

Comparison of 149SNP(2007-12-27 datestamp) and 2010 data

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Abstract

Link two data via table accession2ecotype_complete (expansion of ecotype2accession with same (nativeName,stockparent))

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3.300row id1=(8371, 1) (Rmx-A180) vs row id2=6	107
3.301row id1=(8372, 1) (RRS-10) vs row id2=2	107
3.302row id1=(8374, 1) (Rsch-4) vs row id2=290	107

3.303row id1=(8375, 1) (Rubezhnoe-1) vs row id2=339	108
3.304row id1=(8376, 1) (Sanna-2) vs row id2=376	108
3.305row id1=(8377, 1) (Santa Clara) vs row id2=340	108
3.306row id1=(8378, 1) (Sap-0) vs row id2=341	109
3.307row id1=(8379, 1) (Se-0) vs row id2=83	109
3.308row id1=(8380, 1) (Sf-1) vs row id2=300	109
3.309row id1=(8381, 1) (Sorbo) vs row id2=90	110
3.310row id1=(8382, 1) (Spr1-2) vs row id2=19	110
3.311row id1=(8383, 1) (Spr1-6) vs row id2=20	110
3.312row id1=(8384, 1) (Sq-1) vs row id2=37	110
3.313row id1=(8385, 1) (Sq-8) vs row id2=38	111
3.314row id1=(8386, 1) (Sr:5) vs row id2=377	111
3.315row id1=(8387, 1) (St-0) vs row id2=342	111
3.316row id1=(8388, 1) (Stw-0) vs row id2=343	112
3.317row id1=(8389, 1) (Ta-0) vs row id2=344	112
3.318row id1=(8390, 1) (Tamm-2) vs row id2=41	112
3.319row id1=(8391, 1) (Tamm-27) vs row id2=42	112
3.320row id1=(8392, 1) (Ts-1) vs row id2=84	113
3.321row id1=(8393, 1) (Ts-5) vs row id2=85	113
3.322row id1=(8394, 1) (Tsu-1) vs row id2=78	113
3.323row id1=(8395, 1) (Tu-0) vs row id2=345	114
3.324row id1=(8396, 1) (Ull2-3) vs row id2=24	114
3.325row id1=(8397, 1) (Ull2-5) vs row id2=23	114
3.326row id1=(8398, 1) (Uod-1) vs row id2=49	115
3.327row id1=(8399, 1) (Uod-7) vs row id2=50	115
3.328row id1=(8400, 1) (Van-0) vs row id2=64	115
3.329row id1=(8401, 1) (V-1) vs row id2=17	116
3.330row id1=(8402, 1) (V-6) vs row id2=18	116
3.331row id1=(8403, 1) (Wa-1) vs row id2=81	117
3.332row id1=(8404, 1) (Wei-0) vs row id2=59	117
3.333row id1=(8405, 1) (Ws-0) vs row id2=60	117
3.334row id1=(8406, 1) (Ws-2) vs row id2=96	118
3.335row id1=(8407, 1) (Wt-5) vs row id2=74	118
3.336row id1=(8408, 1) (Yo-0) vs row id2=61	118
3.337row id1=(8409, 1) (Zdr-1) vs row id2=25	119
3.338row id1=(8410, 1) (Zdr-6) vs row id2=26	119
3.339row id1=(8411, 1) (Rd-0) vs row id2=312	119
3.340row id1=(8429, 1) (N13) vs row id2=58	120
4 Diff Matrix for each SNP	120
4.1 col id1=AtMSQTsnp 10 vs col id2=AtMSQTsnp 10	120
4.2 col id1=AtMSQTsnp 100 vs col id2=AtMSQTsnp 100	120
4.3 col id1=AtMSQTsnp 101 vs col id2=AtMSQTsnp 101	121
4.4 col id1=AtMSQTsnp 104 vs col id2=AtMSQTsnp 104	121
4.5 col id1=AtMSQTsnp 108 vs col id2=AtMSQTsnp 108	121
4.6 col id1=AtMSQTsnp 11 vs col id2=AtMSQTsnp 11	122
4.7 col id1=AtMSQTsnp 114 vs col id2=AtMSQTsnp 114	122
4.8 col id1=AtMSQTsnp 118 vs col id2=AtMSQTsnp 118	123
4.9 col id1=AtMSQTsnp 12 vs col id2=AtMSQTsnp 12	123
4.10 col id1=AtMSQTsnp 123 vs col id2=AtMSQTsnp 123	123
4.11 col id1=AtMSQTsnp 126 vs col id2=AtMSQTsnp 126	124
4.12 col id1=AtMSQTsnp 128 vs col id2=AtMSQTsnp 128	124
4.13 col id1=AtMSQTsnp 129 vs col id2=AtMSQTsnp 129	124
4.14 col id1=AtMSQTsnp 130 vs col id2=AtMSQTsnp 130	125
4.15 col id1=AtMSQTsnp 132 vs col id2=AtMSQTsnp 132	125
4.16 col id1=AtMSQTsnp 138 vs col id2=AtMSQTsnp 138	125
4.17 col id1=AtMSQTsnp 14 vs col id2=AtMSQTsnp 14	126
4.18 col id1=AtMSQTsnp 140 vs col id2=AtMSQTsnp 140	126
4.19 col id1=AtMSQTsnp 142 vs col id2=AtMSQTsnp 142	127
4.20 col id1=AtMSQTsnp 143 vs col id2=AtMSQTsnp 143	127
4.21 col id1=AtMSQTsnp 145 vs col id2=AtMSQTsnp 145	127
4.22 col id1=AtMSQTsnp 146 vs col id2=AtMSQTsnp 146	127
4.23 col id1=AtMSQTsnp 15 vs col id2=AtMSQTsnp 15	128
4.24 col id1=AtMSQTsnp 155 vs col id2=AtMSQTsnp 155	128
4.25 col id1=AtMSQTsnp 156 vs col id2=AtMSQTsnp 156	128
4.26 col id1=AtMSQTsnp 159 vs col id2=AtMSQTsnp 159	129
4.27 col id1=AtMSQTsnp 164 vs col id2=AtMSQTsnp 164	129
4.28 col id1=AtMSQTsnp 169 vs col id2=AtMSQTsnp 169	130
4.29 col id1=AtMSQTsnp 170 vs col id2=AtMSQTsnp 170	130
4.30 col id1=AtMSQTsnp 173 vs col id2=AtMSQTsnp 173	130
4.31 col id1=AtMSQTsnp 174 vs col id2=AtMSQTsnp 174	131
4.32 col id1=AtMSQTsnp 177 vs col id2=AtMSQTsnp 177	131
4.33 col id1=AtMSQTsnp 18 vs col id2=AtMSQTsnp 18	132
4.34 col id1=AtMSQTsnp 184 vs col id2=AtMSQTsnp 184	132
4.35 col id1=AtMSQTsnp 186 vs col id2=AtMSQTsnp 186	132
4.36 col id1=AtMSQTsnp 187 vs col id2=AtMSQTsnp 187	133
4.37 col id1=AtMSQTsnp 188 vs col id2=AtMSQTsnp 188	133
4.38 col id1=AtMSQTsnp 189 vs col id2=AtMSQTsnp 189	133
4.39 col id1=AtMSQTsnp 191 vs col id2=AtMSQTsnp 191	134
4.40 col id1=AtMSQTsnp 194 vs col id2=AtMSQTsnp 194	134
4.41 col id1=AtMSQTsnp 197 vs col id2=AtMSQTsnp 197	134

4.42	col id1=AtMSQTsnp 198 vs col id2=AtMSQTsnp 198	135
4.43	col id1=AtMSQTsnp 2 vs col id2=AtMSQTsnp 2	135
4.44	col id1=AtMSQTsnp 203 vs col id2=AtMSQTsnp 203	135
4.45	col id1=AtMSQTsnp 205 vs col id2=AtMSQTsnp 205	136
4.46	col id1=AtMSQTsnp 21 vs col id2=AtMSQTsnp 21	136
4.47	col id1=AtMSQTsnp 214 vs col id2=AtMSQTsnp 214	137
4.48	col id1=AtMSQTsnp 22 vs col id2=AtMSQTsnp 22	137
4.49	col id1=AtMSQTsnp 220 vs col id2=AtMSQTsnp 220	137
4.50	col id1=AtMSQTsnp 222 vs col id2=AtMSQTsnp 222	138
4.51	col id1=AtMSQTsnp 223 vs col id2=AtMSQTsnp 223	138
4.52	col id1=AtMSQTsnp 231 vs col id2=AtMSQTsnp 231	139
4.53	col id1=AtMSQTsnp 232 vs col id2=AtMSQTsnp 232	139
4.54	col id1=AtMSQTsnp 235 vs col id2=AtMSQTsnp 235	139
4.55	col id1=AtMSQTsnp 237 vs col id2=AtMSQTsnp 237	140
4.56	col id1=AtMSQTsnp 242 vs col id2=AtMSQTsnp 242	140
4.57	col id1=AtMSQTsnp 244 vs col id2=AtMSQTsnp 244	140
4.58	col id1=AtMSQTsnp 249 vs col id2=AtMSQTsnp 249	141
4.59	col id1=AtMSQTsnp 254 vs col id2=AtMSQTsnp 254	141
4.60	col id1=AtMSQTsnp 260 vs col id2=AtMSQTsnp 260	142
4.61	col id1=AtMSQTsnp 263 vs col id2=AtMSQTsnp 263	142
4.62	col id1=AtMSQTsnp 266 vs col id2=AtMSQTsnp 266	143
4.63	col id1=AtMSQTsnp 267 vs col id2=AtMSQTsnp 267	143
4.64	col id1=AtMSQTsnp 27 vs col id2=AtMSQTsnp 27	144
4.65	col id1=AtMSQTsnp 274 vs col id2=AtMSQTsnp 274	144
4.66	col id1=AtMSQTsnp 278 vs col id2=AtMSQTsnp 278	144
4.67	col id1=AtMSQTsnp 279 vs col id2=AtMSQTsnp 279	145
4.68	col id1=AtMSQTsnp 281 vs col id2=AtMSQTsnp 281	145
4.69	col id1=AtMSQTsnp 282 vs col id2=AtMSQTsnp 282	146
4.70	col id1=AtMSQTsnp 285 vs col id2=AtMSQTsnp 285	146
4.71	col id1=AtMSQTsnp 286 vs col id2=AtMSQTsnp 286	147
4.72	col id1=AtMSQTsnp 288 vs col id2=AtMSQTsnp 288	147
4.73	col id1=AtMSQTsnp 29 vs col id2=AtMSQTsnp 29	147
4.74	col id1=AtMSQTsnp 292 vs col id2=AtMSQTsnp 292	148
4.75	col id1=AtMSQTsnp 294 vs col id2=AtMSQTsnp 294	148
4.76	col id1=AtMSQTsnp 30 vs col id2=AtMSQTsnp 30	148
4.77	col id1=AtMSQTsnp 300 vs col id2=AtMSQTsnp 300	149
4.78	col id1=AtMSQTsnp 304 vs col id2=AtMSQTsnp 304	149
4.79	col id1=AtMSQTsnp 306 vs col id2=AtMSQTsnp 306	150
4.80	col id1=AtMSQTsnp 307 vs col id2=AtMSQTsnp 307	150
4.81	col id1=AtMSQTsnp 31 vs col id2=AtMSQTsnp 31	151
4.82	col id1=AtMSQTsnp 310 vs col id2=AtMSQTsnp 310	151
4.83	col id1=AtMSQTsnp 312 vs col id2=AtMSQTsnp 312	151
4.84	col id1=AtMSQTsnp 315 vs col id2=AtMSQTsnp 315	152
4.85	col id1=AtMSQTsnp 321 vs col id2=AtMSQTsnp 321	152
4.86	col id1=AtMSQTsnp 323 vs col id2=AtMSQTsnp 323	152
4.87	col id1=AtMSQTsnp 325 vs col id2=AtMSQTsnp 325	153
4.88	col id1=AtMSQTsnp 327 vs col id2=AtMSQTsnp 327	153
4.89	col id1=AtMSQTsnp 33 vs col id2=AtMSQTsnp 33	154
4.90	col id1=AtMSQTsnp 331 vs col id2=AtMSQTsnp 331	154
4.91	col id1=AtMSQTsnp 334 vs col id2=AtMSQTsnp 334	154
4.92	col id1=AtMSQTsnp 343 vs col id2=AtMSQTsnp 343	155
4.93	col id1=AtMSQTsnp 350 vs col id2=AtMSQTsnp 350	155
4.94	col id1=AtMSQTsnp 351 vs col id2=AtMSQTsnp 351	156
4.95	col id1=AtMSQTsnp 355 vs col id2=AtMSQTsnp 355	156
4.96	col id1=AtMSQTsnp 358 vs col id2=AtMSQTsnp 358	156
4.97	col id1=AtMSQTsnp 359 vs col id2=AtMSQTsnp 359	157
4.98	col id1=AtMSQTsnp 360 vs col id2=AtMSQTsnp 360	157
4.99	col id1=AtMSQTsnp 361 vs col id2=AtMSQTsnp 361	157
4.100	col id1=AtMSQTsnp 368 vs col id2=AtMSQTsnp 368	158
4.101	col id1=AtMSQTsnp 370 vs col id2=AtMSQTsnp 370	158
4.102	col id1=AtMSQTsnp 372 vs col id2=AtMSQTsnp 372	158
4.103	col id1=AtMSQTsnp 373 vs col id2=AtMSQTsnp 373	159
4.104	col id1=AtMSQTsnp 378 vs col id2=AtMSQTsnp 378	159
4.105	col id1=AtMSQTsnp 379 vs col id2=AtMSQTsnp 379	160
4.106	col id1=AtMSQTsnp 38 vs col id2=AtMSQTsnp 38	160
4.107	col id1=AtMSQTsnp 388 vs col id2=AtMSQTsnp 388	160
4.108	col id1=AtMSQTsnp 390 vs col id2=AtMSQTsnp 390	161
4.109	col id1=AtMSQTsnp 392 vs col id2=AtMSQTsnp 392	161
4.110	col id1=AtMSQTsnp 394 vs col id2=AtMSQTsnp 394	161
4.111	col id1=AtMSQTsnp 395 vs col id2=AtMSQTsnp 395	162
4.112	col id1=AtMSQTsnp 397 vs col id2=AtMSQTsnp 397	162
4.113	col id1=AtMSQTsnp 398 vs col id2=AtMSQTsnp 398	163
4.114	col id1=AtMSQTsnp 399 vs col id2=AtMSQTsnp 399	163
4.115	col id1=AtMSQTsnp 4 vs col id2=AtMSQTsnp 4	163
4.116	col id1=AtMSQTsnp 40 vs col id2=AtMSQTsnp 40	164
4.117	col id1=AtMSQTsnp 404 vs col id2=AtMSQTsnp 404	164
4.118	col id1=AtMSQTsnp 406 vs col id2=AtMSQTsnp 406	164
4.119	col id1=AtMSQTsnp 408 vs col id2=AtMSQTsnp 408	165
4.120	col id1=AtMSQTsnp 409 vs col id2=AtMSQTsnp 409	165
4.121	col id1=AtMSQTsnp 41 vs col id2=AtMSQTsnp 41	165
4.122	col id1=AtMSQTsnp 410 vs col id2=AtMSQTsnp 410	166

4.123col id1=AtMSQTsnp 412 vs col id2=AtMSQTsnp 412 166

4.124col id1=AtMSQTsnp 415 vs col id2=AtMSQTsnp 415 166

4.125col id1=AtMSQTsnp 47 vs col id2=AtMSQTsnp 47 167

4.126col id1=AtMSQTsnp 48 vs col id2=AtMSQTsnp 48 167

4.127col id1=AtMSQTsnp 49 vs col id2=AtMSQTsnp 49 167

4.128col id1=AtMSQTsnp 53 vs col id2=AtMSQTsnp 53 168

4.129col id1=AtMSQTsnp 54 vs col id2=AtMSQTsnp 54 168

4.130col id1=AtMSQTsnp 57 vs col id2=AtMSQTsnp 57 168

4.131col id1=AtMSQTsnp 58 vs col id2=AtMSQTsnp 58 169

4.132col id1=AtMSQTsnp 60 vs col id2=AtMSQTsnp 60 169

4.133col id1=AtMSQTsnp 61 vs col id2=AtMSQTsnp 61 169

4.134col id1=AtMSQTsnp 62 vs col id2=AtMSQTsnp 62 170

4.135col id1=AtMSQTsnp 63 vs col id2=AtMSQTsnp 63 170

4.136col id1=AtMSQTsnp 65 vs col id2=AtMSQTsnp 65 170

4.137col id1=AtMSQTsnp 67 vs col id2=AtMSQTsnp 67 171

4.138col id1=AtMSQTsnp 69 vs col id2=AtMSQTsnp 69 171

4.139col id1=AtMSQTsnp 73 vs col id2=AtMSQTsnp 73 171

4.140col id1=AtMSQTsnp 76 vs col id2=AtMSQTsnp 76 172

4.141col id1=AtMSQTsnp 8 vs col id2=AtMSQTsnp 8 172

4.142col id1=AtMSQTsnp 85 vs col id2=AtMSQTsnp 85 173

4.143col id1=AtMSQTsnp 87 vs col id2=AtMSQTsnp 87 173

4.144col id1=AtMSQTsnp 88 vs col id2=AtMSQTsnp 88 173

4.145col id1=AtMSQTsnp 9 vs col id2=AtMSQTsnp 9 174

4.146col id1=AtMSQTsnp 90 vs col id2=AtMSQTsnp 90 174

4.147col id1=AtMSQTsnp 91 vs col id2=AtMSQTsnp 91 174

4.148col id1=AtMSQTsnp 92 vs col id2=AtMSQTsnp 92 175

4.149col id1=AtMSQTsnp 97 vs col id2=AtMSQTsnp 97 175

1 Summary

Table 1: data_y10001101.tsv vs data_2010_x_149SNP_y1.tsv

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	1069	13	120	334	335	436	388	0	2	0	2	3	1
A	5763	3	324	6994	17	29	5	4	19	5	0	0	0
C	4605	0	318	7	5519	10	27	0	0	0	5	9	0
G	5734	0	298	37	2	6954	7	0	10	0	3	0	3
T	4779	7	268	4	22	7	5907	0	0	2	0	8	4
AC	25	0	1	12	0	0	0	0	0	0	0	0	0
AG	31	0	3	0	0	0	0	0	0	0	0	0	0
AT	9	0	0	0	0	0	1	0	0	1	0	0	0
CG	7	0	0	0	0	0	0	0	0	0	0	0	0
CT	91	0	7	0	40	0	2	0	0	0	0	1	0
GT	6	0	0	0	0	1	0	0	0	0	0	0	0

2 Real Mismatches (deletion/NA excluded)

Table 2: mismatches (deletion/NA excluded)

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 100	G	27	AtMSQTsnp 100	A
(5837, 1)/Bor-1	AtMSQTsnp 123	A	27	AtMSQTsnp 123	G
(5837, 1)/Bor-1	AtMSQTsnp 129	A	27	AtMSQTsnp 129	G
(5837, 1)/Bor-1	AtMSQTsnp 130	C	27	AtMSQTsnp 130	T
(5837, 1)/Bor-1	AtMSQTsnp 145	C	27	AtMSQTsnp 145	T
(5837, 1)/Bor-1	AtMSQTsnp 159	C	27	AtMSQTsnp 159	T
(5837, 1)/Bor-1	AtMSQTsnp 177	G	27	AtMSQTsnp 177	A
(5837, 1)/Bor-1	AtMSQTsnp 184	A	27	AtMSQTsnp 184	T
(5837, 1)/Bor-1	AtMSQTsnp 187	T	27	AtMSQTsnp 187	A
(5837, 1)/Bor-1	AtMSQTsnp 188	C	27	AtMSQTsnp 188	T
(5837, 1)/Bor-1	AtMSQTsnp 191	A	27	AtMSQTsnp 191	C
(5837, 1)/Bor-1	AtMSQTsnp 2	G	27	AtMSQTsnp 2	A
(5837, 1)/Bor-1	AtMSQTsnp 21	T	27	AtMSQTsnp 21	C
(5837, 1)/Bor-1	AtMSQTsnp 220	A	27	AtMSQTsnp 220	G
(5837, 1)/Bor-1	AtMSQTsnp 254	A	27	AtMSQTsnp 254	C
(5837, 1)/Bor-1	AtMSQTsnp 263	C	27	AtMSQTsnp 263	T
(5837, 1)/Bor-1	AtMSQTsnp 286	G	27	AtMSQTsnp 286	C
(5837, 1)/Bor-1	AtMSQTsnp 288	A	27	AtMSQTsnp 288	G
(5837, 1)/Bor-1	AtMSQTsnp 30	T	27	AtMSQTsnp 30	C
(5837, 1)/Bor-1	AtMSQTsnp 300	G	27	AtMSQTsnp 300	A
(5837, 1)/Bor-1	AtMSQTsnp 31	T	27	AtMSQTsnp 31	G
(5837, 1)/Bor-1	AtMSQTsnp 310	A	27	AtMSQTsnp 310	C
(5837, 1)/Bor-1	AtMSQTsnp 321	A	27	AtMSQTsnp 321	C
(5837, 1)/Bor-1	AtMSQTsnp 343	T	27	AtMSQTsnp 343	C

(5837, 1)/Bor-1	AtMSQTsnp 368	G	27	AtMSQTsnp 368	A
(5837, 1)/Bor-1	AtMSQTsnp 370	A	27	AtMSQTsnp 370	G
(5837, 1)/Bor-1	AtMSQTsnp 373	A	27	AtMSQTsnp 373	G
(5837, 1)/Bor-1	AtMSQTsnp 379	A	27	AtMSQTsnp 379	G
(5837, 1)/Bor-1	AtMSQTsnp 388	A	27	AtMSQTsnp 388	C
(5837, 1)/Bor-1	AtMSQTsnp 394	A	27	AtMSQTsnp 394	G
(5837, 1)/Bor-1	AtMSQTsnp 40	C	27	AtMSQTsnp 40	G
(5837, 1)/Bor-1	AtMSQTsnp 406	A	27	AtMSQTsnp 406	G
(5837, 1)/Bor-1	AtMSQTsnp 408	A	27	AtMSQTsnp 408	G
(5837, 1)/Bor-1	AtMSQTsnp 410	G	27	AtMSQTsnp 410	A
(5837, 1)/Bor-1	AtMSQTsnp 49	C	27	AtMSQTsnp 49	T
(5837, 1)/Bor-1	AtMSQTsnp 57	C	27	AtMSQTsnp 57	T
(5837, 1)/Bor-1	AtMSQTsnp 58	C	27	AtMSQTsnp 58	G
(5837, 1)/Bor-1	AtMSQTsnp 67	A	27	AtMSQTsnp 67	G
(5837, 1)/Bor-1	AtMSQTsnp 76	C	27	AtMSQTsnp 76	T
(5837, 1)/Bor-1	AtMSQTsnp 88	G	27	AtMSQTsnp 88	A
(5837, 1)/Bor-1	AtMSQTsnp 91	A	27	AtMSQTsnp 91	G
(5837, 1)/Bor-1	AtMSQTsnp 92	A	27	AtMSQTsnp 92	G
(5837, 2)/Bor-1	AtMSQTsnp 12	G	27	AtMSQTsnp 12	A
(5837, 2)/Bor-1	AtMSQTsnp 194	T	27	AtMSQTsnp 194	A
(5837, 2)/Bor-1	AtMSQTsnp 22	A	27	AtMSQTsnp 22	G
(5837, 2)/Bor-1	AtMSQTsnp 223	A	27	AtMSQTsnp 223	G
(5837, 2)/Bor-1	AtMSQTsnp 249	G	27	AtMSQTsnp 249	A
(5837, 2)/Bor-1	AtMSQTsnp 278	A	27	AtMSQTsnp 278	G
(5837, 2)/Bor-1	AtMSQTsnp 294	G	27	AtMSQTsnp 294	T
(5837, 2)/Bor-1	AtMSQTsnp 323	G	27	AtMSQTsnp 323	A
(5837, 2)/Bor-1	AtMSQTsnp 325	C	27	AtMSQTsnp 325	T
(5837, 2)/Bor-1	AtMSQTsnp 355	G	27	AtMSQTsnp 355	T
(5837, 2)/Bor-1	AtMSQTsnp 358	G	27	AtMSQTsnp 358	A
(5837, 2)/Bor-1	AtMSQTsnp 390	C	27	AtMSQTsnp 390	T
(5837, 2)/Bor-1	AtMSQTsnp 398	G	27	AtMSQTsnp 398	C
(5837, 2)/Bor-1	AtMSQTsnp 48	C	27	AtMSQTsnp 48	T
(5837, 2)/Bor-1	AtMSQTsnp 97	C	27	AtMSQTsnp 97	G
(6008, 2)/Duk	AtMSQTsnp 278	G	378	AtMSQTsnp 278	A
(6042, 1)/Lom1-1	AtMSQTsnp 278	G	351	AtMSQTsnp 278	A
(6043, 1)/L	AtMSQTsnp 370	G	11	AtMSQTsnp 370	A
(6046, 1)/L	AtMSQTsnp 370	G	12	AtMSQTsnp 370	A
(6088, 1)/Stu1-1	AtMSQTsnp 274	T	363	AtMSQTsnp 274	G
(6897, 1)/Ag-0	AtMSQTsnp 267	CT	67	AtMSQTsnp 267	C
(6897, 1)/Ag-0	AtMSQTsnp 315	AT	67	AtMSQTsnp 315	T
(6900, 1)/Bil-5	AtMSQTsnp 370	G	15	AtMSQTsnp 370	A
(6901, 1)/Bil-7	AtMSQTsnp 370	G	16	AtMSQTsnp 370	A
(6904, 1)/Br-0	AtMSQTsnp 267	CT	65	AtMSQTsnp 267	C
(6907, 1)/CIBC-17	AtMSQTsnp 114	A	40	AtMSQTsnp 114	G
(6907, 1)/CIBC-17	AtMSQTsnp 159	T	40	AtMSQTsnp 159	C
(6907, 1)/CIBC-17	AtMSQTsnp 223	A	40	AtMSQTsnp 223	G
(6907, 1)/CIBC-17	AtMSQTsnp 244	A	40	AtMSQTsnp 244	G
(6907, 1)/CIBC-17	AtMSQTsnp 267	CT	40	AtMSQTsnp 267	C
(6907, 1)/CIBC-17	AtMSQTsnp 307	T	40	AtMSQTsnp 307	A
(6907, 1)/CIBC-17	AtMSQTsnp 321	A	40	AtMSQTsnp 321	C
(6907, 1)/CIBC-17	AtMSQTsnp 327	T	40	AtMSQTsnp 327	G
(6907, 1)/CIBC-17	AtMSQTsnp 334	C	40	AtMSQTsnp 334	T
(6907, 1)/CIBC-17	AtMSQTsnp 415	G	40	AtMSQTsnp 415	A
(6908, 1)/CIBC-5	AtMSQTsnp 223	G	39	AtMSQTsnp 223	A
(6908, 1)/CIBC-5	AtMSQTsnp 244	G	39	AtMSQTsnp 244	A
(6908, 1)/CIBC-5	AtMSQTsnp 304	T	39	AtMSQTsnp 304	C
(6908, 1)/CIBC-5	AtMSQTsnp 306	C	39	AtMSQTsnp 306	G
(6908, 1)/CIBC-5	AtMSQTsnp 307	A	39	AtMSQTsnp 307	T
(6908, 1)/CIBC-5	AtMSQTsnp 321	C	39	AtMSQTsnp 321	A
(6908, 1)/CIBC-5	AtMSQTsnp 327	G	39	AtMSQTsnp 327	T
(6908, 1)/CIBC-5	AtMSQTsnp 334	T	39	AtMSQTsnp 334	C
(6910, 1)/Ct-1	AtMSQTsnp 156	C	76	AtMSQTsnp 156	T
(6910, 1)/Ct-1	AtMSQTsnp 292	C	76	AtMSQTsnp 292	T
(6915, 1)/Ei-2	AtMSQTsnp 138	T	53	AtMSQTsnp 138	C
(6915, 1)/Ei-2	AtMSQTsnp 232	AC	53	AtMSQTsnp 232	A
(6916, 1)/Est-1	AtMSQTsnp 164	A	66	AtMSQTsnp 164	C
(6916, 1)/Est-1	AtMSQTsnp 232	AC	66	AtMSQTsnp 232	A
(6917, 1)/F2	AtMSQTsnp 138	CT	13	AtMSQTsnp 138	C
(6918, 1)/F4	AtMSQTsnp 282	A	14	AtMSQTsnp 282	AT
(6920, 1)/GOT-22	AtMSQTsnp 267	CT	46	AtMSQTsnp 267	C
(6920, 1)/GOT-22	AtMSQTsnp 306	G	46	AtMSQTsnp 306	CG
(6921, 1)/GOT-7	AtMSQTsnp 267	CT	45	AtMSQTsnp 267	C
(6923, 1)/HR-10	AtMSQTsnp 138	CT	34	AtMSQTsnp 138	C
(6924, 1)/HR-5	AtMSQTsnp 114	A	33	AtMSQTsnp 114	AG
(6924, 1)/HR-5	AtMSQTsnp 304	CT	33	AtMSQTsnp 304	T
(6927, 1)/KNO-10	AtMSQTsnp 378	C	3	AtMSQTsnp 378	G
(6929, 1)/Kondara	AtMSQTsnp 114	G	88	AtMSQTsnp 114	A
(6930, 1)/KZ-1	AtMSQTsnp 15	C	43	AtMSQTsnp 15	T
(6932, 1)/Ler-1	AtMSQTsnp 159	C	55	AtMSQTsnp 159	T
(6935, 1)/L	AtMSQTsnp 370	G	12	AtMSQTsnp 370	A
(6936, 1)/Lz-0	AtMSQTsnp 159	C	52	AtMSQTsnp 159	T

(6937, 1)/Mrk-0	AtMSQTsnp 138	CT	72	AtMSQTsnp 138	C
(6937, 1)/Mrk-0	AtMSQTsnp 325	T	72	AtMSQTsnp 325	C
(6938, 1)/Ms-0	AtMSQTsnp 173	G	92	AtMSQTsnp 173	A
(6938, 1)/Ms-0	AtMSQTsnp 177	A	92	AtMSQTsnp 177	AG
(6938, 1)/Ms-0	AtMSQTsnp 220	G	92	AtMSQTsnp 220	A
(6938, 1)/Ms-0	AtMSQTsnp 222	T	92	AtMSQTsnp 222	G
(6938, 1)/Ms-0	AtMSQTsnp 249	A	92	AtMSQTsnp 249	AG
(6938, 1)/Ms-0	AtMSQTsnp 323	G	92	AtMSQTsnp 323	AG
(6938, 1)/Ms-0	AtMSQTsnp 331	C	92	AtMSQTsnp 331	G
(6939, 1)/Mt-0	AtMSQTsnp 97	C	79	AtMSQTsnp 97	G
(6942, 1)/Nd-1	AtMSQTsnp 138	T	56	AtMSQTsnp 138	C
(6942, 1)/Nd-1	AtMSQTsnp 232	AC	56	AtMSQTsnp 232	A
(6943, 1)/NFA-10	AtMSQTsnp 159	T	36	AtMSQTsnp 159	C
(6943, 1)/NFA-10	AtMSQTsnp 232	AC	36	AtMSQTsnp 232	A
(6945, 1)/Nok-3	AtMSQTsnp 334	T	80	AtMSQTsnp 334	C
(6946, 1)/Oy-0	AtMSQTsnp 232	AC	95	AtMSQTsnp 232	A
(6958, 1)/Ra-0	AtMSQTsnp 164	A	69	AtMSQTsnp 164	C
(6958, 1)/Ra-0	AtMSQTsnp 321	C	69	AtMSQTsnp 321	A
(6959, 1)/REN-1	AtMSQTsnp 267	CT	47	AtMSQTsnp 267	C
(6959, 1)/REN-1	AtMSQTsnp 281	CT	47	AtMSQTsnp 281	T
(6959, 1)/REN-1	AtMSQTsnp 388	C	47	AtMSQTsnp 388	A
(6959, 1)/REN-1	AtMSQTsnp 392	G	47	AtMSQTsnp 392	A
(6960, 1)/REN-11	AtMSQTsnp 266	G	48	AtMSQTsnp 266	GT
(6960, 1)/REN-11	AtMSQTsnp 267	CT	48	AtMSQTsnp 267	C
(6960, 1)/REN-11	AtMSQTsnp 285	C	48	AtMSQTsnp 285	CT
(6961, 1)/Se-0	AtMSQTsnp 267	CT	83	AtMSQTsnp 267	C
(6970, 1)/Ts-1	AtMSQTsnp 232	AC	84	AtMSQTsnp 232	A
(6971, 1)/Ts-5	AtMSQTsnp 267	CT	85	AtMSQTsnp 267	C
(6971, 1)/Ts-5	AtMSQTsnp 370	G	85	AtMSQTsnp 370	A
(6972, 1)/Tsu-1	AtMSQTsnp 232	AC	78	AtMSQTsnp 232	A
(6972, 1)/Tsu-1	AtMSQTsnp 334	C	78	AtMSQTsnp 334	T
(6976, 1)/Uod-7	AtMSQTsnp 267	CT	50	AtMSQTsnp 267	C
(6977, 1)/Van-0	AtMSQTsnp 101	A	64	AtMSQTsnp 101	AG
(6977, 1)/Van-0	AtMSQTsnp 108	G	64	AtMSQTsnp 108	AG
(6977, 1)/Van-0	AtMSQTsnp 11	T	64	AtMSQTsnp 11	CT
(6977, 1)/Van-0	AtMSQTsnp 12	A	64	AtMSQTsnp 12	G
(6977, 1)/Van-0	AtMSQTsnp 188	C	64	AtMSQTsnp 188	CT
(6977, 1)/Van-0	AtMSQTsnp 194	T	64	AtMSQTsnp 194	AT
(6977, 1)/Van-0	AtMSQTsnp 197	A	64	AtMSQTsnp 197	AG
(6977, 1)/Van-0	AtMSQTsnp 203	A	64	AtMSQTsnp 203	AT
(6977, 1)/Van-0	AtMSQTsnp 214	A	64	AtMSQTsnp 214	AG
(6977, 1)/Van-0	AtMSQTsnp 220	A	64	AtMSQTsnp 220	G
(6977, 1)/Van-0	AtMSQTsnp 242	C	64	AtMSQTsnp 242	CT
(6977, 1)/Van-0	AtMSQTsnp 260	A	64	AtMSQTsnp 260	AC
(6977, 1)/Van-0	AtMSQTsnp 266	T	64	AtMSQTsnp 266	GT
(6977, 1)/Van-0	AtMSQTsnp 281	T	64	AtMSQTsnp 281	C
(6977, 1)/Van-0	AtMSQTsnp 285	T	64	AtMSQTsnp 285	CT
(6977, 1)/Van-0	AtMSQTsnp 29	A	64	AtMSQTsnp 29	AT
(6977, 1)/Van-0	AtMSQTsnp 323	A	64	AtMSQTsnp 323	AG
(6977, 1)/Van-0	AtMSQTsnp 359	G	64	AtMSQTsnp 359	GT
(6977, 1)/Van-0	AtMSQTsnp 378	C	64	AtMSQTsnp 378	CG
(6977, 1)/Van-0	AtMSQTsnp 390	T	64	AtMSQTsnp 390	CT
(6977, 1)/Van-0	AtMSQTsnp 395	A	64	AtMSQTsnp 395	AG
(6977, 1)/Van-0	AtMSQTsnp 397	T	64	AtMSQTsnp 397	GT
(6977, 1)/Van-0	AtMSQTsnp 410	G	64	AtMSQTsnp 410	AG
(6977, 1)/Van-0	AtMSQTsnp 63	A	64	AtMSQTsnp 63	AC
(6977, 1)/Van-0	AtMSQTsnp 8	G	64	AtMSQTsnp 8	AG
(6977, 1)/Van-0	AtMSQTsnp 90	C	64	AtMSQTsnp 90	CT
(6977, 1)/Van-0	AtMSQTsnp 97	C	64	AtMSQTsnp 97	CG
(6979, 1)/Wei-0	AtMSQTsnp 232	AC	59	AtMSQTsnp 232	A
(6980, 1)/Ws-0	AtMSQTsnp 267	CT	60	AtMSQTsnp 267	C
(6981, 1)/Ws-2	AtMSQTsnp 370	G	96	AtMSQTsnp 370	A
(6982, 1)/Wt-5	AtMSQTsnp 334	C	74	AtMSQTsnp 334	T
(6984, 1)/Zdr-1	AtMSQTsnp 232	AC	25	AtMSQTsnp 232	A
(6984, 1)/Zdr-1	AtMSQTsnp 260	A	25	AtMSQTsnp 260	C
(6985, 1)/Zdr-6	AtMSQTsnp 267	CT	26	AtMSQTsnp 267	C
(7438, 1)/N13	AtMSQTsnp 169	GT	58	AtMSQTsnp 169	G
(7515, 1)/RRS-10	AtMSQTsnp 140	A	2	AtMSQTsnp 140	C
(7515, 1)/RRS-10	AtMSQTsnp 267	CT	2	AtMSQTsnp 267	C
(7516, 1)/V-1	AtMSQTsnp 138	CT	17	AtMSQTsnp 138	C
(7519, 1)/	AtMSQTsnp 267	CT	22	AtMSQTsnp 267	C
(7519, 1)/	AtMSQTsnp 373	G	22	AtMSQTsnp 373	A
(7523, 1)/Pna-17	AtMSQTsnp 267	CT	7	AtMSQTsnp 267	C
(7524, 1)/Rmx-A02	AtMSQTsnp 232	AC	5	AtMSQTsnp 232	A
(7526, 1)/Pna-10	AtMSQTsnp 232	AC	8	AtMSQTsnp 232	A
(7526, 1)/Pna-10	AtMSQTsnp 267	CT	8	AtMSQTsnp 267	C
(8214, 1)/Gy-0	AtMSQTsnp 164	A	68	AtMSQTsnp 164	C
(8215, 1)/Fei-0	AtMSQTsnp 223	G	82	AtMSQTsnp 223	AG
(8215, 1)/Fei-0	AtMSQTsnp 232	AC	82	AtMSQTsnp 232	A
(8234, 1)/Gull-2	AtMSQTsnp 274	T	356	AtMSQTsnp 274	G
(8244, 1)/PHW-34	AtMSQTsnp 274	G	304	AtMSQTsnp 274	T

(8246, 1)/NC-6	AtMSQTsnp 274	G	294	AtMSQTsnp 274	T
(8246, 1)/NC-6	AtMSQTsnp 278	A	294	AtMSQTsnp 278	G
(8251, 1)/Ag-0	AtMSQTsnp 267	CT	67	AtMSQTsnp 267	C
(8263, 1)/Bil-7	AtMSQTsnp 370	G	16	AtMSQTsnp 370	A
(8269, 1)/Br-0	AtMSQTsnp 267	CT	65	AtMSQTsnp 267	C
(8273, 1)/C24	AtMSQTsnp 138	CT	57	AtMSQTsnp 138	C
(8276, 1)/CIBC-17	AtMSQTsnp 114	A	40	AtMSQTsnp 114	G
(8276, 1)/CIBC-17	AtMSQTsnp 159	T	40	AtMSQTsnp 159	C
(8276, 1)/CIBC-17	AtMSQTsnp 223	A	40	AtMSQTsnp 223	G
(8276, 1)/CIBC-17	AtMSQTsnp 244	A	40	AtMSQTsnp 244	G
(8276, 1)/CIBC-17	AtMSQTsnp 267	CT	40	AtMSQTsnp 267	C
(8276, 1)/CIBC-17	AtMSQTsnp 307	T	40	AtMSQTsnp 307	A
(8276, 1)/CIBC-17	AtMSQTsnp 321	A	40	AtMSQTsnp 321	C
(8276, 1)/CIBC-17	AtMSQTsnp 327	T	40	AtMSQTsnp 327	G
(8276, 1)/CIBC-17	AtMSQTsnp 334	C	40	AtMSQTsnp 334	T
(8276, 1)/CIBC-17	AtMSQTsnp 415	G	40	AtMSQTsnp 415	A
(8277, 1)/CIBC-5	AtMSQTsnp 138	CT	39	AtMSQTsnp 138	C
(8277, 1)/CIBC-5	AtMSQTsnp 223	G	39	AtMSQTsnp 223	A
(8277, 1)/CIBC-5	AtMSQTsnp 244	G	39	AtMSQTsnp 244	A
(8277, 1)/CIBC-5	AtMSQTsnp 304	T	39	AtMSQTsnp 304	C
(8277, 1)/CIBC-5	AtMSQTsnp 306	C	39	AtMSQTsnp 306	G
(8277, 1)/CIBC-5	AtMSQTsnp 307	A	39	AtMSQTsnp 307	T
(8277, 1)/CIBC-5	AtMSQTsnp 321	C	39	AtMSQTsnp 321	A
(8277, 1)/CIBC-5	AtMSQTsnp 334	T	39	AtMSQTsnp 334	C
(8280, 1)/Ct-1	AtMSQTsnp 156	C	76	AtMSQTsnp 156	T
(8280, 1)/Ct-1	AtMSQTsnp 292	C	76	AtMSQTsnp 292	T
(8284, 1)/DraII-1	AtMSQTsnp 274	G	381	AtMSQTsnp 274	T
(8284, 1)/DraII-1	AtMSQTsnp 278	A	381	AtMSQTsnp 278	AG
(8284, 1)/DraII-1	AtMSQTsnp 279	T	381	AtMSQTsnp 279	CT
(8291, 1)/Est-1	AtMSQTsnp 164	A	66	AtMSQTsnp 164	C
(8293, 1)/F4	AtMSQTsnp 307	A	14	AtMSQTsnp 307	T
(8293, 1)/F4	AtMSQTsnp 97	C	14	AtMSQTsnp 97	CG
(8294, 1)/Fei-0	AtMSQTsnp 223	G	82	AtMSQTsnp 223	AG
(8298, 1)/Got-22	AtMSQTsnp 267	CT	46	AtMSQTsnp 267	C
(8298, 1)/Got-22	AtMSQTsnp 306	G	46	AtMSQTsnp 306	CG
(8299, 1)/Got-7	AtMSQTsnp 267	CT	45	AtMSQTsnp 267	C
(8302, 1)/Gy-0	AtMSQTsnp 164	A	68	AtMSQTsnp 164	C
(8309, 1)/HR-5	AtMSQTsnp 114	A	33	AtMSQTsnp 114	AG
(8316, 1)/Kin-0	AtMSQTsnp 138	CT	91	AtMSQTsnp 138	C
(8317, 1)/Kno-10	AtMSQTsnp 378	C	3	AtMSQTsnp 378	G
(8319, 1)/Kondara	AtMSQTsnp 114	G	88	AtMSQTsnp 114	A
(8320, 1)/Kz-1	AtMSQTsnp 15	C	43	AtMSQTsnp 15	T
(8324, 1)/Ler-1	AtMSQTsnp 159	C	55	AtMSQTsnp 159	T
(8336, 1)/Lz-0	AtMSQTsnp 159	C	52	AtMSQTsnp 159	T
(8339, 1)/Mrk-0	AtMSQTsnp 325	T	72	AtMSQTsnp 325	C
(8340, 1)/Ms-0	AtMSQTsnp 173	G	92	AtMSQTsnp 173	A
(8340, 1)/Ms-0	AtMSQTsnp 177	A	92	AtMSQTsnp 177	AG
(8340, 1)/Ms-0	AtMSQTsnp 249	A	92	AtMSQTsnp 249	AG
(8340, 1)/Ms-0	AtMSQTsnp 323	G	92	AtMSQTsnp 323	AG
(8340, 1)/Ms-0	AtMSQTsnp 331	C	92	AtMSQTsnp 331	G
(8341, 1)/Mt-0	AtMSQTsnp 138	CT	79	AtMSQTsnp 138	C
(8345, 1)/NFA-10	AtMSQTsnp 159	T	36	AtMSQTsnp 159	C
(8347, 1)/Nok-3	AtMSQTsnp 334	T	80	AtMSQTsnp 334	C
(8350, 1)/	AtMSQTsnp 267	CT	22	AtMSQTsnp 267	C
(8350, 1)/	AtMSQTsnp 373	G	22	AtMSQTsnp 373	A
(8356, 1)/Pi-0	AtMSQTsnp 274	G	336	AtMSQTsnp 274	T
(8356, 1)/Pi-0	AtMSQTsnp 279	T	336	AtMSQTsnp 279	C
(8358, 1)/Pna-10	AtMSQTsnp 267	CT	8	AtMSQTsnp 267	C
(8359, 1)/Pna-17	AtMSQTsnp 267	CT	7	AtMSQTsnp 267	C
(8364, 1)/Ra-0	AtMSQTsnp 164	A	69	AtMSQTsnp 164	C
(8364, 1)/Ra-0	AtMSQTsnp 223	A	69	AtMSQTsnp 223	G
(8364, 1)/Ra-0	AtMSQTsnp 321	C	69	AtMSQTsnp 321	A
(8364, 1)/Ra-0	AtMSQTsnp 334	T	69	AtMSQTsnp 334	C
(8367, 1)/Ren-1	AtMSQTsnp 267	CT	47	AtMSQTsnp 267	C
(8367, 1)/Ren-1	AtMSQTsnp 388	C	47	AtMSQTsnp 388	A
(8367, 1)/Ren-1	AtMSQTsnp 392	G	47	AtMSQTsnp 392	A
(8372, 1)/RRS-10	AtMSQTsnp 140	A	2	AtMSQTsnp 140	C
(8372, 1)/RRS-10	AtMSQTsnp 267	CT	2	AtMSQTsnp 267	C
(8379, 1)/Se-0	AtMSQTsnp 267	CT	83	AtMSQTsnp 267	C
(8380, 1)/Sf-1	AtMSQTsnp 274	T	300	AtMSQTsnp 274	G
(8380, 1)/Sf-1	AtMSQTsnp 278	G	300	AtMSQTsnp 278	A
(8393, 1)/Ts-5	AtMSQTsnp 267	CT	85	AtMSQTsnp 267	C
(8394, 1)/Tsu-1	AtMSQTsnp 138	T	78	AtMSQTsnp 138	C
(8394, 1)/Tsu-1	AtMSQTsnp 334	C	78	AtMSQTsnp 334	T
(8399, 1)/Uod-7	AtMSQTsnp 267	CT	50	AtMSQTsnp 267	C
(8400, 1)/Van-0	AtMSQTsnp 101	A	64	AtMSQTsnp 101	AG
(8400, 1)/Van-0	AtMSQTsnp 108	G	64	AtMSQTsnp 108	AG
(8400, 1)/Van-0	AtMSQTsnp 11	T	64	AtMSQTsnp 11	CT
(8400, 1)/Van-0	AtMSQTsnp 12	A	64	AtMSQTsnp 12	G
(8400, 1)/Van-0	AtMSQTsnp 129	A	64	AtMSQTsnp 129	AG
(8400, 1)/Van-0	AtMSQTsnp 184	A	64	AtMSQTsnp 184	T

(8400, 1)/Van-0	AtMSQTsnp 188	C	64	AtMSQTsnp 188	CT
(8400, 1)/Van-0	AtMSQTsnp 194	T	64	AtMSQTsnp 194	AT
(8400, 1)/Van-0	AtMSQTsnp 197	A	64	AtMSQTsnp 197	AG
(8400, 1)/Van-0	AtMSQTsnp 203	A	64	AtMSQTsnp 203	AT
(8400, 1)/Van-0	AtMSQTsnp 214	A	64	AtMSQTsnp 214	AG
(8400, 1)/Van-0	AtMSQTsnp 220	A	64	AtMSQTsnp 220	G
(8400, 1)/Van-0	AtMSQTsnp 237	T	64	AtMSQTsnp 237	CT
(8400, 1)/Van-0	AtMSQTsnp 242	C	64	AtMSQTsnp 242	CT
(8400, 1)/Van-0	AtMSQTsnp 260	A	64	AtMSQTsnp 260	AC
(8400, 1)/Van-0	AtMSQTsnp 266	T	64	AtMSQTsnp 266	GT
(8400, 1)/Van-0	AtMSQTsnp 267	C	64	AtMSQTsnp 267	CT
(8400, 1)/Van-0	AtMSQTsnp 281	T	64	AtMSQTsnp 281	C
(8400, 1)/Van-0	AtMSQTsnp 285	T	64	AtMSQTsnp 285	CT
(8400, 1)/Van-0	AtMSQTsnp 29	A	64	AtMSQTsnp 29	AT
(8400, 1)/Van-0	AtMSQTsnp 323	A	64	AtMSQTsnp 323	AG
(8400, 1)/Van-0	AtMSQTsnp 359	G	64	AtMSQTsnp 359	GT
(8400, 1)/Van-0	AtMSQTsnp 378	C	64	AtMSQTsnp 378	CG
(8400, 1)/Van-0	AtMSQTsnp 390	T	64	AtMSQTsnp 390	CT
(8400, 1)/Van-0	AtMSQTsnp 395	A	64	AtMSQTsnp 395	AG
(8400, 1)/Van-0	AtMSQTsnp 397	T	64	AtMSQTsnp 397	GT
(8400, 1)/Van-0	AtMSQTsnp 410	G	64	AtMSQTsnp 410	AG
(8400, 1)/Van-0	AtMSQTsnp 47	C	64	AtMSQTsnp 47	A
(8400, 1)/Van-0	AtMSQTsnp 58	G	64	AtMSQTsnp 58	CG
(8400, 1)/Van-0	AtMSQTsnp 63	A	64	AtMSQTsnp 63	AC
(8400, 1)/Van-0	AtMSQTsnp 65	A	64	AtMSQTsnp 65	AG
(8400, 1)/Van-0	AtMSQTsnp 8	G	64	AtMSQTsnp 8	AG
(8400, 1)/Van-0	AtMSQTsnp 87	C	64	AtMSQTsnp 87	CT
(8400, 1)/Van-0	AtMSQTsnp 90	C	64	AtMSQTsnp 90	CT
(8400, 1)/Van-0	AtMSQTsnp 92	A	64	AtMSQTsnp 92	G
(8400, 1)/Van-0	AtMSQTsnp 97	C	64	AtMSQTsnp 97	CG
(8405, 1)/Ws-0	AtMSQTsnp 267	CT	60	AtMSQTsnp 267	C
(8407, 1)/Wt-5	AtMSQTsnp 334	C	74	AtMSQTsnp 334	T
(8408, 1)/Yo-0	AtMSQTsnp 138	CT	61	AtMSQTsnp 138	C
(8409, 1)/Zdr-1	AtMSQTsnp 260	A	25	AtMSQTsnp 260	C
(8410, 1)/Zdr-6	AtMSQTsnp 267	CT	26	AtMSQTsnp 267	C

3 Diff Matrix for each strain

3.1 row id1=(5837, 1) (Bor-1) vs row id2=27

Table 3: row id1=(5837, 1) (Bor-1) vs row id2=27

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	1	0	2	1	0	0	0	0	0	0
A	1	0	2	24	5	13	1	0	0	0	0	0	0
C	0	0	1	0	22	2	8	0	0	0	0	0	0
G	0	0	1	7	1	21	0	0	0	0	0	0	0
T	1	0	1	1	3	1	29	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 4: detailed difference for row id1=(5837, 1) (Bor-1) vs row id2=27

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 100	G	27	AtMSQTsnp 100	A
(5837, 1)/Bor-1	AtMSQTsnp 123	A	27	AtMSQTsnp 123	G
(5837, 1)/Bor-1	AtMSQTsnp 129	A	27	AtMSQTsnp 129	G
(5837, 1)/Bor-1	AtMSQTsnp 130	C	27	AtMSQTsnp 130	T
(5837, 1)/Bor-1	AtMSQTsnp 145	C	27	AtMSQTsnp 145	T
(5837, 1)/Bor-1	AtMSQTsnp 159	C	27	AtMSQTsnp 159	T
(5837, 1)/Bor-1	AtMSQTsnp 177	G	27	AtMSQTsnp 177	A
(5837, 1)/Bor-1	AtMSQTsnp 184	A	27	AtMSQTsnp 184	T
(5837, 1)/Bor-1	AtMSQTsnp 187	T	27	AtMSQTsnp 187	A
(5837, 1)/Bor-1	AtMSQTsnp 188	C	27	AtMSQTsnp 188	T
(5837, 1)/Bor-1	AtMSQTsnp 191	A	27	AtMSQTsnp 191	C
(5837, 1)/Bor-1	AtMSQTsnp 2	G	27	AtMSQTsnp 2	A
(5837, 1)/Bor-1	AtMSQTsnp 21	T	27	AtMSQTsnp 21	C
(5837, 1)/Bor-1	AtMSQTsnp 220	A	27	AtMSQTsnp 220	G

(5837, 1)/Bor-1	AtMSQTsnp 254	A	27	AtMSQTsnp 254	C
(5837, 1)/Bor-1	AtMSQTsnp 263	C	27	AtMSQTsnp 263	T
(5837, 1)/Bor-1	AtMSQTsnp 286	G	27	AtMSQTsnp 286	C
(5837, 1)/Bor-1	AtMSQTsnp 288	A	27	AtMSQTsnp 288	G
(5837, 1)/Bor-1	AtMSQTsnp 30	T	27	AtMSQTsnp 30	C
(5837, 1)/Bor-1	AtMSQTsnp 300	G	27	AtMSQTsnp 300	A
(5837, 1)/Bor-1	AtMSQTsnp 31	T	27	AtMSQTsnp 31	G
(5837, 1)/Bor-1	AtMSQTsnp 310	A	27	AtMSQTsnp 310	C
(5837, 1)/Bor-1	AtMSQTsnp 321	A	27	AtMSQTsnp 321	C
(5837, 1)/Bor-1	AtMSQTsnp 343	T	27	AtMSQTsnp 343	C
(5837, 1)/Bor-1	AtMSQTsnp 368	G	27	AtMSQTsnp 368	A
(5837, 1)/Bor-1	AtMSQTsnp 370	A	27	AtMSQTsnp 370	G
(5837, 1)/Bor-1	AtMSQTsnp 373	A	27	AtMSQTsnp 373	G
(5837, 1)/Bor-1	AtMSQTsnp 379	A	27	AtMSQTsnp 379	G
(5837, 1)/Bor-1	AtMSQTsnp 388	A	27	AtMSQTsnp 388	C
(5837, 1)/Bor-1	AtMSQTsnp 394	A	27	AtMSQTsnp 394	G
(5837, 1)/Bor-1	AtMSQTsnp 40	C	27	AtMSQTsnp 40	G
(5837, 1)/Bor-1	AtMSQTsnp 406	A	27	AtMSQTsnp 406	G
(5837, 1)/Bor-1	AtMSQTsnp 408	A	27	AtMSQTsnp 408	G
(5837, 1)/Bor-1	AtMSQTsnp 410	G	27	AtMSQTsnp 410	A
(5837, 1)/Bor-1	AtMSQTsnp 49	C	27	AtMSQTsnp 49	T
(5837, 1)/Bor-1	AtMSQTsnp 57	C	27	AtMSQTsnp 57	T
(5837, 1)/Bor-1	AtMSQTsnp 58	C	27	AtMSQTsnp 58	G
(5837, 1)/Bor-1	AtMSQTsnp 67	A	27	AtMSQTsnp 67	G
(5837, 1)/Bor-1	AtMSQTsnp 76	C	27	AtMSQTsnp 76	T
(5837, 1)/Bor-1	AtMSQTsnp 88	G	27	AtMSQTsnp 88	A
(5837, 1)/Bor-1	AtMSQTsnp 91	A	27	AtMSQTsnp 91	G
(5837, 1)/Bor-1	AtMSQTsnp 92	A	27	AtMSQTsnp 92	G

3.2 row id1=(5837, 2) (Bor-1) vs row id2=27

Table 5: row id1=(5837, 2) (Bor-1) vs row id2=27

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	0	2	1	0	0	0	0	0	0
A	1	0	2	28	0	3	0	0	0	0	0	0	0
C	0	0	0	0	30	1	3	0	0	0	0	0	0
G	0	0	2	4	1	33	2	0	0	0	0	0	0
T	1	0	1	1	0	0	33	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 6: detailed difference for row id1=(5837, 2) (Bor-1) vs row id2=27

row id1	col id1	call1	row id2	col id2	call2
(5837, 2)/Bor-1	AtMSQTsnp 12	G	27	AtMSQTsnp 12	A
(5837, 2)/Bor-1	AtMSQTsnp 194	T	27	AtMSQTsnp 194	A
(5837, 2)/Bor-1	AtMSQTsnp 22	A	27	AtMSQTsnp 22	G
(5837, 2)/Bor-1	AtMSQTsnp 223	A	27	AtMSQTsnp 223	G
(5837, 2)/Bor-1	AtMSQTsnp 249	G	27	AtMSQTsnp 249	A
(5837, 2)/Bor-1	AtMSQTsnp 278	A	27	AtMSQTsnp 278	G
(5837, 2)/Bor-1	AtMSQTsnp 294	G	27	AtMSQTsnp 294	T
(5837, 2)/Bor-1	AtMSQTsnp 323	G	27	AtMSQTsnp 323	A
(5837, 2)/Bor-1	AtMSQTsnp 325	C	27	AtMSQTsnp 325	T
(5837, 2)/Bor-1	AtMSQTsnp 355	G	27	AtMSQTsnp 355	T
(5837, 2)/Bor-1	AtMSQTsnp 358	G	27	AtMSQTsnp 358	A
(5837, 2)/Bor-1	AtMSQTsnp 390	C	27	AtMSQTsnp 390	T
(5837, 2)/Bor-1	AtMSQTsnp 398	G	27	AtMSQTsnp 398	C
(5837, 2)/Bor-1	AtMSQTsnp 48	C	27	AtMSQTsnp 48	T
(5837, 2)/Bor-1	AtMSQTsnp 97	C	27	AtMSQTsnp 97	G

3.3 row id1=(6008, 1) (Duk) vs row id2=378

Table 7: row id1=(6008, 1) (Duk) vs row id2=378

--

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	0	0	0	0	0	0	0	0	0	0	0
A	35	0	0	1	0	0	0	0	0	0	0	0	0
C	32	0	0	0	0	0	0	0	0	0	0	0	0
G	39	0	0	0	0	0	0	0	0	0	0	0	0
T	36	0	0	0	0	0	2	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.4 row id1=(6008, 2) (Duk) vs row id2=378

Table 8: row id1=(6008, 2) (Duk) vs row id2=378

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	5	0	0	0	0	0	0	0	0	0	0	0	0
A	30	0	0	0	0	0	0	0	0	0	0	0	0
C	34	0	0	0	0	0	0	0	0	0	0	0	0
G	40	0	0	1	0	0	0	0	0	0	0	0	0
T	36	0	0	0	0	0	2	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	1	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 9: detailed difference for row id1=(6008, 2) (Duk) vs row id2=378

row id1	col id1	call1	row id2	col id2	call2
(6008, 2)/Duk	AtMSQTsnp 278	G	378	AtMSQTsnp 278	A

3.5 row id1=(6009, 1) (Eden-1) vs row id2=9

Table 10: row id1=(6009, 1) (Eden-1) vs row id2=9

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	0	1	1	1	1	0	0	0	0	0	0	
A	1	0	3	37	0	0	0	0	0	0	0	0	0	
C	0	0	1	0	28	0	0	0	0	0	0	0	0	
G	0	0	6	0	0	30	0	0	0	0	0	0	0	
T	1	0	3	0	0	0	35	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.6 row id1=(6016, 1) (Eds-1) vs row id2=374

Table 11: row id1=(6016, 1) (Eds-1) vs row id2=374

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0

NA	5	0	0	0	0	0	0	0	0	0	0	0	0	0
A	46	0	0	0	0	0	0	0	0	0	0	0	0	0
C	27	0	0	0	0	0	0	0	0	0	0	0	0	0
G	31	0	0	0	0	2	0	0	0	0	0	0	0	0
T	37	0	0	0	0	0	1	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.7 row id1=(6016, 2) (Eds-1) vs row id2=374

Table 12: row id1=(6016, 2) (Eds-1) vs row id2=374

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	6	0	0	0	0	0	0	0	0	0	0	0	0
A	46	0	0	0	0	0	0	0	0	0	0	0	0
C	26	0	0	0	0	0	0	0	0	0	0	0	0
G	31	0	0	0	0	2	0	0	0	0	0	0	0
T	37	0	0	0	0	0	1	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.8 row id1=(6024, 1) (Fly2-2) vs row id2=346

Table 13: row id1=(6024, 1) (Fly2-2) vs row id2=346

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	0	0	0	0	0	0	0	0	0	0	0
A	40	0	1	0	0	0	0	0	0	0	0	0	0
C	24	0	0	0	0	0	0	0	0	0	0	0	0
G	41	0	0	0	0	1	0	0	0	0	0	0	0
T	37	0	0	0	0	0	1	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.9 row id1=(6039, 1) (Hovdala-2) vs row id2=368

Table 14: row id1=(6039, 1) (Hovdala-2) vs row id2=368

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	11	0	0	0	0	0	0	0	0	0	0	0	0
A	41	0	0	0	0	0	0	0	0	0	0	0	0
C	31	0	0	0	0	0	0	0	0	0	0	0	0
G	36	0	0	0	0	2	0	0	0	0	0	0	0
T	26	0	0	0	0	0	1	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	1	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.10 row id1=(6039, 2) (Hovdala-2) vs row id2=368

Table 15: row id1=(6039, 2) (Hovdala-2) vs row id2=368

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	0	0	0	0	0	0	0	0	0	0	0
A	44	0	0	0	0	0	0	0	0	0	0	0	0
C	35	0	0	0	0	0	0	0	0	0	0	0	0
G	37	0	0	0	0	2	0	0	0	0	0	0	0
T	27	0	0	0	0	0	1	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.11 row id1=(6040, 1) (Kni-1) vs row id2=362

Table 16: row id1=(6040, 1) (Kni-1) vs row id2=362

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	5	0	0	0	0	0	0	0	0	0	0	0	0
A	42	0	1	0	0	0	0	0	0	0	0	0	0
C	27	0	0	0	0	0	0	0	0	0	0	0	0
G	41	0	0	0	0	1	0	0	0	0	0	0	0
T	29	0	0	0	0	0	1	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	2	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.12 row id1=(6040, 2) (Kni-1) vs row id2=362

Table 17: row id1=(6040, 2) (Kni-1) vs row id2=362

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	0	0	0	0	0	0	0	0	0	0	0
A	43	0	1	0	0	0	0	0	0	0	0	0	0
C	29	0	0	0	0	0	0	0	0	0	0	0	0
G	41	0	0	0	0	1	0	0	0	0	0	0	0
T	28	0	0	0	0	0	1	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	2	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.13 row id1=(6042, 1) (Lom1-1) vs row id2=351

Table 18: row id1=(6042, 1) (Lom1-1) vs row id2=351

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	6	0	0	0	0	0	0	0	0	0	0	0	0
A	35	0	0	0	0	0	0	0	0	0	0	0	0
C	25	0	0	0	0	0	0	0	0	0	0	0	0
G	42	0	0	1	0	0	0	0	0	0	0	0	0
T	38	0	1	0	0	0	1	0	0	0	0	0	0

AC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 19: detailed difference for row id1=(6042, 1) (Lom1-1) vs row id2=351

row id1	col id1	call1	row id2	col id2	call2
(6042, 1)/Lom1-1	AtMSQTsnp 278	G	351	AtMSQTsnp 278	A

3.14 row id1=(6042, 2) (Lom1-1) vs row id2=351

Table 20: row id1=(6042, 2) (Lom1-1) vs row id2=351

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	2	0	0	1	0	0	0	0	0	0	0	0	0	0
A	38	0	0	0	0	0	0	0	0	0	0	0	0	0
C	30	0	0	0	0	0	0	0	0	0	0	0	0	0
G	40	0	1	0	0	0	0	0	0	0	0	0	0	0
T	36	0	0	0	0	0	1	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.15 row id1=(6043, 1) (L) vs row id2=11

Table 21: row id1=(6043, 1) (L) vs row id2=11

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	0	2	0	0	0	0	0	0	0	0
A	1	0	2	35	0	0	0	0	0	0	0	0	0	0
C	0	0	1	0	26	0	0	0	0	0	0	0	0	0
G	1	0	4	1	0	38	0	0	0	0	0	0	0	0
T	2	0	3	0	0	0	33	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 22: detailed difference for row id1=(6043, 1) (L) vs row id2=11

row id1	col id1	call1	row id2	col id2	call2
(6043, 1)/L	AtMSQTsnp 370	G	11	AtMSQTsnp 370	A

3.16 row id1=(6043, 2) (L) vs row id2=11

Table 23: row id1=(6043, 2) (L) vs row id2=11

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	2	0	2	12	5	13	7	0	0	0	0	0	0	0

A	1	0	2	24	0	0	0	0	0	0	0	0	0
C	0	0	1	0	21	0	0	0	0	0	0	0	0
G	1	0	4	0	0	27	0	0	0	0	0	0	0
T	0	0	1	0	0	0	26	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.17 row id1=(6046, 1) (L) vs row id2=12

Table 24: row id1=(6046, 1) (L) vs row id2=12

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	1	1	0	0	0	0	0	0	0
A	0	0	2	36	0	0	0	0	0	0	0	0	0
C	0	0	2	0	24	0	0	0	0	0	0	0	0
G	1	0	2	1	0	41	0	0	0	0	0	0	0
T	0	0	1	0	0	0	37	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 25: detailed difference for row id1=(6046, 1) (L) vs row id2=12

row id1	col id1	call1	row id2	col id2	call2
(6046, 1)/L	AtMSQTsnp 370	G	12	AtMSQTsnp 370	A

3.18 row id1=(6046, 2) (L) vs row id2=12

Table 26: row id1=(6046, 2) (L) vs row id2=12

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	3	1	2	0	0	0	0	0	0	0
A	0	0	2	34	0	0	0	0	0	0	0	0	0
C	0	0	2	0	24	0	0	0	0	0	0	0	0
G	1	0	2	0	0	40	0	0	0	0	0	0	0
T	0	0	1	0	0	0	37	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.19 row id1=(6064, 1) (Nyl-2) vs row id2=375

Table 27: row id1=(6064, 1) (Nyl-2) vs row id2=375

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	2	0	0	0	0	0	0	0	0	0	0	0	0
A	46	0	0	0	0	0	0	0	0	0	0	0	0
C	24	0	0	0	0	0	0	0	0	0	0	0	0
G	39	0	0	0	0	2	0	0	0	0	0	0	0
T	35	0	1	0	0	0	0	0	0	0	0	0	0

AC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.20 row id1=(6064, 2) (Nyl-2) vs row id2=375

Table 28: row id1=(6064, 2) (Nyl-2) vs row id2=375

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	1	0	0	0	0	0	0	0	0	0	0	0	0	
A	46	0	0	0	0	0	0	0	0	0	0	0	0	
C	24	0	0	0	0	0	0	0	0	0	0	0	0	
G	39	0	0	0	0	2	0	0	0	0	0	0	0	
T	36	0	1	0	0	0	0	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.21 row id1=(6074, 1) (-1) vs row id2=364

Table 29: row id1=(6074, 1) (-1) vs row id2=364

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	6	0	0	0	0	0	0	0	0	0	0	0	0	
A	36	0	0	0	0	0	0	0	0	0	0	0	0	
C	36	0	0	0	0	0	0	0	0	0	0	0	0	
G	39	0	0	0	0	1	0	0	0	0	0	0	0	
T	28	0	0	0	0	0	2	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	1	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.22 row id1=(6074, 2) (-1) vs row id2=364

Table 30: row id1=(6074, 2) (-1) vs row id2=364

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	4	0	0	0	0	0	0	0	0	0	0	0	0	
A	35	0	0	0	0	0	0	0	0	0	0	0	0	
C	37	0	0	0	0	0	0	0	0	0	0	0	0	
G	40	0	0	0	0	1	0	0	0	0	0	0	0	
T	28	0	0	0	0	0	2	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	2	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.23 row id1=(6088, 1) (Stu1-1) vs row id2=363

Table 31: row id1=(6088, 1) (Stu1-1) vs row id2=363

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	0	0	0	0	0	0	0	0	0	0	0
A	53	0	0	0	0	0	0	0	0	0	0	0	0
C	22	0	0	0	1	0	0	0	0	0	0	0	0
G	32	0	0	0	0	1	0	0	0	0	0	0	0
T	34	0	0	0	0	1	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 32: detailed difference for row id1=(6088, 1) (Stu1-1) vs row id2=363

row id1	col id1	call1	row id2	col id2	call2
(6088, 1)/Stu1-1	AtMSQTsnp 274	T	363	AtMSQTsnp 274	G

3.24 row id1=(6243, 1) (Tottarp-2) vs row id2=370

Table 33: row id1=(6243, 1) (Tottarp-2) vs row id2=370

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	0	0	0	0	0	0	0	0	0	0	0
A	45	0	0	0	0	0	0	0	0	0	0	0	0
C	31	0	0	0	0	0	0	0	0	0	0	0	0
G	30	0	0	0	0	1	0	0	0	0	0	0	0
T	34	0	0	0	0	0	2	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	1	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.25 row id1=(6243, 2) (Tottarp-2) vs row id2=370

Table 34: row id1=(6243, 2) (Tottarp-2) vs row id2=370

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	7	0	0	0	0	0	0	0	0	0	0	0	0
A	43	0	0	0	0	0	0	0	0	0	0	0	0
C	29	0	0	0	0	0	0	0	0	0	0	0	0
G	32	0	0	0	0	1	0	0	0	0	0	0	0
T	34	0	0	0	0	0	2	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.26 row id1=(6709, 1) (BG-2) vs row id2=299

Table 35: row id1=(6709, 1) (BG-2) vs row id2=299

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	

	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	0	0	0	0	0	0	0	0	0	0	0	0
A	35	0	0	0	0	0	0	0	0	0	0	0	0	0
C	33	0	0	0	0	0	0	0	0	0	0	0	0	0
G	44	0	0	0	0	1	0	0	0	0	0	0	0	0
T	28	0	1	0	0	0	1	0	0	0	0	0	0	0
AC	1	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.27 row id1=(6830, 1) (KZ-13) vs row id2=298

Table 36: row id1=(6830, 1) (KZ-13) vs row id2=298

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	5	0	0	0	0	0	0	0	0	0	0	0	0	
A	36	0	0	0	0	0	0	0	0	0	0	0	0	
C	35	0	0	0	1	0	0	0	0	0	0	0	0	
G	37	0	0	0	0	1	0	0	0	0	0	0	0	
T	32	0	0	0	0	0	1	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	1	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.28 row id1=(6897, 1) (Ag-0) vs row id2=67

Table 37: row id1=(6897, 1) (Ag-0) vs row id2=67

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	2	3	3	4	1	0	0	0	0	0	0	
A	1	0	2	33	0	0	0	0	0	0	0	0	0	
C	0	0	2	0	29	0	0	0	0	0	0	0	0	
G	0	0	1	0	0	36	0	0	0	0	0	0	0	
T	0	0	2	0	0	0	28	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	1	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	1	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 38: detailed difference for row id1=(6897, 1) (Ag-0) vs row id2=67

row id1	col id1	call1	row id2	col id2	call2
(6897, 1)/Ag-0	AtMSQTsnp 267	CT	67	AtMSQTsnp 267	C
(6897, 1)/Ag-0	AtMSQTsnp 315	AT	67	AtMSQTsnp 315	T

3.29 row id1=(6898, 1) (An-1) vs row id2=63

Table 39: row id1=(6898, 1) (An-1) vs row id2=63

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	1	0	2	0	1	0	0	0	0	0	0	

A	1	0	2	47	0	0	0	0	0	0	0	0	0
C	0	0	0	0	31	0	0	0	0	0	0	0	0
G	0	0	0	0	0	28	0	0	0	0	0	0	0
T	0	0	0	0	0	0	36	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.30 row id1=(6899, 1) (Bay-0) vs row id2=70

Table 40: row id1=(6899, 1) (Bay-0) vs row id2=70

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	1	0	1	0	0	0	0	0	0	0
A	0	0	2	45	0	0	0	0	0	0	0	0	0
C	0	0	0	0	34	0	0	0	0	0	0	0	0
G	1	0	1	0	0	33	0	0	0	0	0	0	0
T	0	0	1	0	0	0	30	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.31 row id1=(6900, 1) (Bil-5) vs row id2=15

Table 41: row id1=(6900, 1) (Bil-5) vs row id2=15

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	1	0	2	1	0	0	0	0	0	0
A	0	0	3	37	0	0	0	0	0	0	0	0	0
C	0	0	1	0	25	0	0	0	0	0	0	0	0
G	0	0	2	1	0	40	0	0	0	0	0	0	0
T	1	0	0	0	0	0	35	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 42: detailed difference for row id1=(6900, 1) (Bil-5) vs row id2=15

row id1	col id1	call1	row id2	col id2	call2
(6900, 1)/Bil-5	AtMSQTsnp 370	G	15	AtMSQTsnp 370	A

3.32 row id1=(6901, 1) (Bil-7) vs row id2=16

Table 43: row id1=(6901, 1) (Bil-7) vs row id2=16

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	0	0	2	2	0	0	0	0	0	0
A	0	0	1	40	0	0	0	0	0	0	0	0	0
C	0	0	1	0	25	0	0	0	0	0	0	0	0
G	0	0	1	1	0	40	0	0	0	0	0	0	0
T	0	0	1	0	0	0	34	0	0	0	0	0	0

AC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 44: detailed difference for row id1=(6901, 1) (Bil-7) vs row id2=16

row id1	col id1	call1	row id2	col id2	call2
(6901, 1)/Bil-7	AtMSQTsnp 370	G	16	AtMSQTsnp 370	A

3.33 row id1=(6902, 1) (Bor-1) vs row id2=27

Table 45: row id1=(6902, 1) (Bor-1) vs row id2=27

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	1	0	1	1	0	0	0	0	0	0	0
A	1	0	2	32	0	0	0	0	0	0	0	0	0	0
C	0	0	0	0	31	0	0	0	0	0	0	0	0	0
G	0	0	2	0	0	38	0	0	0	0	0	0	0	0
T	1	0	1	0	0	0	38	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.34 row id1=(6903, 1) (Bor-4) vs row id2=28

Table 46: row id1=(6903, 1) (Bor-4) vs row id2=28

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	2	0	2	2	0	0	0	0	0	0	0
A	0	0	0	39	0	0	0	0	0	0	0	0	0	0
C	0	0	2	0	26	0	0	0	0	0	0	0	0	0
G	0	0	1	0	0	38	0	0	0	0	0	0	0	0
T	1	0	2	0	0	0	34	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.35 row id1=(6904, 1) (Br-0) vs row id2=65

Table 47: row id1=(6904, 1) (Br-0) vs row id2=65

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	2	3	0	0	0	0	0	0	0	0
A	0	0	0	42	0	0	0	0	0	0	0	0	0	0
C	0	0	2	0	33	0	0	0	0	0	0	0	0	0
G	0	0	1	0	0	34	0	0	0	0	0	0	0	0
T	1	0	2	0	0	0	28	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CT	0	0	0	0	1	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 48: detailed difference for row id1=(6904, 1) (Br-0) vs row id2=65

row id1	col id1	call1	row id2	col id2	call2
(6904, 1)/Br-0	AtMSQTsnp 267	CT	65	AtMSQTsnp 267	C

3.36 row id1=(6905, 1) (Bur-0) vs row id2=93

Table 49: row id1=(6905, 1) (Bur-0) vs row id2=93

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	1	0	0	2	2	0	6	0	0	0	0	0	0
A	0	0	0	40	0	0	0	0	0	0	0	0	0
C	1	0	1	0	27	0	0	0	0	0	0	0	0
G	1	0	4	0	0	34	0	0	0	0	0	0	0
T	2	0	0	0	0	0	28	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.37 row id1=(6906, 1) (C24) vs row id2=57

Table 50: row id1=(6906, 1) (C24) vs row id2=57

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	1	1	1	1	0	0	0	0	0	0
A	0	0	1	40	0	0	0	0	0	0	0	0	0
C	0	0	1	0	33	0	0	0	0	0	0	0	0
G	1	0	1	0	0	32	0	0	0	0	0	0	0
T	2	0	1	0	0	0	32	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.38 row id1=(6907, 1) (CIBC-17) vs row id2=40

Table 51: row id1=(6907, 1) (CIBC-17) vs row id2=40

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	1	4	1	0	0	0	0	0	0
A	0	0	0	42	1	3	0	0	0	0	0	0	0
C	0	0	2	0	27	0	1	0	0	0	0	0	0
G	0	0	2	1	0	31	0	0	0	0	0	0	0
T	1	0	0	1	1	1	28	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	1	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 52: detailed difference for row id1=(6907, 1) (CIBC-17) vs
row id2=40

row id1	col id1	call1	row id2	col id2	call2
(6907, 1)/CIBC-17	AtMSQTsnp 114	A	40	AtMSQTsnp 114	G
(6907, 1)/CIBC-17	AtMSQTsnp 159	T	40	AtMSQTsnp 159	C
(6907, 1)/CIBC-17	AtMSQTsnp 223	A	40	AtMSQTsnp 223	G
(6907, 1)/CIBC-17	AtMSQTsnp 244	A	40	AtMSQTsnp 244	G
(6907, 1)/CIBC-17	AtMSQTsnp 267	CT	40	AtMSQTsnp 267	C
(6907, 1)/CIBC-17	AtMSQTsnp 307	T	40	AtMSQTsnp 307	A
(6907, 1)/CIBC-17	AtMSQTsnp 321	A	40	AtMSQTsnp 321	C
(6907, 1)/CIBC-17	AtMSQTsnp 327	T	40	AtMSQTsnp 327	G
(6907, 1)/CIBC-17	AtMSQTsnp 334	C	40	AtMSQTsnp 334	T
(6907, 1)/CIBC-17	AtMSQTsnp 415	G	40	AtMSQTsnp 415	A

3.39 row id1=(6908, 1) (CIBC-5) vs row id2=39

Table 53: row id1=(6908, 1) (CIBC-5) vs row id2=39

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	0	2	4	0	0	0	0	0	0	0
A	0	0	1	34	0	0	1	0	0	0	0	0	0
C	0	0	1	1	30	1	0	0	0	0	0	0	0
G	0	0	0	2	0	39	1	0	0	0	0	0	0
T	0	0	0	0	2	0	29	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 54: detailed difference for row id1=(6908, 1) (CIBC-5) vs
row id2=39

row id1	col id1	call1	row id2	col id2	call2
(6908, 1)/CIBC-5	AtMSQTsnp 223	G	39	AtMSQTsnp 223	A
(6908, 1)/CIBC-5	AtMSQTsnp 244	G	39	AtMSQTsnp 244	A
(6908, 1)/CIBC-5	AtMSQTsnp 304	T	39	AtMSQTsnp 304	C
(6908, 1)/CIBC-5	AtMSQTsnp 306	C	39	AtMSQTsnp 306	G
(6908, 1)/CIBC-5	AtMSQTsnp 307	A	39	AtMSQTsnp 307	T
(6908, 1)/CIBC-5	AtMSQTsnp 321	C	39	AtMSQTsnp 321	A
(6908, 1)/CIBC-5	AtMSQTsnp 327	G	39	AtMSQTsnp 327	T
(6908, 1)/CIBC-5	AtMSQTsnp 334	T	39	AtMSQTsnp 334	C

3.40 row id1=(6909, 1) (Col-0) vs row id2=62

Table 55: row id1=(6909, 1) (Col-0) vs row id2=62

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	2	1	0	2	0	0	0	0	0	0
A	0	0	0	44	0	0	0	0	0	0	0	0	0
C	0	0	0	0	32	0	0	0	0	0	0	0	0
G	0	0	0	0	0	35	0	0	0	0	0	0	0
T	0	0	1	0	0	0	32	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.41 row id1=(6910, 1) (Ct-1) vs row id2=76

Table 56: row id1=(6910, 1) (Ct-1) vs row id2=76

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	0	0	0	1	1	0	0	0	0	0	0	
A	0	0	2	38	0	0	0	0	0	0	0	0	0	
C	0	0	5	0	32	0	2	0	0	0	0	0	0	
G	0	0	1	0	0	40	0	0	0	0	0	0	0	
T	0	0	0	0	0	0	27	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 57: detailed difference for row id1=(6910, 1) (Ct-1) vs row id2=76

row id1	col id1	call1	row id2	col id2	call2
(6910, 1)/Ct-1	AtMSQTsnp 156	C	76	AtMSQTsnp 156	T
(6910, 1)/Ct-1	AtMSQTsnp 292	C	76	AtMSQTsnp 292	T

3.42 row id1=(6911, 1) (Cvi-0) vs row id2=51

Table 58: row id1=(6911, 1) (Cvi-0) vs row id2=51

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	0	3	0	0	0	0	0	0	0
A	0	1	1	34	0	0	0	0	0	0	0	0	0
C	0	0	4	0	35	0	0	0	0	0	0	0	0
G	0	0	2	0	0	40	0	0	0	0	0	0	0
T	0	0	1	0	0	0	28	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.43 row id1=(6912, 1) (Eden-1) vs row id2=9

Table 59: row id1=(6912, 1) (Eden-1) vs row id2=9

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	0	4	4	4	3	0	0	0	0	0	0	
A	1	0	3	34	0	0	0	0	0	0	0	0	0	
C	0	0	1	0	25	0	0	0	0	0	0	0	0	
G	0	0	5	0	0	27	0	0	0	0	0	0	0	
T	1	0	3	0	0	0	33	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	1	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.44 row id1=(6913, 1) (Eden-2) vs row id2=10

Table 60: row id1=(6913, 1) (Eden-2) vs row id2=10

|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	0	0	1	1	1	0	0	0	0	0	0
A	1	0	2	35	0	0	0	0	0	0	0	0	0
C	0	0	3	0	26	0	0	0	0	0	0	0	0
G	0	0	5	0	0	31	0	0	0	0	0	0	0
T	1	0	4	0	0	0	37	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.45 row id1=(6914, 1) (Edi-0) vs row id2=94

Table 61: row id1=(6914, 1) (Edi-0) vs row id2=94

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	1	0	2	0	0	0	0	0	0	0
A	1	0	4	40	0	0	0	0	0	0	0	0	0
C	0	0	1	0	26	0	0	0	0	0	0	0	0
G	0	0	1	0	0	36	0	0	0	0	0	0	0
T	1	0	0	0	0	0	34	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.46 row id1=(6915, 1) (Ei-2) vs row id2=53

Table 62: row id1=(6915, 1) (Ei-2) vs row id2=53

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	1	2	2	1	0	0	0	0	0	0
A	0	0	0	37	0	0	0	0	0	0	0	0	0
C	0	0	3	0	32	0	0	0	0	0	0	0	0
G	1	0	2	0	0	38	0	0	0	0	0	0	0
T	0	0	0	0	1	0	27	0	0	0	0	0	0
AC	0	0	0	1	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 63: detailed difference for row id1=(6915, 1) (Ei-2) vs row id2=53

row id1	col id1	call1	row id2	col id2	call2
(6915, 1)/Ei-2	AtMSQTsnp 138	T	53	AtMSQTsnp 138	C
(6915, 1)/Ei-2	AtMSQTsnp 232	AC	53	AtMSQTsnp 232	A

3.47 row id1=(6916, 1) (Est-1) vs row id2=66

Table 64: row id1=(6916, 1) (Est-1) vs row id2=66

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0

NA	0	0	1	0	1	0	1	0	0	0	0	0	0
A	1	0	2	37	1	0	0	0	0	0	0	0	0
C	0	0	2	0	30	0	0	0	0	0	0	0	0
G	0	0	3	0	0	32	0	0	0	0	0	0	0
T	0	0	2	0	0	0	35	0	0	0	0	0	0
AC	0	0	0	1	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 65: detailed difference for row id1=(6916, 1) (Est-1) vs row id2=66

row id1	col id1	call1	row id2	col id2	call2
(6916, 1)/Est-1	AtMSQTsnp 164	A	66	AtMSQTsnp 164	C
(6916, 1)/Est-1	AtMSQTsnp 232	AC	66	AtMSQTsnp 232	A

3.48 row id1=(6917, 1) (F2) vs row id2=13

Table 66: row id1=(6917, 1) (F2) vs row id2=13

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	2	0	2	2	0	0	0	0	0	0
A	0	0	5	36	0	0	0	0	0	0	0	0	0
C	0	0	2	0	31	0	0	0	0	0	0	0	0
G	0	0	1	0	0	32	0	0	0	0	0	0	0
T	0	0	0	0	0	0	35	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	1	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 67: detailed difference for row id1=(6917, 1) (F2) vs row id2=13

row id1	col id1	call1	row id2	col id2	call2
(6917, 1)/F2	AtMSQTsnp 138	CT	13	AtMSQTsnp 138	C

3.49 row id1=(6918, 1) (F4) vs row id2=14

Table 68: row id1=(6918, 1) (F4) vs row id2=14

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	0	2	2	0	0	0	1	0	0
A	0	0	2	44	0	0	0	0	0	1	0	0	0
C	0	0	1	0	29	0	0	0	0	0	0	0	0
G	0	0	1	0	0	34	0	0	0	0	0	0	0
T	0	0	1	0	0	0	31	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 69: detailed difference for row id1=(6918, 1) (F4) vs row id2=14

row id1	col id1	call1	row id2	col id2	call2
(6918, 1)/F4	AtMSQTsnp 282	A	14	AtMSQTsnp 282	AT

3.50 row id1=(6919, 1) (Ga-0) vs row id2=71

Table 70: row id1=(6919, 1) (Ga-0) vs row id2=71

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	1	0	0	1	0	0	0	0	0	0
A	0	0	1	39	0	0	0	0	0	0	0	0	0
C	0	0	4	0	25	0	0	0	0	0	0	0	0
G	0	0	3	0	0	34	0	0	0	0	0	0	0
T	2	1	2	0	0	0	36	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.51 row id1=(6920, 1) (GOT-22) vs row id2=46

Table 71: row id1=(6920, 1) (GOT-22) vs row id2=46

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	2	1	1	3	0	0	0	0	0	0
A	0	0	2	42	0	0	0	0	0	0	0	0	0
C	0	0	1	0	24	0	0	0	0	0	0	0	0
G	0	0	1	0	0	36	0	0	0	0	1	0	0
T	0	0	0	0	0	0	34	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	1	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 72: detailed difference for row id1=(6920, 1) (GOT-22) vs row id2=46

row id1	col id1	call1	row id2	col id2	call2
(6920, 1)/GOT-22	AtMSQTsnp 267	CT	46	AtMSQTsnp 267	C
(6920, 1)/GOT-22	AtMSQTsnp 306	G	46	AtMSQTsnp 306	CG

3.52 row id1=(6921, 1) (GOT-7) vs row id2=45

Table 73: row id1=(6921, 1) (GOT-7) vs row id2=45

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	1	0	1	1	0	0	0	0	0	0
A	0	0	0	45	0	0	0	0	0	0	0	0	0
C	0	0	0	0	26	0	0	0	0	0	0	0	0
G	1	0	1	0	0	36	0	0	0	0	0	0	0
T	0	0	1	0	0	0	35	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	1	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 74: detailed difference for row id1=(6921, 1) (GOT-7) vs row id2=45

row id1	col id1	call1	row id2	col id2	call2
(6921, 1)/GOT-7	AtMSQTsnp 267	CT	45	AtMSQTsnp 267	C

3.53 row id1=(6922, 1) (Gu-0) vs row id2=54

Table 75: row id1=(6922, 1) (Gu-0) vs row id2=54

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	8	10	16	8	0	0	0	0	0	0
A	0	0	1	26	0	0	0	0	0	0	0	0	0
C	0	0	1	0	29	0	0	0	0	0	0	0	0
G	0	0	1	0	0	27	0	0	0	0	0	0	0
T	0	0	0	0	0	0	22	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.54 row id1=(6923, 1) (HR-10) vs row id2=34

Table 76: row id1=(6923, 1) (HR-10) vs row id2=34

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	0	1	2	0	0	0	0	0	0	0
A	0	0	1	37	0	0	0	0	0	0	0	0	0
C	1	0	2	0	32	0	0	0	0	0	0	0	0
G	0	0	1	0	0	40	0	0	0	0	0	0	0
T	1	0	0	0	0	0	29	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	1	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 77: detailed difference for row id1=(6923, 1) (HR-10) vs row id2=34

row id1	col id1	call1	row id2	col id2	call2
(6923, 1)/HR-10	AtMSQTsnp 138	CT	34	AtMSQTsnp 138	C

3.55 row id1=(6924, 1) (HR-5) vs row id2=33

Table 78: row id1=(6924, 1) (HR-5) vs row id2=33

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	1	3	2	1	0	0	0	0	0	0
A	0	0	0	40	0	0	0	0	1	0	0	0	0
C	0	0	2	0	37	0	0	0	0	0	0	0	0
G	0	0	0	0	0	30	0	0	0	0	0	0	0
T	0	0	1	0	0	0	29	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0

CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	1	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 79: detailed difference for row id1=(6924, 1) (HR-5) vs row id2=33

row id1	col id1	call1	row id2	col id2	call2
(6924, 1)/HR-5	AtMSQTsnp 114	A	33	AtMSQTsnp 114	AG
(6924, 1)/HR-5	AtMSQTsnp 304	CT	33	AtMSQTsnp 304	T

3.56 row id1=(6925, 1) (Kas-2) vs row id2=75

Table 80: row id1=(6925, 1) (Kas-2) vs row id2=75

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	2	5	2	0	0	0	0	0	0
A	0	0	3	35	0	0	0	0	0	0	0	0	0
C	0	0	1	0	35	0	0	0	0	0	0	0	0
G	0	0	1	0	0	34	0	0	0	0	0	0	0
T	0	0	2	0	0	0	29	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.57 row id1=(6926, 1) (Kin-0) vs row id2=91

Table 81: row id1=(6926, 1) (Kin-0) vs row id2=91

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	1	0	1	0	2	3	0	0	0	0	0	0	0
A	0	0	3	36	0	0	0	0	0	0	0	0	0
C	1	0	5	0	26	0	0	0	0	0	0	0	0
G	1	0	2	0	0	37	0	0	0	0	0	0	0
T	0	0	2	0	0	0	29	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.58 row id1=(6927, 1) (KNO-10) vs row id2=3

Table 82: row id1=(6927, 1) (KNO-10) vs row id2=3

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	1	1	0	2	0	0	0	0	0	0
A	1	0	2	41	0	0	0	0	0	0	0	0	0
C	3	0	0	0	21	1	0	0	0	0	0	0	0
G	1	0	3	0	0	35	0	0	0	0	0	0	0
T	2	0	5	0	0	0	29	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 83: detailed difference for row id1=(6927, 1) (KNO-10) vs row id2=3

row id1	col id1	call1	row id2	col id2	call2
(6927, 1)/KNO-10	AtMSQTsnp 378	C	3	AtMSQTsnp 378	G

3.59 row id1=(6928, 1) (KNO-18) vs row id2=4

Table 84: row id1=(6928, 1) (KNO-18) vs row id2=4

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	0	2	2	0	2	0	0	0	0	0	0	
A	0	0	4	36	0	0	0	0	0	0	0	0	0	
C	1	0	1	0	24	0	0	0	0	0	0	0	0	
G	3	0	2	0	0	37	0	0	0	0	0	0	0	
T	1	0	2	0	0	0	32	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.60 row id1=(6929, 1) (Kondara) vs row id2=88

Table 85: row id1=(6929, 1) (Kondara) vs row id2=88

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	1	0	0	2	1	2	0	0	0	0	0	0	
A	1	0	3	41	0	0	0	0	0	0	0	0	0	
C	0	0	0	0	33	0	0	0	0	0	0	0	0	
G	0	0	2	1	0	29	0	0	0	0	0	0	0	
T	1	0	1	0	0	0	31	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 86: detailed difference for row id1=(6929, 1) (Kondara) vs row id2=88

row id1	col id1	call1	row id2	col id2	call2
(6929, 1)/Kondara	AtMSQTsnp 114	G	88	AtMSQTsnp 114	A

3.61 row id1=(6930, 1) (KZ-1) vs row id2=43

Table 87: row id1=(6930, 1) (KZ-1) vs row id2=43

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	0	0	3	2	1	0	0	0	0	0	0	
A	0	0	4	39	0	0	0	0	0	0	0	0	0	
C	0	0	4	0	28	0	1	0	0	0	0	0	0	
G	0	0	2	0	0	32	0	0	0	0	0	0	0	
T	0	0	1	0	0	0	32	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	

CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 88: detailed difference for row id1=(6930, 1) (KZ-1) vs row id2=43

row id1	col id1	call1	row id2	col id2	call2
(6930, 1)/KZ-1	AtMSQTsnp 15	C	43	AtMSQTsnp 15	T

3.62 row id1=(6931, 1) (KZ-9) vs row id2=44

Table 89: row id1=(6931, 1) (KZ-9) vs row id2=44

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	0	2	3	0	0	0	0	0	0	0	0
A	1	0	2	33	0	0	0	0	0	0	0	0	0
C	1	0	0	0	34	0	0	0	0	0	0	0	0
G	0	0	1	0	0	37	0	0	0	0	0	0	0
T	0	0	2	0	0	0	31	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.63 row id1=(6932, 1) (Ler-1) vs row id2=55

Table 90: row id1=(6932, 1) (Ler-1) vs row id2=55

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	1	1	3	0	0	0	0	0	0	0
A	0	0	0	42	0	0	0	0	0	0	0	0	0
C	0	0	2	0	25	0	1	0	0	0	0	0	0
G	0	0	1	0	0	39	0	0	0	0	0	0	0
T	0	0	1	0	0	0	33	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 91: detailed difference for row id1=(6932, 1) (Ler-1) vs row id2=55

row id1	col id1	call1	row id2	col id2	call2
(6932, 1)/Ler-1	AtMSQTsnp 159	C	55	AtMSQTsnp 159	T

3.64 row id1=(6933, 1) (LL-0) vs row id2=87

Table 92: row id1=(6933, 1) (LL-0) vs row id2=87

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	0	4	1	0	0	0	0	0	0
A	0	0	1	34	0	0	0	0	0	0	0	0	0
C	0	0	2	0	33	0	0	0	0	0	0	0	0
G	0	0	2	0	0	36	0	0	0	0	0	0	0

T	0	0	2	0	0	0	33	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.65 row id1=(6934, 1) (L) vs row id2=11

Table 93: row id1=(6934, 1) (L) vs row id2=11

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	1	0	1	6	3	3	3	0	0	0	0	0	0
A	1	0	2	30	0	0	0	0	0	0	0	0	0
C	0	0	1	0	23	0	0	0	0	0	0	0	0
G	1	0	4	0	0	37	0	0	0	0	0	0	0
T	1	0	2	0	0	0	30	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.66 row id1=(6935, 1) (L) vs row id2=12

Table 94: row id1=(6935, 1) (L) vs row id2=12

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	2	2	2	1	0	0	0	0	0	0
A	0	0	2	34	0	0	0	0	0	0	0	0	0
C	0	0	2	0	23	0	0	0	0	0	0	0	0
G	1	0	2	1	0	40	0	0	0	0	0	0	0
T	0	0	1	0	0	0	36	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 95: detailed difference for row id1=(6935, 1) (L) vs row id2=12

row id1	col id1	call1	row id2	col id2	call2
(6935, 1)/L	AtMSQTsnp 370	G	12	AtMSQTsnp 370	A

3.67 row id1=(6936, 1) (Lz-0) vs row id2=52

Table 96: row id1=(6936, 1) (Lz-0) vs row id2=52

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	2	2	3	0	0	0	0	0	0	0
A	0	0	0	47	0	0	0	0	0	0	0	0	0
C	1	0	4	0	31	0	1	0	0	0	0	0	0
G	1	0	1	0	0	28	0	0	0	0	0	0	0
T	0	0	1	0	0	0	26	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0

CG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 97: detailed difference for row id1=(6936, 1) (Lz-0) vs row id2=52

row id1	col id1	call1	row id2	col id2	call2
(6936, 1)/Lz-0	AtMSQTsnp 159	C	52	AtMSQTsnp 159	T

3.68 row id1=(6937, 1) (Mrk-0) vs row id2=72

Table 98: row id1=(6937, 1) (Mrk-0) vs row id2=72

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	0	1	2	1	1	0	0	0	0	0	0	
A	0	0	2	40	0	0	0	0	0	0	0	0	0	
C	0	0	4	0	23	0	0	0	0	0	0	0	0	
G	0	0	1	0	0	37	0	0	0	0	0	0	0	
T	1	1	0	0	1	0	33	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	1	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 99: detailed difference for row id1=(6937, 1) (Mrk-0) vs row id2=72

row id1	col id1	call1	row id2	col id2	call2
(6937, 1)/Mrk-0	AtMSQTsnp 138	CT	72	AtMSQTsnp 138	C
(6937, 1)/Mrk-0	AtMSQTsnp 325	T	72	AtMSQTsnp 325	C

3.69 row id1=(6938, 1) (Ms-0) vs row id2=92

Table 100: row id1=(6938, 1) (Ms-0) vs row id2=92

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	0	1	0	1	1	0	0	0	0	0	0	
A	2	0	2	31	0	0	0	0	2	0	0	0	0	
C	4	0	0	0	32	1	0	0	0	0	0	0	0	
G	2	0	3	2	0	30	0	0	1	0	0	0	0	
T	2	0	1	0	0	1	30	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 101: detailed difference for row id1=(6938, 1) (Ms-0) vs row id2=92

row id1	col id1	call1	row id2	col id2	call2
(6938, 1)/Ms-0	AtMSQTsnp 173	G	92	AtMSQTsnp 173	A
(6938, 1)/Ms-0	AtMSQTsnp 177	A	92	AtMSQTsnp 177	AG
(6938, 1)/Ms-0	AtMSQTsnp 220	G	92	AtMSQTsnp 220	A
(6938, 1)/Ms-0	AtMSQTsnp 222	T	92	AtMSQTsnp 222	G
(6938, 1)/Ms-0	AtMSQTsnp 249	A	92	AtMSQTsnp 249	AG
(6938, 1)/Ms-0	AtMSQTsnp 323	G	92	AtMSQTsnp 323	AG
(6938, 1)/Ms-0	AtMSQTsnp 331	C	92	AtMSQTsnp 331	G

3.70 row id1=(6939, 1) (Mt-0) vs row id2=79

Table 102: row id1=(6939, 1) (Mt-0) vs row id2=79

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	1	0	11	41	31	36	27	0	0	0	0	0	0
A	0	0	0	1	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	1	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 103: detailed difference for row id1=(6939, 1) (Mt-0) vs row id2=79

row id1	col id1	call1	row id2	col id2	call2
(6939, 1)/Mt-0	AtMSQTsnp 97	C	79	AtMSQTsnp 97	G

3.71 row id1=(6940, 1) (Mz-0) vs row id2=73

Table 104: row id1=(6940, 1) (Mz-0) vs row id2=73

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	1	2	3	1	0	0	0	0	0	0
A	0	0	1	38	0	0	0	0	0	0	0	0	0
C	0	0	1	0	30	0	0	0	0	0	0	0	0
G	0	0	2	0	0	40	0	0	0	0	0	0	0
T	0	0	1	0	0	0	27	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	1	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.72 row id1=(6942, 1) (Nd-1) vs row id2=56

Table 105: row id1=(6942, 1) (Nd-1) vs row id2=56

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	0	0	1	0	0	0	0	0	0	0
A	0	0	0	47	0	0	0	0	0	0	0	0	0
C	1	0	1	0	34	0	0	0	0	0	0	0	0
G	0	0	1	0	0	32	0	0	0	0	0	0	0
T	1	0	1	0	1	0	27	0	0	0	0	0	0
AC	0	0	0	1	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 106: detailed difference for row id1=(6942, 1) (Nd-1) vs row id2=56

row id1	col id1	call1	row id2	col id2	call2
(6942, 1)/Nd-1	AtMSQTsnp 138	T	56	AtMSQTsnp 138	C
(6942, 1)/Nd-1	AtMSQTsnp 232	AC	56	AtMSQTsnp 232	A

3.73 row id1=(6943, 1) (NFA-10) vs row id2=36

Table 107: row id1=(6943, 1) (NFA-10) vs row id2=36

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	1	1	2	1	0	0	0	0	0	0
A	0	0	1	34	0	0	0	0	0	0	0	0	0
C	0	0	3	0	29	0	0	0	0	0	0	0	0
G	0	0	1	0	0	37	0	0	0	0	0	0	0
T	0	0	0	0	1	0	37	0	0	0	0	0	0
AC	0	0	0	1	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 108: detailed difference for row id1=(6943, 1) (NFA-10) vs row id2=36

row id1	col id1	call1	row id2	col id2	call2
(6943, 1)/NFA-10	AtMSQTsnp 159	T	36	AtMSQTsnp 159	C
(6943, 1)/NFA-10	AtMSQTsnp 232	AC	36	AtMSQTsnp 232	A

3.74 row id1=(6944, 1) (NFA-8) vs row id2=35

Table 109: row id1=(6944, 1) (NFA-8) vs row id2=35

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	1	0	2	0	0	0	0	0	0
A	1	0	1	35	0	0	0	0	0	0	0	0	0
C	0	0	1	0	35	0	0	0	0	0	0	0	0
G	0	0	0	0	0	39	0	0	0	0	0	0	0
T	0	0	2	0	0	0	32	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.75 row id1=(6945, 1) (Nok-3) vs row id2=80

Table 110: row id1=(6945, 1) (Nok-3) vs row id2=80

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	1	1	3	1	0	0	0	0	0	0
A	0	0	1	43	0	0	0	0	0	0	0	0	0
C	0	0	1	0	25	0	0	0	0	0	0	0	0
G	1	0	1	0	0	36	0	0	0	0	0	0	0
T	2	0	2	0	1	0	30	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0

CG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 111: detailed difference for row id1=(6945, 1) (Nok-3) vs row id2=80

row id1	col id1	call1	row id2	col id2	call2
(6945, 1)/Nok-3	AtMSQTsnp 334	T	80	AtMSQTsnp 334	C

3.76 row id1=(6946, 1) (Oy-0) vs row id2=95

Table 112: row id1=(6946, 1) (Oy-0) vs row id2=95

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	0	1	1	0	3	0	0	0	0	0	0	
A	2	0	1	37	0	0	0	0	0	0	0	0	0	
C	0	0	0	0	39	0	0	0	0	0	0	0	0	
G	1	0	5	0	0	34	0	0	0	0	0	0	0	
T	0	0	1	0	0	0	23	0	0	0	0	0	0	
AC	0	0	0	1	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 113: detailed difference for row id1=(6946, 1) (Oy-0) vs row id2=95

row id1	col id1	call1	row id2	col id2	call2
(6946, 1)/Oy-0	AtMSQTsnp 232	AC	95	AtMSQTsnp 232	A

3.77 row id1=(6951, 1) (Pu2-23) vs row id2=30

Table 114: row id1=(6951, 1) (Pu2-23) vs row id2=30

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	0	0	1	0	3	0	0	0	0	0	0	
A	1	0	1	35	0	0	0	0	0	0	0	0	0	
C	0	0	1	0	32	0	0	0	0	0	0	0	0	
G	0	0	0	0	0	36	0	0	0	0	0	0	0	
T	1	0	0	0	0	0	37	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	1	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.78 row id1=(6956, 1) (Pu2-7) vs row id2=29

Table 115: row id1=(6956, 1) (Pu2-7) vs row id2=29

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	1	4	5	1	1	0	0	0	0	0	0	
A	0	1	0	33	0	0	0	0	0	0	0	0	0	
C	0	0	2	0	20	0	0	0	0	0	0	0	0	
G	0	0	0	0	0	40	0	0	0	0	0	0	0	

T	0	0	0	0	0	0	41	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.79 row id1=(6957, 1) (Pu2-8) vs row id2=296

Table 116: row id1=(6957, 1) (Pu2-8) vs row id2=296

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	5	0	0	0	0	0	0	0	0	0	0	0	0
A	37	0	0	0	0	0	0	0	0	0	0	0	0
C	30	0	0	0	0	0	0	0	0	0	0	0	0
G	36	0	0	0	0	1	0	0	0	0	0	0	0
T	38	0	0	0	0	0	2	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.80 row id1=(6958, 1) (Ra-0) vs row id2=69

Table 117: row id1=(6958, 1) (Ra-0) vs row id2=69

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	5	17	19	23	13	0	0	0	0	0	0
A	2	0	0	21	1	0	0	0	0	0	0	0	0
C	0	0	1	1	18	0	0	0	0	0	0	0	0
G	0	0	1	0	0	20	0	0	0	0	0	0	0
T	0	0	0	0	0	0	7	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 118: detailed difference for row id1=(6958, 1) (Ra-0) vs row id2=69

row id1	col id1		call1	row id2	col id2		call2
(6958, 1)/Ra-0	AtMSQTsnp 164		A	69	AtMSQTsnp 164		C
(6958, 1)/Ra-0	AtMSQTsnp 321		C	69	AtMSQTsnp 321		A

3.81 row id1=(6959, 1) (REN-1) vs row id2=47

Table 119: row id1=(6959, 1) (REN-1) vs row id2=47

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	2	2	2	1	0	0	0	0	0	0
A	0	0	1	30	0	0	0	0	0	0	0	0	0
C	0	0	3	1	37	0	0	0	0	0	0	0	0
G	3	0	1	1	0	33	0	0	0	0	0	0	0
T	0	0	1	0	0	0	29	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0

AT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	1	0	1	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 120: detailed difference for row id1=(6959, 1) (REN-1) vs row id2=47

row id1	col id1	call1	row id2	col id2	call2
(6959, 1)/REN-1	AtMSQTsnp 267	CT	47	AtMSQTsnp 267	C
(6959, 1)/REN-1	AtMSQTsnp 281	CT	47	AtMSQTsnp 281	T
(6959, 1)/REN-1	AtMSQTsnp 388	C	47	AtMSQTsnp 388	A
(6959, 1)/REN-1	AtMSQTsnp 392	G	47	AtMSQTsnp 392	A

3.82 row id1=(6960, 1) (REN-11) vs row id2=48

Table 121: row id1=(6960, 1) (REN-11) vs row id2=48

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	1	1	0	1	0	0	0	0	0	0
A	0	0	1	37	0	0	0	0	0	0	0	0	0
C	0	0	1	0	33	0	0	0	0	0	0	1	0
G	1	0	2	0	0	34	0	0	0	0	0	0	1
T	0	0	1	0	0	0	32	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	1	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 122: detailed difference for row id1=(6960, 1) (REN-11) vs row id2=48

row id1	col id1	call1	row id2	col id2	call2
(6960, 1)/REN-11	AtMSQTsnp 266	G	48	AtMSQTsnp 266	GT
(6960, 1)/REN-11	AtMSQTsnp 267	CT	48	AtMSQTsnp 267	C
(6960, 1)/REN-11	AtMSQTsnp 285	C	48	AtMSQTsnp 285	CT

3.83 row id1=(6961, 1) (Se-0) vs row id2=83

Table 123: row id1=(6961, 1) (Se-0) vs row id2=83

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	1	0	2	1	0	0	0	0	0	0
A	0	0	0	40	0	0	0	0	0	0	0	0	0
C	0	0	3	0	20	0	0	0	0	0	0	0	0
G	0	0	1	0	0	42	0	0	0	0	0	0	0
T	0	0	3	0	0	0	34	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	1	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 124: detailed difference for row id1=(6961, 1) (Se-0) vs row id2=83

row id1	col id1	call1	row id2	col id2	call2
(6961, 1)/Se-0	AtMSQTsnp 267	CT	83	AtMSQTsnp 267	C

3.84 row id1=(6963, 1) (Sorbo) vs row id2=90

Table 125: row id1=(6963, 1) (Sorbo) vs row id2=90

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	2	0	1	1	2	0	0	0	0	0	0
A	0	0	6	39	0	0	0	0	0	0	0	0	0
C	2	0	1	0	35	0	0	0	0	0	0	0	0
G	0	0	2	0	0	30	0	0	0	0	0	0	0
T	1	0	3	0	0	0	23	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.85 row id1=(6964, 1) (Spr1-2) vs row id2=19

Table 126: row id1=(6964, 1) (Spr1-2) vs row id2=19

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	1	0	2	2	0	0	0	0	0	0	0
A	0	0	1	35	0	0	0	0	0	0	0	0	0
C	1	0	1	0	31	0	0	0	0	0	0	0	0
G	0	0	2	0	0	39	0	0	0	0	0	0	0
T	0	0	0	0	0	0	33	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.86 row id1=(6965, 1) (Spr1-6) vs row id2=20

Table 127: row id1=(6965, 1) (Spr1-6) vs row id2=20

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	3	2	1	0	0	0	0	0	0
A	1	0	3	34	0	0	0	0	0	0	0	0	0
C	0	0	2	0	31	0	0	0	0	0	0	0	0
G	0	0	0	0	0	42	0	0	0	0	0	0	0
T	0	1	1	0	0	0	28	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.87 row id1=(6966, 1) (Sq-1) vs row id2=37

Table 128: row id1=(6966, 1) (Sq-1) vs row id2=37

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	2	5	0	0	0	0	0	0	0
A	1	0	0	40	0	0	0	0	0	0	0	0	0

C	0	0	1	0	33	0	0	0	0	0	0	0	0
G	0	0	0	0	0	35	0	0	0	0	0	0	0
T	0	0	0	0	0	0	32	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.88 row id1=(6967, 1) (Sq-8) vs row id2=38

Table 129: row id1=(6967, 1) (Sq-8) vs row id2=38

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	1	0	0	3	3	2	3	0	0	0	0	0	0
A	1	0	1	40	0	0	0	0	0	0	0	0	0
C	0	0	0	0	34	0	0	0	0	0	0	0	0
G	2	0	1	0	0	27	0	0	0	0	0	0	0
T	0	0	0	0	0	0	31	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.89 row id1=(6968, 1) (Tamm-2) vs row id2=41

Table 130: row id1=(6968, 1) (Tamm-2) vs row id2=41

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	12	8	16	8	0	0	0	0	0	0
A	0	0	2	26	0	0	0	0	0	0	0	0	0
C	0	0	1	0	19	0	0	0	0	0	0	0	0
G	0	0	1	0	0	27	0	0	0	0	0	0	0
T	1	0	0	0	0	0	28	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.90 row id1=(6969, 1) (Tamm-27) vs row id2=42

Table 131: row id1=(6969, 1) (Tamm-27) vs row id2=42

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	3	1	3	1	0	0	0	0	0	0
A	0	0	3	34	0	0	0	0	0	0	0	0	0
C	0	0	1	0	26	0	0	0	0	0	0	0	0
G	1	0	2	0	0	38	0	0	0	0	0	0	0
T	1	0	3	0	0	0	32	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.91 row id1=(6970, 1) (Ts-1) vs row id2=84

Table 132: row id1=(6970, 1) (Ts-1) vs row id2=84

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	2	0	1	3	3	0	0	0	0	0	0	
A	0	0	1	35	0	0	0	0	0	0	0	0	0	
C	0	0	5	0	21	0	0	0	0	0	0	0	0	
G	0	0	1	0	0	38	0	0	0	0	0	0	0	
T	0	0	1	0	0	0	37	0	0	0	0	0	0	
AC	0	0	0	1	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 133: detailed difference for row id1=(6970, 1) (Ts-1) vs row id2=84

row id1	col id1	call1	row id2	col id2	call2
(6970, 1)/Ts-1	AtMSQTsnp 232	AC	84	AtMSQTsnp 232	A

3.92 row id1=(6971, 1) (Ts-5) vs row id2=85

Table 134: row id1=(6971, 1) (Ts-5) vs row id2=85

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	0	0	1	2	1	0	0	0	0	0	0	
A	0	0	0	40	0	0	0	0	0	0	0	0	0	
C	0	0	3	0	25	0	0	0	0	0	0	0	0	
G	0	0	1	1	0	39	0	0	0	0	0	0	0	
T	0	0	1	0	0	0	34	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	1	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 135: detailed difference for row id1=(6971, 1) (Ts-5) vs row id2=85

row id1	col id1	call1	row id2	col id2	call2
(6971, 1)/Ts-5	AtMSQTsnp 267	CT	85	AtMSQTsnp 267	C
(6971, 1)/Ts-5	AtMSQTsnp 370	G	85	AtMSQTsnp 370	A

3.93 row id1=(6972, 1) (Tsu-1) vs row id2=78

Table 136: row id1=(6972, 1) (Tsu-1) vs row id2=78

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	0	1	0	0	1	0	0	0	0	0	0	
A	0	0	3	33	0	0	0	0	0	0	0	0	0	
C	0	0	0	0	38	0	1	0	0	0	0	0	0	
G	0	0	0	0	0	41	0	0	0	0	0	0	0	
T	0	0	0	0	0	0	30	0	0	0	0	0	0	
AC	0	0	0	1	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	

CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 137: detailed difference for row id1=(6972, 1) (Tsu-1) vs row id2=78

row id1	col id1	call1	row id2	col id2	call2
(6972, 1)/Tsu-1	AtMSQTsnp 232	AC	78	AtMSQTsnp 232	A
(6972, 1)/Tsu-1	AtMSQTsnp 334	C	78	AtMSQTsnp 334	T

3.94 row id1=(6973, 1) (Ull2-3) vs row id2=24

Table 138: row id1=(6973, 1) (Ull2-3) vs row id2=24

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	2	1	2	1	0	0	0	0	0	0
A	1	0	4	38	0	0	0	0	0	0	0	0	0
C	0	0	2	0	29	0	0	0	0	0	0	0	0
G	0	0	1	0	0	37	0	0	0	0	0	0	0
T	0	0	0	0	0	0	31	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.95 row id1=(6974, 1) (Ull2-5) vs row id2=23

Table 139: row id1=(6974, 1) (Ull2-5) vs row id2=23

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	0	3	2	0	0	0	0	0	0
A	2	0	1	38	0	0	0	0	0	0	0	0	0
C	0	0	1	0	25	0	0	0	0	0	0	0	0
G	0	0	3	0	0	35	0	0	0	0	0	0	0
T	1	0	5	0	0	0	33	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.96 row id1=(6975, 1) (Uod-1) vs row id2=49

Table 140: row id1=(6975, 1) (Uod-1) vs row id2=49

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	0	1	0	0	0	0	0	0	0
A	0	0	0	37	0	0	0	0	0	0	0	0	0
C	0	0	1	0	39	0	0	0	0	0	0	0	0
G	0	0	0	0	0	41	0	0	0	0	0	0	0
T	2	1	1	0	0	0	26	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.97 row id1=(6976, 1) (Uod-7) vs row id2=50

Table 141: row id1=(6976, 1) (Uod-7) vs row id2=50

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	1	0	3	13	5	9	13	0	0	0	0	0	0
A	0	0	2	23	0	0	0	0	0	0	0	0	0
C	0	0	2	0	24	0	0	0	0	0	0	0	0
G	0	0	1	0	0	32	0	0	0	0	0	0	0
T	0	0	0	0	0	0	20	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	1	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 142: detailed difference for row id1=(6976, 1) (Uod-7) vs row id2=50

row id1	col id1	call1	row id2	col id2	call2
(6976, 1)/Uod-7	AtMSQTsnp 267	CT	50	AtMSQTsnp 267	C

3.98 row id1=(6977, 1) (Van-0) vs row id2=64

Table 143: row id1=(6977, 1) (Van-0) vs row id2=64

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	2	5	9	9	6	0	2	0	1	3	0
A	0	0	2	23	0	2	0	2	5	2	0	0	0
C	0	0	1	0	12	0	0	0	0	0	2	3	0
G	0	0	2	0	0	22	0	0	3	0	0	0	1
T	0	0	2	0	1	0	21	0	0	1	0	3	2
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 144: detailed difference for row id1=(6977, 1) (Van-0) vs row id2=64

row id1	col id1	call1	row id2	col id2	call2
(6977, 1)/Van-0	AtMSQTsnp 101	A	64	AtMSQTsnp 101	AG
(6977, 1)/Van-0	AtMSQTsnp 108	G	64	AtMSQTsnp 108	AG
(6977, 1)/Van-0	AtMSQTsnp 11	T	64	AtMSQTsnp 11	CT
(6977, 1)/Van-0	AtMSQTsnp 12	A	64	AtMSQTsnp 12	G
(6977, 1)/Van-0	AtMSQTsnp 188	C	64	AtMSQTsnp 188	CT
(6977, 1)/Van-0	AtMSQTsnp 194	T	64	AtMSQTsnp 194	AT
(6977, 1)/Van-0	AtMSQTsnp 197	A	64	AtMSQTsnp 197	AG
(6977, 1)/Van-0	AtMSQTsnp 203	A	64	AtMSQTsnp 203	AT
(6977, 1)/Van-0	AtMSQTsnp 214	A	64	AtMSQTsnp 214	AG
(6977, 1)/Van-0	AtMSQTsnp 220	A	64	AtMSQTsnp 220	G
(6977, 1)/Van-0	AtMSQTsnp 242	C	64	AtMSQTsnp 242	CT
(6977, 1)/Van-0	AtMSQTsnp 260	A	64	AtMSQTsnp 260	AC
(6977, 1)/Van-0	AtMSQTsnp 266	T	64	AtMSQTsnp 266	GT
(6977, 1)/Van-0	AtMSQTsnp 281	T	64	AtMSQTsnp 281	C
(6977, 1)/Van-0	AtMSQTsnp 285	T	64	AtMSQTsnp 285	CT
(6977, 1)/Van-0	AtMSQTsnp 29	A	64	AtMSQTsnp 29	AT
(6977, 1)/Van-0	AtMSQTsnp 323	A	64	AtMSQTsnp 323	AG
(6977, 1)/Van-0	AtMSQTsnp 359	G	64	AtMSQTsnp 359	GT
(6977, 1)/Van-0	AtMSQTsnp 378	C	64	AtMSQTsnp 378	CG
(6977, 1)/Van-0	AtMSQTsnp 390	T	64	AtMSQTsnp 390	CT
(6977, 1)/Van-0	AtMSQTsnp 395	A	64	AtMSQTsnp 395	AG

(6977, 1)/Van-0	AtMSQTsnp 397	T	64	AtMSQTsnp 397	GT
(6977, 1)/Van-0	AtMSQTsnp 410	G	64	AtMSQTsnp 410	AG
(6977, 1)/Van-0	AtMSQTsnp 63	A	64	AtMSQTsnp 63	AC
(6977, 1)/Van-0	AtMSQTsnp 8	G	64	AtMSQTsnp 8	AG
(6977, 1)/Van-0	AtMSQTsnp 90	C	64	AtMSQTsnp 90	CT
(6977, 1)/Van-0	AtMSQTsnp 97	C	64	AtMSQTsnp 97	CG

3.99 row id1=(6978, 1) (Wa-1) vs row id2=81

Table 145: row id1=(6978, 1) (Wa-1) vs row id2=81

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	1	0	3	5	7	11	12	0	0	0	0	0	0
A	0	0	2	23	0	0	0	0	0	0	0	0	0
C	1	0	1	0	21	0	0	0	0	0	0	0	0
G	0	0	0	0	0	30	0	0	0	0	0	0	0
T	0	0	3	0	0	0	29	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.100 row id1=(6979, 1) (Wei-0) vs row id2=59

Table 146: row id1=(6979, 1) (Wei-0) vs row id2=59

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	0	2	0	0	0	0	0	0	0
A	0	0	2	38	0	0	0	0	0	0	0	0	0
C	0	0	2	0	34	0	0	0	0	0	0	0	0
G	0	0	2	0	0	37	0	0	0	0	0	0	0
T	0	0	3	0	0	0	27	0	0	0	0	0	0
AC	0	0	0	1	0	0	0	0	0	0	0	0	0
AG	0	0	1	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 147: detailed difference for row id1=(6979, 1) (Wei-0) vs row id2=59

row id1	col id1	call1	row id2	col id2	call2
(6979, 1)/Wei-0	AtMSQTsnp 232	AC	59	AtMSQTsnp 232	A

3.101 row id1=(6980, 1) (Ws-0) vs row id2=60

Table 148: row id1=(6980, 1) (Ws-0) vs row id2=60

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	3	1	3	3	0	0	0	0	0	0
A	1	0	1	36	0	0	0	0	0	0	0	0	0
C	0	0	4	0	23	0	0	0	0	0	0	0	0
G	0	0	0	0	0	40	0	0	0	0	0	0	0
T	0	0	1	0	0	0	31	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	1	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0

CT	0	0	0	0	1	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 149: detailed difference for row id1=(6980, 1) (Ws-0) vs row id2=60

row id1	col id1	call1	row id2	col id2	call2
(6980, 1)/Ws-0	AtMSQTsnp 267	CT	60	AtMSQTsnp 267	C

3.102 row id1=(6981, 1) (Ws-2) vs row id2=96

Table 150: row id1=(6981, 1) (Ws-2) vs row id2=96

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	0	2	1	1	1	0	0	0	0	0	0	
A	6	0	4	25	0	0	0	0	0	0	0	0	0	
C	0	0	2	0	23	0	0	0	0	0	0	0	0	
G	1	0	2	1	0	40	0	0	0	0	0	0	0	
T	2	0	4	0	0	0	34	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 151: detailed difference for row id1=(6981, 1) (Ws-2) vs row id2=96

row id1	col id1	call1	row id2	col id2	call2
(6981, 1)/Ws-2	AtMSQTsnp 370	G	96	AtMSQTsnp 370	A

3.103 row id1=(6982, 1) (Wt-5) vs row id2=74

Table 152: row id1=(6982, 1) (Wt-5) vs row id2=74

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	0	0	0	1	1	0	0	0	0	0	0	
A	2	0	2	37	0	0	0	0	0	0	0	0	0	
C	0	0	4	0	34	0	1	0	0	0	0	0	0	
G	0	0	3	0	0	35	0	0	0	0	0	0	0	
T	1	0	4	0	0	0	24	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 153: detailed difference for row id1=(6982, 1) (Wt-5) vs row id2=74

row id1	col id1	call1	row id2	col id2	call2
(6982, 1)/Wt-5	AtMSQTsnp 334	C	74	AtMSQTsnp 334	T

3.104 row id1=(6983, 1) (Yo-0) vs row id2=61

Table 154: row id1=(6983, 1) (Yo-0) vs row id2=61

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	0	1	0	0	1	0	0	0	0	0	0	
A	0	0	0	42	0	0	0	0	0	0	0	0	0	
C	1	0	3	0	26	0	0	0	0	0	0	0	0	
G	0	0	1	0	0	42	0	0	0	0	0	0	0	
T	0	0	2	0	0	0	30	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.105 row id1=(6984, 1) (Zdr-1) vs row id2=25

Table 155: row id1=(6984, 1) (Zdr-1) vs row id2=25

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	0	0	0	0	1	0	0	0	0	0	0	
A	1	0	0	33	1	0	0	0	0	0	0	0	0	
C	0	0	1	0	35	0	0	0	0	0	0	0	0	
G	0	0	1	0	0	37	0	0	0	0	0	0	0	
T	1	0	0	0	0	0	37	0	0	0	0	0	0	
AC	0	0	0	1	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 156: detailed difference for row id1=(6984, 1) (Zdr-1) vs row id2=25

row id1	col id1	call1	row id2	col id2	call2
(6984, 1)/Zdr-1	AtMSQTsnp 232	AC	25	AtMSQTsnp 232	A
(6984, 1)/Zdr-1	AtMSQTsnp 260	A	25	AtMSQTsnp 260	C

3.106 row id1=(6985, 1) (Zdr-6) vs row id2=26

Table 157: row id1=(6985, 1) (Zdr-6) vs row id2=26

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	1	1	2	1	0	0	0	0	0	0	0	
A	1	0	2	33	0	0	0	0	0	0	0	0	0	
C	0	0	2	0	33	0	0	0	0	0	0	0	0	
G	1	0	0	0	0	37	0	0	0	0	0	0	0	
T	0	0	0	0	0	0	34	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	1	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 158: detailed difference for row id1=(6985, 1) (Zdr-6) vs row id2=26

row id1	col id1	call1	row id2	col id2	call2
(6985, 1)/Zdr-6	AtMSQTsnp 267	CT	26	AtMSQTsnp 267	C

3.107 row id1=(6986, 1) () vs row id2=386

Table 159: row id1=(6986, 1) () vs row id2=386

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	5	0	0	0	0	0	0	0	0	0	0	0	0
A	34	0	0	0	0	0	0	0	0	0	0	0	0
C	36	0	0	0	0	0	0	0	0	0	0	0	0
G	40	0	0	0	0	0	0	0	0	0	0	0	0
T	33	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.108 row id1=(6987, 1) () vs row id2=387

Table 160: row id1=(6987, 1) () vs row id2=387

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	0	0	0	0	0	0	0	0	0	0	0
A	36	0	0	0	0	0	0	0	0	0	0	0	0
C	34	0	0	0	0	0	0	0	0	0	0	0	0
G	41	0	0	0	0	0	0	0	0	0	0	0	0
T	33	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	2	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.109 row id1=(7000, 1) () vs row id2=385

Table 161: row id1=(7000, 1) () vs row id2=385

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	2	0	0	0	0	0	0	0	0	0	0	0	0
A	44	0	0	0	0	0	0	0	0	0	0	0	0
C	24	0	0	0	0	0	0	0	0	0	0	0	0
G	42	0	0	0	0	0	0	0	0	0	0	0	0
T	35	0	0	0	0	0	0	0	0	0	0	0	0
AC	1	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.110 row id1=(7014, 1) () vs row id2=388

Table 162: row id1=(7014, 1) () vs row id2=388

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	2	0	0	0	0	0	0	0	0	0	0	0	0
A	45	0	0	0	0	0	0	0	0	0	0	0	0
C	27	0	0	0	0	0	0	0	0	0	0	0	0
G	40	0	0	0	0	0	0	0	0	0	0	0	0
T	34	0	0	0	0	0	0	0	0	0	0	0	0

AC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.111 row id1=(7016, 1) () vs row id2=390

Table 163: row id1=(7016, 1) () vs row id2=390

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	0	0	0	0	0	0	0	0	0	0	0	0
A	43	0	0	0	0	0	0	0	0	0	0	0	0	0
C	33	0	0	0	0	0	0	0	0	0	0	0	0	0
G	37	0	0	0	0	0	0	0	0	0	0	0	0	0
T	30	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	1	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.112 row id1=(7025, 1) () vs row id2=389

Table 164: row id1=(7025, 1) () vs row id2=389

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	0	0	0	0	0	0	0	0	0	0	0	0
A	34	0	0	0	0	0	0	0	0	0	0	0	0	0
C	39	0	0	0	0	0	0	0	0	0	0	0	0	0
G	41	0	0	0	0	0	0	0	0	0	0	0	0	0
T	31	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	1	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.113 row id1=(7061, 1) () vs row id2=392

Table 165: row id1=(7061, 1) () vs row id2=392

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	2	0	0	0	0	0	0	0	0	0	0	0	0	0
A	42	0	0	0	0	0	0	0	0	0	0	0	0	0
C	32	0	0	0	0	0	0	0	0	0	0	0	0	0
G	39	0	0	0	0	0	0	0	0	0	0	0	0	0
T	34	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.114 row id1=(7062, 1) () vs row id2=391

Table 166: row id1=(7062, 1) () vs row id2=391

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	7	0	0	0	0	0	0	0	0	0	0	0	0
A	41	0	0	0	0	0	0	0	0	0	0	0	0
C	34	0	0	0	0	0	0	0	0	0	0	0	0
G	41	0	0	0	0	0	0	0	0	0	0	0	0
T	26	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.115 row id1=(7064, 1) () vs row id2=394

Table 167: row id1=(7064, 1) () vs row id2=394

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	6	0	0	0	0	0	0	0	0	0	0	0	0
A	38	0	0	0	0	0	0	0	0	0	0	0	0
C	33	0	0	0	0	0	0	0	0	0	0	0	0
G	37	0	0	0	0	0	0	0	0	0	0	0	0
T	34	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.116 row id1=(7072, 1) () vs row id2=393

Table 168: row id1=(7072, 1) () vs row id2=393

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	148	0	0	0	0	0	0	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	1	0	0	0	0	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.117 row id1=(7094, 1) () vs row id2=396

Table 169: row id1=(7094, 1) () vs row id2=396

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	6	0	0	0	0	0	0	0	0	0	0	0	0
A	42	0	0	0	0	0	0	0	0	0	0	0	0
C	29	0	0	0	0	0	0	0	0	0	0	0	0
G	35	0	0	0	0	0	0	0	0	0	0	0	0
T	36	0	0	0	0	0	0	0	0	0	0	0	0
AC	1	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0

AT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.118 row id1=(7096, 1) () vs row id2=399

Table 170: row id1=(7096, 1) () vs row id2=399

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	1	0	0	0	0	0	0	0	0	0	0	0	0	
A	43	0	0	0	0	0	0	0	0	0	0	0	0	
C	29	0	0	0	0	0	0	0	0	0	0	0	0	
G	42	0	0	0	0	0	0	0	0	0	0	0	0	
T	34	0	0	0	0	0	0	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.119 row id1=(7103, 1) () vs row id2=400

Table 171: row id1=(7103, 1) () vs row id2=400

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	3	0	0	0	0	0	0	0	0	0	0	0	0	
A	34	0	0	0	0	0	0	0	0	0	0	0	0	
C	30	0	0	0	0	0	0	0	0	0	0	0	0	
G	40	0	0	0	0	0	0	0	0	0	0	0	0	
T	41	0	0	0	0	0	0	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	1	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.120 row id1=(7109, 1) () vs row id2=401

Table 172: row id1=(7109, 1) () vs row id2=401

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	4	0	0	0	0	0	0	0	0	0	0	0	0	
A	33	0	0	0	0	0	0	0	0	0	0	0	0	
C	40	0	0	0	0	0	0	0	0	0	0	0	0	
G	41	0	0	0	0	0	0	0	0	0	0	0	0	
T	30	0	0	0	0	0	0	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	1	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.121 row id1=(7123, 1) () vs row id2=403

Table 173: row id1=(7123, 1) () vs row id2=403

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	2	0	0	0	0	0	0	0	0	0	0	0	0
A	42	0	0	0	0	0	0	0	0	0	0	0	0
C	32	0	0	0	0	0	0	0	0	0	0	0	0
G	40	0	0	0	0	0	0	0	0	0	0	0	0
T	33	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.122 row id1=(7125, 1) () vs row id2=404

Table 174: row id1=(7125, 1) () vs row id2=404

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	6	0	0	0	0	0	0	0	0	0	0	0	0
A	38	0	0	0	0	0	0	0	0	0	0	0	0
C	29	0	0	0	0	0	0	0	0	0	0	0	0
G	41	0	0	0	0	0	0	0	0	0	0	0	0
T	33	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	1	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.123 row id1=(7127, 1) () vs row id2=405

Table 175: row id1=(7127, 1) () vs row id2=405

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	0	0	0	0	0	0	0	0	0	0	0
A	38	0	0	0	0	0	0	0	0	0	0	0	0
C	35	0	0	0	0	0	0	0	0	0	0	0	0
G	38	0	0	0	0	0	0	0	0	0	0	0	0
T	32	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	2	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.124 row id1=(7130, 1) () vs row id2=406

Table 176: row id1=(7130, 1) () vs row id2=406

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	6	0	0	0	0	0	0	0	0	0	0	0	0
A	48	0	0	0	0	0	0	0	0	0	0	0	0
C	33	0	0	0	0	0	0	0	0	0	0	0	0
G	33	0	0	0	0	0	0	0	0	0	0	0	0
T	28	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	1	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0

CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.125 row id1=(7133, 1) () vs row id2=407

Table 177: row id1=(7133, 1) () vs row id2=407

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	5	0	0	0	0	0	0	0	0	0	0	0	0
A	33	0	0	0	0	0	0	0	0	0	0	0	0
C	29	0	0	0	0	0	0	0	0	0	0	0	0
G	43	0	0	0	0	0	0	0	0	0	0	0	0
T	39	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.126 row id1=(7147, 1) () vs row id2=408

Table 178: row id1=(7147, 1) () vs row id2=408

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	1	0	0	0	0	0	0	0	0	0	0	0	0
A	39	0	0	0	0	0	0	0	0	0	0	0	0
C	30	0	0	0	0	0	0	0	0	0	0	0	0
G	45	0	0	0	0	0	0	0	0	0	0	0	0
T	33	0	0	0	0	0	0	0	0	0	0	0	0
AC	1	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.127 row id1=(7160, 1) () vs row id2=409

Table 179: row id1=(7160, 1) () vs row id2=409

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	5	0	0	0	0	0	0	0	0	0	0	0	0
A	44	0	0	0	0	0	0	0	0	0	0	0	0
C	23	0	0	0	0	0	0	0	0	0	0	0	0
G	38	0	0	0	0	0	0	0	0	0	0	0	0
T	36	0	0	0	0	0	0	0	0	0	0	0	0
AC	1	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	2	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.128 row id1=(7163, 1) () vs row id2=410

Table 180: row id1=(7163, 1) () vs row id2=410

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0

-	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	0	0	0	0	0	0	0	0	0	0	0	0
A	41	0	0	0	0	0	0	0	0	0	0	0	0	0
C	32	0	0	0	0	0	0	0	0	0	0	0	0	0
G	39	0	0	0	0	0	0	0	0	0	0	0	0	0
T	29	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	1	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	1	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	1	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.129 row id1=(7164, 1) () vs row id2=411

Table 181: row id1=(7164, 1) () vs row id2=411

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	0	0	0	0	0	0	0	0	0	0	0
A	41	0	0	0	0	0	0	0	0	0	0	0	0
C	35	0	0	0	0	0	0	0	0	0	0	0	0
G	38	0	0	0	0	0	0	0	0	0	0	0	0
T	29	0	0	0	0	0	0	0	0	0	0	0	0
AC	1	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.130 row id1=(7172, 1) () vs row id2=412

Table 182: row id1=(7172, 1) () vs row id2=412

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	0	0	0	0	0	0	0	0	0	0	0
A	45	0	0	0	0	0	0	0	0	0	0	0	0
C	27	0	0	0	0	0	0	0	0	0	0	0	0
G	38	0	0	0	0	0	0	0	0	0	0	0	0
T	34	0	0	0	0	0	0	0	0	0	0	0	0
AC	1	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.131 row id1=(7181, 1) () vs row id2=413

Table 183: row id1=(7181, 1) () vs row id2=413

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	5	0	0	0	0	0	0	0	0	0	0	0	0
A	38	0	0	0	0	0	0	0	0	0	0	0	0
C	32	0	0	0	0	0	0	0	0	0	0	0	0
G	42	0	0	0	0	0	0	0	0	0	0	0	0
T	31	0	0	0	0	0	0	0	0	0	0	0	0
AC	1	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.132 row id1=(7192, 1) () vs row id2=417

Table 184: row id1=(7192, 1) () vs row id2=417

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	6	0	0	0	0	0	0	0	0	0	0	0	0
A	41	0	0	0	0	0	0	0	0	0	0	0	0
C	30	0	0	0	0	0	0	0	0	0	0	0	0
G	36	0	0	0	0	0	0	0	0	0	0	0	0
T	35	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.133 row id1=(7202, 1) () vs row id2=415

Table 185: row id1=(7202, 1) () vs row id2=415

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	5	0	0	0	0	0	0	0	0	0	0	0	0
A	40	0	0	0	0	0	0	0	0	0	0	0	0
C	34	0	0	0	0	0	0	0	0	0	0	0	0
G	41	0	0	0	0	0	0	0	0	0	0	0	0
T	29	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.134 row id1=(7231, 1) () vs row id2=418

Table 186: row id1=(7231, 1) () vs row id2=418

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	5	0	0	0	0	0	0	0	0	0	0	0	0
A	42	0	0	0	0	0	0	0	0	0	0	0	0
C	37	0	0	0	0	0	0	0	0	0	0	0	0
G	34	0	0	0	0	0	0	0	0	0	0	0	0
T	30	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	1	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.135 row id1=(7238, 1) () vs row id2=419

Table 187: row id1=(7238, 1) () vs row id2=419

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	6	0	0	0	0	0	0	0	0	0	0	0	0
A	36	0	0	0	0	0	0	0	0	0	0	0	0

C	34	0	0	0	0	0	0	0	0	0	0	0	0	0
G	39	0	0	0	0	0	0	0	0	0	0	0	0	0
T	33	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.136 row id1=(7245, 1) () vs row id2=420

Table 188: row id1=(7245, 1) () vs row id2=420

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	13	0	0	0	0	0	0	0	0	0	0	0	0
A	40	0	0	0	0	0	0	0	0	0	0	0	0
C	31	0	0	0	0	0	0	0	0	0	0	0	0
G	33	0	0	0	0	0	0	0	0	0	0	0	0
T	29	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	1	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	1	0	0	0	0	0	0	0	0	0	0	0	0

3.137 row id1=(7255, 1) () vs row id2=421

Table 189: row id1=(7255, 1) () vs row id2=421

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	6	0	0	0	0	0	0	0	0	0	0	0	0
A	36	0	0	0	0	0	0	0	0	0	0	0	0
C	34	0	0	0	0	0	0	0	0	0	0	0	0
G	41	0	0	0	0	0	0	0	0	0	0	0	0
T	31	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.138 row id1=(7262, 1) () vs row id2=424

Table 190: row id1=(7262, 1) () vs row id2=424

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	0	0	0	0	0	0	0	0	0	0	0
A	39	0	0	0	0	0	0	0	0	0	0	0	0
C	29	0	0	0	0	0	0	0	0	0	0	0	0
G	43	0	0	0	0	0	0	0	0	0	0	0	0
T	33	0	0	0	0	0	0	0	0	0	0	0	0
AC	1	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.139 row id1=(7265, 1) () vs row id2=422

Table 191: row id1=(7265, 1) () vs row id2=422

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	6	0	0	0	0	0	0	0	0	0	0	0	0
A	47	0	0	0	0	0	0	0	0	0	0	0	0
C	35	0	0	0	0	0	0	0	0	0	0	0	0
G	32	0	0	0	0	0	0	0	0	0	0	0	0
T	28	0	0	0	0	0	0	0	0	0	0	0	0
AC	1	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.140 row id1=(7275, 1) () vs row id2=423

Table 192: row id1=(7275, 1) () vs row id2=423

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	0	0	0	0	0	0	0	0	0	0	0
A	38	0	0	0	0	0	0	0	0	0	0	0	0
C	31	0	0	0	0	0	0	0	0	0	0	0	0
G	42	0	0	0	0	0	0	0	0	0	0	0	0
T	34	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.141 row id1=(7276, 1) () vs row id2=425

Table 193: row id1=(7276, 1) () vs row id2=425

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	19	0	0	0	0	0	0	0	0	0	0	0	0
A	37	0	0	0	0	0	0	0	0	0	0	0	0
C	38	0	0	0	0	0	0	0	0	0	0	0	0
G	29	0	0	0	0	0	0	0	0	0	0	0	0
T	26	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.142 row id1=(7282, 1) () vs row id2=426

Table 194: row id1=(7282, 1) () vs row id2=426

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	6	0	0	0	0	0	0	0	0	0	0	0	0
A	38	0	0	0	0	0	0	0	0	0	0	0	0
C	34	0	0	0	0	0	0	0	0	0	0	0	0
G	42	0	0	0	0	0	0	0	0	0	0	0	0
T	28	0	0	0	0	0	0	0	0	0	0	0	0

AC	1	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.143 row id1=(7306, 1) () vs row id2=427

Table 195: row id1=(7306, 1) () vs row id2=427

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	5	0	0	0	0	0	0	0	0	0	0	0	0	
A	48	0	0	0	0	0	0	0	0	0	0	0	0	
C	33	0	0	0	0	0	0	0	0	0	0	0	0	
G	31	0	0	0	0	0	0	0	0	0	0	0	0	
T	32	0	0	0	0	0	0	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.144 row id1=(7328, 1) () vs row id2=429

Table 196: row id1=(7328, 1) () vs row id2=429

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	51	0	0	0	0	0	0	0	0	0	0	0	0	
A	21	0	0	0	0	0	0	0	0	0	0	0	0	
C	17	0	0	0	0	0	0	0	0	0	0	0	0	
G	36	0	0	0	0	0	0	0	0	0	0	0	0	
T	21	0	0	0	0	0	0	0	0	0	0	0	0	
AC	1	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	1	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	1	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.145 row id1=(7332, 1) () vs row id2=395

Table 197: row id1=(7332, 1) () vs row id2=395

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	2	0	0	0	0	0	0	0	0	0	0	0	0	
A	39	0	0	0	0	0	0	0	0	0	0	0	0	
C	33	0	0	0	0	0	0	0	0	0	0	0	0	
G	44	0	0	0	0	0	0	0	0	0	0	0	0	
T	30	0	0	0	0	0	0	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	1	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.146 row id1=(7346, 1) () vs row id2=430

Table 198: row id1=(7346, 1) () vs row id2=430

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	24	0	0	0	0	0	0	0	0	0	0	0	0
A	32	0	0	0	0	0	0	0	0	0	0	0	0
C	28	0	0	0	0	0	0	0	0	0	0	0	0
G	35	0	0	0	0	0	0	0	0	0	0	0	0
T	30	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.147 row id1=(7352, 1) () vs row id2=431

Table 199: row id1=(7352, 1) () vs row id2=431

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	49	0	0	0	0	0	0	0	0	0	0	0	0
A	29	0	0	0	0	0	0	0	0	0	0	0	0
C	26	0	0	0	0	0	0	0	0	0	0	0	0
G	27	0	0	0	0	0	0	0	0	0	0	0	0
T	18	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.148 row id1=(7356, 1) () vs row id2=432

Table 200: row id1=(7356, 1) () vs row id2=432

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	1	0	0	0	0	0	0	0	0	0	0	0	0
A	39	0	0	0	0	0	0	0	0	0	0	0	0
C	35	0	0	0	0	0	0	0	0	0	0	0	0
G	38	0	0	0	0	0	0	0	0	0	0	0	0
T	32	0	0	0	0	0	0	0	0	0	0	0	0
AC	2	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	2	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.149 row id1=(7376, 1) () vs row id2=433

Table 201: row id1=(7376, 1) () vs row id2=433

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	19	0	0	0	0	0	0	0	0	0	0	0	0
A	31	0	0	0	0	0	0	0	0	0	0	0	0
C	23	0	0	0	0	0	0	0	0	0	0	0	0
G	38	0	0	0	0	0	0	0	0	0	0	0	0
T	37	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0

AT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.150 row id1=(7381, 1) () vs row id2=434

Table 202: row id1=(7381, 1) () vs row id2=434

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	39	0	0	0	0	0	0	0	0	0	0	0	0	
A	31	0	0	0	0	0	0	0	0	0	0	0	0	
C	30	0	0	0	0	0	0	0	0	0	0	0	0	
G	28	0	0	0	0	0	0	0	0	0	0	0	0	
T	21	0	0	0	0	0	0	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.151 row id1=(7406, 1) () vs row id2=436

Table 203: row id1=(7406, 1) () vs row id2=436

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	4	0	0	0	0	0	0	0	0	0	0	0	0	
A	40	0	0	0	0	0	0	0	0	0	0	0	0	
C	27	0	0	0	0	0	0	0	0	0	0	0	0	
G	40	0	0	0	0	0	0	0	0	0	0	0	0	
T	38	0	0	0	0	0	0	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.152 row id1=(7418, 1) () vs row id2=437

Table 204: row id1=(7418, 1) () vs row id2=437

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	11	0	0	0	0	0	0	0	0	0	0	0	0	
A	34	0	0	0	0	0	0	0	0	0	0	0	0	
C	28	0	0	0	0	0	0	0	0	0	0	0	0	
G	41	0	0	0	0	0	0	0	0	0	0	0	0	
T	34	0	0	0	0	0	0	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	1	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.153 row id1=(7419, 1) () vs row id2=398

Table 205: row id1=(7419, 1) () vs row id2=398

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	0	0	0	0	0	0	0	0	0	0	0
A	41	0	0	0	0	0	0	0	0	0	0	0	0
C	31	0	0	0	0	0	0	0	0	0	0	0	0
G	40	0	0	0	0	0	0	0	0	0	0	0	0
T	31	0	0	0	0	0	0	0	0	0	0	0	0
AC	1	0	0	0	0	0	0	0	0	0	0	0	0
AG	1	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.154 row id1=(7424, 1) () vs row id2=414

Table 206: row id1=(7424, 1) () vs row id2=414

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	9	0	0	0	0	0	0	0	0	0	0	0	0
A	36	0	0	0	0	0	0	0	0	0	0	0	0
C	33	0	0	0	0	0	0	0	0	0	0	0	0
G	40	0	0	0	0	0	0	0	0	0	0	0	0
T	31	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.155 row id1=(7438, 1) (N13) vs row id2=58

Table 207: row id1=(7438, 1) (N13) vs row id2=58

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	2	0	2	9	8	9	14	0	0	0	0	0	0
A	2	0	0	21	0	0	0	0	0	0	0	0	0
C	1	0	1	0	19	0	0	0	0	0	0	0	0
G	0	0	1	0	0	32	0	0	0	0	0	0	0
T	0	0	2	0	0	0	25	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	1	0	0	0	0	0	0	0

Table 208: detailed difference for row id1=(7438, 1) (N13) vs row id2=58

row id1	col id1	call1	row id2	col id2	call2
(7438, 1)/N13	AtMSQTsnp 169	GT	58	AtMSQTsnp 169	G

3.156 row id1=(7453, 1) (M3385S) vs row id2=98

Table 209: row id1=(7453, 1) (M3385S) vs row id2=98

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	6	0	0	0	0	0	0	0	0	0	0	0	0

A	41	0	0	1	0	0	0	0	0	0	0	0	0	0
C	33	0	0	0	1	0	0	0	0	0	0	0	0	0
G	36	0	0	0	0	3	0	0	0	0	0	0	0	0
T	27	0	0	0	0	0	1	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.157 row id1=(7477, 1) () vs row id2=435

Table 210: row id1=(7477, 1) () vs row id2=435

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	4	0	0	0	0	0	0	0	0	0	0	0	0	
A	39	0	0	0	0	0	0	0	0	0	0	0	0	
C	28	0	0	0	0	0	0	0	0	0	0	0	0	
G	43	0	0	0	0	0	0	0	0	0	0	0	0	
T	34	0	0	0	0	0	0	0	0	0	0	0	0	
AC	1	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.158 row id1=(7514, 1) (RRS-7) vs row id2=1

Table 211: row id1=(7514, 1) (RRS-7) vs row id2=1

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	0	0	1	2	1	0	0	0	0	0	0	
A	1	0	5	38	0	0	0	0	0	0	0	0	0	
C	0	0	1	0	22	0	0	0	0	0	0	0	0	
G	2	0	5	0	0	31	0	0	0	0	0	0	0	
T	0	0	4	0	0	0	35	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	1	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.159 row id1=(7515, 1) (RRS-10) vs row id2=2

Table 212: row id1=(7515, 1) (RRS-10) vs row id2=2

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	1	1	1	1	1	0	0	0	0	0	0	
A	0	0	2	41	1	0	0	0	0	0	0	0	0	
C	0	0	0	0	24	0	0	0	0	0	0	0	0	
G	1	0	3	0	0	34	0	0	0	0	0	0	0	
T	2	0	3	0	0	0	32	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	1	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 213: detailed difference for row id1=(7515, 1) (RRS-10) vs row id2=2

row id1	col id1	call1	row id2	col id2	call2
(7515, 1)/RRS-10	AtMSQTsnp 140	A	2	AtMSQTsnp 140	C
(7515, 1)/RRS-10	AtMSQTsnp 267	CT	2	AtMSQTsnp 267	C

3.160 row id1=(7516, 1) (V-1) vs row id2=17

Table 214: row id1=(7516, 1) (V-1) vs row id2=17

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	0	0	1	3	1	0	0	0	0	0	0	
A	0	0	2	36	0	0	0	0	0	0	0	0	0	
C	0	0	0	0	35	0	0	0	0	0	0	0	0	
G	0	0	1	0	0	40	0	0	0	0	0	0	0	
T	1	0	3	0	0	0	25	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	1	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 215: detailed difference for row id1=(7516, 1) (V-1) vs row id2=17

row id1	col id1	call1	row id2	col id2	call2
(7516, 1)/V-1	AtMSQTsnp 138	CT	17	AtMSQTsnp 138	C

3.161 row id1=(7517, 1) (V-6) vs row id2=18

Table 216: row id1=(7517, 1) (V-6) vs row id2=18

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	0	0	0	3	1	0	0	0	0	0	0	
A	0	0	1	34	0	0	0	0	0	0	0	0	0	
C	0	0	2	0	33	0	0	0	0	0	0	0	0	
G	0	0	1	0	0	45	0	0	0	0	0	0	0	
T	1	0	1	0	0	0	27	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.162 row id1=(7518, 1) () vs row id2=21

Table 217: row id1=(7518, 1) () vs row id2=21

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	0	2	1	1	1	0	0	0	0	0	0	
A	1	0	2	30	0	0	0	0	0	0	0	0	0	
C	1	0	1	0	26	0	0	0	0	0	0	0	0	
G	0	0	2	0	0	42	0	0	0	0	0	0	0	
T	0	0	1	0	0	0	37	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	1	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	

CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.163 row id1=(7519, 1) () vs row id2=22

Table 218: row id1=(7519, 1) () vs row id2=22

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	1	3	2	3	0	0	0	0	0	0
A	1	0	1	31	0	0	0	0	0	0	0	0	0
C	0	0	0	0	31	0	0	0	0	0	0	0	0
G	0	0	2	1	0	40	0	0	0	0	0	0	0
T	0	0	0	0	0	0	32	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	1	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 219: detailed difference for row id1=(7519, 1) () vs row id2=22

row id1	col id1	call1	row id2	col id2	call2
(7519, 1)/	AtMSQTsnp 267	CT	22	AtMSQTsnp 267	C
(7519, 1)/	AtMSQTsnp 373	G	22	AtMSQTsnp 373	A

3.164 row id1=(7520, 1) (Lp2-2) vs row id2=31

Table 220: row id1=(7520, 1) (Lp2-2) vs row id2=31

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	2	2	1	1	0	0	0	0	0	0
A	0	0	0	32	0	0	0	0	0	0	0	0	0
C	0	0	0	0	35	0	0	0	0	0	0	0	0
G	0	0	1	0	0	39	0	0	0	0	0	0	0
T	1	0	1	0	0	0	32	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	1	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.165 row id1=(7521, 1) (Lp2-6) vs row id2=32

Table 221: row id1=(7521, 1) (Lp2-6) vs row id2=32

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	0	2	2	1	0	0	0	0	0	0
A	0	0	0	40	0	0	0	0	0	0	0	0	0
C	0	0	1	0	33	0	0	0	0	0	0	0	0
G	1	0	1	0	0	31	0	0	0	0	0	0	0
T	1	0	3	0	0	0	32	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.166 row id1=(7522, 1) (Mr-0) vs row id2=77

Table 222: row id1=(7522, 1) (Mr-0) vs row id2=77

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	1	0	0	0	1	2	1	0	0	0	0	0	0
A	0	0	2	32	0	0	0	0	0	0	0	0	0
C	0	0	3	0	34	0	0	0	0	0	0	0	0
G	0	0	2	0	0	47	0	0	0	0	0	0	0
T	0	0	3	0	0	0	21	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.167 row id1=(7523, 1) (Pna-17) vs row id2=7

Table 223: row id1=(7523, 1) (Pna-17) vs row id2=7

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	1	0	1	1	0	0	0	0	0	0
A	1	0	1	43	0	0	0	0	0	0	0	0	0
C	2	0	2	0	23	0	0	0	0	0	0	0	0
G	2	0	2	0	0	39	0	0	0	0	0	0	0
T	3	0	0	0	0	0	26	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	1	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 224: detailed difference for row id1=(7523, 1) (Pna-17) vs row id2=7

row id1	col id1	call1	row id2	col id2	call2
(7523, 1)/Pna-17	AtMSQTsnp 267	CT	7	AtMSQTsnp 267	C

3.168 row id1=(7524, 1) (Rmx-A02) vs row id2=5

Table 225: row id1=(7524, 1) (Rmx-A02) vs row id2=5

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	3	1	2	0	0	0	0	0	0
A	0	0	5	40	0	0	0	0	0	0	0	0	0
C	2	0	0	0	23	0	0	0	0	0	0	0	0
G	1	0	3	0	0	34	0	0	0	0	0	0	0
T	2	0	2	0	0	0	29	0	0	0	0	0	0
AC	0	0	0	1	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	1	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 226: detailed difference for row id1=(7524, 1) (Rmx-A02) vs
row id2=5

row id1	col id1	call1	row id2	col id2	call2
(7524, 1)/Rmx-A02	AtMSQTsnp 232	AC	5	AtMSQTsnp 232	A

3.169 row id1=(7525, 1) (Rmx-A180) vs row id2=6

Table 227: row id1=(7525, 1) (Rmx-A180) vs row id2=6

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	0	0	2	1	2	0	0	0	0	0	0	
A	1	0	2	34	0	0	0	0	0	0	0	0	0	
C	0	0	1	0	29	0	0	0	0	0	0	0	0	
G	3	0	2	0	0	37	0	0	0	0	0	0	0	
T	3	0	1	0	0	0	31	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.170 row id1=(7526, 1) (Pna-10) vs row id2=8

Table 228: row id1=(7526, 1) (Pna-10) vs row id2=8

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	0	0	2	1	2	0	0	0	0	0	0	
A	1	0	3	40	0	0	0	0	0	0	0	0	0	
C	1	0	3	0	20	0	0	0	0	0	0	0	0	
G	0	0	3	0	0	35	0	0	0	0	0	0	0	
T	0	0	4	0	0	0	32	0	0	0	0	0	0	
AC	0	0	0	1	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	1	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 229: detailed difference for row id1=(7526, 1) (Pna-10) vs
row id2=8

row id1	col id1	call1	row id2	col id2	call2
(7526, 1)/Pna-10	AtMSQTsnp 232	AC	8	AtMSQTsnp 232	A
(7526, 1)/Pna-10	AtMSQTsnp 267	CT	8	AtMSQTsnp 267	C

3.171 row id1=(8213, 1) (Pro-0) vs row id2=86

Table 230: row id1=(8213, 1) (Pro-0) vs row id2=86

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	4	13	6	9	8	0	0	0	0	0	0	
A	1	0	2	28	0	0	0	0	0	0	0	0	0	
C	0	0	2	0	20	0	0	0	0	0	0	0	0	
G	0	0	0	0	0	35	0	0	0	0	0	0	0	
T	1	0	0	0	0	0	20	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	

CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.172 row id1=(8214, 1) (Gy-0) vs row id2=68

Table 231: row id1=(8214, 1) (Gy-0) vs row id2=68

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	3	2	0	0	0	0	0	0	0
A	0	0	0	45	1	0	0	0	0	0	0	0	0
C	1	0	1	0	26	0	0	0	0	0	0	0	0
G	0	0	0	0	0	36	0	0	0	0	0	0	0
T	0	0	1	0	0	0	33	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 232: detailed difference for row id1=(8214, 1) (Gy-0) vs row id2=68

row id1	col id1	call1	row id2	col id2	call2
(8214, 1)/Gy-0	AtMSQTsnp 164	A	68	AtMSQTsnp 164	C

3.173 row id1=(8215, 1) (Fei-0) vs row id2=82

Table 233: row id1=(8215, 1) (Fei-0) vs row id2=82

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	0	2	1	1	0	0	0	0	0	0
A	1	0	5	39	0	0	0	0	0	0	0	0	0
C	0	0	6	0	29	0	0	0	0	0	0	0	0
G	0	0	0	0	0	34	0	0	1	0	0	0	0
T	1	0	3	0	0	0	24	0	0	0	0	0	0
AC	0	0	0	1	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 234: detailed difference for row id1=(8215, 1) (Fei-0) vs row id2=82

row id1	col id1	call1	row id2	col id2	call2
(8215, 1)/Fei-0	AtMSQTsnp 223	G	82	AtMSQTsnp 223	AG
(8215, 1)/Fei-0	AtMSQTsnp 232	AC	82	AtMSQTsnp 232	A

3.174 row id1=(8222, 1) (Lis-2) vs row id2=366

Table 235: row id1=(8222, 1) (Lis-2) vs row id2=366

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	5	0	0	0	0	0	0	0	0	0	0	0	0
A	35	0	0	0	0	0	0	0	0	0	0	0	0
C	31	0	0	0	1	0	0	0	0	0	0	0	0
G	40	0	2	0	0	0	0	0	0	0	0	0	0

T	34	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.175 row id1=(8231, 1) (Br) vs row id2=354

Table 236: row id1=(8231, 1) (Br) vs row id2=354

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	7	0	0	0	0	0	0	0	0	0	0	0	0
A	38	0	0	0	0	0	0	0	0	0	0	0	0
C	34	0	0	0	0	0	0	0	0	0	0	0	0
G	40	0	0	0	0	2	0	0	0	0	0	0	0
T	27	0	0	0	0	0	1	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.176 row id1=(8233, 1) (Dem-4) vs row id2=297

Table 237: row id1=(8233, 1) (Dem-4) vs row id2=297

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	0	0	0	0	0	0	0	0	0	0	0
A	44	0	1	0	0	0	0	0	0	0	0	0	0
C	24	0	0	0	0	0	0	0	0	0	0	0	0
G	38	0	0	0	0	1	0	0	0	0	0	0	0
T	36	0	0	0	0	0	1	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.177 row id1=(8234, 1) (Gul1-2) vs row id2=356

Table 238: row id1=(8234, 1) (Gul1-2) vs row id2=356

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	2	0	0	0	0	0	0	0	0	0	0	0	0
A	38	0	1	0	0	0	0	0	0	0	0	0	0
C	33	0	0	0	0	0	0	0	0	0	0	0	0
G	36	0	0	0	0	0	0	0	0	0	0	0	0
T	33	0	0	0	0	1	1	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	2	0	0	0	0	0	0	0	0	0	0	0	0
AT	1	0	0	0	0	0	0	0	0	0	0	0	0
CG	1	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 239: detailed difference for row id1=(8234, 1) (Gul1-2) vs row id2=356

row id1	col id1	call1	row id2	col id2	call2
(8234, 1)/Gul1-2	AtMSQTsnp 274	T	356	AtMSQTsnp 274	G

3.178 row id1=(8235, 1) (Hod) vs row id2=379

Table 240: row id1=(8235, 1) (Hod) vs row id2=379

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	0	0	0	0	0	0	0	0	0	0	0
A	40	0	0	1	0	0	0	0	0	0	0	0	0
C	30	0	0	0	1	0	0	0	0	0	0	0	0
G	38	0	0	0	0	1	0	0	0	0	0	0	0
T	34	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.179 row id1=(8236, 1) (HSm) vs row id2=380

Table 241: row id1=(8236, 1) (HSm) vs row id2=380

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	0	0	0	0	0	0	0	0	0	0	0
A	30	0	0	0	0	0	0	0	0	0	0	0	0
C	34	0	0	0	0	0	0	0	0	0	0	0	0
G	48	0	1	0	0	1	0	0	0	0	0	0	0
T	30	0	0	0	0	0	1	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.180 row id1=(8237, 1) (Kinge-1) vs row id2=373

Table 242: row id1=(8237, 1) (Kinge-1) vs row id2=373

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	0	0	0	0	0	0	0	0	0	0	0
A	44	0	0	1	0	0	0	0	0	0	0	0	0
C	27	0	0	0	1	0	0	0	0	0	0	0	0
G	35	0	0	0	0	1	0	0	0	0	0	0	0
T	35	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.181 row id1=(8238, 1) (Kent) vs row id2=289

Table 243: row id1=(8238, 1) (Kent) vs row id2=289

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	0	0	0	0	0	0	0	0	0	0	0
A	40	0	0	0	0	0	0	0	0	0	0	0	0
C	31	0	0	0	0	0	0	0	0	0	0	0	0
G	39	0	0	0	0	1	0	0	0	0	0	0	0
T	33	0	1	0	0	0	1	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.182 row id1=(8239, 1) (K) vs row id2=293

Table 244: row id1=(8239, 1) (K) vs row id2=293

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	0	0	0	0	0	0	0	0	0	0	0
A	40	0	0	0	0	0	0	0	0	0	0	0	0
C	35	0	0	0	0	0	0	0	0	0	0	0	0
G	36	0	0	0	0	1	0	0	0	0	0	0	0
T	31	0	0	0	0	0	2	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.183 row id1=(8240, 1) (Kulturen-1) vs row id2=372

Table 245: row id1=(8240, 1) (Kulturen-1) vs row id2=372

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	6	0	0	1	0	0	0	0	0	0	0	0	0
A	31	0	0	0	0	0	0	0	0	0	0	0	0
C	34	0	0	0	1	0	0	0	0	0	0	0	0
G	40	0	0	0	0	0	0	0	0	0	0	0	0
T	35	0	0	0	0	0	1	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.184 row id1=(8241, 1) (Liarum) vs row id2=371

Table 246: row id1=(8241, 1) (Liarum) vs row id2=371

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	0	0	0	0	0	0	0	0	0	0	0
A	30	0	0	0	0	0	0	0	0	0	0	0	0
C	35	0	0	0	1	0	0	0	0	0	0	0	0
G	42	0	0	0	0	1	0	0	0	0	0	0	0
T	36	0	0	0	0	0	1	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0

CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.185 row id1=(8242, 1) (Lill) vs row id2=353

Table 247: row id1=(8242, 1) (Lill) vs row id2=353

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	0	0	0	0	0	0	0	0	0	0	0
A	40	0	0	0	0	0	0	0	0	0	0	0	0
C	32	0	0	0	1	0	0	0	0	0	0	0	0
G	42	0	1	0	0	1	0	0	0	0	0	0	0
T	27	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.186 row id1=(8243, 1) (PHW-2) vs row id2=313

Table 248: row id1=(8243, 1) (PHW-2) vs row id2=313

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	0	0	0	0	0	0	0	0	0	0	0
A	37	0	1	0	0	0	0	0	0	0	0	0	0
C	40	0	1	0	0	0	0	0	0	0	0	0	0
G	36	0	0	0	0	0	0	0	0	0	0	0	0
T	28	0	0	0	0	0	1	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.187 row id1=(8244, 1) (PHW-34) vs row id2=304

Table 249: row id1=(8244, 1) (PHW-34) vs row id2=304

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	0	0	0	0	0	0	0	0	0	0	0
A	42	0	0	0	0	0	0	0	0	0	0	0	0
C	30	0	0	0	0	0	0	0	0	0	0	0	0
G	43	0	0	0	0	1	1	0	0	0	0	0	0
T	28	0	0	0	0	0	1	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 250: detailed difference for row id1=(8244, 1) (PHW-34) vs row id2=304

row id1	col id1	call1	row id2	col id2	call2
(8244, 1)/PHW-34	AtMSQTsnp 274	G	304	AtMSQTsnp 274	T

3.188 row id1=(8245, 1) (Seattle-0) vs row id2=314

Table 251: row id1=(8245, 1) (Seattle-0) vs row id2=314

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	5	0	0	0	0	0	0	0	0	0	0	0	0
A	37	0	0	0	0	0	0	0	0	0	0	0	0
C	30	0	0	0	1	0	0	0	0	0	0	0	0
G	43	0	1	0	0	0	0	0	0	0	0	0	0
T	30	0	0	0	0	0	1	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.189 row id1=(8246, 1) (NC-6) vs row id2=294

Table 252: row id1=(8246, 1) (NC-6) vs row id2=294

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	21	0	0	0	0	0	0	0	0	0	0	0	0
A	44	0	0	0	0	1	0	0	0	0	0	0	0
C	14	0	0	0	0	0	0	0	0	0	0	0	0
G	30	0	0	0	0	0	1	0	0	0	0	0	0
T	36	0	0	0	0	0	1	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	1	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 253: detailed difference for row id1=(8246, 1) (NC-6) vs row id2=294

row id1	col id1	call1	row id2	col id2	call2
(8246, 1)/NC-6	AtMSQTsnp 274	G	294	AtMSQTsnp 274	T
(8246, 1)/NC-6	AtMSQTsnp 278	A	294	AtMSQTsnp 278	G

3.190 row id1=(8247, 1) (San-2) vs row id2=349

Table 254: row id1=(8247, 1) (San-2) vs row id2=349

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	0	0	0	0	0	0	0	0	0	0	0
A	48	0	0	1	0	0	0	0	0	0	0	0	0
C	27	0	0	0	0	0	0	0	0	0	0	0	0
G	32	0	0	0	0	1	0	0	0	0	0	0	0
T	36	0	0	0	0	0	1	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.191 row id1=(8248, 1) (Shahdara) vs row id2=89

Table 255: row id1=(8248, 1) (Shahdara) vs row id2=89

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	1	1	6	10	7	8	8	0	0	0	0	0	0	
A	0	0	3	28	0	0	0	0	0	0	0	0	0	
C	0	0	0	0	29	0	0	0	0	0	0	0	0	
G	0	0	0	0	0	24	0	0	0	0	0	0	0	
T	1	0	2	0	0	0	21	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.192 row id1=(8249, 1) (Vimmerby) vs row id2=295

Table 256: row id1=(8249, 1) (Vimmerby) vs row id2=295

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	3	0	0	0	0	0	0	0	0	0	0	0	0	
A	39	0	0	1	0	0	0	0	0	0	0	0	0	
C	34	0	0	0	1	0	0	0	0	0	0	0	0	
G	39	0	0	0	0	1	0	0	0	0	0	0	0	
T	31	0	0	0	0	0	0	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.193 row id1=(8251, 1) (Ag-0) vs row id2=67

Table 257: row id1=(8251, 1) (Ag-0) vs row id2=67

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	3	1	1	3	1	0	0	0	0	0	0	
A	1	0	2	35	0	0	0	0	0	0	0	0	0	
C	0	0	3	0	31	0	0	0	0	0	0	0	0	
G	0	0	0	0	0	37	0	0	0	0	0	0	0	
T	0	0	1	0	0	0	29	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	1	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 258: detailed difference for row id1=(8251, 1) (Ag-0) vs row id2=67

row id1	col id1			call1	row id2	col id2			call2
(8251, 1)/Ag-0	AtMSQTsnp 267			CT	67	AtMSQTsnp 267			C

3.194 row id1=(8252, 1) (Alc-0) vs row id2=315

Table 259: row id1=(8252, 1) (Alc-0) vs row id2=315

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	

	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	10	0	0	0	0	0	0	0	0	0	0	0	0	0
A	40	0	0	0	0	0	0	0	0	0	0	0	0	0
C	22	0	0	0	0	0	0	0	0	0	0	0	0	0
G	40	0	0	0	0	1	0	0	0	0	0	0	0	0
T	34	0	1	0	0	0	1	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.195 row id1=(8253, 1) (An-1) vs row id2=63

Table 260: row id1=(8253, 1) (An-1) vs row id2=63

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	1	1	2	1	2	0	0	0	0	0	0	
A	1	0	2	46	0	0	0	0	0	0	0	0	0	
C	0	0	0	0	31	0	0	0	0	0	0	0	0	
G	0	0	0	0	0	27	0	0	0	0	0	0	0	
T	0	0	0	0	0	0	35	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.196 row id1=(8254, 1) (Ang-0) vs row id2=303

Table 261: row id1=(8254, 1) (Ang-0) vs row id2=303

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	3	0	0	0	0	0	0	0	0	0	0	0	0	
A	33	0	0	0	0	0	0	0	0	0	0	0	0	
C	37	0	0	0	1	0	0	0	0	0	0	0	0	
G	40	0	0	0	0	2	0	0	0	0	0	0	0	
T	33	0	0	0	0	0	0	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.197 row id1=(8256, 1) (B2) vs row id2=357

Table 262: row id1=(8256, 1) (B2) vs row id2=357

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	3	0	0	0	0	0	0	0	0	0	0	0	0	
A	34	0	0	0	0	0	0	0	0	0	0	0	0	
C	29	0	0	0	1	0	0	0	0	0	0	0	0	
G	44	0	1	0	0	1	0	0	0	0	0	0	0	
T	36	0	0	0	0	0	0	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.198 row id1=(8257, 1) (B3) vs row id2=358

Table 263: row id1=(8257, 1) (B3) vs row id2=358

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	0	0	0	0	0	0	0	0	0	0	0
A	36	0	0	0	0	0	0	0	0	0	0	0	0
C	32	0	0	0	1	0	0	0	0	0	0	0	0
G	40	0	0	0	0	2	0	0	0	0	0	0	0
T	34	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.199 row id1=(8258, 1) (B1) vs row id2=359

Table 264: row id1=(8258, 1) (B1) vs row id2=359

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	0	0	0	0	0	0	0	0	0	0	0
A	41	0	0	0	0	0	0	0	0	0	0	0	0
C	32	0	1	0	0	0	0	0	0	0	0	0	0
G	37	0	0	0	0	2	0	0	0	0	0	0	0
T	33	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.200 row id1=(8259, 1) (B1) vs row id2=360

Table 265: row id1=(8259, 1) (B1) vs row id2=360

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	0	0	0	0	0	0	0	0	0	0	0
A	41	0	0	0	0	0	0	0	0	0	0	0	0
C	31	0	1	0	0	0	0	0	0	0	0	0	0
G	37	0	1	0	0	1	0	0	0	0	0	0	0
T	32	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.201 row id1=(8260, 1) (Bay-0) vs row id2=70

Table 266: row id1=(8260, 1) (Bay-0) vs row id2=70

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	3	2	1	1	0	0	0	0	0	0
A	0	0	2	43	0	0	0	0	0	0	0	0	0

C	0	0	0	0	32	0	0	0	0	0	0	0	0
G	1	0	0	0	0	33	0	0	0	0	0	0	0
T	0	0	1	0	0	0	29	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.202 row id1=(8261, 1) (Bg-2) vs row id2=299

Table 267: row id1=(8261, 1) (Bg-2) vs row id2=299

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	0	0	0	0	0	0	0	0	0	0	0
A	36	0	0	0	0	0	0	0	0	0	0	0	0
C	33	0	0	0	0	0	0	0	0	0	0	0	0
G	44	0	0	0	0	1	0	0	0	0	0	0	0
T	29	0	1	0	0	0	1	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.203 row id1=(8262, 1) (Bil-5) vs row id2=15

Table 268: row id1=(8262, 1) (Bil-5) vs row id2=15

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	2	0	1	1	0	0	0	0	0	0
A	0	0	3	37	0	0	0	0	0	0	0	0	0
C	0	0	1	0	25	0	0	0	0	0	0	0	0
G	0	0	2	0	0	41	0	0	0	0	0	0	0
T	1	0	0	0	0	0	35	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.204 row id1=(8263, 1) (Bil-7) vs row id2=16

Table 269: row id1=(8263, 1) (Bil-7) vs row id2=16

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	0	0	0	1	0	0	0	0	0	0
A	0	0	1	40	0	0	0	0	0	0	0	0	0
C	0	0	1	0	25	0	0	0	0	0	0	0	0
G	0	0	1	1	0	42	0	0	0	0	0	0	0
T	0	0	1	0	0	0	35	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 270: detailed difference for row id1=(8263, 1) (Bil-7) vs row id2=16

row id1	col id1	call1	row id2	col id2	call2
(8263, 1)/Bil-7	AtMSQTsnp 370	G	16	AtMSQTsnp 370	A

3.205 row id1=(8264, 1) (Bla-1) vs row id2=316

Table 271: row id1=(8264, 1) (Bla-1) vs row id2=316

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	0	0	0	0	0	0	0	0	0	0	0
A	42	0	0	1	0	0	0	0	0	0	0	0	0
C	30	0	0	0	0	0	0	0	0	0	0	0	0
G	42	0	0	0	0	0	0	0	0	0	0	0	0
T	27	0	1	0	0	0	1	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.206 row id1=(8265, 1) (Blh-1) vs row id2=317

Table 272: row id1=(8265, 1) (Blh-1) vs row id2=317

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	0	0	0	0	0	0	0	0	0	0	0
A	44	0	0	1	0	0	0	0	0	0	0	0	0
C	29	0	0	0	1	0	0	0	0	0	0	0	0
G	34	0	0	0	0	1	0	0	0	0	0	0	0
T	35	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.207 row id1=(8268, 1) (Bor-4) vs row id2=28

Table 273: row id1=(8268, 1) (Bor-4) vs row id2=28

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	0	1	2	0	0	0	0	0	0
A	0	0	0	41	0	0	0	0	0	0	0	0	0
C	0	0	2	0	26	0	0	0	0	0	0	0	0
G	0	0	1	0	0	39	0	0	0	0	0	0	0
T	1	0	2	0	0	0	34	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.208 row id1=(8269, 1) (Br-0) vs row id2=65

Table 274: row id1=(8269, 1) (Br-0) vs row id2=65

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	0	4	2	1	1	0	0	0	0	0	0	
A	0	0	0	38	0	0	0	0	0	0	0	0	0	
C	0	0	2	0	33	0	0	0	0	0	0	0	0	
G	0	0	1	0	0	36	0	0	0	0	0	0	0	
T	1	0	2	0	0	0	27	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	1	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 275: detailed difference for row id1=(8269, 1) (Br-0) vs row id2=65

row id1	col id1	call1	row id2	col id2	call2
(8269, 1)/Br-0	AtMSQTsnp 267	CT	65	AtMSQTsnp 267	C

3.209 row id1=(8270, 1) (Bs-1) vs row id2=318

Table 276: row id1=(8270, 1) (Bs-1) vs row id2=318

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	3	0	0	0	0	0	0	0	0	0	0	0	0	
A	47	0	0	0	0	0	0	0	0	0	0	0	0	
C	34	0	0	0	0	0	0	0	0	0	0	0	0	
G	34	0	0	0	0	2	0	0	0	0	0	0	0	
T	28	0	0	0	0	0	1	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.210 row id1=(8271, 1) (Bu-0) vs row id2=305

Table 277: row id1=(8271, 1) (Bu-0) vs row id2=305

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	3	0	0	0	0	0	0	0	0	0	0	0	0	
A	42	0	0	1	0	0	0	0	0	0	0	0	0	
C	32	0	0	0	0	0	0	0	0	0	0	0	0	
G	36	0	0	0	0	0	0	0	0	0	0	0	0	
T	33	0	1	0	0	0	1	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.211 row id1=(8272, 1) (Bur-0) vs row id2=93

Table 278: row id1=(8272, 1) (Bur-0) vs row id2=93

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0

NA	0	0	1	1	1	0	3	0	0	0	0	0	0
A	0	0	0	41	0	0	0	0	0	0	0	0	0
C	2	0	1	0	28	0	0	0	0	0	0	0	0
G	1	0	3	0	0	34	0	0	0	0	0	0	0
T	2	0	0	0	0	0	31	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.212 row id1=(8273, 1) (C24) vs row id2=57

Table 279: row id1=(8273, 1) (C24) vs row id2=57

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	1	1	2	2	0	0	0	0	0	0
A	0	0	1	40	0	0	0	0	0	0	0	0	0
C	0	0	1	0	32	0	0	0	0	0	0	0	0
G	1	0	1	0	0	31	0	0	0	0	0	0	0
T	2	0	1	0	0	0	31	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	1	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 280: detailed difference for row id1=(8273, 1) (C24) vs row id2=57

row id1	col id1	call1	row id2	col id2	call2
(8273, 1)/C24	AtMSQTsnp 138	CT	57	AtMSQTsnp 138	C

3.213 row id1=(8274, 1) (Can-0) vs row id2=319

Table 281: row id1=(8274, 1) (Can-0) vs row id2=319

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	5	0	0	0	0	0	0	0	0	0	0	0	0
A	43	0	0	0	0	0	0	0	0	0	0	0	0
C	27	0	0	0	0	0	0	0	0	0	0	0	0
G	39	0	0	0	0	1	0	0	0	0	0	0	0
T	30	0	0	0	0	0	2	0	0	0	0	0	0
AC	1	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.214 row id1=(8275, 1) (Cen-0) vs row id2=320

Table 282: row id1=(8275, 1) (Cen-0) vs row id2=320

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	7	0	0	0	0	0	0	0	0	0	0	0	0
A	38	0	0	0	0	0	0	0	0	0	0	0	0
C	33	0	0	0	1	0	0	0	0	0	0	0	0
G	38	0	0	0	0	1	0	0	0	0	0	0	0

T	30	0	0	0	0	0	0	1	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.215 row id1=(8276, 1) (CIBC-17) vs row id2=40

Table 283: row id1=(8276, 1) (CIBC-17) vs row id2=40

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	0	0	0	1	2	0	0	0	0	0	0	
A	0	0	0	42	1	3	0	0	0	0	0	0	0	
C	0	0	2	0	28	0	1	0	0	0	0	0	0	
G	0	0	2	1	0	34	0	0	0	0	0	0	0	
T	1	0	0	1	1	1	27	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	1	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 284: detailed difference for row id1=(8276, 1) (CIBC-17) vs row id2=40

row id1	col id1	call1	row id2	col id2	call2
(8276, 1)/CIBC-17	AtMSQTsnp 114	A	40	AtMSQTsnp 114	G
(8276, 1)/CIBC-17	AtMSQTsnp 159	T	40	AtMSQTsnp 159	C
(8276, 1)/CIBC-17	AtMSQTsnp 223	A	40	AtMSQTsnp 223	G
(8276, 1)/CIBC-17	AtMSQTsnp 244	A	40	AtMSQTsnp 244	G
(8276, 1)/CIBC-17	AtMSQTsnp 267	CT	40	AtMSQTsnp 267	C
(8276, 1)/CIBC-17	AtMSQTsnp 307	T	40	AtMSQTsnp 307	A
(8276, 1)/CIBC-17	AtMSQTsnp 321	A	40	AtMSQTsnp 321	C
(8276, 1)/CIBC-17	AtMSQTsnp 327	T	40	AtMSQTsnp 327	G
(8276, 1)/CIBC-17	AtMSQTsnp 334	C	40	AtMSQTsnp 334	T
(8276, 1)/CIBC-17	AtMSQTsnp 415	G	40	AtMSQTsnp 415	A

3.216 row id1=(8277, 1) (CIBC-5) vs row id2=39

Table 285: row id1=(8277, 1) (CIBC-5) vs row id2=39

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	0	1	2	2	1	0	0	0	0	0	0	
A	0	0	1	33	0	0	1	0	0	0	0	0	0	
C	0	0	1	1	29	1	0	0	0	0	0	0	0	
G	0	0	1	2	0	41	0	0	0	0	0	0	0	
T	0	0	0	0	2	0	29	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	1	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 286: detailed difference for row id1=(8277, 1) (CIBC-5) vs row id2=39

row id1	col id1	call1	row id2	col id2	call2
(8277, 1)/CIBC-5	AtMSQTsnp 138	CT	39	AtMSQTsnp 138	C
(8277, 1)/CIBC-5	AtMSQTsnp 223	G	39	AtMSQTsnp 223	A
(8277, 1)/CIBC-5	AtMSQTsnp 244	G	39	AtMSQTsnp 244	A
(8277, 1)/CIBC-5	AtMSQTsnp 304	T	39	AtMSQTsnp 304	C

(8277, 1)/CIBC-5	AtMSQTsnp 306	C	39	AtMSQTsnp 306	G
(8277, 1)/CIBC-5	AtMSQTsnp 307	A	39	AtMSQTsnp 307	T
(8277, 1)/CIBC-5	AtMSQTsnp 321	C	39	AtMSQTsnp 321	A
(8277, 1)/CIBC-5	AtMSQTsnp 334	T	39	AtMSQTsnp 334	C

3.217 row id1=(8278, 1) () vs row id2=321

Table 287: row id1=(8278, 1) () vs row id2=321

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	37	0	1	0	0	0	1	0	0	0	0	0	0
A	43	0	0	0	0	0	0	0	0	0	0	0	0
C	23	0	0	0	0	0	0	0	0	0	0	0	0
G	25	0	0	0	0	0	0	0	0	0	0	0	0
T	17	0	1	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.218 row id1=(8279, 1) (Col-0) vs row id2=62

Table 288: row id1=(8279, 1) (Col-0) vs row id2=62

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	2	1	1	3	0	0	0	0	0	0
A	0	0	0	44	0	0	0	0	0	0	0	0	0
C	0	0	0	0	32	0	0	0	0	0	0	0	0
G	0	0	0	0	0	34	0	0	0	0	0	0	0
T	0	0	1	0	0	0	31	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.219 row id1=(8280, 1) (Ct-1) vs row id2=76

Table 289: row id1=(8280, 1) (Ct-1) vs row id2=76

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	1	0	1	2	0	0	0	0	0	0
A	0	0	2	37	0	0	0	0	0	0	0	0	0
C	0	0	4	0	32	0	2	0	0	0	0	0	0
G	0	0	1	0	0	40	0	0	0	0	0	0	0
T	0	0	0	0	0	0	26	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 290: detailed difference for row id1=(8280, 1) (Ct-1) vs row id2=76

row id1	col id1	call1	row id2	col id2	call2
(8280, 1)/Ct-1	AtMSQTsnp 156	C	76	AtMSQTsnp 156	T
(8280, 1)/Ct-1	AtMSQTsnp 292	C	76	AtMSQTsnp 292	T

3.220 row id1=(8281, 1) (Cvi-0) vs row id2=51

Table 291: row id1=(8281, 1) (Cvi-0) vs row id2=51

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	1	2	1	0	0	0	0	0	0	0
A	0	1	1	33	0	0	0	0	0	0	0	0	0
C	0	0	4	0	33	0	0	0	0	0	0	0	0
G	0	0	2	0	0	42	0	0	0	0	0	0	0
T	0	0	1	0	0	0	28	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.221 row id1=(8283, 1) (Dra3-1) vs row id2=361

Table 292: row id1=(8283, 1) (Dra3-1) vs row id2=361

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	0	0	0	0	0	0	0	0	0	0	0
A	32	0	1	0	0	0	0	0	0	0	0	0	0
C	35	0	0	0	1	0	0	0	0	0	0	0	0
G	44	0	0	0	0	1	0	0	0	0	0	0	0
T	28	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	3	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.222 row id1=(8284, 1) (DraII-1) vs row id2=381

Table 293: row id1=(8284, 1) (DraII-1) vs row id2=381

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	2	0	0	0	0	0	0	0	0	0	0	0	0
A	30	0	0	0	0	0	0	0	1	0	0	0	0
C	32	0	0	0	0	0	0	0	0	0	0	0	0
G	40	0	0	0	0	0	1	0	0	0	0	0	0
T	34	0	0	0	0	0	0	0	0	0	0	1	0
AC	1	0	0	0	0	0	0	0	0	0	0	0	0
AG	3	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	3	0	0	0	0	0	0	0	0	0	0	0	0
GT	1	0	0	0	0	0	0	0	0	0	0	0	0

Table 294: detailed difference for row id1=(8284, 1) (DraII-1) vs row id2=381

row id1	col id1	call1	row id2	col id2	call2
(8284, 1)/DraII-1	AtMSQTsnp 274	G	381	AtMSQTsnp 274	T
(8284, 1)/DraII-1	AtMSQTsnp 278	A	381	AtMSQTsnp 278	AG
(8284, 1)/DraII-1	AtMSQTsnp 279	T	381	AtMSQTsnp 279	CT

3.223 row id1=(8285, 1) (DraIII-1) vs row id2=382

Table 295: row id1=(8285, 1) (DraIII-1) vs row id2=382

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	6	0	0	0	0	0	0	0	0	0	0	0	0
A	38	0	0	1	0	0	0	0	0	0	0	0	0
C	34	0	0	0	0	0	0	0	0	0	0	0	0
G	35	0	0	0	0	0	0	0	0	0	0	0	0
T	32	0	0	0	0	0	2	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.224 row id1=(8287, 1) (Eden-2) vs row id2=10

Table 296: row id1=(8287, 1) (Eden-2) vs row id2=10

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	0	1	3	2	1	0	0	0	0	0	0
A	1	0	2	34	0	0	0	0	0	0	0	0	0
C	0	0	3	0	24	0	0	0	0	0	0	0	0
G	0	0	5	0	0	30	0	0	0	0	0	0	0
T	1	0	4	0	0	0	37	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.225 row id1=(8288, 1) (Edi-0) vs row id2=94

Table 297: row id1=(8288, 1) (Edi-0) vs row id2=94

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	1	1	1	2	0	0	0	0	0	0
A	1	0	4	40	0	0	0	0	0	0	0	0	0
C	0	0	1	0	25	0	0	0	0	0	0	0	0
G	0	0	0	0	0	37	0	0	0	0	0	0	0
T	1	0	0	0	0	0	34	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.226 row id1=(8289, 1) (Ei-2) vs row id2=53

Table 298: row id1=(8289, 1) (Ei-2) vs row id2=53

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	1	0	0	1	1	1	1	0	0	0	0	0	0
A	0	0	0	38	0	0	0	0	0	0	0	0	0
C	0	0	4	0	34	0	0	0	0	0	0	0	0
G	0	0	2	0	0	39	0	0	0	0	0	0	0
T	0	0	0	0	0	0	27	0	0	0	0	0	0

AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.227 row id1=(8290, 1) (En-1) vs row id2=301

Table 299: row id1=(8290, 1) (En-1) vs row id2=301

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	0	0	0	0	0	0	0	0	0	0	0
A	40	0	0	0	0	0	0	0	0	0	0	0	0
C	38	0	0	0	0	0	0	0	0	0	0	0	0
G	40	0	0	0	0	2	0	0	0	0	0	0	0
T	25	0	0	0	0	0	1	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.228 row id1=(8291, 1) (Est-1) vs row id2=66

Table 300: row id1=(8291, 1) (Est-1) vs row id2=66

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	3	1	0	2	0	0	0	0	0	0
A	1	0	2	35	1	0	0	0	0	0	0	0	0
C	0	0	2	0	30	0	0	0	0	0	0	0	0
G	0	0	3	0	0	32	0	0	0	0	0	0	0
T	0	0	2	0	0	0	34	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 301: detailed difference for row id1=(8291, 1) (Est-1) vs row id2=66

row id1	col id1	call1	row id2	col id2	call2
(8291, 1)/Est-1	AtMSQTsnp 164	A	66	AtMSQTsnp 164	C

3.229 row id1=(8292, 1) (F2) vs row id2=13

Table 302: row id1=(8292, 1) (F2) vs row id2=13

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	1	2	1	0	0	0	0	0	0
A	0	0	5	38	0	0	0	0	0	0	0	0	0
C	0	0	2	0	31	0	0	0	0	0	0	0	0
G	0	0	1	0	0	32	0	0	0	0	0	0	0
T	0	0	0	0	0	0	36	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0

CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.230 row id1=(8293, 1) (F4) vs row id2=14

Table 303: row id1=(8293, 1) (F4) vs row id2=14

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	0	1	1	0	0	0	0	0	0
A	0	0	2	44	0	0	1	0	0	0	0	0	0
C	0	0	2	0	29	0	0	0	0	0	1	0	0
G	0	0	1	0	0	35	0	0	0	0	0	0	0
T	0	0	0	0	0	0	31	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	1	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 304: detailed difference for row id1=(8293, 1) (F4) vs row id2=14

row id1	col id1	call1	row id2	col id2	call2
(8293, 1)/F4	AtMSQTsnp 307	A	14	AtMSQTsnp 307	T
(8293, 1)/F4	AtMSQTsnp 97	C	14	AtMSQTsnp 97	CG

3.231 row id1=(8294, 1) (Fei-0) vs row id2=82

Table 305: row id1=(8294, 1) (Fei-0) vs row id2=82

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	2	2	2	2	0	0	0	0	0	0	0
A	1	0	5	38	0	0	0	0	0	0	0	0	0
C	0	0	5	0	29	0	0	0	0	0	0	0	0
G	0	0	0	0	0	33	0	0	1	0	0	0	0
T	1	0	3	0	0	0	25	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 306: detailed difference for row id1=(8294, 1) (Fei-0) vs row id2=82

row id1	col id1	call1	row id2	col id2	call2
(8294, 1)/Fei-0	AtMSQTsnp 223	G	82	AtMSQTsnp 223	AG

3.232 row id1=(8295, 1) (Ga-0) vs row id2=71

Table 307: row id1=(8295, 1) (Ga-0) vs row id2=71

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	2	1	0	2	0	0	0	0	0	0
A	0	0	1	38	0	0	0	0	0	0	0	0	0
C	0	0	4	0	24	0	0	0	0	0	0	0	0
G	0	0	2	0	0	34	0	0	0	0	0	0	0

T	2	1	2	0	0	0	35	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.233 row id1=(8296, 1) (Gd-1) vs row id2=306

Table 308: row id1=(8296, 1) (Gd-1) vs row id2=306

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	0	0	0	0	0	0	0	0	0	0	0
A	34	0	0	1	0	0	0	0	0	0	0	0	0
C	24	0	0	0	0	0	0	0	0	0	0	0	0
G	48	0	0	0	0	1	0	0	0	0	0	0	0
T	36	0	0	0	0	0	1	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.234 row id1=(8297, 1) (Ge-0) vs row id2=322

Table 309: row id1=(8297, 1) (Ge-0) vs row id2=322

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	0	0	0	0	0	0	0	0	0	0	0
A	37	0	0	0	0	0	0	0	0	0	0	0	0
C	41	0	0	0	0	0	0	0	0	0	0	0	0
G	38	0	0	0	0	1	0	0	0	0	0	0	0
T	25	0	0	0	0	0	2	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.235 row id1=(8298, 1) (Got-22) vs row id2=46

Table 310: row id1=(8298, 1) (Got-22) vs row id2=46

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	1	1	1	2	0	0	0	0	0	0
A	0	0	2	43	0	0	0	0	0	0	0	0	0
C	0	0	1	0	24	0	0	0	0	0	0	0	0
G	0	0	1	0	0	36	0	0	0	0	1	0	0
T	0	0	0	0	0	0	35	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	1	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 311: detailed difference for row id1=(8298, 1) (Got-22) vs row id2=46

row id1	col id1	call1	row id2	col id2	call2
(8298, 1)/Got-22	AtMSQTsnp 267	CT	46	AtMSQTsnp 267	C
(8298, 1)/Got-22	AtMSQTsnp 306	G	46	AtMSQTsnp 306	CG

3.236 row id1=(8299, 1) (Got-7) vs row id2=45

Table 312: row id1=(8299, 1) (Got-7) vs row id2=45

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	2	0	1	3	0	0	0	0	0	0
A	0	0	0	44	0	0	0	0	0	0	0	0	0
C	0	0	0	0	26	0	0	0	0	0	0	0	0
G	1	0	1	0	0	36	0	0	0	0	0	0	0
T	0	0	1	0	0	0	33	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	1	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 313: detailed difference for row id1=(8299, 1) (Got-7) vs row id2=45

row id1	col id1	call1	row id2	col id2	call2
(8299, 1)/Got-7	AtMSQTsnp 267	CT	45	AtMSQTsnp 267	C

3.237 row id1=(8300, 1) (Gr-1) vs row id2=302

Table 314: row id1=(8300, 1) (Gr-1) vs row id2=302

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	10	0	0	1	0	0	0	0	0	0	0	0	0	
A	33	0	0	0	0	0	0	0	0	0	0	0	0	
C	23	0	0	0	1	0	0	0	0	0	0	0	0	
G	37	0	0	0	0	0	0	0	0	0	0	0	0	
T	42	0	0	0	0	0	1	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	1	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.238 row id1=(8301, 1) (Gu-0) vs row id2=54

Table 315: row id1=(8301, 1) (Gu-0) vs row id2=54

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	1	1	2	0	0	0	0	0	0
A	0	0	1	34	0	0	0	0	0	0	0	0	0
C	0	0	1	0	38	0	0	0	0	0	0	0	0
G	0	0	1	0	0	42	0	0	0	0	0	0	0
T	0	0	0	0	0	0	28	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.239 row id1=(8302, 1) (Gy-0) vs row id2=68

Table 316: row id1=(8302, 1) (Gy-0) vs row id2=68

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	1	3	3	0	0	0	0	0	0	0
A	0	0	0	44	1	0	0	0	0	0	0	0	0
C	1	0	1	0	26	0	0	0	0	0	0	0	0
G	0	0	0	0	0	35	0	0	0	0	0	0	0
T	0	0	1	0	0	0	33	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 317: detailed difference for row id1=(8302, 1) (Gy-0) vs row id2=68

row id1	col id1	call1	row id2	col id2	call2
(8302, 1)/Gy-0	AtMSQTsnp 164	A	68	AtMSQTsnp 164	C

3.240 row id1=(8303, 1) (H55) vs row id2=323

Table 318: row id1=(8303, 1) (H55) vs row id2=323

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	9	0	0	0	0	1	0	0	0	0	0	0	0
A	39	0	0	0	0	0	0	0	0	0	0	0	0
C	32	0	0	0	1	0	0	0	0	0	0	0	0
G	37	0	0	0	0	1	0	0	0	0	0	0	0
T	29	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.241 row id1=(8304, 1) (Hi-0) vs row id2=307

Table 319: row id1=(8304, 1) (Hi-0) vs row id2=307

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	5	0	0	0	0	0	0	0	0	0	0	0	0
A	36	0	1	0	0	0	0	0	0	0	0	0	0
C	39	0	0	0	0	0	0	0	0	0	0	0	0
G	38	0	0	0	0	1	0	0	0	0	0	0	0
T	28	0	1	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.242 row id1=(8306, 1) (Hov4-1) vs row id2=348

Table 320: row id1=(8306, 1) (Hov4-1) vs row id2=348

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	0	0	0	0	0	0	0	0	0	0	0
A	33	0	0	0	0	0	0	0	0	0	0	0	0
C	33	0	1	0	0	0	0	0	0	0	0	0	0
G	40	0	0	0	0	2	0	0	0	0	0	0	0
T	37	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.243 row id1=(8308, 1) (HR-10) vs row id2=34

Table 321: row id1=(8308, 1) (HR-10) vs row id2=34

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	1	2	3	1	0	0	0	0	0	0
A	0	0	1	36	0	0	0	0	0	0	0	0	0
C	1	0	2	0	32	0	0	0	0	0	0	0	0
G	0	0	1	0	0	39	0	0	0	0	0	0	0
T	1	0	0	0	0	0	28	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.244 row id1=(8309, 1) (HR-5) vs row id2=33

Table 322: row id1=(8309, 1) (HR-5) vs row id2=33

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	0	3	3	0	0	0	0	0	0	0
A	0	0	0	41	0	0	0	0	1	0	0	0	0
C	0	0	2	0	37	0	0	0	0	0	0	0	0
G	0	0	0	0	0	29	0	0	0	0	0	0	0
T	0	0	1	0	0	0	31	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 323: detailed difference for row id1=(8309, 1) (HR-5) vs row id2=33

row id1	col id1	call1	row id2	col id2	call2
(8309, 1)/HR-5	AtMSQTsnp 114	A	33	AtMSQTsnp 114	AG

3.245 row id1=(8310, 1) () vs row id2=308

Table 324: row id1=(8310, 1) () vs row id2=308

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT

	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	26	0	0	0	0	0	2	0	0	0	0	0	0	0
A	27	0	0	0	0	0	0	0	0	0	0	0	0	0
C	24	0	0	0	0	0	0	0	0	0	0	0	0	0
G	42	0	0	0	0	0	0	0	0	0	0	0	0	0
T	27	0	1	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.246 row id1=(8311, 1) (In-0) vs row id2=324

Table 325: row id1=(8311, 1) (In-0) vs row id2=324

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	3	0	0	0	0	0	0	0	0	0	0	0	0	
A	33	0	0	1	0	0	0	0	0	0	0	0	0	
C	32	0	0	0	0	0	0	0	0	0	0	0	0	
G	41	0	0	0	0	0	0	0	0	0	0	0	0	
T	36	0	1	0	0	0	1	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	1	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.247 row id1=(8312, 1) (Is-0) vs row id2=309

Table 326: row id1=(8312, 1) (Is-0) vs row id2=309

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	5	0	0	0	0	0	0	0	0	0	0	0	0	
A	33	0	0	0	0	0	0	0	0	0	0	0	0	
C	36	0	1	0	0	0	0	0	0	0	0	0	0	
G	40	0	0	0	0	1	0	0	0	0	0	0	0	
T	32	0	0	0	0	0	1	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.248 row id1=(8313, 1) (Jm-0) vs row id2=310

Table 327: row id1=(8313, 1) (Jm-0) vs row id2=310

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	6	0	0	0	0	0	0	0	0	0	0	0	0	
A	36	0	0	0	0	0	0	0	0	0	0	0	0	
C	36	0	0	0	0	0	0	0	0	0	0	0	0	
G	39	0	0	0	0	1	0	0	0	0	0	0	0	
T	29	0	0	0	0	0	2	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.249 row id1=(8314, 1) (Ka-0) vs row id2=311

Table 328: row id1=(8314, 1) (Ka-0) vs row id2=311

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	5	0	0	0	0	0	0	0	0	0	0	0	0
A	34	0	0	1	0	0	0	0	0	0	0	0	0
C	31	0	0	0	1	0	0	0	0	0	0	0	0
G	43	0	0	0	0	0	0	0	0	0	0	0	0
T	33	0	0	0	0	0	1	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.250 row id1=(8316, 1) (Kin-0) vs row id2=91

Table 329: row id1=(8316, 1) (Kin-0) vs row id2=91

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	2	1	2	1	0	0	0	0	0	0	0
A	0	0	2	35	0	0	0	0	0	0	0	0	0
C	1	0	5	0	25	0	0	0	0	0	0	0	0
G	2	0	3	0	0	39	0	0	0	0	0	0	0
T	0	0	1	0	0	0	29	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	1	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 330: detailed difference for row id1=(8316, 1) (Kin-0) vs row id2=91

row id1	col id1	call1	row id2	col id2	call2
(8316, 1)/Kin-0	AtMSQTsnp 138	CT	91	AtMSQTsnp 138	C

3.251 row id1=(8317, 1) (Kno-10) vs row id2=3

Table 331: row id1=(8317, 1) (Kno-10) vs row id2=3

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	1	0	1	0	0	0	0	0	0
A	1	0	2	42	0	0	0	0	0	0	0	0	0
C	3	0	0	0	21	1	0	0	0	0	0	0	0
G	1	0	3	0	0	35	0	0	0	0	0	0	0
T	2	0	5	0	0	0	30	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 332: detailed difference for row id1=(8317, 1) (Kno-10) vs row id2=3

row id1	col id1	call1	row id2	col id2	call2
(8317, 1)/Kno-10	AtMSQTsnp 378	C	3	AtMSQTsnp 378	G

3.252 row id1=(8318, 1) (Kno-18) vs row id2=4

Table 333: row id1=(8318, 1) (Kno-18) vs row id2=4

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	0	1	2	1	2	0	0	0	0	0	0	
A	0	0	4	37	0	0	0	0	0	0	0	0	0	
C	1	0	1	0	24	0	0	0	0	0	0	0	0	
G	3	0	2	0	0	36	0	0	0	0	0	0	0	
T	1	0	2	0	0	0	32	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.253 row id1=(8319, 1) (Kondara) vs row id2=88

Table 334: row id1=(8319, 1) (Kondara) vs row id2=88

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	1	0	0	1	0	1	0	0	0	0	0	0	
A	1	0	3	41	0	0	0	0	0	0	0	0	0	
C	0	0	0	0	34	0	0	0	0	0	0	0	0	
G	0	0	2	1	0	30	0	0	0	0	0	0	0	
T	1	0	1	0	0	0	32	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 335: detailed difference for row id1=(8319, 1) (Kondara) vs row id2=88

row id1	col id1	call1	row id2	col id2	call2
(8319, 1)/Kondara	AtMSQTsnp 114	G	88	AtMSQTsnp 114	A

3.254 row id1=(8320, 1) (Kz-1) vs row id2=43

Table 336: row id1=(8320, 1) (Kz-1) vs row id2=43

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	1	0	2	0	2	0	0	0	0	0	0	
A	0	0	4	39	0	0	0	0	0	0	0	0	0	
C	0	0	4	0	29	0	1	0	0	0	0	0	0	
G	0	0	1	0	0	34	0	0	0	0	0	0	0	
T	0	0	1	0	0	0	31	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	

GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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Table 337: detailed difference for row id1=(8320, 1) (Kz-1) vs row id2=43

row id1	col id1	call1	row id2	col id2	call2
(8320, 1)/Kz-1	AtMSQTsnp 15	C	43	AtMSQTsnp 15	T

3.255 row id1=(8321, 1) (Kz-13) vs row id2=298

Table 338: row id1=(8321, 1) (Kz-13) vs row id2=298

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	0	0	0	0	0	0	0	0	0	0	0
A	29	0	0	0	0	0	0	0	0	0	0	0	0
C	23	0	0	0	1	0	0	0	0	0	0	0	0
G	31	0	0	0	0	1	0	0	0	0	0	0	0
T	20	0	0	0	0	0	1	0	0	0	0	0	0
AC	4	0	0	0	0	0	0	0	0	0	0	0	0
AG	10	0	0	0	0	0	0	0	0	0	0	0	0
AT	5	0	0	0	0	0	0	0	0	0	0	0	0
CG	3	0	0	0	0	0	0	0	0	0	0	0	0
CT	14	0	0	0	0	0	0	0	0	0	0	0	0
GT	4	0	0	0	0	0	0	0	0	0	0	0	0

3.256 row id1=(8322, 1) (Kz-9) vs row id2=44

Table 339: row id1=(8322, 1) (Kz-9) vs row id2=44

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	1	0	1	2	1	0	0	0	0	0	0
A	1	0	2	35	0	0	0	0	0	0	0	0	0
C	1	0	0	0	36	0	0	0	0	0	0	0	0
G	0	0	0	0	0	35	0	0	0	0	0	0	0
T	0	0	2	0	0	0	30	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.257 row id1=(8323, 1) (Lc-0) vs row id2=325

Table 340: row id1=(8323, 1) (Lc-0) vs row id2=325

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	0	0	0	0	0	0	0	0	0	0	0
A	38	0	0	0	0	0	0	0	0	0	0	0	0
C	30	0	0	0	0	0	0	0	0	0	0	0	0
G	43	0	0	0	0	2	0	0	0	0	0	0	0
T	31	0	0	0	0	0	1	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.258 row id1=(8324, 1) (Ler-1) vs row id2=55

Table 341: row id1=(8324, 1) (Ler-1) vs row id2=55

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	1	1	0	1	2	0	0	0	0	0	0	
A	0	0	0	42	0	0	0	0	0	0	0	0	0	
C	0	0	1	0	26	0	1	0	0	0	0	0	0	
G	0	0	1	0	0	41	0	0	0	0	0	0	0	
T	0	0	1	0	0	0	31	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 342: detailed difference for row id1=(8324, 1) (Ler-1) vs row id2=55

row id1	col id1	call1	row id2	col id2	call2
(8324, 1)/Ler-1	AtMSQTsnp 159	C	55	AtMSQTsnp 159	T

3.259 row id1=(8325, 1) (Lip-0) vs row id2=326

Table 343: row id1=(8325, 1) (Lip-0) vs row id2=326

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	6	0	0	0	0	0	0	0	0	0	0	0	0
A	35	0	0	0	0	0	0	0	0	0	0	0	0
C	37	0	0	0	1	0	0	0	0	0	0	0	0
G	37	0	0	0	0	1	0	0	0	0	0	0	0
T	30	0	0	0	0	0	1	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.260 row id1=(8326, 1) (Lis-1) vs row id2=365

Table 344: row id1=(8326, 1) (Lis-1) vs row id2=365

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	3	0	0	0	0	0	0	0	0	0	0	0	0	
A	32	0	0	0	0	0	0	0	0	0	0	0	0	
C	28	0	0	0	0	0	0	0	0	0	0	0	0	
G	48	0	1	0	0	1	0	0	0	0	0	0	0	
T	34	0	0	0	0	0	1	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	1	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.261 row id1=(8328, 1) (LL-0) vs row id2=87

Table 345: row id1=(8328, 1) (LL-0) vs row id2=87

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	2	2	1	3	1	0	0	0	0	0	0	
A	0	0	1	32	0	0	0	0	0	0	0	0	0	
C	0	0	2	0	32	0	0	0	0	0	0	0	0	
G	0	0	1	0	0	37	0	0	0	0	0	0	0	
T	0	0	1	0	0	0	33	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	1	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.262 row id1=(8329, 1) (Lm-2) vs row id2=327

Table 346: row id1=(8329, 1) (Lm-2) vs row id2=327

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	4	0	0	0	0	0	0	0	0	0	0	0	0	
A	51	0	0	0	0	0	0	0	0	0	0	0	0	
C	31	0	0	0	0	0	0	0	0	0	0	0	0	
G	27	0	0	0	0	2	0	0	0	0	0	0	0	
T	33	0	0	0	0	0	1	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.263 row id1=(8332, 1) (Lp2-2) vs row id2=31

Table 347: row id1=(8332, 1) (Lp2-2) vs row id2=31

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	1	1	0	3	1	0	0	0	0	0	0	
A	0	0	0	33	0	0	0	0	0	0	0	0	0	
C	0	0	0	0	37	0	0	0	0	0	0	0	0	
G	0	0	2	0	0	37	0	0	0	0	0	0	0	
T	1	0	1	0	0	0	32	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.264 row id1=(8333, 1) (Lp2-6) vs row id2=32

Table 348: row id1=(8333, 1) (Lp2-6) vs row id2=32

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	2	0	0	0	2	0	0	0	0	0	0
A	0	0	0	40	0	0	0	0	0	0	0	0	0
C	0	0	1	0	35	0	0	0	0	0	0	0	0
G	1	0	1	0	0	33	0	0	0	0	0	0	0
T	1	0	2	0	0	0	31	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0

CG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.265 row id1=(8334, 1) (Lu-1) vs row id2=328

Table 349: row id1=(8334, 1) (Lu-1) vs row id2=328

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	5	0	0	0	0	0	0	0	0	0	0	0	0	
A	39	0	0	0	0	0	0	0	0	0	0	0	0	
C	35	0	0	0	0	0	0	0	0	0	0	0	0	
G	35	0	1	0	0	0	0	0	0	0	0	0	0	
T	32	0	0	0	0	0	2	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.266 row id1=(8335, 1) (Lund) vs row id2=292

Table 350: row id1=(8335, 1) (Lund) vs row id2=292

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	3	0	0	0	0	0	0	0	0	0	0	0	0	
A	42	0	0	1	0	0	0	0	0	0	0	0	0	
C	29	0	0	0	0	0	0	0	0	0	0	0	0	
G	40	0	0	0	0	1	0	0	0	0	0	0	0	
T	31	0	1	0	0	0	0	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	1	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.267 row id1=(8336, 1) (Lz-0) vs row id2=52

Table 351: row id1=(8336, 1) (Lz-0) vs row id2=52

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	1	0	1	1	1	2	0	0	0	0	0	0	0	
A	0	0	0	48	0	0	0	0	0	0	0	0	0	
C	1	0	3	0	32	0	1	0	0	0	0	0	0	
G	0	0	1	0	0	29	0	0	0	0	0	0	0	
T	0	0	1	0	0	0	26	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	1	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 352: detailed difference for row id1=(8336, 1) (Lz-0) vs row id2=52

row id1	col id1	call1	row id2	col id2	call2
(8336, 1)/Lz-0	AtMSQTsnp 159	C	52	AtMSQTsnp 159	T

3.268 row id1=(8337, 1) (Mir-0) vs row id2=329

Table 353: row id1=(8337, 1) (Mir-0) vs row id2=329

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	5	0	0	0	0	0	0	0	0	0	0	0	0
A	34	0	1	0	0	0	0	0	0	0	0	0	0
C	35	0	0	0	0	0	0	0	0	0	0	0	0
G	37	0	0	0	0	1	0	0	0	0	0	0	0
T	34	0	0	0	0	0	1	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	1	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.269 row id1=(8338, 1) (Mr-0) vs row id2=77

Table 354: row id1=(8338, 1) (Mr-0) vs row id2=77

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	1	2	1	0	0	0	0	0	0	0
A	0	0	2	31	0	0	0	0	0	0	0	0	0
C	0	0	3	0	33	0	0	0	0	0	0	0	0
G	1	0	2	0	0	48	0	0	0	0	0	0	0
T	0	0	3	0	0	0	22	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.270 row id1=(8339, 1) (Mrk-0) vs row id2=72

Table 355: row id1=(8339, 1) (Mrk-0) vs row id2=72

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	1	2	2	1	0	0	0	0	0	0
A	0	0	2	40	0	0	0	0	0	0	0	0	0
C	0	0	4	0	24	0	0	0	0	0	0	0	0
G	0	0	1	0	0	36	0	0	0	0	0	0	0
T	1	1	0	0	1	0	33	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 356: detailed difference for row id1=(8339, 1) (Mrk-0) vs row id2=72

row id1	col id1	call1	row id2	col id2	call2
(8339, 1)/Mrk-0	AtMSQTsnp 325	T	72	AtMSQTsnp 325	C

3.271 row id1=(8340, 1) (Ms-0) vs row id2=92

Table 357: row id1=(8340, 1) (Ms-0) vs row id2=92

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	1	0	0	1	0	2	3	0	0	0	0	0	0
A	1	0	2	32	0	0	0	0	2	0	0	0	0
C	4	0	0	0	32	1	0	0	0	0	0	0	0
G	2	0	3	1	0	30	0	0	1	0	0	0	0
T	2	0	1	0	0	0	28	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 358: detailed difference for row id1=(8340, 1) (Ms-0) vs row id2=92

row id1	col id1	call1	row id2	col id2	call2
(8340, 1)/Ms-0	AtMSQTsnp 173	G	92	AtMSQTsnp 173	A
(8340, 1)/Ms-0	AtMSQTsnp 177	A	92	AtMSQTsnp 177	AG
(8340, 1)/Ms-0	AtMSQTsnp 249	A	92	AtMSQTsnp 249	AG
(8340, 1)/Ms-0	AtMSQTsnp 323	G	92	AtMSQTsnp 323	AG
(8340, 1)/Ms-0	AtMSQTsnp 331	C	92	AtMSQTsnp 331	G

3.272 row id1=(8341, 1) (Mt-0) vs row id2=79

Table 359: row id1=(8341, 1) (Mt-0) vs row id2=79

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	1	1	1	1	0	0	0	0	0	0
A	0	0	1	41	0	0	0	0	0	0	0	0	0
C	0	0	2	0	29	0	0	0	0	0	0	0	0
G	1	0	3	0	0	36	0	0	0	0	0	0	0
T	0	0	3	0	0	0	26	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	1	0	1	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 360: detailed difference for row id1=(8341, 1) (Mt-0) vs row id2=79

row id1	col id1	call1	row id2	col id2	call2
(8341, 1)/Mt-0	AtMSQTsnp 138	CT	79	AtMSQTsnp 138	C

3.273 row id1=(8342, 1) (Mz-0) vs row id2=73

Table 361: row id1=(8342, 1) (Mz-0) vs row id2=73

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	1	2	0	2	0	0	0	0	0	0
A	0	0	1	38	0	0	0	0	0	0	0	0	0
C	0	0	1	0	30	0	0	0	0	0	0	0	0
G	1	0	3	0	0	43	0	0	0	0	0	0	0
T	0	0	1	0	0	0	26	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0

CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.274 row id1=(8343, 1) (Na-1) vs row id2=330

Table 362: row id1=(8343, 1) (Na-1) vs row id2=330

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	7	0	0	0	0	0	0	0	0	0	0	0	0	
A	37	0	0	0	0	0	0	0	0	0	0	0	0	
C	32	0	0	0	0	0	0	0	0	0	0	0	0	
G	41	0	0	0	0	1	0	0	0	0	0	0	0	
T	27	0	0	0	0	0	2	0	0	0	0	0	0	
AC	1	0	0	0	0	0	0	0	0	0	0	0	0	
AG	1	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.275 row id1=(8344, 1) (Nd-1) vs row id2=56

Table 363: row id1=(8344, 1) (Nd-1) vs row id2=56

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	1	0	0	1	1	0	0	0	0	0	0	
A	0	0	0	48	0	0	0	0	0	0	0	0	0	
C	1	0	1	0	35	0	0	0	0	0	0	0	0	
G	0	0	1	0	0	32	0	0	0	0	0	0	0	
T	1	0	1	0	0	0	26	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.276 row id1=(8345, 1) (NFA-10) vs row id2=36

Table 364: row id1=(8345, 1) (NFA-10) vs row id2=36

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	0	1	2	3	1	0	0	0	0	0	0	
A	0	0	1	35	0	0	0	0	0	0	0	0	0	
C	0	0	3	0	28	0	0	0	0	0	0	0	0	
G	0	0	1	0	0	36	0	0	0	0	0	0	0	
T	0	0	0	0	1	0	37	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 365: detailed difference for row id1=(8345, 1) (NFA-10) vs row id2=36

row id1	col id1	call1	row id2	col id2	call2
(8345, 1)/NFA-10	AtMSQTsnp 159	T	36	AtMSQTsnp 159	C

3.277 row id1=(8346, 1) (NFA-8) vs row id2=35

Table 366: row id1=(8346, 1) (NFA-8) vs row id2=35

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	0	0	1	0	2	0	0	0	0	0	0	
A	1	0	1	35	0	0	0	0	0	0	0	0	0	
C	0	0	0	0	35	0	0	0	0	0	0	0	0	
G	0	0	0	0	0	39	0	0	0	0	0	0	0	
T	0	0	2	0	0	0	32	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	1	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.278 row id1=(8347, 1) (Nok-3) vs row id2=80

Table 367: row id1=(8347, 1) (Nok-3) vs row id2=80

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	1	0	1	1	2	0	0	0	0	0	0	
A	0	0	1	44	0	0	0	0	0	0	0	0	0	
C	0	0	1	0	25	0	0	0	0	0	0	0	0	
G	1	0	0	0	0	38	0	0	0	0	0	0	0	
T	2	0	2	0	1	0	29	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 368: detailed difference for row id1=(8347, 1) (Nok-3) vs row id2=80

row id1	col id1	call1	row id2	col id2	call2
(8347, 1)/Nok-3	AtMSQTsnp 334	T	80	AtMSQTsnp 334	C

3.279 row id1=(8349, 1) () vs row id2=21

Table 369: row id1=(8349, 1) () vs row id2=21

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	0	2	1	1	2	0	0	0	0	0	0	
A	1	0	2	30	0	0	0	0	0	0	0	0	0	
C	1	0	1	0	26	0	0	0	0	0	0	0	0	
G	1	0	2	0	0	42	0	0	0	0	0	0	0	
T	0	0	1	0	0	0	36	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.280 row id1=(8350, 1) () vs row id2=22

Table 370: row id1=(8350, 1) () vs row id2=22

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	1	0	2	0	0	0	0	0	0
A	1	0	1	32	0	0	0	0	0	0	0	0	0
C	0	0	0	0	33	0	0	0	0	0	0	0	0
G	0	0	2	1	0	42	0	0	0	0	0	0	0
T	0	0	0	0	0	0	33	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	1	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 371: detailed difference for row id1=(8350, 1) () vs row id2=22

row id1	col id1	call1	row id2	col id2	call2
(8350, 1)/	AtMSQTsnp 267	CT	22	AtMSQTsnp 267	C
(8350, 1)/	AtMSQTsnp 373	G	22	AtMSQTsnp 373	A

3.281 row id1=(8351, 1) (Ost-0) vs row id2=332

Table 372: row id1=(8351, 1) (Ost-0) vs row id2=332

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	7	0	0	0	0	0	0	0	0	0	0	0	0	
A	44	0	0	0	0	0	0	0	0	0	0	0	0	
C	27	0	1	0	0	0	0	0	0	0	0	0	0	
G	36	0	0	0	0	2	0	0	0	0	0	0	0	
T	32	0	0	0	0	0	0	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.282 row id1=(8352, 1) (Oy-0) vs row id2=95

Table 373: row id1=(8352, 1) (Oy-0) vs row id2=95

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	1	0	0	1	1	0	3	0	0	0	0	0	0	
A	2	0	1	38	0	0	0	0	0	0	0	0	0	
C	0	0	0	0	39	0	0	0	0	0	0	0	0	
G	0	0	5	0	0	34	0	0	0	0	0	0	0	
T	0	0	1	0	0	0	23	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.283 row id1=(8353, 1) (Pa-1) vs row id2=333

Table 374: row id1=(8353, 1) (Pa-1) vs row id2=333

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0

-	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	6	0	0	0	0	0	0	0	0	0	0	0	0	0
A	44	0	0	0	0	0	0	0	0	0	0	0	0	0
C	21	0	0	0	0	0	0	0	0	0	0	0	0	0
G	41	0	0	0	0	1	0	0	0	0	0	0	0	0
T	34	0	0	0	0	0	2	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.284 row id1=(8354, 1) (Per-1) vs row id2=334

Table 375: row id1=(8354, 1) (Per-1) vs row id2=334

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	4	0	0	0	0	0	0	0	0	0	0	0	0	
A	39	0	0	1	0	0	0	0	0	0	0	0	0	
C	30	0	0	0	1	0	0	0	0	0	0	0	0	
G	31	0	1	0	0	0	0	0	0	0	0	0	0	
T	42	0	0	0	0	0	0	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.285 row id1=(8355, 1) (Petergof) vs row id2=335

Table 376: row id1=(8355, 1) (Petergof) vs row id2=335

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	5	0	0	0	0	0	0	0	0	0	0	0	0	
A	36	0	0	1	0	0	0	0	0	0	0	0	0	
C	36	0	0	0	1	0	0	0	0	0	0	0	0	
G	42	0	0	0	0	1	0	0	0	0	0	0	0	
T	27	0	0	0	0	0	0	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.286 row id1=(8356, 1) (Pi-0) vs row id2=336

Table 377: row id1=(8356, 1) (Pi-0) vs row id2=336

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	2	0	0	0	0	0	0	0	0	0	0	0	0	
A	41	0	0	0	0	0	0	0	0	0	0	0	0	
C	33	0	0	0	0	0	0	0	0	0	0	0	0	
G	42	0	0	0	0	1	1	0	0	0	0	0	0	
T	28	0	0	0	1	0	0	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 378: detailed difference for row id1=(8356, 1) (Pi-0) vs row id2=336

row id1	col id1	call1	row id2	col id2	call2
(8356, 1)/Pi-0	AtMSQTsnp 274	G	336	AtMSQTsnp 274	T
(8356, 1)/Pi-0	AtMSQTsnp 279	T	336	AtMSQTsnp 279	C

3.287 row id1=(8357, 1) (Pla-0) vs row id2=337

Table 379: row id1=(8357, 1) (Pla-0) vs row id2=337

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	0	0	0	0	0	0	0	0	0	0	0
A	47	0	0	0	0	0	0	0	0	0	0	0	0
C	27	0	1	0	0	0	0	0	0	0	0	0	0
G	38	0	1	0	0	0	0	0	0	0	0	0	0
T	30	0	0	0	0	0	1	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.288 row id1=(8358, 1) (Pna-10) vs row id2=8

Table 380: row id1=(8358, 1) (Pna-10) vs row id2=8

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	1	1	0	1	0	0	0	0	0	0
A	1	0	3	40	0	0	0	0	0	0	0	0	0
C	1	0	3	0	21	0	0	0	0	0	0	0	0
G	0	0	3	0	0	36	0	0	0	0	0	0	0
T	0	0	4	0	0	0	33	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	1	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 381: detailed difference for row id1=(8358, 1) (Pna-10) vs row id2=8

row id1	col id1	call1	row id2	col id2	call2
(8358, 1)/Pna-10	AtMSQTsnp 267	CT	8	AtMSQTsnp 267	C

3.289 row id1=(8359, 1) (Pna-17) vs row id2=7

Table 382: row id1=(8359, 1) (Pna-17) vs row id2=7

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	0	0	1	3	0	0	0	0	0	0
A	1	0	1	44	0	0	0	0	0	0	0	0	0
C	2	0	2	0	23	0	0	0	0	0	0	0	0
G	2	0	2	0	0	39	0	0	0	0	0	0	0
T	3	0	0	0	0	0	24	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0

AT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	1	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 383: detailed difference for row id1=(8359, 1) (Pna-17) vs row id2=7

row id1	col id1	call1	row id2	col id2	call2
(8359, 1)/Pna-17	AtMSQTsnp 267	CT	7	AtMSQTsnp 267	C

3.290 row id1=(8360, 1) (Pro-0) vs row id2=86

Table 384: row id1=(8360, 1) (Pro-0) vs row id2=86

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	1	0	1	3	1	0	0	0	0	0	0	
A	1	0	3	41	0	0	0	0	0	0	0	0	0	
C	0	0	2	0	25	0	0	0	0	0	0	0	0	
G	0	0	0	0	0	41	0	0	0	0	0	0	0	
T	1	0	0	0	0	0	27	0	0	0	0	0	0	
AC	0	0	1	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	1	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.291 row id1=(8361, 1) (Pu2-23) vs row id2=30

Table 385: row id1=(8361, 1) (Pu2-23) vs row id2=30

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	0	0	1	0	4	0	0	0	0	0	0	
A	1	0	1	35	0	0	0	0	0	0	0	0	0	
C	0	0	1	0	32	0	0	0	0	0	0	0	0	
G	1	0	0	0	0	36	0	0	0	0	0	0	0	
T	1	0	0	0	0	0	36	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.292 row id1=(8362, 1) (Pu2-7) vs row id2=29

Table 386: row id1=(8362, 1) (Pu2-7) vs row id2=29

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	1	0	0	0	2	1	0	0	0	0	0	0	
A	0	0	1	37	0	0	0	0	0	0	0	0	0	
C	0	0	2	0	25	0	0	0	0	0	0	0	0	
G	0	0	0	0	0	39	0	0	0	0	0	0	0	
T	0	0	0	0	0	0	41	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.293 row id1=(8363, 1) (Pu2-8) vs row id2=296

Table 387: row id1=(8363, 1) (Pu2-8) vs row id2=296

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	0	0	0	0	0	0	0	0	0	0	0
A	37	0	0	0	0	0	0	0	0	0	0	0	0
C	32	0	0	0	0	0	0	0	0	0	0	0	0
G	36	0	0	0	0	1	0	0	0	0	0	0	0
T	37	0	0	0	0	0	2	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.294 row id1=(8364, 1) (Ra-0) vs row id2=69

Table 388: row id1=(8364, 1) (Ra-0) vs row id2=69

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	1	0	1	3	2	1	0	0	0	0	0	0	0
A	1	0	2	35	1	1	0	0	0	0	0	0	0
C	0	0	2	1	34	0	0	0	0	0	0	0	0
G	0	0	1	0	0	41	0	0	0	0	0	0	0
T	0	0	1	0	1	0	20	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 389: detailed difference for row id1=(8364, 1) (Ra-0) vs row id2=69

row id1	col id1	call1	row id2	col id2	call2
(8364, 1)/Ra-0	AtMSQTsnp 164	A	69	AtMSQTsnp 164	C
(8364, 1)/Ra-0	AtMSQTsnp 223	A	69	AtMSQTsnp 223	G
(8364, 1)/Ra-0	AtMSQTsnp 321	C	69	AtMSQTsnp 321	A
(8364, 1)/Ra-0	AtMSQTsnp 334	T	69	AtMSQTsnp 334	C

3.295 row id1=(8365, 1) (Rak-2) vs row id2=338

Table 390: row id1=(8365, 1) (Rak-2) vs row id2=338

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	0	0	0	0	0	0	0	0	0	0	0
A	30	0	0	0	0	0	0	0	0	0	0	0	0
C	35	0	0	0	0	0	0	0	0	0	0	0	0
G	46	0	1	0	0	0	0	0	0	0	0	0	0
T	32	0	0	0	0	0	2	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.296 row id1=(8367, 1) (Ren-1) vs row id2=47

Table 391: row id1=(8367, 1) (Ren-1) vs row id2=47

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	1	0	0	0	3	2	1	0	0	0	0	0	0
A	0	0	1	32	0	0	0	0	0	0	0	0	0
C	0	0	2	1	36	0	0	0	0	0	0	0	0
G	2	0	1	1	0	33	0	0	0	0	0	0	0
T	0	0	1	0	0	0	30	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	1	0	1	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 392: detailed difference for row id1=(8367, 1) (Ren-1) vs row id2=47

row id1	col id1	call1	row id2	col id2	call2
(8367, 1)/Ren-1	AtMSQTsnp 267	CT	47	AtMSQTsnp 267	C
(8367, 1)/Ren-1	AtMSQTsnp 388	C	47	AtMSQTsnp 388	A
(8367, 1)/Ren-1	AtMSQTsnp 392	G	47	AtMSQTsnp 392	A

3.297 row id1=(8368, 1) (Ren-11) vs row id2=48

Table 393: row id1=(8368, 1) (Ren-11) vs row id2=48

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	1	0	4	18	16	11	16	0	0	0	0	0	1
A	0	0	1	20	0	0	0	0	0	0	0	0	0
C	0	0	0	0	19	0	0	0	0	0	0	0	0
G	0	0	1	0	0	23	0	0	0	0	0	0	0
T	0	0	0	0	0	0	17	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	1	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.298 row id1=(8369, 1) (Rev-1) vs row id2=347

Table 394: row id1=(8369, 1) (Rev-1) vs row id2=347

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	2	0	0	0	0	0	0	0	0	0	0	0	0
A	39	0	0	1	0	0	0	0	0	0	0	0	0
C	34	0	0	0	0	0	0	0	0	0	0	0	0
G	42	0	0	0	0	1	0	0	0	0	0	0	0
T	28	0	0	0	0	0	1	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.299 row id1=(8370, 1) (Rmx-A02) vs row id2=5

Table 395: row id1=(8370, 1) (Rmx-A02) vs row id2=5

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	0	0	1	0	2	0	0	0	0	0	0	
A	0	0	5	41	0	0	0	0	0	0	0	0	0	
C	2	0	0	0	25	0	0	0	0	0	0	0	0	
G	1	0	3	0	0	35	0	0	0	0	0	0	0	
T	2	0	2	0	0	0	29	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	1	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.300 row id1=(8371, 1) (Rmx-A180) vs row id2=6

Table 396: row id1=(8371, 1) (Rmx-A180) vs row id2=6

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	0	0	1	0	2	0	0	0	0	0	0	
A	1	0	2	34	0	0	0	0	0	0	0	0	0	
C	0	0	1	0	30	0	0	0	0	0	0	0	0	
G	3	0	2	0	0	38	0	0	0	0	0	0	0	
T	3	0	1	0	0	0	31	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.301 row id1=(8372, 1) (RRS-10) vs row id2=2

Table 397: row id1=(8372, 1) (RRS-10) vs row id2=2

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	1	1	1	0	2	0	0	0	0	0	0	
A	0	0	2	41	1	0	0	0	0	0	0	0	0	
C	0	0	0	0	24	0	0	0	0	0	0	0	0	
G	1	0	3	0	0	35	0	0	0	0	0	0	0	
T	2	0	3	0	0	0	31	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	1	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 398: detailed difference for row id1=(8372, 1) (RRS-10) vs row id2=2

row id1	col id1	call1	row id2	col id2	call2
(8372, 1)/RRS-10	AtMSQTsnp 140	A	2	AtMSQTsnp 140	C
(8372, 1)/RRS-10	AtMSQTsnp 267	CT	2	AtMSQTsnp 267	C

3.302 row id1=(8374, 1) (Rsch-4) vs row id2=290

Table 399: row id1=(8374, 1) (Rsch-4) vs row id2=290

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		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	6	0	0	0	0	0	0	0	0	0	0	0	0
A	40	0	0	0	0	0	0	0	0	0	0	0	0
C	29	0	0	0	0	0	0	0	0	0	0	0	0
G	40	0	0	0	0	1	0	0	0	0	0	0	0
T	31	0	0	0	0	0	2	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.303 row id1=(8375, 1) (Rubezhnoe-1) vs row id2=339

Table 400: row id1=(8375, 1) (Rubezhnoe-1) vs row id2=339

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	6	0	0	0	0	0	0	0	0	0	0	0	0
A	34	0	0	0	0	0	0	0	0	0	0	0	0
C	30	0	0	0	0	0	0	0	0	0	0	0	0
G	41	0	1	0	0	1	0	0	0	0	0	0	0
T	35	0	1	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.304 row id1=(8376, 1) (Sanna-2) vs row id2=376

Table 401: row id1=(8376, 1) (Sanna-2) vs row id2=376

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	0	0	0	0	0	0	0	0	0	0	0
A	46	0	0	1	0	0	0	0	0	0	0	0	0
C	26	0	1	0	0	0	0	0	0	0	0	0	0
G	37	0	0	0	0	0	0	0	0	0	0	0	0
T	33	0	0	0	0	0	1	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.305 row id1=(8377, 1) (Santa Clara) vs row id2=340

Table 402: row id1=(8377, 1) (Santa Clara) vs row id2=340

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	0	0	0	0	0	0	0	0	0	0	0
A	45	0	1	0	0	0	0	0	0	0	0	0	0
C	33	0	0	0	0	0	0	0	0	0	0	0	0
G	34	0	0	0	0	0	0	0	0	0	0	0	0
T	31	0	0	0	0	0	2	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0

CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.306 row id1=(8378, 1) (Sap-0) vs row id2=341

Table 403: row id1=(8378, 1) (Sap-0) vs row id2=341

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	0	0	0	0	0	0	0	0	0	0	0
A	35	0	0	0	0	0	0	0	0	0	0	0	0
C	29	0	0	0	0	0	0	0	0	0	0	0	0
G	44	0	1	0	0	0	0	0	0	0	0	0	0
T	34	0	0	0	0	0	2	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.307 row id1=(8379, 1) (Se-0) vs row id2=83

Table 404: row id1=(8379, 1) (Se-0) vs row id2=83

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	2	2	1	2	0	0	0	0	0	0	0
A	0	0	0	39	0	0	0	0	0	0	0	0	0
C	0	0	3	0	19	0	0	0	0	0	0	0	0
G	0	0	1	0	0	42	0	0	0	0	0	0	0
T	0	0	2	0	0	0	35	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	1	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 405: detailed difference for row id1=(8379, 1) (Se-0) vs row id2=83

row id1	col id1	call1	row id2	col id2	call2
(8379, 1)/Se-0	AtMSQTsnp 267	CT	83	AtMSQTsnp 267	C

3.308 row id1=(8380, 1) (Sf-1) vs row id2=300

Table 406: row id1=(8380, 1) (Sf-1) vs row id2=300

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	0	0	0	0	0	0	0	0	0	0	0
A	48	0	0	0	0	0	0	0	0	0	0	0	0
C	29	0	0	0	0	0	0	0	0	0	0	0	0
G	34	0	0	1	0	0	0	0	0	0	0	0	0
T	30	0	0	0	0	1	1	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 407: detailed difference for row id1=(8380, 1) (Sf-1) vs row id2=300

row id1	col id1	call1	row id2	col id2	call2
(8380, 1)/Sf-1	AtMSQTsnp 274	T	300	AtMSQTsnp 274	G
(8380, 1)/Sf-1	AtMSQTsnp 278	G	300	AtMSQTsnp 278	A

3.309 row id1=(8381, 1) (Sorbo) vs row id2=90

Table 408: row id1=(8381, 1) (Sorbo) vs row id2=90

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	2	0	2	0	1	0	0	0	0	0	0
A	0	0	6	39	0	0	0	0	0	0	0	0	0
C	2	0	1	0	34	0	0	0	0	0	0	0	0
G	0	0	1	0	0	31	0	0	0	0	0	0	0
T	1	0	4	0	0	0	24	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.310 row id1=(8382, 1) (Spr1-2) vs row id2=19

Table 409: row id1=(8382, 1) (Spr1-2) vs row id2=19

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	0	1	0	1	1	0	0	0	0	0	0
A	0	0	1	34	0	0	0	0	0	0	0	0	0
C	1	0	1	0	33	0	0	0	0	0	0	0	0
G	0	0	2	0	0	40	0	0	0	0	0	0	0
T	0	0	0	0	0	0	32	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	1	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.311 row id1=(8383, 1) (Spr1-6) vs row id2=20

Table 410: row id1=(8383, 1) (Spr1-6) vs row id2=20

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	0	1	0	2	3	0	0	0	0	0	0
A	1	0	3	33	0	0	0	0	0	0	0	0	0
C	0	0	2	0	34	0	0	0	0	0	0	0	0
G	0	0	0	0	0	42	0	0	0	0	0	0	0
T	0	0	1	0	0	0	26	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.312 row id1=(8384, 1) (Sq-1) vs row id2=37

Table 411: row id1=(8384, 1) (Sq-1) vs row id2=37

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	0	1	2	2	0	0	0	0	0	0	0	
A	0	0	0	39	0	0	0	0	0	0	0	0	0	
C	0	0	1	0	33	0	0	0	0	0	0	0	0	
G	1	0	0	0	0	38	0	0	0	0	0	0	0	
T	0	0	0	0	0	0	32	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.313 row id1=(8385, 1) (Sq-8) vs row id2=38

Table 412: row id1=(8385, 1) (Sq-8) vs row id2=38

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	0	1	1	0	2	0	0	0	0	0	0	
A	1	0	1	42	0	0	0	0	0	0	0	0	0	
C	0	0	0	0	36	0	0	0	0	0	0	0	0	
G	3	0	1	0	0	29	0	0	0	0	0	0	0	
T	0	0	0	0	0	0	32	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.314 row id1=(8386, 1) (Sr:5) vs row id2=377

Table 413: row id1=(8386, 1) (Sr:5) vs row id2=377

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	4	0	0	0	0	0	0	0	0	0	0	0	0	
A	29	0	0	0	0	0	0	0	0	0	0	0	0	
C	33	0	0	0	0	0	0	0	0	0	0	0	0	
G	43	0	1	0	0	0	0	0	0	0	0	0	0	
T	37	0	0	0	0	0	2	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.315 row id1=(8387, 1) (St-0) vs row id2=342

Table 414: row id1=(8387, 1) (St-0) vs row id2=342

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	3	0	0	0	0	0	0	0	0	0	0	0	0	
A	41	0	0	0	0	0	0	0	0	0	0	0	0	
C	37	0	0	0	0	0	0	0	0	0	0	0	0	
G	38	0	0	0	0	2	0	0	0	0	0	0	0	
T	27	0	0	0	0	0	1	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	

AT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.316 row id1=(8388, 1) (Stw-0) vs row id2=343

Table 415: row id1=(8388, 1) (Stw-0) vs row id2=343

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	7	0	0	0	0	0	0	0	0	0	0	0	0	
A	38	0	0	0	0	0	0	0	0	0	0	0	0	
C	24	0	0	0	0	0	0	0	0	0	0	0	0	
G	41	0	1	0	0	0	0	0	0	0	0	0	0	
T	36	0	0	0	0	0	2	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.317 row id1=(8389, 1) (Ta-0) vs row id2=344

Table 416: row id1=(8389, 1) (Ta-0) vs row id2=344

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	6	0	0	0	0	0	0	0	0	0	0	0	0	
A	31	0	0	0	0	0	0	0	0	0	0	0	0	
C	33	0	0	0	0	0	0	0	0	0	0	0	0	
G	43	0	1	0	0	0	0	0	0	0	0	0	0	
T	33	0	0	0	0	0	2	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.318 row id1=(8390, 1) (Tamm-2) vs row id2=41

Table 417: row id1=(8390, 1) (Tamm-2) vs row id2=41

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	1	0	1	2	1	0	0	0	0	0	0	
A	0	0	2	38	0	0	0	0	0	0	0	0	0	
C	0	0	1	0	26	0	0	0	0	0	0	0	0	
G	0	0	0	0	0	41	0	0	0	0	0	0	0	
T	1	0	0	0	0	0	35	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.319 row id1=(8391, 1) (Tamm-27) vs row id2=42

Table 418: row id1=(8391, 1) (Tamm-27) vs row id2=42

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	1	0	0	1	1	2	1	0	0	0	0	0	0
A	0	0	3	36	0	0	0	0	0	0	0	0	0
C	0	0	1	0	26	0	0	0	0	0	0	0	0
G	0	0	2	0	0	39	0	0	0	0	0	0	0
T	1	0	3	0	0	0	32	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.320 row id1=(8392, 1) (Ts-1) vs row id2=84

Table 419: row id1=(8392, 1) (Ts-1) vs row id2=84

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	1	1	3	1	0	0	0	0	0	0
A	0	0	1	35	0	0	0	0	0	0	0	0	0
C	0	0	5	0	21	0	0	0	0	0	0	0	0
G	0	0	2	0	0	38	0	0	0	0	0	0	0
T	0	0	1	0	0	0	39	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.321 row id1=(8393, 1) (Ts-5) vs row id2=85

Table 420: row id1=(8393, 1) (Ts-5) vs row id2=85

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	3	1	2	2	0	0	0	0	0	0
A	0	0	0	38	0	0	0	0	0	0	0	0	0
C	0	0	3	0	25	0	0	0	0	0	0	0	0
G	0	0	1	0	0	39	0	0	0	0	0	0	0
T	0	0	1	0	0	0	33	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	1	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 421: detailed difference for row id1=(8393, 1) (Ts-5) vs row id2=85

row id1	col id1		call1	row id2	col id2		call2
(8393, 1)/Ts-5	AtMSQTsnp 267		CT	85	AtMSQTsnp 267		C

3.322 row id1=(8394, 1) (Tsu-1) vs row id2=78

Table 422: row id1=(8394, 1) (Tsu-1) vs row id2=78

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	3	1	0	3	0	0	0	0	0	0

A	0	0	3	32	0	0	0	0	0	0	0	0	0
C	0	0	0	0	36	0	1	0	0	0	0	0	0
G	0	0	0	0	0	41	0	0	0	0	0	0	0
T	0	0	0	0	1	0	28	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 423: detailed difference for row id1=(8394, 1) (Tsu-1) vs row id2=78

row id1	col id1	call1	row id2	col id2	call2
(8394, 1)/Tsu-1	AtMSQTsnp 138	T	78	AtMSQTsnp 138	C
(8394, 1)/Tsu-1	AtMSQTsnp 334	C	78	AtMSQTsnp 334	T

3.323 row id1=(8395, 1) (Tu-0) vs row id2=345

Table 424: row id1=(8395, 1) (Tu-0) vs row id2=345

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	0	0	0	0	0	0	0	0	0	0	0
A	37	0	0	0	0	0	0	0	0	0	0	0	0
C	37	0	1	0	0	0	0	0	0	0	0	0	0
G	39	0	1	0	0	1	0	0	0	0	0	0	0
T	29	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.324 row id1=(8396, 1) (Ull2-3) vs row id2=24

Table 425: row id1=(8396, 1) (Ull2-3) vs row id2=24

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	0	1	2	0	0	0	0	0	0
A	1	0	4	40	0	0	0	0	0	0	0	0	0
C	0	0	2	0	30	0	0	0	0	0	0	0	0
G	0	0	1	0	0	38	0	0	0	0	0	0	0
T	0	0	0	0	0	0	30	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.325 row id1=(8397, 1) (Ull2-5) vs row id2=23

Table 426: row id1=(8397, 1) (Ull2-5) vs row id2=23

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	1	0	0	3	0	0	0	0	0	0
A	2	0	1	37	0	0	0	0	0	0	0	0	0
C	0	0	1	0	25	0	0	0	0	0	0	0	0
G	0	0	3	0	0	38	0	0	0	0	0	0	0

T	1	0	5	0	0	0	32	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.326 row id1=(8398, 1) (Uod-1) vs row id2=49

Table 427: row id1=(8398, 1) (Uod-1) vs row id2=49

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	1	0	1	3	0	0	0	0	0	0
A	0	0	0	36	0	0	0	0	0	0	0	0	0
C	0	0	1	0	39	0	0	0	0	0	0	0	0
G	0	0	0	0	0	41	0	0	0	0	0	0	0
T	2	1	1	0	0	0	23	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.327 row id1=(8399, 1) (Uod-7) vs row id2=50

Table 428: row id1=(8399, 1) (Uod-7) vs row id2=50

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	1	0	1	3	0	0	0	0	0	0
A	0	0	2	35	0	0	0	0	0	0	0	0	0
C	1	0	2	0	29	0	0	0	0	0	0	0	0
G	0	0	2	0	0	40	0	0	0	0	0	0	0
T	0	0	1	0	0	0	30	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	1	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 429: detailed difference for row id1=(8399, 1) (Uod-7) vs row id2=50

row id1	col id1	call1	row id2	col id2	call2
(8399, 1)/Uod-7	AtMSQTsnp 267	CT	50	AtMSQTsnp 267	C

3.328 row id1=(8400, 1) (Van-0) vs row id2=64

Table 430: row id1=(8400, 1) (Van-0) vs row id2=64

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	1	0	1	0	0	0	0	0	0
A	0	0	3	27	0	3	1	2	7	2	0	0	0
C	0	0	1	1	20	0	0	0	0	0	2	5	0
G	0	0	3	0	0	30	0	0	3	0	1	0	1
T	0	0	2	0	1	0	25	0	0	1	0	4	2
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0

CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 431: detailed difference for row id1=(8400, 1) (Van-0) vs row id2=64

row id1	col id1	call1	row id2	col id2	call2
(8400, 1)/Van-0	AtMSQTsnp 101	A	64	AtMSQTsnp 101	AG
(8400, 1)/Van-0	AtMSQTsnp 108	G	64	AtMSQTsnp 108	AG
(8400, 1)/Van-0	AtMSQTsnp 11	T	64	AtMSQTsnp 11	CT
(8400, 1)/Van-0	AtMSQTsnp 12	A	64	AtMSQTsnp 12	G
(8400, 1)/Van-0	AtMSQTsnp 129	A	64	AtMSQTsnp 129	AG
(8400, 1)/Van-0	AtMSQTsnp 184	A	64	AtMSQTsnp 184	T
(8400, 1)/Van-0	AtMSQTsnp 188	C	64	AtMSQTsnp 188	CT
(8400, 1)/Van-0	AtMSQTsnp 194	T	64	AtMSQTsnp 194	AT
(8400, 1)/Van-0	AtMSQTsnp 197	A	64	AtMSQTsnp 197	AG
(8400, 1)/Van-0	AtMSQTsnp 203	A	64	AtMSQTsnp 203	AT
(8400, 1)/Van-0	AtMSQTsnp 214	A	64	AtMSQTsnp 214	AG
(8400, 1)/Van-0	AtMSQTsnp 220	A	64	AtMSQTsnp 220	G
(8400, 1)/Van-0	AtMSQTsnp 237	T	64	AtMSQTsnp 237	CT
(8400, 1)/Van-0	AtMSQTsnp 242	C	64	AtMSQTsnp 242	CT
(8400, 1)/Van-0	AtMSQTsnp 260	A	64	AtMSQTsnp 260	AC
(8400, 1)/Van-0	AtMSQTsnp 266	T	64	AtMSQTsnp 266	GT
(8400, 1)/Van-0	AtMSQTsnp 267	C	64	AtMSQTsnp 267	CT
(8400, 1)/Van-0	AtMSQTsnp 281	T	64	AtMSQTsnp 281	C
(8400, 1)/Van-0	AtMSQTsnp 285	T	64	AtMSQTsnp 285	CT
(8400, 1)/Van-0	AtMSQTsnp 29	A	64	AtMSQTsnp 29	AT
(8400, 1)/Van-0	AtMSQTsnp 323	A	64	AtMSQTsnp 323	AG
(8400, 1)/Van-0	AtMSQTsnp 359	G	64	AtMSQTsnp 359	GT
(8400, 1)/Van-0	AtMSQTsnp 378	C	64	AtMSQTsnp 378	CG
(8400, 1)/Van-0	AtMSQTsnp 390	T	64	AtMSQTsnp 390	CT
(8400, 1)/Van-0	AtMSQTsnp 395	A	64	AtMSQTsnp 395	AG
(8400, 1)/Van-0	AtMSQTsnp 397	T	64	AtMSQTsnp 397	GT
(8400, 1)/Van-0	AtMSQTsnp 410	G	64	AtMSQTsnp 410	AG
(8400, 1)/Van-0	AtMSQTsnp 47	C	64	AtMSQTsnp 47	A
(8400, 1)/Van-0	AtMSQTsnp 58	G	64	AtMSQTsnp 58	CG
(8400, 1)/Van-0	AtMSQTsnp 63	A	64	AtMSQTsnp 63	AC
(8400, 1)/Van-0	AtMSQTsnp 65	A	64	AtMSQTsnp 65	AG
(8400, 1)/Van-0	AtMSQTsnp 8	G	64	AtMSQTsnp 8	AG
(8400, 1)/Van-0	AtMSQTsnp 87	C	64	AtMSQTsnp 87	CT
(8400, 1)/Van-0	AtMSQTsnp 90	C	64	AtMSQTsnp 90	CT
(8400, 1)/Van-0	AtMSQTsnp 92	A	64	AtMSQTsnp 92	G
(8400, 1)/Van-0	AtMSQTsnp 97	C	64	AtMSQTsnp 97	CG

3.329 row id1=(8401, 1) (V-1) vs row id2=17

Table 432: row id1=(8401, 1) (V-1) vs row id2=17

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	0	1	2	1	0	0	0	0	0	0
A	0	0	2	36	0	0	0	0	0	0	0	0	0
C	0	0	0	0	36	0	0	0	0	0	0	0	0
G	0	0	0	0	0	41	0	0	0	0	0	0	0
T	1	0	3	0	0	0	25	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.330 row id1=(8402, 1) (V-6) vs row id2=18

Table 433: row id1=(8402, 1) (V-6) vs row id2=18

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0

NA	0	0	0	1	1	2	1	0	0	0	0	0	0
A	0	0	1	33	0	0	0	0	0	0	0	0	0
C	0	0	2	0	32	0	0	0	0	0	0	0	0
G	0	0	1	0	0	46	0	0	0	0	0	0	0
T	1	0	1	0	0	0	27	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.331 row id1=(8403, 1) (Wa-1) vs row id2=81

Table 434: row id1=(8403, 1) (Wa-1) vs row id2=81

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	1	2	2	0	0	0	0	0	0
A	0	0	4	28	0	0	0	0	0	0	0	0	0
C	2	0	1	0	27	0	0	0	0	0	0	0	0
G	0	0	1	0	0	39	0	0	0	0	0	0	0
T	0	0	3	0	0	0	39	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.332 row id1=(8404, 1) (Wei-0) vs row id2=59

Table 435: row id1=(8404, 1) (Wei-0) vs row id2=59

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	4	1	2	2	0	0	0	0	0	0
A	0	0	2	35	0	0	0	0	0	0	0	0	0
C	0	0	2	0	33	0	0	0	0	0	0	0	0
G	0	0	2	0	0	37	0	0	0	0	0	0	0
T	0	0	3	0	0	0	25	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.333 row id1=(8405, 1) (Ws-0) vs row id2=60

Table 436: row id1=(8405, 1) (Ws-0) vs row id2=60

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	1	2	0	2	0	0	0	0	0	0
A	1	0	1	38	0	0	0	0	0	0	0	0	0
C	0	0	4	0	22	0	0	0	0	0	0	0	0
G	1	0	0	0	0	43	0	0	0	0	0	0	0
T	0	0	1	0	0	0	32	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	1	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 437: detailed difference for row id1=(8405, 1) (Ws-0) vs row id2=60

row id1	col id1	call1	row id2	col id2	call2
(8405, 1)/Ws-0	AtMSQTsnp 267	CT	60	AtMSQTsnp 267	C

3.334 row id1=(8406, 1) (Ws-2) vs row id2=96

Table 438: row id1=(8406, 1) (Ws-2) vs row id2=96

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	2	0	2	2	0	0	0	0	0	0
A	6	0	4	26	0	0	0	0	0	0	0	0	0
C	0	0	2	0	24	0	0	0	0	0	0	0	0
G	1	0	2	0	0	39	0	0	0	0	0	0	0
T	2	0	4	0	0	0	33	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.335 row id1=(8407, 1) (Wt-5) vs row id2=74

Table 439: row id1=(8407, 1) (Wt-5) vs row id2=74

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	3	2	0	2	1	0	0	0	0	0	0
A	2	0	2	35	0	0	0	0	0	0	0	0	0
C	0	0	3	0	34	0	1	0	0	0	0	0	0
G	0	0	1	0	0	34	0	0	0	0	0	0	0
T	1	0	4	0	0	0	24	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 440: detailed difference for row id1=(8407, 1) (Wt-5) vs row id2=74

row id1	col id1	call1	row id2	col id2	call2
(8407, 1)/Wt-5	AtMSQTsnp 334	C	74	AtMSQTsnp 334	T

3.336 row id1=(8408, 1) (Yo-0) vs row id2=61

Table 441: row id1=(8408, 1) (Yo-0) vs row id2=61

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	2	2	2	0	0	0	0	0	0
A	0	0	0	43	0	0	0	0	0	0	0	0	0
C	1	0	3	0	23	0	0	0	0	0	0	0	0
G	0	0	1	0	0	40	0	0	0	0	0	0	0
T	0	0	2	0	0	0	29	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	1	0	0	0	0	0	0	0	0

GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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Table 442: detailed difference for row id1=(8408, 1) (Yo-0) vs row id2=61

row id1	col id1	call1	row id2	col id2	call2
(8408, 1)/Yo-0	AtMSQTsnp 138	CT	61	AtMSQTsnp 138	C

3.337 row id1=(8409, 1) (Zdr-1) vs row id2=25

Table 443: row id1=(8409, 1) (Zdr-1) vs row id2=25

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	1	1	0	1	2	0	0	0	0	0	0	
A	1	0	0	33	1	0	0	0	0	0	0	0	0	
C	0	0	1	0	35	0	0	0	0	0	0	0	0	
G	0	0	0	0	0	36	0	0	0	0	0	0	0	
T	1	0	0	0	0	0	36	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 444: detailed difference for row id1=(8409, 1) (Zdr-1) vs row id2=25

row id1	col id1	call1	row id2	col id2	call2
(8409, 1)/Zdr-1	AtMSQTsnp 260	A	25	AtMSQTsnp 260	C

3.338 row id1=(8410, 1) (Zdr-6) vs row id2=26

Table 445: row id1=(8410, 1) (Zdr-6) vs row id2=26

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	0	0	0	1	1	1	1	0	0	0	0	0	0	
A	1	0	2	33	0	0	0	0	0	0	0	0	0	
C	0	0	3	0	34	0	0	0	0	0	0	0	0	
G	1	0	0	0	0	37	0	0	0	0	0	0	0	
T	0	0	0	0	0	0	33	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	1	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 446: detailed difference for row id1=(8410, 1) (Zdr-6) vs row id2=26

row id1	col id1	call1	row id2	col id2	call2
(8410, 1)/Zdr-6	AtMSQTsnp 267	CT	26	AtMSQTsnp 267	C

3.339 row id1=(8411, 1) (Rd-0) vs row id2=312

Table 447: row id1=(8411, 1) (Rd-0) vs row id2=312

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		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	0	0	0	0	0	0	0	0	0	0	0
A	40	0	0	1	0	0	0	0	0	0	0	0	0
C	32	0	0	0	0	0	0	0	0	0	0	0	0
G	36	0	0	0	0	0	0	0	0	0	0	0	0
T	34	0	0	0	0	0	2	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.340 row id1=(8429, 1) (N13) vs row id2=58

Table 448: row id1=(8429, 1) (N13) vs row id2=58

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	1	0	2	1	0	0	2	0	0	0	0	0	0
A	2	0	0	29	0	0	0	0	0	0	0	0	0
C	2	0	1	0	27	0	0	0	0	0	0	0	0
G	0	0	1	0	0	42	0	0	0	0	0	0	0
T	0	0	2	0	0	0	37	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

4 Diff Matrix for each SNP

4.1 col id1=AtMSQTsnp 10 vs col id2=AtMSQTsnp 10

Table 449: col id1=AtMSQTsnp 10 vs col id2=AtMSQTsnp 10

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	2	0	0	0	0	2	0	0	0	0	0	0	0
A	38	0	0	72	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	108	0	0	0	0	118	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

4.2 col id1=AtMSQTsnp 100 vs col id2=AtMSQTsnp 100

Table 450: col id1=AtMSQTsnp 100 vs col id2=AtMSQTsnp 100

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	0	1	0	4	0	0	0	0	0	0	0
A	44	0	2	57	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	100	0	1	1	0	126	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	1	0	0	0	0	0	0	0	0	0	0	0	0

AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 451: detailed difference for col id1=AtMSQTsnp 100 vs col id2=AtMSQTsnp 100

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 100	G	27	AtMSQTsnp 100	A

4.3 col id1=AtMSQTsnp 101 vs col id2=AtMSQTsnp 101

Table 452: col id1=AtMSQTsnp 101 vs col id2=AtMSQTsnp 101

	0	0	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	1	0	0	2	0	2	0	0	0	0	0	0	0
A	54	0	2	52	0	0	0	0	2	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	93	0	0	0	0	132	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 453: detailed difference for col id1=AtMSQTsnp 101 vs col id2=AtMSQTsnp 101

row id1	col id1	call1	row id2	col id2	call2
(6977, 1)/Van-0	AtMSQTsnp 101	A	64	AtMSQTsnp 101	AG
(8400, 1)/Van-0	AtMSQTsnp 101	A	64	AtMSQTsnp 101	AG

4.4 col id1=AtMSQTsnp 104 vs col id2=AtMSQTsnp 104

Table 454: col id1=AtMSQTsnp 104 vs col id2=AtMSQTsnp 104

	0	0	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	6	0	0	0	2	0	4	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	68	0	0	0	75	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	72	0	0	0	0	0	111	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	2	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

4.5 col id1=AtMSQTsnp 108 vs col id2=AtMSQTsnp 108

Table 455: col id1=AtMSQTsnp 108 vs col id2=AtMSQTsnp 108

	0	0	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	11	0	0	4	0	6	0	0	0	0	0	0	0
A	71	0	4	97	0	0	0	0	0	0	0	0	0

C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G	68	0	0	0	0	77	0	0	2	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 456: detailed difference for col id1=AtMSQTsnp 108 vs col id2=AtMSQTsnp 108

row id1	col id1	call1	row id2	col id2	call2
(6977, 1)/Van-0	AtMSQTsnp 108	G	64	AtMSQTsnp 108	AG
(8400, 1)/Van-0	AtMSQTsnp 108	G	64	AtMSQTsnp 108	AG

4.6 col id1=AtMSQTsnp 11 vs col id2=AtMSQTsnp 11

Table 457: col id1=AtMSQTsnp 11 vs col id2=AtMSQTsnp 11

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	4	0	0	0	2	0	3	0	0	0	0	0	0	
A	0	0	0	0	0	0	0	0	0	0	0	0	0	
C	47	0	2	0	61	0	0	0	0	0	0	0	0	
G	0	0	0	0	0	0	0	0	0	0	0	0	0	
T	101	0	0	0	0	0	118	0	0	0	0	2	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 458: detailed difference for col id1=AtMSQTsnp 11 vs col id2=AtMSQTsnp 11

row id1	col id1	call1	row id2	col id2	call2
(6977, 1)/Van-0	AtMSQTsnp 11	T	64	AtMSQTsnp 11	CT
(8400, 1)/Van-0	AtMSQTsnp 11	T	64	AtMSQTsnp 11	CT

4.7 col id1=AtMSQTsnp 114 vs col id2=AtMSQTsnp 114

Table 459: col id1=AtMSQTsnp 114 vs col id2=AtMSQTsnp 114

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	3	0	1	1	0	5	0	0	0	0	0	0	0	
A	47	0	0	68	0	2	0	0	2	0	0	0	0	
C	0	0	0	0	0	0	0	0	0	0	0	0	0	
G	98	0	0	2	0	111	0	0	0	0	0	0	0	
T	0	0	0	0	0	0	0	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 460: detailed difference for col id1=AtMSQTsnp 114 vs col id2=AtMSQTsnp 114

row id1	col id1	call1	row id2	col id2	call2
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(6907, 1)/CIBC-17	AtMSQTsnp 114	A	40	AtMSQTsnp 114	G
(6924, 1)/HR-5	AtMSQTsnp 114	A	33	AtMSQTsnp 114	AG
(6929, 1)/Kondara	AtMSQTsnp 114	G	88	AtMSQTsnp 114	A
(8276, 1)/CIBC-17	AtMSQTsnp 114	A	40	AtMSQTsnp 114	G
(8309, 1)/HR-5	AtMSQTsnp 114	A	33	AtMSQTsnp 114	AG
(8319, 1)/Kondara	AtMSQTsnp 114	G	88	AtMSQTsnp 114	A

4.8 col id1=AtMSQTsnp 118 vs col id2=AtMSQTsnp 118

Table 461: col id1=AtMSQTsnp 118 vs col id2=AtMSQTsnp 118

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	2	0	3	1	0	0	0	0	0	0	0	0	0
A	65	0	10	87	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	80	0	16	0	0	75	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	1	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

4.9 col id1=AtMSQTsnp 12 vs col id2=AtMSQTsnp 12

Table 462: col id1=AtMSQTsnp 12 vs col id2=AtMSQTsnp 12

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	8	0	0	5	0	2	0	0	0	0	0	0	0
A	76	0	0	107	0	2	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	64	0	0	1	0	75	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 463: detailed difference for col id1=AtMSQTsnp 12 vs col id2=AtMSQTsnp 12

row id1	col id1	call1	row id2	col id2	call2
(5837, 2)/Bor-1	AtMSQTsnp 12	G	27	AtMSQTsnp 12	A
(6977, 1)/Van-0	AtMSQTsnp 12	A	64	AtMSQTsnp 12	G
(8400, 1)/Van-0	AtMSQTsnp 12	A	64	AtMSQTsnp 12	G

4.10 col id1=AtMSQTsnp 123 vs col id2=AtMSQTsnp 123

Table 464: col id1=AtMSQTsnp 123 vs col id2=AtMSQTsnp 123

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	2	0	0	4	0	2	0	0	0	0	0	0	0
A	80	0	0	105	0	1	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	64	0	6	0	0	74	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0

AG	2	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 465: detailed difference for col id1=AtMSQTsnp 123 vs col id2=AtMSQTsnp 123

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 123	A	27	AtMSQTsnp 123	G

4.11 col id1=AtMSQTsnp 126 vs col id2=AtMSQTsnp 126

Table 466: col id1=AtMSQTsnp 126 vs col id2=AtMSQTsnp 126

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	2	0	3	0	0	3	0	0	0	0	0	0	0
A	31	0	6	54	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	115	0	19	0	0	106	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	1	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

4.12 col id1=AtMSQTsnp 128 vs col id2=AtMSQTsnp 128

Table 467: col id1=AtMSQTsnp 128 vs col id2=AtMSQTsnp 128

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	1	0	0	2	1	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	107	0	3	0	0	131	0	0	0	0	0	0	0
T	36	0	0	0	0	0	54	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	1	0	0	0	0	0	0	0	0	0	0	0	0

4.13 col id1=AtMSQTsnp 129 vs col id2=AtMSQTsnp 129

Table 468: col id1=AtMSQTsnp 129 vs col id2=AtMSQTsnp 129

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	5	0	1	1	0	1	0	0	1	0	0	0	0
A	59	0	12	52	0	1	0	0	1	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	93	0	1	0	0	111	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	1	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0

GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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Table 469: detailed difference for col id1=AtMSQTsnp 129 vs col id2=AtMSQTsnp 129

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 129	A	27	AtMSQTsnp 129	G
(8400, 1)/Van-0	AtMSQTsnp 129	A	64	AtMSQTsnp 129	AG

4.14 col id1=AtMSQTsnp 130 vs col id2=AtMSQTsnp 130

Table 470: col id1=AtMSQTsnp 130 vs col id2=AtMSQTsnp 130

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	0	0	0	0	6	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	37	0	12	0	48	0	1	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	108	0	28	0	0	0	97	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 471: detailed difference for col id1=AtMSQTsnp 130 vs col id2=AtMSQTsnp 130

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 130	C	27	AtMSQTsnp 130	T

4.15 col id1=AtMSQTsnp 132 vs col id2=AtMSQTsnp 132

Table 472: col id1=AtMSQTsnp 132 vs col id2=AtMSQTsnp 132

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	0	0	3	0	4	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	75	0	0	0	91	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	67	0	2	0	0	0	92	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	3	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

4.16 col id1=AtMSQTsnp 138 vs col id2=AtMSQTsnp 138

Table 473: col id1=AtMSQTsnp 138 vs col id2=AtMSQTsnp 138

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	18	0	2	0	20	0	3	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	30	0	2	0	50	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	89	0	0	0	3	0	103	0	0	0	0	0	0

AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	11	0	0	0	9	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 474: detailed difference for col id1=AtMSQTsnp 138 vs col id2=AtMSQTsnp 138

row id1	col id1	call1	row id2	col id2	call2
(6915, 1)/Ei-2	AtMSQTsnp 138	T	53	AtMSQTsnp 138	C
(6917, 1)/F2	AtMSQTsnp 138	CT	13	AtMSQTsnp 138	C
(6923, 1)/HR-10	AtMSQTsnp 138	CT	34	AtMSQTsnp 138	C
(6937, 1)/Mrk-0	AtMSQTsnp 138	CT	72	AtMSQTsnp 138	C
(6942, 1)/Nd-1	AtMSQTsnp 138	T	56	AtMSQTsnp 138	C
(7516, 1)/V-1	AtMSQTsnp 138	CT	17	AtMSQTsnp 138	C
(8273, 1)/C24	AtMSQTsnp 138	CT	57	AtMSQTsnp 138	C
(8277, 1)/CIBC-5	AtMSQTsnp 138	CT	39	AtMSQTsnp 138	C
(8316, 1)/Kin-0	AtMSQTsnp 138	CT	91	AtMSQTsnp 138	C
(8341, 1)/Mt-0	AtMSQTsnp 138	CT	79	AtMSQTsnp 138	C
(8394, 1)/Tsu-1	AtMSQTsnp 138	T	78	AtMSQTsnp 138	C
(8408, 1)/Yo-0	AtMSQTsnp 138	CT	61	AtMSQTsnp 138	C

4.17 col id1=AtMSQTsnp 14 vs col id2=AtMSQTsnp 14

Table 475: col id1=AtMSQTsnp 14 vs col id2=AtMSQTsnp 14

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	2	0	0	1	0	0	5	0	0	0	0	0	0
A	44	0	2	62	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	102	0	0	0	0	0	122	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

4.18 col id1=AtMSQTsnp 140 vs col id2=AtMSQTsnp 140

Table 476: col id1=AtMSQTsnp 140 vs col id2=AtMSQTsnp 140

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	0	1	3	0	0	0	0	0	0	0	0
A	104	2	6	109	2	0	0	0	0	0	0	0	0
C	43	0	4	0	63	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 477: detailed difference for col id1=AtMSQTsnp 140 vs col id2=AtMSQTsnp 140

row id1	col id1	call1	row id2	col id2	call2
(7515, 1)/RRS-10	AtMSQTsnp 140	A	2	AtMSQTsnp 140	C
(8372, 1)/RRS-10	AtMSQTsnp 140	A	2	AtMSQTsnp 140	C

4.19 col id1=AtMSQTsnp 142 vs col id2=AtMSQTsnp 142

Table 478: col id1=AtMSQTsnp 142 vs col id2=AtMSQTsnp 142

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	1	0	1	0	1	0	1	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	98	0	26	0	79	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	47	0	18	0	0	0	66	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	2	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

4.20 col id1=AtMSQTsnp 143 vs col id2=AtMSQTsnp 143

Table 479: col id1=AtMSQTsnp 143 vs col id2=AtMSQTsnp 143

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	6	0	0	4	2	0	0	0	0	0	0	0	0	
A	84	0	6	108	0	0	0	0	0	0	0	0	0	
C	57	0	0	0	72	0	0	0	0	0	0	0	0	
G	0	0	0	0	0	0	0	0	0	0	0	0	0	
T	0	0	0	0	0	0	0	0	0	0	0	0	0	
AC	1	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

4.21 col id1=AtMSQTsnp 145 vs col id2=AtMSQTsnp 145

Table 480: col id1=AtMSQTsnp 145 vs col id2=AtMSQTsnp 145

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	0	0	2	0	1	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	80	0	16	0	76	0	1	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	64	0	8	0	0	0	88	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 481: detailed difference for col id1=AtMSQTsnp 145 vs col id2=AtMSQTsnp 145

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 145	C	27	AtMSQTsnp 145	T

4.22 col id1=AtMSQTsnp 146 vs col id2=AtMSQTsnp 146

Table 482: col id1=AtMSQTsnp 146 vs col id2=AtMSQTsnp 146

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	65	0	3	52	17	19	0	0	0	0	0	0	0
A	56	0	1	65	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	29	0	2	0	0	31	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

4.23 col id1=AtMSQTsnp 15 vs col id2=AtMSQTsnp 15

Table 483: col id1=AtMSQTsnp 15 vs col id2=AtMSQTsnp 15

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	0	0	4	0	3	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	77	0	0	0	125	0	2	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	70	0	0	0	0	0	55	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 484: detailed difference for col id1=AtMSQTsnp 15 vs col id2=AtMSQTsnp 15

row id1	col id1	call1	row id2	col id2	call2
(6930, 1)/KZ-1	AtMSQTsnp 15	C	43	AtMSQTsnp 15	T
(8320, 1)/Kz-1	AtMSQTsnp 15	C	43	AtMSQTsnp 15	T

4.24 col id1=AtMSQTsnp 155 vs col id2=AtMSQTsnp 155

Table 485: col id1=AtMSQTsnp 155 vs col id2=AtMSQTsnp 155

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	1	0	1	2	0	1	0	0	0	0	0	0	0
A	61	0	2	86	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	91	0	1	0	0	94	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

4.25 col id1=AtMSQTsnp 156 vs col id2=AtMSQTsnp 156

Table 486: col id1=AtMSQTsnp 156 vs col id2=AtMSQTsnp 156

|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	1	1	1	0	0	0	4	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	59	0	9	0	74	0	2	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	88	1	2	0	0	0	98	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 487: detailed difference for col id1=AtMSQTsnp 156 vs col id2=AtMSQTsnp 156

row id1	col id1	call1	row id2	col id2	call2
(6910, 1)/Ct-1	AtMSQTsnp 156	C	76	AtMSQTsnp 156	T
(8280, 1)/Ct-1	AtMSQTsnp 156	C	76	AtMSQTsnp 156	T

4.26 col id1=AtMSQTsnp 159 vs col id2=AtMSQTsnp 159

Table 488: col id1=AtMSQTsnp 159 vs col id2=AtMSQTsnp 159

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	2	0	1	0	2	0	4	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	65	0	3	0	88	0	5	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	81	0	0	0	4	0	85	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 489: detailed difference for col id1=AtMSQTsnp 159 vs col id2=AtMSQTsnp 159

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 159	C	27	AtMSQTsnp 159	T
(6907, 1)/CIBC-17	AtMSQTsnp 159	T	40	AtMSQTsnp 159	C
(6932, 1)/Ler-1	AtMSQTsnp 159	C	55	AtMSQTsnp 159	T
(6936, 1)/Lz-0	AtMSQTsnp 159	C	52	AtMSQTsnp 159	T
(6943, 1)/NFA-10	AtMSQTsnp 159	T	36	AtMSQTsnp 159	C
(8276, 1)/CIBC-17	AtMSQTsnp 159	T	40	AtMSQTsnp 159	C
(8324, 1)/Ler-1	AtMSQTsnp 159	C	55	AtMSQTsnp 159	T
(8336, 1)/Lz-0	AtMSQTsnp 159	C	52	AtMSQTsnp 159	T
(8345, 1)/NFA-10	AtMSQTsnp 159	T	36	AtMSQTsnp 159	C

4.27 col id1=AtMSQTsnp 164 vs col id2=AtMSQTsnp 164

Table 490: col id1=AtMSQTsnp 164 vs col id2=AtMSQTsnp 164

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	1	0	0	0	3	0	0	0	0	0	0	0	0
A	60	0	5	55	6	0	0	0	0	0	0	0	0
C	87	0	14	0	109	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0

AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 491: detailed difference for col id1=AtMSQTsnp 164 vs col id2=AtMSQTsnp 164

row id1	col id1	call1	row id2	col id2	call2
(6916, 1)/Est-1	AtMSQTsnp 164	A	66	AtMSQTsnp 164	C
(6958, 1)/Ra-0	AtMSQTsnp 164	A	69	AtMSQTsnp 164	C
(8214, 1)/Gy-0	AtMSQTsnp 164	A	68	AtMSQTsnp 164	C
(8291, 1)/Est-1	AtMSQTsnp 164	A	66	AtMSQTsnp 164	C
(8302, 1)/Gy-0	AtMSQTsnp 164	A	68	AtMSQTsnp 164	C
(8364, 1)/Ra-0	AtMSQTsnp 164	A	69	AtMSQTsnp 164	C

4.28 col id1=AtMSQTsnp 169 vs col id2=AtMSQTsnp 169

Table 492: col id1=AtMSQTsnp 169 vs col id2=AtMSQTsnp 169

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	2	0	0	0	0	4	1	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	114	0	0	0	0	122	0	0	0	0	0	0	0
T	32	0	0	0	0	0	64	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	1	0	0	0	0	0	0	0

Table 493: detailed difference for col id1=AtMSQTsnp 169 vs col id2=AtMSQTsnp 169

row id1	col id1	call1	row id2	col id2	call2
(7438, 1)/N13	AtMSQTsnp 169	GT	58	AtMSQTsnp 169	G

4.29 col id1=AtMSQTsnp 170 vs col id2=AtMSQTsnp 170

Table 494: col id1=AtMSQTsnp 170 vs col id2=AtMSQTsnp 170

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	7	0	0	3	3	0	0	0	0	0	0	0	0
A	81	0	4	82	0	0	0	0	0	0	0	0	0
C	69	0	2	0	88	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	1	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

4.30 col id1=AtMSQTsnp 173 vs col id2=AtMSQTsnp 173

Table 495: col id1=AtMSQTsnp 173 vs col id2=AtMSQTsnp 173

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	10	0	0	2	0	8	0	0	0	0	0	0	0
A	79	0	0	87	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	59	0	4	2	0	89	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 496: detailed difference for col id1=AtMSQTsnp 173 vs col id2=AtMSQTsnp 173

row id1	col id1	call1	row id2	col id2	call2
(6938, 1)/Ms-0	AtMSQTsnp 173	G	92	AtMSQTsnp 173	A
(8340, 1)/Ms-0	AtMSQTsnp 173	G	92	AtMSQTsnp 173	A

4.31 col id1=AtMSQTsnp 174 vs col id2=AtMSQTsnp 174

Table 497: col id1=AtMSQTsnp 174 vs col id2=AtMSQTsnp 174

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	3	0	0	2	0	0	0	0	0	0	0
A	67	0	18	61	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	78	0	19	0	0	89	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

4.32 col id1=AtMSQTsnp 177 vs col id2=AtMSQTsnp 177

Table 498: col id1=AtMSQTsnp 177 vs col id2=AtMSQTsnp 177

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	2	0	0	0	0	2	0	0	0	0	0	0	0
A	38	0	0	52	0	0	0	0	2	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	108	0	2	1	0	133	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 499: detailed difference for col id1=AtMSQTsnp 177 vs col id2=AtMSQTsnp 177

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 177	G	27	AtMSQTsnp 177	A
(6938, 1)/Ms-0	AtMSQTsnp 177	A	92	AtMSQTsnp 177	AG
(8340, 1)/Ms-0	AtMSQTsnp 177	A	92	AtMSQTsnp 177	AG

4.33 col id1=AtMSQTsnp 18 vs col id2=AtMSQTsnp 18

Table 500: col id1=AtMSQTsnp 18 vs col id2=AtMSQTsnp 18

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	1	0	0	0	3	0	0	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	110	0	10	0	123	0	0	0	0	0	0	0	0
G	37	0	2	0	0	54	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

4.34 col id1=AtMSQTsnp 184 vs col id2=AtMSQTsnp 184

Table 501: col id1=AtMSQTsnp 184 vs col id2=AtMSQTsnp 184

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	1	0	0	0	0	0	3	0	0	0	0	0	0
A	48	0	8	43	0	0	2	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	100	0	29	0	0	0	105	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	1	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 502: detailed difference for col id1=AtMSQTsnp 184 vs col id2=AtMSQTsnp 184

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 184	A	27	AtMSQTsnp 184	T
(8400, 1)/Van-0	AtMSQTsnp 184	A	64	AtMSQTsnp 184	T

4.35 col id1=AtMSQTsnp 186 vs col id2=AtMSQTsnp 186

Table 503: col id1=AtMSQTsnp 186 vs col id2=AtMSQTsnp 186

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	1	0	0	0	0	0	3	0	0	0	0	0	0
A	46	0	0	79	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	100	0	0	0	0	0	110	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	1	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

4.36 col id1=AtMSQTsnp 187 vs col id2=AtMSQTsnp 187

Table 504: col id1=AtMSQTsnp 187 vs col id2=AtMSQTsnp 187

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	2	0	0	1	0	0	2	0	0	0	0	0	0	
A	99	0	8	117	0	0	0	0	0	0	0	0	0	
C	0	0	0	0	0	0	0	0	0	0	0	0	0	
G	0	0	0	0	0	0	0	0	0	0	0	0	0	
T	51	0	0	1	0	0	58	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	1	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 505: detailed difference for col id1=AtMSQTsnp 187 vs col id2=AtMSQTsnp 187

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 187	T	27	AtMSQTsnp 187	A

4.37 col id1=AtMSQTsnp 188 vs col id2=AtMSQTsnp 188

Table 506: col id1=AtMSQTsnp 188 vs col id2=AtMSQTsnp 188

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	5	0	0	0	2	0	6	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	110	0	0	0	123	0	1	0	0	0	0	2	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	31	0	0	0	0	0	58	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	2	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 507: detailed difference for col id1=AtMSQTsnp 188 vs col id2=AtMSQTsnp 188

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 188	C	27	AtMSQTsnp 188	T
(6977, 1)/Van-0	AtMSQTsnp 188	C	64	AtMSQTsnp 188	CT
(8400, 1)/Van-0	AtMSQTsnp 188	C	64	AtMSQTsnp 188	CT

4.38 col id1=AtMSQTsnp 189 vs col id2=AtMSQTsnp 189

Table 508: col id1=AtMSQTsnp 189 vs col id2=AtMSQTsnp 189

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	1	0	0	0	0	2	0	0	0	0	0	0	0	
A	81	0	2	90	0	0	0	0	0	0	0	0	0	
C	0	0	0	0	0	0	0	0	0	0	0	0	0	
G	64	0	0	0	0	98	0	0	0	0	0	0	0	
T	0	0	0	0	0	0	0	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	2	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	

CG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

4.39 col id1=AtMSQTsnp 191 vs col id2=AtMSQTsnp 191

Table 509: col id1=AtMSQTsnp 191 vs col id2=AtMSQTsnp 191

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	3	0	0	2	1	0	0	0	0	0	0	0	0	
A	84	0	2	114	1	0	0	0	0	0	0	0	0	
C	58	0	0	0	72	0	0	0	0	0	0	0	0	
G	0	0	0	0	0	0	0	0	0	0	0	0	0	
T	0	0	0	0	0	0	0	0	0	0	0	0	0	
AC	3	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 510: detailed difference for col id1=AtMSQTsnp 191 vs col id2=AtMSQTsnp 191

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 191	A	27	AtMSQTsnp 191	C

4.40 col id1=AtMSQTsnp 194 vs col id2=AtMSQTsnp 194

Table 511: col id1=AtMSQTsnp 194 vs col id2=AtMSQTsnp 194

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	5	0	0	3	0	0	2	0	0	0	0	0	0	
A	47	0	0	83	0	0	0	0	0	0	0	0	0	
C	0	0	0	0	0	0	0	0	0	0	0	0	0	
G	0	0	0	0	0	0	0	0	0	0	0	0	0	
T	95	0	0	1	0	0	101	0	0	2	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	1	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 512: detailed difference for col id1=AtMSQTsnp 194 vs col id2=AtMSQTsnp 194

row id1	col id1	call1	row id2	col id2	call2
(5837, 2)/Bor-1	AtMSQTsnp 194	T	27	AtMSQTsnp 194	A
(6977, 1)/Van-0	AtMSQTsnp 194	T	64	AtMSQTsnp 194	AT
(8400, 1)/Van-0	AtMSQTsnp 194	T	64	AtMSQTsnp 194	AT

4.41 col id1=AtMSQTsnp 197 vs col id2=AtMSQTsnp 197

Table 513: col id1=AtMSQTsnp 197 vs col id2=AtMSQTsnp 197

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	2	0	0	3	0	0	0	0	0	0	0	0	0	
A	140	0	8	121	0	0	0	0	2	0	0	0	0	

C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	16	0	0	0	0	48	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 514: detailed difference for col id1=AtMSQTsnp 197 vs col id2=AtMSQTsnp 197

row id1	col id1	call1	row id2	col id2	call2
(6977, 1)/Van-0	AtMSQTsnp 197	A	64	AtMSQTsnp 197	AG
(8400, 1)/Van-0	AtMSQTsnp 197	A	64	AtMSQTsnp 197	AG

4.42 col id1=AtMSQTsnp 198 vs col id2=AtMSQTsnp 198

Table 515: col id1=AtMSQTsnp 198 vs col id2=AtMSQTsnp 198

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	1	0	0	0	1	0	1	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	33	0	0	0	47	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	113	0	0	0	0	0	143	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

4.43 col id1=AtMSQTsnp 2 vs col id2=AtMSQTsnp 2

Table 516: col id1=AtMSQTsnp 2 vs col id2=AtMSQTsnp 2

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	7	0	0	4	0	10	0	0	0	0	0	0	0
A	58	0	0	93	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	83	0	0	1	0	84	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 517: detailed difference for col id1=AtMSQTsnp 2 vs col id2=AtMSQTsnp 2

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 2	G	27	AtMSQTsnp 2	A

4.44 col id1=AtMSQTsnp 203 vs col id2=AtMSQTsnp 203

Table 518: col id1=AtMSQTsnp 203 vs col id2=AtMSQTsnp 203

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	0	4	0	0	0	0	0	0	0	0	0
A	82	0	8	90	0	0	0	0	0	2	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	63	0	4	0	0	0	82	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	1	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 519: detailed difference for col id1=AtMSQTsnp 203 vs col id2=AtMSQTsnp 203

row id1	col id1	call1	row id2	col id2	call2
(6977, 1)/Van-0	AtMSQTsnp 203	A	64	AtMSQTsnp 203	AT
(8400, 1)/Van-0	AtMSQTsnp 203	A	64	AtMSQTsnp 203	AT

4.45 col id1=AtMSQTsnp 205 vs col id2=AtMSQTsnp 205

Table 520: col id1=AtMSQTsnp 205 vs col id2=AtMSQTsnp 205

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	2	0	0	0	2	0	1	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	112	0	2	0	133	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	34	0	4	0	0	0	50	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

4.46 col id1=AtMSQTsnp 21 vs col id2=AtMSQTsnp 21

Table 521: col id1=AtMSQTsnp 21 vs col id2=AtMSQTsnp 21

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	2	0	3	0	0	0	2	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	84	0	2	0	109	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	59	0	2	0	1	0	70	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	3	0	3	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 522: detailed difference for col id1=AtMSQTsnp 21 vs col id2=AtMSQTsnp 21

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 21	T	27	AtMSQTsnp 21	C

4.47 col id1=AtMSQTsnp 214 vs col id2=AtMSQTsnp 214

Table 523: col id1=AtMSQTsnp 214 vs col id2=AtMSQTsnp 214

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	21	0	0	18	0	33	0	0	0	0	0	0	0
A	62	0	0	63	0	0	0	0	2	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	64	0	0	0	0	76	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	1	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 524: detailed difference for col id1=AtMSQTsnp 214 vs col id2=AtMSQTsnp 214

row id1	col id1	call1	row id2	col id2	call2
(6977, 1)/Van-0	AtMSQTsnp 214	A	64	AtMSQTsnp 214	AG
(8400, 1)/Van-0	AtMSQTsnp 214	A	64	AtMSQTsnp 214	AG

4.48 col id1=AtMSQTsnp 22 vs col id2=AtMSQTsnp 22

Table 525: col id1=AtMSQTsnp 22 vs col id2=AtMSQTsnp 22

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	5	0	0	2	0	5	0	0	0	0	0	0	0
A	64	0	0	66	0	1	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	80	0	0	0	0	116	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	1	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 526: detailed difference for col id1=AtMSQTsnp 22 vs col id2=AtMSQTsnp 22

row id1	col id1	call1	row id2	col id2	call2
(5837, 2)/Bor-1	AtMSQTsnp 22	A	27	AtMSQTsnp 22	G

4.49 col id1=AtMSQTsnp 220 vs col id2=AtMSQTsnp 220

Table 527: col id1=AtMSQTsnp 220 vs col id2=AtMSQTsnp 220

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	2	0	0	1	0	4	0	0	0	0	0	0	0
A	35	0	4	66	0	3	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	115	0	3	1	0	105	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	1	0	0	0	0	0	0	0	0	0	0

AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 528: detailed difference for col id1=AtMSQTsnp 220 vs col id2=AtMSQTsnp 220

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 220	A	27	AtMSQTsnp 220	G
(6938, 1)/Ms-0	AtMSQTsnp 220	G	92	AtMSQTsnp 220	A
(6977, 1)/Van-0	AtMSQTsnp 220	A	64	AtMSQTsnp 220	G
(8400, 1)/Van-0	AtMSQTsnp 220	A	64	AtMSQTsnp 220	G

4.50 col id1=AtMSQTsnp 222 vs col id2=AtMSQTsnp 222

Table 529: col id1=AtMSQTsnp 222 vs col id2=AtMSQTsnp 222

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	6	0	0	0	0	5	5	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	64	0	0	0	0	82	0	0	0	0	0	0	0
T	78	0	0	0	0	1	99	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 530: detailed difference for col id1=AtMSQTsnp 222 vs col id2=AtMSQTsnp 222

row id1	col id1	call1	row id2	col id2	call2
(6938, 1)/Ms-0	AtMSQTsnp 222	T	92	AtMSQTsnp 222	G

4.51 col id1=AtMSQTsnp 223 vs col id2=AtMSQTsnp 223

Table 531: col id1=AtMSQTsnp 223 vs col id2=AtMSQTsnp 223

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	6	0	0	5	0	2	0	0	0	0	0	0	0
A	60	0	0	79	0	4	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	82	0	0	2	0	98	0	0	2	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 532: detailed difference for col id1=AtMSQTsnp 223 vs col id2=AtMSQTsnp 223

row id1	col id1	call1	row id2	col id2	call2
(5837, 2)/Bor-1	AtMSQTsnp 223	A	27	AtMSQTsnp 223	G
(6907, 1)/CIBC-17	AtMSQTsnp 223	A	40	AtMSQTsnp 223	G
(6908, 1)/CIBC-5	AtMSQTsnp 223	G	39	AtMSQTsnp 223	A
(8215, 1)/Fei-0	AtMSQTsnp 223	G	82	AtMSQTsnp 223	AG

(8276, 1)/CIBC-17	AtMSQTsnp 223	A	40	AtMSQTsnp 223	G
(8277, 1)/CIBC-5	AtMSQTsnp 223	G	39	AtMSQTsnp 223	A
(8294, 1)/Fei-0	AtMSQTsnp 223	G	82	AtMSQTsnp 223	AG
(8364, 1)/Ra-0	AtMSQTsnp 223	A	69	AtMSQTsnp 223	G

4.52 col id1=AtMSQTsnp 231 vs col id2=AtMSQTsnp 231

Table 533: col id1=AtMSQTsnp 231 vs col id2=AtMSQTsnp 231

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	22	0	0	28	0	6	0	0	0	0	0	0	0
A	33	0	0	45	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	93	0	6	0	0	107	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

4.53 col id1=AtMSQTsnp 232 vs col id2=AtMSQTsnp 232

Table 534: col id1=AtMSQTsnp 232 vs col id2=AtMSQTsnp 232

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	11	0	0	40	3	0	0	0	0	0	0	0	0
A	69	0	0	66	0	0	0	0	0	0	0	0	0
C	52	0	0	0	71	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	16	0	0	12	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 535: detailed difference for col id1=AtMSQTsnp 232 vs col id2=AtMSQTsnp 232

row id1	col id1	call1	row id2	col id2	call2
(6915, 1)/Ei-2	AtMSQTsnp 232	AC	53	AtMSQTsnp 232	A
(6916, 1)/Est-1	AtMSQTsnp 232	AC	66	AtMSQTsnp 232	A
(6942, 1)/Nd-1	AtMSQTsnp 232	AC	56	AtMSQTsnp 232	A
(6943, 1)/NFA-10	AtMSQTsnp 232	AC	36	AtMSQTsnp 232	A
(6946, 1)/Oy-0	AtMSQTsnp 232	AC	95	AtMSQTsnp 232	A
(6970, 1)/Ts-1	AtMSQTsnp 232	AC	84	AtMSQTsnp 232	A
(6972, 1)/Tsu-1	AtMSQTsnp 232	AC	78	AtMSQTsnp 232	A
(6979, 1)/Wei-0	AtMSQTsnp 232	AC	59	AtMSQTsnp 232	A
(6984, 1)/Zdr-1	AtMSQTsnp 232	AC	25	AtMSQTsnp 232	A
(7524, 1)/Rmx-A02	AtMSQTsnp 232	AC	5	AtMSQTsnp 232	A
(7526, 1)/Pna-10	AtMSQTsnp 232	AC	8	AtMSQTsnp 232	A
(8215, 1)/Fei-0	AtMSQTsnp 232	AC	82	AtMSQTsnp 232	A

4.54 col id1=AtMSQTsnp 235 vs col id2=AtMSQTsnp 235

Table 536: col id1=AtMSQTsnp 235 vs col id2=AtMSQTsnp 235

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0

NA	1	0	0	0	0	2	0	0	0	0	0	0	0
A	94	0	0	122	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	53	0	0	0	0	68	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

4.55 col id1=AtMSQTsnp 237 vs col id2=AtMSQTsnp 237

Table 537: col id1=AtMSQTsnp 237 vs col id2=AtMSQTsnp 237

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	0	0	0	0	4	0	0	0	0	1	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	104	0	5	0	133	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	40	0	0	0	0	0	48	0	0	0	0	1	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 538: detailed difference for col id1=AtMSQTsnp 237 vs col id2=AtMSQTsnp 237

row id1	col id1	call1	row id2	col id2	call2
(8400, 1)/Van-0	AtMSQTsnp 237	T	64	AtMSQTsnp 237	CT

4.56 col id1=AtMSQTsnp 242 vs col id2=AtMSQTsnp 242

Table 539: col id1=AtMSQTsnp 242 vs col id2=AtMSQTsnp 242

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	1	0	2	0	1	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	86	0	5	0	122	0	0	0	0	0	0	2	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	59	0	0	0	0	0	59	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 540: detailed difference for col id1=AtMSQTsnp 242 vs col id2=AtMSQTsnp 242

row id1	col id1	call1	row id2	col id2	call2
(6977, 1)/Van-0	AtMSQTsnp 242	C	64	AtMSQTsnp 242	CT
(8400, 1)/Van-0	AtMSQTsnp 242	C	64	AtMSQTsnp 242	CT

4.57 col id1=AtMSQTsnp 244 vs col id2=AtMSQTsnp 244

Table 541: col id1=AtMSQTsnp 244 vs col id2=AtMSQTsnp 244

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	0	7	0	2	0	0	0	0	0	0	0
A	91	0	5	108	0	2	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	57	0	6	2	0	56	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 542: detailed difference for col id1=AtMSQTsnp 244 vs col id2=AtMSQTsnp 244

row id1	col id1	call1	row id2	col id2	call2
(6907, 1)/CIBC-17	AtMSQTsnp 244	A	40	AtMSQTsnp 244	G
(6908, 1)/CIBC-5	AtMSQTsnp 244	G	39	AtMSQTsnp 244	A
(8276, 1)/CIBC-17	AtMSQTsnp 244	A	40	AtMSQTsnp 244	G
(8277, 1)/CIBC-5	AtMSQTsnp 244	G	39	AtMSQTsnp 244	A

4.58 col id1=AtMSQTsnp 249 vs col id2=AtMSQTsnp 249

Table 543: col id1=AtMSQTsnp 249 vs col id2=AtMSQTsnp 249

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	0	2	0	3	0	0	0	0	0	0	0
A	100	0	0	135	0	0	0	0	2	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	44	0	0	1	0	49	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 544: detailed difference for col id1=AtMSQTsnp 249 vs col id2=AtMSQTsnp 249

row id1	col id1	call1	row id2	col id2	call2
(5837, 2)/Bor-1	AtMSQTsnp 249	G	27	AtMSQTsnp 249	A
(6938, 1)/Ms-0	AtMSQTsnp 249	A	92	AtMSQTsnp 249	AG
(8340, 1)/Ms-0	AtMSQTsnp 249	A	92	AtMSQTsnp 249	AG

4.59 col id1=AtMSQTsnp 254 vs col id2=AtMSQTsnp 254

Table 545: col id1=AtMSQTsnp 254 vs col id2=AtMSQTsnp 254

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	7	11	0	4	4	0	0	0	0	0	0	0	0
A	48	0	0	64	1	0	0	0	0	0	0	0	0
C	93	0	2	0	106	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0

AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 546: detailed difference for col id1=AtMSQTsnp 254 vs col id2=AtMSQTsnp 254

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 254	A	27	AtMSQTsnp 254	C

4.60 col id1=AtMSQTsnp 260 vs col id2=AtMSQTsnp 260

Table 547: col id1=AtMSQTsnp 260 vs col id2=AtMSQTsnp 260

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	10	0	0	3	1	0	0	0	0	0	0	0	0
A	53	0	6	60	2	0	0	2	0	0	0	0	0
C	97	0	6		98	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	2	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 548: detailed difference for col id1=AtMSQTsnp 260 vs col id2=AtMSQTsnp 260

row id1	col id1	call1	row id2	col id2	call2
(6977, 1)/Van-0	AtMSQTsnp 260	A	64	AtMSQTsnp 260	AC
(6984, 1)/Zdr-1	AtMSQTsnp 260	A	25	AtMSQTsnp 260	C
(8400, 1)/Van-0	AtMSQTsnp 260	A	64	AtMSQTsnp 260	AC
(8409, 1)/Zdr-1	AtMSQTsnp 260	A	25	AtMSQTsnp 260	C

4.61 col id1=AtMSQTsnp 263 vs col id2=AtMSQTsnp 263

Table 549: col id1=AtMSQTsnp 263 vs col id2=AtMSQTsnp 263

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	2	0	0	0	2	0	0	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	40	0	4	0	61	0	1	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	112	0	2	0	0	0	116	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 550: detailed difference for col id1=AtMSQTsnp 263 vs col id2=AtMSQTsnp 263

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 263	C	27	AtMSQTsnp 263	T

4.62 col id1=AtMSQTsnp 266 vs col id2=AtMSQTsnp 266

Table 551: col id1=AtMSQTsnp 266 vs col id2=AtMSQTsnp 266

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	2	0	0	0	0	1	1	0	0	0	0	0	1
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	60	0	0	0	0	57	0	0	0	0	0	0	1
T	86	0	0	0	0	0	129	0	0	0	0	0	2
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 552: detailed difference for col id1=AtMSQTsnp 266 vs col id2=AtMSQTsnp 266

row id1	col id1	call1	row id2	col id2	call2
(6960, 1)/REN-11	AtMSQTsnp 266	G	48	AtMSQTsnp 266	GT
(6977, 1)/Van-0	AtMSQTsnp 266	T	64	AtMSQTsnp 266	GT
(8400, 1)/Van-0	AtMSQTsnp 266	T	64	AtMSQTsnp 266	GT

4.63 col id1=AtMSQTsnp 267 vs col id2=AtMSQTsnp 267

Table 553: col id1=AtMSQTsnp 267 vs col id2=AtMSQTsnp 267

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	2	0	0	0	1	0	0	0	0	0	0	1	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	33	0	0	0	40	0	0	0	0	0	0	1	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	117	0	2	0	0	0	59	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	51	0	2	0	31	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 554: detailed difference for col id1=AtMSQTsnp 267 vs col id2=AtMSQTsnp 267

row id1	col id1	call1	row id2	col id2	call2
(6897, 1)/Ag-0	AtMSQTsnp 267	CT	67	AtMSQTsnp 267	C
(6904, 1)/Br-0	AtMSQTsnp 267	CT	65	AtMSQTsnp 267	C
(6907, 1)/CIBC-17	AtMSQTsnp 267	CT	40	AtMSQTsnp 267	C
(6920, 1)/GOT-22	AtMSQTsnp 267	CT	46	AtMSQTsnp 267	C
(6921, 1)/GOT-7	AtMSQTsnp 267	CT	45	AtMSQTsnp 267	C
(6959, 1)/REN-1	AtMSQTsnp 267	CT	47	AtMSQTsnp 267	C
(6960, 1)/REN-11	AtMSQTsnp 267	CT	48	AtMSQTsnp 267	C
(6961, 1)/Se-0	AtMSQTsnp 267	CT	83	AtMSQTsnp 267	C
(6971, 1)/Ts-5	AtMSQTsnp 267	CT	85	AtMSQTsnp 267	C
(6976, 1)/Uod-7	AtMSQTsnp 267	CT	50	AtMSQTsnp 267	C
(6980, 1)/Ws-0	AtMSQTsnp 267	CT	60	AtMSQTsnp 267	C
(6985, 1)/Zdr-6	AtMSQTsnp 267	CT	26	AtMSQTsnp 267	C
(7515, 1)/RRS-10	AtMSQTsnp 267	CT	2	AtMSQTsnp 267	C
(7519, 1)/	AtMSQTsnp 267	CT	22	AtMSQTsnp 267	C
(7523, 1)/Pna-17	AtMSQTsnp 267	CT	7	AtMSQTsnp 267	C
(7526, 1)/Pna-10	AtMSQTsnp 267	CT	8	AtMSQTsnp 267	C
(8251, 1)/Ag-0	AtMSQTsnp 267	CT	67	AtMSQTsnp 267	C
(8269, 1)/Br-0	AtMSQTsnp 267	CT	65	AtMSQTsnp 267	C
(8276, 1)/CIBC-17	AtMSQTsnp 267	CT	40	AtMSQTsnp 267	C
(8298, 1)/Got-22	AtMSQTsnp 267	CT	46	AtMSQTsnp 267	C
(8299, 1)/Got-7	AtMSQTsnp 267	CT	45	AtMSQTsnp 267	C

(8350, 1)/	AtMSQTsnp 267	CT	22	AtMSQTsnp 267	C
(8358, 1)/Pna-10	AtMSQTsnp 267	CT	8	AtMSQTsnp 267	C
(8359, 1)/Pna-17	AtMSQTsnp 267	CT	7	AtMSQTsnp 267	C
(8367, 1)/Ren-1	AtMSQTsnp 267	CT	47	AtMSQTsnp 267	C
(8372, 1)/RRS-10	AtMSQTsnp 267	CT	2	AtMSQTsnp 267	C
(8379, 1)/Se-0	AtMSQTsnp 267	CT	83	AtMSQTsnp 267	C
(8393, 1)/Ts-5	AtMSQTsnp 267	CT	85	AtMSQTsnp 267	C
(8399, 1)/Uod-7	AtMSQTsnp 267	CT	50	AtMSQTsnp 267	C
(8400, 1)/Van-0	AtMSQTsnp 267	C	64	AtMSQTsnp 267	CT
(8405, 1)/Ws-0	AtMSQTsnp 267	CT	60	AtMSQTsnp 267	C
(8410, 1)/Zdr-6	AtMSQTsnp 267	CT	26	AtMSQTsnp 267	C

4.64 col id1=AtMSQTsnp 27 vs col id2=AtMSQTsnp 27

Table 555: col id1=AtMSQTsnp 27 vs col id2=AtMSQTsnp 27

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	2	0	0	3	0	1	0	0	0	0	0	0	0
A	91	0	2	107	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	56	0	0	0	0	77	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	1	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

4.65 col id1=AtMSQTsnp 274 vs col id2=AtMSQTsnp 274

Table 556: col id1=AtMSQTsnp 274 vs col id2=AtMSQTsnp 274

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	0	0	0	7	5	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	23	0	5	0	0	124	4	0	0	0	0	0	0
T	24	0	1	0	0	3	140	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 557: detailed difference for col id1=AtMSQTsnp 274 vs col id2=AtMSQTsnp 274

row id1	col id1	call1	row id2	col id2	call2
(6088, 1)/Stu1-1	AtMSQTsnp 274	T	363	AtMSQTsnp 274	G
(8234, 1)/Gul1-2	AtMSQTsnp 274	T	356	AtMSQTsnp 274	G
(8244, 1)/PHW-34	AtMSQTsnp 274	G	304	AtMSQTsnp 274	T
(8246, 1)/NC-6	AtMSQTsnp 274	G	294	AtMSQTsnp 274	T
(8284, 1)/DraII-1	AtMSQTsnp 274	G	381	AtMSQTsnp 274	T
(8356, 1)/Pi-0	AtMSQTsnp 274	G	336	AtMSQTsnp 274	T
(8380, 1)/Sf-1	AtMSQTsnp 274	T	300	AtMSQTsnp 274	G

4.66 col id1=AtMSQTsnp 278 vs col id2=AtMSQTsnp 278

Table 558: col id1=AtMSQTsnp 278 vs col id2=AtMSQTsnp 278

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	1	11	0	5	0	0	0	0	0	0	0
A	18	0	11	72	0	2	0	0	1	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	29	0	18	3	0	165	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 559: detailed difference for col id1=AtMSQTsnp 278 vs col id2=AtMSQTsnp 278

row id1	col id1	call1	row id2	col id2	call2
(5837, 2)/Bor-1	AtMSQTsnp 278	A	27	AtMSQTsnp 278	G
(6008, 2)/Duk	AtMSQTsnp 278	G	378	AtMSQTsnp 278	A
(6042, 1)/Lom1-1	AtMSQTsnp 278	G	351	AtMSQTsnp 278	A
(8246, 1)/NC-6	AtMSQTsnp 278	A	294	AtMSQTsnp 278	G
(8284, 1)/DraII-1	AtMSQTsnp 278	A	381	AtMSQTsnp 278	AG
(8380, 1)/Sf-1	AtMSQTsnp 278	G	300	AtMSQTsnp 278	A

4.67 col id1=AtMSQTsnp 279 vs col id2=AtMSQTsnp 279

Table 560: col id1=AtMSQTsnp 279 vs col id2=AtMSQTsnp 279

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	1	0	1	0	0	0	3	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	18	0	12	0	80	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	32	0	19	0	1	0	172	0	0	0	0	1	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 561: detailed difference for col id1=AtMSQTsnp 279 vs col id2=AtMSQTsnp 279

row id1	col id1	call1	row id2	col id2	call2
(8284, 1)/DraII-1	AtMSQTsnp 279	T	381	AtMSQTsnp 279	CT
(8356, 1)/Pi-0	AtMSQTsnp 279	T	336	AtMSQTsnp 279	C

4.68 col id1=AtMSQTsnp 281 vs col id2=AtMSQTsnp 281

Table 562: col id1=AtMSQTsnp 281 vs col id2=AtMSQTsnp 281

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	2	0	3	0	1	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	71	0	6	0	87	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	72	0	7	0	2	0	83	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0

CT	1	0	0	0	0	0	0	1	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 563: detailed difference for col id1=AtMSQTsnp 281 vs col id2=AtMSQTsnp 281

row id1	col id1	call1	row id2	col id2	call2
(6959, 1)/REN-1	AtMSQTsnp 281	CT	47	AtMSQTsnp 281	T
(6977, 1)/Van-0	AtMSQTsnp 281	T	64	AtMSQTsnp 281	C
(8400, 1)/Van-0	AtMSQTsnp 281	T	64	AtMSQTsnp 281	C

4.69 col id1=AtMSQTsnp 282 vs col id2=AtMSQTsnp 282

Table 564: col id1=AtMSQTsnp 282 vs col id2=AtMSQTsnp 282

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	6	0	0	0	0	0	6	0	0	0	0	0	0	
A	59	0	0	54	0	0	0	0	0	1	0	0	0	
C	0	0	0	0	0	0	0	0	0	0	0	0	0	
G	0	0	0	0	0	0	0	0	0	0	0	0	0	
T	87	0	4	0	0	0	122	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	1	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 565: detailed difference for col id1=AtMSQTsnp 282 vs col id2=AtMSQTsnp 282

row id1	col id1	call1	row id2	col id2	call2
(6918, 1)/F4	AtMSQTsnp 282	A	14	AtMSQTsnp 282	AT

4.70 col id1=AtMSQTsnp 285 vs col id2=AtMSQTsnp 285

Table 566: col id1=AtMSQTsnp 285 vs col id2=AtMSQTsnp 285

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	2	0	0	0	1	0	1	0	0	0	0	0	0	
A	0	0	0	0	0	0	0	0	0	0	0	0	0	
C	36	0	0	0	61	0	0	0	0	0	0	1	0	
G	0	0	0	0	0	0	0	0	0	0	0	0	0	
T	115	0	0	0	0	0	119	0	0	0	0	2	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	1	0	0	0	0	0	0	0	0	0	0	1	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 567: detailed difference for col id1=AtMSQTsnp 285 vs col id2=AtMSQTsnp 285

row id1	col id1	call1	row id2	col id2	call2
(6960, 1)/REN-11	AtMSQTsnp 285	C	48	AtMSQTsnp 285	CT
(6977, 1)/Van-0	AtMSQTsnp 285	T	64	AtMSQTsnp 285	CT
(8400, 1)/Van-0	AtMSQTsnp 285	T	64	AtMSQTsnp 285	CT

4.71 col id1=AtMSQTsnp 286 vs col id2=AtMSQTsnp 286

Table 568: col id1=AtMSQTsnp 286 vs col id2=AtMSQTsnp 286

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	1	0	0	0	2	1	0	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	78	0	2	0	109	0	0	0	0	0	0	0	0
G	69	0	0	0	1	77	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 569: detailed difference for col id1=AtMSQTsnp 286 vs col id2=AtMSQTsnp 286

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 286	G	27	AtMSQTsnp 286	C

4.72 col id1=AtMSQTsnp 288 vs col id2=AtMSQTsnp 288

Table 570: col id1=AtMSQTsnp 288 vs col id2=AtMSQTsnp 288

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	1	4	0	3	0	0	0	0	0	0	0
A	70	0	3	82	0	1	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	73	0	8	0	0	90	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	1	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 571: detailed difference for col id1=AtMSQTsnp 288 vs col id2=AtMSQTsnp 288

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 288	A	27	AtMSQTsnp 288	G

4.73 col id1=AtMSQTsnp 29 vs col id2=AtMSQTsnp 29

Table 572: col id1=AtMSQTsnp 29 vs col id2=AtMSQTsnp 29

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	5	0	0	3	0	0	4	0	0	0	0	0	0
A	46	0	0	61	0	0	0	0	0	2	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	97	0	0	0	0	0	122	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0

GT	0	0	0	0	0	0	0	0	0	0	0	0	0
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Table 573: detailed difference for col id1=AtMSQTsnp 29 vs col id2=AtMSQTsnp 29

row id1	col id1	call1	row id2	col id2	call2
(6977, 1)/Van-0	AtMSQTsnp 29	A	64	AtMSQTsnp 29	AT
(8400, 1)/Van-0	AtMSQTsnp 29	A	64	AtMSQTsnp 29	AT

4.74 col id1=AtMSQTsnp 292 vs col id2=AtMSQTsnp 292

Table 574: col id1=AtMSQTsnp 292 vs col id2=AtMSQTsnp 292

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	6	0	1	0	2	0	4	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	45	0	4	0	65	0	2	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	96	0	5	0	0	0	109	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 575: detailed difference for col id1=AtMSQTsnp 292 vs col id2=AtMSQTsnp 292

row id1	col id1	call1	row id2	col id2	call2
(6910, 1)/Ct-1	AtMSQTsnp 292	C	76	AtMSQTsnp 292	T
(8280, 1)/Ct-1	AtMSQTsnp 292	C	76	AtMSQTsnp 292	T

4.75 col id1=AtMSQTsnp 294 vs col id2=AtMSQTsnp 294

Table 576: col id1=AtMSQTsnp 294 vs col id2=AtMSQTsnp 294

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	7	0	0	0	0	4	9	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	93	0	0	0	0	108	1	0	0	0	0	0	0
T	48	0	0	0	0	0	70	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 577: detailed difference for col id1=AtMSQTsnp 294 vs col id2=AtMSQTsnp 294

row id1	col id1	call1	row id2	col id2	call2
(5837, 2)/Bor-1	AtMSQTsnp 294	G	27	AtMSQTsnp 294	T

4.76 col id1=AtMSQTsnp 30 vs col id2=AtMSQTsnp 30

Table 578: col id1=AtMSQTsnp 30 vs col id2=AtMSQTsnp 30

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	1	0	1	0	3	0	1	0	0	0	0	0	0	
A	0	0	0	0	0	0	0	0	0	0	0	0	0	
C	75	0	12	0	102	0	0	0	0	0	0	0	0	
G	0	0	0	0	0	0	0	0	0	0	0	0	0	
T	72	0	14	0	1	0	58	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 579: detailed difference for col id1=AtMSQTsnp 30 vs col id2=AtMSQTsnp 30

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 30	T	27	AtMSQTsnp 30	C

4.77 col id1=AtMSQTsnp 300 vs col id2=AtMSQTsnp 300

Table 580: col id1=AtMSQTsnp 300 vs col id2=AtMSQTsnp 300

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	2	0	0	2	0	0	0	0	0	0	0	0	0	
A	94	0	0	103	0	0	0	0	0	0	0	0	0	
C	0	0	0	0	0	0	0	0	0	0	0	0	0	
G	52	0	0	1	0	86	0	0	0	0	0	0	0	
T	0	0	0	0	0	0	0	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 581: detailed difference for col id1=AtMSQTsnp 300 vs col id2=AtMSQTsnp 300

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 300	G	27	AtMSQTsnp 300	A

4.78 col id1=AtMSQTsnp 304 vs col id2=AtMSQTsnp 304

Table 582: col id1=AtMSQTsnp 304 vs col id2=AtMSQTsnp 304

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	4	0	1	0	9	0	2	0	0	0	0	0	0	
A	0	0	0	0	0	0	0	0	0	0	0	0	0	
C	45	0	10	0	59	0	0	0	0	0	0	0	0	
G	0	0	0	0	0	0	0	0	0	0	0	0	0	
T	100	0	10	0	2	0	95	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	1	0	1	0	0	0	1	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 583: detailed difference for col id1=AtMSQTsnp 304 vs col id2=AtMSQTsnp 304

row id1	col id1	call1	row id2	col id2	call2
(6908, 1)/CIBC-5	AtMSQTsnp 304	T	39	AtMSQTsnp 304	C
(6924, 1)/HR-5	AtMSQTsnp 304	CT	33	AtMSQTsnp 304	T
(8277, 1)/CIBC-5	AtMSQTsnp 304	T	39	AtMSQTsnp 304	C

4.79 col id1=AtMSQTsnp 306 vs col id2=AtMSQTsnp 306

Table 584: col id1=AtMSQTsnp 306 vs col id2=AtMSQTsnp 306

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	7	0	3	0	3	3	0	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	87	0	29	0	76	2	0	0	0	0	0	0	0
G	58	0	16	0	0	53	0	0	0	0	2	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	1	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 585: detailed difference for col id1=AtMSQTsnp 306 vs col id2=AtMSQTsnp 306

row id1	col id1	call1	row id2	col id2	call2
(6908, 1)/CIBC-5	AtMSQTsnp 306	C	39	AtMSQTsnp 306	G
(6920, 1)/GOT-22	AtMSQTsnp 306	G	46	AtMSQTsnp 306	CG
(8277, 1)/CIBC-5	AtMSQTsnp 306	C	39	AtMSQTsnp 306	G
(8298, 1)/Got-22	AtMSQTsnp 306	G	46	AtMSQTsnp 306	CG

4.80 col id1=AtMSQTsnp 307 vs col id2=AtMSQTsnp 307

Table 586: col id1=AtMSQTsnp 307 vs col id2=AtMSQTsnp 307

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	0	1	0	0	4	0	0	0	0	0	0
A	67	0	0	77	0	0	3	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	86	0	0	2	0	0	95	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	2	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 587: detailed difference for col id1=AtMSQTsnp 307 vs col id2=AtMSQTsnp 307

row id1	col id1	call1	row id2	col id2	call2
(6907, 1)/CIBC-17	AtMSQTsnp 307	T	40	AtMSQTsnp 307	A
(6908, 1)/CIBC-5	AtMSQTsnp 307	A	39	AtMSQTsnp 307	T
(8276, 1)/CIBC-17	AtMSQTsnp 307	T	40	AtMSQTsnp 307	A
(8277, 1)/CIBC-5	AtMSQTsnp 307	A	39	AtMSQTsnp 307	T
(8293, 1)/F4	AtMSQTsnp 307	A	14	AtMSQTsnp 307	T

4.81 col id1=AtMSQTsnp 31 vs col id2=AtMSQTsnp 31

Table 588: col id1=AtMSQTsnp 31 vs col id2=AtMSQTsnp 31

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	4	0	0	0	0	4	0	0	0	0	0	0	0	
A	0	0	0	0	0	0	0	0	0	0	0	0	0	
C	0	0	0	0	0	0	0	0	0	0	0	0	0	
G	83	0	4	0	0	113	0	0	0	0	0	0	0	
T	60	0	0	0	0	1	70	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	1	0	0	0	0	0	0	0	0	0	0	0	0	

Table 589: detailed difference for col id1=AtMSQTsnp 31 vs col id2=AtMSQTsnp 31

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 31	T	27	AtMSQTsnp 31	G

4.82 col id1=AtMSQTsnp 310 vs col id2=AtMSQTsnp 310

Table 590: col id1=AtMSQTsnp 310 vs col id2=AtMSQTsnp 310

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	5	0	1	4	1	0	0	0	0	0	0	0	0
A	94	0	11	95	1	0	0	0	0	0	0	0	0
C	49	0	8	0	71	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 591: detailed difference for col id1=AtMSQTsnp 310 vs col id2=AtMSQTsnp 310

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 310	A	27	AtMSQTsnp 310	C

4.83 col id1=AtMSQTsnp 312 vs col id2=AtMSQTsnp 312

Table 592: col id1=AtMSQTsnp 312 vs col id2=AtMSQTsnp 312

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	7	0	0	0	1	0	5	0	0	0	0	0	0	
A	0	0	0	0	0	0	0	0	0	0	0	0	0	
C	43	0	2	0	57	0	0	0	0	0	0	0	0	
G	0	0	0	0	0	0	0	0	0	0	0	0	0	
T	97	0	4	0	0	0	123	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	1	0	0	0	0	0	0	0	0	0	0	0	0	

GT	0	0	0	0	0	0	0	0	0	0	0	0	0
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4.84 col id1=AtMSQTsnp 315 vs col id2=AtMSQTsnp 315

Table 593: col id1=AtMSQTsnp 315 vs col id2=AtMSQTsnp 315

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	1	0	1	0	0	0	4	0	0	0	0	0	0
A	35	0	4	41	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	115	0	24	0	0	0	113	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	1	0	0	0	0	0	1	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 594: detailed difference for col id1=AtMSQTsnp 315 vs col id2=AtMSQTsnp 315

row id1	col id1	call1	row id2	col id2	call2
(6897, 1)/Ag-0	AtMSQTsnp 315	AT	67	AtMSQTsnp 315	T

4.85 col id1=AtMSQTsnp 321 vs col id2=AtMSQTsnp 321

Table 595: col id1=AtMSQTsnp 321 vs col id2=AtMSQTsnp 321

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	2	0	1	3	2	0	0	0	0	0	0	0	0
A	30	0	17	53	3	0	0	0	0	0	0	0	0
C	116	0	34	4	75	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 596: detailed difference for col id1=AtMSQTsnp 321 vs col id2=AtMSQTsnp 321

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 321	A	27	AtMSQTsnp 321	C
(6907, 1)/CIBC-17	AtMSQTsnp 321	A	40	AtMSQTsnp 321	C
(6908, 1)/CIBC-5	AtMSQTsnp 321	C	39	AtMSQTsnp 321	A
(6958, 1)/Ra-0	AtMSQTsnp 321	C	69	AtMSQTsnp 321	A
(8276, 1)/CIBC-17	AtMSQTsnp 321	A	40	AtMSQTsnp 321	C
(8277, 1)/CIBC-5	AtMSQTsnp 321	C	39	AtMSQTsnp 321	A
(8364, 1)/Ra-0	AtMSQTsnp 321	C	69	AtMSQTsnp 321	A

4.86 col id1=AtMSQTsnp 323 vs col id2=AtMSQTsnp 323

Table 597: col id1=AtMSQTsnp 323 vs col id2=AtMSQTsnp 323

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0

NA	5	0	0	4	0	1	0	0	0	0	0	0	0
A	93	0	4	103	0	0	0	0	2	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	59	0	0	1	0	65	0	0	2	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	1	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 598: detailed difference for col id1=AtMSQTsnp 323 vs col id2=AtMSQTsnp 323

row id1	col id1	call1	row id2	col id2	call2
(5837, 2)/Bor-1	AtMSQTsnp 323	G	27	AtMSQTsnp 323	A
(6938, 1)/Ms-0	AtMSQTsnp 323	G	92	AtMSQTsnp 323	AG
(6977, 1)/Van-0	AtMSQTsnp 323	A	64	AtMSQTsnp 323	AG
(8340, 1)/Ms-0	AtMSQTsnp 323	G	92	AtMSQTsnp 323	AG
(8400, 1)/Van-0	AtMSQTsnp 323	A	64	AtMSQTsnp 323	AG

4.87 col id1=AtMSQTsnp 325 vs col id2=AtMSQTsnp 325

Table 599: col id1=AtMSQTsnp 325 vs col id2=AtMSQTsnp 325

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	3	0	2	0	0	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	101	0	35	0	76	0	1	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	41	0	23	0	2	0	50	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	2	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 600: detailed difference for col id1=AtMSQTsnp 325 vs col id2=AtMSQTsnp 325

row id1	col id1	call1	row id2	col id2	call2
(5837, 2)/Bor-1	AtMSQTsnp 325	C	27	AtMSQTsnp 325	T
(6937, 1)/Mrk-0	AtMSQTsnp 325	T	72	AtMSQTsnp 325	C
(8339, 1)/Mrk-0	AtMSQTsnp 325	T	72	AtMSQTsnp 325	C

4.88 col id1=AtMSQTsnp 327 vs col id2=AtMSQTsnp 327

Table 601: col id1=AtMSQTsnp 327 vs col id2=AtMSQTsnp 327

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	31	0	35	0	0	26	43	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	49	0	11	0	0	32	1	0	0	0	0	0	0
T	67	0	8	0	0	2	34	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	1	0	0	0	0	0	0	0	0	0	0	0	0

Table 602: detailed difference for col id1=AtMSQTsnp 327 vs col id2=AtMSQTsnp 327

row id1	col id1	call1	row id2	col id2	call2
(6907, 1)/CIBC-17	AtMSQTsnp 327	T	40	AtMSQTsnp 327	G
(6908, 1)/CIBC-5	AtMSQTsnp 327	G	39	AtMSQTsnp 327	T
(8276, 1)/CIBC-17	AtMSQTsnp 327	T	40	AtMSQTsnp 327	G

4.89 col id1=AtMSQTsnp 33 vs col id2=AtMSQTsnp 33

Table 603: col id1=AtMSQTsnp 33 vs col id2=AtMSQTsnp 33

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	144	0	2	0	0	94	83	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	3	0	0	0	0	13	0	0	0	0	0	0	0
T	1	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

4.90 col id1=AtMSQTsnp 331 vs col id2=AtMSQTsnp 331

Table 604: col id1=AtMSQTsnp 331 vs col id2=AtMSQTsnp 331

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	1	0	0	0	2	0	0	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	69	0	0	0	99	2	0	0	0	0	0	0	0
G	76	0	0	0	0	89	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	2	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 605: detailed difference for col id1=AtMSQTsnp 331 vs col id2=AtMSQTsnp 331

row id1	col id1	call1	row id2	col id2	call2
(6938, 1)/Ms-0	AtMSQTsnp 331	C	92	AtMSQTsnp 331	G
(8340, 1)/Ms-0	AtMSQTsnp 331	C	92	AtMSQTsnp 331	G

4.91 col id1=AtMSQTsnp 334 vs col id2=AtMSQTsnp 334

Table 606: col id1=AtMSQTsnp 334 vs col id2=AtMSQTsnp 334

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	0	0	6	0	0	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	116	0	4	0	94	0	6	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	28	0	2	0	5	0	75	0	0	0	0	0	0

AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 607: detailed difference for col id1=AtMSQTsnp 334 vs col id2=AtMSQTsnp 334

row id1	col id1	call1	row id2	col id2	call2
(6907, 1)/CIBC-17	AtMSQTsnp 334	C	40	AtMSQTsnp 334	T
(6908, 1)/CIBC-5	AtMSQTsnp 334	T	39	AtMSQTsnp 334	C
(6945, 1)/Nok-3	AtMSQTsnp 334	T	80	AtMSQTsnp 334	C
(6972, 1)/Tsu-1	AtMSQTsnp 334	C	78	AtMSQTsnp 334	T
(6982, 1)/Wt-5	AtMSQTsnp 334	C	74	AtMSQTsnp 334	T
(8276, 1)/CIBC-17	AtMSQTsnp 334	C	40	AtMSQTsnp 334	T
(8277, 1)/CIBC-5	AtMSQTsnp 334	T	39	AtMSQTsnp 334	C
(8347, 1)/Nok-3	AtMSQTsnp 334	T	80	AtMSQTsnp 334	C
(8364, 1)/Ra-0	AtMSQTsnp 334	T	69	AtMSQTsnp 334	C
(8394, 1)/Tsu-1	AtMSQTsnp 334	C	78	AtMSQTsnp 334	T
(8407, 1)/Wt-5	AtMSQTsnp 334	C	74	AtMSQTsnp 334	T

4.92 col id1=AtMSQTsnp 343 vs col id2=AtMSQTsnp 343

Table 608: col id1=AtMSQTsnp 343 vs col id2=AtMSQTsnp 343

	0	0	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	0	0	1	0	3	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	81	0	0	0	105	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	63	0	0	0	1	0	82	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 609: detailed difference for col id1=AtMSQTsnp 343 vs col id2=AtMSQTsnp 343

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 343	T	27	AtMSQTsnp 343	C

4.93 col id1=AtMSQTsnp 350 vs col id2=AtMSQTsnp 350

Table 610: col id1=AtMSQTsnp 350 vs col id2=AtMSQTsnp 350

	0	0	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	2	0	0	2	0	5	0	0	0	0	0	0	0
A	42	0	0	69	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	104	0	0	0	0	116	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

4.94 col id1=AtMSQTsnp 351 vs col id2=AtMSQTsnp 351

Table 611: col id1=AtMSQTsnp 351 vs col id2=AtMSQTsnp 351

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	7	0	0	1	0	4	0	0	0	0	0	0	0
A	35	0	0	56	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	106	0	0	0	0	131	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

4.95 col id1=AtMSQTsnp 355 vs col id2=AtMSQTsnp 355

Table 612: col id1=AtMSQTsnp 355 vs col id2=AtMSQTsnp 355

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	8	0	0	0	0	1	3	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	37	0	0	0	0	46	1	0	0	0	0	0	0
T	120	0	0	0	0	0	124	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 613: detailed difference for col id1=AtMSQTsnp 355 vs col id2=AtMSQTsnp 355

row id1	col id1	call1	row id2	col id2	call2
(5837, 2)/Bor-1	AtMSQTsnp 355	G	27	AtMSQTsnp 355	T

4.96 col id1=AtMSQTsnp 358 vs col id2=AtMSQTsnp 358

Table 614: col id1=AtMSQTsnp 358 vs col id2=AtMSQTsnp 358

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	5	0	0	1	0	4	0	0	0	0	0	0	0
A	52	0	0	68	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	91	0	0	1	0	118	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 615: detailed difference for col id1=AtMSQTsnp 358 vs col id2=AtMSQTsnp 358

row id1	col id1	call1	row id2	col id2	call2
(5837, 2)/Bor-1	AtMSQTsnp 358	G	27	AtMSQTsnp 358	A

4.97 col id1=AtMSQTsnp 359 vs col id2=AtMSQTsnp 359

Table 616: col id1=AtMSQTsnp 359 vs col id2=AtMSQTsnp 359

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	0	0	0	2	1	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	76	0	2	0	0	74	0	0	0	0	0	0	2
T	71	0	2	0	0	0	107	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 617: detailed difference for col id1=AtMSQTsnp 359 vs col id2=AtMSQTsnp 359

row id1	col id1	call1	row id2	col id2	call2
(6977, 1)/Van-0	AtMSQTsnp 359	G	64	AtMSQTsnp 359	GT
(8400, 1)/Van-0	AtMSQTsnp 359	G	64	AtMSQTsnp 359	GT

4.98 col id1=AtMSQTsnp 360 vs col id2=AtMSQTsnp 360

Table 618: col id1=AtMSQTsnp 360 vs col id2=AtMSQTsnp 360

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	10	0	0	0	0	5	1	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	102	0	6	0	0	109	0	0	0	0	0	0	0
T	51	0	2	0	0	0	54	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

4.99 col id1=AtMSQTsnp 361 vs col id2=AtMSQTsnp 361

Table 619: col id1=AtMSQTsnp 361 vs col id2=AtMSQTsnp 361

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	0	3	0	3	0	0	0	0	0	0	0
A	66	0	0	87	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	79	0	0	0	0	99	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

4.100 col id1=AtMSQTsnp 368 vs col id2=AtMSQTsnp 368

Table 620: col id1=AtMSQTsnp 368 vs col id2=AtMSQTsnp 368

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	1	0	0	3	0	1	0	0	0	0	0	0	0	
A	52	0	0	84	0	0	0	0	0	0	0	0	0	
C	0	0	0	0	0	0	0	0	0	0	0	0	0	
G	95	0	0	1	0	103	0	0	0	0	0	0	0	
T	0	0	0	0	0	0	0	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 621: detailed difference for col id1=AtMSQTsnp 368 vs col id2=AtMSQTsnp 368

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 368	G	27	AtMSQTsnp 368	A

4.101 col id1=AtMSQTsnp 370 vs col id2=AtMSQTsnp 370

Table 622: col id1=AtMSQTsnp 370 vs col id2=AtMSQTsnp 370

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	13	0	7	11	0	2	0	0	0	0	0	0	0
A	49	0	0	70	0	1	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	94	0	7	8	0	78	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 623: detailed difference for col id1=AtMSQTsnp 370 vs col id2=AtMSQTsnp 370

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 370	A	27	AtMSQTsnp 370	G
(6043, 1)/L	AtMSQTsnp 370	G	11	AtMSQTsnp 370	A
(6046, 1)/L	AtMSQTsnp 370	G	12	AtMSQTsnp 370	A
(6900, 1)/Bil-5	AtMSQTsnp 370	G	15	AtMSQTsnp 370	A
(6901, 1)/Bil-7	AtMSQTsnp 370	G	16	AtMSQTsnp 370	A
(6935, 1)/L	AtMSQTsnp 370	G	12	AtMSQTsnp 370	A
(6971, 1)/Ts-5	AtMSQTsnp 370	G	85	AtMSQTsnp 370	A
(6981, 1)/Ws-2	AtMSQTsnp 370	G	96	AtMSQTsnp 370	A
(8263, 1)/Bil-7	AtMSQTsnp 370	G	16	AtMSQTsnp 370	A

4.102 col id1=AtMSQTsnp 372 vs col id2=AtMSQTsnp 372

Table 624: col id1=AtMSQTsnp 372 vs col id2=AtMSQTsnp 372

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	40	0	4	3	0	34	0	0	0	0	0	0	0
A	77	0	32	82	0	0	0	0	0	0	0	0	0

C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G	31	0	5	0	0	32	0	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

4.103 col id1=AtMSQTsnp 373 vs col id2=AtMSQTsnp 373

Table 625: col id1=AtMSQTsnp 373 vs col id2=AtMSQTsnp 373

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	8	0	4	0	0	1	0	0	0	0	0	0	0	
A	35	0	4	37	0	1	0	0	0	0	0	0	0	
C	0	0	0	0	0	0	0	0	0	0	0	0	0	
G	108	0	21	2	0	107	0	0	0	0	0	0	0	
T	0	0	0	0	0	0	0	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	11	0	1	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 626: detailed difference for col id1=AtMSQTsnp 373 vs col id2=AtMSQTsnp 373

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 373	A	27	AtMSQTsnp 373	G
(7519, 1)/	AtMSQTsnp 373	G	22	AtMSQTsnp 373	A
(8350, 1)/	AtMSQTsnp 373	G	22	AtMSQTsnp 373	A

4.104 col id1=AtMSQTsnp 378 vs col id2=AtMSQTsnp 378

Table 627: col id1=AtMSQTsnp 378 vs col id2=AtMSQTsnp 378

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	4	0	0	0	3	1	4	0	0	0	0	0	0	
A	0	0	0	0	0	0	0	0	0	0	0	0	0	
C	51	0	0	0	87	2	0	0	0	0	2	0	0	
G	93	0	2	0	0	91	0	0	0	0	0	0	0	
T	0	0	0	0	0	0	0	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 628: detailed difference for col id1=AtMSQTsnp 378 vs col id2=AtMSQTsnp 378

row id1	col id1	call1	row id2	col id2	call2
(6927, 1)/KNO-10	AtMSQTsnp 378	C	3	AtMSQTsnp 378	G
(6977, 1)/Van-0	AtMSQTsnp 378	C	64	AtMSQTsnp 378	CG
(8317, 1)/Kno-10	AtMSQTsnp 378	C	3	AtMSQTsnp 378	G
(8400, 1)/Van-0	AtMSQTsnp 378	C	64	AtMSQTsnp 378	CG

4.105 col id1=AtMSQTsnp 379 vs col id2=AtMSQTsnp 379

Table 629: col id1=AtMSQTsnp 379 vs col id2=AtMSQTsnp 379

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	2	0	0	1	0	1	0	0	0	0	0	0	0
A	58	0	6	94	0	1	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	87	0	0	0	0	89	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	1	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 630: detailed difference for col id1=AtMSQTsnp 379 vs col id2=AtMSQTsnp 379

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 379	A	27	AtMSQTsnp 379	G

4.106 col id1=AtMSQTsnp 38 vs col id2=AtMSQTsnp 38

Table 631: col id1=AtMSQTsnp 38 vs col id2=AtMSQTsnp 38

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	1	0	0	2	1	0	0	0	0	0	0	0	0
A	120	0	14	120	0	0	0	0	0	0	0	0	0
C	26	0	2	0	53	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	1	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

4.107 col id1=AtMSQTsnp 388 vs col id2=AtMSQTsnp 388

Table 632: col id1=AtMSQTsnp 388 vs col id2=AtMSQTsnp 388

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	8	0	0	2	7	0	0	0	0	0	0	0	0	
A	21	0	0	48	1	0	0	0	0	0	0	0	0	
C	119	0	0	2	132	0	0	0	0	0	0	0	0	
G	0	0	0	0	0	0	0	0	0	0	0	0	0	
T	0	0	0	0	0	0	0	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 633: detailed difference for col id1=AtMSQTsnp 388 vs col id2=AtMSQTsnp 388

row id1	col id1	call1	row id2	col id2	call2
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(5837, 1)/Bor-1	AtMSQTsnp 388	A	27	AtMSQTsnp 388	C
(6959, 1)/REN-1	AtMSQTsnp 388	C	47	AtMSQTsnp 388	A
(8367, 1)/Ren-1	AtMSQTsnp 388	C	47	AtMSQTsnp 388	A

4.108 col id1=AtMSQTsnp 390 vs col id2=AtMSQTsnp 390

Table 634: col id1=AtMSQTsnp 390 vs col id2=AtMSQTsnp 390

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	5	0	0	0	6	0	1	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	106	0	0	0	121	0	1	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	37	0	0	0	0	0	61	0	0	0	0	2	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 635: detailed difference for col id1=AtMSQTsnp 390 vs col id2=AtMSQTsnp 390

row id1	col id1	call1	row id2	col id2	call2
(5837, 2)/Bor-1	AtMSQTsnp 390	C	27	AtMSQTsnp 390	T
(6977, 1)/Van-0	AtMSQTsnp 390	T	64	AtMSQTsnp 390	CT
(8400, 1)/Van-0	AtMSQTsnp 390	T	64	AtMSQTsnp 390	CT

4.109 col id1=AtMSQTsnp 392 vs col id2=AtMSQTsnp 392

Table 636: col id1=AtMSQTsnp 392 vs col id2=AtMSQTsnp 392

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	1	0	0	0	0	2	0	0	0	0	0	0	0
A	37	0	4	43	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	110	0	27	2	0	114	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 637: detailed difference for col id1=AtMSQTsnp 392 vs col id2=AtMSQTsnp 392

row id1	col id1	call1	row id2	col id2	call2
(6959, 1)/REN-1	AtMSQTsnp 392	G	47	AtMSQTsnp 392	A
(8367, 1)/Ren-1	AtMSQTsnp 392	G	47	AtMSQTsnp 392	A

4.110 col id1=AtMSQTsnp 394 vs col id2=AtMSQTsnp 394

Table 638: col id1=AtMSQTsnp 394 vs col id2=AtMSQTsnp 394

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0

NA	1	0	0	1	0	1	0	0	0	0	0	0	0
A	89	0	2	106	0	1	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	58	0	2	0	0	79	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 639: detailed difference for col id1=AtMSQTsnp 394 vs col id2=AtMSQTsnp 394

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 394	A	27	AtMSQTsnp 394	G

4.111 col id1=AtMSQTsnp 395 vs col id2=AtMSQTsnp 395

Table 640: col id1=AtMSQTsnp 395 vs col id2=AtMSQTsnp 395

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	5	0	0	4	0	2	0	0	0	0	0	0	0
A	98	0	0	114	0	0	0	0	2	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	44	0	0	0	0	70	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	1	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 641: detailed difference for col id1=AtMSQTsnp 395 vs col id2=AtMSQTsnp 395

row id1	col id1	call1	row id2	col id2	call2
(6977, 1)/Van-0	AtMSQTsnp 395	A	64	AtMSQTsnp 395	AG
(8400, 1)/Van-0	AtMSQTsnp 395	A	64	AtMSQTsnp 395	AG

4.112 col id1=AtMSQTsnp 397 vs col id2=AtMSQTsnp 397

Table 642: col id1=AtMSQTsnp 397 vs col id2=AtMSQTsnp 397

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	1	0	0	0	0	2	0	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	108	0	5	0	0	128	0	0	0	0	0	0	0
T	38	0	0	0	0	0	55	0	0	0	0	0	2
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	1	0	0	0	0	0	0	0	0	0	0	0	0

Table 643: detailed difference for col id1=AtMSQTsnp 397 vs col id2=AtMSQTsnp 397

row id1	col id1	call1	row id2	col id2	call2
(6977, 1)/Van-0	AtMSQTsnp 397	T	64	AtMSQTsnp 397	GT
(8400, 1)/Van-0	AtMSQTsnp 397	T	64	AtMSQTsnp 397	GT

4.113 col id1=AtMSQTsnp 398 vs col id2=AtMSQTsnp 398

Table 644: col id1=AtMSQTsnp 398 vs col id2=AtMSQTsnp 398

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	22	0	0	0	21	30	0	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	62	0	0	0	67	0	0	0	0	0	0	0	0
G	64	0	0	0	1	73	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 645: detailed difference for col id1=AtMSQTsnp 398 vs col id2=AtMSQTsnp 398

row id1	col id1	call1	row id2	col id2	call2
(5837, 2)/Bor-1	AtMSQTsnp 398	G	27	AtMSQTsnp 398	C

4.114 col id1=AtMSQTsnp 399 vs col id2=AtMSQTsnp 399

Table 646: col id1=AtMSQTsnp 399 vs col id2=AtMSQTsnp 399

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	0	4	0	2	0	0	0	0	0	0	0
A	91	0	0	117	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	52	0	0	0	0	69	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	1	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

4.115 col id1=AtMSQTsnp 4 vs col id2=AtMSQTsnp 4

Table 647: col id1=AtMSQTsnp 4 vs col id2=AtMSQTsnp 4

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	5	0	0	4	1	0	0	0	0	0	0	0	0
A	54	0	2	69	0	0	0	0	0	0	0	0	0
C	92	0	0	0	113	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

4.116 col id1=AtMSQTsnp 40 vs col id2=AtMSQTsnp 40

Table 648: col id1=AtMSQTsnp 40 vs col id2=AtMSQTsnp 40

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	5	0	0	0	6	0	0	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	101	0	0	0	99	1	0	0	0	0	0	0	0
G	42	0	0	0	0	86	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 649: detailed difference for col id1=AtMSQTsnp 40 vs col id2=AtMSQTsnp 40

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 40	C	27	AtMSQTsnp 40	G

4.117 col id1=AtMSQTsnp 404 vs col id2=AtMSQTsnp 404

Table 650: col id1=AtMSQTsnp 404 vs col id2=AtMSQTsnp 404

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	2	0	0	0	3	0	3	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	86	0	0	0	103	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	60	0	2	0	0	0	81	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

4.118 col id1=AtMSQTsnp 406 vs col id2=AtMSQTsnp 406

Table 651: col id1=AtMSQTsnp 406 vs col id2=AtMSQTsnp 406

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	2	0	0	3	0	1	0	0	0	0	0	0	0
A	95	0	0	128	0	1	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	50	0	0	0	0	59	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	1	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 652: detailed difference for col id1=AtMSQTsnp 406 vs col id2=AtMSQTsnp 406

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 406	A	27	AtMSQTsnp 406	G

4.119 col id1=AtMSQTsnp 408 vs col id2=AtMSQTsnp 408

Table 653: col id1=AtMSQTsnp 408 vs col id2=AtMSQTsnp 408

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	2	0	0	1	0	1	0	0	0	0	0	0	0
A	77	0	5	109	0	1	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	69	0	0	0	0	75	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 654: detailed difference for col id1=AtMSQTsnp 408 vs col id2=AtMSQTsnp 408

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 408	A	27	AtMSQTsnp 408	G

4.120 col id1=AtMSQTsnp 409 vs col id2=AtMSQTsnp 409

Table 655: col id1=AtMSQTsnp 409 vs col id2=AtMSQTsnp 409

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	17	0	1	0	28	0	19	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	77	0	0	0	90	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	54	0	1	0	0	0	53	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

4.121 col id1=AtMSQTsnp 41 vs col id2=AtMSQTsnp 41

Table 656: col id1=AtMSQTsnp 41 vs col id2=AtMSQTsnp 41

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	0	0	1	0	2	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	78	0	2	0	106	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	66	0	0	0	0	0	81	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0

GT	0	0	0	0	0	0	0	0	0	0	0	0	0
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4.122 col id1=AtMSQTsnp 410 vs col id2=AtMSQTsnp 410

Table 657: col id1=AtMSQTsnp 410 vs col id2=AtMSQTsnp 410

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	0	3	0	2	0	0	0	0	0	0	0
A	97	0	0	99	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	49	0	0	1	0	83	0	0	2	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	1	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 658: detailed difference for col id1=AtMSQTsnp 410 vs col id2=AtMSQTsnp 410

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 410	G	27	AtMSQTsnp 410	A
(6977, 1)/Van-0	AtMSQTsnp 410	G	64	AtMSQTsnp 410	AG
(8400, 1)/Van-0	AtMSQTsnp 410	G	64	AtMSQTsnp 410	AG

4.123 col id1=AtMSQTsnp 412 vs col id2=AtMSQTsnp 412

Table 659: col id1=AtMSQTsnp 412 vs col id2=AtMSQTsnp 412

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	7	0	0	4	0	0	3	0	0	0	0	0	0
A	99	0	4	126	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	44	0	0	0	0	0	53	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

4.124 col id1=AtMSQTsnp 415 vs col id2=AtMSQTsnp 415

Table 660: col id1=AtMSQTsnp 415 vs col id2=AtMSQTsnp 415

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	2	2	0	2	0	0	0	0	0	0	0
A	51	0	17	59	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	94	0	44	2	0	64	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 661: detailed difference for col id1=AtMSQTsnp 415 vs col id2=AtMSQTsnp 415

row id1	col id1	call1	row id2	col id2	call2
(6907, 1)/CIBC-17	AtMSQTsnp 415	G	40	AtMSQTsnp 415	A
(8276, 1)/CIBC-17	AtMSQTsnp 415	G	40	AtMSQTsnp 415	A

4.125 col id1=AtMSQTsnp 47 vs col id2=AtMSQTsnp 47

Table 662: col id1=AtMSQTsnp 47 vs col id2=AtMSQTsnp 47

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	2	0	0	3	2	0	0	0	0	0	0	0	0	
A	95	0	0	115	0	0	0	0	0	0	0	0	0	
C	53	0	2	1	66	0	0	0	0	0	0	0	0	
G	0	0	0	0	0	0	0	0	0	0	0	0	0	
T	0	0	0	0	0	0	0	0	0	0	0	0	0	
AC	1	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 663: detailed difference for col id1=AtMSQTsnp 47 vs col id2=AtMSQTsnp 47

row id1	col id1	call1	row id2	col id2	call2
(8400, 1)/Van-0	AtMSQTsnp 47	C	64	AtMSQTsnp 47	A

4.126 col id1=AtMSQTsnp 48 vs col id2=AtMSQTsnp 48

Table 664: col id1=AtMSQTsnp 48 vs col id2=AtMSQTsnp 48

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	5	0	0	0	3	0	2	0	0	0	0	0	0	
A	0	0	0	0	0	0	0	0	0	0	0	0	0	
C	101	0	2	0	121	0	1	0	0	0	0	0	0	
G	0	0	0	0	0	0	0	0	0	0	0	0	0	
T	42	0	4	0	0	0	59	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 665: detailed difference for col id1=AtMSQTsnp 48 vs col id2=AtMSQTsnp 48

row id1	col id1	call1	row id2	col id2	call2
(5837, 2)/Bor-1	AtMSQTsnp 48	C	27	AtMSQTsnp 48	T

4.127 col id1=AtMSQTsnp 49 vs col id2=AtMSQTsnp 49

Table 666: col id1=AtMSQTsnp 49 vs col id2=AtMSQTsnp 49

|--|--|

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	1	0	0	0	3	0	1	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	71	0	0	0	62	0	1	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	76	6	4	0	0	0	115	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 667: detailed difference for col id1=AtMSQTsnp 49 vs col id2=AtMSQTsnp 49

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 49	C	27	AtMSQTsnp 49	T

4.128 col id1=AtMSQTsnp 53 vs col id2=AtMSQTsnp 53

Table 668: col id1=AtMSQTsnp 53 vs col id2=AtMSQTsnp 53

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	5	0	1	0	2	0	1	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	65	0	1	0	69	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	91	0	12	0	0	0	93	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

4.129 col id1=AtMSQTsnp 54 vs col id2=AtMSQTsnp 54

Table 669: col id1=AtMSQTsnp 54 vs col id2=AtMSQTsnp 54

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	0	4	0	5	0	0	0	0	0	0	0
A	80	0	0	117	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	63	0	0	0	0	66	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	2	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

4.130 col id1=AtMSQTsnp 57 vs col id2=AtMSQTsnp 57

Table 670: col id1=AtMSQTsnp 57 vs col id2=AtMSQTsnp 57

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	1	0	3	0	1	0	0	0	0	0	0

A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	43	0	0	0	48	0	1	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	98	0	0	0	0	0	137	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	3	0	1	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 671: detailed difference for col id1=AtMSQTsnp 57 vs col id2=AtMSQTsnp 57

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 57	C	27	AtMSQTsnp 57	T

4.131 col id1=AtMSQTsnp 58 vs col id2=AtMSQTsnp 58

Table 672: col id1=AtMSQTsnp 58 vs col id2=AtMSQTsnp 58

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	2	0	0	0	3	1	0	0	0	0	1	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	105	0	0	0	116	1	0	0	0	0	0	0	0
G	40	0	0	0	0	69	0	0	0	0	1	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	1	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 673: detailed difference for col id1=AtMSQTsnp 58 vs col id2=AtMSQTsnp 58

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 58	C	27	AtMSQTsnp 58	G
(8400, 1)/Van-0	AtMSQTsnp 58	G	64	AtMSQTsnp 58	CG

4.132 col id1=AtMSQTsnp 60 vs col id2=AtMSQTsnp 60

Table 674: col id1=AtMSQTsnp 60 vs col id2=AtMSQTsnp 60

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	1	1	2	0	0	2	0	0	0	0	0	0
A	100	1	5	120	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	43	0	2	0	0	0	58	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	1	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

4.133 col id1=AtMSQTsnp 61 vs col id2=AtMSQTsnp 61

Table 675: col id1=AtMSQTsnp 61 vs col id2=AtMSQTsnp 61

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	74	0	16	0	55	0	25	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	52	0	7	0	63	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	20	0	1	0	0	0	25	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	2	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

4.134 col id1=AtMSQTsnp 62 vs col id2=AtMSQTsnp 62

Table 676: col id1=AtMSQTsnp 62 vs col id2=AtMSQTsnp 62

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	0	4	0	2	0	0	0	0	0	0	0
A	109	0	0	123	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	35	0	0	0	0	63	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

4.135 col id1=AtMSQTsnp 63 vs col id2=AtMSQTsnp 63

Table 677: col id1=AtMSQTsnp 63 vs col id2=AtMSQTsnp 63

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	9	0	1	5	3	0	0	0	0	0	0	0	0
A	56	0	0	62	0	0	0	2	0	0	0	0	0
C	109	0	16	0	76	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	1	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 678: detailed difference for col id1=AtMSQTsnp 63 vs col id2=AtMSQTsnp 63

row id1	col id1	call1	row id2	col id2	call2
(6977, 1)/Van-0	AtMSQTsnp 63	A	64	AtMSQTsnp 63	AC
(8400, 1)/Van-0	AtMSQTsnp 63	A	64	AtMSQTsnp 63	AC

4.136 col id1=AtMSQTsnp 65 vs col id2=AtMSQTsnp 65

Table 679: col id1=AtMSQTsnp 65 vs col id2=AtMSQTsnp 65

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0

-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	1	0	0	1	0	0	0	0	1	0	0	0	0
A	108	0	0	125	0	0	0	0	1	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	39	0	0	0	0	64	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 680: detailed difference for col id1=AtMSQTsnp 65 vs col id2=AtMSQTsnp 65

row id1	col id1	call1	row id2	col id2	call2
(8400, 1)/Van-0	AtMSQTsnp 65	A	64	AtMSQTsnp 65	AG

4.137 col id1=AtMSQTsnp 67 vs col id2=AtMSQTsnp 67

Table 681: col id1=AtMSQTsnp 67 vs col id2=AtMSQTsnp 67

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	1	0	0	1	0	1	0	0	0	0	0	0	0
A	57	0	0	85	0	1	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	89	0	2	0	0	102	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	1	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 682: detailed difference for col id1=AtMSQTsnp 67 vs col id2=AtMSQTsnp 67

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 67	A	27	AtMSQTsnp 67	G

4.138 col id1=AtMSQTsnp 69 vs col id2=AtMSQTsnp 69

Table 683: col id1=AtMSQTsnp 69 vs col id2=AtMSQTsnp 69

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	1	0	0	0	0	3	0	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	80	0	3	0	0	117	0	0	0	0	0	0	0
T	67	0	6	0	0	0	63	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

4.139 col id1=AtMSQTsnp 73 vs col id2=AtMSQTsnp 73

Table 684: col id1=AtMSQTsnp 73 vs col id2=AtMSQTsnp 73

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	95	0	0	0	54	0	59	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	19	0	0	0	30	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	34	0	0	0	0	0	49	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

4.140 col id1=AtMSQTsnp 76 vs col id2=AtMSQTsnp 76

Table 685: col id1=AtMSQTsnp 76 vs col id2=AtMSQTsnp 76

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	1	0	0	0	3	0	1	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	53	0	2	0	56	0	1	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	94	0	4	0	0	0	125	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 686: detailed difference for col id1=AtMSQTsnp 76 vs col id2=AtMSQTsnp 76

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 76	C	27	AtMSQTsnp 76	T

4.141 col id1=AtMSQTsnp 8 vs col id2=AtMSQTsnp 8

Table 687: col id1=AtMSQTsnp 8 vs col id2=AtMSQTsnp 8

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	2	0	2	6	0	0	0	0	0	0	0	0	0
A	113	0	28	105	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	33	0	7	0	0	42	0	0	2	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 688: detailed difference for col id1=AtMSQTsnp 8 vs col id2=AtMSQTsnp 8

row id1	col id1	call1	row id2	col id2	call2
(6977, 1)/Van-0	AtMSQTsnp 8	G	64	AtMSQTsnp 8	AG
(8400, 1)/Van-0	AtMSQTsnp 8	G	64	AtMSQTsnp 8	AG

4.142 col id1=AtMSQTsnp 85 vs col id2=AtMSQTsnp 85

Table 689: col id1=AtMSQTsnp 85 vs col id2=AtMSQTsnp 85

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	1	3	0	0	1	0	0	0	0	0	0
A	123	0	9	112	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	26	0	2	0	0	0	60	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

4.143 col id1=AtMSQTsnp 87 vs col id2=AtMSQTsnp 87

Table 690: col id1=AtMSQTsnp 87 vs col id2=AtMSQTsnp 87

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	2	0	0	0	0	0	1	0	0	0	0	1	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	75	0	0	0	107	0	0	0	0	0	0	1	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	73	0	0	0	0	0	80	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 691: detailed difference for col id1=AtMSQTsnp 87 vs col id2=AtMSQTsnp 87

row id1	col id1	call1	row id2	col id2	call2
(8400, 1)/Van-0	AtMSQTsnp 87	C	64	AtMSQTsnp 87	CT

4.144 col id1=AtMSQTsnp 88 vs col id2=AtMSQTsnp 88

Table 692: col id1=AtMSQTsnp 88 vs col id2=AtMSQTsnp 88

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	0	3	0	1	0	0	0	0	0	0	0
A	47	0	0	45	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	103	0	10	1	0	126	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 693: detailed difference for col id1=AtMSQTsnp 88 vs col id2=AtMSQTsnp 88

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 88	G	27	AtMSQTsnp 88	A

4.145 col id1=AtMSQTsnp 9 vs col id2=AtMSQTsnp 9

Table 694: col id1=AtMSQTsnp 9 vs col id2=AtMSQTsnp 9

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	10	0	0	0	0	6	3	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	57	0	0	0	0	88	0	0	0	0	0	0	0
T	82	0	2	0	0	0	90	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	2	0	0	0	0	0	0	0	0	0	0	0	0

4.146 col id1=AtMSQTsnp 90 vs col id2=AtMSQTsnp 90

Table 695: col id1=AtMSQTsnp 90 vs col id2=AtMSQTsnp 90

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	4	0	0	0	1	0	5	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	47	0	0	0	70	0	0	0	0	0	0	2	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	96	0	2	0	0	0	112	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	1	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 696: detailed difference for col id1=AtMSQTsnp 90 vs col id2=AtMSQTsnp 90

row id1	col id1	call1	row id2	col id2	call2
(6977, 1)/Van-0	AtMSQTsnp 90	C	64	AtMSQTsnp 90	CT
(8400, 1)/Van-0	AtMSQTsnp 90	C	64	AtMSQTsnp 90	CT

4.147 col id1=AtMSQTsnp 91 vs col id2=AtMSQTsnp 91

Table 697: col id1=AtMSQTsnp 91 vs col id2=AtMSQTsnp 91

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0
NA	3	0	0	1	0	1	0	0	0	0	0	0	0
A	70	0	0	95	0	1	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	75	0	0	0	0	94	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0

CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 698: detailed difference for col id1=AtMSQTsnp 91 vs col id2=AtMSQTsnp 91

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 91	A	27	AtMSQTsnp 91	G

4.148 col id1=AtMSQTsnp 92 vs col id2=AtMSQTsnp 92

Table 699: col id1=AtMSQTsnp 92 vs col id2=AtMSQTsnp 92

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	2	0	0	0	0	2	0	0	0	0	0	0	0	
A	80	0	9	35	0	2	0	0	0	0	0	0	0	
C	0	0	0	0	0	0	0	0	0	0	0	0	0	
G	111	0	2	0	0	97	0	0	0	0	0	0	0	
T	0	0	0	0	0	0	0	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 700: detailed difference for col id1=AtMSQTsnp 92 vs col id2=AtMSQTsnp 92

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 92	A	27	AtMSQTsnp 92	G
(8400, 1)/Van-0	AtMSQTsnp 92	A	64	AtMSQTsnp 92	G

4.149 col id1=AtMSQTsnp 97 vs col id2=AtMSQTsnp 97

Table 701: col id1=AtMSQTsnp 97 vs col id2=AtMSQTsnp 97

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
-	0	0	0	0	0	0	0	0	0	0	0	0	0	
NA	11	0	0	0	2	16	0	0	0	0	1	0	0	
A	0	0	0	0	0	0	0	0	0	0	0	0	0	
C	80	0	0	0	111	2	0	0	0	0	3	0	0	
G	62	0	0	0	0	49	0	0	0	0	0	0	0	
T	0	0	0	0	0	0	0	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	3	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 702: detailed difference for col id1=AtMSQTsnp 97 vs col id2=AtMSQTsnp 97

row id1	col id1	call1	row id2	col id2	call2
(5837, 2)/Bor-1	AtMSQTsnp 97	C	27	AtMSQTsnp 97	G
(6939, 1)/Mt-0	AtMSQTsnp 97	C	79	AtMSQTsnp 97	G
(6977, 1)/Van-0	AtMSQTsnp 97	C	64	AtMSQTsnp 97	CG
(8293, 1)/F4	AtMSQTsnp 97	C	14	AtMSQTsnp 97	CG
(8400, 1)/Van-0	AtMSQTsnp 97	C	64	AtMSQTsnp 97	CG