	0.0070	0.0193	0	258	255	
MM1	0.0109	0.0199	0.0093	0.0196	0	123	
MM2	0.0070	0.0200	0.0000	0.0193	0.0093	0	
	90						15614
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	351	168	351	146	161	
CR2	0.0225	0	336	72	345	349	
MA1	0.0108	0.0215	0	332	163	15	
MA2	0.0225	0.0046	0.0213	0	345	347	
MM1	0.0094	0.0221	0.0104	0.0221	0	153	
MM2	0.0103	0.0224	0.0010	0.0222	0.0098	0	
	91						9860
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	121	152	79	139	152	
CR2	0.0123	0	92	166	88	92	
MA1	0.0154	0.0093	0	189	70	0	
MA2	0.0080	0.0168	0.0192	0	176	189	
MM1	0.0141	0.0089	0.0071	0.0178	0	70	
MM2	0.0154	0.0093	0.0000	0.0192	0.0071	0	

	92						11609
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	192	103	181	126	96	
CR2	0.0165	0	193	71	201	192	
MA1	0.0089	0.0166	0	184	129	111	
MA2	0.0156	0.0061	0.0158	0	192	181	
MM1	0.0109	0.0173	0.0111	0.0165	0	121	
MM2	0.0083	0.0165	0.0096	0.0156	0.0104	0	
	94						8009
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	119	78	118	78	83	
CR2	0.0149	0	112	11	112	116	
MA1	0.0097	0.0140	0	110	0	61	
MA2	0.0147	0.0014	0.0137	0	110	117	
MM1	0.0097	0.0140	0.0000	0.0137	0	61	
MM2	0.0104	0.0145	0.0076	0.0146	0.0076	0	
	96						8566
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	116	112	100	106	107	
CR2	0.0135	0	82	56	86	83	
MA1	0.0131	0.0096	0	108	46	43	
MA2	0.0117	0.0065	0.0126	0	112	113	
MM1	0.0124	0.0100	0.0054	0.0131	0	23	
MM2	0.0125	0.0097	0.0050	0.0132	0.0027	0	
	97						24368
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	468	238	237	209	212	
CR2	0.0192	0	420	419	456	478	
MA1	0.0098	0.0172	0	89	245	244	
MA2	0.0097	0.0172	0.0037	0	240	251	
MM1	0.0086	0.0187	0.0101	0.0098	0	201	
MM2	0.0087	0.0196	0.0100	0.0103	0.0082	0	
	98						20798
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	452	218	461	224	192	
CR2	0.0217	0	454	138	476	448	
MA1	0.0105	0.0218	0	465	189	157	
MA2	0.0222	0.0066	0.0224	0	489	462	
MM1	0.0108	0.0229	0.0091	0.0235	0	32	
MM2	0.0092	0.0215	0.0075	0.0222	0.0015	0	

99							22033
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	539	131	512	548	512	
CR2	0.0245	0	550	215	231	215	
MA1	0.0059	0.0250	0	522	561	522	
MA2	0.0232	0.0098	0.0237	0	198	0	
MM1	0.0249	0.0105	0.0255	0.0090	0	198	
MM2	0.0232	0.0098	0.0237	0.0000	0.0090	0	
101							8821
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	86	95	4	91	90	
CR2	0.0097	0	44	88	41	36	
MA1	0.0108	0.0050	0	97	57	49	
MA2	0.0005	0.0100	0.0110	0	93	92	
MM1	0.0103	0.0046	0.0065	0.0105	0	53	
MM2	0.0102	0.0041	0.0056	0.0104	0.0060	0	
102							17362
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	285	269	170	101	163	
CR2	0.0164	0	158	279	280	298	
MA1	0.0155	0.0091	0	224	268	285	
MA2	0.0098	0.0161	0.0129	0	155	162	
MM1	0.0058	0.0161	0.0154	0.0089	0	158	
MM2	0.0094	0.0172	0.0164	0.0093	0.0091	0	
103							10425
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	222	223	175	128	120	
CR2	0.0213	0	101	170	220	233	
MA1	0.0214	0.0097	0	139	224	234	
MA2	0.0168	0.0163	0.0133	0	183	95	
MM1	0.0123	0.0211	0.0215	0.0176	0	143	
MM2	0.0115	0.0224	0.0224	0.0091	0.0137	0	
104							15517
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	254	85	246	83	85	
CR2	0.0164	0	246	58	246	246	
MA1	0.0055	0.0159	0	236	79	0	
MA2	0.0159	0.0037	0.0152	0	238	236	
MM1	0.0053	0.0159	0.0051	0.0153	0	79	
MM2	0.0055	0.0159	0.0000	0.0152	0.0051	0	

105							10807
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	159	37	150	165	150	
CR2	0.0147	0	158	52	59	52	
MA1	0.0034	0.0146	0	147	162	147	
MA2	0.0139	0.0048	0.0136	0	40	0	
MM1	0.0153	0.0055	0.0150	0.0037	0	40	
MM2	0.0139	0.0048	0.0136	0.0000	0.0037	0	
110							15592
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	293	186	277	164	191	
CR2	0.0188	0	261	111	271	279	
MA1	0.0119	0.0167	0	285	143	160	
MA2	0.0178	0.0071	0.0183	0	303	314	
MM1	0.0105	0.0174	0.0092	0.0194	0	146	
MM2	0.0122	0.0179	0.0103	0.0201	0.0094	0	
111							11601
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	329	116	308	116	155	
CR2	0.0284	0	323	74	323	330	
MA1	0.0100	0.0278	0	299	0	175	
MA2	0.0265	0.0064	0.0258	0	299	308	
MM1	0.0100	0.0278	0.0000	0.0258	0	175	
MM2	0.0134	0.0284	0.0151	0.0265	0.0151	0	
112							17372
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	366	369	250	242	232	
CR2	0.0211	0	65	386	387	383	
MA1	0.0212	0.0037	0	387	391	387	
MA2	0.0144	0.0222	0.0223	0	245	247	
MM1	0.0139	0.0223	0.0225	0.0141	0	56	
MM2	0.0134	0.0220	0.0223	0.0142	0.0032	0	
114							4071
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	64	30	64	30	25	
CR2	0.0157	0	58	16	56	57	
MA1	0.0074	0.0142	0	60	24	23	
MA2	0.0157	0.0039	0.0147	0	60	59	
MM1	0.0074	0.0138	0.0059	0.0147	0	23	
MM2	0.0061	0.0140	0.0056	0.0145	0.0056	0	

115							10101
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	47	251	88	86	88	
CR2	0.0047	0	204	103	105	103	
MA1	0.0248	0.0202	0	256	249	256	
MA2	0.0087	0.0102	0.0253	0	74	0	
MM1	0.0085	0.0104	0.0247	0.0073	0	74	
MM2	0.0087	0.0102	0.0253	0.0000	0.0073	0	
116							9233
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	212	81	194	81	78	
CR2	0.0230	0	218	67	218	201	
MA1	0.0088	0.0236	0	200	0	85	
MA2	0.0210	0.0073	0.0217	0	200	182	
MM1	0.0088	0.0236	0.0000	0.0217	0	85	
MM2	0.0084	0.0218	0.0092	0.0197	0.0092	0	
119							12521
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	201	107	198	88	107	
CR2	0.0161	0	205	52	196	205	
MA1	0.0085	0.0164	0	201	109	0	
MA2	0.0158	0.0042	0.0161	0	197	201	
MM1	0.0070	0.0157	0.0087	0.0157	0	109	
MM2	0.0085	0.0164	0.0000	0.0161	0.0087	0	
120							23585
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	388	227	364	183	183	
CR2	0.0165	0	288	144	397	397	
MA1	0.0096	0.0122	0	218	165	165	
MA2	0.0154	0.0061	0.0092	0	383	383	
MM1	0.0078	0.0168	0.0070	0.0162	0	0	
MM2	0.0078	0.0168	0.0070	0.0162	0.0000	0	
122							11133
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	219	89	218	218	243	
CR2	0.0197	0	221	3	3	96	
MA1	0.0080	0.0199	0	220	220	244	
MA2	0.0196	0.0003	0.0198	0	0	93	
MM1	0.0196	0.0003	0.0198	0.0000	0	93	
MM2	0.0218	0.0086	0.0219	0.0084	0.0084	0	

Table S6: Difference Matrices.

123							11847
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	211	152	207	109	156	
CR2	0.0178	0	231	52	199	223	
MA1	0.0128	0.0195	0	211	121	166	
MA2	0.0175	0.0044	0.0178	0	187	209	
MM1	0.0092	0.0168	0.0102	0.0158	0	153	
MM2	0.0132	0.0188	0.0140	0.0176	0.0129	0	
124							10246
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	240	117	193	107	117	
CR2	0.0234	0	241	178	230	241	
MA1	0.0114	0.0235	0	106	96	0	
MA2	0.0188	0.0174	0.0103	0	166	106	
MM1	0.0104	0.0224	0.0094	0.0162	0	96	
MM2	0.0114	0.0235	0.0000	0.0103	0.0094	0	
125							10022
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	219	49	205	197	205	
CR2	0.0219	0	200	130	104	130	
MA1	0.0049	0.0200	0	186	179	186	
MA2	0.0205	0.0130	0.0186	0	98	0	
MM1	0.0197	0.0104	0.0179	0.0098	0	98	
MM2	0.0205	0.0130	0.0186	0.0000	0.0098	0	
126							11187
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	342	324	278	156	160	
CR2	0.0306	0	137	191	340	321	
MA1	0.0290	0.0122	0	93	329	310	
MA2	0.0249	0.0171	0.0083	0	285	217	
MM1	0.0139	0.0304	0.0294	0.0255	0	161	
MM2	0.0143	0.0287	0.0277	0.0194	0.0144	0	
128							11016
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	129	129	54	54	61	
CR2	0.0117	0	26	127	127	130	
MA1	0.0117	0.0024	0	127	127	130	
MA2	0.0049	0.0115	0.0115	0	0	63	
MM1	0.0049	0.0115	0.0115	0.0000	0	63	
MM2	0.0055	0.0118	0.0118	0.0057	0.0057	0	

129							14754
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	263	259	60	60	207	
CR2	0.0178	0	58	265	265	280	
MA1	0.0176	0.0039	0	262	262	280	
MA2	0.0041	0.0180	0.0178	0	0	231	
MM1	0.0041	0.0180	0.0178	0.0000	0	231	
MM2	0.0140	0.0190	0.0190	0.0157	0.0157	0	
131							18310
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	375	153	374	138	149	
CR2	0.0205	0	346	73	375	360	
MA1	0.0084	0.0189	0	349	146	48	
MA2	0.0204	0.0040	0.0191	0	370	365	
MM1	0.0075	0.0205	0.0080	0.0202	0	104	
MM2	0.0081	0.0197	0.0026	0.0199	0.0057	0	
132							14634
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	353	186	353	186	169	
CR2	0.0241	0	324	83	324	339	
MA1	0.0127	0.0221	0	333	0	184	
MA2	0.0241	0.0057	0.0228	0	333	345	
MM1	0.0127	0.0221	0.0000	0.0228	0	184	
MM2	0.0115	0.0232	0.0126	0.0236	0.0126	0	
133							17959
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	290	166	286	166	163	
CR2	0.0161	0	299	118	299	294	
MA1	0.0092	0.0166	0	298	0	158	
MA2	0.0159	0.0066	0.0166	0	298	290	
MM1	0.0092	0.0166	0.0000	0.0166	0	158	
MM2	0.0091	0.0164	0.0088	0.0161	0.0088	0	
134							13429
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	314	11	321	152	36	
CR2	0.0234	0	321	80	298	326	
MA1	0.0008	0.0239	0	328	149	27	
MA2	0.0239	0.0060	0.0244	0	303	333	
MM1	0.0113	0.0222	0.0111	0.0226	0	122	
MM2	0.0027	0.0243	0.0020	0.0248	0.0091	0	

137							10904
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	71	36	111	36	52	
CR2	0.0065	0	83	54	83	96	
MA1	0.0033	0.0076	0	115	0	58	
MA2	0.0102	0.0050	0.0105	0	115	110	
MM1	0.0033	0.0076	0.0000	0.0105	0	58	
MM2	0.0048	0.0088	0.0053	0.0101	0.0053	0	
138							13470
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	292	150	298	298	298	
CR2	0.0217	0	295	166	174	166	
MA1	0.0111	0.0219	0	297	291	297	
MA2	0.0221	0.0123	0.0220	0	96	0	
MM1	0.0221	0.0129	0.0216	0.0071	0	96	
MM2	0.0221	0.0123	0.0220	0.0000	0.0071	0	
139							12019
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	263	158	264	189	158	
CR2	0.0219	0	252	68	266	252	
MA1	0.0131	0.0210	0	254	216	0	
MA2	0.0220	0.0057	0.0211	0	263	254	
MM1	0.0157	0.0221	0.0180	0.0219	0	216	
MM2	0.0131	0.0210	0.0000	0.0211	0.0180	0	
140							13142
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	301	177	306	178	155	
CR2	0.0229	0	300	146	302	304	
MA1	0.0135	0.0228	0	302	117	179	
MA2	0.0233	0.0111	0.0230	0	309	311	
MM1	0.0135	0.0230	0.0089	0.0235	0	127	
MM2	0.0118	0.0231	0.0136	0.0237	0.0097	0	
141							9510
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	144	218	49	217	236	
CR2	0.0151	0	152	167	124	166	
MA1	0.0229	0.0160	0	215	118	128	
MA2	0.0052	0.0176	0.0226	0	217	233	
MM1	0.0228	0.0130	0.0124	0.0228	0	139	
MM2	0.0248	0.0175	0.0135	0.0245	0.0146	0	

142							10087
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	182	82	169	82	84	
CR2	0.0180	0	190	41	190	188	
MA1	0.0081	0.0188	0	177	0	102	
MA2	0.0168	0.0041	0.0175	0	177	173	
MM1	0.0081	0.0188	0.0000	0.0175	0	102	
MM2	0.0083	0.0186	0.0101	0.0172	0.0101	0	
143							11798
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	229	109	217	124	109	
CR2	0.0194	0	212	76	213	212	
MA1	0.0092	0.0180	0	204	100	0	
MA2	0.0184	0.0064	0.0173	0	207	204	
MM1	0.0105	0.0181	0.0085	0.0175	0	100	
MM2	0.0092	0.0180	0.0000	0.0173	0.0085	0	
144							11897
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	325	316	143	302	309	
CR2	0.0273	0	218	347	222	245	
MA1	0.0266	0.0183	0	340	188	154	
MA2	0.0120	0.0292	0.0286	0	318	329	
MM1	0.0254	0.0187	0.0158	0.0267	0	212	
MM2	0.0260	0.0206	0.0129	0.0277	0.0178	0	
146							12362
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	141	222	75	215	213	
CR2	0.0114	0	161	132	143	148	
MA1	0.0180	0.0130	0	229	95	95	
MA2	0.0061	0.0107	0.0185	0	215	216	
MM1	0.0174	0.0116	0.0077	0.0174	0	90	
MM2	0.0172	0.0120	0.0077	0.0175	0.0073	0	
147							15270
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	251	245	52	245	252	
CR2	0.0164	0	63	234	63	79	
MA1	0.0160	0.0041	0	228	0	68	
MA2	0.0034	0.0153	0.0149	0	228	233	
MM1	0.0160	0.0041	0.0000	0.0149	0	68	
MM2	0.0165	0.0052	0.0045	0.0153	0.0045	0	

148							14701
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	331	168	338	162	189	
CR2	0.0225	0	324	116	326	341	
MA1	0.0114	0.0220	0	318	16	181	
MA2	0.0230	0.0079	0.0216	0	334	347	
MM1	0.0110	0.0222	0.0011	0.0227	0	165	
MM2	0.0129	0.0232	0.0123	0.0236	0.0112	0	
149							14413
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	228	128	241	113	106	
CR2	0.0158	0	235	67	242	238	
MA1	0.0089	0.0163	0	212	134	120	
MA2	0.0167	0.0046	0.0147	0	252	246	
MM1	0.0078	0.0168	0.0093	0.0175	0	98	
MM2	0.0074	0.0165	0.0083	0.0171	0.0068	0	
154							9382
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	157	149	75	54	48	
CR2	0.0167	0	11	132	133	141	
MA1	0.0159	0.0012	0	126	127	135	
MA2	0.0080	0.0141	0.0134	0	53	37	
MM1	0.0058	0.0142	0.0135	0.0056	0	24	
MM2	0.0051	0.0150	0.0144	0.0039	0.0026	0	
156							12178
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	307	281	28	316	281	
CR2	0.0252	0	176	312	180	176	
MA1	0.0231	0.0145	0	286	170	0	
MA2	0.0023	0.0256	0.0235	0	321	286	
MM1	0.0259	0.0148	0.0140	0.0264	0	170	
MM2	0.0231	0.0145	0.0000	0.0235	0.0140	0	
159							12299
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	284	59	266	260	261	
CR2	0.0231	0	285	154	182	169	
MA1	0.0048	0.0232	0	273	257	264	
MA2	0.0216	0.0125	0.0222	0	146	148	
MM1	0.0211	0.0148	0.0209	0.0119	0	157	
MM2	0.0212	0.0137	0.0215	0.0120	0.0128	0	

Table S6: Difference Matrices.

160							9854
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	85	56	23	23	27	
CR2	0.0086	0	37	90	90	89	
MA1	0.0057	0.0038	0	61	61	63	
MA2	0.0023	0.0091	0.0062	0	0	26	
MM1	0.0023	0.0091	0.0062	0.0000	0	26	
MM2	0.0027	0.0090	0.0064	0.0026	0.0026	0	
161							16370
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	371	384	160	386	391	
CR2	0.0227	0	191	393	123	187	
MA1	0.0235	0.0117	0	401	204	206	
MA2	0.0098	0.0240	0.0245	0	409	415	
MM1	0.0236	0.0075	0.0125	0.0250	0	228	
MM2	0.0239	0.0114	0.0126	0.0254	0.0139	0	
165							13402
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	311	155	311	312	307	
CR2	0.0232	0	311	0	150	197	
MA1	0.0116	0.0232	0	311	307	322	
MA2	0.0232	0.0000	0.0232	0	150	197	
MM1	0.0233	0.0112	0.0229	0.0112	0	190	
MM2	0.0229	0.0147	0.0240	0.0147	0.0142	0	
167							13120
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	300	0	297	106	0	
CR2	0.0229	0	300	55	303	300	
MA1	0.0000	0.0229	0	297	106	0	
MA2	0.0226	0.0042	0.0226	0	300	297	
MM1	0.0081	0.0231	0.0081	0.0229	0	106	
MM2	0.0000	0.0229	0.0000	0.0226	0.0081	0	
168							12458
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	305	207	307	189	228	
CR2	0.0245	0	294	99	296	319	
MA1	0.0166	0.0236	0	297	207	203	
MA2	0.0246	0.0079	0.0238	0	300	317	
MM1	0.0152	0.0238	0.0166	0.0241	0	230	
MM2	0.0183	0.0256	0.0163	0.0254	0.0185	0	

Table S6: Difference Matrices.

170							12525
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	211	211	103	118	100	
CR2	0.0168	0	80	228	221	227	
MA1	0.0168	0.0064	0	224	218	221	
MA2	0.0082	0.0182	0.0179	0	129	91	
MM1	0.0094	0.0176	0.0174	0.0103	0	138	
MM2	0.0080	0.0181	0.0176	0.0073	0.0110	0	
172							14980
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	288	162	279	162	141	
CR2	0.0192	0	282	107	282	281	
MA1	0.0108	0.0188	0	281	0	178	
MA2	0.0186	0.0071	0.0188	0	281	276	
MM1	0.0108	0.0188	0.0000	0.0188	0	178	
MM2	0.0094	0.0188	0.0119	0.0184	0.0119	0	
173							11706
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	229	113	234	113	108	
CR2	0.0196	0	220	65	220	231	
MA1	0.0097	0.0188	0	223	0	103	
MA2	0.0200	0.0056	0.0191	0	223	234	
MM1	0.0097	0.0188	0.0000	0.0191	0	103	
MM2	0.0092	0.0197	0.0088	0.0200	0.0088	0	
174							11701
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	157	163	47	157	163	
CR2	0.0134	0	71	156	0	71	
MA1	0.0139	0.0061	0	160	71	0	
MA2	0.0040	0.0133	0.0137	0	156	160	
MM1	0.0134	0.0000	0.0061	0.0133	0	71	
MM2	0.0139	0.0061	0.0000	0.0137	0.0061	0	
175							12168
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	20	270	126	111	126	
CR2	0.0016	0	284	120	103	120	
MA1	0.0222	0.0233	0	271	287	271	
MA2	0.0104	0.0099	0.0223	0	104	0	
MM1	0.0091	0.0085	0.0236	0.0085	0	104	
MM2	0.0104	0.0099	0.0223	0.0000	0.0085	0	

176							14902
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	8	174	198	200	216	
CR2	0.0005	0	182	206	192	208	
MA1	0.0117	0.0122	0	243	247	263	
MA2	0.0133	0.0138	0.0163	0	134	20	
MM1	0.0134	0.0129	0.0166	0.0090	0	114	
MM2	0.0145	0.0140	0.0176	0.0013	0.0076	0	
177							14045
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	165	178	161	142	161	
CR2	0.0117	0	36	243	229	243	
MA1	0.0127	0.0026	0	236	222	236	
MA2	0.0115	0.0173	0.0168	0	116	0	
MM1	0.0101	0.0163	0.0158	0.0083	0	116	
MM2	0.0115	0.0173	0.0168	0.0000	0.0083	0	
178							21442
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	445	192	465	260	245	
CR2	0.0208	0	437	149	447	446	
MA1	0.0090	0.0204	0	463	282	311	
MA2	0.0217	0.0069	0.0216	0	475	469	
MM1	0.0121	0.0208	0.0132	0.0222	0	223	
MM2	0.0114	0.0208	0.0145	0.0219	0.0104	0	
179							13479
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	285	151	276	151	137	
CR2	0.0211	0	292	65	292	275	
MA1	0.0112	0.0217	0	279	0	127	
MA2	0.0205	0.0048	0.0207	0	279	266	
MM1	0.0112	0.0217	0.0000	0.0207	0	127	
MM2	0.0102	0.0204	0.0094	0.0197	0.0094	0	
180							22045
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	554	239	354	239	240	
CR2	0.0251	0	581	454	581	582	
MA1	0.0108	0.0264	0	167	0	1	
MA2	0.0161	0.0206	0.0076	0	167	168	
MM1	0.0108	0.0264	0.0000	0.0076	0	1	
MM2	0.0109	0.0264	0.0000	0.0076	0.0000	0	

181							16863
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	272	275	120	0	129	
CR2	0.0161	0	55	259	272	267	
MA1	0.0163	0.0033	0	261	275	267	
MA2	0.0071	0.0154	0.0155	0	120	120	
MM1	0.0000	0.0161	0.0163	0.0071	0	129	
MM2	0.0076	0.0158	0.0158	0.0071	0.0076	0	
183							9283
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	138	148	32	148	140	
CR2	0.0149	0	61	143	61	16	
MA1	0.0159	0.0066	0	153	0	57	
MA2	0.0034	0.0154	0.0165	0	153	145	
MM1	0.0159	0.0066	0.0000	0.0165	0	57	
MM2	0.0151	0.0017	0.0061	0.0156	0.0061	0	
186							15087
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	220	73	226	73	61	
CR2	0.0146	0	223	32	223	214	
MA1	0.0048	0.0148	0	229	0	66	
MA2	0.0150	0.0021	0.0152	0	229	220	
MM1	0.0048	0.0148	0.0000	0.0152	0	66	
MM2	0.0040	0.0142	0.0044	0.0146	0.0044	0	
187							15800
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	292	282	139	164	154	
CR2	0.0185	0	87	288	298	290	
MA1	0.0178	0.0055	0	278	288	276	
MA2	0.0088	0.0182	0.0176	0	153	160	
MM1	0.0104	0.0189	0.0182	0.0097	0	160	
MM2	0.0097	0.0184	0.0175	0.0101	0.0101	0	
188							12984
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	110	169	169	169	177	
CR2	0.0085	0	253	129	129	104	
MA1	0.0130	0.0195	0	241	241	270	
MA2	0.0130	0.0099	0.0186	0	0	139	
MM1	0.0130	0.0099	0.0186	0.0000	0	139	
MM2	0.0136	0.0080	0.0208	0.0107	0.0107	0	

189							12533
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	161	82	162	82	60	
CR2	0.0128	0	159	41	159	164	
MA1	0.0065	0.0127	0	154	0	75	
MA2	0.0129	0.0033	0.0123	0	154	165	
MM1	0.0065	0.0127	0.0000	0.0123	0	75	
MM2	0.0048	0.0131	0.0060	0.0132	0.0060	0	
197							9844
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	203	206	84	103	84	
CR2	0.0206	0	100	199	217	199	
MA1	0.0209	0.0102	0	198	215	198	
MA2	0.0085	0.0202	0.0201	0	123	0	
MM1	0.0105	0.0220	0.0218	0.0125	0	123	
MM2	0.0085	0.0202	0.0201	0.0000	0.0125	0	
198							10951
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	195	83	194	52	83	
CR2	0.0178	0	207	25	193	207	
MA1	0.0076	0.0189	0	206	63	0	
MA2	0.0177	0.0023	0.0188	0	194	206	
MM1	0.0047	0.0176	0.0058	0.0177	0	63	
MM2	0.0076	0.0189	0.0000	0.0188	0.0058	0	
199							15149
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	310	309	139	169	141	
CR2	0.0205	0	81	322	323	325	
MA1	0.0204	0.0053	0	319	320	324	
MA2	0.0092	0.0213	0.0211	0	166	161	
MM1	0.0112	0.0213	0.0211	0.0110	0	161	
MM2	0.0093	0.0215	0.0214	0.0106	0.0106	0	
201							10462
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	176	63	180	63	84	
CR2	0.0168	0	185	62	185	180	
MA1	0.0060	0.0177	0	193	0	77	
MA2	0.0172	0.0059	0.0184	0	193	186	
MM1	0.0060	0.0177	0.0000	0.0184	0	77	
MM2	0.0080	0.0172	0.0074	0.0178	0.0074	0	

203							12277
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	151	151	42	149	151	
CR2	0.0123	0	0	150	34	0	
MA1	0.0123	0.0000	0	150	34	0	
MA2	0.0034	0.0122	0.0122	0	149	150	
MM1	0.0121	0.0028	0.0028	0.0121	0	34	
MM2	0.0123	0.0000	0.0000	0.0122	0.0028	0	
204							10906
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	247	225	88	236	244	
CR2	0.0226	0	157	247	162	141	
MA1	0.0206	0.0144	0	232	140	150	
MA2	0.0081	0.0226	0.0213	0	238	241	
MM1	0.0216	0.0149	0.0128	0.0218	0	128	
MM2	0.0224	0.0129	0.0138	0.0221	0.0117	0	
205							6020
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	96	99	89	69	59	
CR2	0.0159	0	5	101	94	90	
MA1	0.0164	0.0008	0	104	97	93	
MA2	0.0148	0.0168	0.0173	0	50	46	
MM1	0.0115	0.0156	0.0161	0.0083	0	14	
MM2	0.0098	0.0150	0.0154	0.0076	0.0023	0	
206							11220
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	93	237	131	256	193	
CR2	0.0083	0	264	38	281	260	
MA1	0.0211	0.0235	0	270	136	121	
MA2	0.0117	0.0034	0.0241	0	288	263	
MM1	0.0228	0.0250	0.0121	0.0257	0	133	
MM2	0.0172	0.0232	0.0108	0.0234	0.0119	0	
207							9591
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	102	108	65	0	65	
CR2	0.0106	0	38	111	102	111	
MA1	0.0113	0.0040	0	111	108	111	
MA2	0.0068	0.0116	0.0116	0	65	0	
MM1	0.0000	0.0106	0.0113	0.0068	0	65	
MM2	0.0068	0.0116	0.0116	0.0000	0.0068	0	

208							4768
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	70	33	74	36	31	
CR2	0.0147	0	70	18	66	55	
MA1	0.0069	0.0147	0	74	34	45	
MA2	0.0155	0.0038	0.0155	0	70	59	
MM1	0.0076	0.0138	0.0071	0.0147	0	47	
MM2	0.0065	0.0115	0.0094	0.0124	0.0099	0	
209							20956
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	219	222	65	65	75	
CR2	0.0105	0	50	210	210	206	
MA1	0.0106	0.0024	0	213	213	209	
MA2	0.0031	0.0100	0.0102	0	0	80	
MM1	0.0031	0.0100	0.0102	0.0000	0	80	
MM2	0.0036	0.0098	0.0100	0.0038	0.0038	0	
210							6858
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	45	39	17	17	10	
CR2	0.0066	0	16	46	46	45	
MA1	0.0057	0.0023	0	34	34	37	
MA2	0.0025	0.0067	0.0050	0	0	15	
MM1	0.0025	0.0067	0.0050	0.0000	0	15	
MM2	0.0015	0.0066	0.0054	0.0022	0.0022	0	
211							12335
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	294	132	291	119	123	
CR2	0.0238	0	256	89	289	287	
MA1	0.0107	0.0208	0	233	142	130	
MA2	0.0236	0.0072	0.0189	0	288	284	
MM1	0.0096	0.0234	0.0115	0.0233	0	113	
MM2	0.0100	0.0233	0.0105	0.0230	0.0092	0	
212							11850
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	254	195	188	158	130	
CR2	0.0214	0	127	121	237	228	
MA1	0.0165	0.0107	0	180	179	162	
MA2	0.0159	0.0102	0.0152	0	202	175	
MM1	0.0133	0.0200	0.0151	0.0170	0	132	
MM2	0.0110	0.0192	0.0137	0.0148	0.0111	0	

213							23936
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	529	298	549	299	335	
CR2	0.0221	0	510	138	511	516	
MA1	0.0124	0.0213	0	520	1	320	
MA2	0.0229	0.0058	0.0217	0	521	527	
MM1	0.0125	0.0213	0.0000	0.0218	0	319	
MM2	0.0140	0.0216	0.0134	0.0220	0.0133	0	
216							12934
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	135	99	189	200	158	
CR2	0.0104	0	178	84	267	230	
MA1	0.0077	0.0138	0	133	204	147	
MA2	0.0146	0.0065	0.0103	0	271	242	
MM1	0.0155	0.0206	0.0158	0.0210	0	213	
MM2	0.0122	0.0178	0.0114	0.0187	0.0165	0	
217							11135
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	273	48	266	141	48	
CR2	0.0245	0	262	86	255	262	
MA1	0.0043	0.0235	0	259	138	0	
MA2	0.0239	0.0077	0.0233	0	250	259	
MM1	0.0127	0.0229	0.0124	0.0225	0	138	
MM2	0.0043	0.0235	0.0000	0.0233	0.0124	0	
218							14214
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	298	283	74	301	287	
CR2	0.0210	0	73	299	116	134	
MA1	0.0199	0.0051	0	276	127	131	
MA2	0.0052	0.0210	0.0194	0	294	282	
MM1	0.0212	0.0082	0.0089	0.0207	0	132	
MM2	0.0202	0.0094	0.0092	0.0198	0.0093	0	
220							14620
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	307	0	305	0	123	
CR2	0.0210	0	307	73	307	302	
MA1	0.0000	0.0210	0	305	0	123	
MA2	0.0209	0.0050	0.0209	0	305	301	
MM1	0.0000	0.0210	0.0000	0.0209	0	123	
MM2	0.0084	0.0207	0.0084	0.0206	0.0084	0	

222							12476
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	156	162	0	162	156	
CR2	0.0125	0	95	156	95	97	
MA1	0.0130	0.0076	0	162	0	107	
MA2	0.0000	0.0125	0.0130	0	162	156	
MM1	0.0130	0.0076	0.0000	0.0130	0	107	
MM2	0.0125	0.0078	0.0086	0.0125	0.0086	0	
223							12325
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	288	141	280	163	139	
CR2	0.0234	0	272	111	290	264	
MA1	0.0114	0.0221	0	266	156	113	
MA2	0.0227	0.0090	0.0216	0	279	262	
MM1	0.0132	0.0235	0.0127	0.0226	0	148	
MM2	0.0113	0.0214	0.0092	0.0213	0.0120	0	
224							12473
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	195	209	125	148	125	
CR2	0.0156	0	72	198	192	198	
MA1	0.0168	0.0058	0	210	198	210	
MA2	0.0100	0.0159	0.0168	0	159	0	
MM1	0.0119	0.0154	0.0159	0.0127	0	159	
MM2	0.0100	0.0159	0.0168	0.0000	0.0127	0	
227							10819
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	267	283	0	146	136	
CR2	0.0247	0	59	267	274	273	
MA1	0.0262	0.0055	0	283	291	289	
MA2	0.0000	0.0247	0.0262	0	146	136	
MM1	0.0135	0.0253	0.0269	0.0135	0	101	
MM2	0.0126	0.0252	0.0267	0.0126	0.0093	0	
228							13188
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	244	101	242	116	101	
CR2	0.0185	0	245	83	238	245	
MA1	0.0077	0.0186	0	241	101	0	
MA2	0.0184	0.0063	0.0183	0	236	241	
MM1	0.0088	0.0180	0.0077	0.0179	0	101	
MM2	0.0077	0.0186	0.0000	0.0183	0.0077	0	

231							10881
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	196	203	204	38	118	
CR2	0.0180	0	55	53	189	185	
MA1	0.0187	0.0051	0	4	194	191	
MA2	0.0187	0.0049	0.0004	0	195	190	
MM1	0.0035	0.0174	0.0178	0.0179	0	116	
MM2	0.0108	0.0170	0.0176	0.0175	0.0107	0	
232							11762
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	294	188	312	188	121	
CR2	0.0250	0	293	161	293	304	
MA1	0.0160	0.0249	0	303	0	169	
MA2	0.0265	0.0137	0.0258	0	303	312	
MM1	0.0160	0.0249	0.0000	0.0258	0	169	
MM2	0.0103	0.0258	0.0144	0.0265	0.0144	0	
233							13283
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	247	96	241	37	96	
CR2	0.0186	0	236	46	245	236	
MA1	0.0072	0.0178	0	230	97	0	
MA2	0.0181	0.0035	0.0173	0	239	230	
MM1	0.0028	0.0184	0.0073	0.0180	0	97	
MM2	0.0072	0.0178	0.0000	0.0173	0.0073	0	
235							15877
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	360	346	207	171	137	
CR2	0.0227	0	98	341	349	372	
MA1	0.0218	0.0062	0	340	338	360	
MA2	0.0130	0.0215	0.0214	0	210	224	
MM1	0.0108	0.0220	0.0213	0.0132	0	160	
MM2	0.0086	0.0234	0.0227	0.0141	0.0101	0	
237							11297
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	234	77	238	233	230	
CR2	0.0207	0	228	74	91	74	
MA1	0.0068	0.0202	0	244	229	225	
MA2	0.0211	0.0066	0.0216	0	95	87	
MM1	0.0206	0.0081	0.0203	0.0084	0	87	
MM2	0.0204	0.0066	0.0199	0.0077	0.0077	0	

239							14851
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	365	180	352	190	155	
CR2	0.0246	0	379	133	387	366	
MA1	0.0121	0.0255	0	365	191	169	
MA2	0.0237	0.0090	0.0246	0	374	353	
MM1	0.0128	0.0261	0.0129	0.0252	0	147	
MM2	0.0104	0.0246	0.0114	0.0238	0.0099	0	
240							12500
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	248	124	241	148	151	
CR2	0.0198	0	227	68	240	262	
MA1	0.0099	0.0182	0	222	130	139	
MA2	0.0193	0.0054	0.0178	0	234	259	
MM1	0.0118	0.0192	0.0104	0.0187	0	148	
MM2	0.0121	0.0210	0.0111	0.0207	0.0118	0	
242							26124
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	612	602	397	346	379	
CR2	0.0234	0	201	607	593	608	
MA1	0.0230	0.0077	0	617	600	613	
MA2	0.0152	0.0232	0.0236	0	418	409	
MM1	0.0132	0.0227	0.0230	0.0160	0	327	
MM2	0.0145	0.0233	0.0235	0.0157	0.0125	0	
243							16373
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	291	172	288	172	175	
CR2	0.0178	0	286	86	286	278	
MA1	0.0105	0.0175	0	292	0	45	
MA2	0.0176	0.0053	0.0178	0	292	284	
MM1	0.0105	0.0175	0.0000	0.0178	0	45	
MM2	0.0107	0.0170	0.0027	0.0173	0.0027	0	
245							12089
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	235	254	149	142	149	
CR2	0.0194	0	87	252	248	252	
MA1	0.0210	0.0072	0	257	263	257	
MA2	0.0123	0.0208	0.0213	0	133	0	
MM1	0.0117	0.0205	0.0218	0.0110	0	133	
MM2	0.0123	0.0208	0.0213	0.0000	0.0110	0	

246							18758
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	492	264	483	246	264	
CR2	0.0262	0	473	163	480	473	
MA1	0.0141	0.0252	0	422	306	0	
MA2	0.0257	0.0087	0.0225	0	500	422	
MM1	0.0131	0.0256	0.0163	0.0267	0	306	
MM2	0.0141	0.0252	0.0000	0.0225	0.0163	0	
247							13639
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	267	245	47	274	255	
CR2	0.0196	0	95	258	122	107	
MA1	0.0180	0.0070	0	239	95	87	
MA2	0.0034	0.0189	0.0175	0	266	246	
MM1	0.0201	0.0089	0.0070	0.0195	0	100	
MM2	0.0187	0.0078	0.0064	0.0180	0.0073	0	
248							12426
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	209	93	231	99	93	
CR2	0.0168	0	202	79	215	202	
MA1	0.0075	0.0163	0	229	84	0	
MA2	0.0186	0.0064	0.0184	0	238	229	
MM1	0.0080	0.0173	0.0068	0.0192	0	84	
MM2	0.0075	0.0163	0.0000	0.0184	0.0068	0	
249							11825
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	156	166	65	166	166	
CR2	0.0132	0	102	161	88	102	
MA1	0.0140	0.0086	0	171	102	0	
MA2	0.0055	0.0136	0.0145	0	168	171	
MM1	0.0140	0.0074	0.0086	0.0142	0	102	
MM2	0.0140	0.0086	0.0000	0.0145	0.0086	0	
250							14740
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	60	112	281	112	119	
CR2	0.0041	0	124	261	124	127	
MA1	0.0076	0.0084	0	283	18	103	
MA2	0.0191	0.0177	0.0192	0	283	291	
MM1	0.0076	0.0084	0.0012	0.0192	0	85	
MM2	0.0081	0.0086	0.0070	0.0197	0.0058	0	

Table S6: Difference Matrices.

251							13127
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	262	145	272	155	150	
CR2	0.0200	0	284	82	291	290	
MA1	0.0110	0.0216	0	297	127	133	
MA2	0.0207	0.0062	0.0226	0	304	304	
MM1	0.0118	0.0222	0.0097	0.0232	0	85	
MM2	0.0114	0.0221	0.0101	0.0232	0.0065	0	
252							6201
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	100	29	98	109	108	
CR2	0.0161	0	95	66	85	66	
MA1	0.0047	0.0153	0	93	104	103	
MA2	0.0158	0.0106	0.0150	0	69	65	
MM1	0.0176	0.0137	0.0168	0.0111	0	78	
MM2	0.0174	0.0106	0.0166	0.0105	0.0126	0	
253							11706
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	152	141	55	143	142	
CR2	0.0130	0	88	159	82	81	
MA1	0.0120	0.0075	0	146	80	79	
MA2	0.0047	0.0136	0.0125	0	146	145	
MM1	0.0122	0.0070	0.0068	0.0125	0	1	
MM2	0.0121	0.0069	0.0067	0.0124	0.0001	0	
256							10706
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	174	71	177	61	71	
CR2	0.0163	0	179	21	183	179	
MA1	0.0066	0.0167	0	182	84	0	
MA2	0.0165	0.0020	0.0170	0	186	182	
MM1	0.0057	0.0171	0.0078	0.0174	0	84	
MM2	0.0066	0.0167	0.0000	0.0170	0.0078	0	
257							9720
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	202	152	180	148	152	
CR2	0.0208	0	150	118	166	150	
MA1	0.0156	0.0154	0	195	123	0	
MA2	0.0185	0.0121	0.0201	0	202	195	
MM1	0.0152	0.0171	0.0127	0.0208	0	123	
MM2	0.0156	0.0154	0.0000	0.0201	0.0127	0	

258							16555
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	324	325	156	139	0	
CR2	0.0196	0	56	315	307	324	
MA1	0.0196	0.0034	0	317	306	325	
MA2	0.0094	0.0190	0.0191	0	147	156	
MM1	0.0084	0.0185	0.0185	0.0089	0	139	
MM2	0.0000	0.0196	0.0196	0.0094	0.0084	0	
259							9510
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	288	260	161	149	199	
CR2	0.0303	0	136	283	291	298	
MA1	0.0273	0.0143	0	237	272	271	
MA2	0.0169	0.0298	0.0249	0	209	215	
MM1	0.0157	0.0306	0.0286	0.0220	0	162	
MM2	0.0209	0.0313	0.0285	0.0226	0.0170	0	
261							9311
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	146	77	138	78	78	
CR2	0.0157	0	122	75	129	136	
MA1	0.0083	0.0131	0	116	7	89	
MA2	0.0148	0.0081	0.0125	0	123	132	
MM1	0.0084	0.0139	0.0008	0.0132	0	90	
MM2	0.0084	0.0146	0.0096	0.0142	0.0097	0	
262							10784
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	149	62	153	55	62	
CR2	0.0138	0	159	54	153	159	
MA1	0.0057	0.0147	0	162	63	0	
MA2	0.0142	0.0050	0.0150	0	154	162	
MM1	0.0051	0.0142	0.0058	0.0143	0	63	
MM2	0.0057	0.0147	0.0000	0.0150	0.0058	0	
264							13931
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	146	47	133	47	52	
CR2	0.0105	0	144	25	144	145	
MA1	0.0034	0.0103	0	131	0	54	
MA2	0.0095	0.0018	0.0094	0	131	132	
MM1	0.0034	0.0103	0.0000	0.0094	0	54	
MM2	0.0037	0.0104	0.0039	0.0095	0.0039	0	

265							8721
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	131	158	249	125	122	
CR2	0.0150	0	186	124	191	162	
MA1	0.0181	0.0213	0	246	161	78	
MA2	0.0286	0.0142	0.0282	0	234	242	
MM1	0.0143	0.0219	0.0185	0.0268	0	143	
MM2	0.0140	0.0186	0.0089	0.0277	0.0164	0	
266							16146
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	210	215	50	227	215	
CR2	0.0130	0	23	231	63	23	
MA1	0.0133	0.0014	0	236	68	0	
MA2	0.0031	0.0143	0.0146	0	248	236	
MM1	0.0141	0.0039	0.0042	0.0154	0	68	
MM2	0.0133	0.0014	0.0000	0.0146	0.0042	0	
267							17862
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	412	439	202	193	184	
CR2	0.0231	0	54	427	427	426	
MA1	0.0246	0.0030	0	450	452	449	
MA2	0.0113	0.0239	0.0252	0	190	78	
MM1	0.0108	0.0239	0.0253	0.0106	0	190	
MM2	0.0103	0.0238	0.0251	0.0044	0.0106	0	
268							11333
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	85	42	90	42	33	
CR2	0.0075	0	88	27	88	81	
MA1	0.0037	0.0078	0	93	0	33	
MA2	0.0079	0.0024	0.0082	0	93	86	
MM1	0.0037	0.0078	0.0000	0.0082	0	33	
MM2	0.0029	0.0071	0.0029	0.0076	0.0029	0	
270							11444
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	121	39	124	59	39	
CR2	0.0106	0	127	32	126	127	
MA1	0.0034	0.0111	0	128	52	0	
MA2	0.0108	0.0028	0.0112	0	127	128	
MM1	0.0052	0.0110	0.0045	0.0111	0	52	
MM2	0.0034	0.0111	0.0000	0.0112	0.0045	0	

273							12242
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	214	95	212	95	85	
CR2	0.0175	0	214	40	214	184	
MA1	0.0078	0.0175	0	201	0	80	
MA2	0.0173	0.0033	0.0164	0	201	184	
MM1	0.0078	0.0175	0.0000	0.0164	0	80	
MM2	0.0069	0.0150	0.0065	0.0150	0.0065	0	
275							11688
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	286	156	286	149	156	
CR2	0.0245	0	290	0	284	290	
MA1	0.0133	0.0248	0	290	165	0	
MA2	0.0245	0.0000	0.0248	0	284	290	
MM1	0.0127	0.0243	0.0141	0.0243	0	165	
MM2	0.0133	0.0248	0.0000	0.0248	0.0141	0	
276							9082
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	102	109	13	109	113	
CR2	0.0112	0	25	102	25	24	
MA1	0.0120	0.0028	0	109	0	29	
MA2	0.0014	0.0112	0.0120	0	109	113	
MM1	0.0120	0.0028	0.0000	0.0120	0	29	
MM2	0.0124	0.0026	0.0032	0.0124	0.0032	0	
277							10843
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	183	16	183	69	16	
CR2	0.0169	0	187	48	186	187	
MA1	0.0015	0.0172	0	185	73	0	
MA2	0.0169	0.0044	0.0171	0	182	185	
MM1	0.0064	0.0172	0.0067	0.0168	0	73	
MM2	0.0015	0.0172	0.0000	0.0171	0.0067	0	
278							15048
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	339	278	286	194	193	
CR2	0.0225	0	227	194	331	321	
MA1	0.0185	0.0151	0	129	287	259	
MA2	0.0190	0.0129	0.0086	0	281	264	
MM1	0.0129	0.0220	0.0191	0.0187	0	187	
MM2	0.0128	0.0213	0.0172	0.0175	0.0124	0	

279							12895
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	264	264	93	254	248	
CR2	0.0205	0	155	277	125	138	
MA1	0.0205	0.0120	0	279	130	153	
MA2	0.0072	0.0215	0.0216	0	265	269	
MM1	0.0197	0.0097	0.0101	0.0206	0	150	
MM2	0.0192	0.0107	0.0119	0.0209	0.0116	0	
280							9542
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	146	78	153	62	49	
CR2	0.0153	0	116	33	157	144	
MA1	0.0082	0.0122	0	111	101	40	
MA2	0.0160	0.0035	0.0116	0	164	151	
MM1	0.0065	0.0165	0.0106	0.0172	0	76	
MM2	0.0051	0.0151	0.0042	0.0158	0.0080	0	
281							16255
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	393	145	401	137	190	
CR2	0.0242	0	369	150	374	401	
MA1	0.0089	0.0227	0	377	170	194	
MA2	0.0247	0.0092	0.0232	0	385	408	
MM1	0.0084	0.0230	0.0105	0.0237	0	208	
MM2	0.0117	0.0247	0.0119	0.0251	0.0128	0	
282							15093
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	275	265	85	273	269	
CR2	0.0182	0	158	284	99	123	
MA1	0.0176	0.0105	0	275	145	140	
MA2	0.0056	0.0188	0.0182	0	279	276	
MM1	0.0181	0.0066	0.0096	0.0185	0	108	
MM2	0.0178	0.0081	0.0093	0.0183	0.0072	0	
283							16951
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	471	471	413	325	340	
CR2	0.0278	0	180	232	444	430	
MA1	0.0278	0.0106	0	170	404	431	
MA2	0.0244	0.0137	0.0100	0	262	363	
MM1	0.0192	0.0262	0.0238	0.0155	0	300	
MM2	0.0201	0.0254	0.0254	0.0214	0.0177	0	

284							19766
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	207	319	119	316	325	
CR2	0.0105	0	212	257	194	227	
MA1	0.0161	0.0107	0	332	172	137	
MA2	0.0060	0.0130	0.0168	0	331	339	
MM1	0.0160	0.0098	0.0087	0.0167	0	174	
MM2	0.0164	0.0115	0.0069	0.0172	0.0088	0	
287							22865
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	539	250	537	251	240	
CR2	0.0236	0	541	162	569	554	
MA1	0.0109	0.0237	0	535	261	242	
MA2	0.0235	0.0071	0.0234	0	562	550	
MM1	0.0110	0.0249	0.0114	0.0246	0	267	
MM2	0.0105	0.0242	0.0106	0.0241	0.0117	0	
290							8590
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	161	38	35	74	81	
CR2	0.0187	0	132	132	146	156	
MA1	0.0044	0.0154	0	9	82	94	
MA2	0.0041	0.0154	0.0010	0	85	91	
MM1	0.0086	0.0170	0.0095	0.0099	0	71	
MM2	0.0094	0.0182	0.0109	0.0106	0.0083	0	
291							11158
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	340	292	77	356	338	
CR2	0.0305	0	54	322	209	6	
MA1	0.0262	0.0048	0	268	245	52	
MA2	0.0069	0.0289	0.0240	0	340	320	
MM1	0.0319	0.0187	0.0220	0.0305	0	205	
MM2	0.0303	0.0005	0.0047	0.0287	0.0184	0	
297							13382
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	292	100	294	100	83	
CR2	0.0218	0	290	89	290	290	
MA1	0.0075	0.0217	0	293	0	142	
MA2	0.0220	0.0067	0.0219	0	293	293	
MM1	0.0075	0.0217	0.0000	0.0219	0	142	
MM2	0.0062	0.0217	0.0106	0.0219	0.0106	0	

300							12407
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	123	159	167	0	99	
CR2	0.0099	0	134	144	123	154	
MA1	0.0128	0.0108	0	45	159	121	
MA2	0.0135	0.0116	0.0036	0	167	127	
MM1	0.0000	0.0099	0.0128	0.0135	0	99	
MM2	0.0080	0.0124	0.0098	0.0102	0.0080	0	
302							11498
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	224	142	223	142	137	
CR2	0.0195	0	225	63	225	208	
MA1	0.0123	0.0196	0	220	0	115	
MA2	0.0194	0.0055	0.0191	0	220	208	
MM1	0.0123	0.0196	0.0000	0.0191	0	115	
MM2	0.0119	0.0181	0.0100	0.0181	0.0100	0	
303							9258
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	137	27	132	27	53	
CR2	0.0148	0	128	48	128	128	
MA1	0.0029	0.0138	0	123	0	46	
MA2	0.0143	0.0052	0.0133	0	123	127	
MM1	0.0029	0.0138	0.0000	0.0133	0	46	
MM2	0.0057	0.0138	0.0050	0.0137	0.0050	0	
304							17409
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	361	198	355	200	198	
CR2	0.0207	0	325	44	346	329	
MA1	0.0114	0.0187	0	319	178	18	
MA2	0.0204	0.0025	0.0183	0	341	323	
MM1	0.0115	0.0199	0.0102	0.0196	0	180	
MM2	0.0114	0.0189	0.0010	0.0186	0.0103	0	
308							13935
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	195	104	141	31	86	
CR2	0.0140	0	193	107	201	205	
MA1	0.0075	0.0139	0	102	98	24	
MA2	0.0101	0.0077	0.0073	0	147	126	
MM1	0.0022	0.0144	0.0070	0.0105	0	81	
MM2	0.0062	0.0147	0.0017	0.0090	0.0058	0	

311							10664
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	144	48	148	49	48	
CR2	0.0135	0	135	53	132	135	
MA1	0.0045	0.0127	0	138	21	0	
MA2	0.0139	0.0050	0.0129	0	135	138	
MM1	0.0046	0.0124	0.0020	0.0127	0	21	
MM2	0.0045	0.0127	0.0000	0.0129	0.0020	0	
312							12618
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	168	70	171	70	75	
CR2	0.0133	0	155	35	155	153	
MA1	0.0055	0.0123	0	160	0	49	
MA2	0.0136	0.0028	0.0127	0	160	156	
MM1	0.0055	0.0123	0.0000	0.0127	0	49	
MM2	0.0059	0.0121	0.0039	0.0124	0.0039	0	
313							11017
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	87	145	162	221	238	
CR2	0.0079	0	195	144	239	251	
MA1	0.0132	0.0177	0	74	141	199	
MA2	0.0147	0.0131	0.0067	0	215	243	
MM1	0.0201	0.0217	0.0128	0.0195	0	78	
MM2	0.0216	0.0228	0.0181	0.0221	0.0071	0	
315							14756
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	177	59	175	48	59	
CR2	0.0120	0	170	25	172	170	
MA1	0.0040	0.0115	0	168	57	0	
MA2	0.0119	0.0017	0.0114	0	170	168	
MM1	0.0033	0.0117	0.0039	0.0115	0	57	
MM2	0.0040	0.0115	0.0000	0.0114	0.0039	0	
316							14582
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	184	54	183	194	183	
CR2	0.0126	0	198	94	82	94	
MA1	0.0037	0.0136	0	195	208	195	
MA2	0.0125	0.0064	0.0134	0	89	0	
MM1	0.0133	0.0056	0.0143	0.0061	0	89	
MM2	0.0125	0.0064	0.0134	0.0000	0.0061	0	

317							12769
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	297	152	303	165	152	
CR2	0.0233	0	295	88	315	295	
MA1	0.0119	0.0231	0	310	152	0	
MA2	0.0237	0.0069	0.0243	0	324	310	
MM1	0.0129	0.0247	0.0119	0.0254	0	152	
MM2	0.0119	0.0231	0.0000	0.0243	0.0119	0	
318							13424
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	271	250	51	266	280	
CR2	0.0202	0	122	263	120	114	
MA1	0.0186	0.0091	0	236	142	36	
MA2	0.0038	0.0196	0.0176	0	258	272	
MM1	0.0198	0.0089	0.0106	0.0192	0	128	
MM2	0.0209	0.0085	0.0027	0.0203	0.0095	0	
319							14205
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	175	176	95	95	87	
CR2	0.0123	0	31	156	176	165	
MA1	0.0124	0.0022	0	149	177	170	
MA2	0.0067	0.0110	0.0105	0	97	21	
MM1	0.0067	0.0124	0.0125	0.0068	0	87	
MM2	0.0061	0.0116	0.0120	0.0015	0.0061	0	
320							10719
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	130	93	151	91	89	
CR2	0.0121	0	127	61	140	153	
MA1	0.0087	0.0118	0	143	80	83	
MA2	0.0141	0.0057	0.0133	0	158	165	
MM1	0.0085	0.0131	0.0075	0.0147	0	71	
MM2	0.0083	0.0143	0.0077	0.0154	0.0066	0	
322							10461
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	164	173	101	101	116	
CR2	0.0157	0	39	172	172	170	
MA1	0.0165	0.0037	0	175	175	177	
MA2	0.0097	0.0164	0.0167	0	0	58	
MM1	0.0097	0.0164	0.0167	0.0000	0	58	
MM2	0.0111	0.0163	0.0169	0.0055	0.0055	0	

324							10252
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	217	197	134	162	134	
CR2	0.0212	0	71	198	212	198	
MA1	0.0192	0.0069	0	174	188	174	
MA2	0.0131	0.0193	0.0170	0	128	0	
MM1	0.0158	0.0207	0.0183	0.0125	0	128	
MM2	0.0131	0.0193	0.0170	0.0000	0.0125	0	
326							15107
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	201	67	200	199	200	
CR2	0.0133	0	186	72	73	72	
MA1	0.0044	0.0123	0	189	188	189	
MA2	0.0132	0.0048	0.0125	0	81	0	
MM1	0.0132	0.0048	0.0124	0.0054	0	81	
MM2	0.0132	0.0048	0.0125	0.0000	0.0054	0	
329							17384
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	357	213	353	231	226	
CR2	0.0205	0	337	100	346	344	
MA1	0.0123	0.0194	0	331	102	175	
MA2	0.0203	0.0058	0.0190	0	335	344	
MM1	0.0133	0.0199	0.0059	0.0193	0	176	
MM2	0.0130	0.0198	0.0101	0.0198	0.0101	0	
334							6212
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	150	122	74	71	66	
CR2	0.0241	0	72	127	132	144	
MA1	0.0196	0.0116	0	95	86	112	
MA2	0.0119	0.0204	0.0153	0	9	68	
MM1	0.0114	0.0212	0.0138	0.0014	0	61	
MM2	0.0106	0.0232	0.0180	0.0109	0.0098	0	
335							11776
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	227	218	47	205	222	
CR2	0.0193	0	141	226	132	146	
MA1	0.0185	0.0120	0	220	124	143	
MA2	0.0040	0.0192	0.0187	0	199	224	
MM1	0.0174	0.0112	0.0105	0.0169	0	109	
MM2	0.0189	0.0124	0.0121	0.0190	0.0093	0	

336							8843
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	118	17	117	2	1	
CR2	0.0133	0	120	33	116	117	
MA1	0.0019	0.0136	0	119	17	16	
MA2	0.0132	0.0037	0.0135	0	115	116	
MM1	0.0002	0.0131	0.0019	0.0130	0	3	
MM2	0.0001	0.0132	0.0018	0.0131	0.0003	0	
337							12346
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	126	173	97	165	173	
CR2	0.0102	0	67	201	106	69	
MA1	0.0140	0.0054	0	190	97	64	
MA2	0.0079	0.0163	0.0154	0	192	199	
MM1	0.0134	0.0086	0.0079	0.0156	0	113	
MM2	0.0140	0.0056	0.0052	0.0161	0.0092	0	
342							12842
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	277	172	271	164	185	
CR2	0.0216	0	283	10	290	302	
MA1	0.0134	0.0220	0	277	163	207	
MA2	0.0211	0.0008	0.0216	0	284	296	
MM1	0.0128	0.0226	0.0127	0.0221	0	152	
MM2	0.0144	0.0235	0.0161	0.0230	0.0118	0	
343							15883
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	359	179	358	167	179	
CR2	0.0226	0	370	96	372	370	
MA1	0.0113	0.0233	0	369	172	0	
MA2	0.0225	0.0060	0.0232	0	373	369	
MM1	0.0105	0.0234	0.0108	0.0235	0	172	
MM2	0.0113	0.0233	0.0000	0.0232	0.0108	0	
344							20715
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	538	511	144	493	510	
CR2	0.0260	0	320	519	293	297	
MA1	0.0247	0.0154	0	490	224	288	
MA2	0.0070	0.0251	0.0237	0	475	495	
MM1	0.0238	0.0141	0.0108	0.0229	0	279	
MM2	0.0246	0.0143	0.0139	0.0239	0.0135	0	

346							23486
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	487	288	483	300	288	
CR2	0.0207	0	475	88	456	475	
MA1	0.0123	0.0202	0	473	274	0	
MA2	0.0206	0.0037	0.0201	0	453	473	
MM1	0.0128	0.0194	0.0117	0.0193	0	274	
MM2	0.0123	0.0202	0.0000	0.0201	0.0117	0	
348							9735
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	133	136	57	44	51	
CR2	0.0137	0	36	130	130	132	
MA1	0.0140	0.0037	0	129	128	131	
MA2	0.0059	0.0134	0.0133	0	46	58	
MM1	0.0045	0.0134	0.0131	0.0047	0	48	
MM2	0.0052	0.0136	0.0135	0.0060	0.0049	0	
349							10583
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	157	91	159	90	82	
CR2	0.0148	0	157	64	164	165	
MA1	0.0086	0.0148	0	157	85	106	
MA2	0.0150	0.0060	0.0148	0	165	167	
MM1	0.0085	0.0155	0.0080	0.0156	0	101	
MM2	0.0077	0.0156	0.0100	0.0158	0.0095	0	
352							16727
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	288	139	285	141	139	
CR2	0.0172	0	289	111	295	289	
MA1	0.0083	0.0173	0	278	136	0	
MA2	0.0170	0.0066	0.0166	0	278	278	
MM1	0.0084	0.0176	0.0081	0.0166	0	136	
MM2	0.0083	0.0173	0.0000	0.0166	0.0081	0	
354							13162
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	360	100	144	361	345	
CR2	0.0274	0	335	306	196	182	
MA1	0.0076	0.0255	0	140	311	326	
MA2	0.0109	0.0232	0.0106	0	259	285	
MM1	0.0274	0.0149	0.0236	0.0197	0	177	
MM2	0.0262	0.0138	0.0248	0.0217	0.0134	0	

356							3160
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	33	16	35	18	19	
CR2	0.0104	0	33	8	33	32	
MA1	0.0051	0.0104	0	35	14	11	
MA2	0.0111	0.0025	0.0111	0	35	34	
MM1	0.0057	0.0104	0.0044	0.0111	0	9	
MM2	0.0060	0.0101	0.0035	0.0108	0.0028	0	
358							10976
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	127	79	87	56	70	
CR2	0.0116	0	121	103	114	124	
MA1	0.0072	0.0110	0	22	70	67	
MA2	0.0079	0.0094	0.0020	0	76	77	
MM1	0.0051	0.0104	0.0064	0.0069	0	64	
MM2	0.0064	0.0113	0.0061	0.0070	0.0058	0	
361							10100
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	208	197	158	197	228	
CR2	0.0206	0	86	203	86	157	
MA1	0.0195	0.0085	0	145	0	144	
MA2	0.0156	0.0201	0.0144	0	145	192	
MM1	0.0195	0.0085	0.0000	0.0144	0	144	
MM2	0.0226	0.0155	0.0143	0.0190	0.0143	0	
362							6892
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	100	79	99	47	48	
CR2	0.0145	0	78	49	105	105	
MA1	0.0115	0.0113	0	53	54	74	
MA2	0.0144	0.0071	0.0077	0	106	108	
MM1	0.0068	0.0152	0.0078	0.0154	0	36	
MM2	0.0070	0.0152	0.0107	0.0157	0.0052	0	
364							2705
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	0	58	23	24	14	
CR2	0.0000	0	58	23	24	14	
MA1	0.0214	0.0214	0	57	60	54	
MA2	0.0085	0.0085	0.0211	0	27	15	
MM1	0.0089	0.0089	0.0222	0.0100	0	22	
MM2	0.0052	0.0052	0.0200	0.0055	0.0081	0	

366							16893
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	250	85	261	261	257	
CR2	0.0148	0	263	110	110	67	
MA1	0.0050	0.0156	0	277	277	268	
MA2	0.0155	0.0065	0.0164	0	0	122	
MM1	0.0155	0.0065	0.0164	0.0000	0	122	
MM2	0.0152	0.0040	0.0159	0.0072	0.0072	0	
367							19894
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	409	173	401	184	197	
CR2	0.0206	0	392	56	444	443	
MA1	0.0087	0.0197	0	378	184	202	
MA2	0.0202	0.0028	0.0190	0	430	431	
MM1	0.0092	0.0223	0.0092	0.0216	0	215	
MM2	0.0099	0.0223	0.0102	0.0217	0.0108	0	
368							17637
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	493	275	502	200	269	
CR2	0.0280	0	489	109	516	484	
MA1	0.0156	0.0277	0	510	252	237	
MA2	0.0285	0.0062	0.0289	0	528	496	
MM1	0.0113	0.0293	0.0143	0.0299	0	277	
MM2	0.0153	0.0274	0.0134	0.0281	0.0157	0	
370							20855
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	368	194	373	194	193	
CR2	0.0176	0	397	126	397	374	
MA1	0.0093	0.0190	0	405	0	169	
MA2	0.0179	0.0060	0.0194	0	405	387	
MM1	0.0093	0.0190	0.0000	0.0194	0	169	
MM2	0.0093	0.0179	0.0081	0.0186	0.0081	0	
371							8672
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	116	108	25	108	108	
CR2	0.0134	0	48	107	48	48	
MA1	0.0125	0.0055	0	99	34	0	
MA2	0.0029	0.0123	0.0114	0	99	99	
MM1	0.0125	0.0055	0.0039	0.0114	0	34	
MM2	0.0125	0.0055	0.0000	0.0114	0.0039	0	

372							9299
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	100	100	32	32	32	
CR2	0.0108	0	31	101	101	101	
MA1	0.0108	0.0033	0	100	100	100	
MA2	0.0034	0.0109	0.0108	0	0	0	
MM1	0.0034	0.0109	0.0108	0.0000	0	0	
MM2	0.0034	0.0109	0.0108	0.0000	0.0000	0	
373							11126
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	163	73	149	73	76	
CR2	0.0147	0	140	55	140	132	
MA1	0.0066	0.0126	0	152	0	47	
MA2	0.0134	0.0049	0.0137	0	152	148	
MM1	0.0066	0.0126	0.0000	0.0137	0	47	
MM2	0.0068	0.0119	0.0042	0.0133	0.0042	0	
374							9168
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	185	9	180	9	110	
CR2	0.0202	0	184	55	184	189	
MA1	0.0010	0.0201	0	179	0	105	
MA2	0.0196	0.0060	0.0195	0	179	188	
MM1	0.0010	0.0201	0.0000	0.0195	0	105	
MM2	0.0120	0.0206	0.0115	0.0205	0.0115	0	
376							13235
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	42	263	154	263	251	
CR2	0.0032	0	277	112	277	275	
MA1	0.0199	0.0209	0	296	0	120	
MA2	0.0116	0.0085	0.0224	0	296	293	
MM1	0.0199	0.0209	0.0000	0.0224	0	120	
MM2	0.0190	0.0208	0.0091	0.0221	0.0091	0	
378							26248
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	502	111	481	490	481	
CR2	0.0191	0	506	225	239	225	
MA1	0.0042	0.0193	0	485	488	485	
MA2	0.0183	0.0086	0.0185	0	242	0	
MM1	0.0187	0.0091	0.0186	0.0092	0	242	
MM2	0.0183	0.0086	0.0185	0.0000	0.0092	0	

379							11889
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	275	174	280	280	282	
CR2	0.0231	0	229	205	205	186	
MA1	0.0146	0.0193	0	313	313	312	
MA2	0.0236	0.0172	0.0263	0	0	210	
MM1	0.0236	0.0172	0.0263	0.0000	0	210	
MM2	0.0237	0.0156	0.0262	0.0177	0.0177	0	
380							15239
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	230	115	227	79	115	
CR2	0.0151	0	226	67	219	226	
MA1	0.0075	0.0148	0	221	78	0	
MA2	0.0149	0.0044	0.0145	0	214	221	
MM1	0.0052	0.0144	0.0051	0.0140	0	78	
MM2	0.0075	0.0148	0.0000	0.0145	0.0051	0	
382							13353
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	233	109	222	0	119	
CR2	0.0174	0	248	65	233	251	
MA1	0.0082	0.0186	0	236	109	143	
MA2	0.0166	0.0049	0.0177	0	222	239	
MM1	0.0000	0.0174	0.0082	0.0166	0	119	
MM2	0.0089	0.0188	0.0107	0.0179	0.0089	0	
384							11135
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	243	229	75	120	79	
CR2	0.0218	0	83	236	227	247	
MA1	0.0206	0.0075	0	227	212	234	
MA2	0.0067	0.0212	0.0204	0	108	102	
MM1	0.0108	0.0204	0.0190	0.0097	0	141	
MM2	0.0071	0.0222	0.0210	0.0092	0.0127	0	
385							11660
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	151	62	157	62	75	
CR2	0.0130	0	154	61	154	147	
MA1	0.0053	0.0132	0	160	0	69	
MA2	0.0135	0.0052	0.0137	0	160	153	
MM1	0.0053	0.0132	0.0000	0.0137	0	69	
MM2	0.0064	0.0126	0.0059	0.0131	0.0059	0	

386							9402
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	268	204	281	189	188	
CR2	0.0285	0	308	99	303	302	
MA1	0.0217	0.0328	0	310	191	190	
MA2	0.0299	0.0105	0.0330	0	310	309	
MM1	0.0201	0.0322	0.0203	0.0330	0	1	
MM2	0.0200	0.0321	0.0202	0.0329	0.0001	0	
387							15361
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	269	270	297	387	387	
CR2	0.0175	0	15	456	252	252	
MA1	0.0176	0.0010	0	457	245	245	
MA2	0.0193	0.0297	0.0298	0	452	452	
MM1	0.0252	0.0164	0.0159	0.0294	0	0	
MM2	0.0252	0.0164	0.0159	0.0294	0.0000	0	
388							20079
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	350	156	352	156	217	
CR2	0.0174	0	317	73	317	347	
MA1	0.0078	0.0158	0	318	0	164	
MA2	0.0175	0.0036	0.0158	0	318	345	
MM1	0.0078	0.0158	0.0000	0.0158	0	164	
MM2	0.0108	0.0173	0.0082	0.0172	0.0082	0	
391							11422
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	325	232	242	166	169	
CR2	0.0285	0	194	206	319	321	
MA1	0.0203	0.0170	0	301	137	227	
MA2	0.0212	0.0180	0.0264	0	164	223	
MM1	0.0145	0.0279	0.0120	0.0144	0	143	
MM2	0.0148	0.0281	0.0199	0.0195	0.0125	0	
392							14525
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	258	159	227	163	109	
CR2	0.0178	0	257	151	248	257	
MA1	0.0109	0.0177	0	184	163	152	
MA2	0.0156	0.0104	0.0127	0	211	231	
MM1	0.0112	0.0171	0.0112	0.0145	0	157	
MM2	0.0075	0.0177	0.0105	0.0159	0.0108	0	

393							18341
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	349	329	122	343	350	
CR2	0.0190	0	174	336	219	203	
MA1	0.0179	0.0095	0	317	216	202	
MA2	0.0067	0.0183	0.0173	0	331	338	
MM1	0.0187	0.0119	0.0118	0.0180	0	203	
MM2	0.0191	0.0111	0.0110	0.0184	0.0111	0	
394							11952
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	228	211	102	101	118	
CR2	0.0191	0	84	224	223	221	
MA1	0.0177	0.0070	0	206	206	206	
MA2	0.0085	0.0187	0.0172	0	113	110	
MM1	0.0085	0.0187	0.0172	0.0095	0	109	
MM2	0.0099	0.0185	0.0172	0.0092	0.0091	0	
395							15585
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	264	263	48	263	298	
CR2	0.0169	0	104	256	104	154	
MA1	0.0169	0.0067	0	256	0	143	
MA2	0.0031	0.0164	0.0164	0	256	291	
MM1	0.0169	0.0067	0.0000	0.0164	0	143	
MM2	0.0191	0.0099	0.0092	0.0187	0.0092	0	
396							16656
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	276	288	47	288	287	
CR2	0.0166	0	121	279	121	132	
MA1	0.0173	0.0073	0	293	0	105	
MA2	0.0028	0.0168	0.0176	0	293	290	
MM1	0.0173	0.0073	0.0000	0.0176	0	105	
MM2	0.0172	0.0079	0.0063	0.0174	0.0063	0	
397							11106
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	160	106	187	269	254	
CR2	0.0144	0	136	223	178	165	
MA1	0.0095	0.0122	0	109	210	200	
MA2	0.0168	0.0201	0.0098	0	183	181	
MM1	0.0242	0.0160	0.0189	0.0165	0	68	
MM2	0.0229	0.0149	0.0180	0.0163	0.0061	0	

398							9683
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	170	102	171	90	102	
CR2	0.0176	0	163	17	171	163	
MA1	0.0105	0.0168	0	162	79	0	
MA2	0.0177	0.0018	0.0167	0	172	162	
MM1	0.0093	0.0177	0.0082	0.0178	0	79	
MM2	0.0105	0.0168	0.0000	0.0167	0.0082	0	
400							11622
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	240	80	228	82	80	
CR2	0.0207	0	238	69	227	238	
MA1	0.0069	0.0205	0	226	95	0	
MA2	0.0196	0.0059	0.0194	0	217	226	
MM1	0.0071	0.0195	0.0082	0.0187	0	95	
MM2	0.0069	0.0205	0.0000	0.0194	0.0082	0	
402							16736
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	279	277	274	324	344	
CR2	0.0167	0	201	212	194	186	
MA1	0.0166	0.0120	0	19	66	229	
MA2	0.0164	0.0127	0.0011	0	85	248	
MM1	0.0194	0.0116	0.0039	0.0051	0	206	
MM2	0.0206	0.0111	0.0137	0.0148	0.0123	0	
404							9283
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	142	52	183	36	85	
CR2	0.0153	0	150	117	134	157	
MA1	0.0056	0.0162	0	171	16	77	
MA2	0.0197	0.0126	0.0184	0	187	194	
MM1	0.0039	0.0144	0.0017	0.0201	0	71	
MM2	0.0092	0.0169	0.0083	0.0209	0.0076	0	
407							12028
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	151	284	126	121	126	
CR2	0.0126	0	199	187	170	187	
MA1	0.0236	0.0165	0	296	284	296	
MA2	0.0105	0.0155	0.0246	0	92	0	
MM1	0.0101	0.0141	0.0236	0.0076	0	92	
MM2	0.0105	0.0155	0.0246	0.0000	0.0076	0	

408							13526
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	277	56	251	251	238	
CR2	0.0205	0	278	127	127	127	
MA1	0.0041	0.0206	0	251	251	239	
MA2	0.0186	0.0094	0.0186	0	0	95	
MM1	0.0186	0.0094	0.0186	0.0000	0	95	
MM2	0.0176	0.0094	0.0177	0.0070	0.0070	0	
409							17532
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	288	278	94	294	293	
CR2	0.0164	0	128	294	124	130	
MA1	0.0159	0.0073	0	282	116	131	
MA2	0.0054	0.0168	0.0161	0	299	298	
MM1	0.0168	0.0071	0.0066	0.0171	0	116	
MM2	0.0167	0.0074	0.0075	0.0170	0.0066	0	
410							13582
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	228	377	77	350	368	
CR2	0.0168	0	257	251	256	259	
MA1	0.0278	0.0189	0	368	165	196	
MA2	0.0057	0.0185	0.0271	0	339	361	
MM1	0.0258	0.0188	0.0121	0.0250	0	185	
MM2	0.0271	0.0191	0.0144	0.0266	0.0136	0	
413							11643
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	173	167	75	176	182	
CR2	0.0149	0	90	178	64	84	
MA1	0.0143	0.0077	0	179	92	111	
MA2	0.0064	0.0153	0.0154	0	181	187	
MM1	0.0151	0.0055	0.0079	0.0155	0	93	
MM2	0.0156	0.0072	0.0095	0.0161	0.0080	0	
414							5846
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	125	54	128	141	128	
CR2	0.0214	0	135	52	79	52	
MA1	0.0092	0.0231	0	137	150	137	
MA2	0.0219	0.0089	0.0234	0	86	0	
MM1	0.0241	0.0135	0.0257	0.0147	0	86	
MM2	0.0219	0.0089	0.0234	0.0000	0.0147	0	

417							10057
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	184	173	51	66	51	
CR2	0.0183	0	31	190	197	190	
MA1	0.0172	0.0031	0	179	186	179	
MA2	0.0051	0.0189	0.0178	0	67	0	
MM1	0.0066	0.0196	0.0185	0.0067	0	67	
MM2	0.0051	0.0189	0.0178	0.0000	0.0067	0	
418							13107
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	220	105	211	135	127	
CR2	0.0168	0	231	70	233	237	
MA1	0.0080	0.0176	0	225	153	128	
MA2	0.0161	0.0053	0.0172	0	229	226	
MM1	0.0103	0.0178	0.0117	0.0175	0	145	
MM2	0.0097	0.0181	0.0098	0.0172	0.0111	0	
422							14783
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	292	136	295	174	141	
CR2	0.0198	0	311	68	309	305	
MA1	0.0092	0.0210	0	314	134	97	
MA2	0.0200	0.0046	0.0212	0	312	310	
MM1	0.0118	0.0209	0.0091	0.0211	0	130	
MM2	0.0095	0.0206	0.0066	0.0210	0.0088	0	
424							10954
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	295	189	253	145	139	
CR2	0.0269	0	316	159	313	298	
MA1	0.0173	0.0288	0	211	174	176	
MA2	0.0231	0.0145	0.0193	0	257	245	
MM1	0.0132	0.0286	0.0159	0.0235	0	131	
MM2	0.0127	0.0272	0.0161	0.0224	0.0120	0	
427							15243
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	296	152	286	150	150	
CR2	0.0194	0	281	114	293	293	
MA1	0.0100	0.0184	0	278	132	130	
MA2	0.0188	0.0075	0.0182	0	287	287	
MM1	0.0098	0.0192	0.0087	0.0188	0	2	
MM2	0.0098	0.0192	0.0085	0.0188	0.0001	0	

428							16934
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	304	303	33	163	27	
CR2	0.0180	0	33	304	292	306	
MA1	0.0179	0.0019	0	303	293	305	
MA2	0.0019	0.0180	0.0179	0	158	10	
MM1	0.0096	0.0172	0.0173	0.0093	0	164	
MM2	0.0016	0.0181	0.0180	0.0006	0.0097	0	
429							13366
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	276	275	90	280	280	
CR2	0.0206	0	128	286	142	142	
MA1	0.0206	0.0096	0	282	153	153	
MA2	0.0067	0.0214	0.0211	0	286	286	
MM1	0.0209	0.0106	0.0114	0.0214	0	0	
MM2	0.0209	0.0106	0.0114	0.0214	0.0000	0	
432							11131
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	112	102	58	32	41	
CR2	0.0101	0	34	88	116	117	
MA1	0.0092	0.0031	0	96	104	99	
MA2	0.0052	0.0079	0.0086	0	54	33	
MM1	0.0029	0.0104	0.0093	0.0049	0	33	
MM2	0.0037	0.0105	0.0089	0.0030	0.0030	0	
433							11833
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	172	80	172	98	80	
CR2	0.0145	0	172	0	203	172	
MA1	0.0068	0.0145	0	172	100	0	
MA2	0.0145	0.0000	0.0145	0	203	172	
MM1	0.0083	0.0172	0.0085	0.0172	0	100	
MM2	0.0068	0.0145	0.0000	0.0145	0.0085	0	
435							29510
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	633	625	176	620	625	
CR2	0.0215	0	299	639	320	299	
MA1	0.0212	0.0101	0	634	314	0	
MA2	0.0060	0.0217	0.0215	0	630	634	
MM1	0.0210	0.0108	0.0106	0.0213	0	314	
MM2	0.0212	0.0101	0.0000	0.0215	0.0106	0	

436							10400
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	228	220	45	210	225	
CR2	0.0219	0	129	223	116	127	
MA1	0.0212	0.0124	0	217	111	128	
MA2	0.0043	0.0214	0.0209	0	205	220	
MM1	0.0202	0.0112	0.0107	0.0197	0	100	
MM2	0.0216	0.0122	0.0123	0.0212	0.0096	0	
437							16654
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	243	156	97	245	244	
CR2	0.0146	0	165	208	99	117	
MA1	0.0094	0.0099	0	119	129	179	
MA2	0.0058	0.0125	0.0071	0	180	210	
MM1	0.0147	0.0059	0.0077	0.0108	0	111	
MM2	0.0147	0.0070	0.0107	0.0126	0.0067	0	
441							8680
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	246	134	115	114	104	
CR2	0.0283	0	182	199	235	235	
MA1	0.0154	0.0210	0	35	77	97	
MA2	0.0132	0.0229	0.0040	0	42	78	
MM1	0.0131	0.0271	0.0089	0.0048	0	63	
MM2	0.0120	0.0271	0.0112	0.0090	0.0073	0	
442							16573
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	293	289	239	186	175	
CR2	0.0177	0	42	194	304	304	
MA1	0.0174	0.0025	0	172	302	282	
MA2	0.0144	0.0117	0.0104	0	264	110	
MM1	0.0112	0.0183	0.0182	0.0159	0	219	
MM2	0.0106	0.0183	0.0170	0.0066	0.0132	0	
445							14604
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	338	198	344	197	221	
CR2	0.0231	0	292	52	301	297	
MA1	0.0136	0.0200	0	298	184	176	
MA2	0.0236	0.0036	0.0204	0	309	299	
MM1	0.0135	0.0206	0.0126	0.0212	0	164	
MM2	0.0151	0.0203	0.0121	0.0205	0.0112	0	

447							16392
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	346	110	346	144	111	
CR2	0.0211	0	330	0	341	341	
MA1	0.0067	0.0201	0	330	139	113	
MA2	0.0211	0.0000	0.0201	0	341	341	
MM1	0.0088	0.0208	0.0085	0.0208	0	126	
MM2	0.0068	0.0208	0.0069	0.0208	0.0077	0	
448							10630
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	259	240	123	242	240	
CR2	0.0244	0	120	238	106	120	
MA1	0.0226	0.0113	0	215	95	0	
MA2	0.0116	0.0224	0.0202	0	220	215	
MM1	0.0228	0.0100	0.0089	0.0207	0	95	
MM2	0.0226	0.0113	0.0000	0.0202	0.0089	0	
452							7486
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	164	166	105	105	88	
CR2	0.0219	0	21	169	169	143	
MA1	0.0222	0.0028	0	170	170	144	
MA2	0.0140	0.0226	0.0227	0	0	99	
MM1	0.0140	0.0226	0.0227	0.0000	0	99	
MM2	0.0118	0.0191	0.0192	0.0132	0.0132	0	
453							12819
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	342	237	349	225	219	
CR2	0.0267	0	309	54	333	314	
MA1	0.0185	0.0241	0	316	263	248	
MA2	0.0272	0.0042	0.0247	0	339	322	
MM1	0.0176	0.0260	0.0205	0.0264	0	159	
MM2	0.0171	0.0245	0.0193	0.0251	0.0124	0	
454							12570
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	205	120	215	114	120	
CR2	0.0163	0	250	53	245	250	
MA1	0.0095	0.0199	0	254	103	0	
MA2	0.0171	0.0042	0.0202	0	252	254	
MM1	0.0091	0.0195	0.0082	0.0200	0	103	
MM2	0.0095	0.0199	0.0000	0.0202	0.0082	0	

456							10232
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	230	143	252	143	127	
CR2	0.0225	0	205	97	205	201	
MA1	0.0140	0.0200	0	226	0	134	
MA2	0.0246	0.0095	0.0221	0	226	223	
MM1	0.0140	0.0200	0.0000	0.0221	0	134	
MM2	0.0124	0.0196	0.0131	0.0218	0.0131	0	
457							6287
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	124	59	90	82	90	
CR2	0.0197	0	83	74	88	74	
MA1	0.0094	0.0132	0	112	121	112	
MA2	0.0143	0.0118	0.0178	0	44	0	
MM1	0.0130	0.0140	0.0192	0.0070	0	44	
MM2	0.0143	0.0118	0.0178	0.0000	0.0070	0	
458							15000
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	321	308	88	310	308	
CR2	0.0214	0	122	329	129	122	
MA1	0.0205	0.0081	0	318	65	0	
MA2	0.0059	0.0219	0.0212	0	320	318	
MM1	0.0207	0.0086	0.0043	0.0213	0	65	
MM2	0.0205	0.0081	0.0000	0.0212	0.0043	0	
459							11549
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	283	151	274	161	141	
CR2	0.0245	0	270	53	287	287	
MA1	0.0131	0.0234	0	263	189	138	
MA2	0.0237	0.0046	0.0228	0	281	277	
MM1	0.0139	0.0249	0.0164	0.0243	0	191	
MM2	0.0122	0.0249	0.0119	0.0240	0.0165	0	
461							11337
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	257	113	259	107	124	
CR2	0.0227	0	236	36	264	259	
MA1	0.0100	0.0208	0	236	28	131	
MA2	0.0228	0.0032	0.0208	0	264	259	
MM1	0.0094	0.0233	0.0025	0.0233	0	103	
MM2	0.0109	0.0228	0.0116	0.0228	0.0091	0	

462							12233
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	322	282	132	292	293	
CR2	0.0263	0	150	318	133	141	
MA1	0.0231	0.0123	0	281	132	124	
MA2	0.0108	0.0260	0.0230	0	286	284	
MM1	0.0239	0.0109	0.0108	0.0234	0	148	
MM2	0.0240	0.0115	0.0101	0.0232	0.0121	0	
464							14277
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	218	214	88	218	226	
CR2	0.0153	0	87	237	0	68	
MA1	0.0150	0.0061	0	228	87	19	
MA2	0.0062	0.0166	0.0160	0	237	247	
MM1	0.0153	0.0000	0.0061	0.0166	0	68	
MM2	0.0158	0.0048	0.0013	0.0173	0.0048	0	
465							15674
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	221	216	76	76	85	
CR2	0.0141	0	49	217	217	209	
MA1	0.0138	0.0031	0	211	211	204	
MA2	0.0048	0.0138	0.0135	0	0	83	
MM1	0.0048	0.0138	0.0135	0.0000	0	83	
MM2	0.0054	0.0133	0.0130	0.0053	0.0053	0	
467							13327
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	179	134	161	107	106	
CR2	0.0134	0	135	80	209	215	
MA1	0.0101	0.0101	0	83	154	158	
MA2	0.0121	0.0060	0.0062	0	198	201	
MM1	0.0080	0.0157	0.0116	0.0149	0	61	
MM2	0.0080	0.0161	0.0119	0.0151	0.0046	0	
472							13996
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	262	250	124	124	129	
CR2	0.0187	0	68	260	260	262	
MA1	0.0179	0.0049	0	247	247	251	
MA2	0.0089	0.0186	0.0176	0	0	149	
MM1	0.0089	0.0186	0.0176	0.0000	0	149	
MM2	0.0092	0.0187	0.0179	0.0106	0.0106	0	

473							7669
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	102	101	6	99	96	
CR2	0.0133	0	33	100	19	24	
MA1	0.0132	0.0043	0	99	28	23	
MA2	0.0008	0.0130	0.0129	0	97	94	
MM1	0.0129	0.0025	0.0037	0.0126	0	9	
MM2	0.0125	0.0031	0.0030	0.0123	0.0012	0	
475							8551
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	100	34	178	180	189	
CR2	0.0117	0	126	118	118	133	
MA1	0.0040	0.0147	0	185	187	196	
MA2	0.0208	0.0138	0.0216	0	6	63	
MM1	0.0211	0.0138	0.0219	0.0007	0	67	
MM2	0.0221	0.0156	0.0229	0.0074	0.0078	0	
476							12824
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	239	154	241	174	167	
CR2	0.0186	0	290	95	287	257	
MA1	0.0120	0.0226	0	285	174	181	
MA2	0.0188	0.0074	0.0222	0	280	250	
MM1	0.0136	0.0224	0.0136	0.0218	0	156	
MM2	0.0130	0.0200	0.0141	0.0195	0.0122	0	
477							20695
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	284	132	261	139	128	
CR2	0.0137	0	280	109	266	292	
MA1	0.0064	0.0135	0	224	138	119	
MA2	0.0126	0.0053	0.0108	0	259	247	
MM1	0.0067	0.0129	0.0067	0.0125	0	155	
MM2	0.0062	0.0141	0.0058	0.0119	0.0075	0	
478							19160
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	401	394	158	394	393	
CR2	0.0209	0	166	410	166	144	
MA1	0.0206	0.0087	0	399	0	125	
MA2	0.0082	0.0214	0.0208	0	399	400	
MM1	0.0206	0.0087	0.0000	0.0208	0	125	
MM2	0.0205	0.0075	0.0065	0.0209	0.0065	0	

480							7398
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	75	20	76	18	20	
CR2	0.0101	0	72	19	74	72	
MA1	0.0027	0.0097	0	73	26	0	
MA2	0.0103	0.0026	0.0099	0	74	73	
MM1	0.0024	0.0100	0.0035	0.0100	0	26	
MM2	0.0027	0.0097	0.0000	0.0099	0.0035	0	
481							11860
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	149	348	206	373	348	
CR2	0.0126	0	298	330	320	298	
MA1	0.0293	0.0251	0	416	244	0	
MA2	0.0174	0.0278	0.0351	0	438	416	
MM1	0.0315	0.0270	0.0206	0.0369	0	244	
MM2	0.0293	0.0251	0.0000	0.0351	0.0206	0	
482							20094
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	372	326	383	326	305	
CR2	0.0185	0	444	206	449	444	
MA1	0.0162	0.0221	0	439	221	33	
MA2	0.0191	0.0103	0.0218	0	438	439	
MM1	0.0162	0.0223	0.0110	0.0218	0	188	
MM2	0.0152	0.0221	0.0016	0.0218	0.0094	0	
483							9877
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	140	159	92	166	159	
CR2	0.0142	0	81	188	92	81	
MA1	0.0161	0.0082	0	203	87	0	
MA2	0.0093	0.0190	0.0206	0	206	203	
MM1	0.0168	0.0093	0.0088	0.0209	0	87	
MM2	0.0161	0.0082	0.0000	0.0206	0.0088	0	
484							12197
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	128	36	124	36	32	
CR2	0.0105	0	129	32	129	127	
MA1	0.0030	0.0106	0	125	0	40	
MA2	0.0102	0.0026	0.0102	0	125	125	
MM1	0.0030	0.0106	0.0000	0.0102	0	40	
MM2	0.0026	0.0104	0.0033	0.0102	0.0033	0	

485							10128
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	184	95	187	199	187	
CR2	0.0182	0	193	78	90	78	
MA1	0.0094	0.0191	0	198	203	198	
MA2	0.0185	0.0077	0.0195	0	106	0	
MM1	0.0196	0.0089	0.0200	0.0105	0	106	
MM2	0.0185	0.0077	0.0195	0.0000	0.0105	0	
486							14553
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	265	322	199	325	312	
CR2	0.0182	0	166	358	179	177	
MA1	0.0221	0.0114	0	363	195	201	
MA2	0.0137	0.0246	0.0249	0	340	345	
MM1	0.0223	0.0123	0.0134	0.0234	0	186	
MM2	0.0214	0.0122	0.0138	0.0237	0.0128	0	
487							12026
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	310	227	256	148	190	
CR2	0.0258	0	256	212	303	308	
MA1	0.0189	0.0213	0	58	221	206	
MA2	0.0213	0.0176	0.0048	0	258	243	
MM1	0.0123	0.0252	0.0184	0.0215	0	184	
MM2	0.0158	0.0256	0.0171	0.0202	0.0153	0	
488							16102
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	331	185	316	185	188	
CR2	0.0206	0	303	111	303	306	
MA1	0.0115	0.0188	0	271	0	3	
MA2	0.0196	0.0069	0.0168	0	271	274	
MM1	0.0115	0.0188	0.0000	0.0168	0	3	
MM2	0.0117	0.0190	0.0002	0.0170	0.0002	0	
491							10487
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	246	220	107	248	253	
CR2	0.0235	0	127	235	98	112	
MA1	0.0210	0.0121	0	209	29	117	
MA2	0.0102	0.0224	0.0199	0	237	238	
MM1	0.0236	0.0093	0.0028	0.0226	0	89	
MM2	0.0241	0.0107	0.0112	0.0227	0.0085	0	

Table S6: Difference Matrices.

492							12510
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	290	169	276	163	179	
CR2	0.0232	0	285	85	290	279	
MA1	0.0135	0.0228	0	275	128	169	
MA2	0.0221	0.0068	0.0220	0	281	274	
MM1	0.0130	0.0232	0.0102	0.0225	0	208	
MM2	0.0143	0.0223	0.0135	0.0219	0.0166	0	
493							19008
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	135	102	143	164	102	
CR2	0.0071	0	217	68	218	217	
MA1	0.0054	0.0114	0	233	135	0	
MA2	0.0075	0.0036	0.0123	0	232	233	
MM1	0.0086	0.0115	0.0071	0.0122	0	135	
MM2	0.0054	0.0114	0.0000	0.0123	0.0071	0	
494							11484
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	263	119	214	119	155	
CR2	0.0229	0	272	164	272	276	
MA1	0.0104	0.0237	0	169	0	141	
MA2	0.0186	0.0143	0.0147	0	169	205	
MM1	0.0104	0.0237	0.0000	0.0147	0	141	
MM2	0.0135	0.0240	0.0123	0.0179	0.0123	0	
496							17913
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	77	238	427	434	457	
CR2	0.0043	0	207	470	458	485	
MA1	0.0133	0.0116	0	478	455	488	
MA2	0.0238	0.0262	0.0267	0	282	248	
MM1	0.0242	0.0256	0.0254	0.0157	0	272	
MM2	0.0255	0.0271	0.0272	0.0138	0.0152	0	
500							10444
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	0	158	211	158	102	
CR2	0.0000	0	158	211	158	102	
MA1	0.0151	0.0151	0	222	0	147	
MA2	0.0202	0.0202	0.0213	0	222	209	
MM1	0.0151	0.0151	0.0000	0.0213	0	147	
MM2	0.0098	0.0098	0.0141	0.0200	0.0141	0	

501							13769
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	324	132	329	102	134	
CR2	0.0235	0	332	73	314	327	
MA1	0.0096	0.0241	0	337	126	142	
MA2	0.0239	0.0053	0.0245	0	321	332	
MM1	0.0074	0.0228	0.0092	0.0233	0	126	
MM2	0.0097	0.0237	0.0103	0.0241	0.0092	0	
502							12465
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	211	214	49	211	214	
CR2	0.0169	0	95	205	66	95	
MA1	0.0172	0.0076	0	208	105	0	
MA2	0.0039	0.0164	0.0167	0	205	208	
MM1	0.0169	0.0053	0.0084	0.0164	0	105	
MM2	0.0172	0.0076	0.0000	0.0167	0.0084	0	
503							13598
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	254	12	165	12	96	
CR2	0.0187	0	250	125	250	266	
MA1	0.0009	0.0184	0	161	0	96	
MA2	0.0121	0.0092	0.0118	0	161	205	
MM1	0.0009	0.0184	0.0000	0.0118	0	96	
MM2	0.0071	0.0196	0.0071	0.0151	0.0071	0	
505							16410
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	283	261	82	261	292	
CR2	0.0172	0	144	288	144	129	
MA1	0.0159	0.0088	0	266	0	129	
MA2	0.0050	0.0176	0.0162	0	266	294	
MM1	0.0159	0.0088	0.0000	0.0162	0	129	
MM2	0.0178	0.0079	0.0079	0.0179	0.0079	0	
507							12734
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	1	237	237	252	218	
CR2	0.0001	0	238	238	251	219	
MA1	0.0186	0.0187	0	0	227	216	
MA2	0.0186	0.0187	0.0000	0	227	216	
MM1	0.0198	0.0197	0.0178	0.0178	0	235	
MM2	0.0171	0.0172	0.0170	0.0170	0.0185	0	

510							15156
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	375	211	368	154	238	
CR2	0.0247	0	376	45	370	381	
MA1	0.0139	0.0248	0	369	139	177	
MA2	0.0243	0.0030	0.0243	0	365	376	
MM1	0.0102	0.0244	0.0092	0.0241	0	212	
MM2	0.0157	0.0251	0.0117	0.0248	0.0140	0	
511							15769
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	184	64	189	63	56	
CR2	0.0117	0	174	19	187	178	
MA1	0.0041	0.0110	0	179	51	60	
MA2	0.0120	0.0012	0.0114	0	192	183	
MM1	0.0040	0.0119	0.0032	0.0122	0	59	
MM2	0.0036	0.0113	0.0038	0.0116	0.0037	0	
512							17190
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	356	280	295	201	210	
CR2	0.0207	0	329	219	375	362	
MA1	0.0163	0.0191	0	203	272	109	
MA2	0.0172	0.0127	0.0118	0	306	202	
MM1	0.0117	0.0218	0.0158	0.0178	0	195	
MM2	0.0122	0.0211	0.0063	0.0118	0.0113	0	
515							11212
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	258	76	255	153	149	
CR2	0.0230	0	261	74	290	269	
MA1	0.0068	0.0233	0	259	161	163	
MA2	0.0227	0.0066	0.0231	0	295	264	
MM1	0.0136	0.0259	0.0144	0.0263	0	172	
MM2	0.0133	0.0240	0.0145	0.0235	0.0153	0	
516							14612
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	128	55	114	56	52	
CR2	0.0088	0	132	40	133	138	
MA1	0.0038	0.0090	0	118	1	59	
MA2	0.0078	0.0027	0.0081	0	119	124	
MM1	0.0038	0.0091	0.0001	0.0081	0	58	
MM2	0.0036	0.0094	0.0040	0.0085	0.0040	0	

517							11185
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	248	118	240	0	132	
CR2	0.0222	0	249	87	248	255	
MA1	0.0105	0.0223	0	240	118	114	
MA2	0.0215	0.0078	0.0215	0	240	244	
MM1	0.0000	0.0222	0.0105	0.0215	0	132	
MM2	0.0118	0.0228	0.0102	0.0218	0.0118	0	
519							13392
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	271	228	177	172	52	
CR2	0.0202	0	185	282	283	264	
MA1	0.0170	0.0138	0	132	212	200	
MA2	0.0132	0.0211	0.0099	0	167	159	
MM1	0.0128	0.0211	0.0158	0.0125	0	153	
MM2	0.0039	0.0197	0.0149	0.0119	0.0114	0	
520							19499
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	445	186	445	186	361	
CR2	0.0228	0	421	0	421	499	
MA1	0.0095	0.0216	0	421	0	327	
MA2	0.0228	0.0000	0.0216	0	421	499	
MM1	0.0095	0.0216	0.0000	0.0216	0	327	
MM2	0.0185	0.0256	0.0168	0.0256	0.0168	0	
521							12330
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	175	173	52	174	173	
CR2	0.0142	0	79	177	1	79	
MA1	0.0140	0.0064	0	176	78	0	
MA2	0.0042	0.0144	0.0143	0	176	176	
MM1	0.0141	0.0001	0.0063	0.0143	0	78	
MM2	0.0140	0.0064	0.0000	0.0143	0.0063	0	
522							13020
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	164	75	163	75	68	
CR2	0.0126	0	155	19	155	167	
MA1	0.0058	0.0119	0	154	0	49	
MA2	0.0125	0.0015	0.0118	0	154	166	
MM1	0.0058	0.0119	0.0000	0.0118	0	49	
MM2	0.0052	0.0128	0.0038	0.0127	0.0038	0	

524							14371
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	213	124	205	59	124	
CR2	0.0148	0	212	34	225	212	
MA1	0.0086	0.0148	0	204	118	0	
MA2	0.0143	0.0024	0.0142	0	217	204	
MM1	0.0041	0.0157	0.0082	0.0151	0	118	
MM2	0.0086	0.0148	0.0000	0.0142	0.0082	0	
525							17359
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	135	421	193	202	158	
CR2	0.0078	0	337	276	285	264	
MA1	0.0243	0.0194	0	403	410	413	
MA2	0.0111	0.0159	0.0232	0	189	208	
MM1	0.0116	0.0164	0.0236	0.0109	0	176	
MM2	0.0091	0.0152	0.0238	0.0120	0.0101	0	
526							9808
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	78	93	64	64	46	
CR2	0.0080	0	55	98	98	78	
MA1	0.0095	0.0056	0	107	107	89	
MA2	0.0065	0.0100	0.0109	0	0	60	
MM1	0.0065	0.0100	0.0109	0.0000	0	60	
MM2	0.0047	0.0080	0.0091	0.0061	0.0061	0	
527							9752
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	234	219	141	144	123	
CR2	0.0240	0	88	246	253	241	
MA1	0.0225	0.0090	0	236	242	227	
MA2	0.0145	0.0252	0.0242	0	142	151	
MM1	0.0148	0.0259	0.0248	0.0146	0	129	
MM2	0.0126	0.0247	0.0233	0.0155	0.0132	0	
529							12887
	CR1	CR2	MA1	MA2	MM1	MM2	
CR1	0	258	278	81	274	277	
CR2	0.0200	0	157	252	174	167	
MA1	0.0216	0.0122	0	271	151	183	
MA2	0.0063	0.0196	0.0210	0	268	271	
MM1	0.0213	0.0135	0.0117	0.0208	0	151	
MM2	0.0215	0.0130	0.0142	0.0210	0.0117	0	

530 13427

	CR1	CR2	MA1	MA2	MM1	MM2
CR1	0	190	65	213	202	211
CR2	0.0142	0	193	75	77	86
MA1	0.0048	0.0144	0	216	202	205
MA2	0.0159	0.0056	0.0161	0	98	104
MM1	0.0150	0.0057	0.0150	0.0073	0	33
MM2	0.0157	0.0064	0.0153	0.0077	0.0025	0