

Comparison of 149SNP(2007-10-08 datestamp) and 2010 data

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January 11, 2008

Abstract

Link two data via table ecotype2accession

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4.50	col id1=AtMSQTsnp 222 vs col id2=AtMSQTsnp 222	100
4.51	col id1=AtMSQTsnp 223 vs col id2=AtMSQTsnp 223	100
4.52	col id1=AtMSQTsnp 231 vs col id2=AtMSQTsnp 231	100
4.53	col id1=AtMSQTsnp 232 vs col id2=AtMSQTsnp 232	101
4.54	col id1=AtMSQTsnp 235 vs col id2=AtMSQTsnp 235	101

4.55	col id1=AtMSQTsnp 237 vs col id2=AtMSQTsnp 237	101
4.56	col id1=AtMSQTsnp 242 vs col id2=AtMSQTsnp 242	102
4.57	col id1=AtMSQTsnp 244 vs col id2=AtMSQTsnp 244	102
4.58	col id1=AtMSQTsnp 249 vs col id2=AtMSQTsnp 249	102
4.59	col id1=AtMSQTsnp 254 vs col id2=AtMSQTsnp 254	103
4.60	col id1=AtMSQTsnp 260 vs col id2=AtMSQTsnp 260	103
4.61	col id1=AtMSQTsnp 263 vs col id2=AtMSQTsnp 263	104
4.62	col id1=AtMSQTsnp 266 vs col id2=AtMSQTsnp 266	104
4.63	col id1=AtMSQTsnp 267 vs col id2=AtMSQTsnp 267	104
4.64	col id1=AtMSQTsnp 27 vs col id2=AtMSQTsnp 27	105
4.65	col id1=AtMSQTsnp 274 vs col id2=AtMSQTsnp 274	105
4.66	col id1=AtMSQTsnp 278 vs col id2=AtMSQTsnp 278	105
4.67	col id1=AtMSQTsnp 279 vs col id2=AtMSQTsnp 279	106
4.68	col id1=AtMSQTsnp 281 vs col id2=AtMSQTsnp 281	106
4.69	col id1=AtMSQTsnp 282 vs col id2=AtMSQTsnp 282	107
4.70	col id1=AtMSQTsnp 285 vs col id2=AtMSQTsnp 285	107
4.71	col id1=AtMSQTsnp 286 vs col id2=AtMSQTsnp 286	107
4.72	col id1=AtMSQTsnp 288 vs col id2=AtMSQTsnp 288	108
4.73	col id1=AtMSQTsnp 29 vs col id2=AtMSQTsnp 29	108
4.74	col id1=AtMSQTsnp 292 vs col id2=AtMSQTsnp 292	108
4.75	col id1=AtMSQTsnp 294 vs col id2=AtMSQTsnp 294	109
4.76	col id1=AtMSQTsnp 30 vs col id2=AtMSQTsnp 30	109
4.77	col id1=AtMSQTsnp 300 vs col id2=AtMSQTsnp 300	110
4.78	col id1=AtMSQTsnp 304 vs col id2=AtMSQTsnp 304	110
4.79	col id1=AtMSQTsnp 306 vs col id2=AtMSQTsnp 306	110
4.80	col id1=AtMSQTsnp 307 vs col id2=AtMSQTsnp 307	111
4.81	col id1=AtMSQTsnp 31 vs col id2=AtMSQTsnp 31	111
4.82	col id1=AtMSQTsnp 310 vs col id2=AtMSQTsnp 310	112
4.83	col id1=AtMSQTsnp 312 vs col id2=AtMSQTsnp 312	112
4.84	col id1=AtMSQTsnp 315 vs col id2=AtMSQTsnp 315	112
4.85	col id1=AtMSQTsnp 321 vs col id2=AtMSQTsnp 321	113
4.86	col id1=AtMSQTsnp 323 vs col id2=AtMSQTsnp 323	113
4.87	col id1=AtMSQTsnp 325 vs col id2=AtMSQTsnp 325	113
4.88	col id1=AtMSQTsnp 327 vs col id2=AtMSQTsnp 327	114
4.89	col id1=AtMSQTsnp 33 vs col id2=AtMSQTsnp 33	114
4.90	col id1=AtMSQTsnp 331 vs col id2=AtMSQTsnp 331	114
4.91	col id1=AtMSQTsnp 334 vs col id2=AtMSQTsnp 334	115
4.92	col id1=AtMSQTsnp 343 vs col id2=AtMSQTsnp 343	115
4.93	col id1=AtMSQTsnp 350 vs col id2=AtMSQTsnp 350	116
4.94	col id1=AtMSQTsnp 351 vs col id2=AtMSQTsnp 351	116
4.95	col id1=AtMSQTsnp 355 vs col id2=AtMSQTsnp 355	116
4.96	col id1=AtMSQTsnp 358 vs col id2=AtMSQTsnp 358	117
4.97	col id1=AtMSQTsnp 359 vs col id2=AtMSQTsnp 359	117
4.98	col id1=AtMSQTsnp 360 vs col id2=AtMSQTsnp 360	117
4.99	col id1=AtMSQTsnp 361 vs col id2=AtMSQTsnp 361	118
4.100	col id1=AtMSQTsnp 368 vs col id2=AtMSQTsnp 368	118
4.101	col id1=AtMSQTsnp 370 vs col id2=AtMSQTsnp 370	118
4.102	col id1=AtMSQTsnp 372 vs col id2=AtMSQTsnp 372	119
4.103	col id1=AtMSQTsnp 373 vs col id2=AtMSQTsnp 373	119
4.104	col id1=AtMSQTsnp 378 vs col id2=AtMSQTsnp 378	119
4.105	col id1=AtMSQTsnp 379 vs col id2=AtMSQTsnp 379	120
4.106	col id1=AtMSQTsnp 38 vs col id2=AtMSQTsnp 38	120
4.107	col id1=AtMSQTsnp 388 vs col id2=AtMSQTsnp 388	120
4.108	col id1=AtMSQTsnp 390 vs col id2=AtMSQTsnp 390	121
4.109	col id1=AtMSQTsnp 392 vs col id2=AtMSQTsnp 392	121
4.110	col id1=AtMSQTsnp 394 vs col id2=AtMSQTsnp 394	122
4.111	col id1=AtMSQTsnp 395 vs col id2=AtMSQTsnp 395	122
4.112	col id1=AtMSQTsnp 397 vs col id2=AtMSQTsnp 397	122
4.113	col id1=AtMSQTsnp 398 vs col id2=AtMSQTsnp 398	123
4.114	col id1=AtMSQTsnp 399 vs col id2=AtMSQTsnp 399	123
4.115	col id1=AtMSQTsnp 4 vs col id2=AtMSQTsnp 4	123
4.116	col id1=AtMSQTsnp 40 vs col id2=AtMSQTsnp 40	124
4.117	col id1=AtMSQTsnp 404 vs col id2=AtMSQTsnp 404	124
4.118	col id1=AtMSQTsnp 406 vs col id2=AtMSQTsnp 406	124
4.119	col id1=AtMSQTsnp 408 vs col id2=AtMSQTsnp 408	125
4.120	col id1=AtMSQTsnp 409 vs col id2=AtMSQTsnp 409	125
4.121	col id1=AtMSQTsnp 41 vs col id2=AtMSQTsnp 41	125
4.122	col id1=AtMSQTsnp 410 vs col id2=AtMSQTsnp 410	126
4.123	col id1=AtMSQTsnp 412 vs col id2=AtMSQTsnp 412	126
4.124	col id1=AtMSQTsnp 415 vs col id2=AtMSQTsnp 415	126
4.125	col id1=AtMSQTsnp 47 vs col id2=AtMSQTsnp 47	127
4.126	col id1=AtMSQTsnp 48 vs col id2=AtMSQTsnp 48	127
4.127	col id1=AtMSQTsnp 49 vs col id2=AtMSQTsnp 49	127
4.128	col id1=AtMSQTsnp 53 vs col id2=AtMSQTsnp 53	128
4.129	col id1=AtMSQTsnp 54 vs col id2=AtMSQTsnp 54	128
4.130	col id1=AtMSQTsnp 57 vs col id2=AtMSQTsnp 57	128
4.131	col id1=AtMSQTsnp 58 vs col id2=AtMSQTsnp 58	129
4.132	col id1=AtMSQTsnp 60 vs col id2=AtMSQTsnp 60	129
4.133	col id1=AtMSQTsnp 61 vs col id2=AtMSQTsnp 61	129
4.134	col id1=AtMSQTsnp 62 vs col id2=AtMSQTsnp 62	130
4.135	col id1=AtMSQTsnp 63 vs col id2=AtMSQTsnp 63	130

4.136col id1=AtMSQTsnp 65 vs col id2=AtMSQTsnp 65 130
4.137col id1=AtMSQTsnp 67 vs col id2=AtMSQTsnp 67 131
4.138col id1=AtMSQTsnp 69 vs col id2=AtMSQTsnp 69 131
4.139col id1=AtMSQTsnp 73 vs col id2=AtMSQTsnp 73 131
4.140col id1=AtMSQTsnp 76 vs col id2=AtMSQTsnp 76 132
4.141col id1=AtMSQTsnp 8 vs col id2=AtMSQTsnp 8 132
4.142col id1=AtMSQTsnp 85 vs col id2=AtMSQTsnp 85 132
4.143col id1=AtMSQTsnp 87 vs col id2=AtMSQTsnp 87 133
4.144col id1=AtMSQTsnp 88 vs col id2=AtMSQTsnp 88 133
4.145col id1=AtMSQTsnp 9 vs col id2=AtMSQTsnp 9 133
4.146col id1=AtMSQTsnp 90 vs col id2=AtMSQTsnp 90 134
4.147col id1=AtMSQTsnp 91 vs col id2=AtMSQTsnp 91 134
4.148col id1=AtMSQTsnp 92 vs col id2=AtMSQTsnp 92 135
4.149col id1=AtMSQTsnp 97 vs col id2=AtMSQTsnp 97 135

1 Summary

Table 1: data_y10001101.tsv vs data_2010_x_149SNP_y1.tsv

Table with 14 columns: |, -, NA, A, C, G, T, AC, AG, AT, CG, CT, GT. It contains counts for various categories.

2 Real Mismatches (deletion/NA excluded)

Table 2: mismatches (deletion/NA excluded)

Table with 6 columns: row id1, col id1, call1, row id2, col id2, call2. It lists mismatches between two datasets, showing row IDs, column IDs, and the corresponding calls.

(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 390	C	27	AtMSQTsnp 390	T
(5837, 1)/Bor-1	AtMSQTsnp 394	A	27	AtMSQTsnp 394	G
(5837, 1)/Bor-1	AtMSQTsnp 398	G	27	AtMSQTsnp 398	C
(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 48	C	27	AtMSQTsnp 48	T
(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, 1)/Bor-1	AtMSQTsnp 97	C	27	AtMSQTsnp 97	G
(6008, 2)/Duk	AtMSQTsnp 278	G	378	AtMSQTsnp 278	A
(6042, 2)/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
(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
(8246, 1)/NC-6	AtMSQTsnp 278	A	294	AtMSQTsnp 278	G
(8263, 1)/Bil-7	AtMSQTsnp 370	G	16	AtMSQTsnp 370	A
(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 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 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
(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 306	G	46	AtMSQTsnp 306	CG
(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
(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 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
(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 388	C	47	AtMSQTsnp 388	A
(8372, 1)/RRS-10	AtMSQTsnp 140	A	2	AtMSQTsnp 140	C
(8380, 1)/Sf-1	AtMSQTsnp 274	T	300	AtMSQTsnp 274	G
(8380, 1)/Sf-1	AtMSQTsnp 278	G	300	AtMSQTsnp 278	A

(8394, 1)/Tsu-1	AtMSQTsnp 138	T	78	AtMSQTsnp 138	C
(8394, 1)/Tsu-1	AtMSQTsnp 334	C	78	AtMSQTsnp 334	T
(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 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 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 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 97	C	64	AtMSQTsnp 97	CG
(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

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	19	5	16	1	0	0	0	0	0	0
C	0	0	1	0	21	3	11	0	0	0	0	0	0
G	0	0	1	11	2	17	2	0	0	0	0	0	0
T	1	0	1	2	3	1	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 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 12	G	27	AtMSQTsnp 12	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 194	T	27	AtMSQTsnp 194	A
(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 22	A	27	AtMSQTsnp 22	G
(5837, 1)/Bor-1	AtMSQTsnp 220	A	27	AtMSQTsnp 220	G
(5837, 1)/Bor-1	AtMSQTsnp 223	A	27	AtMSQTsnp 223	G
(5837, 1)/Bor-1	AtMSQTsnp 249	G	27	AtMSQTsnp 249	A
(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 278	A	27	AtMSQTsnp 278	G
(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 294	G	27	AtMSQTsnp 294	T
(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 323	G	27	AtMSQTsnp 323	A
(5837, 1)/Bor-1	AtMSQTsnp 325	C	27	AtMSQTsnp 325	T
(5837, 1)/Bor-1	AtMSQTsnp 343	T	27	AtMSQTsnp 343	C
(5837, 1)/Bor-1	AtMSQTsnp 355	G	27	AtMSQTsnp 355	T
(5837, 1)/Bor-1	AtMSQTsnp 358	G	27	AtMSQTsnp 358	A
(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 390	C	27	AtMSQTsnp 390	T
(5837, 1)/Bor-1	AtMSQTsnp 394	A	27	AtMSQTsnp 394	G
(5837, 1)/Bor-1	AtMSQTsnp 398	G	27	AtMSQTsnp 398	C
(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 48	C	27	AtMSQTsnp 48	T
(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, 1)/Bor-1	AtMSQTsnp 97	C	27	AtMSQTsnp 97	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	2	0	1	5	4	12	3	0	0	0	0	0	0
A	0	0	1	28	0	0	0	0	0	0	0	0	0
C	0	0	0	0	27	0	0	0	0	0	0	0	0
G	0	0	2	0	0	27	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

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

Table 6: 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	29	0	0	0	0	0	0	0	0	0	0	0	0
A	28	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	28	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	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

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

Table 7: 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	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	32	0	0	0	0	0	0	0	0	0	0	0	0
G	39	0	0	1	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

Table 8: 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 9: 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	3	2	1	2	2	0	0	0	0	0	0
A	1	0	3	36	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	3	0	0	29	0	0	0	0	0	0	0
T	1	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	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=(6009, 2) (Eden-1) vs row id2=9

Table 10: row id1=(6009, 2) (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	3	2	1	2	2	0	0	0	0	0	0
A	1	0	3	36	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	3	0	0	29	0	0	0	0	0	0	0
T	1	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	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=(6009, 3) (Eden-1) vs row id2=9

Table 11: row id1=(6009, 3) (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	0	0
NA	0	0	0	1	1	1	1	0	0	0	0	0	0	0
A	1	0	3	37	0	0	0	0	0	0	0	0	0	0
C	0	0	1	0	28	0	0	0	0	0	0	0	0	0
G	0	0	6	0	0	30	0	0	0	0	0	0	0	0
T	1	0	3	0	0	0	35	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

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

Table 12: 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	0	0
NA	30	0	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	0
C	21	0	0	0	0	0	0	0	0	0	0	0	0	0
G	26	0	0	0	0	2	0	0	0	0	0	0	0	0
T	33	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

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

Table 13: 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	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

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

Table 14: 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

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

Table 15: 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	27	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	28	0	0	0	0	0	0	0	0	0	0	0	0
G	30	0	0	0	0	2	0	0	0	0	0	0	0
T	24	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

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

Table 16: 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	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	32	0	0	0	0	0	0	0	0	0	0	0	0
G	35	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

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

Table 17: 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	26	0	0	0	0	0	0	0	0	0	0	0	0
A	33	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	32	0	0	0	0	1	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	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

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

Table 18: 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	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	

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

Table 19: 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	25	0	0	1	0	0	0	0	0	0	0	0	0	
A	32	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	32	0	1	0	0	0	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	

3.16 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	
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	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	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 21: detailed difference for row id1=(6042, 2) (Lom1-1) vs row id2=351

row id1	col id1	call1	row id2	col id2	call2
(6042, 2)/Lom1-1	AtMSQTsnp 278	G	351	AtMSQTsnp 278	A

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

Table 22: 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	
NA	0	0	0	0	0	2	0	0	0	0	0	0	0	
A	1	0	2	35	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	4	1	0	38	0	0	0	0	0	0	0	
T	2	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	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	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 23: 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

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

Table 24: 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	
NA	3	0	5	20	12	19	9	0	0	0	0	0	0	
A	1	0	1	16	0	0	0	0	0	0	0	0	0	
C	0	0	0	0	14	0	0	0	0	0	0	0	0	
G	0	0	4	0	0	21	0	0	0	0	0	0	0	
T	0	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	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	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=(6046, 1) (L) vs row id2=12

Table 25: 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 26: 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

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

Table 27: 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	1	0	3	11	7	7	2	0	0	0	0	0	0
A	0	0	1	26	0	0	0	0	0	0	0	0	0
C	0	0	2	0	18	0	0	0	0	0	0	0	0
G	0	0	1	0	0	35	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

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

Table 28: 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	26	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	20	0	0	0	0	0	0	0	0	0	0	0	0
G	33	0	0	0	0	2	0	0	0	0	0	0	0
T	33	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

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

Table 29: 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

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

Table 30: 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	29	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	30	0	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	0
T	26	0	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	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

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

Table 31: 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	

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

Table 32: 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 33: 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

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

Table 34: 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	30	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	25	0	0	0	0	0	0	0	0	0	0	0	0	
G	26	0	0	0	0	1	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	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

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

Table 35: 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	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	

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

Table 36: 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	

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

Table 37: 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	

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

Table 38: row id1=(7000, 1) () vs row id2=385

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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	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

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

Table 39: 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
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	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

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

Table 40: 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
NA	4	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	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	30	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

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

Table 41: 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
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	39	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	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	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=(7061, 1) () vs row id2=392

Table 42: 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	
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	39	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	

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

Table 43: 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	

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

Table 44: 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	

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

Table 45: row id1=(7072, 1) () vs row id2=393

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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	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

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

Table 46: 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
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

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

Table 47: 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

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

Table 48: 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

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

Table 49: 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

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

Table 50: 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

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

Table 51: 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

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

Table 52: 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	0
NA	4	0	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	0
C	35	0	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	0
T	32	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	2	0	0	0	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

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

Table 53: 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	

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

Table 54: 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	

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

Table 55: 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	

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

Table 56: 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

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

Table 57: 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
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	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	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	1	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	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

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

Table 58: 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

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

Table 59: 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	0
G	38	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	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

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

Table 60: 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

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

Table 61: 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

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

Table 62: 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

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

Table 63: 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

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

Table 64: 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
G	39	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

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

Table 65: 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

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

Table 66: 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	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

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

Table 67: 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	

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

Table 68: 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	

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

Table 69: 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	

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

Table 70: 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

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

Table 71: 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
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

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

Table 72: 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

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

Table 73: 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

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AT	1	0	0	0	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

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

Table 74: 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	

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

Table 75: 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	

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

Table 76: 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	

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

Table 77: 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

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

Table 78: 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
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

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

Table 79: 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

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

Table 80: 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

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

Table 81: 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

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

Table 82: 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

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

Table 83: 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

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

Table 84: 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	0
NA	6	0	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

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

Table 85: 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	

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

Table 86: 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	7	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	31	0	0	0	1	0	0	0	0	0	0	0	0	
G	39	0	2	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	

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

Table 87: row id1=(8222, 2) (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	31	0	0	0	0	0	0	0	0	0	0	0	0	
A	26	0	0	0	0	0	0	0	0	0	0	0	0	
C	25	0	0	0	1	0	0	0	0	0	0	0	0	
G	32	0	2	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	

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

Table 88: 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	36	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	27	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	19	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

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

Table 89: 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	25	0	0	0	0	0	0	0	0	0	0	0	0
A	35	0	1	0	0	0	0	0	0	0	0	0	0
C	22	0	0	0	0	0	0	0	0	0	0	0	0
G	31	0	0	0	0	1	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

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

Table 90: 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	24	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	27	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	29	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	1	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 91: 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

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

Table 92: 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	27	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	26	0	0	0	1	0	0	0	0	0	0	0	0
G	28	0	0	0	0	1	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

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

Table 93: 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	26	0	0	0	0	0	0	0	0	0	0	0	0
A	25	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	38	0	1	0	0	1	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

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

Table 94: 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	29	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	25	0	0	0	1	0	0	0	0	0	0	0	0
G	28	0	0	0	0	1	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

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

Table 95: 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	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

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

Table 96: 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	0	0
NA	28	0	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	0
C	29	0	0	0	0	0	0	0	0	0	0	0	0	0
G	29	0	0	0	0	1	0	0	0	0	0	0	0	0
T	29	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

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

Table 97: 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	0	0
NA	30	0	0	1	0	0	0	0	0	0	0	0	0	0
A	25	0	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	0
G	32	0	0	0	0	0	0	0	0	0	0	0	0	0
T	30	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

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

Table 98: 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	0	0
NA	26	0	0	0	0	0	0	0	0	0	0	0	0	0
A	26	0	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	0
G	31	0	0	0	0	1	0	0	0	0	0	0	0	0
T	32	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

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

Table 99: 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	26	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	27	0	0	0	1	0	0	0	0	0	0	0	0
G	34	0	1	0	0	1	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

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

Table 100: 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	25	0	0	0	0	0	0	0	0	0	0	0	0
A	29	0	1	0	0	0	0	0	0	0	0	0	0
C	35	0	1	0	0	0	0	0	0	0	0	0	0
G	30	0	0	0	0	0	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

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

Table 101: 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	26	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	24	0	0	0	0	0	0	0	0	0	0	0	0
G	36	0	0	0	0	1	1	0	0	0	0	0	0
T	24	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 102: 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

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

Table 103: 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	24	0	0	0	0	0	0	0	0	0	0	0	0

A	28	0	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	0
G	37	0	1	0	0	0	0	0	0	0	0	0	0	0
T	26	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	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

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

Table 104: 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	44	0	0	0	0	0	0	0	0	0	0	0	0	
A	34	0	0	0	0	1	0	0	0	0	0	0	0	
C	11	0	0	0	0	0	0	0	0	0	0	0	0	
G	23	0	0	0	0	0	1	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	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 105: 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

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

Table 106: 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	27	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	21	0	0	0	0	0	0	0	0	0	0	0	0	
G	25	0	0	0	0	1	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	

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

Table 107: 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	2	1	8	18	15	14	10	0	0	0	0	0	0	
A	0	0	2	20	0	0	0	0	0	0	0	0	0	
C	0	0	0	0	21	0	0	0	0	0	0	0	0	
G	0	0	0	0	0	18	0	0	0	0	0	0	0	

T	0	0	1	0	0	0	19	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	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=(8249, 1) (Vimmerby) vs row id2=295

Table 108: 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	26	0	0	0	0	0	0	0	0	0	0	0	0
A	32	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	30	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

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

Table 109: 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	1	0	4	6	6	12	3	0	0	0	0	0	0
A	0	0	2	30	0	0	0	0	0	0	0	0	0
C	0	0	3	0	27	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	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

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

Table 110: 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
NA	33	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	18	0	0	0	0	0	0	0	0	0	0	0	0
G	33	0	0	0	0	1	0	0	0	0	0	0	0
T	32	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

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

Table 111: 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	1	0	1	11	10	6	6	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	23	0	0	0	0	0	0	0	0	
G	0	0	0	0	0	22	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	

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

Table 112: 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	26	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	35	0	0	0	1	0	0	0	0	0	0	0	0
G	30	0	0	0	0	2	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

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

Table 113: 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	27	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	25	0	0	0	1	0	0	0	0	0	0	0	0
G	35	0	1	0	0	1	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

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

Table 114: 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	25	0	0	0	0	0	0	0	0	0	0	0	0	
A	27	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	32	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	

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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

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

Table 115: 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	0	0
NA	26	0	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	0
C	26	0	1	0	0	0	0	0	0	0	0	0	0	0
G	32	0	0	0	0	2	0	0	0	0	0	0	0	0
T	30	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

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

Table 116: 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	0	0
NA	28	0	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	0
C	25	0	1	0	0	0	0	0	0	0	0	0	0	0
G	32	0	1	0	0	1	0	0	0	0	0	0	0	0
T	28	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

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

Table 117: 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	0	0
NA	0	0	1	11	8	10	2	0	0	0	0	0	0	0
A	0	0	2	35	0	0	0	0	0	0	0	0	0	0
C	0	0	0	0	26	0	0	0	0	0	0	0	0	0
G	1	0	0	0	0	24	0	0	0	0	0	0	0	0
T	0	0	1	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	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

3.107 row id1=(8261, 1) (Bg-2) vs row id2=299

Table 118: 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	29	0	0	0	0	0	0	0	0	0	0	0	0
A	28	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	38	0	0	0	0	1	0	0	0	0	0	0	0
T	23	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

3.108 row id1=(8262, 1) (Bil-5) vs row id2=15

Table 119: 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	7	5	12	4	0	0	0	0	0	0
A	0	0	3	32	0	0	0	0	0	0	0	0	0
C	0	0	1	0	20	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	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

3.109 row id1=(8263, 1) (Bil-7) vs row id2=16

Table 120: 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	5	5	11	4	0	0	0	0	0	0
A	0	0	1	35	0	0	0	0	0	0	0	0	0
C	0	0	1	0	20	0	0	0	0	0	0	0	0
G	0	0	1	1	0	31	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 121: 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

3.110 row id1=(8264, 1) (Bla-1) vs row id2=316

Table 122: 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	27	0	0	0	0	0	0	0	0	0	0	0	0

A	31	0	0	1	0	0	0	0	0	0	0	0	0	0
C	28	0	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	0
T	24	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	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=(8265, 1) (Blh-1) vs row id2=317

Table 123: 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	27	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	26	0	0	0	1	0	0	0	0	0	0	0	0	
G	29	0	0	0	0	1	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	

3.112 row id1=(8268, 1) (Bor-4) vs row id2=28

Table 124: 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	1	0	0	8	5	10	3	0	0	0	0	0	0	
A	0	0	0	33	0	0	0	0	0	0	0	0	0	
C	0	0	2	0	21	0	0	0	0	0	0	0	0	
G	0	0	1	0	0	30	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	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.113 row id1=(8269, 1) (Br-0) vs row id2=65

Table 125: 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	2	11	14	11	3	0	0	0	0	0	0	
A	0	0	0	31	0	0	0	0	0	0	0	0	0	
C	0	0	1	0	22	0	0	0	0	0	0	0	0	
G	0	0	1	0	0	26	0	0	0	0	0	0	0	
T	1	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	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.114 row id1=(8270, 1) (Bs-1) vs row id2=318

Table 126: 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	25	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	28	0	0	0	0	2	0	0	0	0	0	0	0
T	24	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

3.115 row id1=(8271, 1) (Bu-0) vs row id2=305

Table 127: 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	27	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	28	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	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

3.116 row id1=(8272, 1) (Bur-0) vs row id2=93

Table 128: 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	2	0	1	7	7	8	8	0	0	0	0	0	0
A	0	0	0	35	0	0	0	0	0	0	0	0	0
C	1	0	1	0	22	0	0	0	0	0	0	0	0
G	1	0	3	0	0	26	0	0	0	0	0	0	0
T	1	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

3.117 row id1=(8273, 1) (C24) vs row id2=57

Table 129: 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	2	0	1	7	8	10	4	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	25	0	0	0	0	0	0	0	0
G	0	0	1	0	0	23	0	0	0	0	0	0	0
T	1	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	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	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 130: 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

3.118 row id1=(8274, 1) (Can-0) vs row id2=319

Table 131: 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	0	0
NA	28	0	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	0
C	24	0	0	0	0	0	0	0	0	0	0	0	0	0
G	34	0	0	0	0	1	0	0	0	0	0	0	0	0
T	27	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	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

3.119 row id1=(8275, 1) (Cen-0) vs row id2=320

Table 132: 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	0	0
NA	32	0	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	0
C	28	0	0	0	1	0	0	0	0	0	0	0	0	0
G	33	0	0	0	0	1	0	0	0	0	0	0	0	0
T	24	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

3.120 row id1=(8276, 1) (CIBC-17) vs row id2=40

Table 133: 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	0	0
NA	0	0	0	9	6	7	3	0	0	0	0	0	0	0
A	0	0	0	33	1	3	0	0	0	0	0	0	0	0
C	0	0	2	0	23	0	1	0	0	0	0	0	0	0
G	0	0	2	1	0	28	0	0	0	0	0	0	0	0
T	1	0	0	1	1	1	26	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 134: 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 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

3.121 row id1=(8277, 1) (CIBC-5) vs row id2=39

Table 135: 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	9	6	9	7	0	0	0	0	0	0	
A	0	0	1	25	0	0	1	0	0	0	0	0	0	
C	0	0	1	1	25	1	0	0	0	0	0	0	0	
G	0	0	1	2	0	34	0	0	0	0	0	0	0	
T	0	0	0	0	2	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	1	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 136: 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

3.122 row id1=(8278, 1) () vs row id2=321

Table 137: 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	60	0	1	0	0	0	1	0	0	0	0	0	0	
A	28	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	
G	21	0	0	0	0	0	0	0	0	0	0	0	0	
T	15	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	

3.123 row id1=(8279, 1) (Col-0) vs row id2=62

Table 138: 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	1	11	6	9	7	0	0	0	0	0	0
A	0	0	0	35	0	0	0	0	0	0	0	0	0
C	0	0	0	0	27	0	0	0	0	0	0	0	0
G	0	0	0	0	0	26	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

3.124 row id1=(8280, 1) (Ct-1) vs row id2=76

Table 139: 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	9	7	7	6	0	0	0	0	0	0
A	0	0	2	29	0	0	0	0	0	0	0	0	0
C	0	0	4	0	25	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	0	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

Table 140: 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 292	C	76	AtMSQTsnp 292	T

3.125 row id1=(8281, 1) (Cvi-0) vs row id2=51

Table 141: 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	1	11	7	7	6	0	0	0	0	0	0
A	0	1	1	23	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	2	0	0	36	0	0	0	0	0	0	0
T	0	0	1	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

3.126 row id1=(8283, 1) (Dra3-1) vs row id2=361

Table 142: 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	27	0	0	0	0	0	0	0	0	0	0	0	0
A	26	0	1	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	36	0	0	0	0	1	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	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

3.127 row id1=(8284, 1) (DraII-1) vs row id2=381

Table 143: 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	26	0	0	0	0	0	0	0	0	0	0	0	0
A	25	0	0	0	0	0	0	0	1	0	0	0	0
C	27	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	31	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	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	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 144: 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

3.128 row id1=(8285, 1) (DraIII-1) vs row id2=382

Table 145: 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	29	0	0	0	0	0	0	0	0	0	0	0	0
A	31	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	27	0	0	0	0	0	0	0	0	0	0	0	0
T	30	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

3.129 row id1=(8287, 1) (Eden-2) vs row id2=10

Table 146: 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	4	10	8	8	3	0	0	0	0	0	0	
A	1	0	2	25	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	4	0	0	24	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	

3.130 row id1=(8288, 1) (Edi-0) vs row id2=94

Table 147: 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	1	0	3	10	4	10	6	0	0	0	0	0	0	
A	1	0	3	31	0	0	0	0	0	0	0	0	0	
C	0	0	0	0	22	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	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	

3.131 row id1=(8289, 1) (Ei-2) vs row id2=53

Table 148: 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	1	7	6	8	7	0	0	0	0	0	0	
A	0	0	0	32	0	0	0	0	0	0	0	0	0	
C	0	0	4	0	29	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	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	

3.132 row id1=(8290, 1) (En-1) vs row id2=301

Table 149: 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	25	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	31	0	0	0	0	0	0	0	0	0	0	0	0
G	35	0	0	0	0	2	0	0	0	0	0	0	0
T	23	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	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

3.133 row id1=(8291, 1) (Est-1) vs row id2=66

Table 150: 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	1	0	3	9	4	7	8	0	0	0	0	0	0	
A	0	0	2	29	0	0	0	0	0	0	0	0	0	
C	0	0	2	0	28	0	0	0	0	0	0	0	0	
G	0	0	2	0	0	25	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	

3.134 row id1=(8292, 1) (F2) vs row id2=13

Table 151: 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	2	7	6	8	7	0	0	0	0	0	0	
A	0	0	3	31	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	26	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	

3.135 row id1=(8293, 1) (F4) vs row id2=14

Table 152: 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	1	9	4	7	5	0	0	0	0	0	0	
A	0	0	1	35	0	0	1	0	0	0	0	0	0	
C	0	0	2	0	25	0	0	0	0	0	1	0	0	
G	0	0	1	0	0	29	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	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 153: 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

3.136 row id1=(8294, 1) (Fei-0) vs row id2=82

Table 154: 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	3	11	8	8	3	0	0	0	0	0	0
A	1	0	5	29	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	27	0	0	1	0	0	0	0
T	1	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

Table 155: 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

3.137 row id1=(8295, 1) (Ga-0) vs row id2=71

Table 156: 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	1	0	3	8	6	6	7	0	0	0	0	0	0
A	0	0	0	32	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	2	0	0	28	0	0	0	0	0	0	0
T	1	1	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

3.138 row id1=(8296, 1) (Gd-1) vs row id2=306

Table 157: 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	25	0	0	0	0	0	0	0	0	0	0	0	0
A	26	0	0	1	0	0	0	0	0	0	0	0	0
C	20	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	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

3.139 row id1=(8297, 1) (Ge-0) vs row id2=322

Table 158: 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	27	0	0	0	0	0	0	0	0	0	0	0	0
A	28	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	33	0	0	0	0	1	0	0	0	0	0	0	0
T	21	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

3.140 row id1=(8298, 1) (Got-22) vs row id2=46

Table 159: 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	1	9	6	8	6	0	0	0	0	0	0
A	0	0	2	35	0	0	0	0	0	0	0	0	0
C	0	0	1	0	20	0	0	0	0	0	0	0	0
G	0	0	0	0	0	29	0	0	0	0	1	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

Table 160: 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 306	G	46	AtMSQTsnp 306	CG

3.141 row id1=(8299, 1) (Got-7) vs row id2=45

Table 161: 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	10	4	9	6	0	0	0	0	0	0
A	0	0	0	36	0	0	0	0	0	0	0	0	0
C	0	0	0	0	23	0	0	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	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

3.142 row id1=(8300, 1) (Gr-1) vs row id2=302

Table 162: 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	0	0
NA	35	0	0	1	0	0	0	0	0	0	0	0	0	0
A	24	0	0	0	0	0	0	0	0	0	0	0	0	0
C	19	0	0	0	1	0	0	0	0	0	0	0	0	0
G	29	0	0	0	0	0	0	0	0	0	0	0	0	0
T	38	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	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

3.143 row id1=(8301, 1) (Gu-0) vs row id2=54

Table 163: 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	7	9	7	5	0	0	0	0	0	0	
A	0	0	1	27	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	1	0	0	36	0	0	0	0	0	0	0	
T	0	0	0	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	

3.144 row id1=(8302, 1) (Gy-0) vs row id2=68

Table 164: 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	11	10	10	6	0	0	0	0	0	0	
A	0	0	0	34	0	0	0	0	0	0	0	0	0	
C	1	0	1	0	20	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	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	

3.145 row id1=(8303, 1) (H55) vs row id2=323

Table 165: 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	34	0	0	0	0	1	0	0	0	0	0	0	0	
A	32	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	27	0	0	0	0	1	0	0	0	0	0	0	0	
T	24	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	

3.146 row id1=(8304, 1) (Hi-0) vs row id2=307

Table 166: 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	27	0	0	0	0	0	0	0	0	0	0	0	0
A	33	0	1	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	28	0	0	0	0	1	0	0	0	0	0	0	0
T	26	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

3.147 row id1=(8306, 1) (Hov4-1) vs row id2=348

Table 167: 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	25	0	0	0	0	0	0	0	0	0	0	0	0
A	28	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	33	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

3.148 row id1=(8308, 1) (HR-10) vs row id2=34

Table 168: 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	1	0	3	7	7	11	7	0	0	0	0	0	0
A	0	0	0	30	0	0	0	0	0	0	0	0	0
C	1	0	1	0	27	0	0	0	0	0	0	0	0
G	0	0	1	0	0	31	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

3.149 row id1=(8309, 1) (HR-5) vs row id2=33

Table 169: 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	3	10	5	8	5	0	0	0	0	0	0
A	0	0	0	31	0	0	0	0	1	0	0	0	0

C	0	0	1	0	35	0	0	0	0	0	0	0	0
G	0	0	0	0	0	24	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 170: 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

3.150 row id1=(8310, 1) () vs row id2=308

Table 171: 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
NA	53	0	0	0	0	2	0	0	0	0	0	0	0
A	19	0	0	0	0	0	0	0	0	0	0	0	0
C	18	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	23	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

3.151 row id1=(8311, 1) (In-0) vs row id2=324

Table 172: 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	26	0	0	0	0	0	0	0	0	0	0	0	0
A	28	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	0	0	0	0	0	0	0	0
T	32	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

3.152 row id1=(8312, 1) (Is-0) vs row id2=309

Table 173: 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	29	0	0	0	0	0	0	0	0	0	0	0	0
A	27	0	0	0	0	0	0	0	0	0	0	0	0
C	30	0	1	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	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	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

3.153 row id1=(8313, 1) (Jm-0) vs row id2=310

Table 174: 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	0	0
NA	29	0	0	0	0	0	0	0	0	0	0	0	0	0
A	26	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	32	0	0	0	0	1	0	0	0	0	0	0	0	0
T	29	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

3.154 row id1=(8314, 1) (Ka-0) vs row id2=311

Table 175: 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	0	0
NA	28	0	0	0	0	0	0	0	0	0	0	0	0	0
A	30	0	0	1	0	0	0	0	0	0	0	0	0	0
C	27	0	0	0	1	0	0	0	0	0	0	0	0	0
G	32	0	0	0	0	0	0	0	0	0	0	0	0	0
T	29	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

3.155 row id1=(8316, 1) (Kin-0) vs row id2=91

Table 176: 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	0	0
NA	0	0	3	12	4	8	6	0	0	0	0	0	0	0
A	0	0	2	24	0	0	0	0	0	0	0	0	0	0
C	1	0	5	0	23	0	0	0	0	0	0	0	0	0
G	2	0	2	0	0	32	0	0	0	0	0	0	0	0
T	0	0	1	0	0	0	23	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	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 177: 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

3.156 row id1=(8317, 1) (Kno-10) vs row id2=3

Table 178: 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	2	0	3	8	4	6	4	0	0	0	0	0	0
A	0	0	2	34	0	0	0	0	0	0	0	0	0
C	4	0	0	0	18	1	0	0	0	0	0	0	0
G	1	0	1	0	0	29	0	0	0	0	0	0	0
T	1	0	4	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 179: 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

3.157 row id1=(8318, 1) (Kno-18) vs row id2=4

Table 180: 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	1	0	3	7	3	11	5	0	0	0	0	0	0
A	0	0	2	31	0	0	0	0	0	0	0	0	0
C	1	0	1	0	23	0	0	0	0	0	0	0	0
G	3	0	1	0	0	26	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

3.158 row id1=(8319, 1) (Kondara) vs row id2=88

Table 181: 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	1	1	0	11	5	4	5	0	0	0	0	0	0
A	1	0	3	30	0	0	0	0	0	0	0	0	0
C	0	0	0	0	30	0	0	0	0	0	0	0	0
G	0	0	2	1	0	26	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

Table 182: 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

3.159 row id1=(8320, 1) (Kz-1) vs row id2=43

Table 183: 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	5	8	9	4	8	0	0	0	0	0	0	
A	0	0	1	31	0	0	0	0	0	0	0	0	0	
C	0	0	3	0	22	0	1	0	0	0	0	0	0	
G	0	0	1	0	0	30	0	0	0	0	0	0	0	
T	0	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	0	0	0	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 184: 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

3.160 row id1=(8321, 1) (Kz-13) vs row id2=298

Table 185: 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	29	0	0	0	0	0	0	0	0	0	0	0	0	
A	25	0	0	0	0	0	0	0	0	0	0	0	0	
C	20	0	0	0	1	0	0	0	0	0	0	0	0	
G	26	0	0	0	0	1	0	0	0	0	0	0	0	
T	18	0	0	0	0	0	1	0	0	0	0	0	0	
AC	2	0	0	0	0	0	0	0	0	0	0	0	0	
AG	6	0	0	0	0	0	0	0	0	0	0	0	0	
AT	3	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	12	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	

3.161 row id1=(8322, 1) (Kz-9) vs row id2=44

Table 186: 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	1	1	1	6	8	8	6	0	0	0	0	0	0	
A	0	0	2	29	0	0	0	0	0	0	0	0	0	
C	2	0	0	0	29	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	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	0	0	0	0	0	0	0	0	0
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3.162 row id1=(8323, 1) (Lc-0) vs row id2=325

Table 187: 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	27	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	37	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	

3.163 row id1=(8324, 1) (Ler-1) vs row id2=55

Table 188: 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	10	7	9	5	0	0	0	0	0	0	
A	0	0	0	33	0	0	0	0	0	0	0	0	0	
C	0	0	1	0	19	0	1	0	0	0	0	0	0	
G	0	0	1	0	0	33	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	

Table 189: 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

3.164 row id1=(8325, 1) (Lip-0) vs row id2=326

Table 190: 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	39	0	0	0	0	0	0	0	0	0	0	0	0	
A	26	0	0	0	0	0	0	0	0	0	0	0	0	
C	27	0	0	0	1	0	0	0	0	0	0	0	0	
G	28	0	0	0	0	1	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	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	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=(8326, 1) (Lis-1) vs row id2=365

Table 191: 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	25	0	0	0	0	0	0	0	0	0	0	0	0
A	26	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	38	0	1	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

3.166 row id1=(8328, 1) (LL-0) vs row id2=87

Table 192: 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	1	0	4	11	7	11	3	0	0	0	0	0	0
A	0	0	1	23	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	29	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

3.167 row id1=(8329, 1) (Lm-2) vs row id2=327

Table 193: 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	28	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	25	0	0	0	0	0	0	0	0	0	0	0	0
G	24	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

3.168 row id1=(8332, 1) (Lp2-2) vs row id2=31

Table 194: 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	1	0	1	7	10	12	3	0	0	0	0	0	0
A	0	0	0	27	0	0	0	0	0	0	0	0	0
C	0	0	0	0	27	0	0	0	0	0	0	0	0
G	0	0	2	0	0	28	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	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

3.169 row id1=(8333, 1) (Lp2-6) vs row id2=32

Table 195: 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	0	0
NA	2	0	2	7	6	8	5	0	0	0	0	0	0	0
A	0	0	0	33	0	0	0	0	0	0	0	0	0	0
C	0	0	1	0	29	0	0	0	0	0	0	0	0	0
G	0	0	1	0	0	25	0	0	0	0	0	0	0	0
T	0	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	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

3.170 row id1=(8334, 1) (Lu-1) vs row id2=328

Table 196: 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	0	0
NA	28	0	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	0
C	27	0	0	0	0	0	0	0	0	0	0	0	0	0
G	29	0	1	0	0	0	0	0	0	0	0	0	0	0
T	29	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

3.171 row id1=(8335, 1) (Lund) vs row id2=292

Table 197: 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	0	0
NA	26	0	0	0	0	0	0	0	0	0	0	0	0	0
A	32	0	0	1	0	0	0	0	0	0	0	0	0	0
C	26	0	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	0
T	30	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

3.172 row id1=(8336, 1) (Lz-0) vs row id2=52

Table 198: 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	10	6	8	2	0	0	0	0	0	0	
A	0	0	0	39	0	0	0	0	0	0	0	0	0	
C	2	0	3	0	27	0	1	0	0	0	0	0	0	
G	0	0	1	0	0	23	0	0	0	0	0	0	0	
T	0	0	1	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 199: 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

3.173 row id1=(8337, 1) (Mir-0) vs row id2=329

Table 200: 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	32	0	0	0	0	0	0	0	0	0	0	0	0	
A	29	0	1	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	29	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	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	

3.174 row id1=(8338, 1) (Mr-0) vs row id2=77

Table 201: 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	1	10	4	10	1	0	0	0	0	0	0	
A	0	0	2	22	0	0	0	0	0	0	0	0	0	
C	0	0	3	0	31	0	0	0	0	0	0	0	0	
G	1	0	2	0	0	39	0	0	0	0	0	0	0	
T	0	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	

3.175 row id1=(8339, 1) (Mrk-0) vs row id2=72

Table 202: 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	1	0	1	12	6	7	6	0	0	0	0	0	0
A	0	0	2	29	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	31	0	0	0	0	0	0	0
T	0	1	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 203: 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

3.176 row id1=(8340, 1) (Ms-0) vs row id2=92

Table 204: 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	2	0	0	8	6	10	7	0	0	0	0	0	0
A	1	0	2	25	0	0	0	0	2	0	0	0	0
C	4	0	0	0	26	0	0	0	0	0	0	0	0
G	2	0	3	1	0	23	0	0	1	0	0	0	0
T	1	0	1	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 205: 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

3.177 row id1=(8341, 1) (Mt-0) vs row id2=79

Table 206: 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	3	9	8	7	6	0	0	0	0	0	0
A	0	0	1	33	0	0	0	0	0	0	0	0	0
C	0	0	1	0	22	0	0	0	0	0	0	0	0
G	1	0	3	0	0	30	0	0	0	0	0	0	0
T	0	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	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 207: 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

3.178 row id1=(8342, 1) (Mz-0) vs row id2=73

Table 208: 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	8	6	9	6	0	0	0	0	0	0
A	0	0	1	31	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	3	0	0	34	0	0	0	0	0	0	0
T	0	0	1	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

3.179 row id1=(8343, 1) (Na-1) vs row id2=330

Table 209: 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	31	0	0	0	0	0	0	0	0	0	0	0	0
A	28	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	1	0	0	0	0	0	0	0
T	22	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	0	0	0	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=(8344, 1) (Nd-1) vs row id2=56

Table 210: 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	1	0	1	8	5	9	3	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	30	0	0	0	0	0	0	0	0
G	0	0	1	0	0	24	0	0	0	0	0	0	0
T	0	0	1	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

3.181 row id1=(8345, 1) (NFA-10) vs row id2=36

Table 211: 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	1	10	7	9	5	0	0	0	0	0	0	
A	0	0	0	26	0	0	0	0	0	0	0	0	0	
C	0	0	3	0	23	0	0	0	0	0	0	0	0	
G	0	0	1	0	0	30	0	0	0	0	0	0	0	
T	0	0	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 212: 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

3.182 row id1=(8346, 1) (NFA-8) vs row id2=35

Table 213: 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	1	0	3	7	4	6	7	0	0	0	0	0	0	
A	0	0	0	28	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	33	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	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	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=(8347, 1) (Nok-3) vs row id2=80

Table 214: 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	1	0	1	7	4	10	6	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	22	0	0	0	0	0	0	0	0	
G	1	0	0	0	0	29	0	0	0	0	0	0	0	
T	1	0	2	0	1	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 215: 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

3.184 row id1=(8348, 1) (Nw-0) vs row id2=331

Table 216: row id1=(8348, 1) (Nw-0) vs row id2=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	6	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	42	0	1	0	0	0	0	0	0	0	0	0	0
T	31	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

3.185 row id1=(8349, 1) () vs row id2=21

Table 217: 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	1	0	1	7	9	9	5	0	0	0	0	0	0
A	0	0	2	25	0	0	0	0	0	0	0	0	0
C	1	0	1	0	18	0	0	0	0	0	0	0	0
G	1	0	1	0	0	34	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

3.186 row id1=(8350, 1) () vs row id2=22

Table 218: 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	1	0	1	9	8	5	4	0	0	0	0	0	0
A	0	0	1	23	0	0	0	0	0	0	0	0	0
C	0	0	0	0	27	0	0	0	0	0	0	0	0
G	0	0	1	1	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

Table 219: detailed difference for row id1=(8350, 1) () vs row id2=22

row id1	col id1	call1	row id2	col id2	call2
(8350, 1)/	AtMSQTsnp 373	G	22	AtMSQTsnp 373	A

3.187 row id1=(8351, 1) (Ost-0) vs row id2=332

Table 220: 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	30	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	24	0	1	0	0	0	0	0	0	0	0	0	0
G	29	0	0	0	0	2	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	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.188 row id1=(8352, 1) (Oy-0) vs row id2=95

Table 221: 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	2	0	2	7	9	7	4	0	0	0	0	0	0	
A	1	0	0	32	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	4	0	0	27	0	0	0	0	0	0	0	
T	0	0	1	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	

3.189 row id1=(8353, 1) (Pa-1) vs row id2=333

Table 222: 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
NA	32	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	18	0	0	0	0	0	0	0	0	0	0	0	0
G	33	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

3.190 row id1=(8354, 1) (Per-1) vs row id2=334

Table 223: 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	26	0	0	0	0	0	0	0	0	0	0	0	0	
A	32	0	0	1	0	0	0	0	0	0	0	0	0	
C	25	0	0	0	1	0	0	0	0	0	0	0	0	
G	25	0	1	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	

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

3.191 row id1=(8355, 1) (Petergof) vs row id2=335

Table 224: 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	32	0	0	0	0	0	0	0	0	0	0	0	0
A	29	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	34	0	0	0	0	1	0	0	0	0	0	0	0
T	24	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

3.192 row id1=(8356, 1) (Pi-0) vs row id2=336

Table 225: 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	24	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	28	0	0	0	0	0	0	0	0	0	0	0	0
G	36	0	0	0	0	1	1	0	0	0	0	0	0
T	27	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 226: 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

3.193 row id1=(8357, 1) (Pla-0) vs row id2=337

Table 227: 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	27	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	22	0	1	0	0	0	0	0	0	0	0	0	0
G	33	0	1	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	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.194 row id1=(8358, 1) (Pna-10) vs row id2=8

Table 228: 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	1	0	0	10	3	5	4	0	0	0	0	0	0
A	1	0	3	31	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	3	0	0	31	0	0	0	0	0	0	0
T	0	0	4	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

3.195 row id1=(8359, 1) (Pna-17) vs row id2=7

Table 229: 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	3	0	2	8	7	7	6	0	0	0	0	0	0
A	0	0	1	36	0	0	0	0	0	0	0	0	0
C	2	0	1	0	17	0	0	0	0	0	0	0	0
G	0	0	2	0	0	33	0	0	0	0	0	0	0
T	3	0	0	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

3.196 row id1=(8360, 1) (Pro-0) vs row id2=86

Table 230: 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	3	6	3	14	7	0	0	0	0	0	0
A	1	0	2	35	0	0	0	0	0	0	0	0	0
C	0	0	2	0	23	0	0	0	0	0	0	0	0
G	0	0	0	0	0	30	0	0	0	0	0	0	0
T	1	0	0	0	0	0	21	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

3.197 row id1=(8361, 1) (Pu2-23) vs row id2=30

Table 231: 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	1	0	0	8	9	8	6	0	0	0	0	0	0
A	1	0	1	27	0	0	0	0	0	0	0	0	0

C	0	0	1	0	24	0	0	0	0	0	0	0	0
G	1	0	0	0	0	28	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	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=(8362, 1) (Pu2-7) vs row id2=29

Table 232: 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	5	3	13	5	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	22	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	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

3.199 row id1=(8363, 1) (Pu2-8) vs row id2=296

Table 233: 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	25	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	30	0	0	0	0	0	0	0	0	0	0	0	0
G	27	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	0	0	0	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=(8364, 1) (Ra-0) vs row id2=69

Table 234: 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	11	9	7	4	0	0	0	0	0	0
A	1	0	2	27	0	1	0	0	0	0	0	0	0
C	0	0	2	1	28	0	0	0	0	0	0	0	0
G	0	0	1	0	0	35	0	0	0	0	0	0	0
T	0	0	1	0	1	0	16	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	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 235: 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 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

3.201 row id1=(8365, 1) (Rak-2) vs row id2=338

Table 236: 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	27	0	0	0	0	0	0	0	0	0	0	0	0
A	25	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	38	0	1	0	0	0	0	0	0	0	0	0	0
T	27	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

3.202 row id1=(8367, 1) (Ren-1) vs row id2=47

Table 237: 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	2	0	0	6	12	6	6	0	0	0	0	0	0
A	0	0	1	27	0	0	0	0	0	0	0	0	0
C	0	0	2	1	28	0	0	0	0	0	0	0	0
G	1	0	1	0	0	29	0	0	0	0	0	0	0
T	0	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	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 238: 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 388	C	47	AtMSQTsnp 388	A

3.203 row id1=(8368, 1) (Ren-11) vs row id2=48

Table 239: 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	5	22	24	17	18	0	0	0	0	0	1
A	0	0	0	16	0	0	0	0	0	0	0	0	0
C	0	0	0	0	11	0	0	0	0	0	0	0	0
G	0	0	1	0	0	17	0	0	0	0	0	0	0
T	0	0	0	0	0	0	15	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0

CG	0	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

3.204 row id1=(8369, 1) (Rev-1) vs row id2=347

Table 240: 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	25	0	0	0	0	0	0	0	0	0	0	0	0
A	30	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	34	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	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.205 row id1=(8370, 1) (Rmx-A02) vs row id2=5

Table 241: 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	1	0	2	8	5	7	6	0	0	0	0	0	0
A	0	0	5	33	0	0	0	0	0	0	0	0	0
C	2	0	0	0	21	0	0	0	0	0	0	0	0
G	1	0	2	0	0	28	0	0	0	0	0	0	0
T	1	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	0	0	0	0	0	0	0	0

3.206 row id1=(8371, 1) (Rmx-A180) vs row id2=6

Table 242: 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	4	0	2	6	5	6	6	0	0	0	0	0	0
A	1	0	1	28	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	32	0	0	0	0	0	0	0
T	1	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

3.207 row id1=(8372, 1) (RRS-10) vs row id2=2

Table 243: row id1=(8372, 1) (RRS-10) vs row id2=2

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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	1	0	1	10	4	7	4	0	0	0	0	0	0
A	0	0	2	32	1	0	0	0	0	0	0	0	0
C	0	0	0	0	22	0	0	0	0	0	0	0	0
G	1	0	3	0	0	28	0	0	0	0	0	0	0
T	1	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

Table 244: 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

3.208 row id1=(8374, 1) (Rsch-4) vs row id2=290

Table 245: row id1=(8374, 1) (Rsch-4) vs row id2=290

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	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	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	24	0	0	0	0	0	0	0	0	0	0	0	0
G	33	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	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.209 row id1=(8375, 1) (Rubezhnoe-1) vs row id2=339

Table 246: 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	30	0	0	0	0	0	0	0	0	0	0	0	0
A	27	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	32	0	1	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	0	0	0	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=(8376, 1) (Sanna-2) vs row id2=376

Table 247: 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	31	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	0
C	19	0	1	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	0
T	29	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

3.211 row id1=(8377, 1) (Santa Clara) vs row id2=340

Table 248: 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	26	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	30	0	0	0	0	0	0	0	0	0	0	0	0	
G	26	0	0	0	0	0	0	0	0	0	0	0	0	
T	27	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	

3.212 row id1=(8378, 1) (Sap-0) vs row id2=341

Table 249: 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	24	0	0	0	0	0	0	0	0	0	0	0	0	
A	28	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	35	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	

3.213 row id1=(8379, 1) (Se-0) vs row id2=83

Table 250: 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	9	3	13	4	0	0	0	0	0	0	
A	0	0	0	32	0	0	0	0	0	0	0	0	0	
C	0	0	3	0	18	0	0	0	0	0	0	0	0	
G	0	0	1	0	0	31	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	0	0	0	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=(8380, 1) (Sf-1) vs row id2=300

Table 251: 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	27	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	24	0	0	0	0	0	0	0	0	0	0	0	0
G	27	0	0	1	0	0	0	0	0	0	0	0	0
T	29	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	0	0	0	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 252: 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

3.215 row id1=(8381, 1) (Sorbo) vs row id2=90

Table 253: 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	1	1	3	11	10	4	4	0	0	0	0	0	0
A	0	0	5	28	0	0	0	0	0	0	0	0	0
C	2	0	1	0	26	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	4	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

3.216 row id1=(8382, 1) (Spr1-2) vs row id2=19

Table 254: 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	2	8	5	8	4	0	0	0	0	0	0
A	0	0	1	27	0	0	0	0	0	0	0	0	0
C	1	0	0	0	28	0	0	0	0	0	0	0	0
G	0	0	2	0	0	33	0	0	0	0	0	0	0
T	0	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	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.217 row id1=(8383, 1) (Spr1-6) vs row id2=20

Table 255: 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	1	1	0	5	8	11	7	0	0	0	0	0	0	
A	0	0	3	29	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	0	0	0	33	0	0	0	0	0	0	0	
T	0	0	1	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	

3.218 row id1=(8384, 1) (Sq-1) vs row id2=37

Table 256: 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	9	9	9	4	0	0	0	0	0	0	
A	0	0	0	31	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	0	0	0	31	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	

3.219 row id1=(8385, 1) (Sq-8) vs row id2=38

Table 257: 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	1	0	0	9	9	5	5	0	0	0	0	0	0	
A	1	0	1	34	0	0	0	0	0	0	0	0	0	
C	0	0	0	0	28	0	0	0	0	0	0	0	0	
G	2	0	1	0	0	24	0	0	0	0	0	0	0	
T	0	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	0	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.220 row id1=(8386, 1) (Sr:5) vs row id2=377

Table 258: 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	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

3.221 row id1=(8387, 1) (St-0) vs row id2=342

Table 259: 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	0	0
NA	24	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	32	0	0	0	0	0	0	0	0	0	0	0	0	0
G	32	0	0	0	0	2	0	0	0	0	0	0	0	0
T	24	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

3.222 row id1=(8388, 1) (Stw-0) vs row id2=343

Table 260: 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	0	0
NA	31	0	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	0
C	21	0	0	0	0	0	0	0	0	0	0	0	0	0
G	33	0	1	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	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

3.223 row id1=(8389, 1) (Ta-0) vs row id2=344

Table 261: 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	0	0
NA	28	0	0	0	0	0	0	0	0	0	0	0	0	0
A	25	0	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	0
G	34	0	1	0	0	0	0	0	0	0	0	0	0	0
T	30	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

3.224 row id1=(8390, 1) (Tamm-2) vs row id2=41

Table 262: 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	2	9	6	9	6	0	0	0	0	0	0
A	0	0	2	29	0	0	0	0	0	0	0	0	0
C	0	0	0	0	21	0	0	0	0	0	0	0	0
G	0	0	0	0	0	34	0	0	0	0	0	0	0
T	1	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

3.225 row id1=(8391, 1) (Tamm-27) vs row id2=42

Table 263: 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	2	10	6	9	5	0	0	0	0	0	0
A	0	0	3	27	0	0	0	0	0	0	0	0	0
C	0	0	0	0	21	0	0	0	0	0	0	0	0
G	0	0	2	0	0	32	0	0	0	0	0	0	0
T	1	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	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	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=(8392, 1) (Ts-1) vs row id2=84

Table 264: 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	2	10	3	12	4	0	0	0	0	0	0
A	0	0	1	26	0	0	0	0	0	0	0	0	0
C	0	0	4	0	19	0	0	0	0	0	0	0	0
G	0	0	2	0	0	29	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

3.227 row id1=(8393, 1) (Ts-5) vs row id2=85

Table 265: 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	2	12	5	9	5	0	0	0	0	0	0
A	0	0	0	29	0	0	0	0	0	0	0	0	0
C	0	0	2	0	22	0	0	0	0	0	0	0	0
G	0	0	0	0	0	32	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

3.228 row id1=(8394, 1) (Tsu-1) vs row id2=78

Table 266: 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	11	7	8	6	0	0	0	0	0	0
A	0	0	3	24	0	0	0	0	0	0	0	0	0
C	0	0	0	0	30	0	1	0	0	0	0	0	0
G	0	0	0	0	0	33	0	0	0	0	0	0	0
T	0	0	0	0	1	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 267: 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

3.229 row id1=(8395, 1) (Tu-0) vs row id2=345

Table 268: 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	24	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	32	0	1	0	0	0	0	0	0	0	0	0	0
G	32	0	1	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	0	0	0	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=(8396, 1) (Ull2-3) vs row id2=24

Table 269: 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	2	8	5	7	4	0	0	0	0	0	0
A	1	0	3	32	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	0	0	32	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

3.231 row id1=(8397, 1) (Ull2-5) vs row id2=23

Table 270: 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	2	0	2	8	4	7	6	0	0	0	0	0	0
A	1	0	1	30	0	0	0	0	0	0	0	0	0
C	0	0	0	0	21	0	0	0	0	0	0	0	0
G	0	0	3	0	0	31	0	0	0	0	0	0	0
T	0	0	4	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

3.232 row id1=(8398, 1) (Uod-1) vs row id2=49

Table 271: 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	1	0	1	6	6	11	4	0	0	0	0	0	0
A	0	0	0	31	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	31	0	0	0	0	0	0	0
T	1	1	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

3.233 row id1=(8399, 1) (Uod-7) vs row id2=50

Table 272: 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	2	5	5	11	7	0	0	0	0	0	0
A	0	0	1	31	0	0	0	0	0	0	0	0	0
C	1	0	2	0	25	0	0	0	0	0	0	0	0
G	0	0	2	0	0	30	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

3.234 row id1=(8400, 1) (Van-0) vs row id2=64

Table 273: 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	2	5	5	7	4	0	1	0	1	1	0
A	0	0	2	23	0	2	0	2	6	2	0	0	0

C	0	0	1	0	16	0	0	0	0	0	2	5	0
G	0	0	2	0	0	24	0	0	3	0	0	0	1
T	0	0	2	0	1	0	23	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 274: 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 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 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 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 97	C	64	AtMSQTsnp 97	CG

3.235 row id1=(8401, 1) (V-1) vs row id2=17

Table 275: 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	1	0	4	8	10	11	4	0	0	0	0	0	0
A	0	0	2	28	0	0	0	0	0	0	0	0	0
C	0	0	0	0	27	0	0	0	0	0	0	0	0
G	0	0	0	0	0	32	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

3.236 row id1=(8402, 1) (V-6) vs row id2=18

Table 276: 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	1	0	1	6	7	12	4	0	0	0	0	0	0
A	0	0	1	28	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	36	0	0	0	0	0	0	0
T	0	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
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.237 row id1=(8403, 1) (Wa-1) vs row id2=81

Table 277: 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	3	9	9	11	8	0	0	0	0	0	0
A	0	0	4	19	0	0	0	0	0	0	0	0	0
C	2	0	0	0	19	0	0	0	0	0	0	0	0
G	0	0	1	0	0	30	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

3.238 row id1=(8404, 1) (Wei-0) vs row id2=59

Table 278: 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	3	13	8	9	5	0	0	0	0	0	0
A	0	0	0	26	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	2	0	0	30	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

3.239 row id1=(8405, 1) (Ws-0) vs row id2=60

Table 279: 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	1	0	0	7	5	10	8	0	0	0	0	0	0
A	0	0	1	32	0	0	0	0	0	0	0	0	0
C	0	0	4	0	20	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	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

3.240 row id1=(8406, 1) (Ws-2) vs row id2=96

Table 280: 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	3	0	0	9	7	7	8	0	0	0	0	0	0	
A	4	0	4	19	0	0	0	0	0	0	0	0	0	
C	0	0	2	0	17	0	0	0	0	0	0	0	0	
G	1	0	2	0	0	34	0	0	0	0	0	0	0	
T	1	0	4	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	

3.241 row id1=(8407, 1) (Wt-5) vs row id2=74

Table 281: 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	2	0	4	10	9	8	2	0	0	0	0	0	0	
A	1	0	2	27	0	0	0	0	0	0	0	0	0	
C	0	0	3	0	25	0	1	0	0	0	0	0	0	
G	0	0	1	0	0	28	0	0	0	0	0	0	0	
T	0	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	

Table 282: 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

3.242 row id1=(8408, 1) (Yo-0) vs row id2=61

Table 283: 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	2	10	6	8	5	0	0	0	0	0	0	
A	0	0	0	33	0	0	0	0	0	0	0	0	0	
C	1	0	2	0	19	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	2	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 284: 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

3.243 row id1=(8409, 1) (Zdr-1) vs row id2=25

Table 285: 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	1	0	1	6	6	10	4	0	0	0	0	0	0
A	0	0	0	28	1	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	0	0	0	27	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

Table 286: 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

3.244 row id1=(8410, 1) (Zdr-6) vs row id2=26

Table 287: 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	1	0	0	6	11	9	4	0	0	0	0	0	0
A	1	0	2	28	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	0	0	0	29	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

3.245 row id1=(8411, 1) (Rd-0) vs row id2=312

Table 288: row id1=(8411, 1) (Rd-0) vs row id2=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	27	0	0	0	0	0	0	0	0	0	0	0	0
A	32	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	29	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

3.246 row id1=(8429, 1) (N13) vs row id2=58

Table 289: 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	2	0	2	7	5	7	11	0	0	0	0	0	0
A	1	0	0	23	0	0	0	0	0	0	0	0	0
C	2	0	1	0	22	0	0	0	0	0	0	0	0
G	0	0	1	0	0	35	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	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	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 290: 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	39	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	0	0	0	58	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 291: 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	0	0	0	0	0	0	0	0
A	43	0	1	28	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	0	1	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	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 292: 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 293: col id1=AtMSQTsnp 101 vs col id2=AtMSQTsnp 101

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	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	0	0	0	0	0
A	53	0	1	27	0	0	0	0	1	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	93	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	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	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 294: detailed difference for col id1=AtMSQTsnp 101 vs col id2=AtMSQTsnp 101

row id1	col id1	call1	row id2	col id2	call2
(8400, 1)/Van-0	AtMSQTsnp 101	A	64	AtMSQTsnp 101	AG

4.4 col id1=AtMSQTsnp 104 vs col id2=AtMSQTsnp 104

Table 295: col id1=AtMSQTsnp 104 vs col id2=AtMSQTsnp 104

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	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	1	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	67	0	0	0	38	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	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	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 296: col id1=AtMSQTsnp 108 vs col id2=AtMSQTsnp 108

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	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	2	0	2	0	0	0	0	0	0	0
A	70	0	2	49	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	67	0	0	0	0	42	0	0	1	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 297: detailed difference for col id1=AtMSQTsnp 108 vs col id2=AtMSQTsnp 108

row id1	col id1	call1	row id2	col id2	call2
(8400, 1)/Van-0	AtMSQTsnp 108	G	64	AtMSQTsnp 108	AG

4.6 col id1=AtMSQTsnp 11 vs col id2=AtMSQTsnp 11

Table 298: 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	0	0	1	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	44	0	1	0	32	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	62	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 299: detailed difference for col id1=AtMSQTsnp 11 vs col id2=AtMSQTsnp 11

row id1	col id1	call1	row id2	col id2	call2
(8400, 1)/Van-0	AtMSQTsnp 11	T	64	AtMSQTsnp 11	CT

4.7 col id1=AtMSQTsnp 114 vs col id2=AtMSQTsnp 114

Table 300: 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	0	0	1	0	0	0	0	0	0	0
A	47	0	0	35	0	1	0	0	1	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	97	0	0	1	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	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	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 col id1=AtMSQTsnp 114 vs col id2=AtMSQTsnp 114

row id1	col id1	call1	row id2	col id2	call2
(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 302: 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	1	0	1	0	0	0	0	0	0	0	0	0	0
A	66	0	5	46	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	8	0	0	39	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 303: 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	1	0	1	0	0	0	0	0	0	0
A	75	0	0	56	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	0	1	0	39	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 304: detailed difference for col id1=AtMSQTsnp 12 vs col id2=AtMSQTsnp 12

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 12	G	27	AtMSQTsnp 12	A
(8400, 1)/Van-0	AtMSQTsnp 12	A	64	AtMSQTsnp 12	G

4.10 col id1=AtMSQTsnp 123 vs col id2=AtMSQTsnp 123

Table 305: 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	1	0	1	0	0	0	0	0	0	0
A	81	0	0	56	0	1	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	62	0	3	0	0	37	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 306: 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 307: 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	1	0	0	1	0	0	0	0	0	0	0
A	30	0	3	27	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	11	0	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

4.12 col id1=AtMSQTsnp 128 vs col id2=AtMSQTsnp 128

Table 308: 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	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	0	0	0	0	0	0	0	0	0	0	0	0	0
G	106	0	2	0	0	66	0	0	0	0	0	0	0
T	36	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	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 309: 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	89	0	6	26	0	55	0	0	1	0	0	0	0
A	27	0	2	3	0	1	0	0	0	0	0	0	0
C	0	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	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 310: 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

4.14 col id1=AtMSQTsnp 130 vs col id2=AtMSQTsnp 130

Table 311: 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	2	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	37	0	6	0	24	0	1	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	107	0	13	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	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 312: 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 313: 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	0	0	2	0	0	0	0	0	0	
A	0	0	0	0	0	0	0	0	0	0	0	0	0	
C	74	0	0	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	67	0	1	0	0	0	46	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	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 314: 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	19	0	1	0	5	0	1	0	0	0	0	0	0	
A	0	0	0	0	0	0	0	0	0	0	0	0	0	
C	30	0	1	0	33	0	0	0	0	0	0	0	0	
G	0	0	0	0	0	0	0	0	0	0	0	0	0	
T	88	0	0	0	1	0	52	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	10	0	0	0	5	0	0	0	0	0	0	0	0	
GT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 315: detailed difference for col id1=AtMSQTsnp 138 vs col id2=AtMSQTsnp 138

row id1	col id1	call1	row id2	col id2	call2
(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 316: 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	0	0	0	2	0	0	0	0	0	0
A	43	0	1	31	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	65	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	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 317: 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	0	1	0	0	0	0	0	0	0	0
A	103	1	3	58	1	0	0	0	0	0	0	0	0
C	42	0	2	0	32	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 318: detailed difference for col id1=AtMSQTsnp 140 vs col id2=AtMSQTsnp 140

row id1	col id1	call1	row id2	col id2	call2
(8372, 1)/RRS-10	AtMSQTsnp 140	A	2	AtMSQTsnp 140	C

4.19 col id1=AtMSQTsnp 142 vs col id2=AtMSQTsnp 142

Table 319: 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	0	0	0	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	14	0	40	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	46	0	11	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	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 320: 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	2	0	0	0	0	0	0	0	0	0

A	83	0	5	55	0	0	0	0	0	0	0	0	0	0
C	57	0	0	0	37	0	0	0	0	0	0	0	0	0
G	0	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	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

4.21 col id1=AtMSQTsnp 145 vs col id2=AtMSQTsnp 145

Table 321: 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	6	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	79	0	8	0	37	0	1	0	0	0	0	0	0	
G	0	0	0	0	0	0	0	0	0	0	0	0	0	
T	62	0	3	0	0	0	46	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	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 322: 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 323: 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	66	0	2	32	8	10	0	0	0	0	0	0	0	
A	53	0	0	30	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	1	0	0	15	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 324: 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	1	0	1	0	0	0	0	0	0	
A	0	0	0	0	0	0	0	0	0	0	0	0	0	
C	76	0	0	0	67	0	1	0	0	0	0	0	0	
G	0	0	0	0	0	0	0	0	0	0	0	0	0	
T	68	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	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

Table 325: detailed difference for col id1=AtMSQTsnp 15 vs col id2=AtMSQTsnp 15

row id1	col id1	call1	row id2	col id2	call2
(8320, 1)/Kz-1	AtMSQTsnp 15	C	43	AtMSQTsnp 15	T

4.24 col id1=AtMSQTsnp 155 vs col id2=AtMSQTsnp 155

Table 326: 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	86	0	1	43	0	47	0	0	0	0	0	0	0	
A	25	0	3	2	0	0	0	0	0	0	0	0	0	
C	0	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	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 327: 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	84	1	5	0	36	0	51	0	0	0	0	0	0	
A	0	0	0	0	0	0	0	0	0	0	0	0	0	
C	24	0	3	0	2	0	0	0	0	0	0	0	0	
G	0	0	0	0	0	0	0	0	0	0	0	0	0	
T	39	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	

4.26 col id1=AtMSQTsnp 159 vs col id2=AtMSQTsnp 159

Table 328: 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	0	0	1	0	0	0	0	0	0	
A	0	0	0	0	0	0	0	0	0	0	0	0	0	
C	64	0	1	0	46	0	3	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	2	0	45	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	

CT	0	0	0	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 329: 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
(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 330: 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	80	0	9	27	57	0	0	0	0	0	0	0	0
A	24	0	0	1	0	0	0	0	0	0	0	0	0
C	43	0	0	0	5	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

4.28 col id1=AtMSQTsnp 169 vs col id2=AtMSQTsnp 169

Table 331: 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	1	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	114	0	0	0	0	64	0	0	0	0	0	0	0
T	31	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

4.29 col id1=AtMSQTsnp 170 vs col id2=AtMSQTsnp 170

Table 332: 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	93	0	3	42	43	0	0	0	0	0	0	0	0
A	32	0	0	2	0	0	0	0	0	0	0	0	0
C	27	0	0	0	4	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

4.30 col id1=AtMSQTsnp 173 vs col id2=AtMSQTsnp 173

Table 333: 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	0	0	1	0	0	0	0	0	0	0
A	78	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	59	0	2	1	0	50	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 334: detailed difference for col id1=AtMSQTsnp 173 vs col id2=AtMSQTsnp 173

row id1	col id1	call1	row id2	col id2	call2
(8340, 1)/Ms-0	AtMSQTsnp 173	G	92	AtMSQTsnp 173	A

4.31 col id1=AtMSQTsnp 174 vs col id2=AtMSQTsnp 174

Table 335: 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	1	0	0	0	0	0	0	0	0	0	0
A	66	0	9	31	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	12	0	0	46	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 336: 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	0	0	0	0	0	0	0	0
A	38	0	0	28	0	0	0	0	1	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	107	0	1	1	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

Table 337: 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
(8340, 1)/Ms-0	AtMSQTsnp 177	A	92	AtMSQTsnp 177	AG

4.33 col id1=AtMSQTsnp 18 vs col id2=AtMSQTsnp 18

Table 338: 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	5	0	1	0	12	2	0	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	105	0	4	0	51	0	0	0	0	0	0	0	0
G	37	0	1	0	0	28	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 339: 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	78	0	16	21	0	0	54	0	0	0	0	0	0
A	30	0	0	0	0	0	1	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	40	0	6	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 340: 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

4.35 col id1=AtMSQTsnp 186 vs col id2=AtMSQTsnp 186

Table 341: 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	84	0	0	37	0	0	56	0	0	0	0	0	0
A	22	0	0	5	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	40	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	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 342: 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	0	0	0	0	0	0	0	0	0	0
A	98	0	4	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	0	0	0	0	0	0	0	0	0	0	0	0	0
T	49	0	0	1	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	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 343: 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 344: 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	4	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	111	0	0	0	65	0	1	0	0	0	0	1	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	30	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	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 345: 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
(8400, 1)/Van-0	AtMSQTsnp 188	C	64	AtMSQTsnp 188	CT

4.38 col id1=AtMSQTsnp 189 vs col id2=AtMSQTsnp 189

Table 346: 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	52	0	1	43	0	48	0	0	0	0	0	0	0
A	38	0	0	3	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	4	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

4.39 col id1=AtMSQTsnp 191 vs col id2=AtMSQTsnp 191

Table 347: 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	0	0	0	0	0	0	0	0	0	0
A	83	0	1	60	1	0	0	0	0	0	0	0	0
C	58	0	0	0	37	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 348: 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 349: 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	1	0	0	0	0	0	0	0	0	0
A	48	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0
T	93	0	0	1	0	0	53	0	0	1	0	0	0
AC	0	0	0	0	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 350: detailed difference for col id1=AtMSQTsnp 194 vs col id2=AtMSQTsnp 194

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 194	T	27	AtMSQTsnp 194	A
(8400, 1)/Van-0	AtMSQTsnp 194	T	64	AtMSQTsnp 194	AT

4.41 col id1=AtMSQTsnp 197 vs col id2=AtMSQTsnp 197

Table 351: 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	0	0	0	0	0	0	0	0	0	0
A	137	0	4	62	0	0	0	0	1	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	13	0	0	0	0	27	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 352: detailed difference for col id1=AtMSQTsnp 197 vs col id2=AtMSQTsnp 197

row id1	col id1	call1	row id2	col id2	call2
(8400, 1)/Van-0	AtMSQTsnp 197	A	64	AtMSQTsnp 197	AG

4.42 col id1=AtMSQTsnp 198 vs col id2=AtMSQTsnp 198

Table 353: 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	0	0	0	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	31	0	0	0	24	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	114	0	0	0	0	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	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 354: 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	0	0	2	0	0	0	0	0	0	0
A	57	0	0	51	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	45	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 355: 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 356: 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	1	0	0	0	0	0	0	0	0	0
A	82	0	4	48	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	61	0	2	0	0	0	42	0	0	0	0	0	0
AC	0	0	0	0	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 357: detailed difference for col id1=AtMSQTsnp 203 vs col id2=AtMSQTsnp 203

row id1	col id1	call1	row id2	col id2	call2
(8400, 1)/Van-0	AtMSQTsnp 203	A	64	AtMSQTsnp 203	AT

4.45 col id1=AtMSQTsnp 205 vs col id2=AtMSQTsnp 205

Table 358: 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	85	0	3	0	65	0	25	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	46	0	0	0	6	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	16	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

4.46 col id1=AtMSQTsnp 21 vs col id2=AtMSQTsnp 21

Table 359: 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	9	0	4	0	11	0	7	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	44	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	1	0	1	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	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 360: 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 361: 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	19	0	0	0	0	3	0	0	0	0	0	0	0
A	63	0	0	41	0	0	0	0	1	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	64	0	0	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	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 362: detailed difference for col id1=AtMSQTsnp 214 vs col id2=AtMSQTsnp 214

row id1	col id1	call1	row id2	col id2	call2
(8400, 1)/Van-0	AtMSQTsnp 214	A	64	AtMSQTsnp 214	AG

4.48 col id1=AtMSQTsnp 22 vs col id2=AtMSQTsnp 22

Table 363: 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	1	0	0	0	0	0	0	0
A	62	0	0	32	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	62	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 364: detailed difference for col id1=AtMSQTsnp 22 vs col id2=AtMSQTsnp 22

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 22	A	27	AtMSQTsnp 22	G

4.49 col id1=AtMSQTsnp 220 vs col id2=AtMSQTsnp 220

Table 365: 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	2	0	0	1	0	0	0	0	0	0	0
A	35	0	2	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	112	0	2	0	0	53	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 366: 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
(8400, 1)/Van-0	AtMSQTsnp 220	A	64	AtMSQTsnp 220	G

4.50 col id1=AtMSQTsnp 222 vs col id2=AtMSQTsnp 222

Table 367: 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	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	61	0	0	0	0	42	0	0	0	0	0	0	0
T	80	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	0	0	0	0	0	0	0	0	0	0	0	0	0

4.51 col id1=AtMSQTsnp 223 vs col id2=AtMSQTsnp 223

Table 368: 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	1	0	0	0	0	0	0	0	0	0
A	60	0	0	44	0	3	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	81	0	0	1	0	49	0	0	1	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 369: detailed difference for col id1=AtMSQTsnp 223 vs col id2=AtMSQTsnp 223

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 223	A	27	AtMSQTsnp 223	G
(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 370: 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	0
NA	22	0	0	28	0	2	0	0	0	0	0	0	0	0
A	32	0	0	9	0	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	93	0	3	0	0	57	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

4.53 col id1=AtMSQTsnp 232 vs col id2=AtMSQTsnp 232

Table 371: 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	0	0
NA	11	0	0	18	1	0	0	0	0	0	0	0	0	0
A	70	0	0	44	0	0	0	0	0	0	0	0	0	0
C	50	0	0	0	36	0	0	0	0	0	0	0	0	0
G	0	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	0
AC	16	0	0	0	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

4.54 col id1=AtMSQTsnp 235 vs col id2=AtMSQTsnp 235

Table 372: 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	0	0
NA	82	0	0	58	0	35	0	0	0	0	0	0	0	0
A	40	0	0	6	0	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	25	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	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

4.55 col id1=AtMSQTsnp 237 vs col id2=AtMSQTsnp 237

Table 373: 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	0	0
NA	28	0	1	0	23	0	24	0	0	0	0	1	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C	98	0	2	0	44	0	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0	0
T	20	0	0	0	0	0	4	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

4.56 col id1=AtMSQTsnp 242 vs col id2=AtMSQTsnp 242

Table 374: 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	0	0	1	0	0	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	85	0	3	0	63	0	0	0	0	0	0	1	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	59	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

Table 375: detailed difference for col id1=AtMSQTsnp 242 vs col id2=AtMSQTsnp 242

row id1	col id1	call1	row id2	col id2	call2
(8400, 1)/Van-0	AtMSQTsnp 242	C	64	AtMSQTsnp 242	CT

4.57 col id1=AtMSQTsnp 244 vs col id2=AtMSQTsnp 244

Table 376: 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	1	0	0	0	0	0	0	0	0	0
A	89	0	2	60	0	1	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	56	0	3	1	0	29	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 377: detailed difference for col id1=AtMSQTsnp 244 vs col id2=AtMSQTsnp 244

row id1	col id1	call1	row id2	col id2	call2
(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 378: 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	0	0	1	0	0	0	0	0	0	0
A	99	0	0	68	0	0	0	0	1	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	44	0	0	1	0	28	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	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 379: detailed difference for col id1=AtMSQTsnp 249 vs col id2=AtMSQTsnp 249

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 249	G	27	AtMSQTsnp 249	A
(8340, 1)/Ms-0	AtMSQTsnp 249	A	92	AtMSQTsnp 249	AG

4.59 col id1=AtMSQTsnp 254 vs col id2=AtMSQTsnp 254

Table 380: 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	6	6	0	1	1	0	0	0	0	0	0	0	0	
A	49	0	0	36	1	0	0	0	0	0	0	0	0	
C	92	0	1	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	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	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 381: 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 382: 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	8	0	0	1	0	0	0	0	0	0	0	0	0	
A	51	0	3	33	1	0	0	1	0	0	0	0	0	
C	93	0	3	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	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 383: detailed difference for col id1=AtMSQTsnp 260 vs col id2=AtMSQTsnp 260

row id1	col id1	call1	row id2	col id2	call2
(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 384: 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	0	0	0	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	38	0	2	0	33	0	1	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	110	0	1	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 385: 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 386: 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	0	0	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	61	0	0	0	0	29	0	0	0	0	0	0	0
T	84	0	0	0	0	0	68	0	0	0	0	0	1
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	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 387: detailed difference for col id1=AtMSQTsnp 266 vs col id2=AtMSQTsnp 266

row id1	col id1	call1	row id2	col id2	call2
(8400, 1)/Van-0	AtMSQTsnp 266	T	64	AtMSQTsnp 266	GT

4.63 col id1=AtMSQTsnp 267 vs col id2=AtMSQTsnp 267

Table 388: 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	68	0	2	0	16	0	26	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	52	0	0	0	20	0	0	0	0	0	0	1	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	33	0	0	0	0	0	6	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	22	0	0	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 389: detailed difference for col id1=AtMSQTsnp 267 vs col id2=AtMSQTsnp 267

row id1	col id1	call1	row id2	col id2	call2
(8400, 1)/Van-0	AtMSQTsnp 267	C	64	AtMSQTsnp 267	CT

4.64 col id1=AtMSQTsnp 27 vs col id2=AtMSQTsnp 27

Table 390: 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	86	0	1	54	0	37	0	0	0	0	0	0	0
A	39	0	0	2	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	0	0	0	4	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

4.65 col id1=AtMSQTsnp 274 vs col id2=AtMSQTsnp 274

Table 391: 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	2	2	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	22	0	6	0	0	84	4	0	0	0	0	0	0
T	24	0	1	0	0	3	94	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	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 392: 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 393: 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	6	0	4	0	0	0	0	0	0	0
A	18	0	10	46	0	2	0	0	1	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	28	0	18	3	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	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	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 394: detailed difference for col id1=AtMSQTsnp 278 vs col id2=AtMSQTsnp 278

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 278	A	27	AtMSQTsnp 278	G
(6008, 2)/Duk	AtMSQTsnp 278	G	378	AtMSQTsnp 278	A
(6042, 2)/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 395: 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	0	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	17	0	10	0	54	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	16	0	1	0	113	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 396: 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 397: 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	1	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	69	0	3	0	48	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	73	0	4	0	1	0	42	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	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 398: detailed difference for col id1=AtMSQTsnp 281 vs col id2=AtMSQTsnp 281

row id1	col id1	call1	row id2	col id2	call2
(8400, 1)/Van-0	AtMSQTsnp 281	T	64	AtMSQTsnp 281	C

4.69 col id1=AtMSQTsnp 282 vs col id2=AtMSQTsnp 282

Table 399: 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	2	0	0	0	0	0	0
A	57	0	0	29	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	86	0	2	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	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

4.70 col id1=AtMSQTsnp 285 vs col id2=AtMSQTsnp 285

Table 400: 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	0	0	0	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	33	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	114	0	0	0	0	0	61	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	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 401: detailed difference for col id1=AtMSQTsnp 285 vs col id2=AtMSQTsnp 285

row id1	col id1	call1	row id2	col id2	call2
(8400, 1)/Van-0	AtMSQTsnp 285	T	64	AtMSQTsnp 285	CT

4.71 col id1=AtMSQTsnp 286 vs col id2=AtMSQTsnp 286

Table 402: 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	84	0	1	0	53	39	0	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	32	0	0	0	5	0	0	0	0	0	0	0	0
G	31	0	0	0	1	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 403: 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 404: 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	0	0	0	1	0	0	0	0	0	0	0
A	70	0	2	45	0	1	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	72	0	4	0	0	46	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 405: 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 406: 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	2	0	0	0	0	0	0	0	0	0
A	45	0	0	31	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	97	0	0	0	0	0	65	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	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 col id1=AtMSQTsnp 29 vs col id2=AtMSQTsnp 29

row id1	col id1	call1	row id2	col id2	call2
(8400, 1)/Van-0	AtMSQTsnp 29	A	64	AtMSQTsnp 29	AT

4.74 col id1=AtMSQTsnp 292 vs col id2=AtMSQTsnp 292

Table 408: 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	1	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	2	0	32	0	1	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	97	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	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 409: detailed difference for col id1=AtMSQTsnp 292 vs col id2=AtMSQTsnp 292

row id1	col id1	call1	row id2	col id2	call2
(8280, 1)/Ct-1	AtMSQTsnp 292	C	76	AtMSQTsnp 292	T

4.75 col id1=AtMSQTsnp 294 vs col id2=AtMSQTsnp 294

Table 410: 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	1	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	92	0	0	0	0	55	1	0	0	0	0	0	0
T	48	0	0	0	0	0	42	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	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 411: detailed difference for col id1=AtMSQTsnp 294 vs col id2=AtMSQTsnp 294

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 294	G	27	AtMSQTsnp 294	T

4.76 col id1=AtMSQTsnp 30 vs col id2=AtMSQTsnp 30

Table 412: 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	84	0	13	0	51	0	29	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	31	0	0	0	5	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	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 413: 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 414: 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	0	0	0	0	0	0	0	0	0	0
A	93	0	0	52	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	46	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 415: 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 416: 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	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	45	0	5	0	33	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	98	0	5	0	1	0	51	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	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	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 417: detailed difference for col id1=AtMSQTsnp 304 vs col id2=AtMSQTsnp 304

row id1	col id1	call1	row id2	col id2	call2
(8277, 1)/CIBC-5	AtMSQTsnp 304	T	39	AtMSQTsnp 304	C

4.79 col id1=AtMSQTsnp 306 vs col id2=AtMSQTsnp 306

Table 418: 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	0
NA	7	0	0	0	1	0	0	0	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C	85	0	15	0	39	1	0	0	0	0	0	0	0	0
G	57	0	9	0	0	30	0	0	0	0	1	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	1	0	0	0	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 419: detailed difference for col id1=AtMSQTsnp 306 vs col id2=AtMSQTsnp 306

row id1	col id1	call1	row id2	col id2	call2
(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 420: 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	0	0	0	1	0	0	0	0	0	0	
A	62	0	0	39	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	85	0	0	1	0	0	51	0	0	0	0	0	0	
AC	0	0	0	0	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 421: detailed difference for col id1=AtMSQTsnp 307 vs col id2=AtMSQTsnp 307

row id1	col id1	call1	row id2	col id2	call2
(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 422: 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	0	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	82	0	2	0	0	58	0	0	0	0	0	0	0	
T	60	0	0	0	0	1	38	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	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 423: 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 424: 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	0	1	1	0	0	0	0	0	0	0	0
A	93	0	6	51	1	0	0	0	0	0	0	0	0
C	49	0	4	0	35	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 425: 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 426: 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	8	0	0	0	0	0	1	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	42	0	1	0	29	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	96	0	2	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	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

4.84 col id1=AtMSQTsnp 315 vs col id2=AtMSQTsnp 315

Table 427: 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	0	0	0	0	1	0	0	0	0	0	0
A	36	0	2	20	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	111	0	13	0	0	0	61	0	0	0	0	0	0
AC	0	0	0	0	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
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4.85 col id1=AtMSQTsnp 321 vs col id2=AtMSQTsnp 321

Table 428: 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	0	1	0	0	0	0	0	0	0	0	0
A	29	0	8	27	2	0	0	0	0	0	0	0	0
C	116	0	18	2	41	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 429: 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
(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 430: 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	1	0	0	0	0	0	0	0	0	0
A	92	0	2	55	0	0	0	0	1	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	54	0	0	1	0	33	0	0	1	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 431: detailed difference for col id1=AtMSQTsnp 323 vs col id2=AtMSQTsnp 323

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 323	G	27	AtMSQTsnp 323	A
(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 432: 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	0	0	1	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	18	0	40	0	1	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	40	0	13	0	1	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

Table 433: detailed difference for col id1=AtMSQTsnp 325 vs col id2=AtMSQTsnp 325

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 325	C	27	AtMSQTsnp 325	T
(8339, 1)/Mrk-0	AtMSQTsnp 325	T	72	AtMSQTsnp 325	C

4.88 col id1=AtMSQTsnp 327 vs col id2=AtMSQTsnp 327

Table 434: 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	25	0	0	15	26	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	48	0	1	0	0	15	0	0	0	0	0	0	0
T	67	0	1	0	0	1	15	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	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 435: detailed difference for col id1=AtMSQTsnp 327 vs col id2=AtMSQTsnp 327

row id1	col id1	call1	row id2	col id2	call2
(8276, 1)/CIBC-17	AtMSQTsnp 327	T	40	AtMSQTsnp 327	G

4.89 col id1=AtMSQTsnp 33 vs col id2=AtMSQTsnp 33

Table 436: 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	1	0	0	57	41	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	2	0	0	0	0	0	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 437: 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	83	0	0	0	50	42	0	0	0	0	0	0	0
A	0	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	7	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	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

4.91 col id1=AtMSQTsnp 334 vs col id2=AtMSQTsnp 334

Table 438: 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	0	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	2	0	50	0	3	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	27	0	1	0	3	0	40	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	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 439: detailed difference for col id1=AtMSQTsnp 334 vs col id2=AtMSQTsnp 334

row id1	col id1	call1	row id2	col id2	call2
(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 440: col id1=AtMSQTsnp 343 vs col id2=AtMSQTsnp 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	4	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	81	0	0	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	62	0	0	0	1	0	45	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	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 441: 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 442: col id1=AtMSQTsnp 350 vs col id2=AtMSQTsnp 350

		-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
	0	0	0	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	0	0	0	0	0	0	0
A	40	0	0	35	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	105	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

4.94 col id1=AtMSQTsnp 351 vs col id2=AtMSQTsnp 351

Table 443: 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	0	0	1	0	0	0	0	0	0	0
A	33	0	0	28	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	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 444: 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	7	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	0	0	0	0	0	0	0	0	0	0	0	0	0
G	33	0	0	0	0	23	1	0	0	0	0	0	0
T	116	0	0	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	0	0	0	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 445: detailed difference for col id1=AtMSQTsnp 355 vs col id2=AtMSQTsnp 355

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 355	G	27	AtMSQTsnp 355	T

4.96 col id1=AtMSQTsnp 358 vs col id2=AtMSQTsnp 358

Table 446: 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	0	0	1	0	0	0	0	0	0	0
A	52	0	0	36	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	90	0	0	1	0	61	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 447: detailed difference for col id1=AtMSQTsnp 358 vs col id2=AtMSQTsnp 358

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 358	G	27	AtMSQTsnp 358	A

4.97 col id1=AtMSQTsnp 359 vs col id2=AtMSQTsnp 359

Table 448: 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	0	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	75	0	1	0	0	38	0	0	0	0	0	0	1
T	70	0	1	0	0	0	57	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	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 449: detailed difference for col id1=AtMSQTsnp 359 vs col id2=AtMSQTsnp 359

row id1	col id1	call1	row id2	col id2	call2
(8400, 1)/Van-0	AtMSQTsnp 359	G	64	AtMSQTsnp 359	GT

4.98 col id1=AtMSQTsnp 360 vs col id2=AtMSQTsnp 360

Table 450: 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	88	0	5	0	0	56	27	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	34	0	1	0	0	2	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

4.99 col id1=AtMSQTsnp 361 vs col id2=AtMSQTsnp 361

Table 451: 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	1	0	0	0	0	0	0	0	0	0
A	65	0	0	46	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	52	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 452: 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	84	0	0	42	0	51	0	0	0	0	0	0	0
A	23	0	0	3	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	40	0	0	1	0	2	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 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 454: 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	12	0	6	6	0	0	0	0	0	0	0	0	0
A	50	0	0	39	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	1	3	0	39	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 455: 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
(8263, 1)/Bil-7	AtMSQTsnp 370	G	16	AtMSQTsnp 370	A

4.102 col id1=AtMSQTsnp 372 vs col id2=AtMSQTsnp 372

Table 456: 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	42	0	5	2	0	33	0	0	0	0	0	0	0
A	76	0	17	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	29	0	1	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

4.103 col id1=AtMSQTsnp 373 vs col id2=AtMSQTsnp 373

Table 457: 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	6	0	0	0	0	0	0	0	0	0	0	0	0
A	33	0	2	21	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	13	1	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	7	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	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 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
(8350, 1)/	AtMSQTsnp 373	G	22	AtMSQTsnp 373	A

4.104 col id1=AtMSQTsnp 378 vs col id2=AtMSQTsnp 378

Table 459: 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	1	0	2	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	52	0	0	0	47	1	0	0	0	0	1	0	0
G	91	0	1	0	0	46	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

Table 460: detailed difference for col id1=AtMSQTsnp 378 vs col id2=AtMSQTsnp 378

row id1	col id1	call1	row id2	col id2	call2
(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 461: 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	5	0	0	3	0	2	0	0	0	0	0	0	0	
A	57	0	3	47	0	1	0	0	0	0	0	0	0	
C	0	0	0	0	0	0	0	0	0	0	0	0	0	
G	85	0	0	0	0	43	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 462: 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 463: 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	2	0	2	1	0	0	0	0	0	0	0	0	0	
A	120	0	5	60	0	0	0	0	0	0	0	0	0	
C	25	0	1	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	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	

4.107 col id1=AtMSQTsnp 388 vs col id2=AtMSQTsnp 388

Table 464: 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	1	2	0	0	0	0	0	0	0	0
A	20	0	0	24	1	0	0	0	0	0	0	0	0
C	119	0	0	1	70	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 465: detailed difference for col id1=AtMSQTsnp 388 vs col id2=AtMSQTsnp 388

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 388	A	27	AtMSQTsnp 388	C
(8367, 1)/Ren-1	AtMSQTsnp 388	C	47	AtMSQTsnp 388	A

4.108 col id1=AtMSQTsnp 390 vs col id2=AtMSQTsnp 390

Table 466: 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	2	0	0	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	64	0	1	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	36	0	0	0	0	0	31	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 467: detailed difference for col id1=AtMSQTsnp 390 vs col id2=AtMSQTsnp 390

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 390	C	27	AtMSQTsnp 390	T
(8400, 1)/Van-0	AtMSQTsnp 390	T	64	AtMSQTsnp 390	CT

4.109 col id1=AtMSQTsnp 392 vs col id2=AtMSQTsnp 392

Table 468: 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	72	0	14	18	0	56	0	0	0	0	0	0	0
A	25	0	0	7	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	50	0	2	0	0	2	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

4.110 col id1=AtMSQTsnp 394 vs col id2=AtMSQTsnp 394

Table 469: 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	0	0	0	0	0	0	0	0	0	0
A	88	0	1	55	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	1	0	0	41	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 470: 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 471: 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	1	0	1	0	0	0	0	0	0	0
A	98	0	0	58	0	0	0	0	1	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	43	0	0	0	0	38	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 472: detailed difference for col id1=AtMSQTsnp 395 vs col id2=AtMSQTsnp 395

row id1	col id1	call1	row id2	col id2	call2
(8400, 1)/Van-0	AtMSQTsnp 395	A	64	AtMSQTsnp 395	AG

4.112 col id1=AtMSQTsnp 397 vs col id2=AtMSQTsnp 397

Table 473: 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	0	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	3	0	0	67	0	0	0	0	0	0	0
T	37	0	0	0	0	0	28	0	0	0	0	0	1
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	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	0
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Table 474: detailed difference for col id1=AtMSQTsnp 397 vs col id2=AtMSQTsnp 397

row id1	col id1	call1	row id2	col id2	call2
(8400, 1)/Van-0	AtMSQTsnp 397	T	64	AtMSQTsnp 397	GT

4.113 col id1=AtMSQTsnp 398 vs col id2=AtMSQTsnp 398

Table 475: 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	20	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	63	0	0	0	44	0	0	0	0	0	0	0	0
G	64	0	0	0	1	51	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 476: detailed difference for col id1=AtMSQTsnp 398 vs col id2=AtMSQTsnp 398

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 398	G	27	AtMSQTsnp 398	C

4.114 col id1=AtMSQTsnp 399 vs col id2=AtMSQTsnp 399

Table 477: 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	1	0	0	0	0	0	0	0	0	0
A	91	0	0	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	51	0	0	0	0	36	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 478: 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	1	0	0	0	0	0	0	0	0	0
A	52	0	1	39	0	0	0	0	0	0	0	0	0
C	91	0	0	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	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	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

4.116 col id1=AtMSQTsnp 40 vs col id2=AtMSQTsnp 40

Table 479: 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	0	0
NA	5	0	0	0	1	0	0	0	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C	99	0	0	0	51	1	0	0	0	0	0	0	0	0
G	43	0	0	0	0	46	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

Table 480: 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 481: 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	0	0
NA	2	0	0	0	0	0	1	0	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C	85	0	0	0	56	0	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0	0
T	60	0	1	0	0	0	41	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

4.118 col id1=AtMSQTsnp 406 vs col id2=AtMSQTsnp 406

Table 482: 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	0	0
NA	85	0	0	64	0	29	0	0	0	0	0	0	0	0
A	42	0	0	3	0	1	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G	20	0	0	0	0	2	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
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Table 483: 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 484: 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	0	0	0	0	0	0	0	0	0	0
A	76	0	3	55	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	40	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 485: 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 486: 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	15	0	0	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	78	0	0	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	54	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

4.121 col id1=AtMSQTsnp 41 vs col id2=AtMSQTsnp 41

Table 487: 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	11	0	1	0	23	0	19	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	74	0	0	0	34	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	61	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	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

4.122 col id1=AtMSQTsnp 410 vs col id2=AtMSQTsnp 410

Table 488: 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	4	0	0	0	0	1	0	0	0	0	0	0	0
A	95	0	0	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	48	0	0	1	0	41	0	0	1	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 489: 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
(8400, 1)/Van-0	AtMSQTsnp 410	G	64	AtMSQTsnp 410	AG

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

Table 490: 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	2	0	0	0	0	0	0	0	0	0
A	99	0	2	63	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	42	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

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

Table 491: 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	1	1	0	0	0	0	0	0	0	0	0
A	50	0	9	29	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	25	1	0	33	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 492: detailed difference for col id1=AtMSQTsnp 415 vs col id2=AtMSQTsnp 415

row id1	col id1	call1	row id2	col id2	call2
(8276, 1)/CIBC-17	AtMSQTsnp 415	G	40	AtMSQTsnp 415	A

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

Table 493: 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	86	0	1	57	34	0	0	0	0	0	0	0	0	
A	42	0	0	5	0	0	0	0	0	0	0	0	0	
C	21	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	

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

Table 494: 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	1	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	1	0	63	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	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	0	0	0	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 495: detailed difference for col id1=AtMSQTsnp 48 vs col id2=AtMSQTsnp 48

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 48	C	27	AtMSQTsnp 48	T

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

Table 496: 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	0	0	1	0	0	0	0	0	0	
A	0	0	0	0	0	0	0	0	0	0	0	0	0	
C	70	0	0	0	33	0	1	0	0	0	0	0	0	
G	0	0	0	0	0	0	0	0	0	0	0	0	0	
T	76	3	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	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 497: 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 498: 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	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	64	0	1	0	36	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	6	0	0	0	47	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	
CG	0	0	0	0	0	0	0	0	0	0	0	0	0	
CT	0	0	0	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 499: 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	0	0	0	0	0	0	0	0	0	0	
A	80	0	0	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	62	0	0	0	0	38	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 500: 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	0	0	1	0	0	0	0	0	0	0	0	
A	0	0	0	0	0	0	0	0	0	0	0	0	0	
C	44	0	0	0	28	0	1	0	0	0	0	0	0	
G	0	0	0	0	0	0	0	0	0	0	0	0	0	
T	96	0	0	0	0	0	68	0	0	0	0	0	0	
AC	0	0	0	0	0	0	0	0	0	0	0	0	0	
AG	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT	0	0	0	0	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 501: 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 502: 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	85	0	0	0	57	35	0	0	0	0	1	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	42	0	0	0	5	1	0	0	0	0	0	0	0
G	20	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 503: 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

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

Table 504: 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	85	1	3	61	0	0	28	0	0	0	0	0	0
A	47	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	0	0	0	0	0	0	0	0	0	0	0	0	0
T	15	0	1	0	0	0	5	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	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 505: 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	76	0	11	0	42	0	16	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	50	0	1	0	19	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	19	0	0	0	0	0	10	0	0	0	0	0	0

AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	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 506: 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	2	0	0	0	0	0	0	0	0	0
A	108	0	0	63	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	34	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 507: 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	8	0	0	2	2	0	0	0	0	0	0	0	0
A	56	0	0	32	0	0	0	1	0	0	0	0	0
C	96	0	8	0	40	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 508: detailed difference for col id1=AtMSQTsnp 63 vs col id2=AtMSQTsnp 63

row id1	col id1	call1	row id2	col id2	call2
(8400, 1)/Van-0	AtMSQTsnp 63	A	64	AtMSQTsnp 63	AC

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

Table 509: 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	2	0	0	2	0	2	0	0	0	0	0	0	0
A	107	0	0	62	0	0	0	0	1	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	38	0	0	0	0	32	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 510: 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 511: 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	84	0	1	41	0	50	0	0	0	0	0	0	0
A	26	0	0	5	0	1	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	1	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 512: 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 513: 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	0	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	1	0	0	63	0	0	0	0	0	0	0
T	66	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

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

Table 514: 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	17	0	0	0	2	0	5	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	40	0	0	0	41	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	90	0	0	0	0	0	51	0	0	0	0	0	0

AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	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 515: 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	1	0	0	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	53	0	1	0	29	0	1	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	93	0	2	0	0	0	65	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	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 516: 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 517: 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	1	2	0	0	0	0	0	0	0	0	0
A	112	0	17	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	33	0	3	0	0	21	0	0	1	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 518: detailed difference for col id1=AtMSQTsnp 8 vs col id2=AtMSQTsnp 8

row id1	col id1	call1	row id2	col id2	call2
(8400, 1)/Van-0	AtMSQTsnp 8	G	64	AtMSQTsnp 8	AG

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

Table 519: 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	0	3	0	0	0	0	0	0	0	0	0

A	120	0	5	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	0	0	0	0	0	0	0	0	0	0	0	0	0
T	26	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

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

Table 520: 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	18	0	0	0	23	0	37	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0	0
C	74	0	0	0	33	0	0	0	0	0	0	1	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	56	0	0	0	0	0	4	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	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 521: 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 522: 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	3	0	0	1	0	0	0	0	0	0	0	0	0
A	45	0	0	23	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	5	1	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 523: 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 524: 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	2	2	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	56	0	0	0	0	49	0	0	0	0	0	0	0
T	80	0	1	0	0	0	44	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	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 525: 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	0	0	2	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	35	0	0	0	0	0	0	1	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
T	95	0	3	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	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 526: detailed difference for col id1=AtMSQTsnp 90 vs col id2=AtMSQTsnp 90

row id1	col id1	call1	row id2	col id2	call2
(8400, 1)/Van-0	AtMSQTsnp 90	C	64	AtMSQTsnp 90	CT

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

Table 527: 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	86	0	0	47	0	46	0	0	0	0	0	0	0
A	25	0	0	0	0	1	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	36	0	0	0	0	5	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 528: 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 529: 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	106	0	5	17	0	50	0	0	0	0	0	0	0
A	19	0	0	0	0	1	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
G	45	0	3	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 530: 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

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

Table 531: 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	9	0	0	0	0	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	0	0	58	1	0	0	0	0	2	0	0
G	61	0	0	0	0	33	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 532: detailed difference for col id1=AtMSQTsnp 97 vs col id2=AtMSQTsnp 97

row id1	col id1	call1	row id2	col id2	call2
(5837, 1)/Bor-1	AtMSQTsnp 97	C	27	AtMSQTsnp 97	G
(8293, 1)/F4	AtMSQTsnp 97	C	14	AtMSQTsnp 97	CG
(8400, 1)/Van-0	AtMSQTsnp 97	C	64	AtMSQTsnp 97	CG