Comparison of calls for 149snps between 2010 pcr and sequenom data

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Abstract

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6.61 SNP AtMSQTsnp 146(chrom=2, pos=10703371, alignment id=380, alignment start=10702850) . . . 317
6.62 SNP AtMSQTsnp 155(chrom=2, pos=12657149, alignment id=38, alignment start=12656716) . . . 318
6.63 SNP AtMSQTsnp 156(chrom=2, pos=12658862, alignment id=2572, alignment start=12658576) . . . 320
6.64 SNP AtMSQTsnp 159(chrom=2, pos=13265124, alignment id=2127, alignment start=13265029) . . . 322
6.65 SNP AtMSQTsnp 164(chrom=2, pos=14003409, alignment id=2631, alignment start=14003272) . . . 322
6.66 SNP AtMSQTsnp 169(chrom=2, pos=15801542, alignment id=396, alignment start=15801112) . . . 324
6.67 SNP AtMSQTsnp 170(chrom=2, pos=15986354, alignment id=2292, alignment start=15986145) . . . 325
6.68 SNP AtMSQTsnp 173(chrom=2, pos=16908190, alignment id=728, alignment start=16908054) . . . 326
6.69 SNP AtMSQTsnp 174(chrom=2, pos=17121378, alignment id=2453, alignment start=17121159) . . . 327
6.70 SNP AtMSQTsnp 177(chrom=2, pos=17859964, alignment id=118, alignment start=17859576) . . . 328
6.71 SNP AtMSQTsnp 184(chrom=2, pos=18752840, alignment id=1423, alignment start=18752604) . . . 328
6.72 SNP AtMSQTsnp 186(chrom=3, pos=298210, alignment id=777, alignment start=297801) . . . 330
6.73 SNP AtMSQTsnp 187(chrom=3, pos=580470, alignment id=55, alignment start=580026) . . . 332
6.74 SNP AtMSQTsnp 188(chrom=3, pos=2072780, alignment id=649, alignment start=2072648) . . . 332
6.75 SNP AtMSQTsnp 189(chrom=3, pos=2231938, alignment id=779, alignment start=2231413) . . . 333
6.76 SNP AtMSQTsnp 191(chrom=3, pos=2236458, alignment id=2592, alignment start=2236406) . . . 334
6.77 SNP AtMSQTsnp 194(chrom=3, pos=3679541, alignment id=1632, alignment start=3679103) . . . 335
6.78 SNP AtMSQTsnp 197(chrom=3, pos=4818602, alignment id=435, alignment start=4818362) . . . 335
6.79 SNP AtMSQTsnp 198(chrom=3, pos=5235571, alignment id=1612, alignment start=5235221) . . . 336
6.80 SNP AtMSQTsnp 203(chrom=3, pos=6890665, alignment id=73, alignment start=6890596) . . . 336
6.81 SNP AtMSQTsnp 205(chrom=3, pos=7392098, alignment id=91, alignment start=7391896) . . . 337
6.82 SNP AtMSQTsnp 214(chrom=3, pos=9747261, alignment id=641, alignment start=9747158) . . . 339
6.83 SNP AtMSQTsnp 220(chrom=3, pos=11398207, alignment id=1053, alignment start=11398071) . . . 340
6.84 SNP AtMSQTsnp 222(chrom=3, pos=15880426, alignment id=823, alignment start=15879997) . . . 341
6.85 SNP AtMSQTsnp 223(chrom=3, pos=16489589, alignment id=2208, alignment start=16489217) . . . 341
6.86 SNP AtMSQTsnp 231(chrom=3, pos=18590671, alignment id=883, alignment start=18590590) . . . 342
6.87 SNP AtMSQTsnp 232(chrom=3, pos=18980664, alignment id=829, alignment start=18980171) . . . 343
6.88 SNP AtMSQTsnp 235(chrom=3, pos=19930624, alignment id=833, alignment start=19930188) . . . 344
6.89 SNP AtMSQTsnp 237(chrom=3, pos=20483289, alignment id=1645, alignment start=20482976) . . . 346
6.90 SNP AtMSQTsnp 242(chrom=3, pos=21632608, alignment id=138, alignment start=21632379) . . . 347

6.91 SNP AtMSQTsnp 244(chrom=3, pos=23053878, alignment id=1662, alignment start=23053771) . . . 347
6.92 SNP AtMSQTsnp 249(chrom=4, pos=1055234, alignment id=482, alignment start=1055093) . . . 348
6.93 SNP AtMSQTsnp 254(chrom=4, pos=2441217, alignment id=233, alignment start=2440917) . . . 349
6.94 SNP AtMSQTsnp 260(chrom=4, pos=5775707, alignment id=933, alignment start=5775541) . . . 349
6.95 SNP AtMSQTsnp 263(chrom=4, pos=7077926, alignment id=495, alignment start=7077771) . . . 350
6.96 SNP AtMSQTsnp 266(chrom=4, pos=8078648, alignment id=238, alignment start=8078388) . . . 351
6.97 SNP AtMSQTsnp 267(chrom=4, pos=8297960, alignment id=499, alignment start=8297594) . . . 351
6.98 SNP AtMSQTsnp 274(chrom=4, pos=9213312, alignment id=2778, alignment start=9213072) . . . 352
6.99 SNP AtMSQTsnp 278(chrom=4, pos=9377790, alignment id=2783, alignment start=9377549) . . . 353
6.100SNP AtMSQTsnp 279(chrom=4, pos=9580049, alignment id=2788, alignment start=9579976) . . . 355
6.101SNP AtMSQTsnp 281(chrom=4, pos=10482088, alignment id=956, alignment start=10482038) . . . 356
6.102SNP AtMSQTsnp 282(chrom=4, pos=10659455, alignment id=505, alignment start=10659034) . . . 357
6.103SNP AtMSQTsnp 285(chrom=4, pos=11326190, alignment id=507, alignment start=11325921) . . . 357
6.104SNP AtMSQTsnp 286(chrom=4, pos=11580143, alignment id=1019, alignment start=11579700) . . . 358
6.105SNP AtMSQTsnp 288(chrom=4, pos=11984772, alignment id=1376, alignment start=11984495) . . . 359
6.106SNP AtMSQTsnp 292(chrom=4, pos=12404111, alignment id=2534, alignment start=12403706) . . . 360
6.107SNP AtMSQTsnp 294(chrom=4, pos=13576588, alignment id=960, alignment start=13576336) . . . 360
6.108SNP AtMSQTsnp 300(chrom=4, pos=15765120, alignment id=1685, alignment start=15764920) . . . 361
6.109SNP AtMSQTsnp 304(chrom=4, pos=16272521, alignment id=2262, alignment start=16272270) . . . 362
6.110SNP AtMSQTsnp 306(chrom=4, pos=16742071, alignment id=2714, alignment start=16741855) . . . 363
6.111SNP AtMSQTsnp 307(chrom=4, pos=17038400, alignment id=2205, alignment start=17038096) . . . 364
6.112SNP AtMSQTsnp 310(chrom=4, pos=17608924, alignment id=1999, alignment start=17608717) . . . 364
6.113SNP AtMSQTsnp 312(chrom=4, pos=17803781, alignment id=1985, alignment start=17803605) . . . 365
6.114SNP AtMSQTsnp 315(chrom=4, pos=18560343, alignment id=2289, alignment start=18560103) . . . 366
6.115SNP AtMSQTsnp 321(chrom=5, pos=625679, alignment id=2386, alignment start=625179) . . . 367
6.116SNP AtMSQTsnp 323(chrom=5, pos=872350, alignment id=532, alignment start=872097) . . . 368
6.117SNP AtMSQTsnp 325(chrom=5, pos=1214057, alignment id=2388, alignment start=1213621) . . . 369
6.118SNP AtMSQTsnp 327(chrom=5, pos=1497133, alignment id=2105, alignment start=1496987) . . . 370
6.119SNP AtMSQTsnp 331(chrom=5, pos=1931167, alignment id=1633, alignment start=1931083) . . . 372
6.120SNP AtMSQTsnp 334(chrom=5, pos=2244739, alignment id=1995, alignment start=2244524) . . . 374
6.121SNP AtMSQTsnp 343(chrom=5, pos=3606967, alignment id=538, alignment start=3606683) . . . 374
6.122SNP AtMSQTsnp 350(chrom=5, pos=5005750, alignment id=1459, alignment start=5005363) . . . 375
6.123SNP AtMSQTsnp 351(chrom=5, pos=5319138, alignment id=126, alignment start=5318924) . . . 375
6.124SNP AtMSQTsnp 355(chrom=5, pos=6708014, alignment id=547, alignment start=6707732) . . . 376
6.125SNP AtMSQTsnp 358(chrom=5, pos=7279057, alignment id=550, alignment start=7278798) . . . 376
6.126SNP AtMSQTsnp 359(chrom=5, pos=7442381, alignment id=1363, alignment start=7442039) . . . 377
6.127SNP AtMSQTsnp 360(chrom=5, pos=7842993, alignment id=174, alignment start=7842900) . . . 377
6.128SNP AtMSQTsnp 361(chrom=5, pos=7881430, alignment id=1986, alignment start=7881187) . . . 379
6.129SNP AtMSQTsnp 368(chrom=5, pos=14216131, alignment id=1035, alignment start=14215995) . . . 380
6.130SNP AtMSQTsnp 370(chrom=5, pos=15065196, alignment id=756, alignment start=15065018) . . . 381
6.131SNP AtMSQTsnp 372(chrom=5, pos=15569205, alignment id=926, alignment start=15568698) . . . 382
6.132SNP AtMSQTsnp 373(chrom=5, pos=15767945, alignment id=1190, alignment start=15767914) . . . 384
6.133SNP AtMSQTsnp 378(chrom=5, pos=17171676, alignment id=1489, alignment start=17171242) . . . 384
6.134SNP AtMSQTsnp 379(chrom=5, pos=17629384, alignment id=2039, alignment start=17629093) . . . 385
6.135SNP AtMSQTsnp 388(chrom=5, pos=19316200, alignment id=761, alignment start=19315950) . . . 386
6.136SNP AtMSQTsnp 390(chrom=5, pos=20215473, alignment id=970, alignment start=20214933) . . . 386
6.137SNP AtMSQTsnp 392(chrom=5, pos=20409250, alignment id=994, alignment start=20408706) . . . 387
6.138SNP AtMSQTsnp 394(chrom=5, pos=20518330, alignment id=2759, alignment start=20518241) . . . 388
6.139SNP AtMSQTsnp 395(chrom=5, pos=20915321, alignment id=981, alignment start=20915132) . . . 389
6.140SNP AtMSQTsnp 397(chrom=5, pos=22040877, alignment id=992, alignment start=22040690) . . . 389
6.141SNP AtMSQTsnp 398(chrom=5, pos=22116788, alignment id=642, alignment start=22116605) . . . 390
6.142SNP AtMSQTsnp 399(chrom=5, pos=22414941, alignment id=146, alignment start=22414510) . . . 391
6.143SNP AtMSQTsnp 404(chrom=5, pos=23270994, alignment id=1391, alignment start=23270845) . . . 392
6.144SNP AtMSQTsnp 406(chrom=5, pos=23815848, alignment id=978, alignment start=23815354) . . . 392
6.145SNP AtMSQTsnp 408(chrom=5, pos=25301234, alignment id=2690, alignment start=25300706) . . . 394
6.146SNP AtMSQTsnp 409(chrom=5, pos=26029439, alignment id=2404, alignment start=26029366) . . . 394
6.147SNP AtMSQTsnp 410(chrom=5, pos=26120955, alignment id=596, alignment start=26120843) . . . 396
6.148SNP AtMSQTsnp 412(chrom=5, pos=26379972, alignment id=2302, alignment start=26379717) . . . 396
6.149SNP AtMSQTsnp 415(chrom=5, pos=26708459, alignment id=2711, alignment start=26707937) . . . 397

1 Introduction

In an earlier 2010SequenceReport, 244 out of old 2010's 248 strains were found matches in the new sequenom-genotyped ecotype table(one-to-one mapping). Now not only that, other copies of that 244 strains in ecotype table were also found out based on nativename(two pairs deleted after manual checkup. see ticket no.3 on the trac website). Different genotype runs for a single ecotype are also treated separately.

The question is to do a detailed comparison between two different studies.

The input are two matricies. Matrix 1 (2010 pcr data, Figure 2) is 236 2010 strains X 149 SNPs. (it's 236, not 244 because a few strains are not genotyped in sequenom-data. Matrix 2 (Figure 3 is 454 sequenom strains X 149 SNPs. All these 454 sequenom strains could be mapped to 236 2010 pcr strains.

The method is to look at contingency-like tables. It's a table to show where the 2010 pcr calls are mapped in sequenom calls. There're 12 different types of calls. The row is 2010 pcr call. The column is sequenom call.

'-' is deletion. 'NA' means not available (it could mean not genotyped or genotyped but can't be told which is which.) The rest is self-explanatory.

2 Observations

2.1 observation from summary comparison

Results are in section 3. Whether there's a strain recorded is one thing, whether that strain was tried using pcr or sequenom is another thing. Based on whether that strain was **tried** by pcr in 2010 or sequenom, there're 4 combinations between 2010 and sequenom. 4 tables (Table 1-5) correspond to these 4 different combinations. The data of the strains not tried by sequenom are not included. This is why table 2 and table 5 are empty.

Attention should be focused on Table 1.

Figure 1: matrix legend

- There's a dominance of mismatches happening within two purine (A and G) or two pyrimidine bases (C and T). this is probably related to the mass spectrometry technology used by sequenom.
- Only 3 heterozygous calls match between 2010 pcr and sequenom data. If the heterozygous call is mismatched, it's mismatched to one of the two alleles (which is nothing new).
- Check 2nd column, Lots of calls (about 12% for each base) made in 2010 pcr were called 'NA'(undecided) in sequenom data.

All these call for the improvement in the genotype calling algorithm.

2.2 observation from strain-wise comparison

Results are in section 5.

Strains are ordered by 2010 accession id. For each 2010 strain, different sequenom runs are listed as subsections.

- 4 copies of Mr-0 in sequenom. 3 of them show consistent homozygous states. the 3rd one, which is a technical duplicate of the 2nd one, might be contamination (lots of heterozygous calls).
- 3 copies of Van-0 in sequenom all show consistent homozygous calls in sequenom. but Van-0 shows quite heterozygous in 2010 pcr. So 2010 pcr's Van-0 is contaminated?
- Cvi-0 looks pretty consistent between two types of data.

2.3 observation from snp-wise comparison

Results are in section 6.

- AtMSQTsnp146 has 3 major alleles in 2010 pcr data. In sequenom, the 3rd allele('C') is all called 'NA' except one case.
- there're 4 bad snps (AtMSQTsnp 138, 232, 263 and 267) showing excessive heterozygosity that were tossed out based on a statistic model. one of them (AtMSQTsnp 264) doesn't show excessive heterozygosity in these strains. AtMSQTsnp 138 has lots of 'C' alleles of 2010 pcr called 'NA' and 'CT' in sequenom data (AtMSQTsnp 232, 267 has similar situation).
- (loss) snp AtMSQTsnp 30, 33, 47, 58, 60, 61, 67, 87, 91, 92, 129, 155, 156, 164, 170, 184, 186, 189, 205, 214, 231, 235, 237, 286, 331, 360, 368, 372, 398, 406, 409 show calls in 2010 pcr called 'NA' in sequenom data.
- (recovery) snp AtMSQTsnp 118, 126, 130, 142, 145, 174, 184, 278, 279, 304, 306, 315, 321, 325, 373, 415 show lots of 'NA' in 2010 pcr recovered by sequenom.
- snp AtMSQTsnp 327, 370, 392 show both loss and recovery.

3 2010 PCR versus sequenom. summary

Table 1: PCR-tried vs sequenom-tried

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	16	4	0	0	9	0	0	0	0	0	0
NA	0	263	392	406	373	335	3	5	2	0	9	0
A	0	1187	8427	15	51	6	24	12	6	0	0	0
C	0	983	20	6714	8	51	6	0	0	0	49	0
G	0	1298	53	10	8336	16	0	14	0	6	0	4
T	0	872	12	46	13	7325	0	0	2	0	12	4
AC	0	0	6	0	0	0	0	0	0	0	0	0
AG	0	4	27	0	13	0	0	1	0	0	0	0
AT	0	0	7	0	0	3	0	0	1	0	0	0
CG	0	3	0	7	4	0	0	0	0	0	0	0
CT	0	4	0	14	0	12	0	0	0	0	1	0
GT	0	1	0	0	5	6	0	0	0	0	0	0

Table 2: PCR-tried vs sequenom-untried

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

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	3736	7096	5871	7091	6116	38	44	14	12	98	12
A	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
G	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
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 4: PCR-untried vs sequenom-untried

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

4 Real Mismatches between pcr and sequenom (deletion/NA excluded)

Table 5: mismatches between pcr and sequenom data (deletion/NA excluded, sorted by accession id)

nativename	stkparent	ecotype_id	duplicate	accession_id	SNP	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
RRS-10	CS22565	8372	1	2	AtMSQTsnp 140	2	8750047	1072	8749828	C	A
KNO-10	CS22410	6809	1	3	AtMSQTsnp 232	3	18980664	829	18980171	A	AC
KNO-10	CS22410	6809	1	3	AtMSQTsnp 138	2	8371133	373	8370574	C	CT
KNO-10	CS22410	6809	1	3	AtMSQTsnp 378	5	17171676	1489	17171242	G	C
KNO-10	CS22566	6927	1	3	AtMSQTsnp 378	5	17171676	1489	17171242	G	C
Kno-10	CS22566	8317	1	3	AtMSQTsnp 378	5	17171676	1489	17171242	G	C
KNO-18	CS22418	6817	1	4	AtMSQTsnp 232	3	18980664	829	18980171	A	AC
Rmx-A02	CS22568	7524	1	5	AtMSQTsnp 232	3	18980664	829	18980171	A	AC
Pna-17	CS22570	7523	1	7	AtMSQTsnp 267	4	8297960	499	8297594	C	CT
Pna-10	CS22571	7526	1	8	AtMSQTsnp 232	3	18980664	829	18980171	A	AC
Pna-10	CS22571	7526	1	8	AtMSQTsnp 267	4	8297960	499	8297594	C	CT
Lv-1	CS22574	6043	1	11	AtMSQTsnp 370	5	15065196	756	15065018	A	G
Lv-5	CS22575	6046	1	12	AtMSQTsnp 370	5	15065196	756	15065018	A	G
Lv-5	CS22575	6935	1	12	AtMSQTsnp 370	5	15065196	756	15065018	A	G
Fb-2	CS22576	6917	1	13	AtMSQTsnp 138	2	8371133	373	8370574	C	CT
Fb-4	CS22577	8293	1	14	AtMSQTsnp 307	4	17038400	2205	17038096	T	A
Fb-4	CS22577	6918	1	14	AtMSQTsnp 282	4	10659455	505	10659034	AT	A
Fb-4	CS22577	8293	1	14	AtMSQTsnp 97	1	24893649	1428	24893448	CG	C
Bil-5	CS22578	6900	1	15	AtMSQTsnp 370	5	15065196	756	15065018	A	G
Bil-7	CS22579	6901	1	16	AtMSQTsnp 370	5	15065196	756	15065018	A	G
Bil-7	CS22579	8263	1	16	AtMSQTsnp 370	5	15065196	756	15065018	A	G
Vr2-1	CS22580	7516	1	17	AtMSQTsnp 138	2	8371133	373	8370574	C	CT
M2-3	CS22585	7519	1	22	AtMSQTsnp 373	5	15767945	1190	15767914	A	G
m2-3	CS22585	8350	1	22	AtMSQTsnp 373	5	15767945	1190	15767914	A	G
M2-3	CS22585	7519	1	22	AtMSQTsnp 267	4	8297960	499	8297594	C	CT
Zdr-1	CS22588	6984	1	25	AtMSQTsnp 232	3	18980664	829	18980171	A	AC
Zdr-1	CS22588	6984	1	25	AtMSQTsnp 260	4	5775707	933	5775541	C	A
Zdr-1	CS22588	8409	1	25	AtMSQTsnp 260	4	5775707	933	5775541	C	A
Zdr-6	CS22589	6985	1	26	AtMSQTsnp 267	4	8297960	499	8297594	C	CT
Bor-1	CS22590	5837	1	27	AtMSQTsnp 2	1	112907	847	112445	A	G
Bor-1	CS22590	5837	1	27	AtMSQTsnp 12	1	2211033	964	2210982	A	G
Bor-1	CS22590	5837	1	27	AtMSQTsnp 88	1	23395010	1071	23394478	A	G
Bor-1	CS22590	5837	1	27	AtMSQTsnp 100	1	25717887	1758	25717715	A	G
Bor-1	CS22590	5837	1	27	AtMSQTsnp 177	2	17859964	118	17859576	A	G
Bor-1	CS22590	5837	1	27	AtMSQTsnp 249	4	1055234	482	1055093	A	G
Bor-1	CS22590	5837	1	27	AtMSQTsnp 300	4	15765120	1685	15764920	A	G

Bor-1	CS22590	5837	1	27	AtMSQTsnp 323	5	872350	532	872097	A	G
Bor-1	CS22590	5837	1	27	AtMSQTsnp 358	5	7279057	550	7278798	A	G
Bor-1	CS22590	5837	1	27	AtMSQTsnp 368	5	14216131	1035	14215995	A	G
Bor-1	CS22590	5837	1	27	AtMSQTsnp 410	5	26120955	596	26120843	A	G
Bor-1	CS22590	5837	1	27	AtMSQTsnp 187	3	580470	55	580026	A	T
Bor-1	CS22590	5837	1	27	AtMSQTsnp 194	3	3679541	1632	3679103	A	T
Bor-1	CS22590	5837	1	27	AtMSQTsnp 191	3	2236458	2592	2236406	C	A
Bor-1	CS22590	5837	1	27	AtMSQTsnp 254	4	2441217	233	2440917	C	A
Bor-1	CS22590	5837	1	27	AtMSQTsnp 310	4	17608924	1999	17608717	C	A
Bor-1	CS22590	5837	1	27	AtMSQTsnp 321	5	625679	2386	625179	C	A
Bor-1	CS22590	5837	1	27	AtMSQTsnp 388	5	19316200	761	19315950	C	A
Bor-1	CS22590	5837	1	27	AtMSQTsnp 286	4	11580143	1019	11579700	C	G
Bor-1	CS22590	5837	1	27	AtMSQTsnp 398	5	22116788	642	22116605	C	G
Bor-1	CS22590	5837	1	27	AtMSQTsnp 21	1	4142539	2625	4142402	C	T
Bor-1	CS22590	5837	1	27	AtMSQTsnp 30	1	5629159	2156	5628596	C	T
Bor-1	CS22590	5837	1	27	AtMSQTsnp 343	5	3606967	538	3606683	C	T
Bor-1	CS22590	5837	1	27	AtMSQTsnp 22	1	4396087	46	4395913	G	A
Bor-1	CS22590	5837	1	27	AtMSQTsnp 67	1	17355738	660	17355484	G	A
Bor-1	CS22590	5837	1	27	AtMSQTsnp 91	1	24071689	1427	24071203	G	A
Bor-1	CS22590	5837	1	27	AtMSQTsnp 92	1	24292774	672	24292482	G	A
Bor-1	CS22590	5837	1	27	AtMSQTsnp 123	2	1798445	2109	1798324	G	A
Bor-1	CS22590	5837	1	27	AtMSQTsnp 129	2	5804076	407	5803805	G	A
Bor-1	CS22590	5837	1	27	AtMSQTsnp 220	3	11398207	1053	11398071	G	A
Bor-1	CS22590	5837	1	27	AtMSQTsnp 223	3	16489589	2208	16489217	G	A
Bor-1	CS22590	5837	1	27	AtMSQTsnp 278	4	9377790	2783	9377549	G	A
Bor-1	CS22590	5837	1	27	AtMSQTsnp 288	4	11984772	1376	11984495	G	A
Bor-1	CS22590	5837	1	27	AtMSQTsnp 370	5	15065196	756	15065018	G	A
Bor-1	CS22590	5837	1	27	AtMSQTsnp 373	5	15767945	1190	15767914	G	A
Bor-1	CS22590	5837	1	27	AtMSQTsnp 379	5	17629384	2039	17629093	G	A
Bor-1	CS22590	5837	1	27	AtMSQTsnp 394	5	20518330	2759	20518241	G	A
Bor-1	CS22590	5837	1	27	AtMSQTsnp 406	5	23815848	978	23815354	G	A
Bor-1	CS22590	5837	1	27	AtMSQTsnp 408	5	25301234	2690	25300706	G	A
Bor-1	CS22590	5837	1	27	AtMSQTsnp 40	1	7842523	928	7842440	G	C
Bor-1	CS22590	5837	1	27	AtMSQTsnp 58	1	12093546	279	12093079	G	C
Bor-1	CS22590	5837	1	27	AtMSQTsnp 97	1	24893649	1428	24893448	G	C
Bor-1	CS22590	5837	1	27	AtMSQTsnp 31	1	5923041	265	5922974	G	T
Bor-1	CS22590	5837	1	27	AtMSQTsnp 184	2	18752840	1423	18752604	T	A
Bor-1	CS22590	5837	1	27	AtMSQTsnp 48	1	9497118	930	9496666	T	C
Bor-1	CS22590	5837	1	27	AtMSQTsnp 49	1	9781347	1018	9781260	T	C
Bor-1	CS22590	5837	1	27	AtMSQTsnp 57	1	11655519	273	11655171	T	C
Bor-1	CS22590	5837	1	27	AtMSQTsnp 76	1	21908667	2670	21908157	T	C
Bor-1	CS22590	5837	1	27	AtMSQTsnp 130	2	6499679	2098	6499196	T	C
Bor-1	CS22590	5837	1	27	AtMSQTsnp 145	2	10566917	381	10566416	T	C
Bor-1	CS22590	5837	1	27	AtMSQTsnp 159	2	13265124	2127	13265029	T	C
Bor-1	CS22590	5837	1	27	AtMSQTsnp 188	3	2072780	649	2072648	T	C
Bor-1	CS22590	5837	1	27	AtMSQTsnp 263	4	7077926	495	7077771	T	C
Bor-1	CS22590	5837	1	27	AtMSQTsnp 325	5	1214057	2388	1213621	T	C
Bor-1	CS22590	5837	1	27	AtMSQTsnp 390	5	20215473	970	20214933	T	C
Bor-1	CS22590	5837	1	27	AtMSQTsnp 294	4	13576588	960	13576336	T	G
Bor-1	CS22590	5837	1	27	AtMSQTsnp 355	5	6708014	547	6707732	T	G
HR-5	CS22596	6924	1	33	AtMSQTsnp 304	4	16272521	2262	16272270	T	CT
HR-5	CS22205	6800	1	33	AtMSQTsnp 114	1	30214313	1800	30213917	AG	A
HR-5	CS22596	6924	1	33	AtMSQTsnp 114	1	30214313	1800	30213917	AG	A
HR-5	CS22596	8309	1	33	AtMSQTsnp 114	1	30214313	1800	30213917	AG	A
HR-10	CS22597	6923	1	34	AtMSQTsnp 138	2	8371133	373	8370574	C	CT
NFA-10	CS22599	6943	1	36	AtMSQTsnp 232	3	18980664	829	18980171	A	AC
NFA-10	CS22599	6943	1	36	AtMSQTsnp 159	2	13265124	2127	13265029	C	T
NFA-10	CS22599	8345	1	36	AtMSQTsnp 159	2	13265124	2127	13265029	C	T
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 4	1	340810	1095	340398	A	C
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 47	1	9343401	929	9343234	A	C
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 140	2	8750047	1072	8749828	A	C
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 164	2	14003409	2631	14003272	A	C
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 170	2	15986354	2292	15986145	A	C
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 321	5	625679	2386	625179	A	C
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 27	1	5206767	1014	5206479	A	G
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 114	1	30214313	1800	30213917	A	G
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 174	2	17121378	2453	17121159	A	G
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 223	3	16489589	2208	16489217	A	G
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 350	5	5005750	1459	5005363	A	G
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 406	5	23815848	978	23815354	A	G
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 410	5	26120955	596	26120843	A	G
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 85	1	23155780	668	23155464	A	T
CIBC-5	CS22602	6908	1	39	AtMSQTsnp 321	5	625679	2386	625179	A	C
CIBC-5	CS22602	6908	1	39	AtMSQTsnp 223	3	16489589	2208	16489217	A	G
CIBC-5	CS22602	6908	1	39	AtMSQTsnp 244	3	23053878	1662	23053771	A	G
CIBC-5	CS22602	8277	1	39	AtMSQTsnp 321	5	625679	2386	625179	A	C
CIBC-5	CS22602	8277	1	39	AtMSQTsnp 223	3	16489589	2208	16489217	A	G
CIBC-5	CS22602	8277	1	39	AtMSQTsnp 244	3	23053878	1662	23053771	A	G
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 63	1	13712241	345	13711856	C	A
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 143	2	9428987	376	9428891	C	A
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 58	1	12093546	279	12093079	C	G

CIBC-5	CS22224	6730	1	39	AtMSQTsnp 146	2	10703371	380	10702850	C	G
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 286	4	11580143	1019	11579700	C	G
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 331	5	1931167	1633	1931083	C	G
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 21	1	4142539	2625	4142402	C	T
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 49	1	9781347	1018	9781260	C	T
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 73	1	20175347	1477	20174753	C	T
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 138	2	8371133	373	8370574	C	T
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 145	2	10566917	381	10566416	C	T
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 159	2	13265124	2127	13265029	C	T
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 198	3	5235571	1612	5235221	C	T
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 281	4	10482088	956	10482038	C	T
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 285	4	11326190	507	11325921	C	T
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 292	4	12404111	2534	12403706	C	T
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 304	4	16272521	2262	16272270	C	T
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 312	4	17803781	1985	17803605	C	T
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 334	5	2244739	1995	2244524	C	T
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 390	5	20215473	970	20214933	C	T
CIBC-5	CS22602	6908	1	39	AtMSQTsnp 304	4	16272521	2262	16272270	C	T
CIBC-5	CS22602	6908	1	39	AtMSQTsnp 334	5	2244739	1995	2244524	C	T
CIBC-5	CS22602	8277	1	39	AtMSQTsnp 304	4	16272521	2262	16272270	C	T
CIBC-5	CS22602	8277	1	39	AtMSQTsnp 334	5	2244739	1995	2244524	C	T
CIBC-5	CS22602	8277	1	39	AtMSQTsnp 138	2	8371133	373	8370574	C	CT
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 10	1	1149280	1467	1149096	G	A
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 12	1	2211033	964	2210982	G	A
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 54	1	10720273	860	10719833	G	A
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 65	1	16874727	290	16874305	G	A
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 67	1	17355738	660	17355484	G	A
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 101	1	26278413	330	26278221	G	A
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 126	2	2477756	2192	2477306	G	A
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 189	3	2231938	779	2231413	G	A
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 235	3	19930624	833	19930188	G	A
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 278	4	9377790	2783	9377549	G	A
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 323	5	872350	532	872097	G	A
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 379	5	17629384	2039	17629093	G	A
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 394	5	20518330	2759	20518241	G	A
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 395	5	20915321	981	20915132	G	A
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 399	5	22414941	146	22414510	G	A
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 266	4	8078648	238	8078388	G	T
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 355	5	6708014	547	6707732	G	T
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 360	5	7842993	174	7842900	G	T
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 397	5	22040877	992	22040690	G	T
CIBC-5	CS22602	6908	1	39	AtMSQTsnp 306	4	16742071	2714	16741855	G	C
CIBC-5	CS22602	8277	1	39	AtMSQTsnp 306	4	16742071	2714	16741855	G	C
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 29	1	5482008	263	5481722	T	A
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 184	2	18752840	1423	18752604	T	A
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 186	3	298210	777	297801	T	A
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 203	3	6890665	73	6890596	T	A
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 315	4	18560343	2289	18560103	T	A
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 30	1	5629159	2156	5628596	T	C
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 48	1	9497118	930	9496666	T	C
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 87	1	23381760	312	23381443	T	C
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 90	1	23893336	69	23893276	T	C
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 132	2	7072955	367	7072571	T	C
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 188	3	2072780	649	2072648	T	C
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 242	3	21632608	138	21632379	T	C
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 169	2	15801542	396	15801112	T	G
CIBC-5	CS22224	6730	1	39	AtMSQTsnp 359	5	7442381	1363	7442039	T	G
CIBC-5	CS22602	6908	1	39	AtMSQTsnp 307	4	17038400	2205	17038096	T	A
CIBC-5	CS22602	6908	1	39	AtMSQTsnp 327	5	1497133	2105	1496987	T	G
CIBC-5	CS22602	8277	1	39	AtMSQTsnp 307	4	17038400	2205	17038096	T	A
CIBC-17	CS22236	6724	1	40	AtMSQTsnp 415	5	26708459	2711	26707937	A	G
CIBC-17	CS22236	6724	1	40	AtMSQTsnp 307	4	17038400	2205	17038096	A	T
CIBC-17	CS22603	6907	1	40	AtMSQTsnp 415	5	26708459	2711	26707937	A	G
CIBC-17	CS22603	6907	1	40	AtMSQTsnp 307	4	17038400	2205	17038096	A	T
CIBC-17	CS22603	8276	1	40	AtMSQTsnp 415	5	26708459	2711	26707937	A	G
CIBC-17	CS22603	8276	1	40	AtMSQTsnp 307	4	17038400	2205	17038096	A	T
CIBC-17	CS22236	6724	1	40	AtMSQTsnp 321	5	625679	2386	625179	C	A
CIBC-17	CS22236	6724	1	40	AtMSQTsnp 159	2	13265124	2127	13265029	C	T
CIBC-17	CS22236	6724	1	40	AtMSQTsnp 267	4	8297960	499	8297594	C	CT
CIBC-17	CS22603	6907	1	40	AtMSQTsnp 321	5	625679	2386	625179	C	A
CIBC-17	CS22603	6907	1	40	AtMSQTsnp 159	2	13265124	2127	13265029	C	T
CIBC-17	CS22603	6907	1	40	AtMSQTsnp 267	4	8297960	499	8297594	C	CT
CIBC-17	CS22603	8276	1	40	AtMSQTsnp 321	5	625679	2386	625179	C	A
CIBC-17	CS22603	8276	1	40	AtMSQTsnp 159	2	13265124	2127	13265029	C	T
CIBC-17	CS22236	6724	1	40	AtMSQTsnp 114	1	30214313	1800	30213917	G	A
CIBC-17	CS22236	6724	1	40	AtMSQTsnp 223	3	16489589	2208	16489217	G	A
CIBC-17	CS22236	6724	1	40	AtMSQTsnp 244	3	23053878	1662	23053771	G	A
CIBC-17	CS22236	6724	1	40	AtMSQTsnp 327	5	1497133	2105	1496987	G	T
CIBC-17	CS22603	6907	1	40	AtMSQTsnp 114	1	30214313	1800	30213917	G	A
CIBC-17	CS22603	6907	1	40	AtMSQTsnp 223	3	16489589	2208	16489217	G	A
CIBC-17	CS22603	6907	1	40	AtMSQTsnp 244	3	23053878	1662	23053771	G	A

CIBC-17	CS22603	6907	1	40	AtMSQTsnp 327	5	1497133	2105	1496987	G	T
CIBC-17	CS22603	8276	1	40	AtMSQTsnp 114	1	30214313	1800	30213917	G	A
CIBC-17	CS22603	8276	1	40	AtMSQTsnp 223	3	16489589	2208	16489217	G	A
CIBC-17	CS22603	8276	1	40	AtMSQTsnp 244	3	23053878	1662	23053771	G	A
CIBC-17	CS22603	8276	1	40	AtMSQTsnp 327	5	1497133	2105	1496987	G	T
CIBC-17	CS22236	6724	1	40	AtMSQTsnp 334	5	2244739	1995	2244524	T	C
CIBC-17	CS22603	6907	1	40	AtMSQTsnp 334	5	2244739	1995	2244524	T	C
CIBC-17	CS22603	8276	1	40	AtMSQTsnp 334	5	2244739	1995	2244524	T	C
KZ-1	CS22435	6826	1	43	AtMSQTsnp 108	1	28666837	343	28666569	A	G
KZ-1	CS22435	6826	1	43	AtMSQTsnp 395	5	20915321	981	20915132	A	G
KZ-1	CS22435	6826	1	43	AtMSQTsnp 10	1	1149280	1467	1149096	A	AG
KZ-1	CS22435	6826	1	43	AtMSQTsnp 235	3	19930624	833	19930188	A	AG
KZ-1	CS22435	6826	1	43	AtMSQTsnp 323	5	872350	532	872097	A	AG
KZ-1	CS22435	6826	1	43	AtMSQTsnp 406	5	23815848	978	23815354	A	AG
KZ-1	CS22435	6826	1	43	AtMSQTsnp 203	3	6890665	73	6890596	A	AT
KZ-1	CS22435	6826	1	43	AtMSQTsnp 282	4	10659455	505	10659034	A	AT
KZ-1	CS22435	6826	1	43	AtMSQTsnp 378	5	17171676	1489	17171242	C	G
KZ-1	CS22435	6826	1	43	AtMSQTsnp 73	1	20175347	1477	20174753	C	T
KZ-1	CS22435	6826	1	43	AtMSQTsnp 90	1	23893336	69	23893276	C	T
KZ-1	CS22435	6826	1	43	AtMSQTsnp 321	5	625679	2386	625179	C	AC
KZ-1	CS22435	6826	1	43	AtMSQTsnp 67	1	17355738	660	17355484	G	A
KZ-1	CS22435	6826	1	43	AtMSQTsnp 373	5	15767945	1190	15767914	G	A
KZ-1	CS22435	6826	1	43	AtMSQTsnp 397	5	22040877	992	22040690	G	T
KZ-1	CS22435	6826	1	43	AtMSQTsnp 410	5	26120955	596	26120843	G	AG
KZ-1	CS22435	6826	1	43	AtMSQTsnp 40	1	7842523	928	7842440	G	CG
KZ-1	CS22435	6826	1	43	AtMSQTsnp 306	4	16742071	2714	16741855	G	CG
KZ-1	CS22435	6826	1	43	AtMSQTsnp 15	1	2844525	1139	2844111	T	C
KZ-1	CS22435	6826	1	43	AtMSQTsnp 21	1	4142539	2625	4142402	T	CT
KZ-1	CS22435	6826	1	43	AtMSQTsnp 205	3	7392098	91	7391896	T	CT
KZ-1	CS22435	6826	1	43	AtMSQTsnp 279	4	9580049	2788	9579976	T	CT
KZ-1	CS22435	6826	1	43	AtMSQTsnp 404	5	23270994	1391	23270845	T	CT
KZ-1	CS22435	6826	1	43	AtMSQTsnp 222	3	15880426	823	15879997	T	GT
KZ-1	CS22435	6826	1	43	AtMSQTsnp 327	5	1497133	2105	1496987	T	GT
KZ-1	CS22606	6930	1	43	AtMSQTsnp 15	1	2844525	1139	2844111	T	C
Kz-1	CS22606	8320	1	43	AtMSQTsnp 15	1	2844525	1139	2844111	T	C
GOT-7	CS22608	6921	1	45	AtMSQTsnp 267	4	8297960	499	8297594	C	CT
GOT-22	CS22298	6775	1	46	AtMSQTsnp 232	3	18980664	829	18980171	A	AC
GOT-22	CS22298	6775	1	46	AtMSQTsnp 267	4	8297960	499	8297594	C	CT
GOT-22	CS22609	6920	1	46	AtMSQTsnp 267	4	8297960	499	8297594	C	CT
GOT-22	CS22298	6775	1	46	AtMSQTsnp 306	4	16742071	2714	16741855	CG	G
GOT-22	CS22609	6920	1	46	AtMSQTsnp 306	4	16742071	2714	16741855	CG	G
Got-22	CS22609	8298	1	46	AtMSQTsnp 306	4	16742071	2714	16741855	CG	G
REN-1	CS22253	6866	1	47	AtMSQTsnp 388	5	19316200	761	19315950	A	C
REN-1	CS22253	6866	1	47	AtMSQTsnp 392	5	20409250	994	20408706	A	G
REN-1	CS22610	6959	1	47	AtMSQTsnp 388	5	19316200	761	19315950	A	C
REN-1	CS22610	6959	1	47	AtMSQTsnp 392	5	20409250	994	20408706	A	G
Ren-1	CS22610	8367	1	47	AtMSQTsnp 388	5	19316200	761	19315950	A	C
REN-1	CS22253	6866	1	47	AtMSQTsnp 310	4	17608924	1999	17608717	C	A
REN-1	CS22253	6866	1	47	AtMSQTsnp 306	4	16742071	2714	16741855	C	G
REN-1	CS22253	6866	1	47	AtMSQTsnp 285	4	11326190	507	11325921	C	T
REN-1	CS22253	6866	1	47	AtMSQTsnp 164	2	14003409	2631	14003272	C	AC
REN-1	CS22253	6866	1	47	AtMSQTsnp 267	4	8297960	499	8297594	C	CT
REN-1	CS22610	6959	1	47	AtMSQTsnp 267	4	8297960	499	8297594	C	CT
REN-1	CS22253	6866	1	47	AtMSQTsnp 281	4	10482088	956	10482038	T	C
REN-1	CS22610	6959	1	47	AtMSQTsnp 281	4	10482088	956	10482038	T	CT
REN-11	CS22263	6867	1	48	AtMSQTsnp 47	1	9343401	929	9343234	C	AC
REN-11	CS22263	6867	1	48	AtMSQTsnp 73	1	20175347	1477	20174753	C	CT
REN-11	CS22263	6867	1	48	AtMSQTsnp 267	4	8297960	499	8297594	C	CT
REN-11	CS22611	6960	1	48	AtMSQTsnp 267	4	8297960	499	8297594	C	CT
REN-11	CS22263	6867	1	48	AtMSQTsnp 285	4	11326190	507	11325921	CT	T
REN-11	CS22611	6960	1	48	AtMSQTsnp 285	4	11326190	507	11325921	CT	C
REN-11	CS22263	6867	1	48	AtMSQTsnp 266	4	8078648	238	8078388	GT	G
REN-11	CS22611	6960	1	48	AtMSQTsnp 266	4	8078648	238	8078388	GT	G
Uod-7	CS22613	6976	1	50	AtMSQTsnp 267	4	8297960	499	8297594	C	CT
Lz-0	CS22615	6936	1	52	AtMSQTsnp 159	2	13265124	2127	13265029	T	C
Lz-0	CS6788	7219	1	52	AtMSQTsnp 159	2	13265124	2127	13265029	T	C
Lz-0	CS22615	8336	1	52	AtMSQTsnp 159	2	13265124	2127	13265029	T	C
Ei-2	CS22616	6915	1	53	AtMSQTsnp 232	3	18980664	829	18980171	A	AC
Ei-2	CS6689	7112	1	53	AtMSQTsnp 232	3	18980664	829	18980171	A	AC
Ei-2	CS22616	6915	1	53	AtMSQTsnp 138	2	8371133	373	8370574	C	T
Ei-2	CS6689	7112	1	53	AtMSQTsnp 138	2	8371133	373	8370574	C	CT
Gu-0	CS6730	7149	1	54	AtMSQTsnp 232	3	18980664	829	18980171	A	AC
Gu-0	CS6730	7149	1	54	AtMSQTsnp 138	2	8371133	373	8370574	C	CT
Ler-1	CS6928	7211	1	55	AtMSQTsnp 9	1	1042427	1109	1042028	G	GT
Ler-1	CS22618	6932	1	55	AtMSQTsnp 159	2	13265124	2127	13265029	T	C
Ler-1	CS22618	6932	2	55	AtMSQTsnp 159	2	13265124	2127	13265029	T	C
Ler-1	CS6928	7211	1	55	AtMSQTsnp 159	2	13265124	2127	13265029	T	C
Ler-1	CS6928	7211	1	55	AtMSQTsnp 304	4	16272521	2262	16272270	T	CT
Ler-1	CS22618	8324	1	55	AtMSQTsnp 159	2	13265124	2127	13265029	T	C
Nd-1	CS22619	6942	1	56	AtMSQTsnp 232	3	18980664	829	18980171	A	AC
Nd-1	CS1636	7266	1	56	AtMSQTsnp 232	3	18980664	829	18980171	A	AC

Nd-1	CS1636	7266	1	56	AtMSQTsnp 108	1	28666837	343	28666569	A	AG
Nd-1	CS22619	6942	1	56	AtMSQTsnp 138	2	8371133	373	8370574	C	T
Nd-1	CS1636	7266	1	56	AtMSQTsnp 11	1	1602136	848	1601885	C	CT
Nd-1	CS1636	7266	1	56	AtMSQTsnp 138	2	8371133	373	8370574	C	CT
Nd-1	CS6922	7267	1	56	AtMSQTsnp 138	2	8371133	373	8370574	C	CT
C24	CS906	7059	1	57	AtMSQTsnp 138	2	8371133	373	8370574	C	CT
C24	CS22620	8273	1	57	AtMSQTsnp 138	2	8371133	373	8370574	C	CT
N13	CS22491	7438	1	58	AtMSQTsnp 169	2	15801542	396	15801112	G	GT
Wei-0	CS22622	6979	1	59	AtMSQTsnp 232	3	18980664	829	18980171	A	AC
Wei-0	CS6182	7402	1	59	AtMSQTsnp 232	3	18980664	829	18980171	A	AC
Wei-0	CS6182	7402	1	59	AtMSQTsnp 358	5	7279057	550	7278798	G	A
Wei-0	CS6182	7402	1	59	AtMSQTsnp 355	5	6708014	547	6707732	G	T
Ws-0	CS22623	6980	1	60	AtMSQTsnp 267	4	8297960	499	8297594	C	CT
Ws-0	CS6891	7396	1	60	AtMSQTsnp 267	4	8297960	499	8297594	C	CT
Yo-0	CS6901	7416	1	61	AtMSQTsnp 54	1	10720273	860	10719833	A	AG
Yo-0	CS22624	8408	1	61	AtMSQTsnp 138	2	8371133	373	8370574	C	CT
Van-0	CS6884	7383	1	64	AtMSQTsnp 47	1	9343401	929	9343234	A	C
Van-0	CS22627	6977	1	64	AtMSQTsnp 281	4	10482088	956	10482038	C	T
Van-0	CS6884	7383	1	64	AtMSQTsnp 281	4	10482088	956	10482038	C	T
Van-0	CS22627	8400	1	64	AtMSQTsnp 281	4	10482088	956	10482038	C	T
Van-0	CS22627	6977	1	64	AtMSQTsnp 12	1	2211033	964	2210982	G	A
Van-0	CS22627	6977	1	64	AtMSQTsnp 220	3	11398207	1053	11398071	G	A
Van-0	CS6884	7383	1	64	AtMSQTsnp 12	1	2211033	964	2210982	G	A
Van-0	CS6884	7383	1	64	AtMSQTsnp 92	1	24292774	672	24292482	G	A
Van-0	CS6884	7383	1	64	AtMSQTsnp 220	3	11398207	1053	11398071	G	A
Van-0	CS22627	8400	1	64	AtMSQTsnp 12	1	2211033	964	2210982	G	A
Van-0	CS22627	8400	1	64	AtMSQTsnp 220	3	11398207	1053	11398071	G	A
Van-0	CS6884	7383	1	64	AtMSQTsnp 184	2	18752840	1423	18752604	T	A
Van-0	CS22627	6977	1	64	AtMSQTsnp 63	1	13712241	345	13711856	AC	A
Van-0	CS22627	6977	1	64	AtMSQTsnp 260	4	5775707	933	5775541	AC	A
Van-0	CS6884	7383	1	64	AtMSQTsnp 63	1	13712241	345	13711856	AC	A
Van-0	CS6884	7383	1	64	AtMSQTsnp 260	4	5775707	933	5775541	AC	A
Van-0	CS22627	8400	1	64	AtMSQTsnp 63	1	13712241	345	13711856	AC	A
Van-0	CS22627	8400	1	64	AtMSQTsnp 260	4	5775707	933	5775541	AC	A
Van-0	CS22627	6977	1	64	AtMSQTsnp 101	1	26278413	330	26278221	AG	A
Van-0	CS22627	6977	1	64	AtMSQTsnp 197	3	4818602	435	4818362	AG	A
Van-0	CS22627	6977	1	64	AtMSQTsnp 214	3	9747261	641	9747158	AG	A
Van-0	CS22627	6977	1	64	AtMSQTsnp 323	5	872350	532	872097	AG	A
Van-0	CS22627	6977	1	64	AtMSQTsnp 395	5	20915321	981	20915132	AG	A
Van-0	CS22627	6977	1	64	AtMSQTsnp 8	1	993374	1042	992824	AG	G
Van-0	CS22627	6977	1	64	AtMSQTsnp 108	1	28666837	343	28666569	AG	G
Van-0	CS22627	6977	1	64	AtMSQTsnp 410	5	26120955	596	26120843	AG	G
Van-0	CS6884	7383	1	64	AtMSQTsnp 65	1	16874727	290	16874305	AG	A
Van-0	CS6884	7383	1	64	AtMSQTsnp 101	1	26278413	330	26278221	AG	A
Van-0	CS6884	7383	1	64	AtMSQTsnp 129	2	5804076	407	5803805	AG	A
Van-0	CS6884	7383	1	64	AtMSQTsnp 197	3	4818602	435	4818362	AG	A
Van-0	CS6884	7383	1	64	AtMSQTsnp 323	5	872350	532	872097	AG	A
Van-0	CS6884	7383	1	64	AtMSQTsnp 395	5	20915321	981	20915132	AG	A
Van-0	CS6884	7383	1	64	AtMSQTsnp 8	1	993374	1042	992824	AG	G
Van-0	CS6884	7383	1	64	AtMSQTsnp 108	1	28666837	343	28666569	AG	G
Van-0	CS6884	7383	1	64	AtMSQTsnp 410	5	26120955	596	26120843	AG	G
Van-0	CS22627	8400	1	64	AtMSQTsnp 65	1	16874727	290	16874305	AG	A
Van-0	CS22627	8400	1	64	AtMSQTsnp 101	1	26278413	330	26278221	AG	A
Van-0	CS22627	8400	1	64	AtMSQTsnp 197	3	4818602	435	4818362	AG	A
Van-0	CS22627	8400	1	64	AtMSQTsnp 214	3	9747261	641	9747158	AG	A
Van-0	CS22627	8400	1	64	AtMSQTsnp 323	5	872350	532	872097	AG	A
Van-0	CS22627	8400	1	64	AtMSQTsnp 395	5	20915321	981	20915132	AG	A
Van-0	CS22627	8400	1	64	AtMSQTsnp 8	1	993374	1042	992824	AG	G
Van-0	CS22627	8400	1	64	AtMSQTsnp 108	1	28666837	343	28666569	AG	G
Van-0	CS22627	8400	1	64	AtMSQTsnp 410	5	26120955	596	26120843	AG	G
Van-0	CS22627	6977	1	64	AtMSQTsnp 29	1	5482008	263	5481722	AT	A
Van-0	CS22627	6977	1	64	AtMSQTsnp 203	3	6890665	73	6890596	AT	A
Van-0	CS22627	6977	1	64	AtMSQTsnp 194	3	3679541	1632	3679103	AT	T
Van-0	CS6884	7383	1	64	AtMSQTsnp 29	1	5482008	263	5481722	AT	A
Van-0	CS6884	7383	1	64	AtMSQTsnp 203	3	6890665	73	6890596	AT	A
Van-0	CS6884	7383	1	64	AtMSQTsnp 194	3	3679541	1632	3679103	AT	T
Van-0	CS22627	8400	1	64	AtMSQTsnp 29	1	5482008	263	5481722	AT	A
Van-0	CS22627	8400	1	64	AtMSQTsnp 203	3	6890665	73	6890596	AT	A
Van-0	CS22627	8400	1	64	AtMSQTsnp 194	3	3679541	1632	3679103	AT	T
Van-0	CS22627	6977	1	64	AtMSQTsnp 97	1	24893649	1428	24893448	CG	C
Van-0	CS22627	6977	1	64	AtMSQTsnp 378	5	17171676	1489	17171242	CG	C
Van-0	CS6884	7383	1	64	AtMSQTsnp 97	1	24893649	1428	24893448	CG	C
Van-0	CS6884	7383	1	64	AtMSQTsnp 378	5	17171676	1489	17171242	CG	C
Van-0	CS6884	7383	1	64	AtMSQTsnp 58	1	12093546	279	12093079	CG	G
Van-0	CS22627	8400	1	64	AtMSQTsnp 97	1	24893649	1428	24893448	CG	C
Van-0	CS22627	8400	1	64	AtMSQTsnp 378	5	17171676	1489	17171242	CG	C
Van-0	CS22627	6977	1	64	AtMSQTsnp 90	1	23893336	69	23893276	CT	C
Van-0	CS22627	6977	1	64	AtMSQTsnp 188	3	2072780	649	2072648	CT	C
Van-0	CS22627	6977	1	64	AtMSQTsnp 242	3	21632608	138	21632379	CT	C
Van-0	CS22627	6977	1	64	AtMSQTsnp 11	1	1602136	848	1601885	CT	T
Van-0	CS22627	6977	1	64	AtMSQTsnp 285	4	11326190	507	11325921	CT	T

Van-0	CS22627	6977	1	64	AtMSQTsnp 390	5	20215473	970	20214933	CT	T
Van-0	CS6884	7383	1	64	AtMSQTsnp 87	1	23381760	312	23381443	CT	C
Van-0	CS6884	7383	1	64	AtMSQTsnp 90	1	23893336	69	23893276	CT	C
Van-0	CS6884	7383	1	64	AtMSQTsnp 188	3	2072780	649	2072648	CT	C
Van-0	CS6884	7383	1	64	AtMSQTsnp 242	3	21632608	138	21632379	CT	C
Van-0	CS6884	7383	1	64	AtMSQTsnp 267	4	8297960	499	8297594	CT	C
Van-0	CS6884	7383	1	64	AtMSQTsnp 11	1	1602136	848	1601885	CT	T
Van-0	CS6884	7383	1	64	AtMSQTsnp 237	3	20483289	1645	20482976	CT	T
Van-0	CS6884	7383	1	64	AtMSQTsnp 285	4	11326190	507	11325921	CT	T
Van-0	CS6884	7383	1	64	AtMSQTsnp 390	5	20215473	970	20214933	CT	T
Van-0	CS22627	8400	1	64	AtMSQTsnp 87	1	23381760	312	23381443	CT	C
Van-0	CS22627	8400	1	64	AtMSQTsnp 90	1	23893336	69	23893276	CT	C
Van-0	CS22627	8400	1	64	AtMSQTsnp 188	3	2072780	649	2072648	CT	C
Van-0	CS22627	8400	1	64	AtMSQTsnp 242	3	21632608	138	21632379	CT	C
Van-0	CS22627	8400	1	64	AtMSQTsnp 267	4	8297960	499	8297594	CT	C
Van-0	CS22627	8400	1	64	AtMSQTsnp 11	1	1602136	848	1601885	CT	T
Van-0	CS22627	8400	1	64	AtMSQTsnp 285	4	11326190	507	11325921	CT	T
Van-0	CS22627	8400	1	64	AtMSQTsnp 390	5	20215473	970	20214933	CT	T
Van-0	CS22627	6977	1	64	AtMSQTsnp 359	5	7442381	1363	7442039	GT	G
Van-0	CS22627	6977	1	64	AtMSQTsnp 266	4	8078648	238	8078388	GT	T
Van-0	CS22627	6977	1	64	AtMSQTsnp 397	5	22040877	992	22040690	GT	T
Van-0	CS6884	7383	1	64	AtMSQTsnp 359	5	7442381	1363	7442039	GT	G
Van-0	CS6884	7383	1	64	AtMSQTsnp 266	4	8078648	238	8078388	GT	T
Van-0	CS6884	7383	1	64	AtMSQTsnp 397	5	22040877	992	22040690	GT	T
Van-0	CS22627	8400	1	64	AtMSQTsnp 359	5	7442381	1363	7442039	GT	G
Van-0	CS22627	8400	1	64	AtMSQTsnp 266	4	8078648	238	8078388	GT	T
Van-0	CS22627	8400	1	64	AtMSQTsnp 397	5	22040877	992	22040690	GT	T
Br-0	CS22628	6904	1	65	AtMSQTsnp 267	4	8297960	499	8297594	C	CT
Br-0	CS6626	7027	1	65	AtMSQTsnp 138	2	8371133	373	8370574	C	T
Br-0	CS6626	7027	1	65	AtMSQTsnp 267	4	8297960	499	8297594	C	CT
Est-1	CS22629	6916	1	66	AtMSQTsnp 232	3	18980664	829	18980171	A	AC
Est-1	CS22629	6916	1	66	AtMSQTsnp 164	2	14003409	2631	14003272	C	A
Est-1	CS6701	7129	1	66	AtMSQTsnp 164	2	14003409	2631	14003272	C	A
Ag-0	CS22630	6897	1	67	AtMSQTsnp 267	4	8297960	499	8297594	C	CT
Ag-0	CS6601	6999	1	67	AtMSQTsnp 267	4	8297960	499	8297594	C	CT
Ag-0	CS22630	6897	1	67	AtMSQTsnp 315	4	18560343	2289	18560103	T	AT
Gy-0	CS6732	7421	1	68	AtMSQTsnp 164	2	14003409	2631	14003272	C	A
Gy-0	CS22631	8214	1	68	AtMSQTsnp 164	2	14003409	2631	14003272	C	A
Ra-0	CS22632	6958	1	69	AtMSQTsnp 321	5	625679	2386	625179	A	C
Ra-0	CS6844	7312	1	69	AtMSQTsnp 321	5	625679	2386	625179	A	C
Ra-0	CS6844	7312	1	69	AtMSQTsnp 232	3	18980664	829	18980171	A	AC
Ra-0	CS22632	8364	1	69	AtMSQTsnp 321	5	625679	2386	625179	A	C
Ra-0	CS22632	6958	1	69	AtMSQTsnp 164	2	14003409	2631	14003272	C	A
Ra-0	CS6844	7312	1	69	AtMSQTsnp 164	2	14003409	2631	14003272	C	A
Ra-0	CS6844	7312	1	69	AtMSQTsnp 334	5	2244739	1995	2244524	C	T
Ra-0	CS22632	8364	1	69	AtMSQTsnp 334	5	2244739	1995	2244524	C	T
Ra-0	CS22632	8364	1	69	AtMSQTsnp 223	3	16489589	2208	16489217	G	A
Bay-0	CS57923	7007	1	70	AtMSQTsnp 232	3	18980664	829	18980171	A	AC
Ga-0	CS6714	7140	1	71	AtMSQTsnp 232	3	18980664	829	18980171	A	AC
Mrk-0	CS22635	6937	1	72	AtMSQTsnp 325	5	1214057	2388	1213621	C	T
Mrk-0	CS22635	6937	1	72	AtMSQTsnp 138	2	8371133	373	8370574	C	CT
Mrk-0	CS6796	7247	1	72	AtMSQTsnp 325	5	1214057	2388	1213621	C	T
Mrk-0	CS22635	8339	1	72	AtMSQTsnp 325	5	1214057	2388	1213621	C	T
Wt-5	CS22637	6982	1	74	AtMSQTsnp 334	5	2244739	1995	2244524	T	C
Wt-5	CS6896	7410	1	74	AtMSQTsnp 334	5	2244739	1995	2244524	T	C
Wt-5	CS22637	8407	1	74	AtMSQTsnp 334	5	2244739	1995	2244524	T	C
Ct-1	CS22639	6910	1	76	AtMSQTsnp 156	2	12658862	2572	12658576	T	C
Ct-1	CS22639	6910	1	76	AtMSQTsnp 292	4	12404111	2534	12403706	T	C
Ct-1	CS6674	7067	1	76	AtMSQTsnp 156	2	12658862	2572	12658576	T	C
Ct-1	CS6674	7067	1	76	AtMSQTsnp 292	4	12404111	2534	12403706	T	C
Ct-1	CS22639	8280	1	76	AtMSQTsnp 292	4	12404111	2534	12403706	T	C
Mr-0	CS6795	7429	1	77	AtMSQTsnp 164	2	14003409	2631	14003272	A	AC
Mr-0	CS6795	7429	1	77	AtMSQTsnp 254	4	2441217	233	2440917	A	AC
Mr-0	CS6795	7429	1	77	AtMSQTsnp 118	2	322335	2465	322253	A	AG
Mr-0	CS6795	7429	1	77	AtMSQTsnp 155	2	12657149	38	12656716	A	AG
Mr-0	CS6795	7429	1	77	AtMSQTsnp 189	3	2231938	779	2231413	A	AG
Mr-0	CS6795	7429	1	77	AtMSQTsnp 223	3	16489589	2208	16489217	A	AG
Mr-0	CS6795	7429	1	77	AtMSQTsnp 235	3	19930624	833	19930188	A	AG
Mr-0	CS6795	7429	1	77	AtMSQTsnp 370	5	15065196	756	15065018	A	AG
Mr-0	CS6795	7429	1	77	AtMSQTsnp 29	1	5482008	263	5481722	A	AT
Mr-0	CS6795	7429	1	77	AtMSQTsnp 186	3	298210	777	297801	A	AT
Mr-0	CS6795	7429	1	77	AtMSQTsnp 194	3	3679541	1632	3679103	A	AT
Mr-0	CS6795	7429	1	77	AtMSQTsnp 315	4	18560343	2289	18560103	A	AT
Mr-0	CS6795	7429	1	77	AtMSQTsnp 191	3	2236458	2592	2236406	C	AC
Mr-0	CS6795	7429	1	77	AtMSQTsnp 232	3	18980664	829	18980171	C	AC
Mr-0	CS6795	7429	1	77	AtMSQTsnp 260	4	5775707	933	5775541	C	AC
Mr-0	CS6795	7429	1	77	AtMSQTsnp 15	1	2844525	1139	2844111	C	CT
Mr-0	CS6795	7429	1	77	AtMSQTsnp 49	1	9781347	1018	9781260	C	CT
Mr-0	CS6795	7429	1	77	AtMSQTsnp 73	1	20175347	1477	20174753	C	CT
Mr-0	CS6795	7429	1	77	AtMSQTsnp 156	2	12658862	2572	12658576	C	CT
Mr-0	CS6795	7429	1	77	AtMSQTsnp 159	2	13265124	2127	13265029	C	CT

Mr-0	CS6795	7429	1	77	AtMSQTsnp 237	3	20483289	1645	20482976	C	CT
Mr-0	CS6795	7429	1	77	AtMSQTsnp 267	4	8297960	499	8297594	C	CT
Mr-0	CS6795	7429	1	77	AtMSQTsnp 173	2	16908190	728	16908054	G	A
Mr-0	CS6795	7429	1	77	AtMSQTsnp 10	1	1149280	1467	1149096	G	AG
Mr-0	CS6795	7429	1	77	AtMSQTsnp 22	1	4396087	46	4395913	G	AG
Mr-0	CS6795	7429	1	77	AtMSQTsnp 62	1	13541648	808	13541490	G	AG
Mr-0	CS6795	7429	1	77	AtMSQTsnp 65	1	16874727	290	16874305	G	AG
Mr-0	CS6795	7429	1	77	AtMSQTsnp 91	1	24071689	1427	24071203	G	AG
Mr-0	CS6795	7429	1	77	AtMSQTsnp 108	1	28666837	343	28666569	G	AG
Mr-0	CS6795	7429	1	77	AtMSQTsnp 197	3	4818602	435	4818362	G	AG
Mr-0	CS6795	7429	1	77	AtMSQTsnp 300	4	15765120	1685	15764920	G	AG
Mr-0	CS6795	7429	1	77	AtMSQTsnp 368	5	14216131	1035	14215995	G	AG
Mr-0	CS6795	7429	1	77	AtMSQTsnp 394	5	20518330	2759	20518241	G	AG
Mr-0	CS6795	7429	1	77	AtMSQTsnp 395	5	20915321	981	20915132	G	AG
Mr-0	CS6795	7429	1	77	AtMSQTsnp 406	5	23815848	978	23815354	G	AG
Mr-0	CS6795	7429	1	77	AtMSQTsnp 410	5	26120955	596	26120843	G	AG
Mr-0	CS6795	7429	1	77	AtMSQTsnp 306	4	16742071	2714	16741855	G	CG
Mr-0	CS6795	7429	1	77	AtMSQTsnp 331	5	1931167	1633	1931083	G	CG
Mr-0	CS6795	7429	1	77	AtMSQTsnp 378	5	17171676	1489	17171242	G	CG
Mr-0	CS6795	7429	1	77	AtMSQTsnp 69	1	18340160	1407	18340113	G	GT
Mr-0	CS6795	7429	1	77	AtMSQTsnp 274	4	9213312	2778	9213072	G	GT
Mr-0	CS6795	7429	1	77	AtMSQTsnp 14	1	2775956	1649	2775589	T	AT
Mr-0	CS6795	7429	1	77	AtMSQTsnp 76	1	21908667	2670	21908157	T	CT
Mr-0	CS6795	7429	1	77	AtMSQTsnp 205	3	7392098	91	7391896	T	CT
Mr-0	CS6795	7429	1	77	AtMSQTsnp 242	3	21632608	138	21632379	T	CT
Mr-0	CS6795	7429	1	77	AtMSQTsnp 263	4	7077926	495	7077771	T	CT
Mr-0	CS6795	7429	1	77	AtMSQTsnp 285	4	11326190	507	11325921	T	CT
Mr-0	CS6795	7429	1	77	AtMSQTsnp 397	5	22040877	992	22040690	T	GT
Tsu-1	CS22641	6972	1	78	AtMSQTsnp 232	3	18980664	829	18980171	A	AC
Tsu-1	CS22641	8394	1	78	AtMSQTsnp 138	2	8371133	373	8370574	C	T
Tsu-1	CS22641	6972	1	78	AtMSQTsnp 334	5	2244739	1995	2244524	T	C
Tsu-1	CS6926	7374	1	78	AtMSQTsnp 334	5	2244739	1995	2244524	T	C
Tsu-1	CS22641	8394	1	78	AtMSQTsnp 334	5	2244739	1995	2244524	T	C
Mt-0	CS6799	7249	1	79	AtMSQTsnp 138	2	8371133	373	8370574	C	T
Mt-0	CS22642	8341	1	79	AtMSQTsnp 138	2	8371133	373	8370574	C	CT
Mt-0	CS22642	6939	1	79	AtMSQTsnp 97	1	24893649	1428	24893448	G	C
Nok-3	CS22643	6945	1	80	AtMSQTsnp 334	5	2244739	1995	2244524	C	T
Nok-3	CS6810	7272	1	80	AtMSQTsnp 334	5	2244739	1995	2244524	C	T
Nok-3	CS22643	8347	1	80	AtMSQTsnp 334	5	2244739	1995	2244524	C	T
Fei-0	CS22645	8215	1	82	AtMSQTsnp 232	3	18980664	829	18980171	A	AC
Fei-0	CS22645	8215	1	82	AtMSQTsnp 223	3	16489589	2208	16489217	AG	G
Fei-0	CS22645	8294	1	82	AtMSQTsnp 223	3	16489589	2208	16489217	AG	G
Se-0	CS22646	6961	1	83	AtMSQTsnp 267	4	8297960	499	8297594	C	CT
Se-0	CS6852	7326	1	83	AtMSQTsnp 267	4	8297960	499	8297594	C	CT
Se-0	CS6852	7326	1	83	AtMSQTsnp 312	4	17803781	1985	17803605	C	CT
Ts-1	CS22647	6970	1	84	AtMSQTsnp 232	3	18980664	829	18980171	A	AC
Ts-5	CS22648	6971	1	85	AtMSQTsnp 370	5	15065196	756	15065018	A	G
Ts-5	CS6871	7369	1	85	AtMSQTsnp 370	5	15065196	756	15065018	A	G
Ts-5	CS22648	6971	1	85	AtMSQTsnp 267	4	8297960	499	8297594	C	CT
Ts-5	CS6871	7369	1	85	AtMSQTsnp 267	4	8297960	499	8297594	C	CT
Kondara	CS22651	6929	1	88	AtMSQTsnp 114	1	30214313	1800	30213917	A	G
Kondara	CS916	7200	1	88	AtMSQTsnp 114	1	30214313	1800	30213917	A	G
Kondara	CS22651	8319	1	88	AtMSQTsnp 114	1	30214313	1800	30213917	A	G
Kin-0	CS22654	8316	1	91	AtMSQTsnp 138	2	8371133	373	8370574	C	CT
Ms-0	CS22655	6938	1	92	AtMSQTsnp 173	2	16908190	728	16908054	A	G
Ms-0	CS22655	6938	1	92	AtMSQTsnp 220	3	11398207	1053	11398071	A	G
Ms-0	CS6797	7254	1	92	AtMSQTsnp 173	2	16908190	728	16908054	A	G
Ms-0	CS22655	8340	1	92	AtMSQTsnp 173	2	16908190	728	16908054	A	G
Ms-0	CS6797	7254	1	92	AtMSQTsnp 304	4	16272521	2262	16272270	C	T
Ms-0	CS6797	7254	1	92	AtMSQTsnp 312	4	17803781	1985	17803605	C	T
Ms-0	CS22655	6938	1	92	AtMSQTsnp 331	5	1931167	1633	1931083	G	C
Ms-0	CS22655	6938	1	92	AtMSQTsnp 222	3	15880426	823	15879997	G	T
Ms-0	CS6797	7254	1	92	AtMSQTsnp 331	5	1931167	1633	1931083	G	CG
Ms-0	CS6797	7254	1	92	AtMSQTsnp 307	4	17038400	2205	17038096	T	A
Ms-0	CS6797	7254	1	92	AtMSQTsnp 315	4	18560343	2289	18560103	T	A
Ms-0	CS6797	7254	1	92	AtMSQTsnp 360	5	7842993	174	7842900	T	GT
Ms-0	CS22655	6938	1	92	AtMSQTsnp 177	2	17859964	118	17859576	AG	A
Ms-0	CS22655	6938	1	92	AtMSQTsnp 249	4	1055234	482	1055093	AG	A
Ms-0	CS22655	6938	1	92	AtMSQTsnp 323	5	872350	532	872097	AG	G
Ms-0	CS6797	7254	1	92	AtMSQTsnp 177	2	17859964	118	17859576	AG	A
Ms-0	CS6797	7254	1	92	AtMSQTsnp 249	4	1055234	482	1055093	AG	A
Ms-0	CS22655	8340	1	92	AtMSQTsnp 177	2	17859964	118	17859576	AG	A
Ms-0	CS22655	8340	1	92	AtMSQTsnp 249	4	1055234	482	1055093	AG	A
Ms-0	CS22655	8340	1	92	AtMSQTsnp 323	5	872350	532	872097	AG	G
Oy-0	CS22658	6946	1	95	AtMSQTsnp 232	3	18980664	829	18980171	A	AC
Ws-2	CS22659	6981	1	96	AtMSQTsnp 370	5	15065196	756	15065018	A	G
NC-6		8246	1	294	AtMSQTsnp 278	4	9377790	2783	9377549	G	A
NC-6		8246	1	294	AtMSQTsnp 274	4	9213312	2778	9213072	T	G
Sf-1	CS6855	7327	1	300	AtMSQTsnp 278	4	9377790	2783	9377549	A	G
Sf-1	N6855	8380	1	300	AtMSQTsnp 278	4	9377790	2783	9377549	A	G
Sf-1	CS6855	7327	1	300	AtMSQTsnp 274	4	9213312	2778	9213072	G	T

Sf-1	N6855	8380	1	300	AtMSQTsnp 274	4	9213312	2778	9213072	G	T
Ang-0	CS6605	6992	1	303	AtMSQTsnp 279	4	9580049	2788	9579976	C	T
PHW-34	N6034	8244	1	304	AtMSQTsnp 274	4	9213312	2778	9213072	T	G
Blh-1	CS6645	7034	1	317	AtMSQTsnp 274	4	9213312	2778	9213072	G	T
Lip-0	CS6780	7235	1	326	AtMSQTsnp 279	4	9580049	2788	9579976	C	T
Lip-0	CS6780	7235	1	326	AtMSQTsnp 274	4	9213312	2778	9213072	T	G
Na-1	CS6801	7257	1	330	AtMSQTsnp 274	4	9213312	2778	9213072	T	G
Pa-1	CS6825	7290	1	333	AtMSQTsnp 279	4	9580049	2788	9579976	T	C
Pi-0	CS6832	7298	1	336	AtMSQTsnp 279	4	9580049	2788	9579976	C	T
Pi-0	N1455	8356	1	336	AtMSQTsnp 279	4	9580049	2788	9579976	C	T
Pi-0	CS6832	7298	1	336	AtMSQTsnp 274	4	9213312	2778	9213072	T	G
Pi-0	N1455	8356	1	336	AtMSQTsnp 274	4	9213312	2778	9213072	T	G
Rak-2	CS6846	7311	1	338	AtMSQTsnp 279	4	9580049	2788	9579976	T	C
Sap-0	CS6854	7339	1	341	AtMSQTsnp 279	4	9580049	2788	9579976	T	C
Sap-0	CS6854	7339	1	341	AtMSQTsnp 274	4	9213312	2778	9213072	T	G
Lom1-1		6042	2	351	AtMSQTsnp 278	4	9377790	2783	9377549	A	G
Gul1-2		8234	1	356	AtMSQTsnp 274	4	9213312	2778	9213072	G	T
Stu1-1		6088	1	363	AtMSQTsnp 274	4	9213312	2778	9213072	G	T
Duk		6008	2	378	AtMSQTsnp 278	4	9377790	2783	9377549	A	G
DraII-1		8284	1	381	AtMSQTsnp 274	4	9213312	2778	9213072	T	G
DraII-1		8284	1	381	AtMSQTsnp 278	4	9377790	2783	9377549	AG	A
DraII-1		8284	1	381	AtMSQTsnp 279	4	9580049	2788	9579976	CT	T

5 2010 PCR versus sequenom for each strain

5.1 strain RRS-10(accession id=2)

5.1.1 corresponding ecotype RRS-10(stkparent=CS22565, ecotype id=8372, duplicate=1)

Table 6: accession id=2 vs ecotype id=8372, duplicate=1(nativename=RRS-10, stockparent=CS22565)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	2	0	3	3	0	0	0	0	0	0
A	0	10	32	0	0	0	0	0	0	0	0	0
C	0	4	1	22	0	0	0	0	0	0	0	0
G	0	7	0	0	28	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 7: detailed difference for accession id=2 vs ecotype id=8372, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 8	1	993374	1042	992824	NA	A
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	C	NA
AtMSQTsnp 53	1	10423708	948	10423483	NA	T
AtMSQTsnp 58	1	12093546	279	12093079	G	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 118	2	322335	2465	322253	NA	G
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 140	2	8750047	1072	8749828	C	A
AtMSQTsnp 142	2	9256095	223	9256049	NA	T
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	A	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 173	2	16908190	728	16908054	NA	G
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	A	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 220	3	11398207	1053	11398071	NA	A

AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 278	4	9377790	2783	9377549	A	NA
AtMSQTsnp 279	4	9580049	2788	9579976	NA	T
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 392	5	20409250	994	20408706	NA	G
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.2 strain KNO-10(accession id=3)

5.2.1 corresponding ecotype KNO-10(stkparent=CS22410, ecotype id=6809, duplicate=1)

Table 8: accession id=3 vs ecotype id=6809, duplicate=1(nativename=KNO-10, stockparent=CS22410)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	2	0	3	5	0	0	0	0	0	0
A	0	0	41	0	0	0	1	0	0	0	0	0
C	0	1	0	20	0	0	0	0	0	0	1	0
G	0	0	0	1	35	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 9: detailed difference for accession id=3 vs ecotype id=6809, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 8	1	993374	1042	992824	NA	A
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 67	1	17355738	660	17355484	NA	G
AtMSQTsnp 73	1	20175347	1477	20174753	C	NA
AtMSQTsnp 132	2	7072955	367	7072571	NA	T
AtMSQTsnp 138	2	8371133	373	8370574	C	CT
AtMSQTsnp 184	2	18752840	1423	18752604	NA	T
AtMSQTsnp 232	3	18980664	829	18980171	A	AC
AtMSQTsnp 260	4	5775707	933	5775541	NA	A
AtMSQTsnp 263	4	7077926	495	7077771	NA	T
AtMSQTsnp 279	4	9580049	2788	9579976	NA	T
AtMSQTsnp 282	4	10659455	505	10659034	NA	T
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 378	5	17171676	1489	17171242	G	C
AtMSQTsnp 392	5	20409250	994	20408706	NA	G
AtMSQTsnp 397	5	22040877	992	22040690	NA	G

5.2.2 corresponding ecotype Kno-10(stkparent=CS22566, ecotype id=8317, duplicate=1)

Table 10: accession id=3 vs ecotype id=8317, duplicate=1(nativename=Kno-10, stockparent=CS22566)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	3	2	0	1	4	0	0	0	0	0	0
A	0	8	34	0	0	0	0	0	0	0	0	0
C	0	4	0	18	0	0	0	0	0	0	0	0
G	0	6	0	1	29	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Figure 2: 2010 pcr strain X snp matrix. rows are labeled by 2010 accession ids. columns are labeled by SNP ids. check Figure 1 for legend.

Figure 3: sequenom strain X snp matrix. rows are labeled by sequenom ecotype,duplicate pairs. columns are labeled by SNP ids. check Figure 1 for legend.

Table 11: detailed difference for accession id=3 vs ecotype id=8317, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 8	1	993374	1042	992824	NA	A
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	C	NA
AtMSQTsnp 58	1	12093546	279	12093079	G	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 87	1	23381760	312	23381443	T	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 132	2	7072955	367	7072571	NA	T
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	A	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 186	3	298210	777	297801	A	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 237	3	20483289	1645	20482976	T	NA
AtMSQTsnp 260	4	5775707	933	5775541	NA	A
AtMSQTsnp 263	4	7077926	495	7077771	NA	T
AtMSQTsnp 279	4	9580049	2788	9579976	NA	T
AtMSQTsnp 282	4	10659455	505	10659034	NA	T
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 378	5	17171676	1489	17171242	G	C
AtMSQTsnp 397	5	22040877	992	22040690	NA	G
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.2.3 corresponding ecotype KNO-10(stkparent=CS22566, ecotype id=6927, duplicate=1)

Table 12: accession id=3 vs ecotype id=6927, duplicate=1(nativename=KNO-10, stockparent=CS22566)

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

Table 13: detailed difference for accession id=3 vs ecotype id=6927, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 8	1	993374	1042	992824	NA	A
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 67	1	17355738	660	17355484	NA	G
AtMSQTsnp 132	2	7072955	367	7072571	NA	T
AtMSQTsnp 138	2	8371133	373	8370574	C	NA
AtMSQTsnp 184	2	18752840	1423	18752604	NA	T
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 260	4	5775707	933	5775541	NA	A
AtMSQTsnp 263	4	7077926	495	7077771	NA	T
AtMSQTsnp 279	4	9580049	2788	9579976	NA	T
AtMSQTsnp 282	4	10659455	505	10659034	NA	T
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 378	5	17171676	1489	17171242	G	C
AtMSQTsnp 392	5	20409250	994	20408706	NA	G
AtMSQTsnp 397	5	22040877	992	22040690	NA	G

5.3 strain KNO-18(accession id=4)

5.3.1 corresponding ecotype KNO-18(stkparent=CS22567, ecotype id=6928, duplicate=1)

Table 14: accession id=4 vs ecotype id=6928, duplicate=1(nativename=KNO-18, stockparent=CS22567)

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

Table 15: detailed difference for accession id=4 vs ecotype id=6928, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 11	1	1602136	848	1601885	NA	C
AtMSQTsnp 27	1	5206767	1014	5206479	NA	A
AtMSQTsnp 31	1	5923041	265	5922974	NA	G
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 73	1	20175347	1477	20174753	C	NA
AtMSQTsnp 118	2	322335	2465	322253	NA	A
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 184	2	18752840	1423	18752604	NA	A
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 321	5	625679	2386	625179	NA	A
AtMSQTsnp 325	5	1214057	2388	1213621	NA	T
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 359	5	7442381	1363	7442039	NA	T
AtMSQTsnp 392	5	20409250	994	20408706	NA	G

5.3.2 corresponding ecotype KNO-18(stkparent=CS22418, ecotype id=6817, duplicate=1)

Table 16: accession id=4 vs ecotype id=6817, duplicate=1(nativename=KNO-18, stockparent=CS22418)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	4	1	2	2	0	0	0	0	0	0
A	0	1	36	0	0	0	1	0	0	0	0	0
C	0	1	0	25	0	0	0	0	0	0	0	0
G	0	0	0	0	37	0	0	0	0	0	0	0
T	0	2	0	0	0	32	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 17: detailed difference for accession id=4 vs ecotype id=6817, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 11	1	1602136	848	1601885	NA	C
AtMSQTsnp 27	1	5206767	1014	5206479	NA	A
AtMSQTsnp 31	1	5923041	265	5922974	NA	G
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 54	1	10720273	860	10719833	A	NA

AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 118	2	322335	2465	322253	NA	A
AtMSQTsnp 184	2	18752840	1423	18752604	NA	A
AtMSQTsnp 232	3	18980664	829	18980171	A	AC
AtMSQTsnp 321	5	625679	2386	625179	NA	A
AtMSQTsnp 325	5	1214057	2388	1213621	NA	T
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 359	5	7442381	1363	7442039	NA	T
AtMSQTsnp 392	5	20409250	994	20408706	NA	G

5.3.3 corresponding ecotype Kno-18(stkparent=CS22567, ecotype id=8318, duplicate=1)

Table 18: accession id=4 vs ecotype id=8318, duplicate=1(nativename=Kno-18, stockparent=CS22567)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	3	2	1	1	2	0	0	0	0	0	0
A	0	7	31	0	0	0	0	0	0	0	0	0
C	0	3	0	23	0	0	0	0	0	0	0	0
G	0	11	0	0	26	0	0	0	0	0	0	0
T	0	5	0	0	0	29	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 19: detailed difference for accession id=4 vs ecotype id=8318, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 11	1	1602136	848	1601885	NA	C
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 31	1	5923041	265	5922974	NA	G
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	C	NA
AtMSQTsnp 58	1	12093546	279	12093079	G	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 87	1	23381760	312	23381443	T	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 118	2	322335	2465	322253	NA	A
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	A	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 186	3	298210	777	297801	A	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 205	3	7392098	91	7391896	T	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	G	NA
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA
AtMSQTsnp 321	5	625679	2386	625179	NA	A
AtMSQTsnp 325	5	1214057	2388	1213621	NA	T
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 359	5	7442381	1363	7442039	NA	T
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 372	5	15569205	926	15568698	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.4 strain Rmx-A02(accession id=5)

5.4.1 corresponding ecotype Rmx-A02(stkparent=CS22568, ecotype id=7524, duplicate=1)

Table 20: accession id=5 vs ecotype id=7524, duplicate=1(nativename=Rmx-A02, stockparent=CS22568)

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

Table 21: detailed difference for accession id=5 vs ecotype id=7524, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 53	1	10423708	948	10423483	NA	T
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 73	1	20175347	1477	20174753	C	NA
AtMSQTsnp 101	1	26278413	330	26278221	NA	A
AtMSQTsnp 118	2	322335	2465	322253	NA	G
AtMSQTsnp 138	2	8371133	373	8370574	C	NA
AtMSQTsnp 146	2	10703371	380	10702850	G	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	AC
AtMSQTsnp 267	4	8297960	499	8297594	NA	CT
AtMSQTsnp 288	4	11984772	1376	11984495	NA	G
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 379	5	17629384	2039	17629093	NA	A
AtMSQTsnp 392	5	20409250	994	20408706	NA	G
AtMSQTsnp 404	5	23270994	1391	23270845	NA	T
AtMSQTsnp 408	5	25301234	2690	25300706	NA	A
AtMSQTsnp 415	5	26708459	2711	26707937	NA	A

5.4.2 corresponding ecotype Rmx-A02(stkparent=CS22568, ecotype id=8370, duplicate=1)

Table 22: accession id=5 vs ecotype id=8370, duplicate=1(nativename=Rmx-A02, stockparent=CS22568)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	2	5	0	2	2	0	0	0	0	0	0
A	0	8	33	0	0	0	0	0	0	0	0	0
C	0	5	0	21	0	0	0	0	0	0	0	0
G	0	7	0	0	28	0	0	0	0	0	0	0
T	0	6	0	0	0	25	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 23: detailed difference for accession id=5 vs ecotype id=8370, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	C	NA
AtMSQTsnp 53	1	10423708	948	10423483	NA	T
AtMSQTsnp 58	1	12093546	279	12093079	G	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 87	1	23381760	312	23381443	T	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA

AtMSQTsnp 101	1	26278413	330	26278221	NA	A
AtMSQTsnp 118	2	322335	2465	322253	NA	G
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	A	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	A	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 235	3	19930624	833	19930188	G	NA
AtMSQTsnp 237	3	20483289	1645	20482976	T	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 288	4	11984772	1376	11984495	NA	G
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 379	5	17629384	2039	17629093	NA	A
AtMSQTsnp 404	5	23270994	1391	23270845	NA	T
AtMSQTsnp 406	5	23815848	978	23815354	A	NA
AtMSQTsnp 408	5	25301234	2690	25300706	NA	A
AtMSQTsnp 415	5	26708459	2711	26707937	NA	A

5.5 strain Rmx-A180(accession id=6)

5.5.1 corresponding ecotype Rmx-A180(stkparent=CS22569, ecotype id=8371, duplicate=1)

Table 24: accession id=6 vs ecotype id=8371, duplicate=1(nativename=Rmx-A180, stockparent=CS22569)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	2	1	1	2	0	0	0	0	0	0	0
A	0	6	28	0	0	0	0	0	0	0	0	0
C	0	5	0	26	0	0	0	0	0	0	0	0
G	0	6	0	0	32	0	0	0	0	0	0	0
T	0	6	0	0	0	27	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 25: detailed difference for accession id=6 vs ecotype id=8371, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 14	1	2775956	1649	2775589	NA	A
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	C	NA
AtMSQTsnp 58	1	12093546	279	12093079	G	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 87	1	23381760	312	23381443	T	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 140	2	8750047	1072	8749828	NA	C
AtMSQTsnp 164	2	14003409	2631	14003272	A	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 231	3	18590671	883	18590590	NA	G
AtMSQTsnp 235	3	19930624	833	19930188	G	NA
AtMSQTsnp 237	3	20483289	1645	20482976	T	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 373	5	15767945	1190	15767914	NA	G
AtMSQTsnp 392	5	20409250	994	20408706	G	NA

AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.5.2 corresponding ecotype Rmx-A180(stkparent=CS22569, ecotype id=7525, duplicate=1)

Table 26: accession id=6 vs ecotype id=7525, duplicate=1(nativename=Rmx-A180, stockparent=CS22569)

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

Table 27: detailed difference for accession id=6 vs ecotype id=7525, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 14	1	2775956	1649	2775589	NA	A
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 73	1	20175347	1477	20174753	C	NA
AtMSQTsnp 140	2	8750047	1072	8749828	NA	C
AtMSQTsnp 146	2	10703371	380	10702850	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	NA	T
AtMSQTsnp 170	2	15986354	2292	15986145	NA	A
AtMSQTsnp 231	3	18590671	883	18590590	NA	G
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 373	5	15767945	1190	15767914	NA	G

5.6 strain Pna-17(accession id=7)

5.6.1 corresponding ecotype Pna-17(stkparent=CS22570, ecotype id=8359, duplicate=1)

Table 28: accession id=7 vs ecotype id=8359, duplicate=1(nativename=Pna-17, stockparent=CS22570)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	2	1	1	2	0	0	0	0	0	0	0
A	0	8	36	0	0	0	0	0	0	0	0	0
C	0	7	0	17	0	0	0	0	0	0	0	0
G	0	7	0	0	33	0	0	0	0	0	0	0
T	0	6	0	0	0	21	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 29: detailed difference for accession id=7 vs ecotype id=8359, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 21	1	4142539	2625	4142402	T	NA
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 41	1	8015448	855	8014943	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	C	NA
AtMSQTsnp 58	1	12093546	279	12093079	G	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA

AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 87	1	23381760	312	23381443	C	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 118	2	322335	2465	322253	NA	G
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 184	2	18752840	1423	18752604	A	NA
AtMSQTsnp 186	3	298210	777	297801	A	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 237	3	20483289	1645	20482976	T	NA
AtMSQTsnp 267	4	8297960	499	8297594	C	NA
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 334	5	2244739	1995	2244524	NA	C
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 372	5	15569205	926	15568698	G	NA
AtMSQTsnp 373	5	15767945	1190	15767914	NA	A
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.6.2 corresponding ecotype Pna-17(stkparent=CS22570, ecotype id=7523, duplicate=1)

Table 30: accession id=7 vs ecotype id=7523, duplicate=1(nativename=Pna-17, stockparent=CS22570)

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

Table 31: detailed difference for accession id=7 vs ecotype id=7523, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 30	1	5629159	2156	5628596	NA	C
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 118	2	322335	2465	322253	NA	G
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 267	4	8297960	499	8297594	C	CT
AtMSQTsnp 274	4	9213312	2778	9213072	G	NA
AtMSQTsnp 334	5	2244739	1995	2244524	NA	C
AtMSQTsnp 373	5	15767945	1190	15767914	NA	A
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.7 strain Pna-10(accession id=8)

5.7.1 corresponding ecotype Pna-10(stkparent=CS22571, ecotype id=8358, duplicate=1)

Table 32: accession id=8 vs ecotype id=8358, duplicate=1(nativename=Pna-10, stockparent=CS22571)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	3	3	3	4	0	0	0	0	0	0
A	0	10	31	0	0	0	0	0	0	0	0	0
C	0	3	0	20	0	0	0	0	0	0	0	0

G	0	5	0	0	31	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 33: detailed difference for accession id=8 vs ecotype id=8358, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 8	1	993374	1042	992824	NA	A
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 31	1	5923041	265	5922974	NA	G
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 38	1	7449598	2136	7449482	NA	A
AtMSQTsnp 47	1	9343401	929	9343234	C	NA
AtMSQTsnp 58	1	12093546	279	12093079	G	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 69	1	18340160	1407	18340113	NA	T
AtMSQTsnp 87	1	23381760	312	23381443	T	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	A	NA
AtMSQTsnp 184	2	18752840	1423	18752604	NA	T
AtMSQTsnp 186	3	298210	777	297801	A	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 244	3	23053878	1662	23053771	NA	G
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA
AtMSQTsnp 292	4	12404111	2534	12403706	NA	C
AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 310	4	17608924	1999	17608717	NA	C
AtMSQTsnp 312	4	17803781	1985	17803605	NA	T
AtMSQTsnp 315	4	18560343	2289	18560103	NA	T
AtMSQTsnp 360	5	7842993	174	7842900	T	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 394	5	20518330	2759	20518241	NA	G
AtMSQTsnp 406	5	23815848	978	23815354	A	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	A

5.7.2 corresponding ecotype Pna-10(stkparent=CS22571, ecotype id=7526, duplicate=1)

Table 34: accession id=8 vs ecotype id=7526, duplicate=1(nativename=Pna-10, stockparent=CS22571)

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

Table 35: detailed difference for accession id=8 vs ecotype id=7526, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call

AtMSQTsnp 8	1	993374	1042	992824	NA	A
AtMSQTsnp 31	1	5923041	265	5922974	NA	G
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 38	1	7449598	2136	7449482	NA	A
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 69	1	18340160	1407	18340113	NA	T
AtMSQTsnp 73	1	20175347	1477	20174753	C	NA
AtMSQTsnp 146	2	10703371	380	10702850	G	NA
AtMSQTsnp 184	2	18752840	1423	18752604	NA	T
AtMSQTsnp 232	3	18980664	829	18980171	A	AC
AtMSQTsnp 244	3	23053878	1662	23053771	NA	G
AtMSQTsnp 267	4	8297960	499	8297594	C	CT
AtMSQTsnp 292	4	12404111	2534	12403706	NA	C
AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 310	4	17608924	1999	17608717	NA	C
AtMSQTsnp 312	4	17803781	1985	17803605	NA	T
AtMSQTsnp 315	4	18560343	2289	18560103	NA	T
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 394	5	20518330	2759	20518241	NA	G
AtMSQTsnp 415	5	26708459	2711	26707937	NA	A

5.8 strain Eden-1(accession id=9)

5.8.1 corresponding ecotype Eden-1(stkparent=CS22572, ecotype id=6009, duplicate=2)

Table 36: accession id=9 vs ecotype id=6009, duplicate=2(nativename=Eden-1, stockparent=CS22572)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	3	3	1	3	3	0	0	0	0	0	0
A	0	2	36	0	0	0	0	0	0	0	0	0
C	0	1	0	28	0	0	0	0	0	0	0	0
G	0	2	0	0	29	0	0	0	0	0	0	0
T	0	2	0	0	0	34	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 37: detailed difference for accession id=9 vs ecotype id=6009, duplicate=2

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 8	1	993374	1042	992824	NA	A
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 73	1	20175347	1477	20174753	T	NA
AtMSQTsnp 85	1	23155780	668	23155464	A	NA
AtMSQTsnp 90	1	23893336	69	23893276	NA	T
AtMSQTsnp 92	1	24292774	672	24292482	NA	G
AtMSQTsnp 142	2	9256095	223	9256049	NA	T
AtMSQTsnp 143	2	9428987	376	9428891	NA	A
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	NA	A
AtMSQTsnp 156	2	12658862	2572	12658576	NA	C
AtMSQTsnp 174	2	17121378	2453	17121159	NA	G
AtMSQTsnp 184	2	18752840	1423	18752604	NA	T
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 398	5	22116788	642	22116605	C	NA
AtMSQTsnp 409	5	26029439	2404	26029366	T	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.8.2 corresponding ecotype Eden-1(stkparent=CS22572, ecotype id=6009, duplicate=1)

Table 38: accession id=9 vs ecotype id=6009, duplicate=1(nativename=Eden-1, stockparent=CS22572)

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

NA	0	3	3	1	3	3	0	0	0	0	0	0
A	0	2	36	0	0	0	0	0	0	0	0	0
C	0	1	0	28	0	0	0	0	0	0	0	0
G	0	2	0	0	29	0	0	0	0	0	0	0
T	0	2	0	0	0	34	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 39: detailed difference for accession id=9 vs ecotype id=6009, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 8	1	993374	1042	992824	NA	A
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 85	1	23155780	668	23155464	A	NA
AtMSQTsnp 90	1	23893336	69	23893276	NA	T
AtMSQTsnp 92	1	24292774	672	24292482	NA	G
AtMSQTsnp 142	2	9256095	223	9256049	NA	T
AtMSQTsnp 143	2	9428987	376	9428891	NA	A
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	NA	A
AtMSQTsnp 156	2	12658862	2572	12658576	NA	C
AtMSQTsnp 174	2	17121378	2453	17121159	NA	G
AtMSQTsnp 184	2	18752840	1423	18752604	NA	T
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 237	3	20483289	1645	20482976	T	NA
AtMSQTsnp 398	5	22116788	642	22116605	C	NA
AtMSQTsnp 409	5	26029439	2404	26029366	T	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.8.3 corresponding ecotype Eden-1(stkparent=CS22572, ecotype id=6912, duplicate=1)

Table 40: accession id=9 vs ecotype id=6912, duplicate=1(nativename=Eden-1, stockparent=CS22572)

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

Table 41: detailed difference for accession id=9 vs ecotype id=6912, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 2	1	112907	847	112445	A	NA
AtMSQTsnp 8	1	993374	1042	992824	NA	A
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 90	1	23893336	69	23893276	NA	T
AtMSQTsnp 92	1	24292774	672	24292482	NA	G
AtMSQTsnp 138	2	8371133	373	8370574	C	NA
AtMSQTsnp 142	2	9256095	223	9256049	NA	T
AtMSQTsnp 143	2	9428987	376	9428891	NA	A
AtMSQTsnp 155	2	12657149	38	12656716	NA	A
AtMSQTsnp 156	2	12658862	2572	12658576	NA	C
AtMSQTsnp 173	2	16908190	728	16908054	G	NA
AtMSQTsnp 174	2	17121378	2453	17121159	NA	G
AtMSQTsnp 184	2	18752840	1423	18752604	NA	T
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 220	3	11398207	1053	11398071	NA	AG
AtMSQTsnp 254	4	2441217	233	2440917	A	NA

AtMSQTsnp 288	4	11984772	1376	11984495	A	NA
AtMSQTsnp 321	5	625679	2386	625179	C	NA
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 350	5	5005750	1459	5005363	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	NA	G
AtMSQTsnp 361	5	7881430	1986	7881187	A	NA
AtMSQTsnp 372	5	15569205	926	15568698	NA	G
AtMSQTsnp 398	5	22116788	642	22116605	C	NA
AtMSQTsnp 404	5	23270994	1391	23270845	C	NA
AtMSQTsnp 409	5	26029439	2404	26029366	T	NA
AtMSQTsnp 412	5	26379972	2302	26379717	T	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.8.4 corresponding ecotype Eden-1(stkparent=CS22572, ecotype id=6009, duplicate=4)

Table 42: accession id=9 vs ecotype id=6009, duplicate=4(nativename=Eden-1, stockparent=CS22572)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	13	0	0	0	0	0	0	0	0	0	0
A	0	38	0	0	0	0	0	0	0	0	0	0
C	0	29	0	0	0	0	0	0	0	0	0	0
G	0	31	0	0	0	0	0	0	0	0	0	0
T	0	36	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 43: detailed difference for accession id=9 vs ecotype id=6009, duplicate=4

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 2	1	112907	847	112445	A	NA
AtMSQTsnp 4	1	340810	1095	340398	A	NA
AtMSQTsnp 9	1	1042427	1109	1042028	G	NA
AtMSQTsnp 10	1	1149280	1467	1149096	A	NA
AtMSQTsnp 11	1	1602136	848	1601885	T	NA
AtMSQTsnp 12	1	2211033	964	2210982	G	NA
AtMSQTsnp 14	1	2775956	1649	2775589	T	NA
AtMSQTsnp 15	1	2844525	1139	2844111	C	NA
AtMSQTsnp 18	1	3872591	2224	3872234	G	NA
AtMSQTsnp 21	1	4142539	2625	4142402	T	NA
AtMSQTsnp 22	1	4396087	46	4395913	G	NA
AtMSQTsnp 27	1	5206767	1014	5206479	G	NA
AtMSQTsnp 29	1	5482008	263	5481722	T	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 31	1	5923041	265	5922974	T	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 38	1	7449598	2136	7449482	C	NA
AtMSQTsnp 40	1	7842523	928	7842440	G	NA
AtMSQTsnp 41	1	8015448	855	8014943	C	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 48	1	9497118	930	9496666	C	NA
AtMSQTsnp 49	1	9781347	1018	9781260	T	NA
AtMSQTsnp 54	1	10720273	860	10719833	G	NA
AtMSQTsnp 57	1	11655519	273	11655171	C	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 62	1	13541648	808	13541490	A	NA
AtMSQTsnp 63	1	13712241	345	13711856	C	NA
AtMSQTsnp 65	1	16874727	290	16874305	G	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 69	1	18340160	1407	18340113	G	NA
AtMSQTsnp 73	1	20175347	1477	20174753	T	NA
AtMSQTsnp 76	1	21908667	2670	21908157	T	NA
AtMSQTsnp 85	1	23155780	668	23155464	A	NA
AtMSQTsnp 87	1	23381760	312	23381443	C	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 97	1	24893649	1428	24893448	C	NA
AtMSQTsnp 100	1	25717887	1758	25717715	G	NA

AtMSQTsnp 101	1	26278413	330	26278221	G	NA
AtMSQTsnp 104	1	26794838	665	26794732	T	NA
AtMSQTsnp 108	1	28666837	343	28666569	G	NA
AtMSQTsnp 114	1	30214313	1800	30213917	G	NA
AtMSQTsnp 118	2	322335	2465	322253	A	NA
AtMSQTsnp 123	2	1798445	2109	1798324	A	NA
AtMSQTsnp 126	2	2477756	2192	2477306	G	NA
AtMSQTsnp 128	2	5021020	1514	5020871	T	NA
AtMSQTsnp 129	2	5804076	407	5803805	A	NA
AtMSQTsnp 130	2	6499679	2098	6499196	T	NA
AtMSQTsnp 132	2	7072955	367	7072571	C	NA
AtMSQTsnp 138	2	8371133	373	8370574	C	NA
AtMSQTsnp 140	2	8750047	1072	8749828	A	NA
AtMSQTsnp 145	2	10566917	381	10566416	T	NA
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 159	2	13265124	2127	13265029	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 169	2	15801542	396	15801112	T	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 173	2	16908190	728	16908054	G	NA
AtMSQTsnp 177	2	17859964	118	17859576	A	NA
AtMSQTsnp 186	3	298210	777	297801	A	NA
AtMSQTsnp 187	3	580470	55	580026	A	NA
AtMSQTsnp 188	3	2072780	649	2072648	C	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 191	3	2236458	2592	2236406	A	NA
AtMSQTsnp 194	3	3679541	1632	3679103	T	NA
AtMSQTsnp 197	3	4818602	435	4818362	G	NA
AtMSQTsnp 198	3	5235571	1612	5235221	T	NA
AtMSQTsnp 203	3	6890665	73	6890596	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 222	3	15880426	823	15879997	T	NA
AtMSQTsnp 223	3	16489589	2208	16489217	A	NA
AtMSQTsnp 231	3	18590671	883	18590590	G	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 237	3	20483289	1645	20482976	T	NA
AtMSQTsnp 242	3	21632608	138	21632379	C	NA
AtMSQTsnp 244	3	23053878	1662	23053771	A	NA
AtMSQTsnp 249	4	1055234	482	1055093	G	NA
AtMSQTsnp 254	4	2441217	233	2440917	A	NA
AtMSQTsnp 260	4	5775707	933	5775541	A	NA
AtMSQTsnp 263	4	7077926	495	7077771	T	NA
AtMSQTsnp 266	4	8078648	238	8078388	T	NA
AtMSQTsnp 267	4	8297960	499	8297594	T	NA
AtMSQTsnp 274	4	9213312	2778	9213072	T	NA
AtMSQTsnp 278	4	9377790	2783	9377549	G	NA
AtMSQTsnp 279	4	9580049	2788	9579976	C	NA
AtMSQTsnp 281	4	10482088	956	10482038	C	NA
AtMSQTsnp 282	4	10659455	505	10659034	A	NA
AtMSQTsnp 285	4	11326190	507	11325921	C	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 288	4	11984772	1376	11984495	A	NA
AtMSQTsnp 292	4	12404111	2534	12403706	T	NA
AtMSQTsnp 294	4	13576588	960	13576336	T	NA
AtMSQTsnp 300	4	15765120	1685	15764920	G	NA
AtMSQTsnp 304	4	16272521	2262	16272270	T	NA
AtMSQTsnp 306	4	16742071	2714	16741855	G	NA
AtMSQTsnp 307	4	17038400	2205	17038096	T	NA
AtMSQTsnp 310	4	17608924	1999	17608717	A	NA
AtMSQTsnp 312	4	17803781	1985	17803605	T	NA
AtMSQTsnp 315	4	18560343	2289	18560103	T	NA
AtMSQTsnp 321	5	625679	2386	625179	C	NA
AtMSQTsnp 323	5	872350	532	872097	A	NA
AtMSQTsnp 325	5	1214057	2388	1213621	C	NA
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 334	5	2244739	1995	2244524	T	NA
AtMSQTsnp 343	5	3606967	538	3606683	T	NA
AtMSQTsnp 350	5	5005750	1459	5005363	G	NA
AtMSQTsnp 351	5	5319138	126	5318924	G	NA
AtMSQTsnp 355	5	6708014	547	6707732	T	NA
AtMSQTsnp 358	5	7279057	550	7278798	A	NA
AtMSQTsnp 359	5	7442381	1363	7442039	T	NA
AtMSQTsnp 361	5	7881430	1986	7881187	A	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 370	5	15065196	756	15065018	A	NA
AtMSQTsnp 373	5	15767945	1190	15767914	A	NA
AtMSQTsnp 378	5	17171676	1489	17171242	C	NA
AtMSQTsnp 379	5	17629384	2039	17629093	A	NA

AtMSQTsnp 388	5	19316200	761	19315950	C	NA
AtMSQTsnp 390	5	20215473	970	20214933	C	NA
AtMSQTsnp 392	5	20409250	994	20408706	A	NA
AtMSQTsnp 394	5	20518330	2759	20518241	A	NA
AtMSQTsnp 395	5	20915321	981	20915132	G	NA
AtMSQTsnp 397	5	22040877	992	22040690	G	NA
AtMSQTsnp 398	5	22116788	642	22116605	C	NA
AtMSQTsnp 399	5	22414941	146	22414510	A	NA
AtMSQTsnp 404	5	23270994	1391	23270845	C	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA
AtMSQTsnp 408	5	25301234	2690	25300706	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	T	NA
AtMSQTsnp 410	5	26120955	596	26120843	A	NA
AtMSQTsnp 412	5	26379972	2302	26379717	T	NA

5.8.5 corresponding ecotype Eden-1(stkparent=CS22572, ecotype id=6009, duplicate=3)

Table 44: accession id=9 vs ecotype id=6009, duplicate=3(nativename=Eden-1, stockparent=CS22572)

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

Table 45: detailed difference for accession id=9 vs ecotype id=6009, duplicate=3

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 8	1	993374	1042	992824	NA	A
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 73	1	20175347	1477	20174753	T	NA
AtMSQTsnp 90	1	23893336	69	23893276	NA	T
AtMSQTsnp 92	1	24292774	672	24292482	NA	G
AtMSQTsnp 138	2	8371133	373	8370574	C	NA
AtMSQTsnp 142	2	9256095	223	9256049	NA	T
AtMSQTsnp 143	2	9428987	376	9428891	NA	A
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	NA	A
AtMSQTsnp 156	2	12658862	2572	12658576	NA	C
AtMSQTsnp 174	2	17121378	2453	17121159	NA	G
AtMSQTsnp 184	2	18752840	1423	18752604	NA	T
AtMSQTsnp 220	3	11398207	1053	11398071	NA	G
AtMSQTsnp 360	5	7842993	174	7842900	NA	G
AtMSQTsnp 372	5	15569205	926	15568698	NA	G
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.9 strain Eden-2(accession id=10)

5.9.1 corresponding ecotype Eden-2(stkparent=CS22573, ecotype id=6913, duplicate=1)

Table 46: accession id=10 vs ecotype id=6913, duplicate=1(nativename=Eden-2, stockparent=CS22573)

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

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

Table 47: detailed difference for accession id=10 vs ecotype id=6913, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 8	1	993374	1042	992824	NA	G
AtMSQTsnp 53	1	10423708	948	10423483	NA	T
AtMSQTsnp 69	1	18340160	1407	18340113	NA	G
AtMSQTsnp 76	1	21908667	2670	21908157	NA	T
AtMSQTsnp 126	2	2477756	2192	2477306	NA	G
AtMSQTsnp 156	2	12658862	2572	12658576	NA	C
AtMSQTsnp 164	2	14003409	2631	14003272	NA	C
AtMSQTsnp 184	2	18752840	1423	18752604	NA	T
AtMSQTsnp 187	3	580470	55	580026	NA	A
AtMSQTsnp 203	3	6890665	73	6890596	NA	T
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 254	4	2441217	233	2440917	-	NA
AtMSQTsnp 260	4	5775707	933	5775541	NA	C
AtMSQTsnp 310	4	17608924	1999	17608717	NA	A
AtMSQTsnp 392	5	20409250	994	20408706	NA	G
AtMSQTsnp 398	5	22116788	642	22116605	C	NA
AtMSQTsnp 409	5	26029439	2404	26029366	T	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.9.2 corresponding ecotype Eden-2(stkparent=CS22573, ecotype id=8287, duplicate=1)

Table 48: accession id=10 vs ecotype id=8287, duplicate=1(nativename=Eden-2, stockparent=CS22573)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	1	0	0	0	0	0	0	0	0	0	0
NA	0	4	2	1	4	3	0	0	0	0	0	0
A	0	10	25	0	0	0	0	0	0	0	0	0
C	0	8	0	19	0	0	0	0	0	0	0	0
G	0	8	0	0	24	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 49: detailed difference for accession id=10 vs ecotype id=8287, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 8	1	993374	1042	992824	NA	G
AtMSQTsnp 21	1	4142539	2625	4142402	C	NA
AtMSQTsnp 27	1	5206767	1014	5206479	G	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 41	1	8015448	855	8014943	C	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 53	1	10423708	948	10423483	NA	T
AtMSQTsnp 58	1	12093546	279	12093079	G	NA
AtMSQTsnp 60	1	12357583	1973	12357044	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 69	1	18340160	1407	18340113	NA	G
AtMSQTsnp 76	1	21908667	2670	21908157	NA	T
AtMSQTsnp 87	1	23381760	312	23381443	C	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 126	2	2477756	2192	2477306	NA	G
AtMSQTsnp 129	2	5804076	407	5803805	A	NA
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	A	NA

AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 186	3	298210	777	297801	A	NA
AtMSQTsnp 187	3	580470	55	580026	NA	A
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 203	3	6890665	73	6890596	NA	T
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 237	3	20483289	1645	20482976	T	NA
AtMSQTsnp 254	4	2441217	233	2440917	-	NA
AtMSQTsnp 260	4	5775707	933	5775541	NA	C
AtMSQTsnp 267	4	8297960	499	8297594	T	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 310	4	17608924	1999	17608717	NA	A
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 372	5	15569205	926	15568698	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.10 strain Lv-1(accession id=11)

5.10.1 corresponding ecotype Lv-1(stkparent=CS22574, ecotype id=6043, duplicate=2)

Table 50: accession id=11 vs ecotype id=6043, duplicate=2(nativename=Lv-1, stockparent=CS22574)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	5	1	0	4	0	0	0	0	0	0	0
A	0	20	16	0	0	0	0	0	0	0	0	0
C	0	12	0	14	0	0	0	0	0	0	0	0
G	0	19	0	0	21	0	0	0	0	0	0	0
T	0	9	0	0	0	24	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 51: detailed difference for accession id=11 vs ecotype id=6043, duplicate=2

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 4	1	340810	1095	340398	A	NA
AtMSQTsnp 9	1	1042427	1109	1042028	G	NA
AtMSQTsnp 11	1	1602136	848	1601885	T	NA
AtMSQTsnp 12	1	2211033	964	2210982	A	NA
AtMSQTsnp 22	1	4396087	46	4395913	G	NA
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 29	1	5482008	263	5481722	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 41	1	8015448	855	8014943	C	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 48	1	9497118	930	9496666	C	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	T	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 87	1	23381760	312	23381443	C	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 97	1	24893649	1428	24893448	G	NA
AtMSQTsnp 104	1	26794838	665	26794732	T	NA
AtMSQTsnp 108	1	28666837	343	28666569	G	NA
AtMSQTsnp 143	2	9428987	376	9428891	A	NA
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	C	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 173	2	16908190	728	16908054	G	NA
AtMSQTsnp 174	2	17121378	2453	17121159	NA	G
AtMSQTsnp 186	3	298210	777	297801	A	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA

AtMSQTsnp 194	3	3679541	1632	3679103	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 222	3	15880426	823	15879997	T	NA
AtMSQTsnp 223	3	16489589	2208	16489217	A	NA
AtMSQTsnp 231	3	18590671	883	18590590	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 249	4	1055234	482	1055093	G	NA
AtMSQTsnp 260	4	5775707	933	5775541	A	NA
AtMSQTsnp 267	4	8297960	499	8297594	T	NA
AtMSQTsnp 274	4	9213312	2778	9213072	T	NA
AtMSQTsnp 278	4	9377790	2783	9377549	G	NA
AtMSQTsnp 282	4	10659455	505	10659034	T	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 288	4	11984772	1376	11984495	NA	G
AtMSQTsnp 294	4	13576588	960	13576336	G	NA
AtMSQTsnp 312	4	17803781	1985	17803605	T	NA
AtMSQTsnp 323	5	872350	532	872097	A	NA
AtMSQTsnp 325	5	1214057	2388	1213621	C	NA
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 351	5	5319138	126	5318924	G	NA
AtMSQTsnp 358	5	7279057	550	7278798	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 370	5	15065196	756	15065018	A	NA
AtMSQTsnp 373	5	15767945	1190	15767914	NA	G
AtMSQTsnp 390	5	20215473	970	20214933	C	NA
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 395	5	20915321	981	20915132	G	NA
AtMSQTsnp 397	5	22040877	992	22040690	NA	G
AtMSQTsnp 398	5	22116788	642	22116605	C	NA
AtMSQTsnp 399	5	22414941	146	22414510	A	NA
AtMSQTsnp 406	5	23815848	978	23815354	G	NA
AtMSQTsnp 408	5	25301234	2690	25300706	NA	A

5.10.2 corresponding ecotype Lv-1(stkparent=CS22574, ecotype id=6043, duplicate=1)

Table 52: accession id=11 vs ecotype id=6043, duplicate=1(nativename=Lv-1, stockparent=CS22574)

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

Table 53: detailed difference for accession id=11 vs ecotype id=6043, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 129	2	5804076	407	5803805	NA	A
AtMSQTsnp 174	2	17121378	2453	17121159	NA	G
AtMSQTsnp 184	2	18752840	1423	18752604	NA	T
AtMSQTsnp 237	3	20483289	1645	20482976	NA	C
AtMSQTsnp 281	4	10482088	956	10482038	NA	T
AtMSQTsnp 288	4	11984772	1376	11984495	NA	G
AtMSQTsnp 292	4	12404111	2534	12403706	NA	T
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 370	5	15065196	756	15065018	A	G
AtMSQTsnp 373	5	15767945	1190	15767914	NA	G
AtMSQTsnp 397	5	22040877	992	22040690	NA	G
AtMSQTsnp 408	5	25301234	2690	25300706	NA	A

5.10.3 corresponding ecotype Lv-1(stkparent=CS22574, ecotype id=6934, duplicate=1)

Table 54: accession id=11 vs ecotype id=6934, duplicate=1(nativename=Lv-1, stockparent=CS22574)

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

Table 55: detailed difference for accession id=11 vs ecotype id=6934, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 12	1	2211033	964	2210982	A	NA
AtMSQTsnp 29	1	5482008	263	5481722	A	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 61	1	13395892	1673	13395451	T	NA
AtMSQTsnp 73	1	20175347	1477	20174753	C	NA
AtMSQTsnp 129	2	5804076	407	5803805	NA	A
AtMSQTsnp 138	2	8371133	373	8370574	C	NA
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 173	2	16908190	728	16908054	G	NA
AtMSQTsnp 174	2	17121378	2453	17121159	NA	G
AtMSQTsnp 184	2	18752840	1423	18752604	NA	T
AtMSQTsnp 222	3	15880426	823	15879997	T	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 237	3	20483289	1645	20482976	NA	C
AtMSQTsnp 274	4	9213312	2778	9213072	T	NA
AtMSQTsnp 288	4	11984772	1376	11984495	NA	G
AtMSQTsnp 292	4	12404111	2534	12403706	NA	T
AtMSQTsnp 327	5	1497133	2105	1496987	G	NA
AtMSQTsnp 370	5	15065196	756	15065018	A	NA
AtMSQTsnp 373	5	15767945	1190	15767914	NA	G
AtMSQTsnp 390	5	20215473	970	20214933	C	NA
AtMSQTsnp 397	5	22040877	992	22040690	NA	G
AtMSQTsnp 399	5	22414941	146	22414510	A	NA
AtMSQTsnp 408	5	25301234	2690	25300706	NA	A

5.11 strain Lv-5(accession id=12)

5.11.1 corresponding ecotype Lv-5(stkparent=CS22575, ecotype id=6935, duplicate=1)

Table 56: accession id=12 vs ecotype id=6935, duplicate=1(nativename=Lv-5, stockparent=CS22575)

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

Table 57: detailed difference for accession id=12 vs ecotype id=6935, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 8	1	993374	1042	992824	NA	A
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 61	1	13395892	1673	13395451	T	NA
AtMSQTsnp 73	1	20175347	1477	20174753	C	NA
AtMSQTsnp 129	2	5804076	407	5803805	NA	A
AtMSQTsnp 138	2	8371133	373	8370574	C	NA
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 184	2	18752840	1423	18752604	NA	T
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 327	5	1497133	2105	1496987	G	NA
AtMSQTsnp 370	5	15065196	756	15065018	A	G
AtMSQTsnp 392	5	20409250	994	20408706	NA	G
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.11.2 corresponding ecotype Lv-5(stkparent=CS22575, ecotype id=6046, duplicate=2)

Table 58: accession id=12 vs ecotype id=6046, duplicate=2(nativename=Lv-5, stockparent=CS22575)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	3	1	2	1	0	0	0	0	0	0	0
A	0	11	26	0	0	0	0	0	0	0	0	0
C	0	7	0	18	0	0	0	0	0	0	0	0
G	0	7	0	0	35	0	0	0	0	0	0	0
T	0	2	0	0	0	35	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 59: detailed difference for accession id=12 vs ecotype id=6046, duplicate=2

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 8	1	993374	1042	992824	NA	A
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	T	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	C	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 186	3	298210	777	297801	A	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 231	3	18590671	883	18590590	A	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 237	3	20483289	1645	20482976	C	NA
AtMSQTsnp 267	4	8297960	499	8297594	T	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 327	5	1497133	2105	1496987	G	NA
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 370	5	15065196	756	15065018	A	NA
AtMSQTsnp 406	5	23815848	978	23815354	G	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.11.3 corresponding ecotype Lv-5(stkparent=CS22575, ecotype id=6046, duplicate=1)

Table 60: accession id=12 vs ecotype id=6046, duplicate=1(nativename=Lv-5, stockparent=CS22575)

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

Table 61: detailed difference for accession id=12 vs ecotype id=6046, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 8	1	993374	1042	992824	NA	A
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 129	2	5804076	407	5803805	NA	A
AtMSQTsnp 138	2	8371133	373	8370574	C	NA
AtMSQTsnp 184	2	18752840	1423	18752604	NA	T
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 370	5	15065196	756	15065018	A	G
AtMSQTsnp 392	5	20409250	994	20408706	NA	G
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.12 strain Fb-2(accession id=13)

5.12.1 corresponding ecotype Fb-2(stkparent=CS22576, ecotype id=6917, duplicate=1)

Table 62: accession id=13 vs ecotype id=6917, duplicate=1(nativename=Fb-2, stockparent=CS22576)

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

Table 63: detailed difference for accession id=13 vs ecotype id=6917, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 8	1	993374	1042	992824	NA	A
AtMSQTsnp 129	2	5804076	407	5803805	NA	A
AtMSQTsnp 138	2	8371133	373	8370574	C	CT
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 174	2	17121378	2453	17121159	NA	G
AtMSQTsnp 187	3	580470	55	580026	NA	A
AtMSQTsnp 197	3	4818602	435	4818362	NA	A
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 223	3	16489589	2208	16489217	A	NA
AtMSQTsnp 237	3	20483289	1645	20482976	NA	C

AtMSQTsnp 294	4	13576588	960	13576336	T	NA
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 392	5	20409250	994	20408706	NA	A
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	T	NA

5.12.2 corresponding ecotype Fb-2(stkparent=CS22576, ecotype id=8292, duplicate=1)

Table 64: accession id=13 vs ecotype id=8292, duplicate=1(nativename=Fb-2, stockparent=CS22576)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	2	3	2	1	0	0	0	0	0	0	0
A	0	7	31	0	0	0	0	0	0	0	0	0
C	0	6	0	26	0	0	0	0	0	0	0	0
G	0	8	0	0	26	0	0	0	0	0	0	0
T	0	7	0	0	0	30	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 65: detailed difference for accession id=13 vs ecotype id=8292, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 8	1	993374	1042	992824	NA	A
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 41	1	8015448	855	8014943	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 87	1	23381760	312	23381443	T	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 92	1	24292774	672	24292482	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	A	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 174	2	17121378	2453	17121159	NA	G
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 187	3	580470	55	580026	NA	A
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 197	3	4818602	435	4818362	NA	A
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 237	3	20483289	1645	20482976	NA	C
AtMSQTsnp 267	4	8297960	499	8297594	T	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 372	5	15569205	926	15568698	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.13 strain Fb-4(accession id=14)

5.13.1 corresponding ecotype Fb-4(stkparent=CS22577, ecotype id=8293, duplicate=1)

Table 66: accession id=14 vs ecotype id=8293, duplicate=1(nativename=Fb-4, stockparent=CS22577)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	1	2	1	0	0	0	0	0	0	0
A	0	9	35	0	0	0	0	0	0	0	0	0
C	0	4	0	25	0	0	0	0	0	0	0	0
G	0	7	0	0	29	0	0	0	0	0	0	0
T	0	5	1	0	0	27	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	1	0	0	0
CG	0	0	0	1	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 67: detailed difference for accession id=14 vs ecotype id=8293, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 8	1	993374	1042	992824	NA	A
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 41	1	8015448	855	8014943	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	G	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 97	1	24893649	1428	24893448	CG	C
AtMSQTsnp 138	2	8371133	373	8370574	NA	C
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	A	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	A	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	T	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 267	4	8297960	499	8297594	T	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 288	4	11984772	1376	11984495	NA	G
AtMSQTsnp 304	4	16272521	2262	16272270	NA	C
AtMSQTsnp 307	4	17038400	2205	17038096	T	A
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.13.2 corresponding ecotype Fb-4(stkparent=CS22577, ecotype id=6918, duplicate=1)

Table 68: accession id=14 vs ecotype id=6918, duplicate=1(nativename=Fb-4, stockparent=CS22577)

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

Table 69: detailed difference for accession id=14 vs ecotype id=6918, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 8	1	993374	1042	992824	NA	A
AtMSQTsnp 97	1	24893649	1428	24893448	CG	NA
AtMSQTsnp 129	2	5804076	407	5803805	NA	A
AtMSQTsnp 138	2	8371133	373	8370574	NA	C
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 282	4	10659455	505	10659034	AT	A
AtMSQTsnp 288	4	11984772	1376	11984495	NA	G
AtMSQTsnp 294	4	13576588	960	13576336	T	NA
AtMSQTsnp 304	4	16272521	2262	16272270	NA	T
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	T	NA

5.14 strain Bil-5(accession id=15)

5.14.1 corresponding ecotype Bil-5(stkparent=CS22578, ecotype id=8262, duplicate=1)

Table 70: accession id=15 vs ecotype id=8262, duplicate=1(nativename=Bil-5, stockparent=CS22578)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	3	1	2	0	0	0	0	0	0	0
A	0	7	32	0	0	0	0	0	0	0	0	0
C	0	5	0	20	0	0	0	0	0	0	0	0
G	0	12	0	0	30	0	0	0	0	0	0	0
T	0	4	0	0	0	32	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 71: detailed difference for accession id=15 vs ecotype id=8262, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 8	1	993374	1042	992824	NA	A
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	G	NA
AtMSQTsnp 60	1	12357583	1973	12357044	T	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	C	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 203	3	6890665	73	6890596	NA	A
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 231	3	18590671	883	18590590	NA	G
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 242	3	21632608	138	21632379	NA	C
AtMSQTsnp 267	4	8297960	499	8297594	T	NA
AtMSQTsnp 278	4	9377790	2783	9377549	A	NA
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA
AtMSQTsnp 323	5	872350	532	872097	NA	A
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 370	5	15065196	756	15065018	A	NA
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	G	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.14.2 corresponding ecotype Bil-5(stkparent=CS22578, ecotype id=6900, duplicate=1)

Table 72: accession id=15 vs ecotype id=6900, duplicate=1(nativename=Bil-5, stockparent=CS22578)

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

Table 73: detailed difference for accession id=15 vs ecotype id=6900, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 8	1	993374	1042	992824	NA	A
AtMSQTsnp 203	3	6890665	73	6890596	NA	A
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 231	3	18590671	883	18590590	NA	G
AtMSQTsnp 242	3	21632608	138	21632379	NA	C
AtMSQTsnp 278	4	9377790	2783	9377549	A	NA
AtMSQTsnp 323	5	872350	532	872097	NA	A
AtMSQTsnp 370	5	15065196	756	15065018	A	G
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	T	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.15 strain Bil-7(accession id=16)

5.15.1 corresponding ecotype Bil-7(stkparent=CS22579, ecotype id=6901, duplicate=1)

Table 74: accession id=16 vs ecotype id=6901, duplicate=1(nativename=Bil-7, stockparent=CS22579)

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

Table 75: detailed difference for accession id=16 vs ecotype id=6901, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 61	1	13395892	1673	13395451	T	NA
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 242	3	21632608	138	21632379	NA	C
AtMSQTsnp 310	4	17608924	1999	17608717	NA	A
AtMSQTsnp 312	4	17803781	1985	17803605	NA	T
AtMSQTsnp 370	5	15065196	756	15065018	A	G
AtMSQTsnp 373	5	15767945	1190	15767914	NA	G
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	T	NA

5.15.2 corresponding ecotype Bil-7(stkparent=CS22579, ecotype id=8263, duplicate=1)

Table 76: accession id=16 vs ecotype id=8263, duplicate=1(nativename=Bil-7, stockparent=CS22579)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	1	1	1	1	0	0	0	0	0	0
A	0	5	35	0	1	0	0	0	0	0	0	0
C	0	5	0	20	0	0	0	0	0	0	0	0
G	0	11	0	0	31	0	0	0	0	0	0	0
T	0	4	0	0	0	32	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 77: detailed difference for accession id=16 vs ecotype id=8263, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	G	NA
AtMSQTsnp 60	1	12357583	1973	12357044	T	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	C	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 242	3	21632608	138	21632379	NA	C
AtMSQTsnp 267	4	8297960	499	8297594	T	NA
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA
AtMSQTsnp 310	4	17608924	1999	17608717	NA	A
AtMSQTsnp 312	4	17803781	1985	17803605	NA	T
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 370	5	15065196	756	15065018	A	G
AtMSQTsnp 373	5	15767945	1190	15767914	NA	G
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	G	NA

5.16 strain Vr2-1(accession id=17)

5.16.1 corresponding ecotype Vr2-1(stkparent=CS22580, ecotype id=8401, duplicate=1)

Table 78: accession id=17 vs ecotype id=8401, duplicate=1(nativename=Vr2-1, stockparent=CS22580)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	4	2	0	0	0	0	0	0	0	0	0
A	0	8	28	0	0	0	0	0	0	0	0	0
C	0	10	0	27	0	0	0	0	0	0	0	0
G	0	11	0	0	32	0	0	0	0	0	0	0
T	0	4	0	0	0	22	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 79: detailed difference for accession id=17 vs ecotype id=8401, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 8	1	993374	1042	992824	NA	A
AtMSQTsnp 18	1	3872591	2224	3872234	G	NA
AtMSQTsnp 21	1	4142539	2625	4142402	T	NA
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 41	1	8015448	855	8014943	C	NA
AtMSQTsnp 47	1	9343401	929	9343234	C	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 65	1	16874727	290	16874305	G	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 73	1	20175347	1477	20174753	T	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 145	2	10566917	381	10566416	C	NA
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 186	3	298210	777	297801	A	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 220	3	11398207	1053	11398071	NA	A
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 237	3	20483289	1645	20482976	T	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 372	5	15569205	926	15568698	G	NA
AtMSQTsnp 379	5	17629384	2039	17629093	G	NA
AtMSQTsnp 392	5	20409250	994	20408706	A	NA
AtMSQTsnp 406	5	23815848	978	23815354	G	NA

5.16.2 corresponding ecotype Vr2-1(stkparent=CS22580, ecotype id=7516, duplicate=1)

Table 80: accession id=17 vs ecotype id=7516, duplicate=1(nativename=Vr2-1, stockparent=CS22580)

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

Table 81: detailed difference for accession id=17 vs ecotype id=7516, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 8	1	993374	1042	992824	NA	A
AtMSQTsnp 30	1	5629159	2156	5628596	NA	T
AtMSQTsnp 97	1	24893649	1428	24893448	G	NA
AtMSQTsnp 138	2	8371133	373	8370574	C	CT
AtMSQTsnp 184	2	18752840	1423	18752604	NA	T
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 220	3	11398207	1053	11398071	NA	A
AtMSQTsnp 267	4	8297960	499	8297594	NA	T
AtMSQTsnp 306	4	16742071	2714	16741855	C	NA
AtMSQTsnp 327	5	1497133	2105	1496987	NA	G

AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	T	NA

5.17 strain Vr2-6(accession id=18)

5.17.1 corresponding ecotype Vr2-6(stkparent=CS22581, ecotype id=8402, duplicate=1)

Table 82: accession id=18 vs ecotype id=8402, duplicate=1(nativename=Vr2-6, stockparent=CS22581)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	1	2	1	0	0	0	0	0	0	0
A	0	6	28	0	0	0	0	0	0	0	0	0
C	0	7	0	26	0	0	0	0	0	0	0	0
G	0	12	0	0	36	0	0	0	0	0	0	0
T	0	4	0	0	0	24	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 83: detailed difference for accession id=18 vs ecotype id=8402, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 47	1	9343401	929	9343234	C	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 87	1	23381760	312	23381443	T	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	C	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	A	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 235	3	19930624	833	19930188	G	NA
AtMSQTsnp 237	3	20483289	1645	20482976	T	NA
AtMSQTsnp 244	3	23053878	1662	23053771	NA	A
AtMSQTsnp 260	4	5775707	933	5775541	NA	C
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 304	4	16272521	2262	16272270	T	NA
AtMSQTsnp 310	4	17608924	1999	17608717	NA	C
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 372	5	15569205	926	15568698	G	NA
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	G	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.17.2 corresponding ecotype Vr2-6(stkparent=CS22581, ecotype id=7517, duplicate=1)

Table 84: accession id=18 vs ecotype id=7517, duplicate=1(nativename=Vr2-6, stockparent=CS22581)

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

C	0	0	0	33	0	0	0	0	0	0	0	0
G	0	3	0	0	45	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 85: detailed difference for accession id=18 vs ecotype id=7517, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 30	1	5629159	2156	5628596	NA	T
AtMSQTsnp 97	1	24893649	1428	24893448	G	NA
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 244	3	23053878	1662	23053771	NA	A
AtMSQTsnp 260	4	5775707	933	5775541	NA	C
AtMSQTsnp 310	4	17608924	1999	17608717	NA	C
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	T	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.18 strain Spr1-2(accession id=19)

5.18.1 corresponding ecotype Spr1-2(stkparent=CS22582, ecotype id=8382, duplicate=1)

Table 86: accession id=19 vs ecotype id=8382, duplicate=1(nativename=Spr1-2, stockparent=CS22582)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	1	0	0	0	0	0	0	0	0	0	0
NA	0	2	1	0	2	0	0	0	0	0	0	0
A	0	8	27	0	0	0	0	0	0	0	0	0
C	0	5	0	28	0	0	0	0	0	0	0	0
G	0	8	0	0	33	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 87: detailed difference for accession id=19 vs ecotype id=8382, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 47	1	9343401	929	9343234	C	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 126	2	2477756	2192	2477306	NA	A
AtMSQTsnp 129	2	5804076	407	5803805	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 220	3	11398207	1053	11398071	NA	G
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 254	4	2441217	233	2440917	-	NA
AtMSQTsnp 267	4	8297960	499	8297594	T	NA
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA

AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 372	5	15569205	926	15568698	A	NA
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	G	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.18.2 corresponding ecotype Spr1-2(stkparent=CS22582, ecotype id=6964, duplicate=1)

Table 88: accession id=19 vs ecotype id=6964, duplicate=1(nativename=Spr1-2, stockparent=CS22582)

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

Table 89: detailed difference for accession id=19 vs ecotype id=6964, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 30	1	5629159	2156	5628596	NA	C
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 126	2	2477756	2192	2477306	NA	A
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 220	3	11398207	1053	11398071	NA	G
AtMSQTsnp 254	4	2441217	233	2440917	-	NA
AtMSQTsnp 398	5	22116788	642	22116605	C	NA
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.19 strain Spr1-6(accession id=20)

5.19.1 corresponding ecotype Spr1-6(stkparent=CS22583, ecotype id=8383, duplicate=1)

Table 90: accession id=20 vs ecotype id=8383, duplicate=1(nativename=Spr1-6, stockparent=CS22583)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	1	0	0	0	0	0	0	0	0	0	0
NA	0	0	3	2	0	1	0	0	0	0	0	0
A	0	5	29	0	0	0	0	0	0	0	0	0
C	0	8	0	26	0	0	0	0	0	0	0	0
G	0	11	0	0	33	0	0	0	0	0	0	0
T	0	7	0	0	0	22	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 91: detailed difference for accession id=20 vs ecotype id=8383, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 8	1	993374	1042	992824	NA	A
AtMSQTsnp 18	1	3872591	2224	3872234	G	NA
AtMSQTsnp 27	1	5206767	1014	5206479	G	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA

AtMSQTsnp 41	1	8015448	855	8014943	C	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	T	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 85	1	23155780	668	23155464	NA	A
AtMSQTsnp 87	1	23381760	312	23381443	T	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 118	2	322335	2465	322253	NA	A
AtMSQTsnp 129	2	5804076	407	5803805	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	-	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 231	3	18590671	883	18590590	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	G	NA
AtMSQTsnp 237	3	20483289	1645	20482976	T	NA
AtMSQTsnp 281	4	10482088	956	10482038	NA	C
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 325	5	1214057	2388	1213621	NA	T
AtMSQTsnp 327	5	1497133	2105	1496987	G	NA
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 372	5	15569205	926	15568698	G	NA
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.19.2 corresponding ecotype Spr1-6(stkparent=CS22583, ecotype id=6965, duplicate=1)

Table 92: accession id=20 vs ecotype id=6965, duplicate=1(nativename=Spr1-6, stockparent=CS22583)

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

Table 93: detailed difference for accession id=20 vs ecotype id=6965, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 8	1	993374	1042	992824	NA	A
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 85	1	23155780	668	23155464	NA	A
AtMSQTsnp 97	1	24893649	1428	24893448	G	NA
AtMSQTsnp 118	2	322335	2465	322253	NA	A
AtMSQTsnp 156	2	12658862	2572	12658576	-	T
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 281	4	10482088	956	10482038	NA	C
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 325	5	1214057	2388	1213621	NA	T
AtMSQTsnp 334	5	2244739	1995	2244524	C	NA
AtMSQTsnp 398	5	22116788	642	22116605	C	NA
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA

5.20 strain m2-1(accession id=21)

5.20.1 corresponding ecotype m2-1(stkparent=CS22584, ecotype id=8349, duplicate=1)

Table 94: accession id=21 vs ecotype id=8349, duplicate=1(nativename=m2-1, stockparent=CS22584)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	2	1	1	1	0	0	0	0	0	0
A	0	7	25	0	0	0	0	0	0	0	0	0
C	0	9	0	18	0	0	0	0	0	0	0	0
G	0	9	0	0	34	0	0	0	0	0	0	0
T	0	5	0	0	0	33	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 95: detailed difference for accession id=21 vs ecotype id=8349, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 8	1	993374	1042	992824	NA	A
AtMSQTsnp 21	1	4142539	2625	4142402	C	NA
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 48	1	9497118	930	9496666	NA	T
AtMSQTsnp 58	1	12093546	279	12093079	G	NA
AtMSQTsnp 60	1	12357583	1973	12357044	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 87	1	23381760	312	23381443	C	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 118	2	322335	2465	322253	NA	G
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 237	3	20483289	1645	20482976	C	NA
AtMSQTsnp 267	4	8297960	499	8297594	C	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 288	4	11984772	1376	11984495	NA	A
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 372	5	15569205	926	15568698	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	G	NA

5.20.2 corresponding ecotype M2-1(stkparent=CS22584, ecotype id=7518, duplicate=1)

Table 96: accession id=21 vs ecotype id=7518, duplicate=1(nativename=M2-1, stockparent=CS22584)

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

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

Table 97: detailed difference for accession id=21 vs ecotype id=7518, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 8	1	993374	1042	992824	NA	A
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 48	1	9497118	930	9496666	NA	T
AtMSQTsnp 118	2	322335	2465	322253	NA	G
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 214	3	9747261	641	9747158	A	NA
AtMSQTsnp 288	4	11984772	1376	11984495	NA	A
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 392	5	20409250	994	20408706	NA	G
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA

5.21 strain m2-3(accession id=22)

5.21.1 corresponding ecotype m2-3(stkparent=CS22585, ecotype id=8350, duplicate=1)

Table 98: accession id=22 vs ecotype id=8350, duplicate=1(nativename=m2-3, stockparent=CS22585)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	1	0	1	0	0	0	0	0	0	0
A	0	9	23	0	1	0	0	0	0	0	0	0
C	0	8	0	27	0	0	0	0	0	0	0	0
G	0	5	0	0	37	0	0	0	0	0	0	0
T	0	4	0	0	0	31	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 99: detailed difference for accession id=22 vs ecotype id=8350, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	G	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 87	1	23381760	312	23381443	T	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 129	2	5804076	407	5803805	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	C	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	A	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 267	4	8297960	499	8297594	C	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 372	5	15569205	926	15568698	NA	A

AtMSQTsnp 373	5	15767945	1190	15767914	A	G
AtMSQTsnp 406	5	23815848	978	23815354	G	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.21.2 corresponding ecotype M2-3(stkparent=CS22585, ecotype id=7519, duplicate=1)

Table 100: accession id=22 vs ecotype id=7519, duplicate=1(nativename=M2-3, stockparent=CS22585)

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

Table 101: detailed difference for accession id=22 vs ecotype id=7519, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 9	1	1042427	1109	1042028	G	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 104	1	26794838	665	26794732	T	NA
AtMSQTsnp 173	2	16908190	728	16908054	A	NA
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 267	4	8297960	499	8297594	C	CT
AtMSQTsnp 294	4	13576588	960	13576336	T	NA
AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 373	5	15767945	1190	15767914	A	G
AtMSQTsnp 392	5	20409250	994	20408706	NA	G
AtMSQTsnp 398	5	22116788	642	22116605	C	NA
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.22 strain Ull2-5(accession id=23)

5.22.1 corresponding ecotype Ull2-5(stkparent=CS22586, ecotype id=8397, duplicate=1)

Table 102: accession id=23 vs ecotype id=8397, duplicate=1(nativename=Ull2-5, stockparent=CS22586)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	2	1	0	3	4	0	0	0	0	0	0
A	0	8	30	0	0	0	0	0	0	0	0	0
C	0	4	0	21	0	0	0	0	0	0	0	0
G	0	7	0	0	31	0	0	0	0	0	0	0
T	0	6	0	0	0	29	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 103: detailed difference for accession id=23 vs ecotype id=8397, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	G	NA
AtMSQTsnp 30	1	5629159	2156	5628596	T	NA

AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 58	1	12093546	279	12093079	G	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 69	1	18340160	1407	18340113	NA	T
AtMSQTsnp 85	1	23155780	668	23155464	NA	T
AtMSQTsnp 87	1	23381760	312	23381443	T	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 130	2	6499679	2098	6499196	NA	T
AtMSQTsnp 143	2	9428987	376	9428891	NA	A
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	C	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 174	2	17121378	2453	17121159	NA	G
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 203	3	6890665	73	6890596	NA	T
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 306	4	16742071	2714	16741855	NA	G
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 378	5	17171676	1489	17171242	NA	G
AtMSQTsnp 392	5	20409250	994	20408706	A	NA
AtMSQTsnp 406	5	23815848	978	23815354	G	NA

5.22.2 corresponding ecotype Ull2-5(stkparent=CS22586, ecotype id=6974, duplicate=1)

Table 104: accession id=23 vs ecotype id=6974, duplicate=1(nativename=Ull2-5, stockparent=CS22586)

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

Table 105: detailed difference for accession id=23 vs ecotype id=6974, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	NA	C
AtMSQTsnp 69	1	18340160	1407	18340113	NA	T
AtMSQTsnp 85	1	23155780	668	23155464	NA	T
AtMSQTsnp 97	1	24893649	1428	24893448	G	NA
AtMSQTsnp 130	2	6499679	2098	6499196	NA	T
AtMSQTsnp 143	2	9428987	376	9428891	NA	A
AtMSQTsnp 174	2	17121378	2453	17121159	NA	G
AtMSQTsnp 203	3	6890665	73	6890596	NA	T
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 306	4	16742071	2714	16741855	NA	G
AtMSQTsnp 360	5	7842993	174	7842900	NA	T
AtMSQTsnp 378	5	17171676	1489	17171242	NA	G
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	T	NA

5.23 strain Ull2-3(accession id=24)

5.23.1 corresponding ecotype Ull2-3(stkparent=CS22587, ecotype id=8396, duplicate=1)

Table 106: accession id=24 vs ecotype id=8396, duplicate=1(nativename=Ull2-3, stockparent=CS22587)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	2	3	1	1	0	0	0	0	0	0	0
A	0	8	32	0	0	0	0	0	0	0	0	0
C	0	5	0	25	0	0	0	0	0	0	0	0
G	0	7	0	0	32	0	0	0	0	0	0	0
T	0	4	0	0	0	28	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 107: detailed difference for accession id=24 vs ecotype id=8396, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	T	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 85	1	23155780	668	23155464	NA	A
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 118	2	322335	2465	322253	NA	G
AtMSQTsnp 129	2	5804076	407	5803805	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA
AtMSQTsnp 310	4	17608924	1999	17608717	NA	A
AtMSQTsnp 312	4	17803781	1985	17803605	NA	C
AtMSQTsnp 315	4	18560343	2289	18560103	NA	A
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 372	5	15569205	926	15568698	G	NA
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.23.2 corresponding ecotype Ull2-3(stkparent=CS22587, ecotype id=6973, duplicate=1)

Table 108: accession id=24 vs ecotype id=6973, duplicate=1(nativename=Ull2-3, stockparent=CS22587)

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

Table 109: detailed difference for accession id=24 vs ecotype id=6973, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 85	1	23155780	668	23155464	NA	A
AtMSQTsnp 97	1	24893649	1428	24893448	G	NA
AtMSQTsnp 118	2	322335	2465	322253	NA	G
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 170	2	15986354	2292	15986145	NA	C
AtMSQTsnp 184	2	18752840	1423	18752604	NA	A
AtMSQTsnp 214	3	9747261	641	9747158	A	NA
AtMSQTsnp 310	4	17608924	1999	17608717	NA	A
AtMSQTsnp 312	4	17803781	1985	17803605	NA	C
AtMSQTsnp 315	4	18560343	2289	18560103	NA	A
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA

5.24 strain Zdr-1(accession id=25)

5.24.1 corresponding ecotype Zdr-1(stkparent=CS22588, ecotype id=8409, duplicate=1)

Table 110: accession id=25 vs ecotype id=8409, duplicate=1(nativename=Zdr-1, stockparent=CS22588)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	0	1	0	0	0	0	0	0	0	0
A	0	6	28	0	0	0	0	0	0	0	0	0
C	0	6	1	29	0	0	0	0	0	0	0	0
G	0	10	0	0	27	0	0	0	0	0	0	0
T	0	4	0	0	0	34	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 111: detailed difference for accession id=25 vs ecotype id=8409, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	G	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	G	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	C	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 260	4	5775707	933	5775541	C	A
AtMSQTsnp 279	4	9580049	2788	9579976	NA	C
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 360	5	7842993	174	7842900	T	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.24.2 corresponding ecotype Zdr-1(stkparent=CS22588, ecotype id=6984, duplicate=1)

Table 112: accession id=25 vs ecotype id=6984, duplicate=1(nativename=Zdr-1, stockparent=CS22588)

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

Table 113: detailed difference for accession id=25 vs ecotype id=6984, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 232	3	18980664	829	18980171	A	AC
AtMSQTsnp 260	4	5775707	933	5775541	C	A
AtMSQTsnp 279	4	9580049	2788	9579976	NA	C
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 372	5	15569205	926	15568698	NA	G

5.25 strain Zdr-6(accession id=26)

5.25.1 corresponding ecotype Zdr-6(stkparent=CS22589, ecotype id=8410, duplicate=1)

Table 114: accession id=26 vs ecotype id=8410, duplicate=1(nativename=Zdr-6, stockparent=CS22589)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	2	3	0	0	0	0	0	0	0	0
A	0	6	28	0	0	0	0	0	0	0	0	0
C	0	11	0	25	0	0	0	0	0	0	0	0
G	0	9	0	0	29	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 115: detailed difference for accession id=26 vs ecotype id=8410, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 18	1	3872591	2224	3872234	C	NA
AtMSQTsnp 27	1	5206767	1014	5206479	G	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 41	1	8015448	855	8014943	C	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 63	1	13712241	345	13711856	NA	C
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 87	1	23381760	312	23381443	T	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 140	2	8750047	1072	8749828	NA	A
AtMSQTsnp 142	2	9256095	223	9256049	NA	C
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	A	NA

AtMSQTsnp 156	2	12658862	2572	12658576	C	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 191	3	2236458	2592	2236406	NA	A
AtMSQTsnp 205	3	7392098	91	7391896	T	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 267	4	8297960	499	8297594	C	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	G	NA

5.25.2 corresponding ecotype Zdr-6(stkparent=CS22589, ecotype id=6985, duplicate=1)

Table 116: accession id=26 vs ecotype id=6985, duplicate=1(nativename=Zdr-6, stockparent=CS22589)

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

Table 117: detailed difference for accession id=26 vs ecotype id=6985, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 63	1	13712241	345	13711856	NA	C
AtMSQTsnp 140	2	8750047	1072	8749828	NA	A
AtMSQTsnp 142	2	9256095	223	9256049	NA	C
AtMSQTsnp 191	3	2236458	2592	2236406	NA	A
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 244	3	23053878	1662	23053771	A	NA
AtMSQTsnp 267	4	8297960	499	8297594	C	CT
AtMSQTsnp 398	5	22116788	642	22116605	C	NA
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA

5.26 strain Bor-1(accession id=27)

5.26.1 corresponding ecotype Bor-1(stkparent=CS22590, ecotype id=6902, duplicate=1)

Table 118: accession id=27 vs ecotype id=6902, duplicate=1(nativename=Bor-1, stockparent=CS22590)

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

Table 119: detailed difference for accession id=27 vs ecotype id=6902, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 8	1	993374	1042	992824	NA	A
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 60	1	12357583	1973	12357044	NA	A
AtMSQTsnp 126	2	2477756	2192	2477306	NA	G
AtMSQTsnp 142	2	9256095	223	9256049	NA	T
AtMSQTsnp 188	3	2072780	649	2072648	T	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.26.2 corresponding ecotype Bor-1(stkparent=CS22590, ecotype id=5837, duplicate=2)

Table 120: accession id=27 vs ecotype id=5837, duplicate=2(nativename=Bor-1, stockparent=CS22590)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	1	0	2	1	0	0	0	0	0	0
A	0	5	28	0	0	0	0	0	0	0	0	0
C	0	4	0	27	0	0	0	0	0	0	0	0
G	0	12	0	0	27	0	0	0	0	0	0	0
T	0	3	0	0	0	36	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 121: detailed difference for accession id=27 vs ecotype id=5837, duplicate=2

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 8	1	993374	1042	992824	NA	A
AtMSQTsnp 27	1	5206767	1014	5206479	G	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 58	1	12093546	279	12093079	G	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 126	2	2477756	2192	2477306	NA	G
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 142	2	9256095	223	9256049	NA	T
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	A	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 372	5	15569205	926	15568698	G	NA
AtMSQTsnp 392	5	20409250	994	20408706	A	NA
AtMSQTsnp 406	5	23815848	978	23815354	G	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.26.3 corresponding ecotype Bor-1(stkparent=CS22590, ecotype id=5837, duplicate=1)

Table 122: accession id=27 vs ecotype id=5837, duplicate=1(nativename=Bor-1, stockparent=CS22590)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	2	1	1	1	0	0	0	0	0	0
A	0	1	19	0	11	2	0	0	0	0	0	0
C	0	0	5	21	2	3	0	0	0	0	0	0
G	0	2	16	3	17	1	0	0	0	0	0	0
T	0	1	1	11	2	24	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 123: detailed difference for accession id=27 vs ecotype id=5837, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 2	1	112907	847	112445	A	G
AtMSQTsnp 8	1	993374	1042	992824	NA	A
AtMSQTsnp 12	1	2211033	964	2210982	A	G
AtMSQTsnp 21	1	4142539	2625	4142402	C	T
AtMSQTsnp 22	1	4396087	46	4395913	G	A
AtMSQTsnp 30	1	5629159	2156	5628596	C	T
AtMSQTsnp 31	1	5923041	265	5922974	G	T
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 40	1	7842523	928	7842440	G	C
AtMSQTsnp 48	1	9497118	930	9496666	T	C
AtMSQTsnp 49	1	9781347	1018	9781260	T	C
AtMSQTsnp 57	1	11655519	273	11655171	T	C
AtMSQTsnp 58	1	12093546	279	12093079	G	C
AtMSQTsnp 60	1	12357583	1973	12357044	NA	T
AtMSQTsnp 67	1	17355738	660	17355484	G	A
AtMSQTsnp 73	1	20175347	1477	20174753	T	NA
AtMSQTsnp 76	1	21908667	2670	21908157	T	C
AtMSQTsnp 88	1	23395010	1071	23394478	A	G
AtMSQTsnp 91	1	24071689	1427	24071203	G	A
AtMSQTsnp 92	1	24292774	672	24292482	G	A
AtMSQTsnp 97	1	24893649	1428	24893448	G	C
AtMSQTsnp 100	1	25717887	1758	25717715	A	G
AtMSQTsnp 123	2	1798445	2109	1798324	G	A
AtMSQTsnp 126	2	2477756	2192	2477306	NA	G
AtMSQTsnp 129	2	5804076	407	5803805	G	A
AtMSQTsnp 130	2	6499679	2098	6499196	T	C
AtMSQTsnp 142	2	9256095	223	9256049	NA	C
AtMSQTsnp 145	2	10566917	381	10566416	T	C
AtMSQTsnp 159	2	13265124	2127	13265029	T	C
AtMSQTsnp 177	2	17859964	118	17859576	A	G
AtMSQTsnp 184	2	18752840	1423	18752604	T	A
AtMSQTsnp 187	3	580470	55	580026	A	T
AtMSQTsnp 188	3	2072780	649	2072648	T	C
AtMSQTsnp 191	3	2236458	2592	2236406	C	A
AtMSQTsnp 194	3	3679541	1632	3679103	A	T
AtMSQTsnp 220	3	11398207	1053	11398071	G	A
AtMSQTsnp 223	3	16489589	2208	16489217	G	A
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 249	4	1055234	482	1055093	A	G
AtMSQTsnp 254	4	2441217	233	2440917	C	A
AtMSQTsnp 263	4	7077926	495	7077771	T	C
AtMSQTsnp 278	4	9377790	2783	9377549	G	A
AtMSQTsnp 286	4	11580143	1019	11579700	C	G
AtMSQTsnp 288	4	11984772	1376	11984495	G	A
AtMSQTsnp 294	4	13576588	960	13576336	T	G
AtMSQTsnp 300	4	15765120	1685	15764920	A	G
AtMSQTsnp 310	4	17608924	1999	17608717	C	A
AtMSQTsnp 321	5	625679	2386	625179	C	A
AtMSQTsnp 323	5	872350	532	872097	A	G
AtMSQTsnp 325	5	1214057	2388	1213621	T	C
AtMSQTsnp 343	5	3606967	538	3606683	C	T
AtMSQTsnp 355	5	6708014	547	6707732	T	G
AtMSQTsnp 358	5	7279057	550	7278798	A	G
AtMSQTsnp 368	5	14216131	1035	14215995	A	G
AtMSQTsnp 370	5	15065196	756	15065018	G	A
AtMSQTsnp 372	5	15569205	926	15568698	G	NA
AtMSQTsnp 373	5	15767945	1190	15767914	G	A
AtMSQTsnp 379	5	17629384	2039	17629093	G	A
AtMSQTsnp 388	5	19316200	761	19315950	C	A

AtMSQTsnp 390	5	20215473	970	20214933	T	C
AtMSQTsnp 394	5	20518330	2759	20518241	G	A
AtMSQTsnp 398	5	22116788	642	22116605	C	G
AtMSQTsnp 406	5	23815848	978	23815354	G	A
AtMSQTsnp 408	5	25301234	2690	25300706	G	A
AtMSQTsnp 410	5	26120955	596	26120843	A	G
AtMSQTsnp 415	5	26708459	2711	26707937	NA	A

5.27 strain Bor-4(accession id=28)

5.27.1 corresponding ecotype Bor-4(stkparent=CS22591, ecotype id=8268, duplicate=1)

Table 124: accession id=28 vs ecotype id=8268, duplicate=1(nativename=Bor-4, stockparent=CS22591)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	2	1	2	0	0	0	0	0	0
A	0	8	33	0	0	0	0	0	0	0	0	0
C	0	5	0	21	0	0	0	0	0	0	0	0
G	0	10	0	0	30	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 125: detailed difference for accession id=28 vs ecotype id=8268, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	G	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 61	1	13395892	1673	13395451	T	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 69	1	18340160	1407	18340113	NA	T
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 128	2	5021020	1514	5020871	NA	G
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	C	NA
AtMSQTsnp 164	2	14003409	2631	14003272	A	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA
AtMSQTsnp 315	4	18560343	2289	18560103	NA	T
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.27.2 corresponding ecotype Bor-4(stkparent=CS22591, ecotype id=6903, duplicate=1)

Table 126: accession id=28 vs ecotype id=6903, duplicate=1(nativename=Bor-4, stockparent=CS22591)

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

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

Table 127: detailed difference for accession id=28 vs ecotype id=6903, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 61	1	13395892	1673	13395451	T	NA
AtMSQTsnp 69	1	18340160	1407	18340113	NA	T
AtMSQTsnp 73	1	20175347	1477	20174753	T	NA
AtMSQTsnp 128	2	5021020	1514	5020871	NA	G
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 315	4	18560343	2289	18560103	NA	T
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 327	5	1497133	2105	1496987	G	NA

5.28 strain Pu2-7(accession id=29)

5.28.1 corresponding ecotype Pu2-7(stkparent=CS22592, ecotype id=8362, duplicate=1)

Table 128: accession id=29 vs ecotype id=8362, duplicate=1(nativename=Pu2-7, stockparent=CS22592)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	1	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	2	0	0	0	0	0	0	0	0
A	0	5	32	0	0	0	0	0	0	0	0	0
C	0	3	0	22	0	0	0	0	0	0	0	0
G	0	13	0	0	28	0	0	0	0	0	0	0
T	0	5	0	0	0	37	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 129: detailed difference for accession id=29 vs ecotype id=8362, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	G	NA
AtMSQTsnp 30	1	5629159	2156	5628596	T	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	G	NA
AtMSQTsnp 60	1	12357583	1973	12357044	-	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 87	1	23381760	312	23381443	T	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 92	1	24292774	672	24292482	A	NA
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA

AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 288	4	11984772	1376	11984495	NA	A
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 372	5	15569205	926	15568698	G	NA
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	G	NA

5.28.2 corresponding ecotype Pu2-7(stkparent=CS22592, ecotype id=6956, duplicate=1)

Table 130: accession id=29 vs ecotype id=6956, duplicate=1(nativename=Pu2-7, stockparent=CS22592)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	1	0	0	0	0	0	0	0	0	0
NA	0	1	0	2	0	0	0	0	0	0	0	0
A	0	4	33	0	0	0	0	0	0	0	0	0
C	0	5	0	20	0	0	0	0	0	0	0	0
G	0	1	0	0	40	0	0	0	0	0	0	0
T	0	1	0	0	0	41	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 131: detailed difference for accession id=29 vs ecotype id=6956, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 2	1	112907	847	112445	G	NA
AtMSQTsnp 60	1	12357583	1973	12357044	-	A
AtMSQTsnp 132	2	7072955	367	7072571	C	NA
AtMSQTsnp 159	2	13265124	2127	13265029	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 214	3	9747261	641	9747158	A	NA
AtMSQTsnp 244	3	23053878	1662	23053771	A	NA
AtMSQTsnp 304	4	16272521	2262	16272270	C	NA
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 350	5	5005750	1459	5005363	A	NA
AtMSQTsnp 398	5	22116788	642	22116605	C	NA
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA

5.29 strain Pu2-23(accession id=30)

5.29.1 corresponding ecotype Pu2-23(stkparent=CS22453, ecotype id=6952, duplicate=1)

Table 132: accession id=30 vs ecotype id=6952, duplicate=1(nativename=Pu2-23, stockparent=CS22453)

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

Table 133: detailed difference for accession id=30 vs ecotype id=6952, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	T	NA
AtMSQTsnp 146	2	10703371	380	10702850	C	NA
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 263	4	7077926	495	7077771	NA	C
AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 398	5	22116788	642	22116605	C	NA
AtMSQTsnp 409	5	26029439	2404	26029366	T	NA

5.29.2 corresponding ecotype Pu2-23(stkparent=CS22593, ecotype id=6951, duplicate=1)

Table 134: accession id=30 vs ecotype id=6951, duplicate=1(nativename=Pu2-23, stockparent=CS22593)

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

Table 135: detailed difference for accession id=30 vs ecotype id=6951, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	T	NA
AtMSQTsnp 146	2	10703371	380	10702850	C	NA
AtMSQTsnp 263	4	7077926	495	7077771	NA	C
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 372	5	15569205	926	15568698	NA	A

5.29.3 corresponding ecotype Pu2-23(stkparent=CS22593, ecotype id=8361, duplicate=1)

Table 136: accession id=30 vs ecotype id=8361, duplicate=1(nativename=Pu2-23, stockparent=CS22593)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	1	0	0	0	0	0	0	0	0
A	0	8	27	0	0	0	0	0	0	0	0	0
C	0	9	0	24	0	0	0	0	0	0	0	0
G	0	8	0	0	28	0	0	0	0	0	0	0
T	0	6	0	0	0	34	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 137: detailed difference for accession id=30 vs ecotype id=8361, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call

AtMSQTsnp 27	1	5206767	1014	5206479	G	NA
AtMSQTsnp 30	1	5629159	2156	5628596	T	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 41	1	8015448	855	8014943	C	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 61	1	13395892	1673	13395451	T	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 87	1	23381760	312	23381443	C	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 146	2	10703371	380	10702850	C	NA
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	C	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 237	3	20483289	1645	20482976	C	NA
AtMSQTsnp 263	4	7077926	495	7077771	NA	C
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.30 strain Lp2-2(accession id=31)

5.30.1 corresponding ecotype Lp2-2(stkparent=CS22594, ecotype id=8332, duplicate=1)

Table 138: accession id=31 vs ecotype id=8332, duplicate=1(nativename=Lp2-2, stockparent=CS22594)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	0	0	2	1	0	0	0	0	0	0
A	0	7	27	0	0	0	0	0	0	0	0	0
C	0	10	0	27	0	0	0	0	0	0	0	0
G	0	12	0	0	28	0	0	0	0	0	0	0
T	0	3	0	0	0	30	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 139: detailed difference for accession id=31 vs ecotype id=8332, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 18	1	3872591	2224	3872234	C	NA
AtMSQTsnp 27	1	5206767	1014	5206479	G	NA
AtMSQTsnp 30	1	5629159	2156	5628596	T	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 41	1	8015448	855	8014943	C	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 63	1	13712241	345	13711856	A	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 87	1	23381760	312	23381443	C	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 92	1	24292774	672	24292482	A	NA
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	C	NA

AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 237	3	20483289	1645	20482976	C	NA
AtMSQTsnp 282	4	10659455	505	10659034	NA	T
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA
AtMSQTsnp 327	5	1497133	2105	1496987	G	NA
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 372	5	15569205	926	15568698	G	NA
AtMSQTsnp 373	5	15767945	1190	15767914	NA	G
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	G	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.30.2 corresponding ecotype Lp2-2(stkparent=CS22594, ecotype id=7520, duplicate=1)

Table 140: accession id=31 vs ecotype id=7520, duplicate=1(nativename=Lp2-2, stockparent=CS22594)

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

Table 141: detailed difference for accession id=31 vs ecotype id=7520, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 63	1	13712241	345	13711856	A	NA
AtMSQTsnp 214	3	9747261	641	9747158	A	NA
AtMSQTsnp 282	4	10659455	505	10659034	NA	T
AtMSQTsnp 294	4	13576588	960	13576336	T	NA
AtMSQTsnp 373	5	15767945	1190	15767914	NA	AG
AtMSQTsnp 398	5	22116788	642	22116605	C	NA
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.31 strain Lp2-6(accession id=32)

5.31.1 corresponding ecotype Lp2-6(stkparent=CS22595, ecotype id=8333, duplicate=1)

Table 142: accession id=32 vs ecotype id=8333, duplicate=1(nativename=Lp2-6, stockparent=CS22595)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	2	0	1	1	2	0	0	0	0	0	0
A	0	7	33	0	0	0	0	0	0	0	0	0
C	0	6	0	29	0	0	0	0	0	0	0	0
G	0	8	0	0	25	0	0	0	0	0	0	0
T	0	5	0	0	0	28	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0

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

Table 143: detailed difference for accession id=32 vs ecotype id=8333, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	G	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 41	1	8015448	855	8014943	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 49	1	9781347	1018	9781260	NA	T
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 87	1	23381760	312	23381443	T	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	A	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 315	4	18560343	2289	18560103	NA	T
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	G	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.31.2 corresponding ecotype Lp2-6(stkparent=CS22595, ecotype id=7521, duplicate=1)

Table 144: accession id=32 vs ecotype id=7521, duplicate=1(nativename=Lp2-6, stockparent=CS22595)

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

Table 145: detailed difference for accession id=32 vs ecotype id=7521, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 49	1	9781347	1018	9781260	NA	T
AtMSQTsnp 97	1	24893649	1428	24893448	G	NA
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 315	4	18560343	2289	18560103	NA	T
AtMSQTsnp 327	5	1497133	2105	1496987	NA	T
AtMSQTsnp 398	5	22116788	642	22116605	C	NA
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.32 strain HR-5(accession id=33)

5.32.1 corresponding ecotype HR-5(stkparent=CS22596, ecotype id=8309, duplicate=1)

Table 146: accession id=33 vs ecotype id=8309, duplicate=1(nativename=HR-5, stockparent=CS22596)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	3	0	1	0	0	0	0	0	0	0	0
A	0	10	31	0	0	0	0	0	0	0	0	0
C	0	5	0	35	0	0	0	0	0	0	0	0
G	0	8	0	0	24	0	0	0	0	0	0	0
T	0	5	0	0	0	26	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	1	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 147: detailed difference for accession id=33 vs ecotype id=8309, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 114	1	30214313	1800	30213917	AG	A
AtMSQTsnp 129	2	5804076	407	5803805	A	NA
AtMSQTsnp 140	2	8750047	1072	8749828	NA	C
AtMSQTsnp 146	2	10703371	380	10702850	C	NA
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	A	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 205	3	7392098	91	7391896	T	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 267	4	8297960	499	8297594	T	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 327	5	1497133	2105	1496987	G	NA
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	T	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 372	5	15569205	926	15568698	G	NA
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.32.2 corresponding ecotype HR-5(stkparent=CS22596, ecotype id=6924, duplicate=1)

Table 148: accession id=33 vs ecotype id=6924, duplicate=1(nativename=HR-5, stockparent=CS22596)

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

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

Table 149: detailed difference for accession id=33 vs ecotype id=6924, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 15	1	2844525	1139	2844111	T	NA
AtMSQTsnp 30	1	5629159	2156	5628596	NA	T
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 114	1	30214313	1800	30213917	AG	A
AtMSQTsnp 138	2	8371133	373	8370574	C	NA
AtMSQTsnp 140	2	8750047	1072	8749828	NA	C
AtMSQTsnp 146	2	10703371	380	10702850	C	NA
AtMSQTsnp 164	2	14003409	2631	14003272	NA	C
AtMSQTsnp 214	3	9747261	641	9747158	A	NA
AtMSQTsnp 304	4	16272521	2262	16272270	T	CT
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA

5.32.3 corresponding ecotype HR-5(stkparent=CS22205, ecotype id=6800, duplicate=1)

Table 150: accession id=33 vs ecotype id=6800, duplicate=1(nativename=HR-5, stockparent=CS22205)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	2	1	1	0	0	0	0	0	0
A	0	2	39	0	0	0	0	0	0	0	0	0
C	0	3	0	37	0	0	0	0	0	0	0	0
G	0	3	0	0	29	0	0	0	0	0	0	0
T	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
AG	0	0	1	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 151: detailed difference for accession id=33 vs ecotype id=6800, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 2	1	112907	847	112445	G	NA
AtMSQTsnp 30	1	5629159	2156	5628596	NA	T
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 114	1	30214313	1800	30213917	AG	A
AtMSQTsnp 140	2	8750047	1072	8749828	NA	C
AtMSQTsnp 146	2	10703371	380	10702850	C	NA
AtMSQTsnp 164	2	14003409	2631	14003272	NA	C
AtMSQTsnp 214	3	9747261	641	9747158	A	NA
AtMSQTsnp 288	4	11984772	1376	11984495	A	NA
AtMSQTsnp 306	4	16742071	2714	16741855	C	NA
AtMSQTsnp 370	5	15065196	756	15065018	NA	G
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA

5.33 strain HR-10(accession id=34)

5.33.1 corresponding ecotype HR-10(stkparent=CS22597, ecotype id=8308, duplicate=1)

Table 152: accession id=34 vs ecotype id=8308, duplicate=1(nativename=HR-10, stockparent=CS22597)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	3	0	1	1	0	0	0	0	0	0	0
A	0	7	30	0	0	0	0	0	0	0	0	0
C	0	7	0	27	0	0	0	0	0	0	0	0

G	0	11	0	0	31	0	0	0	0	0	0	0
T	0	7	0	0	0	22	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 153: detailed difference for accession id=34 vs ecotype id=8308, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 9	1	1042427	1109	1042028	T	NA
AtMSQTsnp 18	1	3872591	2224	3872234	NA	C
AtMSQTsnp 21	1	4142539	2625	4142402	C	NA
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 41	1	8015448	855	8014943	C	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 87	1	23381760	312	23381443	T	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 146	2	10703371	380	10702850	G	NA
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	A	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 205	3	7392098	91	7391896	T	NA
AtMSQTsnp 231	3	18590671	883	18590590	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	G	NA
AtMSQTsnp 237	3	20483289	1645	20482976	C	NA
AtMSQTsnp 244	3	23053878	1662	23053771	NA	G
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	T	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 372	5	15569205	926	15568698	G	NA
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.33.2 corresponding ecotype HR-10(stkparent=CS22597, ecotype id=6923, duplicate=1)

Table 154: accession id=34 vs ecotype id=6923, duplicate=1(nativename=HR-10, stockparent=CS22597)

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

Table 155: detailed difference for accession id=34 vs ecotype id=6923, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 18	1	3872591	2224	3872234	NA	C
AtMSQTsnp 30	1	5629159	2156	5628596	NA	C

AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 92	1	24292774	672	24292482	NA	A
AtMSQTsnp 138	2	8371133	373	8370574	C	CT
AtMSQTsnp 146	2	10703371	380	10702850	G	NA
AtMSQTsnp 244	3	23053878	1662	23053771	NA	G

5.34 strain NFA-8(accession id=35)

5.34.1 corresponding ecotype NFA-8(stkparent=CS22598, ecotype id=8346, duplicate=1)

Table 156: accession id=35 vs ecotype id=8346, duplicate=1(nativename=NFA-8, stockparent=CS22598)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	3	0	0	0	1	0	0	0	0	0	0
A	0	7	28	0	0	0	0	0	0	0	0	0
C	0	4	0	32	0	0	0	0	0	0	0	0
G	0	6	0	0	33	0	0	0	0	0	0	0
T	0	7	0	0	0	27	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 157: detailed difference for accession id=35 vs ecotype id=8346, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 130	2	6499679	2098	6499196	NA	T
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 235	3	19930624	833	19930188	G	NA
AtMSQTsnp 267	4	8297960	499	8297594	T	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	T	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.34.2 corresponding ecotype NFA-8(stkparent=CS22598, ecotype id=6944, duplicate=1)

Table 158: accession id=35 vs ecotype id=6944, duplicate=1(nativename=NFA-8, stockparent=CS22598)

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

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

Table 159: detailed difference for accession id=35 vs ecotype id=6944, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 21	1	4142539	2625	4142402	NA	C
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 130	2	6499679	2098	6499196	NA	T
AtMSQTsnp 138	2	8371133	373	8370574	C	NA
AtMSQTsnp 164	2	14003409	2631	14003272	NA	A
AtMSQTsnp 205	3	7392098	91	7391896	NA	T
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA

5.35 strain NFA-10(accession id=36)

5.35.1 corresponding ecotype NFA-10(stkparent=CS22599, ecotype id=8345, duplicate=1)

Table 160: accession id=36 vs ecotype id=8345, duplicate=1(nativename=NFA-10, stockparent=CS22599)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	0	3	1	0	0	0	0	0	0	0
A	0	10	26	0	0	0	0	0	0	0	0	0
C	0	7	0	23	0	1	0	0	0	0	0	0
G	0	9	0	0	30	0	0	0	0	0	0	0
T	0	5	0	0	0	33	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 161: detailed difference for accession id=36 vs ecotype id=8345, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	C	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 63	1	13712241	345	13711856	NA	C
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 87	1	23381760	312	23381443	T	NA
AtMSQTsnp 88	1	23395010	1071	23394478	NA	G
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 129	2	5804076	407	5803805	A	NA
AtMSQTsnp 146	2	10703371	380	10702850	G	NA
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	C	NA
AtMSQTsnp 159	2	13265124	2127	13265029	C	T
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	A	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 231	3	18590671	883	18590590	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 267	4	8297960	499	8297594	T	NA
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 327	5	1497133	2105	1496987	G	NA

AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	T	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 372	5	15569205	926	15568698	G	NA
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.35.2 corresponding ecotype NFA-10(stkparent=CS22599, ecotype id=6943, duplicate=1)

Table 162: accession id=36 vs ecotype id=6943, duplicate=1(nativename=NFA-10, stockparent=CS22599)

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

Table 163: detailed difference for accession id=36 vs ecotype id=6943, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 63	1	13712241	345	13711856	NA	C
AtMSQTsnp 88	1	23395010	1071	23394478	NA	G
AtMSQTsnp 92	1	24292774	672	24292482	NA	A
AtMSQTsnp 146	2	10703371	380	10702850	G	NA
AtMSQTsnp 159	2	13265124	2127	13265029	C	T
AtMSQTsnp 232	3	18980664	829	18980171	A	AC
AtMSQTsnp 278	4	9377790	2783	9377549	A	NA
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 327	5	1497133	2105	1496987	G	NA

5.36 strain Sq-1(accession id=37)

5.36.1 corresponding ecotype Sq-1(stkparent=CS22600, ecotype id=8384, duplicate=1)

Table 164: accession id=37 vs ecotype id=8384, duplicate=1(nativename=Sq-1, stockparent=CS22600)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	1	0	0	0	0	0	0	0	0
A	0	9	31	0	0	0	0	0	0	0	0	0
C	0	9	0	26	0	0	0	0	0	0	0	0
G	0	9	0	0	31	0	0	0	0	0	0	0
T	0	4	0	0	0	28	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 165: detailed difference for accession id=37 vs ecotype id=8384, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call

AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	T	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 41	1	8015448	855	8014943	C	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 87	1	23381760	312	23381443	C	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 146	2	10703371	380	10702850	G	NA
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	C	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	A	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 205	3	7392098	91	7391896	T	NA
AtMSQTsnp 231	3	18590671	883	18590590	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 237	3	20483289	1645	20482976	C	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 360	5	7842993	174	7842900	T	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.36.2 corresponding ecotype Sq-1(stkparent=CS22600, ecotype id=6966, duplicate=1)

Table 166: accession id=37 vs ecotype id=6966, duplicate=1(nativename=Sq-1, stockparent=CS22600)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	1	0	0	0	0	0	0	0	0
A	0	0	40	0	0	0	0	0	0	0	0	0
C	0	2	0	33	0	0	0	0	0	0	0	0
G	0	5	0	0	35	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 167: detailed difference for accession id=37 vs ecotype id=6966, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 54	1	10720273	860	10719833	G	NA
AtMSQTsnp 97	1	24893649	1428	24893448	G	NA
AtMSQTsnp 138	2	8371133	373	8370574	C	NA
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA

5.37 strain Sq-8(accession id=38)

5.37.1 corresponding ecotype Sq-8(stkparent=CS22601, ecotype id=6967, duplicate=1)

Table 168: accession id=38 vs ecotype id=6967, duplicate=1(nativename=Sq-8, stockparent=CS22601)

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

Table 169: detailed difference for accession id=38 vs ecotype id=6967, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 40	1	7842523	928	7842440	C	NA
AtMSQTsnp 54	1	10720273	860	10719833	A	NA
AtMSQTsnp 73	1	20175347	1477	20174753	T	NA
AtMSQTsnp 143	2	9428987	376	9428891	NA	A
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 315	4	18560343	2289	18560103	T	NA
AtMSQTsnp 334	5	2244739	1995	2244524	C	NA
AtMSQTsnp 370	5	15065196	756	15065018	A	NA
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.37.2 corresponding ecotype Sq-8(stkparent=CS22601, ecotype id=8385, duplicate=1)

Table 170: accession id=38 vs ecotype id=8385, duplicate=1(nativename=Sq-8, stockparent=CS22601)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	0	1	0	0	0	0	0	0	0
A	0	9	34	0	0	0	0	0	0	0	0	0
C	0	9	0	28	0	0	0	0	0	0	0	0
G	0	5	0	0	24	0	0	0	0	0	0	0
T	0	5	0	0	0	29	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 171: detailed difference for accession id=38 vs ecotype id=8385, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 18	1	3872591	2224	3872234	C	NA
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 41	1	8015448	855	8014943	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	C	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 143	2	9428987	376	9428891	NA	A
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA

AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 184	2	18752840	1423	18752604	A	NA
AtMSQTsnp 186	3	298210	777	297801	A	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 231	3	18590671	883	18590590	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	T	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 392	5	20409250	994	20408706	A	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.38 strain CIBC-5(accession id=39)

5.38.1 corresponding ecotype CIBC-5(stkparent=CS22602, ecotype id=8277, duplicate=1)

Table 172: accession id=39 vs ecotype id=8277, duplicate=1(nativename=CIBC-5, stockparent=CS22602)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	1	1	0	0	0	0	0	0	0
A	0	9	25	1	2	0	0	0	0	0	0	0
C	0	6	0	25	0	2	0	0	0	0	1	0
G	0	9	0	1	34	0	0	0	0	0	0	0
T	0	7	1	0	0	23	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 173: detailed difference for accession id=39 vs ecotype id=8277, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	T	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 38	1	7449598	2136	7449482	NA	C
AtMSQTsnp 41	1	8015448	855	8014943	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	T	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 87	1	23381760	312	23381443	T	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 138	2	8371133	373	8370574	C	CT
AtMSQTsnp 146	2	10703371	380	10702850	C	NA
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	C	NA
AtMSQTsnp 164	2	14003409	2631	14003272	A	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 223	3	16489589	2208	16489217	A	G
AtMSQTsnp 231	3	18590671	883	18590590	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	G	NA
AtMSQTsnp 244	3	23053878	1662	23053771	A	G
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 304	4	16272521	2262	16272270	C	T
AtMSQTsnp 306	4	16742071	2714	16741855	G	C
AtMSQTsnp 307	4	17038400	2205	17038096	T	A
AtMSQTsnp 321	5	625679	2386	625179	A	C
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 334	5	2244739	1995	2244524	C	T
AtMSQTsnp 360	5	7842993	174	7842900	G	NA

AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 372	5	15569205	926	15568698	G	NA
AtMSQTsnp 373	5	15767945	1190	15767914	NA	G
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	A

5.38.2 corresponding ecotype CIBC-5(stkparent=CS22602, ecotype id=6908, duplicate=1)

Table 174: accession id=39 vs ecotype id=6908, duplicate=1(nativename=CIBC-5, stockparent=CS22602)

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

Table 175: detailed difference for accession id=39 vs ecotype id=6908, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 38	1	7449598	2136	7449482	NA	C
AtMSQTsnp 97	1	24893649	1428	24893448	G	NA
AtMSQTsnp 146	2	10703371	380	10702850	C	NA
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 223	3	16489589	2208	16489217	A	G
AtMSQTsnp 244	3	23053878	1662	23053771	A	G
AtMSQTsnp 304	4	16272521	2262	16272270	C	T
AtMSQTsnp 306	4	16742071	2714	16741855	G	C
AtMSQTsnp 307	4	17038400	2205	17038096	T	A
AtMSQTsnp 321	5	625679	2386	625179	A	C
AtMSQTsnp 327	5	1497133	2105	1496987	T	G
AtMSQTsnp 334	5	2244739	1995	2244524	C	T
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	A

5.38.3 corresponding ecotype CIBC-5(stkparent=CS22224, ecotype id=6730, duplicate=1)

Table 176: accession id=39 vs ecotype id=6730, duplicate=1(nativename=CIBC-5, stockparent=CS22224)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	1	1	0	0	0	0	0	0	0
A	0	1	22	6	7	1	0	0	0	0	0	0
C	0	1	2	13	4	14	0	0	0	0	0	0
G	0	4	15	0	21	4	0	0	0	0	0	0
T	0	1	5	7	2	16	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 177: detailed difference for accession id=39 vs ecotype id=6730, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 4	1	340810	1095	340398	A	C
AtMSQTsnp 10	1	1149280	1467	1149096	G	A
AtMSQTsnp 12	1	2211033	964	2210982	G	A
AtMSQTsnp 21	1	4142539	2625	4142402	C	T
AtMSQTsnp 27	1	5206767	1014	5206479	A	G
AtMSQTsnp 29	1	5482008	263	5481722	T	A
AtMSQTsnp 30	1	5629159	2156	5628596	T	C
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 38	1	7449598	2136	7449482	NA	C
AtMSQTsnp 47	1	9343401	929	9343234	A	C
AtMSQTsnp 48	1	9497118	930	9496666	T	C
AtMSQTsnp 49	1	9781347	1018	9781260	C	T
AtMSQTsnp 54	1	10720273	860	10719833	G	A
AtMSQTsnp 58	1	12093546	279	12093079	C	G
AtMSQTsnp 63	1	13712241	345	13711856	C	A
AtMSQTsnp 65	1	16874727	290	16874305	G	A
AtMSQTsnp 67	1	17355738	660	17355484	G	A
AtMSQTsnp 73	1	20175347	1477	20174753	C	T
AtMSQTsnp 85	1	23155780	668	23155464	A	T
AtMSQTsnp 87	1	23381760	312	23381443	T	C
AtMSQTsnp 90	1	23893336	69	23893276	T	C
AtMSQTsnp 97	1	24893649	1428	24893448	G	NA
AtMSQTsnp 101	1	26278413	330	26278221	G	A
AtMSQTsnp 114	1	30214313	1800	30213917	A	G
AtMSQTsnp 126	2	2477756	2192	2477306	G	A
AtMSQTsnp 132	2	7072955	367	7072571	T	C
AtMSQTsnp 138	2	8371133	373	8370574	C	T
AtMSQTsnp 140	2	8750047	1072	8749828	A	C
AtMSQTsnp 143	2	9428987	376	9428891	C	A
AtMSQTsnp 145	2	10566917	381	10566416	C	T
AtMSQTsnp 146	2	10703371	380	10702850	C	G
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 159	2	13265124	2127	13265029	C	T
AtMSQTsnp 164	2	14003409	2631	14003272	A	C
AtMSQTsnp 169	2	15801542	396	15801112	T	G
AtMSQTsnp 170	2	15986354	2292	15986145	A	C
AtMSQTsnp 174	2	17121378	2453	17121159	A	G
AtMSQTsnp 184	2	18752840	1423	18752604	T	A
AtMSQTsnp 186	3	298210	777	297801	T	A
AtMSQTsnp 188	3	2072780	649	2072648	T	C
AtMSQTsnp 189	3	2231938	779	2231413	G	A
AtMSQTsnp 198	3	5235571	1612	5235221	C	T
AtMSQTsnp 203	3	6890665	73	6890596	T	A
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 223	3	16489589	2208	16489217	A	G
AtMSQTsnp 235	3	19930624	833	19930188	G	A
AtMSQTsnp 242	3	21632608	138	21632379	T	C
AtMSQTsnp 266	4	8078648	238	8078388	G	T
AtMSQTsnp 267	4	8297960	499	8297594	T	NA
AtMSQTsnp 278	4	9377790	2783	9377549	G	A
AtMSQTsnp 281	4	10482088	956	10482038	C	T
AtMSQTsnp 285	4	11326190	507	11325921	C	T
AtMSQTsnp 286	4	11580143	1019	11579700	C	G
AtMSQTsnp 292	4	12404111	2534	12403706	C	T
AtMSQTsnp 304	4	16272521	2262	16272270	C	T
AtMSQTsnp 312	4	17803781	1985	17803605	C	T
AtMSQTsnp 315	4	18560343	2289	18560103	T	A
AtMSQTsnp 321	5	625679	2386	625179	A	C
AtMSQTsnp 323	5	872350	532	872097	G	A
AtMSQTsnp 331	5	1931167	1633	1931083	C	G
AtMSQTsnp 334	5	2244739	1995	2244524	C	T
AtMSQTsnp 350	5	5005750	1459	5005363	A	G
AtMSQTsnp 355	5	6708014	547	6707732	G	T
AtMSQTsnp 359	5	7442381	1363	7442039	T	G
AtMSQTsnp 360	5	7842993	174	7842900	G	T
AtMSQTsnp 373	5	15767945	1190	15767914	NA	A
AtMSQTsnp 379	5	17629384	2039	17629093	G	A
AtMSQTsnp 390	5	20215473	970	20214933	C	T
AtMSQTsnp 394	5	20518330	2759	20518241	G	A
AtMSQTsnp 395	5	20915321	981	20915132	G	A
AtMSQTsnp 397	5	22040877	992	22040690	G	T
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 399	5	22414941	146	22414510	G	A
AtMSQTsnp 406	5	23815848	978	23815354	A	G
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA
AtMSQTsnp 410	5	26120955	596	26120843	A	G
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.39 strain CIBC-17(accession id=40)

5.39.1 corresponding ecotype CIBC-17(stkparent=CS22603, ecotype id=8276, duplicate=1)

Table 178: accession id=40 vs ecotype id=8276, duplicate=1(nativename=CIBC-17, stockparent=CS22603)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	2	2	0	0	0	0	0	0	0
A	0	9	33	0	1	1	0	0	0	0	0	0
C	0	6	1	23	0	1	0	0	0	0	0	0
G	0	7	3	0	28	1	0	0	0	0	0	0
T	0	3	0	1	0	26	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 179: detailed difference for accession id=40 vs ecotype id=8276, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 18	1	3872591	2224	3872234	NA	C
AtMSQTsnp 27	1	5206767	1014	5206479	G	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 114	1	30214313	1800	30213917	G	A
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	C	NA
AtMSQTsnp 159	2	13265124	2127	13265029	C	T
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 174	2	17121378	2453	17121159	NA	G
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	A	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 223	3	16489589	2208	16489217	G	A
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 244	3	23053878	1662	23053771	G	A
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA
AtMSQTsnp 304	4	16272521	2262	16272270	NA	C
AtMSQTsnp 306	4	16742071	2714	16741855	NA	G
AtMSQTsnp 307	4	17038400	2205	17038096	A	T
AtMSQTsnp 321	5	625679	2386	625179	C	A
AtMSQTsnp 327	5	1497133	2105	1496987	G	T
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 334	5	2244739	1995	2244524	T	C
AtMSQTsnp 360	5	7842993	174	7842900	T	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 372	5	15569205	926	15568698	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA
AtMSQTsnp 415	5	26708459	2711	26707937	A	G

5.39.2 corresponding ecotype CIBC-17(stkparent=CS22603, ecotype id=6907, duplicate=1)

Table 180: accession id=40 vs ecotype id=6907, duplicate=1(nativename=CIBC-17, stockparent=CS22603)

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

G	0	4	3	0	31	1	0	0	0	0	0	0
T	0	1	0	1	0	28	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 181: detailed difference for accession id=40 vs ecotype id=6907, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 18	1	3872591	2224	3872234	NA	C
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 97	1	24893649	1428	24893448	G	NA
AtMSQTsnp 114	1	30214313	1800	30213917	G	A
AtMSQTsnp 146	2	10703371	380	10702850	G	NA
AtMSQTsnp 159	2	13265124	2127	13265029	C	T
AtMSQTsnp 174	2	17121378	2453	17121159	NA	G
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 223	3	16489589	2208	16489217	G	A
AtMSQTsnp 244	3	23053878	1662	23053771	G	A
AtMSQTsnp 267	4	8297960	499	8297594	C	CT
AtMSQTsnp 304	4	16272521	2262	16272270	NA	C
AtMSQTsnp 306	4	16742071	2714	16741855	NA	G
AtMSQTsnp 307	4	17038400	2205	17038096	A	T
AtMSQTsnp 321	5	625679	2386	625179	C	A
AtMSQTsnp 327	5	1497133	2105	1496987	G	T
AtMSQTsnp 334	5	2244739	1995	2244524	T	C
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA
AtMSQTsnp 415	5	26708459	2711	26707937	A	G

5.39.3 corresponding ecotype CIBC-17(stkparent=CS22236, ecotype id=6724, duplicate=1)

Table 182: accession id=40 vs ecotype id=6724, duplicate=1(nativename=CIBC-17, stockparent=CS22236)

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

Table 183: detailed difference for accession id=40 vs ecotype id=6724, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 18	1	3872591	2224	3872234	NA	C
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 97	1	24893649	1428	24893448	G	NA
AtMSQTsnp 114	1	30214313	1800	30213917	G	A
AtMSQTsnp 146	2	10703371	380	10702850	G	NA
AtMSQTsnp 159	2	13265124	2127	13265029	C	T
AtMSQTsnp 174	2	17121378	2453	17121159	NA	G
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 223	3	16489589	2208	16489217	G	A
AtMSQTsnp 244	3	23053878	1662	23053771	G	A
AtMSQTsnp 267	4	8297960	499	8297594	C	CT
AtMSQTsnp 304	4	16272521	2262	16272270	NA	C
AtMSQTsnp 306	4	16742071	2714	16741855	NA	G
AtMSQTsnp 307	4	17038400	2205	17038096	A	T
AtMSQTsnp 321	5	625679	2386	625179	C	A
AtMSQTsnp 327	5	1497133	2105	1496987	G	T

AtMSQTsnp 334	5	2244739	1995	2244524	T	C
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA
AtMSQTsnp 415	5	26708459	2711	26707937	A	G

5.40 strain Tamm-2(accession id=41)

5.40.1 corresponding ecotype Tamm-2(stkparent=CS22604, ecotype id=6968, duplicate=1)

Table 184: accession id=41 vs ecotype id=6968, duplicate=1(nativename=Tamm-2, stockparent=CS22604)

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

Table 185: detailed difference for accession id=41 vs ecotype id=6968, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 2	1	112907	847	112445	G	NA
AtMSQTsnp 8	1	993374	1042	992824	A	NA
AtMSQTsnp 14	1	2775956	1649	2775589	T	NA
AtMSQTsnp 15	1	2844525	1139	2844111	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 54	1	10720273	860	10719833	G	NA
AtMSQTsnp 57	1	11655519	273	11655171	C	NA
AtMSQTsnp 62	1	13541648	808	13541490	A	NA
AtMSQTsnp 63	1	13712241	345	13711856	C	NA
AtMSQTsnp 85	1	23155780	668	23155464	A	NA
AtMSQTsnp 88	1	23395010	1071	23394478	A	NA
AtMSQTsnp 90	1	23893336	69	23893276	T	NA
AtMSQTsnp 100	1	25717887	1758	25717715	G	NA
AtMSQTsnp 114	1	30214313	1800	30213917	G	NA
AtMSQTsnp 123	2	1798445	2109	1798324	A	NA
AtMSQTsnp 126	2	2477756	2192	2477306	NA	A
AtMSQTsnp 130	2	6499679	2098	6499196	T	NA
AtMSQTsnp 132	2	7072955	367	7072571	C	NA
AtMSQTsnp 138	2	8371133	373	8370574	T	NA
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 159	2	13265124	2127	13265029	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	NA	C
AtMSQTsnp 169	2	15801542	396	15801112	G	NA
AtMSQTsnp 174	2	17121378	2453	17121159	G	NA
AtMSQTsnp 214	3	9747261	641	9747158	A	NA
AtMSQTsnp 220	3	11398207	1053	11398071	G	NA
AtMSQTsnp 231	3	18590671	883	18590590	G	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 244	3	23053878	1662	23053771	A	NA
AtMSQTsnp 254	4	2441217	233	2440917	C	NA
AtMSQTsnp 288	4	11984772	1376	11984495	G	NA
AtMSQTsnp 304	4	16272521	2262	16272270	C	NA
AtMSQTsnp 306	4	16742071	2714	16741855	G	NA
AtMSQTsnp 307	4	17038400	2205	17038096	T	NA
AtMSQTsnp 310	4	17608924	1999	17608717	A	NA
AtMSQTsnp 321	5	625679	2386	625179	A	NA
AtMSQTsnp 327	5	1497133	2105	1496987	G	NA
AtMSQTsnp 350	5	5005750	1459	5005363	G	NA
AtMSQTsnp 361	5	7881430	1986	7881187	G	NA
AtMSQTsnp 370	5	15065196	756	15065018	NA	G
AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 388	5	19316200	761	19315950	C	NA
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 404	5	23270994	1391	23270845	C	NA
AtMSQTsnp 409	5	26029439	2404	26029366	T	NA
AtMSQTsnp 410	5	26120955	596	26120843	A	NA

AtMSQTsnp 412	5	26379972	2302	26379717	T	NA
AtMSQTsnp 415	5	26708459	2711	26707937	G	NA

5.40.2 corresponding ecotype Tamm-2(stkparent=CS22604, ecotype id=8390, duplicate=1)

Table 186: accession id=41 vs ecotype id=8390, duplicate=1(nativename=Tamm-2, stockparent=CS22604)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	2	2	0	0	0	0	0	0	0	0	0
A	0	9	29	0	0	0	0	0	0	0	0	0
C	0	6	0	21	0	0	0	0	0	0	0	0
G	0	9	0	0	34	0	0	0	0	0	0	0
T	0	6	0	0	0	30	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 187: detailed difference for accession id=41 vs ecotype id=8390, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 41	1	8015448	855	8014943	C	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	G	NA
AtMSQTsnp 60	1	12357583	1973	12357044	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 87	1	23381760	312	23381443	C	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 92	1	24292774	672	24292482	A	NA
AtMSQTsnp 126	2	2477756	2192	2477306	NA	A
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	T	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 237	3	20483289	1645	20482976	T	NA
AtMSQTsnp 267	4	8297960	499	8297594	T	NA
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA
AtMSQTsnp 327	5	1497133	2105	1496987	G	NA
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.41 strain Tamm-27(accession id=42)

5.41.1 corresponding ecotype Tamm-27(stkparent=CS22605, ecotype id=8391, duplicate=1)

Table 188: accession id=42 vs ecotype id=8391, duplicate=1(nativename=Tamm-27, stockparent=CS22605)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	2	3	0	2	2	0	0	0	0	0	0
A	0	10	27	0	0	0	0	0	0	0	0	0
C	0	6	0	21	0	0	0	0	0	0	0	0

G	0	9	0	0	32	0	0	0	0	0	0	0
T	0	5	0	0	0	28	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 189: detailed difference for accession id=42 vs ecotype id=8391, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 8	1	993374	1042	992824	NA	A
AtMSQTsnp 18	1	3872591	2224	3872234	NA	G
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 41	1	8015448	855	8014943	C	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	G	NA
AtMSQTsnp 60	1	12357583	1973	12357044	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 76	1	21908667	2670	21908157	NA	T
AtMSQTsnp 87	1	23381760	312	23381443	C	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 92	1	24292774	672	24292482	A	NA
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 130	2	6499679	2098	6499196	NA	T
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	C	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	T	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 237	3	20483289	1645	20482976	T	NA
AtMSQTsnp 260	4	5775707	933	5775541	NA	A
AtMSQTsnp 267	4	8297960	499	8297594	T	NA
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA
AtMSQTsnp 321	5	625679	2386	625179	NA	A
AtMSQTsnp 327	5	1497133	2105	1496987	G	NA
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.41.2 corresponding ecotype Tamm-27(stkparent=CS22605, ecotype id=6969, duplicate=1)

Table 190: accession id=42 vs ecotype id=6969, duplicate=1(nativename=Tamm-27, stockparent=CS22605)

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

Table 191: detailed difference for accession id=42 vs ecotype id=6969, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 2	1	112907	847	112445	G	NA
AtMSQTsnp 8	1	993374	1042	992824	NA	A
AtMSQTsnp 18	1	3872591	2224	3872234	NA	G
AtMSQTsnp 30	1	5629159	2156	5628596	NA	C
AtMSQTsnp 54	1	10720273	860	10719833	G	NA
AtMSQTsnp 76	1	21908667	2670	21908157	NA	T
AtMSQTsnp 130	2	6499679	2098	6499196	NA	T
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 184	2	18752840	1423	18752604	NA	T
AtMSQTsnp 214	3	9747261	641	9747158	A	NA
AtMSQTsnp 244	3	23053878	1662	23053771	A	NA
AtMSQTsnp 260	4	5775707	933	5775541	NA	A
AtMSQTsnp 304	4	16272521	2262	16272270	C	NA
AtMSQTsnp 321	5	625679	2386	625179	NA	A
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	T	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.42 strain KZ-1(accession id=43)

5.42.1 corresponding ecotype KZ-1(stkparent=CS22435, ecotype id=6826, duplicate=1)

Table 192: accession id=43 vs ecotype id=6826, duplicate=1(nativename=KZ-1, stockparent=CS22435)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	2	3	1	1	1	0	1	0	1	0
A	0	0	31	0	2	0	0	4	2	0	0	0
C	0	2	0	25	1	2	1	0	0	0	0	0
G	0	2	2	0	26	1	0	1	0	2	0	0
T	0	2	0	1	0	25	0	0	0	0	4	2
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 193: detailed difference for accession id=43 vs ecotype id=6826, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 2	1	112907	847	112445	G	NA
AtMSQTsnp 4	1	340810	1095	340398	NA	AC
AtMSQTsnp 9	1	1042427	1109	1042028	NA	T
AtMSQTsnp 10	1	1149280	1467	1149096	A	AG
AtMSQTsnp 15	1	2844525	1139	2844111	T	C
AtMSQTsnp 21	1	4142539	2625	4142402	T	CT
AtMSQTsnp 30	1	5629159	2156	5628596	NA	CT
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 40	1	7842523	928	7842440	G	CG
AtMSQTsnp 60	1	12357583	1973	12357044	NA	AT
AtMSQTsnp 63	1	13712241	345	13711856	NA	C
AtMSQTsnp 67	1	17355738	660	17355484	G	A
AtMSQTsnp 73	1	20175347	1477	20174753	C	T
AtMSQTsnp 90	1	23893336	69	23893276	C	T
AtMSQTsnp 92	1	24292774	672	24292482	NA	A
AtMSQTsnp 108	1	28666837	343	28666569	A	G
AtMSQTsnp 129	2	5804076	407	5803805	NA	A
AtMSQTsnp 132	2	7072955	367	7072571	T	NA
AtMSQTsnp 142	2	9256095	223	9256049	NA	C
AtMSQTsnp 203	3	6890665	73	6890596	A	AT
AtMSQTsnp 205	3	7392098	91	7391896	T	CT
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 222	3	15880426	823	15879997	T	GT
AtMSQTsnp 235	3	19930624	833	19930188	A	AG
AtMSQTsnp 263	4	7077926	495	7077771	NA	C
AtMSQTsnp 279	4	9580049	2788	9579976	T	CT
AtMSQTsnp 282	4	10659455	505	10659034	A	AT
AtMSQTsnp 306	4	16742071	2714	16741855	G	CG
AtMSQTsnp 321	5	625679	2386	625179	C	AC
AtMSQTsnp 323	5	872350	532	872097	A	AG
AtMSQTsnp 327	5	1497133	2105	1496987	T	GT

AtMSQTsnp 370	5	15065196	756	15065018	NA	G
AtMSQTsnp 373	5	15767945	1190	15767914	G	A
AtMSQTsnp 378	5	17171676	1489	17171242	C	G
AtMSQTsnp 395	5	20915321	981	20915132	A	G
AtMSQTsnp 397	5	22040877	992	22040690	G	T
AtMSQTsnp 398	5	22116788	642	22116605	C	NA
AtMSQTsnp 404	5	23270994	1391	23270845	T	CT
AtMSQTsnp 406	5	23815848	978	23815354	A	AG
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA
AtMSQTsnp 410	5	26120955	596	26120843	G	AG

5.42.2 corresponding ecotype Kz-1(stkparent=CS22606, ecotype id=8320, duplicate=1)

Table 194: accession id=43 vs ecotype id=8320, duplicate=1(nativename=Kz-1, stockparent=CS22606)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	5	1	3	1	1	0	0	0	0	0	0
A	0	8	31	0	0	0	0	0	0	0	0	0
C	0	9	0	22	0	0	0	0	0	0	0	0
G	0	4	0	0	30	0	0	0	0	0	0	0
T	0	8	0	1	0	25	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 195: detailed difference for accession id=43 vs ecotype id=8320, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 4	1	340810	1095	340398	NA	A
AtMSQTsnp 9	1	1042427	1109	1042028	NA	T
AtMSQTsnp 15	1	2844525	1139	2844111	T	C
AtMSQTsnp 18	1	3872591	2224	3872234	C	NA
AtMSQTsnp 21	1	4142539	2625	4142402	T	NA
AtMSQTsnp 27	1	5206767	1014	5206479	G	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 41	1	8015448	855	8014943	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 63	1	13712241	345	13711856	NA	C
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 87	1	23381760	312	23381443	T	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 126	2	2477756	2192	2477306	NA	G
AtMSQTsnp 142	2	9256095	223	9256049	NA	C
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	C	NA
AtMSQTsnp 164	2	14003409	2631	14003272	A	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	T	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 237	3	20483289	1645	20482976	C	NA
AtMSQTsnp 263	4	7077926	495	7077771	NA	C
AtMSQTsnp 267	4	8297960	499	8297594	C	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 392	5	20409250	994	20408706	A	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.42.3 corresponding ecotype KZ-1(stkparent=CS22606, ecotype id=6930, duplicate=1)

Table 196: accession id=43 vs ecotype id=6930, duplicate=1(nativename=KZ-1, stockparent=CS22606)

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

Table 197: detailed difference for accession id=43 vs ecotype id=6930, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 2	1	112907	847	112445	G	NA
AtMSQTsnp 4	1	340810	1095	340398	NA	A
AtMSQTsnp 9	1	1042427	1109	1042028	NA	T
AtMSQTsnp 15	1	2844525	1139	2844111	T	C
AtMSQTsnp 30	1	5629159	2156	5628596	NA	C
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 60	1	12357583	1973	12357044	NA	A
AtMSQTsnp 63	1	13712241	345	13711856	NA	C
AtMSQTsnp 92	1	24292774	672	24292482	NA	A
AtMSQTsnp 126	2	2477756	2192	2477306	NA	G
AtMSQTsnp 129	2	5804076	407	5803805	NA	A
AtMSQTsnp 142	2	9256095	223	9256049	NA	C
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 263	4	7077926	495	7077771	NA	C
AtMSQTsnp 304	4	16272521	2262	16272270	C	NA
AtMSQTsnp 370	5	15065196	756	15065018	NA	G
AtMSQTsnp 398	5	22116788	642	22116605	C	NA
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA

5.43 strain Kz-9(accession id=44)

5.43.1 corresponding ecotype Kz-9(stkparent=CS22607, ecotype id=8322, duplicate=1)

Table 198: accession id=44 vs ecotype id=8322, duplicate=1(nativename=Kz-9, stockparent=CS22607)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	1	0	0	0	0	0	0	0	0	0	0
NA	0	1	2	0	0	2	0	0	0	0	0	0
A	0	6	29	0	0	0	0	0	0	0	0	0
C	0	8	0	29	0	0	0	0	0	0	0	0
G	0	8	0	0	29	0	0	0	0	0	0	0
T	0	6	0	0	0	25	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 199: detailed difference for accession id=44 vs ecotype id=8322, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	G	NA
AtMSQTsnp 30	1	5629159	2156	5628596	T	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 41	1	8015448	855	8014943	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	T	NA

AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 87	1	23381760	312	23381443	T	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 118	2	322335	2465	322253	NA	A
AtMSQTsnp 129	2	5804076	407	5803805	A	NA
AtMSQTsnp 142	2	9256095	223	9256049	NA	T
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	C	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 235	3	19930624	833	19930188	G	NA
AtMSQTsnp 254	4	2441217	233	2440917	-	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 321	5	625679	2386	625179	NA	A
AtMSQTsnp 325	5	1214057	2388	1213621	NA	T
AtMSQTsnp 327	5	1497133	2105	1496987	G	NA
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 392	5	20409250	994	20408706	A	NA
AtMSQTsnp 406	5	23815848	978	23815354	G	NA

5.43.2 corresponding ecotype KZ-9(stkparent=CS22607, ecotype id=6931, duplicate=1)

Table 200: accession id=44 vs ecotype id=6931, duplicate=1(nativename=KZ-9, stockparent=CS22607)

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

Table 201: detailed difference for accession id=44 vs ecotype id=6931, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 118	2	322335	2465	322253	NA	A
AtMSQTsnp 142	2	9256095	223	9256049	NA	T
AtMSQTsnp 214	3	9747261	641	9747158	A	NA
AtMSQTsnp 223	3	16489589	2208	16489217	A	NA
AtMSQTsnp 254	4	2441217	233	2440917	-	NA
AtMSQTsnp 321	5	625679	2386	625179	NA	A
AtMSQTsnp 325	5	1214057	2388	1213621	NA	T
AtMSQTsnp 370	5	15065196	756	15065018	NA	G
AtMSQTsnp 398	5	22116788	642	22116605	C	NA
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA

5.43.3 corresponding ecotype KZ-9(stkparent=CS22441, ecotype id=6836, duplicate=1)

Table 202: accession id=44 vs ecotype id=6836, duplicate=1(nativename=KZ-9, stockparent=CS22441)

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

C	0	3	0	34	0	0	0	0	0	0	0	0
G	0	0	0	0	37	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 203: detailed difference for accession id=44 vs ecotype id=6836, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 118	2	322335	2465	322253	NA	A
AtMSQTsnp 142	2	9256095	223	9256049	NA	T
AtMSQTsnp 214	3	9747261	641	9747158	A	NA
AtMSQTsnp 254	4	2441217	233	2440917	-	NA
AtMSQTsnp 304	4	16272521	2262	16272270	C	NA
AtMSQTsnp 321	5	625679	2386	625179	NA	A
AtMSQTsnp 325	5	1214057	2388	1213621	NA	T
AtMSQTsnp 370	5	15065196	756	15065018	NA	G
AtMSQTsnp 398	5	22116788	642	22116605	C	NA
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA

5.44 strain Got-7(accession id=45)

5.44.1 corresponding ecotype Got-7(stkparent=CS22608, ecotype id=8299, duplicate=1)

Table 204: accession id=45 vs ecotype id=8299, duplicate=1(nativename=Got-7, stockparent=CS22608)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	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
A	0	10	36	0	0	0	0	0	0	0	0	0
C	0	4	0	23	0	0	0	0	0	0	0	0
G	0	9	0	0	28	0	0	0	0	0	0	0
T	0	6	0	0	0	30	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 205: detailed difference for accession id=45 vs ecotype id=8299, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	T	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 47	1	9343401	929	9343234	C	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 61	1	13395892	1673	13395451	T	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 184	2	18752840	1423	18752604	A	NA
AtMSQTsnp 186	3	298210	777	297801	A	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	T	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA

AtMSQTsnp 325	5	1214057	2388	1213621	NA	T
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 360	5	7842993	174	7842900	T	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.44.2 corresponding ecotype GOT-7(stkparent=CS22608, ecotype id=6921, duplicate=1)

Table 206: accession id=45 vs ecotype id=6921, duplicate=1(nativename=GOT-7, stockparent=CS22608)

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

Table 207: detailed difference for accession id=45 vs ecotype id=6921, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 188	3	2072780	649	2072648	T	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 267	4	8297960	499	8297594	C	CT
AtMSQTsnp 325	5	1214057	2388	1213621	NA	T
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.45 strain GOT-22(accession id=46)

5.45.1 corresponding ecotype GOT-22(stkparent=CS22609, ecotype id=6920, duplicate=1)

Table 208: accession id=46 vs ecotype id=6920, duplicate=1(nativename=GOT-22, stockparent=CS22609)

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

Table 209: detailed difference for accession id=46 vs ecotype id=6920, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 18	1	3872591	2224	3872234	NA	C
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 61	1	13395892	1673	13395451	T	NA
AtMSQTsnp 138	2	8371133	373	8370574	C	NA
AtMSQTsnp 146	2	10703371	380	10702850	A	NA

AtMSQTsnp 188	3	2072780	649	2072648	T	NA
AtMSQTsnp 203	3	6890665	73	6890596	NA	A
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 267	4	8297960	499	8297594	C	CT
AtMSQTsnp 306	4	16742071	2714	16741855	CG	G
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 392	5	20409250	994	20408706	NA	G

5.45.2 corresponding ecotype GOT-22(stkparent=CS22298, ecotype id=6775, duplicate=1)

Table 210: accession id=46 vs ecotype id=6775, duplicate=1(nativename=GOT-22, stockparent=CS22298)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	2	1	1	0	0	0	0	0	0	0
A	0	1	42	0	0	0	1	0	0	0	0	0
C	0	1	0	24	0	0	0	0	0	0	1	0
G	0	1	0	0	36	0	0	0	0	0	0	0
T	0	2	0	0	0	35	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	1	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 211: detailed difference for accession id=46 vs ecotype id=6775, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 18	1	3872591	2224	3872234	NA	C
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 61	1	13395892	1673	13395451	T	NA
AtMSQTsnp 138	2	8371133	373	8370574	C	NA
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 203	3	6890665	73	6890596	NA	A
AtMSQTsnp 232	3	18980664	829	18980171	A	AC
AtMSQTsnp 267	4	8297960	499	8297594	C	CT
AtMSQTsnp 306	4	16742071	2714	16741855	CG	G
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 392	5	20409250	994	20408706	NA	G

5.45.3 corresponding ecotype Got-22(stkparent=CS22609, ecotype id=8298, duplicate=1)

Table 212: accession id=46 vs ecotype id=8298, duplicate=1(nativename=Got-22, stockparent=CS22609)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	2	1	0	0	0	0	0	0	0	0
A	0	9	35	0	0	0	0	0	0	0	0	0
C	0	6	0	20	0	0	0	0	0	0	0	0
G	0	8	0	0	29	0	0	0	0	0	0	0
T	0	6	0	0	0	31	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	1	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 213: detailed difference for accession id=46 vs ecotype id=8298, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call

AtMSQTsnp 18	1	3872591	2224	3872234	NA	C
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	T	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 41	1	8015448	855	8014943	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	C	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 61	1	13395892	1673	13395451	T	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 138	2	8371133	373	8370574	C	NA
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 184	2	18752840	1423	18752604	A	NA
AtMSQTsnp 186	3	298210	777	297801	A	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 203	3	6890665	73	6890596	NA	A
AtMSQTsnp 205	3	7392098	91	7391896	T	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 267	4	8297960	499	8297594	C	NA
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA
AtMSQTsnp 306	4	16742071	2714	16741855	CG	G
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 360	5	7842993	174	7842900	T	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.46 strain Ren-1(accession id=47)

5.46.1 corresponding ecotype Ren-1(stkparent=CS22610, ecotype id=8367, duplicate=1)

Table 214: accession id=47 vs ecotype id=8367, duplicate=1(nativename=Ren-1, stockparent=CS22610)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	2	1	1	0	0	0	0	1	0
A	0	6	27	1	0	0	0	0	0	0	0	0
C	0	12	0	28	0	0	0	0	0	0	0	0
G	0	6	0	0	29	0	0	0	0	0	0	0
T	0	6	0	0	0	25	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 215: detailed difference for accession id=47 vs ecotype id=8367, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	T	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 38	1	7449598	2136	7449482	NA	A
AtMSQTsnp 41	1	8015448	855	8014943	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	C	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 87	1	23381760	312	23381443	C	NA
AtMSQTsnp 88	1	23395010	1071	23394478	NA	G
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 130	2	6499679	2098	6499196	NA	T
AtMSQTsnp 146	2	10703371	380	10702850	C	NA
AtMSQTsnp 155	2	12657149	38	12656716	G	NA

AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 184	2	18752840	1423	18752604	A	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 222	3	15880426	823	15879997	G	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 237	3	20483289	1645	20482976	C	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 292	4	12404111	2534	12403706	C	NA
AtMSQTsnp 304	4	16272521	2262	16272270	NA	CT
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 360	5	7842993	174	7842900	T	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 388	5	19316200	761	19315950	A	C
AtMSQTsnp 392	5	20409250	994	20408706	A	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.46.2 corresponding ecotype REN-1(stkparent=CS22610, ecotype id=6959, duplicate=1)

Table 216: accession id=47 vs ecotype id=6959, duplicate=1(nativename=REN-1, stockparent=CS22610)

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

Table 217: detailed difference for accession id=47 vs ecotype id=6959, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 38	1	7449598	2136	7449482	NA	A
AtMSQTsnp 88	1	23395010	1071	23394478	NA	G
AtMSQTsnp 97	1	24893649	1428	24893448	G	NA
AtMSQTsnp 130	2	6499679	2098	6499196	NA	T
AtMSQTsnp 146	2	10703371	380	10702850	C	NA
AtMSQTsnp 214	3	9747261	641	9747158	A	NA
AtMSQTsnp 267	4	8297960	499	8297594	C	CT
AtMSQTsnp 281	4	10482088	956	10482038	T	CT
AtMSQTsnp 294	4	13576588	960	13576336	T	NA
AtMSQTsnp 304	4	16272521	2262	16272270	NA	C
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 370	5	15065196	756	15065018	A	NA
AtMSQTsnp 388	5	19316200	761	19315950	A	C
AtMSQTsnp 392	5	20409250	994	20408706	A	G
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA

5.46.3 corresponding ecotype REN-1(stkparent=CS22253, ecotype id=6866, duplicate=1)

Table 218: accession id=47 vs ecotype id=6866, duplicate=1(nativename=REN-1, stockparent=CS22253)

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

A	0	1	31	1	1	0	0	0	0	0	0	0
C	0	7	1	28	1	1	1	0	0	0	1	0
G	0	4	0	0	31	0	0	0	0	0	0	0
T	0	3	0	1	0	27	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 219: detailed difference for accession id=47 vs ecotype id=6866, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 2	1	112907	847	112445	G	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 38	1	7449598	2136	7449482	NA	A
AtMSQTsnp 47	1	9343401	929	9343234	C	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	T	NA
AtMSQTsnp 88	1	23395010	1071	23394478	NA	G
AtMSQTsnp 97	1	24893649	1428	24893448	G	NA
AtMSQTsnp 130	2	6499679	2098	6499196	NA	T
AtMSQTsnp 146	2	10703371	380	10702850	C	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	AC
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 214	3	9747261	641	9747158	A	NA
AtMSQTsnp 237	3	20483289	1645	20482976	C	NA
AtMSQTsnp 263	4	7077926	495	7077771	T	NA
AtMSQTsnp 267	4	8297960	499	8297594	C	CT
AtMSQTsnp 281	4	10482088	956	10482038	T	C
AtMSQTsnp 285	4	11326190	507	11325921	C	T
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 304	4	16272521	2262	16272270	NA	T
AtMSQTsnp 306	4	16742071	2714	16741855	C	G
AtMSQTsnp 310	4	17608924	1999	17608717	C	A
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 360	5	7842993	174	7842900	T	NA
AtMSQTsnp 388	5	19316200	761	19315950	A	C
AtMSQTsnp 392	5	20409250	994	20408706	A	G
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA

5.47 strain REN-11(accession id=48)

5.47.1 corresponding ecotype REN-11(stkparent=CS22263, ecotype id=6867, duplicate=1)

Table 220: accession id=48 vs ecotype id=6867, duplicate=1(nativename=REN-11, stockparent=CS22263)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	0	1	2	1	0	0	0	0	1	0
A	0	1	37	0	0	0	0	0	0	0	0	0
C	0	2	0	30	0	0	1	0	0	0	2	0
G	0	0	0	0	34	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	1	0	0	0	0	0	0
GT	0	0	0	0	1	0	0	0	0	0	0	0

Table 221: detailed difference for accession id=48 vs ecotype id=6867, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 21	1	4142539	2625	4142402	NA	CT
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	C	AC

AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 73	1	20175347	1477	20174753	C	CT
AtMSQTsnp 118	2	322335	2465	322253	NA	G
AtMSQTsnp 146	2	10703371	380	10702850	C	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 244	3	23053878	1662	23053771	NA	G
AtMSQTsnp 266	4	8078648	238	8078388	GT	G
AtMSQTsnp 267	4	8297960	499	8297594	C	CT
AtMSQTsnp 279	4	9580049	2788	9579976	NA	C
AtMSQTsnp 285	4	11326190	507	11325921	CT	T
AtMSQTsnp 327	5	1497133	2105	1496987	NA	T

5.47.2 corresponding ecotype Ren-11(stkparent=CS22611, ecotype id=8368, duplicate=1)

Table 222: accession id=48 vs ecotype id=8368, duplicate=1(nativename=Ren-11, stockparent=CS22611)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	5	0	0	1	0	0	0	0	0	0	0
A	0	22	16	0	0	0	0	0	0	0	0	0
C	0	24	0	11	0	0	0	0	0	0	0	0
G	0	17	0	0	17	0	0	0	0	0	0	0
T	0	18	0	0	0	15	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	1	0
GT	0	1	0	0	0	0	0	0	0	0	0	0

Table 223: detailed difference for accession id=48 vs ecotype id=8368, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 2	1	112907	847	112445	G	NA
AtMSQTsnp 8	1	993374	1042	992824	A	NA
AtMSQTsnp 9	1	1042427	1109	1042028	T	NA
AtMSQTsnp 10	1	1149280	1467	1149096	G	NA
AtMSQTsnp 12	1	2211033	964	2210982	G	NA
AtMSQTsnp 14	1	2775956	1649	2775589	T	NA
AtMSQTsnp 15	1	2844525	1139	2844111	T	NA
AtMSQTsnp 18	1	3872591	2224	3872234	C	NA
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 29	1	5482008	263	5481722	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 40	1	7842523	928	7842440	C	NA
AtMSQTsnp 41	1	8015448	855	8014943	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	C	NA
AtMSQTsnp 49	1	9781347	1018	9781260	T	NA
AtMSQTsnp 58	1	12093546	279	12093079	G	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 62	1	13541648	808	13541490	A	NA
AtMSQTsnp 63	1	13712241	345	13711856	C	NA
AtMSQTsnp 65	1	16874727	290	16874305	A	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 73	1	20175347	1477	20174753	C	NA
AtMSQTsnp 76	1	21908667	2670	21908157	C	NA
AtMSQTsnp 87	1	23381760	312	23381443	C	NA
AtMSQTsnp 90	1	23893336	69	23893276	T	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 101	1	26278413	330	26278221	A	NA
AtMSQTsnp 108	1	28666837	343	28666569	G	NA
AtMSQTsnp 114	1	30214313	1800	30213917	G	NA
AtMSQTsnp 123	2	1798445	2109	1798324	A	NA
AtMSQTsnp 126	2	2477756	2192	2477306	G	NA
AtMSQTsnp 130	2	6499679	2098	6499196	T	NA
AtMSQTsnp 132	2	7072955	367	7072571	T	NA
AtMSQTsnp 138	2	8371133	373	8370574	C	NA
AtMSQTsnp 140	2	8750047	1072	8749828	C	NA
AtMSQTsnp 142	2	9256095	223	9256049	T	NA
AtMSQTsnp 143	2	9428987	376	9428891	A	NA

AtMSQTsnp 145	2	10566917	381	10566416	C	NA
AtMSQTsnp 146	2	10703371	380	10702850	C	NA
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 159	2	13265124	2127	13265029	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 184	2	18752840	1423	18752604	A	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 203	3	6890665	73	6890596	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	T	NA
AtMSQTsnp 222	3	15880426	823	15879997	G	NA
AtMSQTsnp 231	3	18590671	883	18590590	G	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	G	NA
AtMSQTsnp 237	3	20483289	1645	20482976	C	NA
AtMSQTsnp 242	3	21632608	138	21632379	C	NA
AtMSQTsnp 244	3	23053878	1662	23053771	NA	G
AtMSQTsnp 254	4	2441217	233	2440917	C	NA
AtMSQTsnp 266	4	8078648	238	8078388	GT	NA
AtMSQTsnp 267	4	8297960	499	8297594	C	NA
AtMSQTsnp 274	4	9213312	2778	9213072	G	NA
AtMSQTsnp 282	4	10659455	505	10659034	T	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 292	4	12404111	2534	12403706	T	NA
AtMSQTsnp 306	4	16742071	2714	16741855	C	NA
AtMSQTsnp 310	4	17608924	1999	17608717	C	NA
AtMSQTsnp 315	4	18560343	2289	18560103	T	NA
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 360	5	7842993	174	7842900	T	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 370	5	15065196	756	15065018	A	NA
AtMSQTsnp 372	5	15569205	926	15568698	A	NA
AtMSQTsnp 378	5	17171676	1489	17171242	C	NA
AtMSQTsnp 379	5	17629384	2039	17629093	G	NA
AtMSQTsnp 388	5	19316200	761	19315950	A	NA
AtMSQTsnp 390	5	20215473	970	20214933	C	NA
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 395	5	20915321	981	20915132	A	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA
AtMSQTsnp 412	5	26379972	2302	26379717	A	NA
AtMSQTsnp 415	5	26708459	2711	26707937	A	NA

5.47.3 corresponding ecotype REN-11(stkparent=CS22611, ecotype id=6960, duplicate=1)

Table 224: accession id=48 vs ecotype id=6960, duplicate=1(nativename=REN-11, stockparent=CS22611)

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

Table 225: detailed difference for accession id=48 vs ecotype id=6960, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 38	1	7449598	2136	7449482	NA	A
AtMSQTsnp 118	2	322335	2465	322253	NA	G
AtMSQTsnp 146	2	10703371	380	10702850	C	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 244	3	23053878	1662	23053771	NA	G
AtMSQTsnp 266	4	8078648	238	8078388	GT	G
AtMSQTsnp 267	4	8297960	499	8297594	C	CT

AtMSQTsnp 279	4	9580049	2788	9579976	NA	C
AtMSQTsnp 285	4	11326190	507	11325921	CT	C
AtMSQTsnp 327	5	1497133	2105	1496987	NA	T

5.48 strain Uod-1(accession id=49)

5.48.1 corresponding ecotype Uod-1(stkparent=CS22612, ecotype id=8398, duplicate=1)

Table 226: accession id=49 vs ecotype id=8398, duplicate=1(nativename=Uod-1, stockparent=CS22612)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	1	0	0	0	0	0	0
NA	0	1	0	1	0	0	0	0	0	0	0	0
A	0	6	31	0	0	0	0	0	0	0	0	0
C	0	6	0	33	0	0	0	0	0	0	0	0
G	0	11	0	0	31	0	0	0	0	0	0	0
T	0	4	0	0	0	22	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 227: detailed difference for accession id=49 vs ecotype id=8398, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	G	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 47	1	9343401	929	9343234	C	NA
AtMSQTsnp 49	1	9781347	1018	9781260	-	T
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 61	1	13395892	1673	13395451	T	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 130	2	6499679	2098	6499196	NA	C
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	A	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 231	3	18590671	883	18590590	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	G	NA

5.48.2 corresponding ecotype Uod-1(stkparent=CS22612, ecotype id=6975, duplicate=1)

Table 228: accession id=49 vs ecotype id=6975, duplicate=1(nativename=Uod-1, stockparent=CS22612)

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

Table 229: detailed difference for accession id=49 vs ecotype id=6975, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 49	1	9781347	1018	9781260	-	T
AtMSQTsnp 130	2	6499679	2098	6499196	NA	C
AtMSQTsnp 184	2	18752840	1423	18752604	NA	T

5.49 strain Uod-7(accession id=50)

5.49.1 corresponding ecotype Uod-7(stkparent=CS22613, ecotype id=8399, duplicate=1)

Table 230: accession id=50 vs ecotype id=8399, duplicate=1(nativename=Uod-7, stockparent=CS22613)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	2	1	2	2	1	0	0	0	0	0	0
A	0	5	31	0	0	0	0	0	0	0	0	0
C	0	5	0	25	0	0	0	0	0	0	0	0
G	0	11	0	0	30	0	0	0	0	0	0	0
T	0	7	0	0	0	26	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 231: detailed difference for accession id=50 vs ecotype id=8399, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	G	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	G	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 61	1	13395892	1673	13395451	T	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 87	1	23381760	312	23381443	T	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 123	2	1798445	2109	1798324	NA	G
AtMSQTsnp 128	2	5021020	1514	5020871	NA	G
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 130	2	6499679	2098	6499196	NA	C
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 231	3	18590671	883	18590590	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	G	NA
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA
AtMSQTsnp 321	5	625679	2386	625179	NA	A
AtMSQTsnp 325	5	1214057	2388	1213621	NA	T
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 334	5	2244739	1995	2244524	NA	C
AtMSQTsnp 360	5	7842993	174	7842900	T	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 372	5	15569205	926	15568698	G	NA

AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.49.2 corresponding ecotype Uod-7(stkparent=CS22613, ecotype id=6976, duplicate=1)

Table 232: accession id=50 vs ecotype id=6976, duplicate=1(nativename=Uod-7, stockparent=CS22613)

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

Table 233: detailed difference for accession id=50 vs ecotype id=6976, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 4	1	340810	1095	340398	A	NA
AtMSQTsnp 9	1	1042427	1109	1042028	T	NA
AtMSQTsnp 11	1	1602136	848	1601885	T	NA
AtMSQTsnp 12	1	2211033	964	2210982	A	NA
AtMSQTsnp 22	1	4396087	46	4395913	G	NA
AtMSQTsnp 29	1	5482008	263	5481722	T	NA
AtMSQTsnp 31	1	5923041	265	5922974	G	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 48	1	9497118	930	9496666	C	NA
AtMSQTsnp 53	1	10423708	948	10423483	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	T	NA
AtMSQTsnp 92	1	24292774	672	24292482	NA	A
AtMSQTsnp 97	1	24893649	1428	24893448	C	NA
AtMSQTsnp 101	1	26278413	330	26278221	G	NA
AtMSQTsnp 104	1	26794838	665	26794732	T	NA
AtMSQTsnp 108	1	28666837	343	28666569	A	NA
AtMSQTsnp 123	2	1798445	2109	1798324	NA	G
AtMSQTsnp 130	2	6499679	2098	6499196	NA	C
AtMSQTsnp 143	2	9428987	376	9428891	A	NA
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 173	2	16908190	728	16908054	G	NA
AtMSQTsnp 194	3	3679541	1632	3679103	A	NA
AtMSQTsnp 214	3	9747261	641	9747158	A	NA
AtMSQTsnp 222	3	15880426	823	15879997	G	NA
AtMSQTsnp 223	3	16489589	2208	16489217	G	NA
AtMSQTsnp 249	4	1055234	482	1055093	G	NA
AtMSQTsnp 267	4	8297960	499	8297594	C	CT
AtMSQTsnp 274	4	9213312	2778	9213072	G	NA
AtMSQTsnp 278	4	9377790	2783	9377549	A	NA
AtMSQTsnp 281	4	10482088	956	10482038	T	NA
AtMSQTsnp 282	4	10659455	505	10659034	T	NA
AtMSQTsnp 292	4	12404111	2534	12403706	T	NA
AtMSQTsnp 294	4	13576588	960	13576336	T	NA
AtMSQTsnp 312	4	17803781	1985	17803605	C	NA
AtMSQTsnp 321	5	625679	2386	625179	NA	A
AtMSQTsnp 323	5	872350	532	872097	A	NA
AtMSQTsnp 334	5	2244739	1995	2244524	NA	C
AtMSQTsnp 343	5	3606967	538	3606683	T	NA
AtMSQTsnp 351	5	5319138	126	5318924	G	NA
AtMSQTsnp 355	5	6708014	547	6707732	T	NA
AtMSQTsnp 358	5	7279057	550	7278798	A	NA
AtMSQTsnp 370	5	15065196	756	15065018	A	NA
AtMSQTsnp 390	5	20215473	970	20214933	C	NA
AtMSQTsnp 395	5	20915321	981	20915132	A	NA
AtMSQTsnp 398	5	22116788	642	22116605	C	NA
AtMSQTsnp 399	5	22414941	146	22414510	A	NA

5.50 strain Cvi-0(accession id=51)

5.50.1 corresponding ecotype Cvi-0(stkparent=CS22614, ecotype id=8281, duplicate=1)

Table 234: accession id=51 vs ecotype id=8281, duplicate=1(nativename=Cvi-0, stockparent=CS22614)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	1	0	0	0	0	0	0	0	0	0
NA	0	1	1	3	2	1	0	0	0	0	0	0
A	0	11	23	0	0	0	0	0	0	0	0	0
C	0	7	0	28	0	0	0	0	0	0	0	0
G	0	7	0	0	36	0	0	0	0	0	0	0
T	0	6	0	0	0	22	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 235: detailed difference for accession id=51 vs ecotype id=8281, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 18	1	3872591	2224	3872234	C	NA
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	T	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 41	1	8015448	855	8014943	C	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 63	1	13712241	345	13711856	NA	C
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 87	1	23381760	312	23381443	T	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 126	2	2477756	2192	2477306	NA	G
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 130	2	6499679	2098	6499196	NA	T
AtMSQTsnp 140	2	8750047	1072	8749828	-	A
AtMSQTsnp 142	2	9256095	223	9256049	NA	C
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	A	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	T	NA
AtMSQTsnp 235	3	19930624	833	19930188	G	NA
AtMSQTsnp 237	3	20483289	1645	20482976	C	NA
AtMSQTsnp 267	4	8297960	499	8297594	C	NA
AtMSQTsnp 292	4	12404111	2534	12403706	NA	C
AtMSQTsnp 306	4	16742071	2714	16741855	NA	G
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA
AtMSQTsnp 412	5	26379972	2302	26379717	NA	A

5.50.2 corresponding ecotype Cvi-0(stkparent=CS6675, ecotype id=7065, duplicate=1)

Table 236: accession id=51 vs ecotype id=7065, duplicate=1(nativename=Cvi-0, stockparent=CS6675)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	1	0	0	0	0	0	0	0	0	0
NA	0	1	1	3	2	1	0	0	0	0	0	0
A	0	9	25	0	0	0	0	0	0	0	0	0

C	0	9	0	26	0	0	0	0	0	0	0	0
G	0	13	0	0	30	0	0	0	0	0	0	0
T	0	9	0	0	0	19	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 237: detailed difference for accession id=51 vs ecotype id=7065, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 4	1	340810	1095	340398	A	NA
AtMSQTsnp 9	1	1042427	1109	1042028	T	NA
AtMSQTsnp 11	1	1602136	848	1601885	C	NA
AtMSQTsnp 12	1	2211033	964	2210982	A	NA
AtMSQTsnp 22	1	4396087	46	4395913	A	NA
AtMSQTsnp 29	1	5482008	263	5481722	T	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 48	1	9497118	930	9496666	C	NA
AtMSQTsnp 53	1	10423708	948	10423483	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 63	1	13712241	345	13711856	NA	C
AtMSQTsnp 73	1	20175347	1477	20174753	C	NA
AtMSQTsnp 97	1	24893649	1428	24893448	C	NA
AtMSQTsnp 104	1	26794838	665	26794732	T	NA
AtMSQTsnp 108	1	28666837	343	28666569	G	NA
AtMSQTsnp 126	2	2477756	2192	2477306	NA	G
AtMSQTsnp 130	2	6499679	2098	6499196	NA	T
AtMSQTsnp 140	2	8750047	1072	8749828	-	A
AtMSQTsnp 142	2	9256095	223	9256049	NA	C
AtMSQTsnp 143	2	9428987	376	9428891	A	NA
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 173	2	16908190	728	16908054	G	NA
AtMSQTsnp 194	3	3679541	1632	3679103	A	NA
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 222	3	15880426	823	15879997	T	NA
AtMSQTsnp 223	3	16489589	2208	16489217	A	NA
AtMSQTsnp 249	4	1055234	482	1055093	A	NA
AtMSQTsnp 260	4	5775707	933	5775541	C	NA
AtMSQTsnp 274	4	9213312	2778	9213072	G	NA
AtMSQTsnp 278	4	9377790	2783	9377549	G	NA
AtMSQTsnp 281	4	10482088	956	10482038	T	NA
AtMSQTsnp 282	4	10659455	505	10659034	T	NA
AtMSQTsnp 286	4	11580143	1019	11579700	NA	C
AtMSQTsnp 294	4	13576588	960	13576336	T	NA
AtMSQTsnp 306	4	16742071	2714	16741855	NA	G
AtMSQTsnp 312	4	17803781	1985	17803605	T	NA
AtMSQTsnp 323	5	872350	532	872097	A	NA
AtMSQTsnp 325	5	1214057	2388	1213621	C	NA
AtMSQTsnp 327	5	1497133	2105	1496987	G	NA
AtMSQTsnp 351	5	5319138	126	5318924	G	NA
AtMSQTsnp 355	5	6708014	547	6707732	G	NA
AtMSQTsnp 358	5	7279057	550	7278798	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 390	5	20215473	970	20214933	C	NA
AtMSQTsnp 395	5	20915321	981	20915132	G	NA
AtMSQTsnp 398	5	22116788	642	22116605	C	NA
AtMSQTsnp 399	5	22414941	146	22414510	G	NA
AtMSQTsnp 412	5	26379972	2302	26379717	NA	A

5.50.3 corresponding ecotype Cvi-0(stkparent=CS22614, ecotype id=6911, duplicate=1)

Table 238: accession id=51 vs ecotype id=6911, duplicate=1(nativename=Cvi-0, stockparent=CS22614)

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

Table 239: detailed difference for accession id=51 vs ecotype id=6911, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 63	1	13712241	345	13711856	NA	C
AtMSQTsnp 126	2	2477756	2192	2477306	NA	G
AtMSQTsnp 130	2	6499679	2098	6499196	NA	T
AtMSQTsnp 140	2	8750047	1072	8749828	-	A
AtMSQTsnp 142	2	9256095	223	9256049	NA	C
AtMSQTsnp 286	4	11580143	1019	11579700	NA	C
AtMSQTsnp 292	4	12404111	2534	12403706	NA	C
AtMSQTsnp 306	4	16742071	2714	16741855	NA	G
AtMSQTsnp 327	5	1497133	2105	1496987	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 412	5	26379972	2302	26379717	NA	A

5.51 strain Lz-0(accession id=52)

5.51.1 corresponding ecotype Lz-0(stkparent=CS22615, ecotype id=8336, duplicate=1)

Table 240: accession id=52 vs ecotype id=8336, duplicate=1(nativename=Lz-0, stockparent=CS22615)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	0	3	1	1	0	0	0	0	0	0
A	0	10	39	0	0	0	0	0	0	0	0	0
C	0	6	0	27	0	0	0	0	0	0	0	0
G	0	8	0	0	23	0	0	0	0	0	0	0
T	0	2	0	1	0	24	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 241: detailed difference for accession id=52 vs ecotype id=8336, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 92	1	24292774	672	24292482	A	NA
AtMSQTsnp 142	2	9256095	223	9256049	NA	C
AtMSQTsnp 145	2	10566917	381	10566416	NA	C
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	C	NA
AtMSQTsnp 159	2	13265124	2127	13265029	T	C
AtMSQTsnp 164	2	14003409	2631	14003272	A	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	A	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 231	3	18590671	883	18590590	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	G	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 321	5	625679	2386	625179	NA	C

AtMSQTsnp 325	5	1214057	2388	1213621	NA	T
AtMSQTsnp 327	5	1497133	2105	1496987	G	NA
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 360	5	7842993	174	7842900	T	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 373	5	15767945	1190	15767914	NA	G
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	G	NA

5.51.2 corresponding ecotype Lz-0(stkparent=CS6788, ecotype id=7219, duplicate=1)

Table 242: accession id=52 vs ecotype id=7219, duplicate=1(nativename=Lz-0, stockparent=CS6788)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	0	4	0	1	0	0	0	0	0	0
A	0	2	47	0	0	0	0	0	0	0	0	0
C	0	1	0	32	0	0	0	0	0	0	0	0
G	0	2	0	0	29	0	0	0	0	0	0	0
T	0	0	0	1	0	26	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 243: detailed difference for accession id=52 vs ecotype id=7219, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 61	1	13395892	1673	13395451	NA	C
AtMSQTsnp 142	2	9256095	223	9256049	NA	C
AtMSQTsnp 145	2	10566917	381	10566416	NA	C
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 159	2	13265124	2127	13265029	T	C
AtMSQTsnp 214	3	9747261	641	9747158	A	NA
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 325	5	1214057	2388	1213621	NA	T
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA

5.51.3 corresponding ecotype Lz-0(stkparent=CS22615, ecotype id=6936, duplicate=1)

Table 244: accession id=52 vs ecotype id=6936, duplicate=1(nativename=Lz-0, stockparent=CS22615)

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

Table 245: detailed difference for accession id=52 vs ecotype id=6936, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 61	1	13395892	1673	13395451	NA	C

AtMSQTsnp 142	2	9256095	223	9256049	NA	C
AtMSQTsnp 145	2	10566917	381	10566416	NA	C
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 159	2	13265124	2127	13265029	T	C
AtMSQTsnp 214	3	9747261	641	9747158	A	NA
AtMSQTsnp 304	4	16272521	2262	16272270	C	NA
AtMSQTsnp 306	4	16742071	2714	16741855	G	NA
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 325	5	1214057	2388	1213621	NA	T
AtMSQTsnp 373	5	15767945	1190	15767914	NA	G
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA

5.52 strain Ei-2(accession id=53)

5.52.1 corresponding ecotype Ei-2(stkparent=CS22616, ecotype id=8289, duplicate=1)

Table 246: accession id=53 vs ecotype id=8289, duplicate=1(nativename=Ei-2, stockparent=CS22616)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	0	4	1	0	0	0	0	0	0	0
A	0	7	32	0	0	0	0	0	0	0	0	0
C	0	6	0	29	0	0	0	0	0	0	0	0
G	0	8	0	0	32	0	0	0	0	0	0	0
T	0	7	0	0	0	21	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 247: detailed difference for accession id=53 vs ecotype id=8289, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	T	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 47	1	9343401	929	9343234	C	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 61	1	13395892	1673	13395451	NA	C
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 87	1	23381760	312	23381443	T	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 129	2	5804076	407	5803805	A	NA
AtMSQTsnp 145	2	10566917	381	10566416	NA	C
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 184	2	18752840	1423	18752604	A	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 231	3	18590671	883	18590590	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	G	NA
AtMSQTsnp 267	4	8297960	499	8297594	T	NA
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 360	5	7842993	174	7842900	T	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.52.2 corresponding ecotype Ei-2(stkparent=CS6689, ecotype id=7112, duplicate=1)

Table 248: accession id=53 vs ecotype id=7112, duplicate=1(nativename=Ei-2, stockparent=CS6689)

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

Table 249: detailed difference for accession id=53 vs ecotype id=7112, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 73	1	20175347	1477	20174753	C	NA
AtMSQTsnp 138	2	8371133	373	8370574	C	CT
AtMSQTsnp 145	2	10566917	381	10566416	NA	C
AtMSQTsnp 146	2	10703371	380	10702850	G	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	AC
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 392	5	20409250	994	20408706	NA	G
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.52.3 corresponding ecotype Ei-2(stkparent=CS22616, ecotype id=6915, duplicate=1)

Table 250: accession id=53 vs ecotype id=6915, duplicate=1(nativename=Ei-2, stockparent=CS22616)

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

Table 251: detailed difference for accession id=53 vs ecotype id=6915, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 73	1	20175347	1477	20174753	C	NA
AtMSQTsnp 138	2	8371133	373	8370574	C	T
AtMSQTsnp 145	2	10566917	381	10566416	NA	C
AtMSQTsnp 146	2	10703371	380	10702850	G	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	AC
AtMSQTsnp 244	3	23053878	1662	23053771	A	NA
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 388	5	19316200	761	19315950	C	NA
AtMSQTsnp 392	5	20409250	994	20408706	NA	G
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.53 strain Gu-0(accession id=54)

5.53.1 corresponding ecotype Gu-0(stkparent=CS22617, ecotype id=8301, duplicate=1)

Table 252: accession id=54 vs ecotype id=8301, duplicate=1(nativename=Gu-0, stockparent=CS22617)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	1	1	0	0	0	0	0	0	0
A	0	7	27	0	0	0	0	0	0	0	0	0
C	0	9	0	30	0	0	0	0	0	0	0	0
G	0	7	0	0	36	0	0	0	0	0	0	0
T	0	5	0	0	0	25	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 253: detailed difference for accession id=54 vs ecotype id=8301, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 47	1	9343401	929	9343234	C	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 129	2	5804076	407	5803805	A	NA
AtMSQTsnp 130	2	6499679	2098	6499196	NA	C
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 235	3	19930624	833	19930188	G	NA
AtMSQTsnp 267	4	8297960	499	8297594	T	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 373	5	15767945	1190	15767914	NA	G
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.53.2 corresponding ecotype Gu-0(stkparent=CS6730, ecotype id=7149, duplicate=1)

Table 254: accession id=54 vs ecotype id=7149, duplicate=1(nativename=Gu-0, stockparent=CS6730)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	1	1	0	0	0	0	0	0	0
A	0	1	32	0	0	0	1	0	0	0	0	0
C	0	1	0	37	0	0	0	0	0	0	1	0
G	0	1	0	0	42	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0

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

Table 255: detailed difference for accession id=54 vs ecotype id=7149, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 130	2	6499679	2098	6499196	NA	C
AtMSQTsnp 138	2	8371133	373	8370574	C	CT
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	AC
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 373	5	15767945	1190	15767914	NA	G

5.53.3 corresponding ecotype Gu-0(stkparent=CS22617, ecotype id=6922, duplicate=1)

Table 256: accession id=54 vs ecotype id=6922, duplicate=1(nativename=Gu-0, stockparent=CS22617)

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

Table 257: detailed difference for accession id=54 vs ecotype id=6922, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 4	1	340810	1095	340398	C	NA
AtMSQTsnp 9	1	1042427	1109	1042028	G	NA
AtMSQTsnp 11	1	1602136	848	1601885	C	NA
AtMSQTsnp 12	1	2211033	964	2210982	A	NA
AtMSQTsnp 22	1	4396087	46	4395913	G	NA
AtMSQTsnp 29	1	5482008	263	5481722	T	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 48	1	9497118	930	9496666	T	NA
AtMSQTsnp 53	1	10423708	948	10423483	C	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 69	1	18340160	1407	18340113	G	NA
AtMSQTsnp 97	1	24893649	1428	24893448	G	NA
AtMSQTsnp 104	1	26794838	665	26794732	C	NA
AtMSQTsnp 108	1	28666837	343	28666569	G	NA
AtMSQTsnp 130	2	6499679	2098	6499196	NA	C
AtMSQTsnp 138	2	8371133	373	8370574	C	NA
AtMSQTsnp 143	2	9428987	376	9428891	C	NA
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 173	2	16908190	728	16908054	G	NA
AtMSQTsnp 194	3	3679541	1632	3679103	T	NA
AtMSQTsnp 214	3	9747261	641	9747158	A	NA
AtMSQTsnp 222	3	15880426	823	15879997	G	NA
AtMSQTsnp 223	3	16489589	2208	16489217	A	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 249	4	1055234	482	1055093	A	NA
AtMSQTsnp 260	4	5775707	933	5775541	A	NA
AtMSQTsnp 274	4	9213312	2778	9213072	G	NA
AtMSQTsnp 278	4	9377790	2783	9377549	G	NA
AtMSQTsnp 281	4	10482088	956	10482038	C	NA
AtMSQTsnp 282	4	10659455	505	10659034	T	NA
AtMSQTsnp 292	4	12404111	2534	12403706	T	NA
AtMSQTsnp 294	4	13576588	960	13576336	G	NA

AtMSQTsnp 312	4	17803781	1985	17803605	T	NA
AtMSQTsnp 323	5	872350	532	872097	G	NA
AtMSQTsnp 325	5	1214057	2388	1213621	C	NA
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 351	5	5319138	126	5318924	G	NA
AtMSQTsnp 355	5	6708014	547	6707732	T	NA
AtMSQTsnp 358	5	7279057	550	7278798	G	NA
AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 373	5	15767945	1190	15767914	NA	G
AtMSQTsnp 390	5	20215473	970	20214933	C	NA
AtMSQTsnp 395	5	20915321	981	20915132	A	NA
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 399	5	22414941	146	22414510	G	NA

5.54 strain Ler-1(accession id=55)

5.54.1 corresponding ecotype Ler-1(stkparent=CS22618, ecotype id=8324, duplicate=1)

Table 258: accession id=55 vs ecotype id=8324, duplicate=1(nativename=Ler-1, stockparent=CS22618)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	0	1	1	1	0	0	0	0	0	0
A	0	10	33	0	0	0	0	0	0	0	0	0
C	0	7	0	19	0	0	0	0	0	0	0	0
G	0	9	0	0	33	0	0	0	0	0	0	0
T	0	5	0	1	0	28	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 259: detailed difference for accession id=55 vs ecotype id=8324, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 21	1	4142539	2625	4142402	NA	T
AtMSQTsnp 27	1	5206767	1014	5206479	G	NA
AtMSQTsnp 30	1	5629159	2156	5628596	T	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 41	1	8015448	855	8014943	C	NA
AtMSQTsnp 47	1	9343401	929	9343234	C	NA
AtMSQTsnp 58	1	12093546	279	12093079	G	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 87	1	23381760	312	23381443	T	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 92	1	24292774	672	24292482	A	NA
AtMSQTsnp 118	2	322335	2465	322253	NA	G
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	C	NA
AtMSQTsnp 159	2	13265124	2127	13265029	T	C
AtMSQTsnp 164	2	14003409	2631	14003272	A	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 184	2	18752840	1423	18752604	A	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 237	3	20483289	1645	20482976	C	NA
AtMSQTsnp 267	4	8297960	499	8297594	C	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	T	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	G	NA

5.54.2 corresponding ecotype Ler-1(stkparent=CS6928, ecotype id=7211, duplicate=1)

Table 260: accession id=55 vs ecotype id=7211, duplicate=1(nativename=Ler-1, stockparent=CS6928)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	0	1	1	1	0	0	0	0	0	0
A	0	7	36	0	0	0	0	0	0	0	0	0
C	0	2	0	24	0	0	0	0	0	0	0	0
G	0	8	0	0	33	0	0	0	0	0	0	1
T	0	2	0	1	0	30	0	0	0	0	1	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 261: detailed difference for accession id=55 vs ecotype id=7211, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 2	1	112907	847	112445	A	NA
AtMSQTsnp 9	1	1042427	1109	1042028	G	GT
AtMSQTsnp 12	1	2211033	964	2210982	G	NA
AtMSQTsnp 21	1	4142539	2625	4142402	NA	T
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 88	1	23395010	1071	23394478	G	NA
AtMSQTsnp 108	1	28666837	343	28666569	A	NA
AtMSQTsnp 114	1	30214313	1800	30213917	G	NA
AtMSQTsnp 118	2	322335	2465	322253	NA	G
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 159	2	13265124	2127	13265029	T	C
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 173	2	16908190	728	16908054	A	NA
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 231	3	18590671	883	18590590	G	NA
AtMSQTsnp 260	4	5775707	933	5775541	A	NA
AtMSQTsnp 274	4	9213312	2778	9213072	T	NA
AtMSQTsnp 288	4	11984772	1376	11984495	A	NA
AtMSQTsnp 304	4	16272521	2262	16272270	T	CT
AtMSQTsnp 306	4	16742071	2714	16741855	G	NA
AtMSQTsnp 312	4	17803781	1985	17803605	T	NA
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 388	5	19316200	761	19315950	C	NA
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA

5.54.3 corresponding ecotype Ler-1(stkparent=CS22618, ecotype id=6932, duplicate=2)

Table 262: accession id=55 vs ecotype id=6932, duplicate=2(nativename=Ler-1, stockparent=CS22618)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	0	1	1	1	0	0	0	0	0	0
A	0	1	42	0	0	0	0	0	0	0	0	0
C	0	0	0	26	0	0	0	0	0	0	0	0
G	0	1	0	0	41	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 263: detailed difference for accession id=55 vs ecotype id=6932, duplicate=2

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 21	1	4142539	2625	4142402	NA	T
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 118	2	322335	2465	322253	NA	G
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 159	2	13265124	2127	13265029	T	C
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C

5.54.4 corresponding ecotype Ler-1(stkparent=CS22618, ecotype id=6932, duplicate=1)

Table 264: accession id=55 vs ecotype id=6932, duplicate=1(nativename=Ler-1, stockparent=CS22618)

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

Table 265: detailed difference for accession id=55 vs ecotype id=6932, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 21	1	4142539	2625	4142402	NA	T
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 61	1	13395892	1673	13395451	NA	C
AtMSQTsnp 118	2	322335	2465	322253	NA	G
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 159	2	13265124	2127	13265029	T	C
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA

5.55 strain Nd-1(accession id=56)

5.55.1 corresponding ecotype Nd-1(stkparent=CS22619, ecotype id=8344, duplicate=1)

Table 266: accession id=56 vs ecotype id=8344, duplicate=1(nativename=Nd-1, stockparent=CS22619)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	0	1	1	1	0	0	0	0	0	0
A	0	8	40	0	0	0	0	0	0	0	0	0
C	0	5	0	30	0	0	0	0	0	0	0	0
G	0	9	0	0	24	0	0	0	0	0	0	0
T	0	3	0	0	0	24	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 267: detailed difference for accession id=56 vs ecotype id=8344, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 47	1	9343401	929	9343234	C	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 87	1	23381760	312	23381443	T	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 129	2	5804076	407	5803805	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	A	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 184	2	18752840	1423	18752604	A	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 235	3	19930624	833	19930188	G	NA
AtMSQTsnp 278	4	9377790	2783	9377549	NA	G
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA
AtMSQTsnp 310	4	17608924	1999	17608717	NA	C
AtMSQTsnp 315	4	18560343	2289	18560103	NA	T
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	G	NA

5.55.2 corresponding ecotype Nd-1(stkparent=CS6922, ecotype id=7267, duplicate=1)

Table 268: accession id=56 vs ecotype id=7267, duplicate=1(nativename=Nd-1, stockparent=CS6922)

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

Table 269: detailed difference for accession id=56 vs ecotype id=7267, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 138	2	8371133	373	8370574	C	CT
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 278	4	9377790	2783	9377549	NA	G
AtMSQTsnp 310	4	17608924	1999	17608717	NA	C
AtMSQTsnp 315	4	18560343	2289	18560103	NA	T

5.55.3 corresponding ecotype Nd-1(stkparent=CS1636, ecotype id=7266, duplicate=1)

Table 270: accession id=56 vs ecotype id=7266, duplicate=1(nativename=Nd-1, stockparent=CS1636)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	2	0	1	0	1	0	0	0	0	0	0
A	0	2	44	0	0	0	1	1	0	0	0	0
C	0	5	0	28	0	0	0	0	0	0	2	0

G	0	7	0	0	26	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 271: detailed difference for accession id=56 vs ecotype id=7266, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 11	1	1602136	848	1601885	C	CT
AtMSQTsnp 12	1	2211033	964	2210982	G	NA
AtMSQTsnp 31	1	5923041	265	5922974	G	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 48	1	9497118	930	9496666	C	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 104	1	26794838	665	26794732	C	NA
AtMSQTsnp 108	1	28666837	343	28666569	A	AG
AtMSQTsnp 138	2	8371133	373	8370574	C	CT
AtMSQTsnp 146	2	10703371	380	10702850	G	NA
AtMSQTsnp 223	3	16489589	2208	16489217	G	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	AC
AtMSQTsnp 260	4	5775707	933	5775541	C	NA
AtMSQTsnp 294	4	13576588	960	13576336	T	NA
AtMSQTsnp 310	4	17608924	1999	17608717	NA	C
AtMSQTsnp 312	4	17803781	1985	17803605	T	NA
AtMSQTsnp 315	4	18560343	2289	18560103	NA	T
AtMSQTsnp 325	5	1214057	2388	1213621	C	NA
AtMSQTsnp 358	5	7279057	550	7278798	A	NA
AtMSQTsnp 370	5	15065196	756	15065018	A	NA
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 399	5	22414941	146	22414510	G	NA

5.55.4 corresponding ecotype Nd-1(stkparent=CS22619, ecotype id=6942, duplicate=1)

Table 272: accession id=56 vs ecotype id=6942, duplicate=1(nativename=Nd-1, stockparent=CS22619)

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

Table 273: detailed difference for accession id=56 vs ecotype id=6942, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 138	2	8371133	373	8370574	C	T
AtMSQTsnp 232	3	18980664	829	18980171	A	AC
AtMSQTsnp 278	4	9377790	2783	9377549	NA	G
AtMSQTsnp 310	4	17608924	1999	17608717	NA	C
AtMSQTsnp 315	4	18560343	2289	18560103	NA	T

5.56 strain C24(accession id=57)

5.56.1 corresponding ecotype C24(stkparent=CS22620, ecotype id=6906, duplicate=1)

Table 274: accession id=57 vs ecotype id=6906, duplicate=1(nativename=C24, stockparent=CS22620)

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

Table 275: detailed difference for accession id=57 vs ecotype id=6906, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 126	2	2477756	2192	2477306	NA	G
AtMSQTsnp 138	2	8371133	373	8370574	C	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 315	4	18560343	2289	18560103	NA	T
AtMSQTsnp 378	5	17171676	1489	17171242	T	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	A

5.56.2 corresponding ecotype C24(stkparent=CS22620, ecotype id=8273, duplicate=1)

Table 276: accession id=57 vs ecotype id=8273, duplicate=1(nativename=C24, stockparent=CS22620)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	1	1	1	1	0	0	0	0	0	0
A	0	7	34	0	0	0	0	0	0	0	0	0
C	0	8	0	25	0	0	0	0	0	0	1	0
G	0	10	0	0	23	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 277: detailed difference for accession id=57 vs ecotype id=8273, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	G	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 41	1	8015448	855	8014943	C	NA
AtMSQTsnp 47	1	9343401	929	9343234	C	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 61	1	13395892	1673	13395451	T	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 87	1	23381760	312	23381443	C	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 126	2	2477756	2192	2477306	NA	G
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 138	2	8371133	373	8370574	C	CT
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	A	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA

AtMSQTsnp 186	3	298210	777	297801	A	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 231	3	18590671	883	18590590	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	G	NA
AtMSQTsnp 278	4	9377790	2783	9377549	G	NA
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA
AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 315	4	18560343	2289	18560103	NA	T
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 378	5	17171676	1489	17171242	T	NA
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	G	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	A

5.56.3 corresponding ecotype C24(stkparent=CS906, ecotype id=7059, duplicate=1)

Table 278: accession id=57 vs ecotype id=7059, duplicate=1(nativename=C24, stockparent=CS906)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	1	1	1	1	0	0	0	0	0	0
A	0	2	39	0	0	0	0	0	0	0	0	0
C	0	0	0	33	0	0	0	0	0	0	1	0
G	0	1	0	0	32	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 279: detailed difference for accession id=57 vs ecotype id=7059, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 61	1	13395892	1673	13395451	T	NA
AtMSQTsnp 126	2	2477756	2192	2477306	NA	G
AtMSQTsnp 138	2	8371133	373	8370574	C	CT
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 315	4	18560343	2289	18560103	NA	T
AtMSQTsnp 378	5	17171676	1489	17171242	T	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	A

5.57 strain N13(accession id=58)

5.57.1 corresponding ecotype N13(stkparent=CS22491, ecotype id=8429, duplicate=1)

Table 280: accession id=58 vs ecotype id=8429, duplicate=1(nativename=N13, stockparent=CS22491)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	2	0	1	1	2	0	0	0	0	0	0
A	0	7	23	0	0	0	0	0	0	0	0	0
C	0	5	0	22	0	0	0	0	0	0	0	0
G	0	7	0	0	35	0	0	0	0	0	0	0
T	0	11	0	0	0	28	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 281: detailed difference for accession id=58 vs ecotype id=8429, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 21	1	4142539	2625	4142402	C	NA
AtMSQTsnp 27	1	5206767	1014	5206479	G	NA
AtMSQTsnp 30	1	5629159	2156	5628596	T	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 41	1	8015448	855	8014943	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	T	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 87	1	23381760	312	23381443	T	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 130	2	6499679	2098	6499196	NA	T
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	T	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 237	3	20483289	1645	20482976	T	NA
AtMSQTsnp 267	4	8297960	499	8297594	T	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 306	4	16742071	2714	16741855	NA	G
AtMSQTsnp 315	4	18560343	2289	18560103	NA	T
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 392	5	20409250	994	20408706	A	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.57.2 corresponding ecotype N13(stkparent=CS22491, ecotype id=7438, duplicate=1)

Table 282: accession id=58 vs ecotype id=7438, duplicate=1(nativename=N13, stockparent=CS22491)

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

Table 283: detailed difference for accession id=58 vs ecotype id=7438, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 18	1	3872591	2224	3872234	C	NA
AtMSQTsnp 27	1	5206767	1014	5206479	G	NA
AtMSQTsnp 30	1	5629159	2156	5628596	T	NA
AtMSQTsnp 31	1	5923041	265	5922974	G	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 38	1	7449598	2136	7449482	A	NA
AtMSQTsnp 40	1	7842523	928	7842440	C	NA
AtMSQTsnp 41	1	8015448	855	8014943	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 54	1	10720273	860	10719833	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA

AtMSQTsnp 60	1	12357583	1973	12357044	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	NA	T
AtMSQTsnp 73	1	20175347	1477	20174753	T	NA
AtMSQTsnp 76	1	21908667	2670	21908157	T	NA
AtMSQTsnp 108	1	28666837	343	28666569	G	NA
AtMSQTsnp 114	1	30214313	1800	30213917	G	NA
AtMSQTsnp 128	2	5021020	1514	5020871	T	NA
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 130	2	6499679	2098	6499196	NA	T
AtMSQTsnp 145	2	10566917	381	10566416	T	NA
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 169	2	15801542	396	15801112	G	GT
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 187	3	580470	55	580026	T	NA
AtMSQTsnp 191	3	2236458	2592	2236406	C	NA
AtMSQTsnp 197	3	4818602	435	4818362	A	NA
AtMSQTsnp 203	3	6890665	73	6890596	A	NA
AtMSQTsnp 222	3	15880426	823	15879997	T	NA
AtMSQTsnp 237	3	20483289	1645	20482976	T	NA
AtMSQTsnp 274	4	9213312	2778	9213072	G	NA
AtMSQTsnp 288	4	11984772	1376	11984495	A	NA
AtMSQTsnp 306	4	16742071	2714	16741855	NA	G
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 334	5	2244739	1995	2244524	C	NA
AtMSQTsnp 343	5	3606967	538	3606683	T	NA
AtMSQTsnp 359	5	7442381	1363	7442039	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 388	5	19316200	761	19315950	C	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.57.3 corresponding ecotype N13(stkparent=CS22621, ecotype id=6941, duplicate=1)

Table 284: accession id=58 vs ecotype id=6941, duplicate=1(nativename=N13, stockparent=CS22621)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	1	1	4	0	0	0	0	0	0
A	0	0	30	0	0	0	0	0	0	0	0	0
C	0	0	0	27	0	0	0	0	0	0	0	0
G	0	2	0	0	40	0	0	0	0	0	0	0
T	0	2	0	0	0	37	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 285: detailed difference for accession id=58 vs ecotype id=6941, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	NA	T
AtMSQTsnp 130	2	6499679	2098	6499196	NA	T
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 306	4	16742071	2714	16741855	NA	G
AtMSQTsnp 315	4	18560343	2289	18560103	NA	T
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 327	5	1497133	2105	1496987	NA	T
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	T	NA

5.58 strain Wei-0(accession id=59)

5.58.1 corresponding ecotype Wei-0(stkparent=CS22622, ecotype id=8404, duplicate=1)

Table 286: accession id=59 vs ecotype id=8404, duplicate=1(nativename=Wei-0, stockparent=CS22622)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	3	0	2	2	3	0	0	0	0	0	0
A	0	13	26	0	0	0	0	0	0	0	0	0
C	0	8	0	26	0	0	0	0	0	0	0	0
G	0	9	0	0	30	0	0	0	0	0	0	0
T	0	5	0	0	0	22	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 287: detailed difference for accession id=59 vs ecotype id=8404, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 8	1	993374	1042	992824	NA	G
AtMSQTsnp 18	1	3872591	2224	3872234	C	NA
AtMSQTsnp 22	1	4396087	46	4395913	A	NA
AtMSQTsnp 27	1	5206767	1014	5206479	G	NA
AtMSQTsnp 30	1	5629159	2156	5628596	T	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 41	1	8015448	855	8014943	C	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 53	1	10423708	948	10423483	NA	T
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 61	1	13395892	1673	13395451	T	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 87	1	23381760	312	23381443	T	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 108	1	28666837	343	28666569	A	NA
AtMSQTsnp 126	2	2477756	2192	2477306	NA	G
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 130	2	6499679	2098	6499196	NA	T
AtMSQTsnp 138	2	8371133	373	8370574	C	NA
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 186	3	298210	777	297801	A	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 237	3	20483289	1645	20482976	C	NA
AtMSQTsnp 260	4	5775707	933	5775541	NA	C
AtMSQTsnp 267	4	8297960	499	8297594	T	NA
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA
AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 325	5	1214057	2388	1213621	NA	T
AtMSQTsnp 327	5	1497133	2105	1496987	G	NA
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 392	5	20409250	994	20408706	A	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.58.2 corresponding ecotype Wei-0(stkparent=CS6182, ecotype id=7402, duplicate=1)

Table 288: accession id=59 vs ecotype id=7402, duplicate=1(nativename=Wei-0, stockparent=CS6182)

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

G	0	2	1	0	35	1	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 289: detailed difference for accession id=59 vs ecotype id=7402, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 8	1	993374	1042	992824	NA	G
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 53	1	10423708	948	10423483	NA	T
AtMSQTsnp 126	2	2477756	2192	2477306	NA	A
AtMSQTsnp 130	2	6499679	2098	6499196	NA	T
AtMSQTsnp 164	2	14003409	2631	14003272	NA	A
AtMSQTsnp 184	2	18752840	1423	18752604	NA	A
AtMSQTsnp 232	3	18980664	829	18980171	A	AC
AtMSQTsnp 260	4	5775707	933	5775541	NA	C
AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 325	5	1214057	2388	1213621	NA	T
AtMSQTsnp 327	5	1497133	2105	1496987	G	NA
AtMSQTsnp 355	5	6708014	547	6707732	G	T
AtMSQTsnp 358	5	7279057	550	7278798	G	A
AtMSQTsnp 372	5	15569205	926	15568698	NA	AG

5.58.3 corresponding ecotype Wei-0(stkparent=CS22622, ecotype id=6979, duplicate=1)

Table 290: accession id=59 vs ecotype id=6979, duplicate=1(nativename=Wei-0, stockparent=CS22622)

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

Table 291: detailed difference for accession id=59 vs ecotype id=6979, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 8	1	993374	1042	992824	NA	G
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 53	1	10423708	948	10423483	NA	T
AtMSQTsnp 126	2	2477756	2192	2477306	NA	AG
AtMSQTsnp 130	2	6499679	2098	6499196	NA	T
AtMSQTsnp 164	2	14003409	2631	14003272	NA	A
AtMSQTsnp 184	2	18752840	1423	18752604	NA	A
AtMSQTsnp 232	3	18980664	829	18980171	A	AC
AtMSQTsnp 260	4	5775707	933	5775541	NA	C
AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 325	5	1214057	2388	1213621	NA	T
AtMSQTsnp 327	5	1497133	2105	1496987	G	NA
AtMSQTsnp 372	5	15569205	926	15568698	NA	G

5.59 strain Ws-0(accession id=60)

5.59.1 corresponding ecotype Ws-0(stkparent=CS6891, ecotype id=7396, duplicate=1)

Table 292: accession id=60 vs ecotype id=7396, duplicate=1(nativename=Ws-0, stockparent=CS6891)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	4	0	1	0	0	0	0	0	0
A	0	2	37	0	0	0	0	0	0	0	0	0
C	0	1	0	23	0	0	0	0	0	0	1	0
G	0	1	0	0	42	0	0	0	0	0	0	0
T	0	3	0	0	0	31	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 293: detailed difference for accession id=60 vs ecotype id=7396, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 63	1	13712241	345	13711856	NA	C
AtMSQTsnp 142	2	9256095	223	9256049	NA	T
AtMSQTsnp 145	2	10566917	381	10566416	NA	C
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 214	3	9747261	641	9747158	A	NA
AtMSQTsnp 267	4	8297960	499	8297594	C	CT
AtMSQTsnp 281	4	10482088	956	10482038	NA	C
AtMSQTsnp 294	4	13576588	960	13576336	T	NA
AtMSQTsnp 321	5	625679	2386	625179	NA	A
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 334	5	2244739	1995	2244524	C	NA
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	T	NA

5.59.2 corresponding ecotype Ws-0(stkparent=CS22623, ecotype id=6980, duplicate=1)

Table 294: accession id=60 vs ecotype id=6980, duplicate=1(nativename=Ws-0, stockparent=CS22623)

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

Table 295: detailed difference for accession id=60 vs ecotype id=6980, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 2	1	112907	847	112445	G	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 54	1	10720273	860	10719833	A	NA
AtMSQTsnp 63	1	13712241	345	13711856	NA	C
AtMSQTsnp 126	2	2477756	2192	2477306	G	NA
AtMSQTsnp 142	2	9256095	223	9256049	NA	T
AtMSQTsnp 145	2	10566917	381	10566416	NA	C
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 214	3	9747261	641	9747158	A	NA
AtMSQTsnp 267	4	8297960	499	8297594	C	CT
AtMSQTsnp 281	4	10482088	956	10482038	NA	C
AtMSQTsnp 294	4	13576588	960	13576336	T	NA
AtMSQTsnp 321	5	625679	2386	625179	NA	A

AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 334	5	2244739	1995	2244524	C	NA
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	T	NA

5.59.3 corresponding ecotype Ws-0(stkparent=CS22623, ecotype id=8405, duplicate=1)

Table 296: accession id=60 vs ecotype id=8405, duplicate=1(nativename=Ws-0, stockparent=CS22623)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	4	0	1	0	0	0	0	0	0
A	0	7	32	0	0	0	0	0	0	0	0	0
C	0	5	0	20	0	0	0	0	0	0	0	0
G	0	10	0	0	33	0	0	0	0	0	0	0
T	0	8	0	0	0	26	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 297: detailed difference for accession id=60 vs ecotype id=8405, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	G	NA
AtMSQTsnp 30	1	5629159	2156	5628596	T	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	G	NA
AtMSQTsnp 60	1	12357583	1973	12357044	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 63	1	13712241	345	13711856	NA	C
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 87	1	23381760	312	23381443	T	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 129	2	5804076	407	5803805	A	NA
AtMSQTsnp 142	2	9256095	223	9256049	NA	T
AtMSQTsnp 145	2	10566917	381	10566416	NA	C
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 184	2	18752840	1423	18752604	A	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 237	3	20483289	1645	20482976	T	NA
AtMSQTsnp 267	4	8297960	499	8297594	C	NA
AtMSQTsnp 281	4	10482088	956	10482038	NA	C
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 321	5	625679	2386	625179	NA	A
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.60 strain Yo-0(accession id=61)

5.60.1 corresponding ecotype Yo-0(stkparent=CS22624, ecotype id=6983, duplicate=1)

Table 298: accession id=61 vs ecotype id=6983, duplicate=1(nativename=Yo-0, stockparent=CS22624)

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

Table 299: detailed difference for accession id=61 vs ecotype id=6983, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 142	2	9256095	223	9256049	NA	C
AtMSQTsnp 145	2	10566917	381	10566416	NA	T
AtMSQTsnp 156	2	12658862	2572	12658576	NA	C
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 325	5	1214057	2388	1213621	NA	T
AtMSQTsnp 392	5	20409250	994	20408706	NA	G

5.60.2 corresponding ecotype Yo-0(stkparent=CS22624, ecotype id=8408, duplicate=1)

Table 300: accession id=61 vs ecotype id=8408, duplicate=1(nativename=Yo-0, stockparent=CS22624)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	2	0	2	0	2	0	0	0	0	0	0
A	0	10	33	0	0	0	0	0	0	0	0	0
C	0	6	0	19	0	0	0	0	0	0	1	0
G	0	8	0	0	34	0	0	0	0	0	0	0
T	0	5	0	0	0	26	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 301: detailed difference for accession id=61 vs ecotype id=8408, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	C	NA
AtMSQTsnp 58	1	12093546	279	12093079	G	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 87	1	23381760	312	23381443	T	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 138	2	8371133	373	8370574	C	CT
AtMSQTsnp 142	2	9256095	223	9256049	NA	C
AtMSQTsnp 145	2	10566917	381	10566416	NA	T
AtMSQTsnp 146	2	10703371	380	10702850	G	NA
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 184	2	18752840	1423	18752604	A	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA

AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 237	3	20483289	1645	20482976	T	NA
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA
AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 325	5	1214057	2388	1213621	NA	T
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 372	5	15569205	926	15568698	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.60.3 corresponding ecotype Yo-0(stkparent=CS6901, ecotype id=7416, duplicate=1)

Table 302: accession id=61 vs ecotype id=7416, duplicate=1(nativename=Yo-0, stockparent=CS6901)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	0	3	1	1	0	0	0	0	0	0
A	0	14	28	0	0	0	0	1	0	0	0	0
C	0	9	0	17	0	0	0	0	0	0	0	0
G	0	17	0	0	25	0	0	0	0	0	0	0
T	0	16	0	0	0	15	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 303: detailed difference for accession id=61 vs ecotype id=7416, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 4	1	340810	1095	340398	C	NA
AtMSQTsnp 9	1	1042427	1109	1042028	G	NA
AtMSQTsnp 11	1	1602136	848	1601885	T	NA
AtMSQTsnp 12	1	2211033	964	2210982	A	NA
AtMSQTsnp 22	1	4396087	46	4395913	G	NA
AtMSQTsnp 29	1	5482008	263	5481722	A	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 40	1	7842523	928	7842440	C	NA
AtMSQTsnp 48	1	9497118	930	9496666	C	NA
AtMSQTsnp 53	1	10423708	948	10423483	T	NA
AtMSQTsnp 54	1	10720273	860	10719833	A	AG
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 76	1	21908667	2670	21908157	T	NA
AtMSQTsnp 97	1	24893649	1428	24893448	C	NA
AtMSQTsnp 101	1	26278413	330	26278221	A	NA
AtMSQTsnp 104	1	26794838	665	26794732	T	NA
AtMSQTsnp 108	1	28666837	343	28666569	A	NA
AtMSQTsnp 118	2	322335	2465	322253	G	NA
AtMSQTsnp 128	2	5021020	1514	5020871	G	NA
AtMSQTsnp 142	2	9256095	223	9256049	NA	C
AtMSQTsnp 143	2	9428987	376	9428891	A	NA
AtMSQTsnp 145	2	10566917	381	10566416	NA	T
AtMSQTsnp 146	2	10703371	380	10702850	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	NA	C
AtMSQTsnp 173	2	16908190	728	16908054	G	NA
AtMSQTsnp 187	3	580470	55	580026	T	NA
AtMSQTsnp 194	3	3679541	1632	3679103	A	NA
AtMSQTsnp 197	3	4818602	435	4818362	G	NA
AtMSQTsnp 203	3	6890665	73	6890596	A	NA
AtMSQTsnp 214	3	9747261	641	9747158	A	NA
AtMSQTsnp 222	3	15880426	823	15879997	G	NA
AtMSQTsnp 223	3	16489589	2208	16489217	G	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 242	3	21632608	138	21632379	C	NA
AtMSQTsnp 249	4	1055234	482	1055093	A	NA
AtMSQTsnp 260	4	5775707	933	5775541	A	NA
AtMSQTsnp 263	4	7077926	495	7077771	T	NA
AtMSQTsnp 274	4	9213312	2778	9213072	T	NA

AtMSQTsnp 278	4	9377790	2783	9377549	G	NA
AtMSQTsnp 279	4	9580049	2788	9579976	T	NA
AtMSQTsnp 281	4	10482088	956	10482038	T	NA
AtMSQTsnp 282	4	10659455	505	10659034	A	NA
AtMSQTsnp 292	4	12404111	2534	12403706	C	NA
AtMSQTsnp 294	4	13576588	960	13576336	T	NA
AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 312	4	17803781	1985	17803605	T	NA
AtMSQTsnp 315	4	18560343	2289	18560103	T	NA
AtMSQTsnp 323	5	872350	532	872097	G	NA
AtMSQTsnp 334	5	2244739	1995	2244524	T	NA
AtMSQTsnp 343	5	3606967	538	3606683	T	NA
AtMSQTsnp 351	5	5319138	126	5318924	G	NA
AtMSQTsnp 355	5	6708014	547	6707732	G	NA
AtMSQTsnp 358	5	7279057	550	7278798	G	NA
AtMSQTsnp 359	5	7442381	1363	7442039	T	NA
AtMSQTsnp 370	5	15065196	756	15065018	A	NA
AtMSQTsnp 373	5	15767945	1190	15767914	A	NA
AtMSQTsnp 390	5	20215473	970	20214933	C	NA
AtMSQTsnp 392	5	20409250	994	20408706	NA	G
AtMSQTsnp 395	5	20915321	981	20915132	G	NA
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 399	5	22414941	146	22414510	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA

5.61 strain Col-0(accession id=62)

5.61.1 corresponding ecotype Col-0(stkparent=CS22625, ecotype id=8279, duplicate=1)

Table 304: accession id=62 vs ecotype id=8279, duplicate=1(nativename=Col-0, stockparent=CS22625)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	0	0	0	0	0	0	0	0	0	0
A	0	11	35	0	0	0	0	0	0	0	0	0
C	0	6	0	27	0	0	0	0	0	0	0	0
G	0	9	0	0	26	0	0	0	0	0	0	0
T	0	7	0	0	0	27	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 305: detailed difference for accession id=62 vs ecotype id=8279, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 41	1	8015448	855	8014943	C	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 87	1	23381760	312	23381443	T	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 129	2	5804076	407	5803805	A	NA
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 237	3	20483289	1645	20482976	C	NA
AtMSQTsnp 267	4	8297960	499	8297594	T	NA
AtMSQTsnp 278	4	9377790	2783	9377549	A	NA
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA

AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 372	5	15569205	926	15568698	G	NA
AtMSQTsnp 392	5	20409250	994	20408706	A	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.61.2 corresponding ecotype Col-0(stkparent=CS6673, ecotype id=7082, duplicate=1)

Table 306: accession id=62 vs ecotype id=7082, duplicate=1(nativename=Col-0, stockparent=CS6673)

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

Table 307: detailed difference for accession id=62 vs ecotype id=7082, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 30	1	5629159	2156	5628596	NA	T
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA

5.61.3 corresponding ecotype Col-0(stkparent=CS22625, ecotype id=6909, duplicate=1)

Table 308: accession id=62 vs ecotype id=6909, duplicate=1(nativename=Col-0, stockparent=CS22625)

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

Table 309: detailed difference for accession id=62 vs ecotype id=6909, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 30	1	5629159	2156	5628596	NA	T
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA

5.62 strain An-1(accession id=63)

5.62.1 corresponding ecotype An-1(stkparent=CS22626, ecotype id=8253, duplicate=1)

Table 310: accession id=63 vs ecotype id=8253, duplicate=1(nativename=An-1, stockparent=CS22626)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	2	0	0	0	0	0	0	0	0	0
A	0	11	36	0	0	0	0	0	0	0	0	0
C	0	10	0	23	0	0	0	0	0	0	0	0
G	0	6	0	0	22	0	0	0	0	0	0	0
T	0	6	0	0	0	31	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 311: detailed difference for accession id=63 vs ecotype id=8253, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 21	1	4142539	2625	4142402	T	NA
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 38	1	7449598	2136	7449482	NA	A
AtMSQTsnp 41	1	8015448	855	8014943	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	C	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 87	1	23381760	312	23381443	T	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 146	2	10703371	380	10702850	C	NA
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	C	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	A	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 203	3	6890665	73	6890596	NA	A
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 231	3	18590671	883	18590590	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 237	3	20483289	1645	20482976	C	NA
AtMSQTsnp 267	4	8297960	499	8297594	T	NA
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 372	5	15569205	926	15568698	G	NA
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.62.2 corresponding ecotype An-1(stkparent=CS6603, ecotype id=6995, duplicate=1)

Table 312: accession id=63 vs ecotype id=6995, duplicate=1(nativename=An-1, stockparent=CS6603)

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

T	0	2	0	0	0	35	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 313: detailed difference for accession id=63 vs ecotype id=6995, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 38	1	7449598	2136	7449482	NA	A
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 146	2	10703371	380	10702850	C	NA
AtMSQTsnp 188	3	2072780	649	2072648	T	NA
AtMSQTsnp 203	3	6890665	73	6890596	NA	A

5.62.3 corresponding ecotype An-1(stkparent=CS22626, ecotype id=6898, duplicate=1)

Table 314: accession id=63 vs ecotype id=6898, duplicate=1(nativename=An-1, stockparent=CS22626)

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

Table 315: detailed difference for accession id=63 vs ecotype id=6898, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 38	1	7449598	2136	7449482	NA	A
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 146	2	10703371	380	10702850	C	NA
AtMSQTsnp 203	3	6890665	73	6890596	NA	A

5.63 strain Van-0(accession id=64)

5.63.1 corresponding ecotype Van-0(stkparent=CS22627, ecotype id=6977, duplicate=1)

Table 316: accession id=64 vs ecotype id=6977, duplicate=1(nativename=Van-0, stockparent=CS22627)

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

Table 317: detailed difference for accession id=64 vs ecotype id=6977, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 8	1	993374	1042	992824	AG	G
AtMSQTsnp 10	1	1149280	1467	1149096	G	NA
AtMSQTsnp 11	1	1602136	848	1601885	CT	T
AtMSQTsnp 12	1	2211033	964	2210982	G	A
AtMSQTsnp 18	1	3872591	2224	3872234	C	NA
AtMSQTsnp 21	1	4142539	2625	4142402	T	NA
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 29	1	5482008	263	5481722	AT	A
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 38	1	7449598	2136	7449482	C	NA
AtMSQTsnp 41	1	8015448	855	8014943	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 49	1	9781347	1018	9781260	NA	T
AtMSQTsnp 58	1	12093546	279	12093079	CG	NA
AtMSQTsnp 63	1	13712241	345	13711856	AC	A
AtMSQTsnp 65	1	16874727	290	16874305	AG	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 73	1	20175347	1477	20174753	C	NA
AtMSQTsnp 87	1	23381760	312	23381443	CT	NA
AtMSQTsnp 90	1	23893336	69	23893276	CT	C
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 97	1	24893649	1428	24893448	CG	C
AtMSQTsnp 101	1	26278413	330	26278221	AG	A
AtMSQTsnp 108	1	28666837	343	28666569	AG	G
AtMSQTsnp 129	2	5804076	407	5803805	AG	NA
AtMSQTsnp 142	2	9256095	223	9256049	NA	T
AtMSQTsnp 145	2	10566917	381	10566416	C	NA
AtMSQTsnp 146	2	10703371	380	10702850	NA	G
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 174	2	17121378	2453	17121159	NA	A
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 188	3	2072780	649	2072648	CT	C
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 194	3	3679541	1632	3679103	AT	T
AtMSQTsnp 197	3	4818602	435	4818362	AG	A
AtMSQTsnp 203	3	6890665	73	6890596	AT	A
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 214	3	9747261	641	9747158	AG	A
AtMSQTsnp 220	3	11398207	1053	11398071	G	A
AtMSQTsnp 235	3	19930624	833	19930188	G	NA
AtMSQTsnp 237	3	20483289	1645	20482976	CT	NA
AtMSQTsnp 242	3	21632608	138	21632379	CT	C
AtMSQTsnp 260	4	5775707	933	5775541	AC	A
AtMSQTsnp 266	4	8078648	238	8078388	GT	T
AtMSQTsnp 267	4	8297960	499	8297594	CT	NA
AtMSQTsnp 281	4	10482088	956	10482038	C	T
AtMSQTsnp 285	4	11326190	507	11325921	CT	T
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 323	5	872350	532	872097	AG	A
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 359	5	7442381	1363	7442039	GT	G
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 373	5	15767945	1190	15767914	NA	G
AtMSQTsnp 378	5	17171676	1489	17171242	CG	C
AtMSQTsnp 379	5	17629384	2039	17629093	G	NA
AtMSQTsnp 390	5	20215473	970	20214933	CT	T
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 395	5	20915321	981	20915132	AG	A
AtMSQTsnp 397	5	22040877	992	22040690	GT	T
AtMSQTsnp 406	5	23815848	978	23815354	G	NA
AtMSQTsnp 410	5	26120955	596	26120843	AG	G

5.63.2 corresponding ecotype Van-0(stkparent=CS22627, ecotype id=8400, duplicate=1)

Table 318: accession id=64 vs ecotype id=8400, duplicate=1(nativename=Van-0, stockparent=CS22627)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	2	2	1	2	2	0	0	0	0	0	0
A	0	5	23	0	0	0	0	0	0	0	0	0
C	0	5	0	16	0	1	0	0	0	0	0	0
G	0	7	2	0	24	0	0	0	0	0	0	0
T	0	4	0	0	0	23	0	0	0	0	0	0
AC	0	0	2	0	0	0	0	0	0	0	0	0
AG	0	1	6	0	3	0	0	0	0	0	0	0
AT	0	0	2	0	0	1	0	0	0	0	0	0
CG	0	1	0	2	0	0	0	0	0	0	0	0
CT	0	1	0	5	0	3	0	0	0	0	0	0
GT	0	0	0	0	1	2	0	0	0	0	0	0

Table 319: detailed difference for accession id=64 vs ecotype id=8400, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 8	1	993374	1042	992824	AG	G
AtMSQTsnp 11	1	1602136	848	1601885	CT	T
AtMSQTsnp 12	1	2211033	964	2210982	G	A
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 29	1	5482008	263	5481722	AT	A
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 49	1	9781347	1018	9781260	NA	T
AtMSQTsnp 58	1	12093546	279	12093079	CG	NA
AtMSQTsnp 63	1	13712241	345	13711856	AC	A
AtMSQTsnp 65	1	16874727	290	16874305	AG	A
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 87	1	23381760	312	23381443	CT	C
AtMSQTsnp 90	1	23893336	69	23893276	CT	C
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 97	1	24893649	1428	24893448	CG	C
AtMSQTsnp 101	1	26278413	330	26278221	AG	A
AtMSQTsnp 108	1	28666837	343	28666569	AG	G
AtMSQTsnp 129	2	5804076	407	5803805	AG	NA
AtMSQTsnp 142	2	9256095	223	9256049	NA	T
AtMSQTsnp 146	2	10703371	380	10702850	NA	G
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 174	2	17121378	2453	17121159	NA	A
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 188	3	2072780	649	2072648	CT	C
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 194	3	3679541	1632	3679103	AT	T
AtMSQTsnp 197	3	4818602	435	4818362	AG	A
AtMSQTsnp 203	3	6890665	73	6890596	AT	A
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 214	3	9747261	641	9747158	AG	A
AtMSQTsnp 220	3	11398207	1053	11398071	G	A
AtMSQTsnp 235	3	19930624	833	19930188	G	NA
AtMSQTsnp 237	3	20483289	1645	20482976	CT	NA
AtMSQTsnp 242	3	21632608	138	21632379	CT	C
AtMSQTsnp 260	4	5775707	933	5775541	AC	A
AtMSQTsnp 266	4	8078648	238	8078388	GT	T
AtMSQTsnp 267	4	8297960	499	8297594	CT	C
AtMSQTsnp 281	4	10482088	956	10482038	C	T
AtMSQTsnp 285	4	11326190	507	11325921	CT	T
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 323	5	872350	532	872097	AG	A
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 359	5	7442381	1363	7442039	GT	G
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 373	5	15767945	1190	15767914	NA	G
AtMSQTsnp 378	5	17171676	1489	17171242	CG	C
AtMSQTsnp 390	5	20215473	970	20214933	CT	T
AtMSQTsnp 392	5	20409250	994	20408706	G	NA

AtMSQTsnp 395	5	20915321	981	20915132	AG	A
AtMSQTsnp 397	5	22040877	992	22040690	GT	T
AtMSQTsnp 406	5	23815848	978	23815354	G	NA
AtMSQTsnp 410	5	26120955	596	26120843	AG	G

5.63.3 corresponding ecotype Van-0(stkparent=CS6884, ecotype id=7383, duplicate=1)

Table 320: accession id=64 vs ecotype id=7383, duplicate=1(nativename=Van-0, stockparent=CS6884)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	3	1	3	2	0	0	0	0	0	0
A	0	0	27	1	0	0	0	0	0	0	0	0
C	0	2	0	19	0	1	0	0	0	0	0	0
G	0	1	3	0	29	0	0	0	0	0	0	0
T	0	2	1	0	0	24	0	0	0	0	0	0
AC	0	0	2	0	0	0	0	0	0	0	0	0
AG	0	1	6	0	3	0	0	0	0	0	0	0
AT	0	0	2	0	0	1	0	0	0	0	0	0
CG	0	0	0	2	1	0	0	0	0	0	0	0
CT	0	0	0	5	0	4	0	0	0	0	0	0
GT	0	0	0	0	1	2	0	0	0	0	0	0

Table 321: detailed difference for accession id=64 vs ecotype id=7383, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 8	1	993374	1042	992824	AG	G
AtMSQTsnp 11	1	1602136	848	1601885	CT	T
AtMSQTsnp 12	1	2211033	964	2210982	G	A
AtMSQTsnp 29	1	5482008	263	5481722	AT	A
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 38	1	7449598	2136	7449482	C	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	C
AtMSQTsnp 49	1	9781347	1018	9781260	NA	T
AtMSQTsnp 54	1	10720273	860	10719833	G	NA
AtMSQTsnp 58	1	12093546	279	12093079	CG	G
AtMSQTsnp 60	1	12357583	1973	12357044	NA	A
AtMSQTsnp 63	1	13712241	345	13711856	AC	A
AtMSQTsnp 65	1	16874727	290	16874305	AG	A
AtMSQTsnp 87	1	23381760	312	23381443	CT	C
AtMSQTsnp 90	1	23893336	69	23893276	CT	C
AtMSQTsnp 92	1	24292774	672	24292482	G	A
AtMSQTsnp 97	1	24893649	1428	24893448	CG	C
AtMSQTsnp 101	1	26278413	330	26278221	AG	A
AtMSQTsnp 108	1	28666837	343	28666569	AG	G
AtMSQTsnp 129	2	5804076	407	5803805	AG	A
AtMSQTsnp 142	2	9256095	223	9256049	NA	T
AtMSQTsnp 146	2	10703371	380	10702850	NA	G
AtMSQTsnp 155	2	12657149	38	12656716	NA	G
AtMSQTsnp 174	2	17121378	2453	17121159	NA	A
AtMSQTsnp 184	2	18752840	1423	18752604	T	A
AtMSQTsnp 188	3	2072780	649	2072648	CT	C
AtMSQTsnp 194	3	3679541	1632	3679103	AT	T
AtMSQTsnp 197	3	4818602	435	4818362	AG	A
AtMSQTsnp 203	3	6890665	73	6890596	AT	A
AtMSQTsnp 214	3	9747261	641	9747158	AG	NA
AtMSQTsnp 220	3	11398207	1053	11398071	G	A
AtMSQTsnp 237	3	20483289	1645	20482976	CT	T
AtMSQTsnp 242	3	21632608	138	21632379	CT	C
AtMSQTsnp 260	4	5775707	933	5775541	AC	A
AtMSQTsnp 266	4	8078648	238	8078388	GT	T
AtMSQTsnp 267	4	8297960	499	8297594	CT	C
AtMSQTsnp 281	4	10482088	956	10482038	C	T
AtMSQTsnp 285	4	11326190	507	11325921	CT	T
AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 323	5	872350	532	872097	AG	A
AtMSQTsnp 359	5	7442381	1363	7442039	GT	G
AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 373	5	15767945	1190	15767914	NA	G
AtMSQTsnp 378	5	17171676	1489	17171242	CG	C
AtMSQTsnp 390	5	20215473	970	20214933	CT	T
AtMSQTsnp 395	5	20915321	981	20915132	AG	A
AtMSQTsnp 397	5	22040877	992	22040690	GT	T

AtMSQTsnp 398	5	22116788	642	22116605	C	NA
AtMSQTsnp 409	5	26029439	2404	26029366	T	NA
AtMSQTsnp 410	5	26120955	596	26120843	AG	G

5.64 strain Br-0(accession id=65)

5.64.1 corresponding ecotype Br-0(stkparent=CS6626, ecotype id=7027, duplicate=1)

Table 322: accession id=65 vs ecotype id=7027, duplicate=1(nativename=Br-0, stockparent=CS6626)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	2	0	1	1	1	0	0	0	0	0	0
A	0	8	34	0	0	0	0	0	0	0	0	0
C	0	5	0	29	0	1	0	0	0	0	1	0
G	0	3	0	0	34	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 323: detailed difference for accession id=65 vs ecotype id=7027, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 8	1	993374	1042	992824	NA	G
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 62	1	13541648	808	13541490	A	NA
AtMSQTsnp 73	1	20175347	1477	20174753	C	NA
AtMSQTsnp 126	2	2477756	2192	2477306	A	NA
AtMSQTsnp 138	2	8371133	373	8370574	C	T
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 164	2	14003409	2631	14003272	NA	C
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 184	2	18752840	1423	18752604	NA	T
AtMSQTsnp 188	3	2072780	649	2072648	T	NA
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 231	3	18590671	883	18590590	A	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 267	4	8297960	499	8297594	C	CT
AtMSQTsnp 288	4	11984772	1376	11984495	A	NA
AtMSQTsnp 321	5	625679	2386	625179	C	NA
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 398	5	22116788	642	22116605	C	NA
AtMSQTsnp 406	5	23815848	978	23815354	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA
AtMSQTsnp 412	5	26379972	2302	26379717	A	NA

5.64.2 corresponding ecotype Br-0(stkparent=CS22628, ecotype id=6904, duplicate=1)

Table 324: accession id=65 vs ecotype id=6904, duplicate=1(nativename=Br-0, stockparent=CS22628)

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

Table 325: detailed difference for accession id=65 vs ecotype id=6904, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 8	1	993374	1042	992824	NA	G
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 54	1	10720273	860	10719833	G	NA
AtMSQTsnp 164	2	14003409	2631	14003272	NA	C
AtMSQTsnp 184	2	18752840	1423	18752604	NA	T
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 267	4	8297960	499	8297594	C	CT
AtMSQTsnp 304	4	16272521	2262	16272270	NA	T
AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 398	5	22116788	642	22116605	C	NA
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA

5.64.3 corresponding ecotype Br-0(stkparent=CS22628, ecotype id=8269, duplicate=1)

Table 326: accession id=65 vs ecotype id=8269, duplicate=1(nativename=Br-0, stockparent=CS22628)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	2	0	1	1	1	0	0	0	0	0	0
A	0	11	31	0	0	0	0	0	0	0	0	0
C	0	14	0	22	0	0	0	0	0	0	0	0
G	0	11	0	0	26	0	0	0	0	0	0	0
T	0	3	0	0	0	25	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 327: detailed difference for accession id=65 vs ecotype id=8269, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 8	1	993374	1042	992824	NA	G
AtMSQTsnp 18	1	3872591	2224	3872234	C	NA
AtMSQTsnp 21	1	4142539	2625	4142402	C	NA
AtMSQTsnp 22	1	4396087	46	4395913	A	NA
AtMSQTsnp 27	1	5206767	1014	5206479	G	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 41	1	8015448	855	8014943	C	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 65	1	16874727	290	16874305	A	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 73	1	20175347	1477	20174753	C	NA
AtMSQTsnp 87	1	23381760	312	23381443	C	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 108	1	28666837	343	28666569	A	NA
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 145	2	10566917	381	10566416	T	NA
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 186	3	298210	777	297801	A	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 231	3	18590671	883	18590590	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	G	NA
AtMSQTsnp 237	3	20483289	1645	20482976	C	NA
AtMSQTsnp 267	4	8297960	499	8297594	C	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 304	4	16272521	2262	16272270	NA	T

AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 379	5	17629384	2039	17629093	A	NA
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	G	NA

5.65 strain Est-1(accession id=66)

5.65.1 corresponding ecotype Est-1(stkparent=CS22629, ecotype id=8291, duplicate=1)

Table 328: accession id=66 vs ecotype id=8291, duplicate=1(nativename=Est-1, stockparent=CS22629)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	3	2	2	2	1	0	0	0	0	0	0
A	0	9	29	0	0	0	0	0	0	0	0	0
C	0	4	0	28	0	0	0	0	0	0	0	0
G	0	7	0	0	25	0	0	0	0	0	0	0
T	0	8	0	0	0	28	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 329: detailed difference for accession id=66 vs ecotype id=8291, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 21	1	4142539	2625	4142402	T	NA
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	T	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 88	1	23395010	1071	23394478	NA	G
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 142	2	9256095	223	9256049	NA	C
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 231	3	18590671	883	18590590	A	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 260	4	5775707	933	5775541	NA	A
AtMSQTsnp 267	4	8297960	499	8297594	T	NA
AtMSQTsnp 281	4	10482088	956	10482038	NA	T
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 304	4	16272521	2262	16272270	NA	C
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 392	5	20409250	994	20408706	A	NA
AtMSQTsnp 406	5	23815848	978	23815354	G	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.65.2 corresponding ecotype Est-1(stkparent=CS6701, ecotype id=7129, duplicate=1)

Table 330: accession id=66 vs ecotype id=7129, duplicate=1(nativename=Est-1, stockparent=CS6701)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	2	2	3	2	0	0	0	0	0	0
A	0	3	35	0	0	0	0	0	0	0	0	0
C	0	1	1	30	0	0	0	0	0	0	0	0
G	0	0	0	0	32	0	0	0	0	0	0	0
T	0	2	0	0	0	34	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 331: detailed difference for accession id=66 vs ecotype id=7129, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 30	1	5629159	2156	5628596	NA	T
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	T	NA
AtMSQTsnp 88	1	23395010	1071	23394478	NA	G
AtMSQTsnp 138	2	8371133	373	8370574	C	NA
AtMSQTsnp 142	2	9256095	223	9256049	NA	C
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	A
AtMSQTsnp 231	3	18590671	883	18590590	A	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 260	4	5775707	933	5775541	NA	A
AtMSQTsnp 281	4	10482088	956	10482038	NA	T
AtMSQTsnp 304	4	16272521	2262	16272270	NA	C
AtMSQTsnp 360	5	7842993	174	7842900	NA	G
AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.65.3 corresponding ecotype Est-1(stkparent=CS22629, ecotype id=6916, duplicate=1)

Table 332: accession id=66 vs ecotype id=6916, duplicate=1(nativename=Est-1, stockparent=CS22629)

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

Table 333: detailed difference for accession id=66 vs ecotype id=6916, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 30	1	5629159	2156	5628596	NA	T
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 88	1	23395010	1071	23394478	NA	G
AtMSQTsnp 138	2	8371133	373	8370574	C	NA
AtMSQTsnp 142	2	9256095	223	9256049	NA	C
AtMSQTsnp 164	2	14003409	2631	14003272	C	A
AtMSQTsnp 232	3	18980664	829	18980171	A	AC
AtMSQTsnp 260	4	5775707	933	5775541	NA	A
AtMSQTsnp 281	4	10482088	956	10482038	NA	T
AtMSQTsnp 304	4	16272521	2262	16272270	NA	C
AtMSQTsnp 360	5	7842993	174	7842900	NA	G

AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.66 strain Ag-0(accession id=67)

5.66.1 corresponding ecotype Ag-0(stkparent=CS22630, ecotype id=8251, duplicate=1)

Table 334: accession id=67 vs ecotype id=8251, duplicate=1(nativename=Ag-0, stockparent=CS22630)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	4	2	3	0	0	0	0	0	0	0	0
A	0	6	30	0	0	0	0	0	0	0	0	0
C	0	6	0	27	0	0	0	0	0	0	0	0
G	0	12	0	0	28	0	0	0	0	0	0	0
T	0	3	0	0	0	27	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 335: detailed difference for accession id=67 vs ecotype id=8251, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 21	1	4142539	2625	4142402	C	NA
AtMSQTsnp 27	1	5206767	1014	5206479	G	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 47	1	9343401	929	9343234	C	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	T	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 145	2	10566917	381	10566416	NA	C
AtMSQTsnp 146	2	10703371	380	10702850	G	NA
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	C	NA
AtMSQTsnp 164	2	14003409	2631	14003272	A	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 174	2	17121378	2453	17121159	NA	A
AtMSQTsnp 184	2	18752840	1423	18752604	A	NA
AtMSQTsnp 186	3	298210	777	297801	A	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 205	3	7392098	91	7391896	T	NA
AtMSQTsnp 231	3	18590671	883	18590590	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	G	NA
AtMSQTsnp 242	3	21632608	138	21632379	NA	C
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA
AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 372	5	15569205	926	15568698	G	NA
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	G	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	A

5.66.2 corresponding ecotype Ag-0(stkparent=CS6601, ecotype id=6999, duplicate=1)

Table 336: accession id=67 vs ecotype id=6999, duplicate=1(nativename=Ag-0, stockparent=CS6601)

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

G	0	2	0	0	38	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 337: detailed difference for accession id=67 vs ecotype id=6999, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 30	1	5629159	2156	5628596	NA	T
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 145	2	10566917	381	10566416	NA	C
AtMSQTsnp 174	2	17121378	2453	17121159	NA	A
AtMSQTsnp 214	3	9747261	641	9747158	A	NA
AtMSQTsnp 242	3	21632608	138	21632379	NA	C
AtMSQTsnp 267	4	8297960	499	8297594	C	CT
AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 327	5	1497133	2105	1496987	NA	T
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	T	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	A

5.66.3 corresponding ecotype Ag-0(stkparent=CS22630, ecotype id=6897, duplicate=1)

Table 338: accession id=67 vs ecotype id=6897, duplicate=1(nativename=Ag-0, stockparent=CS22630)

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

Table 339: detailed difference for accession id=67 vs ecotype id=6897, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 30	1	5629159	2156	5628596	NA	T
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 40	1	7842523	928	7842440	C	NA
AtMSQTsnp 49	1	9781347	1018	9781260	C	NA
AtMSQTsnp 73	1	20175347	1477	20174753	C	NA
AtMSQTsnp 118	2	322335	2465	322253	A	NA
AtMSQTsnp 129	2	5804076	407	5803805	NA	G
AtMSQTsnp 140	2	8750047	1072	8749828	A	NA
AtMSQTsnp 145	2	10566917	381	10566416	NA	C
AtMSQTsnp 174	2	17121378	2453	17121159	NA	A
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 267	4	8297960	499	8297594	C	CT
AtMSQTsnp 279	4	9580049	2788	9579976	T	NA
AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 315	4	18560343	2289	18560103	T	AT
AtMSQTsnp 327	5	1497133	2105	1496987	NA	T
AtMSQTsnp 370	5	15065196	756	15065018	G	NA
AtMSQTsnp 372	5	15569205	926	15568698	G	NA
AtMSQTsnp 378	5	17171676	1489	17171242	G	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	A

5.67 strain Gy-0(accession id=68)

5.67.1 corresponding ecotype Gy-0(stkparent=CS6732, ecotype id=7421, duplicate=1)

Table 340: accession id=68 vs ecotype id=7421, duplicate=1(nativename=Gy-0, stockparent=CS6732)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	1	0	1	0	0	0	0	0	0
A	0	0	45	0	0	0	0	0	0	0	0	0
C	0	2	1	27	0	0	0	0	0	0	0	0
G	0	2	0	0	36	0	0	0	0	0	0	0
T	0	0	0	0	0	33	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 341: detailed difference for accession id=68 vs ecotype id=7421, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 146	2	10703371	380	10702850	C	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	A
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 325	5	1214057	2388	1213621	NA	T
AtMSQTsnp 327	5	1497133	2105	1496987	G	NA

5.67.2 corresponding ecotype Gy-0(stkparent=CS22631, ecotype id=8302, duplicate=1)

Table 342: accession id=68 vs ecotype id=8302, duplicate=1(nativename=Gy-0, stockparent=CS22631)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	1	0	1	0	0	0	0	0	0
A	0	11	34	0	0	0	0	0	0	0	0	0
C	0	10	0	20	0	0	0	0	0	0	0	0
G	0	10	0	0	28	0	0	0	0	0	0	0
T	0	6	0	0	0	27	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 343: detailed difference for accession id=68 vs ecotype id=8302, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 18	1	3872591	2224	3872234	C	NA
AtMSQTsnp 21	1	4142539	2625	4142402	C	NA
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	T	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 41	1	8015448	855	8014943	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	G	NA
AtMSQTsnp 60	1	12357583	1973	12357044	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 87	1	23381760	312	23381443	C	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 129	2	5804076	407	5803805	A	NA
AtMSQTsnp 146	2	10703371	380	10702850	C	NA

AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	C	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	A	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 205	3	7392098	91	7391896	T	NA
AtMSQTsnp 231	3	18590671	883	18590590	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	G	NA
AtMSQTsnp 237	3	20483289	1645	20482976	C	NA
AtMSQTsnp 267	4	8297960	499	8297594	T	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 325	5	1214057	2388	1213621	NA	T
AtMSQTsnp 327	5	1497133	2105	1496987	G	NA
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 372	5	15569205	926	15568698	G	NA
AtMSQTsnp 379	5	17629384	2039	17629093	A	NA
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.67.3 corresponding ecotype Gy-0(stkparent=CS22631, ecotype id=8214, duplicate=1)

Table 344: accession id=68 vs ecotype id=8214, duplicate=1(nativename=Gy-0, stockparent=CS22631)

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

Table 345: detailed difference for accession id=68 vs ecotype id=8214, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 73	1	20175347	1477	20174753	C	NA
AtMSQTsnp 146	2	10703371	380	10702850	C	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	A
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 325	5	1214057	2388	1213621	NA	T
AtMSQTsnp 327	5	1497133	2105	1496987	G	NA

5.68 strain Ra-0(accession id=69)

5.68.1 corresponding ecotype Ra-0(stkparent=CS22632, ecotype id=8364, duplicate=1)

Table 346: accession id=69 vs ecotype id=8364, duplicate=1(nativename=Ra-0, stockparent=CS22632)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	2	2	1	1	0	0	0	0	0	0
A	0	11	27	1	0	0	0	0	0	0	0	0
C	0	9	0	28	0	1	0	0	0	0	0	0
G	0	7	1	0	35	0	0	0	0	0	0	0
T	0	4	0	0	0	16	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0

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

Table 347: detailed difference for accession id=69 vs ecotype id=8364, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 18	1	3872591	2224	3872234	C	NA
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 47	1	9343401	929	9343234	C	NA
AtMSQTsnp 58	1	12093546	279	12093079	G	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 87	1	23381760	312	23381443	T	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 118	2	322335	2465	322253	NA	A
AtMSQTsnp 142	2	9256095	223	9256049	NA	C
AtMSQTsnp 145	2	10566917	381	10566416	NA	C
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 184	2	18752840	1423	18752604	A	NA
AtMSQTsnp 186	3	298210	777	297801	A	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 223	3	16489589	2208	16489217	G	A
AtMSQTsnp 231	3	18590671	883	18590590	A	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	G	NA
AtMSQTsnp 237	3	20483289	1645	20482976	T	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 321	5	625679	2386	625179	A	C
AtMSQTsnp 325	5	1214057	2388	1213621	NA	T
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 334	5	2244739	1995	2244524	C	T
AtMSQTsnp 360	5	7842993	174	7842900	T	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 373	5	15767945	1190	15767914	NA	G
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.68.2 corresponding ecotype Ra-0(stkparent=CS6844, ecotype id=7312, duplicate=1)

Table 348: accession id=69 vs ecotype id=7312, duplicate=1(nativename=Ra-0, stockparent=CS6844)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	2	2	1	1	0	0	0	0	0	0
A	0	5	32	1	0	0	1	0	0	0	0	0
C	0	2	1	34	0	1	0	0	0	0	0	0
G	0	8	0	0	35	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 349: detailed difference for accession id=69 vs ecotype id=7312, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 9	1	1042427	1109	1042028	G	NA
AtMSQTsnp 12	1	2211033	964	2210982	A	NA
AtMSQTsnp 22	1	4396087	46	4395913	G	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 108	1	28666837	343	28666569	A	NA
AtMSQTsnp 118	2	322335	2465	322253	NA	A
AtMSQTsnp 142	2	9256095	223	9256049	NA	C
AtMSQTsnp 145	2	10566917	381	10566416	NA	C
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	A
AtMSQTsnp 173	2	16908190	728	16908054	A	NA
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 222	3	15880426	823	15879997	G	NA
AtMSQTsnp 223	3	16489589	2208	16489217	G	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	AC
AtMSQTsnp 274	4	9213312	2778	9213072	T	NA
AtMSQTsnp 292	4	12404111	2534	12403706	C	NA
AtMSQTsnp 294	4	13576588	960	13576336	G	NA
AtMSQTsnp 321	5	625679	2386	625179	A	C
AtMSQTsnp 325	5	1214057	2388	1213621	NA	T
AtMSQTsnp 334	5	2244739	1995	2244524	C	T
AtMSQTsnp 351	5	5319138	126	5318924	A	NA
AtMSQTsnp 355	5	6708014	547	6707732	G	NA
AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 373	5	15767945	1190	15767914	NA	G

5.68.3 corresponding ecotype Ra-0(stkparent=CS22632, ecotype id=6958, duplicate=1)

Table 350: accession id=69 vs ecotype id=6958, duplicate=1(nativename=Ra-0, stockparent=CS22632)

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

Table 351: detailed difference for accession id=69 vs ecotype id=6958, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 4	1	340810	1095	340398	A	NA
AtMSQTsnp 9	1	1042427	1109	1042028	G	NA
AtMSQTsnp 11	1	1602136	848	1601885	C	NA
AtMSQTsnp 12	1	2211033	964	2210982	A	NA
AtMSQTsnp 22	1	4396087	46	4395913	G	NA
AtMSQTsnp 29	1	5482008	263	5481722	T	NA
AtMSQTsnp 31	1	5923041	265	5922974	G	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 40	1	7842523	928	7842440	C	NA
AtMSQTsnp 48	1	9497118	930	9496666	T	NA
AtMSQTsnp 49	1	9781347	1018	9781260	C	NA
AtMSQTsnp 53	1	10423708	948	10423483	C	NA
AtMSQTsnp 54	1	10720273	860	10719833	G	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 69	1	18340160	1407	18340113	G	NA
AtMSQTsnp 76	1	21908667	2670	21908157	C	NA
AtMSQTsnp 97	1	24893649	1428	24893448	C	NA
AtMSQTsnp 101	1	26278413	330	26278221	G	NA
AtMSQTsnp 104	1	26794838	665	26794732	C	NA
AtMSQTsnp 108	1	28666837	343	28666569	A	NA
AtMSQTsnp 126	2	2477756	2192	2477306	G	NA
AtMSQTsnp 128	2	5021020	1514	5020871	G	NA
AtMSQTsnp 140	2	8750047	1072	8749828	C	NA
AtMSQTsnp 143	2	9428987	376	9428891	A	NA

AtMSQTsnp 145	2	10566917	381	10566416	NA	C
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	A
AtMSQTsnp 173	2	16908190	728	16908054	A	NA
AtMSQTsnp 177	2	17859964	118	17859576	G	NA
AtMSQTsnp 187	3	580470	55	580026	A	NA
AtMSQTsnp 188	3	2072780	649	2072648	C	NA
AtMSQTsnp 191	3	2236458	2592	2236406	A	NA
AtMSQTsnp 194	3	3679541	1632	3679103	T	NA
AtMSQTsnp 197	3	4818602	435	4818362	A	NA
AtMSQTsnp 198	3	5235571	1612	5235221	T	NA
AtMSQTsnp 203	3	6890665	73	6890596	A	NA
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 222	3	15880426	823	15879997	G	NA
AtMSQTsnp 223	3	16489589	2208	16489217	G	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 237	3	20483289	1645	20482976	T	NA
AtMSQTsnp 242	3	21632608	138	21632379	T	NA
AtMSQTsnp 249	4	1055234	482	1055093	G	NA
AtMSQTsnp 260	4	5775707	933	5775541	C	NA
AtMSQTsnp 263	4	7077926	495	7077771	C	NA
AtMSQTsnp 266	4	8078648	238	8078388	G	NA
AtMSQTsnp 274	4	9213312	2778	9213072	T	NA
AtMSQTsnp 278	4	9377790	2783	9377549	A	NA
AtMSQTsnp 279	4	9580049	2788	9579976	T	NA
AtMSQTsnp 281	4	10482088	956	10482038	C	NA
AtMSQTsnp 282	4	10659455	505	10659034	T	NA
AtMSQTsnp 285	4	11326190	507	11325921	C	NA
AtMSQTsnp 292	4	12404111	2534	12403706	C	NA
AtMSQTsnp 294	4	13576588	960	13576336	G	NA
AtMSQTsnp 300	4	15765120	1685	15764920	A	NA
AtMSQTsnp 312	4	17803781	1985	17803605	T	NA
AtMSQTsnp 315	4	18560343	2289	18560103	T	NA
AtMSQTsnp 321	5	625679	2386	625179	A	C
AtMSQTsnp 323	5	872350	532	872097	A	NA
AtMSQTsnp 327	5	1497133	2105	1496987	NA	G
AtMSQTsnp 334	5	2244739	1995	2244524	C	NA
AtMSQTsnp 343	5	3606967	538	3606683	C	NA
AtMSQTsnp 351	5	5319138	126	5318924	A	NA
AtMSQTsnp 355	5	6708014	547	6707732	G	NA
AtMSQTsnp 358	5	7279057	550	7278798	G	NA
AtMSQTsnp 359	5	7442381	1363	7442039	T	NA
AtMSQTsnp 370	5	15065196	756	15065018	G	NA
AtMSQTsnp 378	5	17171676	1489	17171242	C	NA
AtMSQTsnp 390	5	20215473	970	20214933	T	NA
AtMSQTsnp 394	5	20518330	2759	20518241	G	NA
AtMSQTsnp 395	5	20915321	981	20915132	G	NA
AtMSQTsnp 397	5	22040877	992	22040690	G	NA
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 399	5	22414941	146	22414510	A	NA
AtMSQTsnp 408	5	25301234	2690	25300706	A	NA
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA

5.69 strain Bay-0(accession id=70)

5.69.1 corresponding ecotype Bay-0(stkparent=CS22633, ecotype id=8260, duplicate=1)

Table 352: accession id=70 vs ecotype id=8260, duplicate=1(nativename=Bay-0, stockparent=CS22633)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	2	0	0	1	0	0	0	0	0	0
A	0	11	35	0	0	0	0	0	0	0	0	0
C	0	8	0	26	0	0	0	0	0	0	0	0
G	0	10	0	0	24	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 353: detailed difference for accession id=70 vs ecotype id=8260, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	G	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 47	1	9343401	929	9343234	C	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 129	2	5804076	407	5803805	A	NA
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	C	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 184	2	18752840	1423	18752604	A	NA
AtMSQTsnp 186	3	298210	777	297801	A	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 203	3	6890665	73	6890596	NA	A
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 231	3	18590671	883	18590590	A	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 237	3	20483289	1645	20482976	T	NA
AtMSQTsnp 281	4	10482088	956	10482038	NA	T
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	T	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 388	5	19316200	761	19315950	C	NA
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	G	NA

5.69.2 corresponding ecotype Bay-0(stkparent=CS57923, ecotype id=7007, duplicate=1)

Table 354: accession id=70 vs ecotype id=7007, duplicate=1(nativename=Bay-0, stockparent=CS57923)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	2	0	1	1	0	0	0	0	0	0
A	0	2	43	0	0	0	1	0	0	0	0	0
C	0	0	0	34	0	0	0	0	0	0	0	0
G	0	1	0	0	33	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 355: detailed difference for accession id=70 vs ecotype id=7007, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 129	2	5804076	407	5803805	A	NA
AtMSQTsnp 203	3	6890665	73	6890596	NA	A
AtMSQTsnp 232	3	18980664	829	18980171	A	AC
AtMSQTsnp 237	3	20483289	1645	20482976	T	NA
AtMSQTsnp 281	4	10482088	956	10482038	NA	T
AtMSQTsnp 327	5	1497133	2105	1496987	NA	G
AtMSQTsnp 360	5	7842993	174	7842900	T	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 372	5	15569205	926	15568698	NA	A

5.69.3 corresponding ecotype Bay-0(stkparent=CS6608, ecotype id=7006, duplicate=1)

Table 356: accession id=70 vs ecotype id=7006, duplicate=1(nativename=Bay-0, stockparent=CS6608)

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

Table 357: detailed difference for accession id=70 vs ecotype id=7006, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 203	3	6890665	73	6890596	NA	A
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 281	4	10482088	956	10482038	NA	T
AtMSQTsnp 372	5	15569205	926	15568698	NA	A

5.69.4 corresponding ecotype Bay-0(stkparent=CS22633, ecotype id=6899, duplicate=1)

Table 358: accession id=70 vs ecotype id=6899, duplicate=1(nativename=Bay-0, stockparent=CS22633)

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

Table 359: detailed difference for accession id=70 vs ecotype id=6899, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 203	3	6890665	73	6890596	NA	A
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 281	4	10482088	956	10482038	NA	T
AtMSQTsnp 327	5	1497133	2105	1496987	NA	G
AtMSQTsnp 372	5	15569205	926	15568698	NA	A

5.70 strain Ga-0(accession id=71)

5.70.1 corresponding ecotype Ga-0(stkparent=CS22634, ecotype id=8295, duplicate=1)

Table 360: accession id=71 vs ecotype id=8295, duplicate=1(nativename=Ga-0, stockparent=CS22634)

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

-	0	0	0	0	0	1	0	0	0	0	0	0
NA	0	3	0	3	2	2	0	0	0	0	0	0
A	0	8	32	0	0	0	0	0	0	0	0	0
C	0	6	0	19	0	0	0	0	0	0	0	0
G	0	6	0	0	28	0	0	0	0	0	0	0
T	0	7	0	0	0	30	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 361: detailed difference for accession id=71 vs ecotype id=8295, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	G	NA
AtMSQTsnp 30	1	5629159	2156	5628596	T	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	C	NA
AtMSQTsnp 49	1	9781347	1018	9781260	-	T
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 63	1	13712241	345	13711856	NA	C
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 76	1	21908667	2670	21908157	NA	C
AtMSQTsnp 87	1	23381760	312	23381443	T	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 118	2	322335	2465	322253	NA	G
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 130	2	6499679	2098	6499196	NA	T
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 174	2	17121378	2453	17121159	NA	G
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	G	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 315	4	18560343	2289	18560103	NA	T
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 360	5	7842993	174	7842900	T	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.70.2 corresponding ecotype Ga-0(stkparent=CS6714, ecotype id=7140, duplicate=1)

Table 362: accession id=71 vs ecotype id=7140, duplicate=1(nativename=Ga-0, stockparent=CS6714)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	1	0	0	0	0	0	0
NA	0	1	1	4	2	2	0	0	0	0	0	0
A	0	1	38	0	0	0	1	0	0	0	0	0
C	0	1	0	24	0	0	0	0	0	0	0	0
G	0	0	0	0	34	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 363: detailed difference for accession id=71 vs ecotype id=7140, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 49	1	9781347	1018	9781260	-	T
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 63	1	13712241	345	13711856	NA	C
AtMSQTsnp 76	1	21908667	2670	21908157	NA	C
AtMSQTsnp 118	2	322335	2465	322253	NA	G
AtMSQTsnp 130	2	6499679	2098	6499196	NA	T
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 164	2	14003409	2631	14003272	NA	C
AtMSQTsnp 170	2	15986354	2292	15986145	NA	A
AtMSQTsnp 174	2	17121378	2453	17121159	NA	G
AtMSQTsnp 232	3	18980664	829	18980171	A	AC
AtMSQTsnp 315	4	18560343	2289	18560103	NA	T
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C

5.70.3 corresponding ecotype Ga-0(stkparent=CS22634, ecotype id=6919, duplicate=1)

Table 364: accession id=71 vs ecotype id=6919, duplicate=1(nativename=Ga-0, stockparent=CS22634)

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

Table 365: detailed difference for accession id=71 vs ecotype id=6919, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 49	1	9781347	1018	9781260	-	T
AtMSQTsnp 63	1	13712241	345	13711856	NA	C
AtMSQTsnp 76	1	21908667	2670	21908157	NA	C
AtMSQTsnp 118	2	322335	2465	322253	NA	G
AtMSQTsnp 130	2	6499679	2098	6499196	NA	T
AtMSQTsnp 164	2	14003409	2631	14003272	NA	C
AtMSQTsnp 170	2	15986354	2292	15986145	NA	A
AtMSQTsnp 174	2	17121378	2453	17121159	NA	G
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 315	4	18560343	2289	18560103	NA	T
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 327	5	1497133	2105	1496987	NA	G

5.71 strain Mrk-0(accession id=72)

5.71.1 corresponding ecotype Mrk-0(stkparent=CS22635, ecotype id=8339, duplicate=1)

Table 366: accession id=72 vs ecotype id=8339, duplicate=1(nativename=Mrk-0, stockparent=CS22635)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	1	0	0	0	0	0	0
NA	0	1	2	3	1	0	0	0	0	0	0	0
A	0	12	29	0	0	0	0	0	0	0	0	0
C	0	6	0	20	0	1	0	0	0	0	0	0
G	0	7	0	0	31	0	0	0	0	0	0	0
T	0	6	0	0	0	28	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0

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

Table 367: detailed difference for accession id=72 vs ecotype id=8339, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 21	1	4142539	2625	4142402	C	NA
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	T	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 49	1	9781347	1018	9781260	-	T
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 87	1	23381760	312	23381443	T	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 174	2	17121378	2453	17121159	NA	A
AtMSQTsnp 184	2	18752840	1423	18752604	A	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	T	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 237	3	20483289	1645	20482976	C	NA
AtMSQTsnp 281	4	10482088	956	10482038	NA	C
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA
AtMSQTsnp 304	4	16272521	2262	16272270	NA	C
AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 325	5	1214057	2388	1213621	C	T
AtMSQTsnp 327	5	1497133	2105	1496987	G	NA
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 372	5	15569205	926	15568698	G	NA
AtMSQTsnp 392	5	20409250	994	20408706	A	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA
AtMSQTsnp 412	5	26379972	2302	26379717	NA	A
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.71.2 corresponding ecotype Mrk-0(stkparent=CS6796, ecotype id=7247, duplicate=1)

Table 368: accession id=72 vs ecotype id=7247, duplicate=1(nativename=Mrk-0, stockparent=CS6796)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	1	0	0	0	0	0	0
NA	0	0	2	4	1	0	0	0	0	0	0	0
A	0	3	38	0	0	0	0	0	0	0	0	0
C	0	2	0	24	0	1	0	0	0	0	0	0
G	0	1	0	0	37	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 369: detailed difference for accession id=72 vs ecotype id=7247, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call

AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 49	1	9781347	1018	9781260	-	T
AtMSQTsnp 97	1	24893649	1428	24893448	G	NA
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 164	2	14003409	2631	14003272	NA	C
AtMSQTsnp 173	2	16908190	728	16908054	A	NA
AtMSQTsnp 174	2	17121378	2453	17121159	NA	A
AtMSQTsnp 214	3	9747261	641	9747158	A	NA
AtMSQTsnp 281	4	10482088	956	10482038	NA	C
AtMSQTsnp 304	4	16272521	2262	16272270	NA	C
AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 325	5	1214057	2388	1213621	C	T
AtMSQTsnp 398	5	22116788	642	22116605	C	NA
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA
AtMSQTsnp 412	5	26379972	2302	26379717	NA	A
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.71.3 corresponding ecotype Mrk-0(stkparent=CS22635, ecotype id=6937, duplicate=1)

Table 370: accession id=72 vs ecotype id=6937, duplicate=1(nativename=Mrk-0, stockparent=CS22635)

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

Table 371: detailed difference for accession id=72 vs ecotype id=6937, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 49	1	9781347	1018	9781260	-	T
AtMSQTsnp 97	1	24893649	1428	24893448	G	NA
AtMSQTsnp 138	2	8371133	373	8370574	C	CT
AtMSQTsnp 164	2	14003409	2631	14003272	NA	C
AtMSQTsnp 174	2	17121378	2453	17121159	NA	A
AtMSQTsnp 214	3	9747261	641	9747158	A	NA
AtMSQTsnp 281	4	10482088	956	10482038	NA	C
AtMSQTsnp 304	4	16272521	2262	16272270	NA	C
AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 325	5	1214057	2388	1213621	C	T
AtMSQTsnp 398	5	22116788	642	22116605	C	NA
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA
AtMSQTsnp 412	5	26379972	2302	26379717	NA	A
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.72 strain Mz-0(accession id=73)

5.72.1 corresponding ecotype Mz-0(stkparent=CS22636, ecotype id=8342, duplicate=1)

Table 372: accession id=73 vs ecotype id=8342, duplicate=1(nativename=Mz-0, stockparent=CS22636)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	1	3	1	0	0	0	0	0	0
A	0	8	31	0	0	0	0	0	0	0	0	0
C	0	6	0	26	0	0	0	0	0	0	0	0
G	0	9	0	0	34	0	0	0	0	0	0	0
T	0	6	0	0	0	22	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0

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

Table 373: detailed difference for accession id=73 vs ecotype id=8342, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 18	1	3872591	2224	3872234	NA	C
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	C	NA
AtMSQTsnp 58	1	12093546	279	12093079	G	NA
AtMSQTsnp 60	1	12357583	1973	12357044	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 126	2	2477756	2192	2477306	NA	G
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 130	2	6499679	2098	6499196	NA	T
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 184	2	18752840	1423	18752604	A	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	G	NA
AtMSQTsnp 267	4	8297960	499	8297594	T	NA
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA
AtMSQTsnp 306	4	16742071	2714	16741855	NA	G
AtMSQTsnp 315	4	18560343	2289	18560103	NA	A
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.72.2 corresponding ecotype Mz-0(stkparent=CS6800, ecotype id=7251, duplicate=1)

Table 374: accession id=73 vs ecotype id=7251, duplicate=1(nativename=Mz-0, stockparent=CS6800)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	1	3	1	0	0	0	0	0	0
A	0	4	35	0	0	0	0	0	0	0	0	0
C	0	1	0	31	0	0	0	0	0	0	0	0
G	0	3	0	0	40	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 375: detailed difference for accession id=73 vs ecotype id=7251, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 2	1	112907	847	112445	G	NA
AtMSQTsnp 18	1	3872591	2224	3872234	NA	C
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 54	1	10720273	860	10719833	A	NA

AtMSQTsnp 97	1	24893649	1428	24893448	G	NA
AtMSQTsnp 126	2	2477756	2192	2477306	NA	G
AtMSQTsnp 130	2	6499679	2098	6499196	NA	T
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 214	3	9747261	641	9747158	A	NA
AtMSQTsnp 306	4	16742071	2714	16741855	NA	G
AtMSQTsnp 315	4	18560343	2289	18560103	NA	A
AtMSQTsnp 370	5	15065196	756	15065018	A	NA
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.72.3 corresponding ecotype Mz-0(stkparent=CS22636, ecotype id=6940, duplicate=1)

Table 376: accession id=73 vs ecotype id=6940, duplicate=1(nativename=Mz-0, stockparent=CS22636)

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

Table 377: detailed difference for accession id=73 vs ecotype id=6940, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 2	1	112907	847	112445	G	NA
AtMSQTsnp 18	1	3872591	2224	3872234	NA	C
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 97	1	24893649	1428	24893448	G	NA
AtMSQTsnp 126	2	2477756	2192	2477306	NA	G
AtMSQTsnp 130	2	6499679	2098	6499196	NA	T
AtMSQTsnp 214	3	9747261	641	9747158	A	NA
AtMSQTsnp 304	4	16272521	2262	16272270	C	NA
AtMSQTsnp 315	4	18560343	2289	18560103	NA	A
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.73 strain Wt-5(accession id=74)

5.73.1 corresponding ecotype Wt-5(stkparent=CS22637, ecotype id=8407, duplicate=1)

Table 378: accession id=74 vs ecotype id=8407, duplicate=1(nativename=Wt-5, stockparent=CS22637)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	4	2	3	1	3	0	0	0	0	0	0
A	0	10	27	0	0	0	0	0	0	0	0	0
C	0	9	0	25	0	0	0	0	0	0	0	0
G	0	8	0	0	28	0	0	0	0	0	0	0
T	0	2	0	1	0	23	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 379: detailed difference for accession id=74 vs ecotype id=8407, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	T	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 41	1	8015448	855	8014943	C	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 87	1	23381760	312	23381443	C	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 126	2	2477756	2192	2477306	NA	G
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 130	2	6499679	2098	6499196	NA	T
AtMSQTsnp 142	2	9256095	223	9256049	NA	T
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	C	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 231	3	18590671	883	18590590	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	G	NA
AtMSQTsnp 237	3	20483289	1645	20482976	C	NA
AtMSQTsnp 254	4	2441217	233	2440917	NA	C
AtMSQTsnp 281	4	10482088	956	10482038	NA	T
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA
AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 334	5	2244739	1995	2244524	T	C
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 372	5	15569205	926	15568698	G	NA
AtMSQTsnp 373	5	15767945	1190	15767914	NA	A
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	A

5.73.2 corresponding ecotype Wt-5(stkparent=CS6896, ecotype id=7410, duplicate=1)

Table 380: accession id=74 vs ecotype id=7410, duplicate=1(nativename=Wt-5, stockparent=CS6896)

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

Table 381: detailed difference for accession id=74 vs ecotype id=7410, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 61	1	13395892	1673	13395451	NA	C
AtMSQTsnp 126	2	2477756	2192	2477306	NA	G
AtMSQTsnp 130	2	6499679	2098	6499196	NA	T
AtMSQTsnp 142	2	9256095	223	9256049	NA	T
AtMSQTsnp 184	2	18752840	1423	18752604	NA	T
AtMSQTsnp 254	4	2441217	233	2440917	NA	C
AtMSQTsnp 281	4	10482088	956	10482038	NA	T

AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 327	5	1497133	2105	1496987	NA	G
AtMSQTsnp 334	5	2244739	1995	2244524	T	C
AtMSQTsnp 370	5	15065196	756	15065018	NA	G
AtMSQTsnp 373	5	15767945	1190	15767914	NA	A
AtMSQTsnp 415	5	26708459	2711	26707937	NA	A

5.73.3 corresponding ecotype Wt-5(stkparent=CS22637, ecotype id=6982, duplicate=1)

Table 382: accession id=74 vs ecotype id=6982, duplicate=1(nativename=Wt-5, stockparent=CS22637)

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

Table 383: detailed difference for accession id=74 vs ecotype id=6982, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 61	1	13395892	1673	13395451	NA	C
AtMSQTsnp 73	1	20175347	1477	20174753	T	NA
AtMSQTsnp 126	2	2477756	2192	2477306	NA	G
AtMSQTsnp 130	2	6499679	2098	6499196	NA	T
AtMSQTsnp 142	2	9256095	223	9256049	NA	T
AtMSQTsnp 184	2	18752840	1423	18752604	NA	T
AtMSQTsnp 254	4	2441217	233	2440917	NA	C
AtMSQTsnp 281	4	10482088	956	10482038	NA	T
AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 327	5	1497133	2105	1496987	NA	G
AtMSQTsnp 334	5	2244739	1995	2244524	T	C
AtMSQTsnp 370	5	15065196	756	15065018	NA	G
AtMSQTsnp 373	5	15767945	1190	15767914	NA	A
AtMSQTsnp 415	5	26708459	2711	26707937	NA	A

5.74 strain Kas-2(accession id=75)

5.74.1 corresponding ecotype Kas-2(stkparent=CS22638, ecotype id=6925, duplicate=1)

Table 384: accession id=75 vs ecotype id=6925, duplicate=1(nativename=Kas-2, stockparent=CS22638)

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

Table 385: detailed difference for accession id=75 vs ecotype id=6925, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 2	1	112907	847	112445	G	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 60	1	12357583	1973	12357044	NA	T
AtMSQTsnp 61	1	13395892	1673	13395451	NA	C
AtMSQTsnp 126	2	2477756	2192	2477306	NA	A
AtMSQTsnp 130	2	6499679	2098	6499196	NA	T
AtMSQTsnp 146	2	10703371	380	10702850	C	NA
AtMSQTsnp 173	2	16908190	728	16908054	G	NA
AtMSQTsnp 174	2	17121378	2453	17121159	NA	A
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 274	4	9213312	2778	9213072	G	NA
AtMSQTsnp 294	4	13576588	960	13576336	G	NA
AtMSQTsnp 321	5	625679	2386	625179	NA	A
AtMSQTsnp 327	5	1497133	2105	1496987	NA	G
AtMSQTsnp 398	5	22116788	642	22116605	C	NA
AtMSQTsnp 409	5	26029439	2404	26029366	T	NA

5.74.2 corresponding ecotype Kas-2(stkparent=CS6751, ecotype id=7184, duplicate=1)

Table 386: accession id=75 vs ecotype id=7184, duplicate=1(nativename=Kas-2, stockparent=CS6751)

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

Table 387: detailed difference for accession id=75 vs ecotype id=7184, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 60	1	12357583	1973	12357044	NA	T
AtMSQTsnp 61	1	13395892	1673	13395451	NA	C
AtMSQTsnp 126	2	2477756	2192	2477306	NA	A
AtMSQTsnp 130	2	6499679	2098	6499196	NA	T
AtMSQTsnp 146	2	10703371	380	10702850	C	NA
AtMSQTsnp 174	2	17121378	2453	17121159	NA	A
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 321	5	625679	2386	625179	NA	A
AtMSQTsnp 327	5	1497133	2105	1496987	NA	G
AtMSQTsnp 398	5	22116788	642	22116605	C	NA
AtMSQTsnp 409	5	26029439	2404	26029366	T	NA

5.75 strain Ct-1(accession id=76)

5.75.1 corresponding ecotype Ct-1(stkparent=CS22639, ecotype id=6910, duplicate=1)

Table 388: accession id=76 vs ecotype id=6910, duplicate=1(nativename=Ct-1, stockparent=CS22639)

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

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

Table 389: detailed difference for accession id=76 vs ecotype id=6910, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	NA	C
AtMSQTsnp 142	2	9256095	223	9256049	NA	C
AtMSQTsnp 145	2	10566917	381	10566416	NA	C
AtMSQTsnp 156	2	12658862	2572	12658576	T	C
AtMSQTsnp 174	2	17121378	2453	17121159	NA	A
AtMSQTsnp 292	4	12404111	2534	12403706	T	C
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 327	5	1497133	2105	1496987	G	NA
AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 373	5	15767945	1190	15767914	NA	G

5.75.2 corresponding ecotype Ct-1(stkparent=CS22639, ecotype id=8280, duplicate=1)

Table 390: accession id=76 vs ecotype id=8280, duplicate=1(nativename=Ct-1, stockparent=CS22639)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	2	4	1	0	0	0	0	0	0	0
A	0	9	29	0	0	0	0	0	0	0	0	0
C	0	7	0	25	0	0	0	0	0	0	0	0
G	0	7	0	0	34	0	0	0	0	0	0	0
T	0	6	0	1	0	23	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 391: detailed difference for accession id=76 vs ecotype id=8280, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	G	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 87	1	23381760	312	23381443	T	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 92	1	24292774	672	24292482	A	NA
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 142	2	9256095	223	9256049	NA	C
AtMSQTsnp 145	2	10566917	381	10566416	NA	C
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 174	2	17121378	2453	17121159	NA	A
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 267	4	8297960	499	8297594	T	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 292	4	12404111	2534	12403706	T	C

AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 327	5	1497133	2105	1496987	G	NA
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 373	5	15767945	1190	15767914	NA	G
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.75.3 corresponding ecotype Ct-1(stkparent=CS6674, ecotype id=7067, duplicate=1)

Table 392: accession id=76 vs ecotype id=7067, duplicate=1(nativename=Ct-1, stockparent=CS6674)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	2	5	0	0	0	0	0	0	0	0
A	0	1	37	0	0	0	0	0	0	0	0	0
C	0	1	0	31	0	0	0	0	0	0	0	0
G	0	2	0	0	39	0	0	0	0	0	0	0
T	0	1	0	2	0	27	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 393: detailed difference for accession id=76 vs ecotype id=7067, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	NA	C
AtMSQTsnp 142	2	9256095	223	9256049	NA	C
AtMSQTsnp 145	2	10566917	381	10566416	NA	C
AtMSQTsnp 156	2	12658862	2572	12658576	T	C
AtMSQTsnp 173	2	16908190	728	16908054	A	NA
AtMSQTsnp 174	2	17121378	2453	17121159	NA	A
AtMSQTsnp 292	4	12404111	2534	12403706	T	C
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 327	5	1497133	2105	1496987	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 388	5	19316200	761	19315950	C	NA

5.76 strain Mr-0(accession id=77)

5.76.1 corresponding ecotype Mr-0(stkparent=CS22640, ecotype id=7522, duplicate=1)

Table 394: accession id=77 vs ecotype id=7522, duplicate=1(nativename=Mr-0, stockparent=CS22640)

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

Table 395: detailed difference for accession id=77 vs ecotype id=7522, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 63	1	13712241	345	13711856	NA	C
AtMSQTsnp 85	1	23155780	668	23155464	NA	A
AtMSQTsnp 88	1	23395010	1071	23394478	NA	G
AtMSQTsnp 130	2	6499679	2098	6499196	NA	C
AtMSQTsnp 142	2	9256095	223	9256049	NA	T
AtMSQTsnp 145	2	10566917	381	10566416	NA	T
AtMSQTsnp 174	2	17121378	2453	17121159	NA	G
AtMSQTsnp 184	2	18752840	1423	18752604	NA	T
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 398	5	22116788	642	22116605	C	NA
AtMSQTsnp 409	5	26029439	2404	26029366	T	NA

5.76.2 corresponding ecotype Mr-0(stkparent=CS6795, ecotype id=7429, duplicate=2)

Table 396: accession id=77 vs ecotype id=7429, duplicate=2(nativename=Mr-0, stockparent=CS6795)

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

Table 397: detailed difference for accession id=77 vs ecotype id=7429, duplicate=2

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 63	1	13712241	345	13711856	NA	C
AtMSQTsnp 85	1	23155780	668	23155464	NA	A
AtMSQTsnp 88	1	23395010	1071	23394478	NA	G
AtMSQTsnp 130	2	6499679	2098	6499196	NA	C
AtMSQTsnp 142	2	9256095	223	9256049	NA	T
AtMSQTsnp 145	2	10566917	381	10566416	NA	T
AtMSQTsnp 174	2	17121378	2453	17121159	NA	G
AtMSQTsnp 184	2	18752840	1423	18752604	NA	T
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 398	5	22116788	642	22116605	C	NA
AtMSQTsnp 409	5	26029439	2404	26029366	T	NA

5.76.3 corresponding ecotype Mr-0(stkparent=CS6795, ecotype id=7429, duplicate=1)

Table 398: accession id=77 vs ecotype id=7429, duplicate=1(nativename=Mr-0, stockparent=CS6795)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	2	2	1	0	0	1	1	0	3	0
A	0	0	20	0	0	0	2	6	4	0	0	0
C	0	4	0	21	0	0	3	0	0	0	7	0
G	0	6	1	0	24	0	0	13	0	3	0	2
T	0	1	0	0	0	14	0	0	1	0	5	1
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0

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

Table 399: detailed difference for accession id=77 vs ecotype id=7429, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 2	1	112907	847	112445	G	NA
AtMSQTsnp 10	1	1149280	1467	1149096	G	AG
AtMSQTsnp 14	1	2775956	1649	2775589	T	AT
AtMSQTsnp 15	1	2844525	1139	2844111	C	CT
AtMSQTsnp 22	1	4396087	46	4395913	G	AG
AtMSQTsnp 29	1	5482008	263	5481722	A	AT
AtMSQTsnp 49	1	9781347	1018	9781260	C	CT
AtMSQTsnp 54	1	10720273	860	10719833	G	NA
AtMSQTsnp 62	1	13541648	808	13541490	G	AG
AtMSQTsnp 63	1	13712241	345	13711856	NA	C
AtMSQTsnp 65	1	16874727	290	16874305	G	AG
AtMSQTsnp 69	1	18340160	1407	18340113	G	GT
AtMSQTsnp 73	1	20175347	1477	20174753	C	CT
AtMSQTsnp 76	1	21908667	2670	21908157	T	CT
AtMSQTsnp 85	1	23155780	668	23155464	NA	A
AtMSQTsnp 88	1	23395010	1071	23394478	NA	G
AtMSQTsnp 91	1	24071689	1427	24071203	G	AG
AtMSQTsnp 108	1	28666837	343	28666569	G	AG
AtMSQTsnp 118	2	322335	2465	322253	A	AG
AtMSQTsnp 130	2	6499679	2098	6499196	NA	CT
AtMSQTsnp 132	2	7072955	367	7072571	C	NA
AtMSQTsnp 142	2	9256095	223	9256049	NA	CT
AtMSQTsnp 145	2	10566917	381	10566416	NA	CT
AtMSQTsnp 155	2	12657149	38	12656716	A	AG
AtMSQTsnp 156	2	12658862	2572	12658576	C	CT
AtMSQTsnp 159	2	13265124	2127	13265029	C	CT
AtMSQTsnp 164	2	14003409	2631	14003272	A	AC
AtMSQTsnp 173	2	16908190	728	16908054	G	A
AtMSQTsnp 174	2	17121378	2453	17121159	NA	AG
AtMSQTsnp 184	2	18752840	1423	18752604	NA	AT
AtMSQTsnp 186	3	298210	777	297801	A	AT
AtMSQTsnp 189	3	2231938	779	2231413	A	AG
AtMSQTsnp 191	3	2236458	2592	2236406	C	AC
AtMSQTsnp 194	3	3679541	1632	3679103	A	AT
AtMSQTsnp 197	3	4818602	435	4818362	G	AG
AtMSQTsnp 205	3	7392098	91	7391896	T	CT
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 223	3	16489589	2208	16489217	A	AG
AtMSQTsnp 232	3	18980664	829	18980171	C	AC
AtMSQTsnp 235	3	19930624	833	19930188	A	AG
AtMSQTsnp 237	3	20483289	1645	20482976	C	CT
AtMSQTsnp 242	3	21632608	138	21632379	T	CT
AtMSQTsnp 254	4	2441217	233	2440917	A	AC
AtMSQTsnp 260	4	5775707	933	5775541	C	AC
AtMSQTsnp 263	4	7077926	495	7077771	T	CT
AtMSQTsnp 267	4	8297960	499	8297594	C	CT
AtMSQTsnp 274	4	9213312	2778	9213072	G	GT
AtMSQTsnp 285	4	11326190	507	11325921	T	CT
AtMSQTsnp 294	4	13576588	960	13576336	G	NA
AtMSQTsnp 300	4	15765120	1685	15764920	G	AG
AtMSQTsnp 304	4	16272521	2262	16272270	C	NA
AtMSQTsnp 306	4	16742071	2714	16741855	G	CG
AtMSQTsnp 315	4	18560343	2289	18560103	A	AT
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 327	5	1497133	2105	1496987	G	NA
AtMSQTsnp 331	5	1931167	1633	1931083	G	CG
AtMSQTsnp 361	5	7881430	1986	7881187	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	AG
AtMSQTsnp 370	5	15065196	756	15065018	A	AG
AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 378	5	17171676	1489	17171242	G	CG
AtMSQTsnp 394	5	20518330	2759	20518241	G	AG
AtMSQTsnp 395	5	20915321	981	20915132	G	AG
AtMSQTsnp 397	5	22040877	992	22040690	T	GT
AtMSQTsnp 398	5	22116788	642	22116605	C	NA
AtMSQTsnp 404	5	23270994	1391	23270845	C	NA
AtMSQTsnp 406	5	23815848	978	23815354	G	AG
AtMSQTsnp 409	5	26029439	2404	26029366	T	NA
AtMSQTsnp 410	5	26120955	596	26120843	G	AG

5.76.4 corresponding ecotype Mr-0(stkparent=CS22640, ecotype id=8338, duplicate=1)

Table 400: accession id=77 vs ecotype id=8338, duplicate=1(nativename=Mr-0, stockparent=CS22640)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	2	3	2	2	0	0	0	0	0	0
A	0	10	22	0	0	0	0	0	0	0	0	0
C	0	4	0	31	0	0	0	0	0	0	0	0
G	0	10	0	0	39	0	0	0	0	0	0	0
T	0	1	0	0	0	21	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 401: detailed difference for accession id=77 vs ecotype id=8338, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	G	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 63	1	13712241	345	13711856	NA	C
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 85	1	23155780	668	23155464	NA	A
AtMSQTsnp 88	1	23395010	1071	23394478	NA	G
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 130	2	6499679	2098	6499196	NA	C
AtMSQTsnp 142	2	9256095	223	9256049	NA	T
AtMSQTsnp 145	2	10566917	381	10566416	NA	T
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	C	NA
AtMSQTsnp 164	2	14003409	2631	14003272	A	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 174	2	17121378	2453	17121159	NA	G
AtMSQTsnp 186	3	298210	777	297801	A	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	T	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	G	NA

5.77 strain Tsu-1(accession id=78)

5.77.1 corresponding ecotype Tsu-1(stkparent=CS22641, ecotype id=8394, duplicate=1)

Table 402: accession id=78 vs ecotype id=8394, duplicate=1(nativename=Tsu-1, stockparent=CS22641)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	3	0	0	0	0	0	0	0	0	0
A	0	11	24	0	0	0	0	0	0	0	0	0
C	0	7	0	30	0	1	0	0	0	0	0	0
G	0	8	0	0	33	0	0	0	0	0	0	0
T	0	6	0	1	0	25	0	0	0	0	0	0

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

Table 403: detailed difference for accession id=78 vs ecotype id=8394, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	C	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 85	1	23155780	668	23155464	NA	A
AtMSQTsnp 87	1	23381760	312	23381443	C	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 92	1	24292774	672	24292482	A	NA
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 138	2	8371133	373	8370574	C	T
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	A	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 184	2	18752840	1423	18752604	A	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 187	3	580470	55	580026	NA	A
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 231	3	18590671	883	18590590	A	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	G	NA
AtMSQTsnp 237	3	20483289	1645	20482976	T	NA
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 334	5	2244739	1995	2244524	T	C
AtMSQTsnp 360	5	7842993	174	7842900	T	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.77.2 corresponding ecotype Tsu-1(stkparent=CS6926, ecotype id=7374, duplicate=1)

Table 404: accession id=78 vs ecotype id=7374, duplicate=1(nativename=Tsu-1, stockparent=CS6926)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	3	0	0	0	0	0	0	0	0	0
A	0	2	33	0	0	0	0	0	0	0	0	0
C	0	0	0	38	0	0	0	0	0	0	0	0
G	0	1	0	0	40	0	0	0	0	0	0	0
T	0	1	0	1	0	30	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 405: detailed difference for accession id=78 vs ecotype id=7374, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call

AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 85	1	23155780	668	23155464	NA	A
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 187	3	580470	55	580026	NA	A
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 274	4	9213312	2778	9213072	G	NA
AtMSQTsnp 334	5	2244739	1995	2244524	T	C
AtMSQTsnp 372	5	15569205	926	15568698	NA	A

5.77.3 corresponding ecotype Tsu-1(stkparent=CS22641, ecotype id=6972, duplicate=1)

Table 406: accession id=78 vs ecotype id=6972, duplicate=1(nativename=Tsu-1, stockparent=CS22641)

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

Table 407: detailed difference for accession id=78 vs ecotype id=6972, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 85	1	23155780	668	23155464	NA	A
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 187	3	580470	55	580026	NA	A
AtMSQTsnp 232	3	18980664	829	18980171	A	AC
AtMSQTsnp 334	5	2244739	1995	2244524	T	C
AtMSQTsnp 372	5	15569205	926	15568698	NA	A

5.78 strain Mt-0(accession id=79)

5.78.1 corresponding ecotype Mt-0(stkparent=CS6799, ecotype id=7249, duplicate=1)

Table 408: accession id=79 vs ecotype id=7249, duplicate=1(nativename=Mt-0, stockparent=CS6799)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	2	1	3	2	3	0	0	0	0	0	0
A	0	8	34	0	0	0	0	0	0	0	0	0
C	0	8	0	22	0	1	0	0	0	0	0	0
G	0	6	0	0	31	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 409: detailed difference for accession id=79 vs ecotype id=7249, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 2	1	112907	847	112445	A	NA
AtMSQTsnp 9	1	1042427	1109	1042028	G	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA

AtMSQTsnp 40	1	7842523	928	7842440	C	NA
AtMSQTsnp 49	1	9781347	1018	9781260	C	NA
AtMSQTsnp 53	1	10423708	948	10423483	NA	C
AtMSQTsnp 57	1	11655519	273	11655171	NA	C
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 97	1	24893649	1428	24893448	G	NA
AtMSQTsnp 118	2	322335	2465	322253	NA	G
AtMSQTsnp 138	2	8371133	373	8370574	C	T
AtMSQTsnp 140	2	8750047	1072	8749828	C	NA
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	NA	C
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 174	2	17121378	2453	17121159	NA	A
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 231	3	18590671	883	18590590	G	NA
AtMSQTsnp 242	3	21632608	138	21632379	C	NA
AtMSQTsnp 274	4	9213312	2778	9213072	T	NA
AtMSQTsnp 304	4	16272521	2262	16272270	NA	T
AtMSQTsnp 306	4	16742071	2714	16741855	NA	G
AtMSQTsnp 310	4	17608924	1999	17608717	A	NA
AtMSQTsnp 312	4	17803781	1985	17803605	T	NA
AtMSQTsnp 325	5	1214057	2388	1213621	NA	T
AtMSQTsnp 327	5	1497133	2105	1496987	NA	T
AtMSQTsnp 370	5	15065196	756	15065018	A	NA
AtMSQTsnp 372	5	15569205	926	15568698	A	NA
AtMSQTsnp 378	5	17171676	1489	17171242	C	NA
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA
AtMSQTsnp 412	5	26379972	2302	26379717	A	NA

5.78.2 corresponding ecotype Mt-0(stkparent=CS22642, ecotype id=6939, duplicate=1)

Table 410: accession id=79 vs ecotype id=6939, duplicate=1(nativename=Mt-0, stockparent=CS22642)

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

Table 411: detailed difference for accession id=79 vs ecotype id=6939, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 2	1	112907	847	112445	A	NA
AtMSQTsnp 4	1	340810	1095	340398	A	NA
AtMSQTsnp 8	1	993374	1042	992824	A	NA
AtMSQTsnp 9	1	1042427	1109	1042028	G	NA
AtMSQTsnp 10	1	1149280	1467	1149096	G	NA
AtMSQTsnp 11	1	1602136	848	1601885	T	NA
AtMSQTsnp 12	1	2211033	964	2210982	G	NA
AtMSQTsnp 14	1	2775956	1649	2775589	A	NA
AtMSQTsnp 15	1	2844525	1139	2844111	C	NA
AtMSQTsnp 18	1	3872591	2224	3872234	C	NA
AtMSQTsnp 21	1	4142539	2625	4142402	T	NA
AtMSQTsnp 22	1	4396087	46	4395913	G	NA
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 29	1	5482008	263	5481722	T	NA
AtMSQTsnp 31	1	5923041	265	5922974	G	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 38	1	7449598	2136	7449482	A	NA
AtMSQTsnp 40	1	7842523	928	7842440	C	NA
AtMSQTsnp 41	1	8015448	855	8014943	C	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA

AtMSQTsnp 48	1	9497118	930	9496666	C	NA
AtMSQTsnp 49	1	9781347	1018	9781260	C	NA
AtMSQTsnp 54	1	10720273	860	10719833	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 62	1	13541648	808	13541490	A	NA
AtMSQTsnp 63	1	13712241	345	13711856	A	NA
AtMSQTsnp 65	1	16874727	290	16874305	A	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 69	1	18340160	1407	18340113	G	NA
AtMSQTsnp 73	1	20175347	1477	20174753	T	NA
AtMSQTsnp 76	1	21908667	2670	21908157	C	NA
AtMSQTsnp 85	1	23155780	668	23155464	A	NA
AtMSQTsnp 87	1	23381760	312	23381443	T	NA
AtMSQTsnp 90	1	23893336	69	23893276	C	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 97	1	24893649	1428	24893448	G	C
AtMSQTsnp 100	1	25717887	1758	25717715	G	NA
AtMSQTsnp 101	1	26278413	330	26278221	A	NA
AtMSQTsnp 104	1	26794838	665	26794732	T	NA
AtMSQTsnp 108	1	28666837	343	28666569	G	NA
AtMSQTsnp 114	1	30214313	1800	30213917	A	NA
AtMSQTsnp 123	2	1798445	2109	1798324	G	NA
AtMSQTsnp 128	2	5021020	1514	5020871	G	NA
AtMSQTsnp 129	2	5804076	407	5803805	A	NA
AtMSQTsnp 130	2	6499679	2098	6499196	T	NA
AtMSQTsnp 132	2	7072955	367	7072571	T	NA
AtMSQTsnp 138	2	8371133	373	8370574	C	NA
AtMSQTsnp 140	2	8750047	1072	8749828	C	NA
AtMSQTsnp 142	2	9256095	223	9256049	C	NA
AtMSQTsnp 143	2	9428987	376	9428891	C	NA
AtMSQTsnp 145	2	10566917	381	10566416	C	NA
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 159	2	13265124	2127	13265029	C	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 169	2	15801542	396	15801112	G	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 173	2	16908190	728	16908054	G	NA
AtMSQTsnp 177	2	17859964	118	17859576	G	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 187	3	580470	55	580026	T	NA
AtMSQTsnp 188	3	2072780	649	2072648	C	NA
AtMSQTsnp 191	3	2236458	2592	2236406	A	NA
AtMSQTsnp 194	3	3679541	1632	3679103	A	NA
AtMSQTsnp 197	3	4818602	435	4818362	A	NA
AtMSQTsnp 198	3	5235571	1612	5235221	C	NA
AtMSQTsnp 203	3	6890665	73	6890596	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 220	3	11398207	1053	11398071	G	NA
AtMSQTsnp 222	3	15880426	823	15879997	T	NA
AtMSQTsnp 223	3	16489589	2208	16489217	A	NA
AtMSQTsnp 231	3	18590671	883	18590590	G	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	G	NA
AtMSQTsnp 237	3	20483289	1645	20482976	T	NA
AtMSQTsnp 242	3	21632608	138	21632379	C	NA
AtMSQTsnp 244	3	23053878	1662	23053771	G	NA
AtMSQTsnp 249	4	1055234	482	1055093	A	NA
AtMSQTsnp 254	4	2441217	233	2440917	A	NA
AtMSQTsnp 260	4	5775707	933	5775541	A	NA
AtMSQTsnp 263	4	7077926	495	7077771	C	NA
AtMSQTsnp 266	4	8078648	238	8078388	T	NA
AtMSQTsnp 267	4	8297960	499	8297594	C	NA
AtMSQTsnp 274	4	9213312	2778	9213072	T	NA
AtMSQTsnp 278	4	9377790	2783	9377549	A	NA
AtMSQTsnp 279	4	9580049	2788	9579976	T	NA
AtMSQTsnp 281	4	10482088	956	10482038	C	NA
AtMSQTsnp 282	4	10659455	505	10659034	T	NA
AtMSQTsnp 285	4	11326190	507	11325921	T	NA
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA
AtMSQTsnp 288	4	11984772	1376	11984495	G	NA
AtMSQTsnp 292	4	12404111	2534	12403706	T	NA
AtMSQTsnp 294	4	13576588	960	13576336	T	NA
AtMSQTsnp 300	4	15765120	1685	15764920	A	NA
AtMSQTsnp 307	4	17038400	2205	17038096	T	NA
AtMSQTsnp 310	4	17608924	1999	17608717	A	NA

AtMSQTsnp 312	4	17803781	1985	17803605	T	NA
AtMSQTsnp 315	4	18560343	2289	18560103	T	NA
AtMSQTsnp 321	5	625679	2386	625179	A	NA
AtMSQTsnp 323	5	872350	532	872097	A	NA
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 334	5	2244739	1995	2244524	C	NA
AtMSQTsnp 343	5	3606967	538	3606683	T	NA
AtMSQTsnp 350	5	5005750	1459	5005363	G	NA
AtMSQTsnp 351	5	5319138	126	5318924	G	NA
AtMSQTsnp 355	5	6708014	547	6707732	T	NA
AtMSQTsnp 358	5	7279057	550	7278798	G	NA
AtMSQTsnp 359	5	7442381	1363	7442039	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 361	5	7881430	1986	7881187	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 370	5	15065196	756	15065018	A	NA
AtMSQTsnp 372	5	15569205	926	15568698	A	NA
AtMSQTsnp 373	5	15767945	1190	15767914	G	NA
AtMSQTsnp 378	5	17171676	1489	17171242	C	NA
AtMSQTsnp 379	5	17629384	2039	17629093	A	NA
AtMSQTsnp 388	5	19316200	761	19315950	C	NA
AtMSQTsnp 390	5	20215473	970	20214933	C	NA
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 394	5	20518330	2759	20518241	A	NA
AtMSQTsnp 395	5	20915321	981	20915132	A	NA
AtMSQTsnp 397	5	22040877	992	22040690	G	NA
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 399	5	22414941	146	22414510	G	NA
AtMSQTsnp 404	5	23270994	1391	23270845	T	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA
AtMSQTsnp 408	5	25301234	2690	25300706	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA
AtMSQTsnp 410	5	26120955	596	26120843	A	NA
AtMSQTsnp 412	5	26379972	2302	26379717	A	NA
AtMSQTsnp 415	5	26708459	2711	26707937	G	NA

5.78.3 corresponding ecotype Mt-0(stkparent=CS22642, ecotype id=8341, duplicate=1)

Table 412: accession id=79 vs ecotype id=8341, duplicate=1(nativename=Mt-0, stockparent=CS22642)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	3	1	1	3	2	0	0	0	0	1	0
A	0	9	33	0	0	0	0	0	0	0	0	0
C	0	8	0	22	0	0	0	0	0	0	1	0
G	0	7	0	0	30	0	0	0	0	0	0	0
T	0	6	0	0	0	21	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 413: detailed difference for accession id=79 vs ecotype id=8341, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 21	1	4142539	2625	4142402	T	NA
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 41	1	8015448	855	8014943	C	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 53	1	10423708	948	10423483	NA	C
AtMSQTsnp 57	1	11655519	273	11655171	NA	CT
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 87	1	23381760	312	23381443	T	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 118	2	322335	2465	322253	NA	G
AtMSQTsnp 126	2	2477756	2192	2477306	NA	G

AtMSQTsnp 129	2	5804076	407	5803805	A	NA
AtMSQTsnp 138	2	8371133	373	8370574	C	CT
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 174	2	17121378	2453	17121159	NA	A
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 235	3	19930624	833	19930188	G	NA
AtMSQTsnp 237	3	20483289	1645	20482976	T	NA
AtMSQTsnp 267	4	8297960	499	8297594	C	NA
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA
AtMSQTsnp 304	4	16272521	2262	16272270	NA	T
AtMSQTsnp 306	4	16742071	2714	16741855	NA	G
AtMSQTsnp 325	5	1214057	2388	1213621	NA	T
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.79 strain Nok-3(accession id=80)

5.79.1 corresponding ecotype Nok-3(stkparent=CS22643, ecotype id=8347, duplicate=1)

Table 414: accession id=80 vs ecotype id=8347, duplicate=1(nativename=Nok-3, stockparent=CS22643)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	1	1	0	2	0	0	0	0	0	0
A	0	7	37	0	0	0	0	0	0	0	0	0
C	0	4	0	22	0	1	0	0	0	0	0	0
G	0	10	0	0	29	0	0	0	0	0	0	0
T	0	6	0	0	0	25	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 415: detailed difference for accession id=80 vs ecotype id=8347, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	T	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	G	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 174	2	17121378	2453	17121159	NA	A
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA
AtMSQTsnp 304	4	16272521	2262	16272270	NA	T
AtMSQTsnp 310	4	17608924	1999	17608717	NA	C
AtMSQTsnp 315	4	18560343	2289	18560103	NA	T
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 334	5	2244739	1995	2244524	C	T

AtMSQTsnp 360	5	7842993	174	7842900	T	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 378	5	17171676	1489	17171242	T	NA
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.79.2 corresponding ecotype Nok-3(stkparent=CS6810, ecotype id=7272, duplicate=1)

Table 416: accession id=80 vs ecotype id=7272, duplicate=1(nativename=Nok-3, stockparent=CS6810)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	1	1	2	0	0	0	0	0	0
A	0	1	43	0	0	0	0	0	0	0	0	0
C	0	3	0	23	0	1	0	0	0	0	0	0
G	0	3	0	0	36	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 417: detailed difference for accession id=80 vs ecotype id=7272, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 2	1	112907	847	112445	A	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 138	2	8371133	373	8370574	C	NA
AtMSQTsnp 174	2	17121378	2453	17121159	NA	A
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 304	4	16272521	2262	16272270	NA	T
AtMSQTsnp 310	4	17608924	1999	17608717	NA	C
AtMSQTsnp 315	4	18560343	2289	18560103	NA	T
AtMSQTsnp 327	5	1497133	2105	1496987	NA	G
AtMSQTsnp 334	5	2244739	1995	2244524	C	T
AtMSQTsnp 378	5	17171676	1489	17171242	T	NA
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA

5.79.3 corresponding ecotype Nok-3(stkparent=CS22643, ecotype id=6945, duplicate=1)

Table 418: accession id=80 vs ecotype id=6945, duplicate=1(nativename=Nok-3, stockparent=CS22643)

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

Table 419: detailed difference for accession id=80 vs ecotype id=6945, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 2	1	112907	847	112445	A	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA

AtMSQTsnp 174	2	17121378	2453	17121159	NA	A
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 304	4	16272521	2262	16272270	NA	T
AtMSQTsnp 310	4	17608924	1999	17608717	NA	C
AtMSQTsnp 315	4	18560343	2289	18560103	NA	T
AtMSQTsnp 327	5	1497133	2105	1496987	NA	G
AtMSQTsnp 334	5	2244739	1995	2244524	C	T
AtMSQTsnp 378	5	17171676	1489	17171242	T	NA
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA

5.80 strain Wa-1(accession id=81)

5.80.1 corresponding ecotype Wa-1(stkparent=CS22644, ecotype id=8403, duplicate=1)

Table 420: accession id=81 vs ecotype id=8403, duplicate=1(nativename=Wa-1, stockparent=CS22644)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	3	4	0	1	1	0	0	0	0	0	0
A	0	9	19	0	0	0	0	0	0	0	0	0
C	0	9	0	19	0	0	0	0	0	0	0	0
G	0	11	0	0	30	0	0	0	0	0	0	0
T	0	8	0	0	0	33	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 421: detailed difference for accession id=81 vs ecotype id=8403, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 10	1	1149280	1467	1149096	G	NA
AtMSQTsnp 21	1	4142539	2625	4142402	C	NA
AtMSQTsnp 27	1	5206767	1014	5206479	G	NA
AtMSQTsnp 30	1	5629159	2156	5628596	T	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 38	1	7449598	2136	7449482	A	NA
AtMSQTsnp 41	1	8015448	855	8014943	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 53	1	10423708	948	10423483	NA	T
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 65	1	16874727	290	16874305	G	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 73	1	20175347	1477	20174753	T	NA
AtMSQTsnp 87	1	23381760	312	23381443	T	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 92	1	24292774	672	24292482	A	NA
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 146	2	10703371	380	10702850	G	NA
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 174	2	17121378	2453	17121159	NA	A
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 197	3	4818602	435	4818362	NA	A
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 237	3	20483289	1645	20482976	C	NA
AtMSQTsnp 267	4	8297960	499	8297594	C	NA
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA
AtMSQTsnp 310	4	17608924	1999	17608717	NA	A
AtMSQTsnp 327	5	1497133	2105	1496987	G	NA
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 360	5	7842993	174	7842900	T	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 379	5	17629384	2039	17629093	A	NA

AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.80.2 corresponding ecotype Wa-1(stkparent=CS6885, ecotype id=7394, duplicate=1)

Table 422: accession id=81 vs ecotype id=7394, duplicate=1(nativename=Wa-1, stockparent=CS6885)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	4	1	1	3	0	0	0	0	0	0
A	0	0	28	0	0	0	0	0	0	0	0	0
C	0	1	0	27	0	0	0	0	0	0	0	0
G	0	0	0	0	41	0	0	0	0	0	0	0
T	0	1	0	0	0	40	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 423: detailed difference for accession id=81 vs ecotype id=7394, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 18	1	3872591	2224	3872234	NA	C
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 53	1	10423708	948	10423483	NA	T
AtMSQTsnp 145	2	10566917	381	10566416	NA	T
AtMSQTsnp 174	2	17121378	2453	17121159	NA	A
AtMSQTsnp 184	2	18752840	1423	18752604	NA	T
AtMSQTsnp 197	3	4818602	435	4818362	NA	A
AtMSQTsnp 310	4	17608924	1999	17608717	NA	A
AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 388	5	19316200	761	19315950	C	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.80.3 corresponding ecotype Wa-1(stkparent=CS22644, ecotype id=6978, duplicate=1)

Table 424: accession id=81 vs ecotype id=6978, duplicate=1(nativename=Wa-1, stockparent=CS22644)

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

Table 425: detailed difference for accession id=81 vs ecotype id=6978, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 2	1	112907	847	112445	G	NA
AtMSQTsnp 8	1	993374	1042	992824	A	NA
AtMSQTsnp 14	1	2775956	1649	2775589	T	NA
AtMSQTsnp 15	1	2844525	1139	2844111	C	NA
AtMSQTsnp 18	1	3872591	2224	3872234	NA	C
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 53	1	10423708	948	10423483	NA	T

AtMSQTsnp 57	1	11655519	273	11655171	T	NA
AtMSQTsnp 62	1	13541648	808	13541490	G	NA
AtMSQTsnp 85	1	23155780	668	23155464	T	NA
AtMSQTsnp 88	1	23395010	1071	23394478	A	NA
AtMSQTsnp 90	1	23893336	69	23893276	T	NA
AtMSQTsnp 100	1	25717887	1758	25717715	G	NA
AtMSQTsnp 114	1	30214313	1800	30213917	G	NA
AtMSQTsnp 123	2	1798445	2109	1798324	A	NA
AtMSQTsnp 130	2	6499679	2098	6499196	T	NA
AtMSQTsnp 132	2	7072955	367	7072571	T	NA
AtMSQTsnp 138	2	8371133	373	8370574	T	NA
AtMSQTsnp 145	2	10566917	381	10566416	NA	T
AtMSQTsnp 159	2	13265124	2127	13265029	T	NA
AtMSQTsnp 169	2	15801542	396	15801112	G	NA
AtMSQTsnp 184	2	18752840	1423	18752604	NA	T
AtMSQTsnp 197	3	4818602	435	4818362	NA	A
AtMSQTsnp 220	3	11398207	1053	11398071	G	NA
AtMSQTsnp 231	3	18590671	883	18590590	G	NA
AtMSQTsnp 232	3	18980664	829	18980171	C	NA
AtMSQTsnp 244	3	23053878	1662	23053771	A	NA
AtMSQTsnp 254	4	2441217	233	2440917	C	NA
AtMSQTsnp 288	4	11984772	1376	11984495	A	NA
AtMSQTsnp 304	4	16272521	2262	16272270	C	NA
AtMSQTsnp 306	4	16742071	2714	16741855	C	NA
AtMSQTsnp 307	4	17038400	2205	17038096	T	NA
AtMSQTsnp 321	5	625679	2386	625179	C	NA
AtMSQTsnp 327	5	1497133	2105	1496987	G	NA
AtMSQTsnp 350	5	5005750	1459	5005363	G	NA
AtMSQTsnp 361	5	7881430	1986	7881187	G	NA
AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 388	5	19316200	761	19315950	C	NA
AtMSQTsnp 404	5	23270994	1391	23270845	T	NA
AtMSQTsnp 410	5	26120955	596	26120843	G	NA
AtMSQTsnp 412	5	26379972	2302	26379717	T	NA

5.81 strain Fei-0(accession id=82)

5.81.1 corresponding ecotype Fei-0(stkparent=CS22645, ecotype id=8294, duplicate=1)

Table 426: accession id=82 vs ecotype id=8294, duplicate=1(nativename=Fei-0, stockparent=CS22645)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	3	5	4	0	3	0	0	0	0	0	0
A	0	11	29	0	0	0	0	0	0	0	0	0
C	0	8	0	23	0	0	0	0	0	0	0	0
G	0	8	0	0	27	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	1	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 427: detailed difference for accession id=82 vs ecotype id=8294, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 18	1	3872591	2224	3872234	C	NA
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 48	1	9497118	930	9496666	NA	C
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 129	2	5804076	407	5803805	A	NA
AtMSQTsnp 130	2	6499679	2098	6499196	NA	T
AtMSQTsnp 140	2	8750047	1072	8749828	NA	A
AtMSQTsnp 142	2	9256095	223	9256049	NA	C
AtMSQTsnp 146	2	10703371	380	10702850	C	NA

AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 184	2	18752840	1423	18752604	A	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 187	3	580470	55	580026	NA	A
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 205	3	7392098	91	7391896	T	NA
AtMSQTsnp 223	3	16489589	2208	16489217	AG	G
AtMSQTsnp 231	3	18590671	883	18590590	A	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	G	NA
AtMSQTsnp 267	4	8297960	499	8297594	T	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 304	4	16272521	2262	16272270	NA	T
AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 310	4	17608924	1999	17608717	NA	A
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 334	5	2244739	1995	2244524	NA	T
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 372	5	15569205	926	15568698	G	NA
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 394	5	20518330	2759	20518241	NA	A
AtMSQTsnp 406	5	23815848	978	23815354	A	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	A

5.81.2 corresponding ecotype Fei-0(stkparent=CS22645, ecotype id=8215, duplicate=1)

Table 428: accession id=82 vs ecotype id=8215, duplicate=1(nativename=Fei-0, stockparent=CS22645)

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

Table 429: detailed difference for accession id=82 vs ecotype id=8215, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 48	1	9497118	930	9496666	NA	C
AtMSQTsnp 61	1	13395892	1673	13395451	NA	C
AtMSQTsnp 73	1	20175347	1477	20174753	C	NA
AtMSQTsnp 130	2	6499679	2098	6499196	NA	T
AtMSQTsnp 140	2	8750047	1072	8749828	NA	A
AtMSQTsnp 142	2	9256095	223	9256049	NA	C
AtMSQTsnp 146	2	10703371	380	10702850	C	NA
AtMSQTsnp 156	2	12658862	2572	12658576	NA	C
AtMSQTsnp 187	3	580470	55	580026	NA	A
AtMSQTsnp 188	3	2072780	649	2072648	T	NA
AtMSQTsnp 223	3	16489589	2208	16489217	AG	G
AtMSQTsnp 232	3	18980664	829	18980171	A	AC
AtMSQTsnp 304	4	16272521	2262	16272270	NA	T
AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 310	4	17608924	1999	17608717	NA	A
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 334	5	2244739	1995	2244524	NA	T
AtMSQTsnp 394	5	20518330	2759	20518241	NA	A
AtMSQTsnp 415	5	26708459	2711	26707937	NA	A

5.82 strain Se-0(accession id=83)

5.82.1 corresponding ecotype Se-0(stkparent=CS22646, ecotype id=6961, duplicate=1)

Table 430: accession id=83 vs ecotype id=6961, duplicate=1(nativename=Se-0, stockparent=CS22646)

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

Table 431: detailed difference for accession id=83 vs ecotype id=6961, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 53	1	10423708	948	10423483	NA	T
AtMSQTsnp 126	2	2477756	2192	2477306	NA	G
AtMSQTsnp 130	2	6499679	2098	6499196	NA	C
AtMSQTsnp 146	2	10703371	380	10702850	G	NA
AtMSQTsnp 188	3	2072780	649	2072648	T	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 267	4	8297960	499	8297594	C	CT
AtMSQTsnp 304	4	16272521	2262	16272270	NA	T
AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 327	5	1497133	2105	1496987	NA	T

5.82.2 corresponding ecotype Se-0(stkparent=CS22646, ecotype id=8379, duplicate=1)

Table 432: accession id=83 vs ecotype id=8379, duplicate=1(nativename=Se-0, stockparent=CS22646)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	2	0	3	1	2	0	0	0	0	0	0
A	0	9	32	0	0	0	0	0	0	0	0	0
C	0	3	0	18	0	0	0	0	0	0	0	0
G	0	13	0	0	31	0	0	0	0	0	0	0
T	0	4	0	0	0	31	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 433: detailed difference for accession id=83 vs ecotype id=8379, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	G	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 53	1	10423708	948	10423483	NA	T
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 92	1	24292774	672	24292482	A	NA
AtMSQTsnp 126	2	2477756	2192	2477306	NA	G

AtMSQTsnp 129	2	5804076	407	5803805	A	NA
AtMSQTsnp 130	2	6499679	2098	6499196	NA	C
AtMSQTsnp 146	2	10703371	380	10702850	G	NA
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	A	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 205	3	7392098	91	7391896	T	NA
AtMSQTsnp 231	3	18590671	883	18590590	A	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	G	NA
AtMSQTsnp 237	3	20483289	1645	20482976	T	NA
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA
AtMSQTsnp 304	4	16272521	2262	16272270	NA	T
AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.82.3 corresponding ecotype Se-0(stkparent=CS6852, ecotype id=7326, duplicate=1)

Table 434: accession id=83 vs ecotype id=7326, duplicate=1(nativename=Se-0, stockparent=CS6852)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	3	1	4	0	0	0	0	0	0
A	0	5	36	0	0	0	0	0	0	0	0	0
C	0	5	0	14	0	0	0	0	0	0	2	0
G	0	10	0	0	34	0	0	0	0	0	0	0
T	0	7	0	0	0	28	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 435: detailed difference for accession id=83 vs ecotype id=7326, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 12	1	2211033	964	2210982	A	NA
AtMSQTsnp 31	1	5923041	265	5922974	T	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 40	1	7842523	928	7842440	G	NA
AtMSQTsnp 53	1	10423708	948	10423483	NA	T
AtMSQTsnp 54	1	10720273	860	10719833	G	NA
AtMSQTsnp 61	1	13395892	1673	13395451	NA	T
AtMSQTsnp 73	1	20175347	1477	20174753	C	NA
AtMSQTsnp 76	1	21908667	2670	21908157	T	NA
AtMSQTsnp 87	1	23381760	312	23381443	C	NA
AtMSQTsnp 126	2	2477756	2192	2477306	NA	G
AtMSQTsnp 130	2	6499679	2098	6499196	NA	C
AtMSQTsnp 142	2	9256095	223	9256049	T	NA
AtMSQTsnp 146	2	10703371	380	10702850	G	NA
AtMSQTsnp 188	3	2072780	649	2072648	T	NA
AtMSQTsnp 197	3	4818602	435	4818362	A	NA
AtMSQTsnp 203	3	6890665	73	6890596	A	NA
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 242	3	21632608	138	21632379	C	NA
AtMSQTsnp 267	4	8297960	499	8297594	C	CT
AtMSQTsnp 274	4	9213312	2778	9213072	T	NA
AtMSQTsnp 294	4	13576588	960	13576336	G	NA
AtMSQTsnp 304	4	16272521	2262	16272270	NA	T
AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 312	4	17803781	1985	17803605	C	CT
AtMSQTsnp 315	4	18560343	2289	18560103	T	NA

AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 327	5	1497133	2105	1496987	NA	T
AtMSQTsnp 334	5	2244739	1995	2244524	C	NA
AtMSQTsnp 343	5	3606967	538	3606683	C	NA
AtMSQTsnp 355	5	6708014	547	6707732	T	NA
AtMSQTsnp 359	5	7442381	1363	7442039	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 370	5	15065196	756	15065018	G	NA
AtMSQTsnp 378	5	17171676	1489	17171242	G	NA
AtMSQTsnp 394	5	20518330	2759	20518241	A	NA

5.83 strain Ts-1(accession id=84)

5.83.1 corresponding ecotype Ts-1(stkparent=CS6868, ecotype id=7366, duplicate=1)

Table 436: accession id=84 vs ecotype id=7366, duplicate=1(nativename=Ts-1, stockparent=CS6868)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	1	5	2	1	0	0	0	0	0	0
A	0	1	35	0	0	0	0	0	0	0	0	0
C	0	1	0	21	0	0	0	0	0	0	0	0
G	0	2	0	0	39	0	0	0	0	0	0	0
T	0	1	0	0	0	39	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 437: detailed difference for accession id=84 vs ecotype id=7366, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 63	1	13712241	345	13711856	NA	C
AtMSQTsnp 73	1	20175347	1477	20174753	C	NA
AtMSQTsnp 145	2	10566917	381	10566416	NA	T
AtMSQTsnp 164	2	14003409	2631	14003272	NA	C
AtMSQTsnp 177	2	17859964	118	17859576	NA	G
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 323	5	872350	532	872097	NA	A
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 373	5	15767945	1190	15767914	NA	G

5.83.2 corresponding ecotype Ts-1(stkparent=CS22647, ecotype id=6970, duplicate=1)

Table 438: accession id=84 vs ecotype id=6970, duplicate=1(nativename=Ts-1, stockparent=CS22647)

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

Table 439: detailed difference for accession id=84 vs ecotype id=6970, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 63	1	13712241	345	13711856	NA	C
AtMSQTsnp 73	1	20175347	1477	20174753	C	NA
AtMSQTsnp 108	1	28666837	343	28666569	G	NA
AtMSQTsnp 145	2	10566917	381	10566416	NA	T
AtMSQTsnp 146	2	10703371	380	10702850	G	NA
AtMSQTsnp 164	2	14003409	2631	14003272	NA	C
AtMSQTsnp 177	2	17859964	118	17859576	NA	G
AtMSQTsnp 222	3	15880426	823	15879997	T	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	AC
AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 312	4	17803781	1985	17803605	T	NA
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 323	5	872350	532	872097	NA	A
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA

5.83.3 corresponding ecotype Ts-1(stkparent=CS22647, ecotype id=8392, duplicate=1)

Table 440: accession id=84 vs ecotype id=8392, duplicate=1(nativename=Ts-1, stockparent=CS22647)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	2	1	4	2	1	0	0	0	0	0	0
A	0	10	26	0	0	0	0	0	0	0	0	0
C	0	3	0	19	0	0	0	0	0	0	0	0
G	0	12	0	0	29	0	0	0	0	0	0	0
T	0	4	0	0	0	36	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 441: detailed difference for accession id=84 vs ecotype id=8392, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	G	NA
AtMSQTsnp 30	1	5629159	2156	5628596	T	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	G	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 63	1	13712241	345	13711856	NA	C
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 92	1	24292774	672	24292482	A	NA
AtMSQTsnp 129	2	5804076	407	5803805	A	NA
AtMSQTsnp 145	2	10566917	381	10566416	NA	T
AtMSQTsnp 146	2	10703371	380	10702850	G	NA
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 177	2	17859964	118	17859576	NA	G
AtMSQTsnp 184	2	18752840	1423	18752604	A	NA
AtMSQTsnp 186	3	298210	777	297801	A	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 205	3	7392098	91	7391896	T	NA
AtMSQTsnp 231	3	18590671	883	18590590	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	G	NA
AtMSQTsnp 267	4	8297960	499	8297594	C	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 323	5	872350	532	872097	NA	A
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA

AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 372	5	15569205	926	15568698	G	NA
AtMSQTsnp 373	5	15767945	1190	15767914	NA	G
AtMSQTsnp 392	5	20409250	994	20408706	A	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.84 strain Ts-5(accession id=85)

5.84.1 corresponding ecotype Ts-5(stkparent=CS22648, ecotype id=8393, duplicate=1)

Table 442: accession id=85 vs ecotype id=8393, duplicate=1(nativename=Ts-5, stockparent=CS22648)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	2	0	2	0	1	0	0	0	0	0	0
A	0	12	29	0	0	0	0	0	0	0	0	0
C	0	5	0	22	0	0	0	0	0	0	0	0
G	0	9	0	0	32	0	0	0	0	0	0	0
T	0	5	0	0	0	30	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 443: detailed difference for accession id=85 vs ecotype id=8393, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	G	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	G	NA
AtMSQTsnp 60	1	12357583	1973	12357044	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 92	1	24292774	672	24292482	A	NA
AtMSQTsnp 129	2	5804076	407	5803805	A	NA
AtMSQTsnp 142	2	9256095	223	9256049	NA	T
AtMSQTsnp 145	2	10566917	381	10566416	NA	C
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	C	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	A	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 205	3	7392098	91	7391896	T	NA
AtMSQTsnp 231	3	18590671	883	18590590	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	G	NA
AtMSQTsnp 237	3	20483289	1645	20482976	T	NA
AtMSQTsnp 267	4	8297960	499	8297594	C	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 370	5	15065196	756	15065018	A	NA
AtMSQTsnp 372	5	15569205	926	15568698	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.84.2 corresponding ecotype Ts-5(stkparent=CS6871, ecotype id=7369, duplicate=1)

Table 444: accession id=85 vs ecotype id=7369, duplicate=1(nativename=Ts-5, stockparent=CS6871)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	3	1	1	0	0	0	0	0	0
A	0	0	40	0	1	0	0	0	0	0	0	0
C	0	2	0	24	0	0	0	0	0	0	1	0
G	0	2	0	0	39	0	0	0	0	0	0	0
T	0	1	0	0	0	34	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 445: detailed difference for accession id=85 vs ecotype id=7369, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 30	1	5629159	2156	5628596	NA	C
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 138	2	8371133	373	8370574	C	NA
AtMSQTsnp 142	2	9256095	223	9256049	NA	T
AtMSQTsnp 145	2	10566917	381	10566416	NA	C
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 267	4	8297960	499	8297594	C	CT
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 370	5	15065196	756	15065018	A	G
AtMSQTsnp 392	5	20409250	994	20408706	NA	G
AtMSQTsnp 398	5	22116788	642	22116605	C	NA
AtMSQTsnp 409	5	26029439	2404	26029366	T	NA

5.84.3 corresponding ecotype Ts-5(stkparent=CS22648, ecotype id=6971, duplicate=1)

Table 446: accession id=85 vs ecotype id=6971, duplicate=1(nativename=Ts-5, stockparent=CS22648)

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

Table 447: detailed difference for accession id=85 vs ecotype id=6971, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 30	1	5629159	2156	5628596	NA	C
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 142	2	9256095	223	9256049	NA	T
AtMSQTsnp 145	2	10566917	381	10566416	NA	C
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 267	4	8297960	499	8297594	C	CT
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 370	5	15065196	756	15065018	A	G
AtMSQTsnp 392	5	20409250	994	20408706	NA	G
AtMSQTsnp 398	5	22116788	642	22116605	C	NA
AtMSQTsnp 409	5	26029439	2404	26029366	T	NA

5.85 strain Pro-0(accession id=86)

5.85.1 corresponding ecotype Pro-0(stkparent=CS22649, ecotype id=8360, duplicate=1)

Table 448: accession id=86 vs ecotype id=8360, duplicate=1(nativename=Pro-0, stockparent=CS22649)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	3	2	2	0	0	1	0	0	0	0	0
A	0	6	35	0	0	0	0	0	0	0	0	0
C	0	3	0	23	0	0	0	0	0	0	0	0
G	0	14	0	0	30	0	0	0	0	0	0	0
T	0	7	0	0	0	21	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 449: detailed difference for accession id=86 vs ecotype id=8360, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	G	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 38	1	7449598	2136	7449482	NA	A
AtMSQTsnp 41	1	8015448	855	8014943	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	G	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 63	1	13712241	345	13711856	NA	AC
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 85	1	23155780	668	23155464	NA	A
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 129	2	5804076	407	5803805	A	NA
AtMSQTsnp 142	2	9256095	223	9256049	NA	C
AtMSQTsnp 146	2	10703371	380	10702850	G	NA
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 205	3	7392098	91	7391896	T	NA
AtMSQTsnp 235	3	19930624	833	19930188	G	NA
AtMSQTsnp 237	3	20483289	1645	20482976	T	NA
AtMSQTsnp 267	4	8297960	499	8297594	T	NA
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 372	5	15569205	926	15568698	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.85.2 corresponding ecotype Pro-0(stkparent=CS22649, ecotype id=8213, duplicate=1)

Table 450: accession id=86 vs ecotype id=8213, duplicate=1(nativename=Pro-0, stockparent=CS22649)

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

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

Table 451: detailed difference for accession id=86 vs ecotype id=8213, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 2	1	112907	847	112445	A	NA
AtMSQTsnp 8	1	993374	1042	992824	A	NA
AtMSQTsnp 14	1	2775956	1649	2775589	T	NA
AtMSQTsnp 15	1	2844525	1139	2844111	T	NA
AtMSQTsnp 21	1	4142539	2625	4142402	NA	C
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 38	1	7449598	2136	7449482	NA	A
AtMSQTsnp 57	1	11655519	273	11655171	C	NA
AtMSQTsnp 62	1	13541648	808	13541490	G	NA
AtMSQTsnp 88	1	23395010	1071	23394478	G	NA
AtMSQTsnp 90	1	23893336	69	23893276	T	NA
AtMSQTsnp 100	1	25717887	1758	25717715	G	NA
AtMSQTsnp 114	1	30214313	1800	30213917	G	NA
AtMSQTsnp 123	2	1798445	2109	1798324	A	NA
AtMSQTsnp 130	2	6499679	2098	6499196	T	NA
AtMSQTsnp 132	2	7072955	367	7072571	C	NA
AtMSQTsnp 138	2	8371133	373	8370574	C	NA
AtMSQTsnp 142	2	9256095	223	9256049	NA	C
AtMSQTsnp 159	2	13265124	2127	13265029	T	NA
AtMSQTsnp 169	2	15801542	396	15801112	T	NA
AtMSQTsnp 174	2	17121378	2453	17121159	G	NA
AtMSQTsnp 188	3	2072780	649	2072648	T	NA
AtMSQTsnp 220	3	11398207	1053	11398071	A	NA
AtMSQTsnp 231	3	18590671	883	18590590	G	NA
AtMSQTsnp 232	3	18980664	829	18980171	C	NA
AtMSQTsnp 244	3	23053878	1662	23053771	G	NA
AtMSQTsnp 254	4	2441217	233	2440917	C	NA
AtMSQTsnp 288	4	11984772	1376	11984495	A	NA
AtMSQTsnp 304	4	16272521	2262	16272270	T	NA
AtMSQTsnp 306	4	16742071	2714	16741855	G	NA
AtMSQTsnp 307	4	17038400	2205	17038096	A	NA
AtMSQTsnp 310	4	17608924	1999	17608717	A	NA
AtMSQTsnp 350	5	5005750	1459	5005363	A	NA
AtMSQTsnp 361	5	7881430	1986	7881187	A	NA
AtMSQTsnp 388	5	19316200	761	19315950	A	NA
AtMSQTsnp 392	5	20409250	994	20408706	NA	A
AtMSQTsnp 404	5	23270994	1391	23270845	C	NA
AtMSQTsnp 410	5	26120955	596	26120843	A	NA
AtMSQTsnp 412	5	26379972	2302	26379717	A	NA
AtMSQTsnp 415	5	26708459	2711	26707937	A	NA

5.86 strain Ll-0(accession id=87)

5.86.1 corresponding ecotype Ll-0(stkparent=CS6781, ecotype id=7237, duplicate=1)

Table 452: accession id=87 vs ecotype id=7237, duplicate=1(nativename=Ll-0, stockparent=CS6781)

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

Table 453: detailed difference for accession id=87 vs ecotype id=7237, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 41	1	8015448	855	8014943	NA	C
AtMSQTsnp 97	1	24893649	1428	24893448	G	NA
AtMSQTsnp 130	2	6499679	2098	6499196	NA	C
AtMSQTsnp 173	2	16908190	728	16908054	A	NA
AtMSQTsnp 174	2	17121378	2453	17121159	NA	G
AtMSQTsnp 205	3	7392098	91	7391896	NA	T
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 327	5	1497133	2105	1496987	NA	T
AtMSQTsnp 370	5	15065196	756	15065018	NA	G
AtMSQTsnp 379	5	17629384	2039	17629093	NA	A
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	T	NA

5.86.2 corresponding ecotype LL-0(stkparent=CS22650, ecotype id=6933, duplicate=1)

Table 454: accession id=87 vs ecotype id=6933, duplicate=1(nativename=LL-0, stockparent=CS22650)

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

Table 455: detailed difference for accession id=87 vs ecotype id=6933, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 41	1	8015448	855	8014943	NA	C
AtMSQTsnp 97	1	24893649	1428	24893448	G	NA
AtMSQTsnp 130	2	6499679	2098	6499196	NA	C
AtMSQTsnp 174	2	17121378	2453	17121159	NA	G
AtMSQTsnp 205	3	7392098	91	7391896	NA	T
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 327	5	1497133	2105	1496987	NA	T
AtMSQTsnp 370	5	15065196	756	15065018	NA	G
AtMSQTsnp 379	5	17629384	2039	17629093	NA	A
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	T	NA

5.86.3 corresponding ecotype LL-0(stkparent=CS22650, ecotype id=8328, duplicate=1)

Table 456: accession id=87 vs ecotype id=8328, duplicate=1(nativename=LL-0, stockparent=CS22650)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	4	1	1	1	0	0	0	0	0	0	0
A	0	11	23	0	0	0	0	0	0	0	0	0
C	0	7	0	26	0	0	0	0	0	0	0	0
G	0	11	0	0	29	0	0	0	0	0	0	0
T	0	3	0	0	0	31	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 457: detailed difference for accession id=87 vs ecotype id=8328, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 9	1	1042427	1109	1042028	G	NA
AtMSQTsnp 21	1	4142539	2625	4142402	C	NA
AtMSQTsnp 27	1	5206767	1014	5206479	G	NA
AtMSQTsnp 30	1	5629159	2156	5628596	T	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 87	1	23381760	312	23381443	C	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 92	1	24292774	672	24292482	A	NA
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 130	2	6499679	2098	6499196	NA	C
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 174	2	17121378	2453	17121159	NA	G
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	A	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 231	3	18590671	883	18590590	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 237	3	20483289	1645	20482976	C	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 372	5	15569205	926	15568698	G	NA
AtMSQTsnp 379	5	17629384	2039	17629093	NA	A
AtMSQTsnp 392	5	20409250	994	20408706	A	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.87 strain Kondara(accession id=88)

5.87.1 corresponding ecotype Kondara(stkparent=CS22651, ecotype id=8319, duplicate=1)

Table 458: accession id=88 vs ecotype id=8319, duplicate=1(nativename=Kondara, stockparent=CS22651)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	1	0	0	0	0	0	0	0	0	0	0
NA	0	0	3	0	2	1	0	0	0	0	0	0
A	0	11	30	0	1	0	0	0	0	0	0	0
C	0	5	0	30	0	0	0	0	0	0	0	0
G	0	4	0	0	26	0	0	0	0	0	0	0
T	0	5	0	0	0	28	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 459: detailed difference for accession id=88 vs ecotype id=8319, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	G	NA
AtMSQTsnp 30	1	5629159	2156	5628596	T	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	G	NA
AtMSQTsnp 60	1	12357583	1973	12357044	T	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA

AtMSQTsnp 92	1	24292774	672	24292482	A	NA
AtMSQTsnp 114	1	30214313	1800	30213917	A	G
AtMSQTsnp 129	2	5804076	407	5803805	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	C	NA
AtMSQTsnp 164	2	14003409	2631	14003272	A	NA
AtMSQTsnp 170	2	15986354	2292	15986145	C	NA
AtMSQTsnp 174	2	17121378	2453	17121159	NA	A
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 254	4	2441217	233	2440917	-	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 310	4	17608924	1999	17608717	NA	A
AtMSQTsnp 315	4	18560343	2289	18560103	NA	T
AtMSQTsnp 327	5	1497133	2105	1496987	NA	G
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 370	5	15065196	756	15065018	NA	G
AtMSQTsnp 379	5	17629384	2039	17629093	NA	A
AtMSQTsnp 392	5	20409250	994	20408706	A	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.87.2 corresponding ecotype Kondara(stkparent=CS916, ecotype id=7200, duplicate=1)

Table 460: accession id=88 vs ecotype id=7200, duplicate=1(nativename=Kondara, stockparent=CS916)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	1	0	0	0	0	0	0	0	0	0	0
NA	0	0	3	0	2	1	0	0	0	0	0	0
A	0	0	41	0	1	0	0	0	0	0	0	0
C	0	1	0	34	0	0	0	0	0	0	0	0
G	0	1	0	0	29	0	0	0	0	0	0	0
T	0	3	0	0	0	30	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 461: detailed difference for accession id=88 vs ecotype id=7200, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 114	1	30214313	1800	30213917	A	G
AtMSQTsnp 174	2	17121378	2453	17121159	NA	A
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 254	4	2441217	233	2440917	-	NA
AtMSQTsnp 294	4	13576588	960	13576336	T	NA
AtMSQTsnp 310	4	17608924	1999	17608717	NA	A
AtMSQTsnp 315	4	18560343	2289	18560103	NA	T
AtMSQTsnp 327	5	1497133	2105	1496987	NA	G
AtMSQTsnp 370	5	15065196	756	15065018	NA	G
AtMSQTsnp 379	5	17629384	2039	17629093	NA	A
AtMSQTsnp 398	5	22116788	642	22116605	C	NA
AtMSQTsnp 409	5	26029439	2404	26029366	T	NA

5.87.3 corresponding ecotype Kondara(stkparent=CS22651, ecotype id=6929, duplicate=1)

Table 462: accession id=88 vs ecotype id=6929, duplicate=1(nativename=Kondara, stockparent=CS22651)

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

A	0	0	41	0	1	0	0	0	0	0	0	0
C	0	2	0	33	0	0	0	0	0	0	0	0
G	0	1	0	0	29	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 463: detailed difference for accession id=88 vs ecotype id=6929, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 114	1	30214313	1800	30213917	A	G
AtMSQTsnp 174	2	17121378	2453	17121159	NA	A
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 254	4	2441217	233	2440917	-	NA
AtMSQTsnp 304	4	16272521	2262	16272270	C	NA
AtMSQTsnp 310	4	17608924	1999	17608717	NA	A
AtMSQTsnp 315	4	18560343	2289	18560103	NA	T
AtMSQTsnp 327	5	1497133	2105	1496987	NA	G
AtMSQTsnp 370	5	15065196	756	15065018	NA	G
AtMSQTsnp 379	5	17629384	2039	17629093	NA	A
AtMSQTsnp 398	5	22116788	642	22116605	C	NA
AtMSQTsnp 409	5	26029439	2404	26029366	T	NA

5.88 strain Shahdara(accession id=89)

5.88.1 corresponding ecotype Shahdara(stkparent=CS22652, ecotype id=8248, duplicate=1)

Table 464: accession id=89 vs ecotype id=8248, duplicate=1(nativename=Shahdara, stockparent=CS22652)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	1	0	0	0	0	0	0	0	0	0	0
NA	0	8	2	0	0	1	0	0	0	0	0	0
A	0	18	20	0	0	0	0	0	0	0	0	0
C	0	15	0	21	0	0	0	0	0	0	0	0
G	0	14	0	0	18	0	0	0	0	0	0	0
T	0	10	0	0	0	19	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 465: detailed difference for accession id=89 vs ecotype id=8248, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 2	1	112907	847	112445	G	NA
AtMSQTsnp 8	1	993374	1042	992824	A	NA
AtMSQTsnp 14	1	2775956	1649	2775589	T	NA
AtMSQTsnp 15	1	2844525	1139	2844111	C	NA
AtMSQTsnp 27	1	5206767	1014	5206479	G	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 41	1	8015448	855	8014943	C	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 57	1	11655519	273	11655171	C	NA
AtMSQTsnp 58	1	12093546	279	12093079	G	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 62	1	13541648	808	13541490	A	NA
AtMSQTsnp 63	1	13712241	345	13711856	C	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 85	1	23155780	668	23155464	A	NA
AtMSQTsnp 87	1	23381760	312	23381443	C	NA
AtMSQTsnp 88	1	23395010	1071	23394478	A	NA
AtMSQTsnp 90	1	23893336	69	23893276	T	NA

AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 100	1	25717887	1758	25717715	A	NA
AtMSQTsnp 123	2	1798445	2109	1798324	G	NA
AtMSQTsnp 126	2	2477756	2192	2477306	NA	A
AtMSQTsnp 129	2	5804076	407	5803805	A	NA
AtMSQTsnp 130	2	6499679	2098	6499196	T	NA
AtMSQTsnp 132	2	7072955	367	7072571	T	NA
AtMSQTsnp 138	2	8371133	373	8370574	T	NA
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	C	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 169	2	15801542	396	15801112	G	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 220	3	11398207	1053	11398071	G	NA
AtMSQTsnp 231	3	18590671	883	18590590	G	NA
AtMSQTsnp 232	3	18980664	829	18980171	C	NA
AtMSQTsnp 235	3	19930624	833	19930188	G	NA
AtMSQTsnp 237	3	20483289	1645	20482976	C	NA
AtMSQTsnp 244	3	23053878	1662	23053771	A	NA
AtMSQTsnp 254	4	2441217	233	2440917	-	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 288	4	11984772	1376	11984495	G	NA
AtMSQTsnp 304	4	16272521	2262	16272270	C	NA
AtMSQTsnp 307	4	17038400	2205	17038096	T	NA
AtMSQTsnp 310	4	17608924	1999	17608717	A	NA
AtMSQTsnp 315	4	18560343	2289	18560103	NA	T
AtMSQTsnp 321	5	625679	2386	625179	A	NA
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 350	5	5005750	1459	5005363	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	T	NA
AtMSQTsnp 361	5	7881430	1986	7881187	A	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 388	5	19316200	761	19315950	C	NA
AtMSQTsnp 392	5	20409250	994	20408706	A	NA
AtMSQTsnp 404	5	23270994	1391	23270845	T	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA
AtMSQTsnp 410	5	26120955	596	26120843	G	NA
AtMSQTsnp 412	5	26379972	2302	26379717	A	NA

5.89 strain Sorbo(accession id=90)

5.89.1 corresponding ecotype Sorbo(stkparent=CS22653, ecotype id=6963, duplicate=1)

Table 466: accession id=90 vs ecotype id=6963, duplicate=1(nativename=Sorbo, stockparent=CS22653)

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

Table 467: detailed difference for accession id=90 vs ecotype id=6963, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 38	1	7449598	2136	7449482	NA	A
AtMSQTsnp 48	1	9497118	930	9496666	NA	T
AtMSQTsnp 130	2	6499679	2098	6499196	NA	T
AtMSQTsnp 140	2	8750047	1072	8749828	NA	A
AtMSQTsnp 142	2	9256095	223	9256049	NA	C
AtMSQTsnp 173	2	16908190	728	16908054	NA	G
AtMSQTsnp 197	3	4818602	435	4818362	NA	A

AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 244	3	23053878	1662	23053771	NA	A
AtMSQTsnp 254	4	2441217	233	2440917	-	NA
AtMSQTsnp 294	4	13576588	960	13576336	T	NA
AtMSQTsnp 315	4	18560343	2289	18560103	NA	T
AtMSQTsnp 321	5	625679	2386	625179	NA	A
AtMSQTsnp 327	5	1497133	2105	1496987	NA	G
AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 398	5	22116788	642	22116605	C	NA

5.89.2 corresponding ecotype Sorbo(stkparent=CS22653, ecotype id=8381, duplicate=1)

Table 468: accession id=90 vs ecotype id=8381, duplicate=1(nativename=Sorbo, stockparent=CS22653)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	1	0	0	0	0	0	0	0	0	0	0
NA	0	3	5	1	1	4	0	0	0	0	0	0
A	0	11	28	0	0	0	0	0	0	0	0	0
C	0	10	0	26	0	0	0	0	0	0	0	0
G	0	4	0	0	27	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 469: detailed difference for accession id=90 vs ecotype id=8381, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	G	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 41	1	8015448	855	8014943	C	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 48	1	9497118	930	9496666	NA	T
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 87	1	23381760	312	23381443	C	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 92	1	24292774	672	24292482	A	NA
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 130	2	6499679	2098	6499196	NA	T
AtMSQTsnp 140	2	8750047	1072	8749828	NA	A
AtMSQTsnp 142	2	9256095	223	9256049	NA	C
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	C	NA
AtMSQTsnp 164	2	14003409	2631	14003272	A	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 173	2	16908190	728	16908054	NA	G
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 197	3	4818602	435	4818362	NA	A
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 237	3	20483289	1645	20482976	C	NA
AtMSQTsnp 244	3	23053878	1662	23053771	NA	A
AtMSQTsnp 254	4	2441217	233	2440917	-	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 315	4	18560343	2289	18560103	NA	T
AtMSQTsnp 321	5	625679	2386	625179	NA	A
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 360	5	7842993	174	7842900	T	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 392	5	20409250	994	20408706	A	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA
AtMSQTsnp 409	5	26029439	2404	26029366	NA	T

5.89.3 corresponding ecotype Sorbo(stkparent=CS931, ecotype id=7341, duplicate=1)

Table 470: accession id=90 vs ecotype id=7341, duplicate=1(nativename=Sorbo, stockparent=CS931)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	1	0	0	0	0	0	0	0	0	0	0
NA	0	3	6	1	1	3	0	0	0	0	0	0
A	0	2	37	0	0	0	0	0	0	0	0	0
C	0	2	0	34	0	0	0	0	0	0	0	0
G	0	1	0	0	30	0	0	0	0	0	0	0
T	0	2	0	0	0	23	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 471: detailed difference for accession id=90 vs ecotype id=7341, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 12	1	2211033	964	2210982	A	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 38	1	7449598	2136	7449482	NA	A
AtMSQTsnp 48	1	9497118	930	9496666	NA	T
AtMSQTsnp 130	2	6499679	2098	6499196	NA	T
AtMSQTsnp 140	2	8750047	1072	8749828	NA	A
AtMSQTsnp 142	2	9256095	223	9256049	NA	C
AtMSQTsnp 197	3	4818602	435	4818362	NA	A
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 244	3	23053878	1662	23053771	NA	A
AtMSQTsnp 254	4	2441217	233	2440917	-	NA
AtMSQTsnp 294	4	13576588	960	13576336	T	NA
AtMSQTsnp 304	4	16272521	2262	16272270	C	NA
AtMSQTsnp 315	4	18560343	2289	18560103	NA	T
AtMSQTsnp 321	5	625679	2386	625179	NA	A
AtMSQTsnp 327	5	1497133	2105	1496987	NA	G
AtMSQTsnp 370	5	15065196	756	15065018	A	NA
AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 398	5	22116788	642	22116605	C	NA

5.90 strain Kin-0(accession id=91)

5.90.1 corresponding ecotype Kin-0(stkparent=CS22654, ecotype id=8316, duplicate=1)

Table 472: accession id=91 vs ecotype id=8316, duplicate=1(nativename=Kin-0, stockparent=CS22654)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	3	2	5	2	1	0	0	0	0	0	0
A	0	12	24	0	0	0	0	0	0	0	0	0
C	0	4	0	23	0	0	0	0	0	0	1	0
G	0	8	0	0	32	0	0	0	0	0	0	0
T	0	6	0	0	0	23	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 473: detailed difference for accession id=91 vs ecotype id=8316, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 18	1	3872591	2224	3872234	C	NA

AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	T	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 41	1	8015448	855	8014943	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	G	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 87	1	23381760	312	23381443	T	NA
AtMSQTsnp 88	1	23395010	1071	23394478	NA	G
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 108	1	28666837	343	28666569	NA	A
AtMSQTsnp 129	2	5804076	407	5803805	A	NA
AtMSQTsnp 138	2	8371133	373	8370574	C	CT
AtMSQTsnp 142	2	9256095	223	9256049	NA	C
AtMSQTsnp 145	2	10566917	381	10566416	NA	C
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 159	2	13265124	2127	13265029	NA	C
AtMSQTsnp 164	2	14003409	2631	14003272	A	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 184	2	18752840	1423	18752604	A	NA
AtMSQTsnp 186	3	298210	777	297801	A	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 205	3	7392098	91	7391896	T	NA
AtMSQTsnp 231	3	18590671	883	18590590	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	G	NA
AtMSQTsnp 237	3	20483289	1645	20482976	T	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 325	5	1214057	2388	1213621	NA	T
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 373	5	15767945	1190	15767914	NA	G
AtMSQTsnp 406	5	23815848	978	23815354	A	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	A

5.90.2 corresponding ecotype Kin-0(stkparent=CS6755, ecotype id=7193, duplicate=1)

Table 474: accession id=91 vs ecotype id=7193, duplicate=1(nativename=Kin-0, stockparent=CS6755)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	3	5	3	2	0	0	0	0	0	0
A	0	1	35	0	0	0	0	0	0	0	0	0
C	0	1	0	27	0	0	0	0	0	0	0	0
G	0	3	0	0	37	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 475: detailed difference for accession id=91 vs ecotype id=7193, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 88	1	23395010	1071	23394478	NA	G
AtMSQTsnp 108	1	28666837	343	28666569	NA	A
AtMSQTsnp 142	2	9256095	223	9256049	NA	C
AtMSQTsnp 145	2	10566917	381	10566416	NA	C
AtMSQTsnp 146	2	10703371	380	10702850	NA	A
AtMSQTsnp 159	2	13265124	2127	13265029	NA	C
AtMSQTsnp 173	2	16908190	728	16908054	A	NA
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 321	5	625679	2386	625179	NA	C

AtMSQTsnp 325	5	1214057	2388	1213621	NA	T
AtMSQTsnp 327	5	1497133	2105	1496987	NA	T
AtMSQTsnp 373	5	15767945	1190	15767914	NA	G
AtMSQTsnp 392	5	20409250	994	20408706	NA	G
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	A

5.90.3 corresponding ecotype Kin-0(stkparent=CS22654, ecotype id=6926, duplicate=1)

Table 476: accession id=91 vs ecotype id=6926, duplicate=1(nativename=Kin-0, stockparent=CS22654)

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

Table 477: detailed difference for accession id=91 vs ecotype id=6926, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 88	1	23395010	1071	23394478	NA	G
AtMSQTsnp 108	1	28666837	343	28666569	NA	A
AtMSQTsnp 138	2	8371133	373	8370574	C	NA
AtMSQTsnp 142	2	9256095	223	9256049	NA	C
AtMSQTsnp 145	2	10566917	381	10566416	NA	C
AtMSQTsnp 146	2	10703371	380	10702850	NA	A
AtMSQTsnp 159	2	13265124	2127	13265029	NA	C
AtMSQTsnp 214	3	9747261	641	9747158	G	NA
AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 321	5	625679	2386	625179	NA	C
AtMSQTsnp 325	5	1214057	2388	1213621	NA	T
AtMSQTsnp 327	5	1497133	2105	1496987	NA	T
AtMSQTsnp 392	5	20409250	994	20408706	NA	G
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	C	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	A

5.91 strain Ms-0(accession id=92)

5.91.1 corresponding ecotype Ms-0(stkparent=CS22655, ecotype id=6938, duplicate=1)

Table 478: accession id=92 vs ecotype id=6938, duplicate=1(nativename=Ms-0, stockparent=CS22655)

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

Table 479: detailed difference for accession id=92 vs ecotype id=6938, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 108	1	28666837	343	28666569	NA	A
AtMSQTsnp 173	2	16908190	728	16908054	A	G
AtMSQTsnp 177	2	17859964	118	17859576	AG	A
AtMSQTsnp 220	3	11398207	1053	11398071	A	G
AtMSQTsnp 222	3	15880426	823	15879997	G	T
AtMSQTsnp 231	3	18590671	883	18590590	NA	G
AtMSQTsnp 249	4	1055234	482	1055093	AG	A
AtMSQTsnp 254	4	2441217	233	2440917	A	NA
AtMSQTsnp 306	4	16742071	2714	16741855	NA	G
AtMSQTsnp 321	5	625679	2386	625179	NA	A
AtMSQTsnp 323	5	872350	532	872097	AG	G
AtMSQTsnp 325	5	1214057	2388	1213621	NA	T
AtMSQTsnp 327	5	1497133	2105	1496987	G	NA
AtMSQTsnp 331	5	1931167	1633	1931083	G	C
AtMSQTsnp 359	5	7442381	1363	7442039	NA	G

5.91.2 corresponding ecotype Ms-0(stkparent=CS22655, ecotype id=8340, duplicate=1)

Table 480: accession id=92 vs ecotype id=8340, duplicate=1(nativename=Ms-0, stockparent=CS22655)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	2	0	3	1	0	0	0	0	0	0
A	0	8	25	0	1	0	0	0	0	0	0	0
C	0	6	0	26	0	0	0	0	0	0	0	0
G	0	10	0	0	23	0	0	0	0	0	0	0
T	0	7	0	0	0	24	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	2	0	1	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 481: detailed difference for accession id=92 vs ecotype id=8340, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	G	NA
AtMSQTsnp 30	1	5629159	2156	5628596	T	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 41	1	8015448	855	8014943	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	A	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 61	1	13395892	1673	13395451	T	NA
AtMSQTsnp 67	1	17355738	660	17355484	G	NA
AtMSQTsnp 87	1	23381760	312	23381443	C	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 92	1	24292774	672	24292482	A	NA
AtMSQTsnp 108	1	28666837	343	28666569	NA	A
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	C	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 173	2	16908190	728	16908054	A	G
AtMSQTsnp 177	2	17859964	118	17859576	AG	A
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 231	3	18590671	883	18590590	NA	G
AtMSQTsnp 235	3	19930624	833	19930188	G	NA
AtMSQTsnp 249	4	1055234	482	1055093	AG	A
AtMSQTsnp 254	4	2441217	233	2440917	A	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 306	4	16742071	2714	16741855	NA	G
AtMSQTsnp 321	5	625679	2386	625179	NA	A

AtMSQTsnp 323	5	872350	532	872097	AG	G
AtMSQTsnp 325	5	1214057	2388	1213621	NA	T
AtMSQTsnp 327	5	1497133	2105	1496987	G	NA
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 359	5	7442381	1363	7442039	NA	G
AtMSQTsnp 360	5	7842993	174	7842900	T	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 372	5	15569205	926	15568698	G	NA
AtMSQTsnp 392	5	20409250	994	20408706	A	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA

5.91.3 corresponding ecotype Ms-0(stkparent=CS6797, ecotype id=7254, duplicate=1)

Table 482: accession id=92 vs ecotype id=7254, duplicate=1(nativename=Ms-0, stockparent=CS6797)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	1	2	0	1	0	0	0	1	0
A	0	1	32	0	1	0	0	0	0	0	0	0
C	0	0	0	30	0	2	0	0	0	0	0	0
G	0	1	0	0	31	0	0	0	0	1	0	0
T	0	2	2	0	0	26	0	0	0	0	0	1
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	2	0	0	0	0	1	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 483: detailed difference for accession id=92 vs ecotype id=7254, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	T	NA
AtMSQTsnp 108	1	28666837	343	28666569	NA	A
AtMSQTsnp 173	2	16908190	728	16908054	A	G
AtMSQTsnp 177	2	17859964	118	17859576	AG	A
AtMSQTsnp 231	3	18590671	883	18590590	NA	G
AtMSQTsnp 249	4	1055234	482	1055093	AG	A
AtMSQTsnp 254	4	2441217	233	2440917	A	NA
AtMSQTsnp 304	4	16272521	2262	16272270	C	T
AtMSQTsnp 306	4	16742071	2714	16741855	NA	C
AtMSQTsnp 307	4	17038400	2205	17038096	T	A
AtMSQTsnp 312	4	17803781	1985	17803605	C	T
AtMSQTsnp 315	4	18560343	2289	18560103	T	A
AtMSQTsnp 321	5	625679	2386	625179	NA	AC
AtMSQTsnp 325	5	1214057	2388	1213621	NA	CT
AtMSQTsnp 327	5	1497133	2105	1496987	G	NA
AtMSQTsnp 331	5	1931167	1633	1931083	G	CG
AtMSQTsnp 359	5	7442381	1363	7442039	NA	G
AtMSQTsnp 360	5	7842993	174	7842900	T	GT

5.92 strain Bur-0(accession id=93)

5.92.1 corresponding ecotype Bur-0(stkparent=CS22656, ecotype id=8272, duplicate=1)

Table 484: accession id=93 vs ecotype id=8272, duplicate=1(nativename=Bur-0, stockparent=CS22656)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	0	1	3	0	0	0	0	0	0	0
A	0	7	35	0	0	0	0	0	0	0	0	0
C	0	7	0	22	0	0	0	0	0	0	0	0
G	0	8	0	0	26	0	0	0	0	0	0	0
T	0	8	0	0	0	26	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0

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

Table 485: detailed difference for accession id=93 vs ecotype id=8272, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 41	1	8015448	855	8014943	C	NA
AtMSQTsnp 47	1	9343401	929	9343234	C	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 61	1	13395892	1673	13395451	T	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 87	1	23381760	312	23381443	C	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 123	2	1798445	2109	1798324	NA	G
AtMSQTsnp 129	2	5804076	407	5803805	A	NA
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA
AtMSQTsnp 184	2	18752840	1423	18752604	A	NA
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 205	3	7392098	91	7391896	T	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 237	3	20483289	1645	20482976	T	NA
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 306	4	16742071	2714	16741855	NA	G
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	T	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	G	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.92.2 corresponding ecotype Bur-0(stkparent=CS6643, ecotype id=7058, duplicate=1)

Table 486: accession id=93 vs ecotype id=7058, duplicate=1(nativename=Bur-0, stockparent=CS6643)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	1	4	0	0	0	0	0	0	0
A	0	0	42	0	0	0	0	0	0	0	0	0
C	0	0	0	29	0	0	0	0	0	0	0	0
G	0	0	0	0	34	0	0	0	0	0	0	0
T	0	3	0	0	0	31	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 487: detailed difference for accession id=93 vs ecotype id=7058, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	T	NA
AtMSQTsnp 123	2	1798445	2109	1798324	NA	G
AtMSQTsnp 306	4	16742071	2714	16741855	NA	G
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 372	5	15569205	926	15568698	NA	G

AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.92.3 corresponding ecotype Bur-0(stkparent=CS22656, ecotype id=6905, duplicate=1)

Table 488: accession id=93 vs ecotype id=6905, duplicate=1(nativename=Bur-0, stockparent=CS22656)

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

Table 489: detailed difference for accession id=93 vs ecotype id=6905, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 61	1	13395892	1673	13395451	T	NA
AtMSQTsnp 73	1	20175347	1477	20174753	C	NA
AtMSQTsnp 123	2	1798445	2109	1798324	NA	G
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 237	3	20483289	1645	20482976	T	NA
AtMSQTsnp 306	4	16742071	2714	16741855	NA	G
AtMSQTsnp 325	5	1214057	2388	1213621	NA	C
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 360	5	7842993	174	7842900	T	NA
AtMSQTsnp 372	5	15569205	926	15568698	NA	G
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.93 strain Edi-0(accession id=94)

5.93.1 corresponding ecotype Edi-0(stkparent=CS22657, ecotype id=8288, duplicate=1)

Table 490: accession id=94 vs ecotype id=8288, duplicate=1(nativename=Edi-0, stockparent=CS22657)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	3	3	0	0	0	0	0	0	0	0	0
A	0	10	31	0	0	0	0	0	0	0	0	0
C	0	4	0	22	0	0	0	0	0	0	0	0
G	0	10	0	0	28	0	0	0	0	0	0	0
T	0	6	0	0	0	30	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 491: detailed difference for accession id=94 vs ecotype id=8288, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 21	1	4142539	2625	4142402	T	NA
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	T	NA

AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 41	1	8015448	855	8014943	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	C	NA
AtMSQTsnp 58	1	12093546	279	12093079	G	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 61	1	13395892	1673	13395451	C	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 87	1	23381760	312	23381443	C	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 118	2	322335	2465	322253	NA	A
AtMSQTsnp 129	2	5804076	407	5803805	A	NA
AtMSQTsnp 146	2	10703371	380	10702850	G	NA
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	A	NA
AtMSQTsnp 170	2	15986354	2292	15986145	A	NA
AtMSQTsnp 184	2	18752840	1423	18752604	T	NA
AtMSQTsnp 186	3	298210	777	297801	A	NA
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 237	3	20483289	1645	20482976	C	NA
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA
AtMSQTsnp 321	5	625679	2386	625179	NA	A
AtMSQTsnp 331	5	1931167	1633	1931083	G	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	A	NA
AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	G	NA

5.93.2 corresponding ecotype Edi-0(stkparent=CS6688, ecotype id=7111, duplicate=1)

Table 492: accession id=94 vs ecotype id=7111, duplicate=1(nativename=Edi-0, stockparent=CS6688)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	4	1	1	0	0	0	0	0	0	0
A	0	1	40	0	0	0	0	0	0	0	0	0
C	0	0	0	26	0	0	0	0	0	0	0	0
G	0	1	0	0	37	0	0	0	0	0	0	0
T	0	2	0	0	0	34	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 493: detailed difference for accession id=94 vs ecotype id=7111, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 118	2	322335	2465	322253	NA	A
AtMSQTsnp 189	3	2231938	779	2231413	NA	A
AtMSQTsnp 205	3	7392098	91	7391896	NA	C
AtMSQTsnp 214	3	9747261	641	9747158	A	NA
AtMSQTsnp 321	5	625679	2386	625179	NA	A
AtMSQTsnp 327	5	1497133	2105	1496987	NA	G
AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	T	NA

5.93.3 corresponding ecotype Edi-0(stkparent=CS22657, ecotype id=6914, duplicate=1)

Table 494: accession id=94 vs ecotype id=6914, duplicate=1(nativename=Edi-0, stockparent=CS22657)

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

Table 495: detailed difference for accession id=94 vs ecotype id=6914, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 118	2	322335	2465	322253	NA	A
AtMSQTsnp 173	2	16908190	728	16908054	G	NA
AtMSQTsnp 189	3	2231938	779	2231413	NA	A
AtMSQTsnp 205	3	7392098	91	7391896	NA	C
AtMSQTsnp 214	3	9747261	641	9747158	A	NA
AtMSQTsnp 321	5	625679	2386	625179	NA	A
AtMSQTsnp 327	5	1497133	2105	1496987	NA	G
AtMSQTsnp 372	5	15569205	926	15568698	NA	A
AtMSQTsnp 398	5	22116788	642	22116605	G	NA
AtMSQTsnp 409	5	26029439	2404	26029366	T	NA

5.94 strain Oy-0(accession id=95)

5.94.1 corresponding ecotype Oy-0(stkparent=CS22658, ecotype id=8352, duplicate=1)

Table 496: accession id=95 vs ecotype id=8352, duplicate=1(nativename=Oy-0, stockparent=CS22658)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	2	0	0	4	1	0	0	0	0	0	0
A	0	7	32	0	0	0	0	0	0	0	0	0
C	0	9	0	31	0	0	0	0	0	0	0	0
G	0	7	0	0	27	0	0	0	0	0	0	0
T	0	4	0	0	0	22	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 497: detailed difference for accession id=95 vs ecotype id=8352, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	C	NA
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 47	1	9343401	929	9343234	C	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	A	NA
AtMSQTsnp 61	1	13395892	1673	13395451	T	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 87	1	23381760	312	23381443	C	NA
AtMSQTsnp 91	1	24071689	1427	24071203	G	NA
AtMSQTsnp 92	1	24292774	672	24292482	G	NA
AtMSQTsnp 123	2	1798445	2109	1798324	NA	G
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 155	2	12657149	38	12656716	A	NA
AtMSQTsnp 156	2	12658862	2572	12658576	C	NA
AtMSQTsnp 164	2	14003409	2631	14003272	C	NA

AtMSQTsnp 174	2	17121378	2453	17121159	NA	G
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	G	NA
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 267	4	8297960	499	8297594	C	NA
AtMSQTsnp 286	4	11580143	1019	11579700	G	NA
AtMSQTsnp 306	4	16742071	2714	16741855	NA	G
AtMSQTsnp 315	4	18560343	2289	18560103	NA	T
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.94.2 corresponding ecotype Oy-0(stkparent=CS6824, ecotype id=7288, duplicate=1)

Table 498: accession id=95 vs ecotype id=7288, duplicate=1(nativename=Oy-0, stockparent=CS6824)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	1	0	5	1	0	0	0	0	0	0
A	0	3	36	0	0	0	0	0	0	0	0	0
C	0	1	0	39	0	0	0	0	0	0	0	0
G	0	0	0	0	34	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 499: detailed difference for accession id=95 vs ecotype id=7288, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	T	NA
AtMSQTsnp 73	1	20175347	1477	20174753	C	NA
AtMSQTsnp 108	1	28666837	343	28666569	A	NA
AtMSQTsnp 123	2	1798445	2109	1798324	NA	G
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 174	2	17121378	2453	17121159	NA	G
AtMSQTsnp 184	2	18752840	1423	18752604	NA	A
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 306	4	16742071	2714	16741855	NA	G
AtMSQTsnp 315	4	18560343	2289	18560103	NA	T
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 360	5	7842993	174	7842900	NA	G
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.94.3 corresponding ecotype Oy-0(stkparent=CS22658, ecotype id=6946, duplicate=1)

Table 500: accession id=95 vs ecotype id=6946, duplicate=1(nativename=Oy-0, stockparent=CS22658)

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

GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 501: detailed difference for accession id=95 vs ecotype id=6946, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	T	NA
AtMSQTsnp 73	1	20175347	1477	20174753	C	NA
AtMSQTsnp 123	2	1798445	2109	1798324	NA	G
AtMSQTsnp 146	2	10703371	380	10702850	A	NA
AtMSQTsnp 174	2	17121378	2453	17121159	NA	G
AtMSQTsnp 184	2	18752840	1423	18752604	NA	A
AtMSQTsnp 232	3	18980664	829	18980171	A	AC
AtMSQTsnp 306	4	16742071	2714	16741855	NA	G
AtMSQTsnp 315	4	18560343	2289	18560103	NA	T
AtMSQTsnp 327	5	1497133	2105	1496987	T	NA
AtMSQTsnp 360	5	7842993	174	7842900	NA	G
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.95 strain Ws-2(accession id=96)

5.95.1 corresponding ecotype Ws-2(stkparent=CS2360, ecotype id=7399, duplicate=2)

Table 502: accession id=96 vs ecotype id=7399, duplicate=2(nativename=Ws-2, stockparent=CS2360)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	4	2	2	3	0	0	0	0	0	0
A	0	3	25	0	0	0	0	0	0	0	0	0
C	0	0	0	24	0	0	0	0	0	0	0	0
G	0	1	0	0	40	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 503: detailed difference for accession id=96 vs ecotype id=7399, duplicate=2

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 38	1	7449598	2136	7449482	NA	A
AtMSQTsnp 61	1	13395892	1673	13395451	T	NA
AtMSQTsnp 63	1	13712241	345	13711856	A	NA
AtMSQTsnp 73	1	20175347	1477	20174753	T	NA
AtMSQTsnp 100	1	25717887	1758	25717715	NA	A
AtMSQTsnp 130	2	6499679	2098	6499196	NA	T
AtMSQTsnp 142	2	9256095	223	9256049	NA	C
AtMSQTsnp 174	2	17121378	2453	17121159	NA	A
AtMSQTsnp 197	3	4818602	435	4818362	NA	A
AtMSQTsnp 232	3	18980664	829	18980171	A	NA
AtMSQTsnp 278	4	9377790	2783	9377549	NA	G
AtMSQTsnp 292	4	12404111	2534	12403706	NA	T
AtMSQTsnp 304	4	16272521	2262	16272270	NA	C
AtMSQTsnp 315	4	18560343	2289	18560103	NA	T
AtMSQTsnp 370	5	15065196	756	15065018	A	NA
AtMSQTsnp 409	5	26029439	2404	26029366	T	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.95.2 corresponding ecotype Ws-2(stkparent=CS2360, ecotype id=7399, duplicate=1)

Table 504: accession id=96 vs ecotype id=7399, duplicate=1(nativename=Ws-2, stockparent=CS2360)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	4	2	2	4	0	0	0	0	0	0
A	0	3	25	0	0	0	0	0	0	0	0	0
C	0	1	0	23	0	0	0	0	0	0	0	0
G	0	1	0	0	40	0	0	0	0	0	0	0
T	0	1	0	0	0	34	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 505: detailed difference for accession id=96 vs ecotype id=7399, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 38	1	7449598	2136	7449482	NA	A
AtMSQTsnp 63	1	13712241	345	13711856	A	NA
AtMSQTsnp 97	1	24893649	1428	24893448	G	NA
AtMSQTsnp 100	1	25717887	1758	25717715	NA	A
AtMSQTsnp 130	2	6499679	2098	6499196	NA	T
AtMSQTsnp 142	2	9256095	223	9256049	NA	C
AtMSQTsnp 174	2	17121378	2453	17121159	NA	A
AtMSQTsnp 197	3	4818602	435	4818362	NA	A
AtMSQTsnp 214	3	9747261	641	9747158	A	NA
AtMSQTsnp 278	4	9377790	2783	9377549	NA	G
AtMSQTsnp 292	4	12404111	2534	12403706	NA	T
AtMSQTsnp 304	4	16272521	2262	16272270	NA	C
AtMSQTsnp 315	4	18560343	2289	18560103	NA	T
AtMSQTsnp 327	5	1497133	2105	1496987	NA	T
AtMSQTsnp 370	5	15065196	756	15065018	A	NA
AtMSQTsnp 398	5	22116788	642	22116605	C	NA
AtMSQTsnp 409	5	26029439	2404	26029366	T	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.95.3 corresponding ecotype Ws-2(stkparent=CS22659, ecotype id=6981, duplicate=1)

Table 506: accession id=96 vs ecotype id=6981, duplicate=1(nativename=Ws-2, stockparent=CS22659)

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

Table 507: detailed difference for accession id=96 vs ecotype id=6981, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 38	1	7449598	2136	7449482	NA	A
AtMSQTsnp 63	1	13712241	345	13711856	A	NA
AtMSQTsnp 97	1	24893649	1428	24893448	G	NA
AtMSQTsnp 100	1	25717887	1758	25717715	NA	A
AtMSQTsnp 130	2	6499679	2098	6499196	NA	T
AtMSQTsnp 142	2	9256095	223	9256049	NA	C
AtMSQTsnp 174	2	17121378	2453	17121159	NA	A
AtMSQTsnp 197	3	4818602	435	4818362	NA	A
AtMSQTsnp 214	3	9747261	641	9747158	A	NA
AtMSQTsnp 278	4	9377790	2783	9377549	NA	G
AtMSQTsnp 292	4	12404111	2534	12403706	NA	T
AtMSQTsnp 304	4	16272521	2262	16272270	NA	C

AtMSQTsnp 315	4	18560343	2289	18560103	NA	T
AtMSQTsnp 327	5	1497133	2105	1496987	NA	T
AtMSQTsnp 370	5	15065196	756	15065018	A	G
AtMSQTsnp 398	5	22116788	642	22116605	C	NA
AtMSQTsnp 409	5	26029439	2404	26029366	T	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.95.4 corresponding ecotype Ws-2(stkparent=CS22659, ecotype id=8406, duplicate=1)

Table 508: accession id=96 vs ecotype id=8406, duplicate=1(nativename=Ws-2, stockparent=CS22659)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	4	2	2	4	0	0	0	0	0	0
A	0	9	19	0	0	0	0	0	0	0	0	0
C	0	7	0	17	0	0	0	0	0	0	0	0
G	0	7	0	0	34	0	0	0	0	0	0	0
T	0	8	0	0	0	27	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 509: detailed difference for accession id=96 vs ecotype id=8406, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 21	1	4142539	2625	4142402	C	NA
AtMSQTsnp 27	1	5206767	1014	5206479	A	NA
AtMSQTsnp 30	1	5629159	2156	5628596	T	NA
AtMSQTsnp 33	1	6375605	967	6375563	G	NA
AtMSQTsnp 38	1	7449598	2136	7449482	NA	A
AtMSQTsnp 41	1	8015448	855	8014943	C	NA
AtMSQTsnp 47	1	9343401	929	9343234	C	NA
AtMSQTsnp 58	1	12093546	279	12093079	C	NA
AtMSQTsnp 60	1	12357583	1973	12357044	T	NA
AtMSQTsnp 61	1	13395892	1673	13395451	T	NA
AtMSQTsnp 63	1	13712241	345	13711856	A	NA
AtMSQTsnp 67	1	17355738	660	17355484	A	NA
AtMSQTsnp 87	1	23381760	312	23381443	T	NA
AtMSQTsnp 91	1	24071689	1427	24071203	A	NA
AtMSQTsnp 100	1	25717887	1758	25717715	NA	A
AtMSQTsnp 129	2	5804076	407	5803805	G	NA
AtMSQTsnp 130	2	6499679	2098	6499196	NA	T
AtMSQTsnp 142	2	9256095	223	9256049	NA	C
AtMSQTsnp 155	2	12657149	38	12656716	G	NA
AtMSQTsnp 156	2	12658862	2572	12658576	T	NA
AtMSQTsnp 164	2	14003409	2631	14003272	A	NA
AtMSQTsnp 174	2	17121378	2453	17121159	NA	A
AtMSQTsnp 186	3	298210	777	297801	T	NA
AtMSQTsnp 189	3	2231938	779	2231413	A	NA
AtMSQTsnp 197	3	4818602	435	4818362	NA	A
AtMSQTsnp 205	3	7392098	91	7391896	C	NA
AtMSQTsnp 235	3	19930624	833	19930188	A	NA
AtMSQTsnp 237	3	20483289	1645	20482976	T	NA
AtMSQTsnp 267	4	8297960	499	8297594	T	NA
AtMSQTsnp 278	4	9377790	2783	9377549	NA	G
AtMSQTsnp 286	4	11580143	1019	11579700	C	NA
AtMSQTsnp 292	4	12404111	2534	12403706	NA	T
AtMSQTsnp 304	4	16272521	2262	16272270	NA	C
AtMSQTsnp 315	4	18560343	2289	18560103	NA	T
AtMSQTsnp 327	5	1497133	2105	1496987	NA	T
AtMSQTsnp 331	5	1931167	1633	1931083	C	NA
AtMSQTsnp 360	5	7842993	174	7842900	G	NA
AtMSQTsnp 368	5	14216131	1035	14215995	G	NA
AtMSQTsnp 370	5	15065196	756	15065018	A	NA
AtMSQTsnp 372	5	15569205	926	15568698	G	NA
AtMSQTsnp 392	5	20409250	994	20408706	G	NA
AtMSQTsnp 406	5	23815848	978	23815354	A	NA
AtMSQTsnp 415	5	26708459	2711	26707937	NA	G

5.96 strain M3385S(accession id=98)

5.96.1 corresponding ecotype M3385S(stkparent=CS6183, ecotype id=7453, duplicate=1)

Table 510: accession id=98 vs ecotype id=7453, duplicate=1(nativename=M3385S, stockparent=CS6183)

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

5.97 strain Kent(accession id=289)

5.97.1 corresponding ecotype Kent(stkparent=, ecotype id=8238, duplicate=1)

Table 511: accession id=289 vs ecotype id=8238, duplicate=1(nativename=Kent, stockparent=)

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

Table 512: detailed difference for accession id=289 vs ecotype id=8238, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 279	4	9580049	2788	9579976	NA	T

5.98 strain Rsch-4(accession id=290)

5.98.1 corresponding ecotype Rsch-4(stkparent=CS6850, ecotype id=7322, duplicate=1)

Table 513: accession id=290 vs ecotype id=7322, duplicate=1(nativename=Rsch-4, stockparent=CS6850)

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

5.98.2 corresponding ecotype Rsch-4(stkparent=CS1494, ecotype id=8374, duplicate=1)

Table 514: accession id=290 vs ecotype id=8374, duplicate=1(nativename=Rsch-4, stockparent=CS1494)

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

5.99 strain Lund(accession id=292)

5.99.1 corresponding ecotype Lund(stkparent=, ecotype id=8335, duplicate=1)

Table 515: accession id=292 vs ecotype id=8335, duplicate=1(nativename=Lund, stockparent=)

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

Table 516: detailed difference for accession id=292 vs ecotype id=8335, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 279	4	9580049	2788	9579976	NA	T

5.100 strain Kln(accession id=293)

5.100.1 corresponding ecotype Kln(stkparent=CS6003, ecotype id=8239, duplicate=1)

Table 517: accession id=293 vs ecotype id=8239, duplicate=1(nativename=Kln, stockparent=CS6003)

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

5.101 strain NC-6(accession id=294)

5.101.1 corresponding ecotype NC-6(stkparent=, ecotype id=8246, duplicate=1)

Table 518: accession id=294 vs ecotype id=8246, duplicate=1(nativename=NC-6, stockparent=)

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

Table 519: detailed difference for accession id=294 vs ecotype id=8246, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 274	4	9213312	2778	9213072	T	G
AtMSQTsnp 278	4	9377790	2783	9377549	G	A

5.102 strain Vimmerby(accession id=295)

5.102.1 corresponding ecotype Vimmerby(stkparent=, ecotype id=8249, duplicate=1)

Table 520: accession id=295 vs ecotype id=8249, duplicate=1(nativename=Vimmerby, stockparent=)

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

5.103 strain Pu2-8(accession id=296)

5.103.1 corresponding ecotype Pu2-8(stkparent=CS22449, ecotype id=8363, duplicate=1)

Table 521: accession id=296 vs ecotype id=8363, duplicate=1(nativename=Pu2-8, stockparent=CS22449)

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

5.103.2 corresponding ecotype Pu2-8(stkparent=CS22449, ecotype id=6957, duplicate=1)

Table 522: accession id=296 vs ecotype id=6957, duplicate=1(nativename=Pu2-8, stockparent=CS22449)

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

5.104 strain Dem-4(accession id=297)

5.104.1 corresponding ecotype Dem-4(stkparent=, ecotype id=8233, duplicate=1)

Table 523: accession id=297 vs ecotype id=8233, duplicate=1(nativename=Dem-4, stockparent=)

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

Table 524: detailed difference for accession id=297 vs ecotype id=8233, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	NA	A

5.105 strain Kz-13(accession id=298)

5.105.1 corresponding ecotype Kz-13(stkparent=CS22445, ecotype id=8321, duplicate=1)

Table 525: accession id=298 vs ecotype id=8321, duplicate=1(nativename=Kz-13, stockparent=CS22445)

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

5.105.2 corresponding ecotype KZ-13(stkparent=CS22445, ecotype id=6830, duplicate=1)

Table 526: accession id=298 vs ecotype id=6830, duplicate=1(nativename=KZ-13, stockparent=CS22445)

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

5.106 strain Bg-2(accession id=299)

5.106.1 corresponding ecotype Bg-2(stkparent=CS22342, ecotype id=8261, duplicate=1)

Table 527: accession id=299 vs ecotype id=8261, duplicate=1(nativename=Bg-2, stockparent=CS22342)

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

Table 528: detailed difference for accession id=299 vs ecotype id=8261, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 279	4	9580049	2788	9579976	NA	T

5.106.2 corresponding ecotype BG-2(stkparent=CS22342, ecotype id=6709, duplicate=1)

Table 529: accession id=299 vs ecotype id=6709, duplicate=1(nativename=BG-2, stockparent=CS22342)

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

Table 530: detailed difference for accession id=299 vs ecotype id=6709, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 279	4	9580049	2788	9579976	NA	T

5.107 strain Sf-1(accession id=300)

5.107.1 corresponding ecotype Sf-1(stkparent=N6855, ecotype id=8380, duplicate=1)

Table 531: accession id=300 vs ecotype id=8380, duplicate=1(nativename=Sf-1, stockparent=N6855)

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

Table 532: detailed difference for accession id=300 vs ecotype id=8380, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 274	4	9213312	2778	9213072	G	T
AtMSQTsnp 278	4	9377790	2783	9377549	A	G

5.107.2 corresponding ecotype Sf-1(stkparent=CS6855, ecotype id=7327, duplicate=1)

Table 533: accession id=300 vs ecotype id=7327, duplicate=1(nativename=Sf-1, stockparent=CS6855)

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

Table 534: detailed difference for accession id=300 vs ecotype id=7327, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 274	4	9213312	2778	9213072	G	T
AtMSQTsnp 278	4	9377790	2783	9377549	A	G

5.108 strain En-1(accession id=301)

5.108.1 corresponding ecotype En-1(stkparent=N1137, ecotype id=8290, duplicate=1)

Table 535: accession id=301 vs ecotype id=8290, duplicate=1(nativename=En-1, stockparent=N1137)

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

G	0	0	0	0	2	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

5.108.2 corresponding ecotype En-1(stkparent=CS6695, ecotype id=7118, duplicate=1)

Table 536: accession id=301 vs ecotype id=7118, duplicate=1(nativename=En-1, stockparent=CS6695)

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

5.109 strain Gr-1(accession id=302)

5.109.1 corresponding ecotype Gr-1(stkparent=N1199, ecotype id=8300, duplicate=1)

Table 537: accession id=302 vs ecotype id=8300, duplicate=1(nativename=Gr-1, stockparent=N1199)

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

Table 538: detailed difference for accession id=302 vs ecotype id=8300, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	A	NA

5.109.2 corresponding ecotype Gr-1(stkparent=CS6723, ecotype id=7155, duplicate=1)

Table 539: accession id=302 vs ecotype id=7155, duplicate=1(nativename=Gr-1, stockparent=CS6723)

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

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

5.110 strain Ang-0(accession id=303)

5.110.1 corresponding ecotype Ang-0(stkparent=CS6605, ecotype id=6992, duplicate=1)

Table 540: accession id=303 vs ecotype id=6992, duplicate=1(nativename=Ang-0, stockparent=CS6605)

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

Table 541: detailed difference for accession id=303 vs ecotype id=6992, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 279	4	9580049	2788	9579976	C	T

5.110.2 corresponding ecotype Ang-0(stkparent=N949, ecotype id=8254, duplicate=1)

Table 542: accession id=303 vs ecotype id=8254, duplicate=1(nativename=Ang-0, stockparent=N949)

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

5.111 strain PHW-34(accession id=304)

5.111.1 corresponding ecotype PHW-34(stkparent=N6034, ecotype id=8244, duplicate=1)

Table 543: accession id=304 vs ecotype id=8244, duplicate=1(nativename=PHW-34, stockparent=N6034)

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

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

Table 544: detailed difference for accession id=304 vs ecotype id=8244, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 274	4	9213312	2778	9213072	T	G

5.111.2 corresponding ecotype PHW-34(stkparent=CS6094, ecotype id=7505, duplicate=1)

Table 545: accession id=304 vs ecotype id=7505, duplicate=1(nativename=PHW-34, stockparent=CS6094)

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

5.112 strain Bu-0(accession id=305)

5.112.1 corresponding ecotype Bu-0(stkparent=N1007, ecotype id=8271, duplicate=1)

Table 546: accession id=305 vs ecotype id=8271, duplicate=1(nativename=Bu-0, stockparent=N1007)

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

Table 547: detailed difference for accession id=305 vs ecotype id=8271, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 279	4	9580049	2788	9579976	NA	T

5.112.2 corresponding ecotype Bu-0(stkparent=CS6632, ecotype id=7036, duplicate=1)

Table 548: accession id=305 vs ecotype id=7036, duplicate=1(nativename=Bu-0, stockparent=CS6632)

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

A	0	0	1	0	0	0	0	0	0	0	0	0
C	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
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 549: detailed difference for accession id=305 vs ecotype id=7036, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 279	4	9580049	2788	9579976	NA	T

5.113 strain Gd-1(accession id=306)

5.113.1 corresponding ecotype Gd-1(stkparent=CS6716, ecotype id=7161, duplicate=1)

Table 550: accession id=306 vs ecotype id=7161, duplicate=1(nativename=Gd-1, stockparent=CS6716)

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

Table 551: detailed difference for accession id=306 vs ecotype id=7161, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	A	NA

5.113.2 corresponding ecotype Gd-1(stkparent=N1185, ecotype id=8296, duplicate=1)

Table 552: accession id=306 vs ecotype id=8296, duplicate=1(nativename=Gd-1, stockparent=N1185)

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

5.114 strain Hi-0(accession id=307)

5.114.1 corresponding ecotype Hi-0(stkparent=CS6736, ecotype id=7167, duplicate=1)

Table 553: accession id=307 vs ecotype id=7167, duplicate=1(nativename=Hi-0, stockparent=CS6736)

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

Table 554: detailed difference for accession id=307 vs ecotype id=7167, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	NA	A
AtMSQTsnp 279	4	9580049	2788	9579976	NA	C

5.114.2 corresponding ecotype Hi-0(stkparent=N1227, ecotype id=8304, duplicate=1)

Table 555: accession id=307 vs ecotype id=8304, duplicate=1(nativename=Hi-0, stockparent=N1227)

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

Table 556: detailed difference for accession id=307 vs ecotype id=8304, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	NA	A
AtMSQTsnp 279	4	9580049	2788	9579976	NA	T

5.115 strain Hs-0(accession id=308)

5.115.1 corresponding ecotype Hs-0(stkparent=N1237, ecotype id=8310, duplicate=1)

Table 557: accession id=308 vs ecotype id=8310, duplicate=1(nativename=Hs-0, stockparent=N1237)

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

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

Table 558: detailed difference for accession id=308 vs ecotype id=8310, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 274	4	9213312	2778	9213072	G	NA
AtMSQTsnp 278	4	9377790	2783	9377549	G	NA
AtMSQTsnp 279	4	9580049	2788	9579976	NA	T

5.115.2 corresponding ecotype Hs-0(stkparent=CS6905, ecotype id=7162, duplicate=1)

Table 559: accession id=308 vs ecotype id=7162, duplicate=1(nativename=Hs-0, stockparent=CS6905)

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

Table 560: detailed difference for accession id=308 vs ecotype id=7162, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 279	4	9580049	2788	9579976	NA	T

5.116 strain Is-0(accession id=309)

5.116.1 corresponding ecotype Is-0(stkparent=N1241, ecotype id=8312, duplicate=1)

Table 561: accession id=309 vs ecotype id=8312, duplicate=1(nativename=Is-0, stockparent=N1241)

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

Table 562: detailed difference for accession id=309 vs ecotype id=8312, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 279	4	9580049	2788	9579976	NA	C

5.116.2 corresponding ecotype Is-0(stkparent=CS6741, ecotype id=7175, duplicate=1)

Table 563: accession id=309 vs ecotype id=7175, duplicate=1(nativename=Is-0, stockparent=CS6741)

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

Table 564: detailed difference for accession id=309 vs ecotype id=7175, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 274	4	9213312	2778	9213072	T	NA
AtMSQTsnp 279	4	9580049	2788	9579976	NA	C

5.117 strain Jm-0(accession id=310)

5.117.1 corresponding ecotype Jm-0(stkparent=N1259, ecotype id=8313, duplicate=1)

Table 565: accession id=310 vs ecotype id=8313, duplicate=1(nativename=Jm-0, stockparent=N1259)

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

5.117.2 corresponding ecotype Jm-0(stkparent=CS6748, ecotype id=7177, duplicate=1)

Table 566: accession id=310 vs ecotype id=7177, duplicate=1(nativename=Jm-0, stockparent=CS6748)

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

Table 567: detailed difference for accession id=310 vs ecotype id=7177, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 274	4	9213312	2778	9213072	T	NA
AtMSQTsnp 278	4	9377790	2783	9377549	G	NA

5.118 strain Ka-0(accession id=311)

5.118.1 corresponding ecotype Ka-0(stkparent=N1267, ecotype id=8314, duplicate=1)

Table 568: accession id=311 vs ecotype id=8314, duplicate=1(nativename=Ka-0, stockparent=N1267)

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

5.118.2 corresponding ecotype Ka-0(stkparent=CS6752, ecotype id=7182, duplicate=1)

Table 569: accession id=311 vs ecotype id=7182, duplicate=1(nativename=Ka-0, stockparent=CS6752)

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

5.119 strain Rd-0(accession id=312)

5.119.1 corresponding ecotype Rd-0(stkparent=N1483, ecotype id=8411, duplicate=1)

Table 570: accession id=312 vs ecotype id=8411, duplicate=1(nativename=Rd-0, stockparent=N1483)

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

5.119.2 corresponding ecotype Rd-0(stkparent=N1482, ecotype id=8366, duplicate=1)

Table 571: accession id=312 vs ecotype id=8366, duplicate=1(nativename=Rd-0, stockparent=N1482)

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

5.119.3 corresponding ecotype Rd-0(stkparent=CS6845, ecotype id=7318, duplicate=1)

Table 572: accession id=312 vs ecotype id=7318, duplicate=1(nativename=Rd-0, stockparent=CS6845)

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

5.120 strain PHW-2(accession id=313)

5.120.1 corresponding ecotype PHW-2(stkparent=N6002, ecotype id=8243, duplicate=1)

Table 573: accession id=313 vs ecotype id=8243, duplicate=1(nativename=PHW-2, stockparent=N6002)

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

Table 574: detailed difference for accession id=313 vs ecotype id=8243, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	NA	A
AtMSQTsnp 279	4	9580049	2788	9579976	NA	C

5.120.2 corresponding ecotype PHW-2(stkparent=CS6044, ecotype id=7489, duplicate=1)

Table 575: accession id=313 vs ecotype id=7489, duplicate=1(nativename=PHW-2, stockparent=CS6044)

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

Table 576: detailed difference for accession id=313 vs ecotype id=7489, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	NA	A
AtMSQTsnp 279	4	9580049	2788	9579976	NA	C

5.121 strain Seattle-0(accession id=314)

5.121.1 corresponding ecotype Seattle-0(stkparent=N6187, ecotype id=8245, duplicate=1)

Table 577: accession id=314 vs ecotype id=8245, duplicate=1(nativename=Seattle-0, stockparent=N6187)

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

Table 578: detailed difference for accession id=314 vs ecotype id=8245, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	NA	G

5.122 strain Alc-0(accession id=315)

5.122.1 corresponding ecotype Alc-0(stkparent=N1656, ecotype id=8252, duplicate=1)

Table 579: accession id=315 vs ecotype id=8252, duplicate=1(nativename=Alc-0, stockparent=N1656)

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

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

Table 580: detailed difference for accession id=315 vs ecotype id=8252, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 279	4	9580049	2788	9579976	NA	T

5.122.2 corresponding ecotype Alc-0(stkparent=CS1656, ecotype id=6988, duplicate=1)

Table 581: accession id=315 vs ecotype id=6988, duplicate=1(nativename=Alc-0, stockparent=CS1656)

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

Table 582: detailed difference for accession id=315 vs ecotype id=6988, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 279	4	9580049	2788	9579976	NA	T

5.123 strain Bla-1(accession id=316)

5.123.1 corresponding ecotype Bla-1(stkparent=N971, ecotype id=8264, duplicate=1)

Table 583: accession id=316 vs ecotype id=8264, duplicate=1(nativename=Bla-1, stockparent=N971)

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

Table 584: detailed difference for accession id=316 vs ecotype id=8264, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 279	4	9580049	2788	9579976	NA	T

5.123.2 corresponding ecotype Bla-1(stkparent=CS6616, ecotype id=7015, duplicate=1)

Table 585: accession id=316 vs ecotype id=7015, duplicate=1(nativename=Bla-1, stockparent=CS6616)

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

Table 586: detailed difference for accession id=316 vs ecotype id=7015, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 279	4	9580049	2788	9579976	NA	T

5.124 strain Blh-1(accession id=317)

5.124.1 corresponding ecotype Blh-1(stkparent=CS6645, ecotype id=7034, duplicate=1)

Table 587: accession id=317 vs ecotype id=7034, duplicate=1(nativename=Blh-1, stockparent=CS6645)

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

Table 588: detailed difference for accession id=317 vs ecotype id=7034, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 274	4	9213312	2778	9213072	G	T

5.124.2 corresponding ecotype Blh-1(stkparent=N1031, ecotype id=8265, duplicate=1)

Table 589: accession id=317 vs ecotype id=8265, duplicate=1(nativename=Blh-1, stockparent=N1031)

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

5.125 strain Bs-1(accession id=318)

5.125.1 corresponding ecotype Bs-1(stkparent=N997, ecotype id=8270, duplicate=1)

Table 590: accession id=318 vs ecotype id=8270, duplicate=1(nativename=Bs-1, stockparent=N997)

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

5.125.2 corresponding ecotype Bs-1(stkparent=CS6627, ecotype id=7003, duplicate=1)

Table 591: accession id=318 vs ecotype id=7003, duplicate=1(nativename=Bs-1, stockparent=CS6627)

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

5.126 strain Can-0(accession id=319)

5.126.1 corresponding ecotype Can-0(stkparent=N1065, ecotype id=8274, duplicate=1)

Table 592: accession id=319 vs ecotype id=8274, duplicate=1(nativename=Can-0, stockparent=N1065)

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

5.126.2 corresponding ecotype Can-0(stkparent=CS6660, ecotype id=7063, duplicate=1)

Table 593: accession id=319 vs ecotype id=7063, duplicate=1(nativename=Can-0, stockparent=CS6660)

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

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

5.127 strain Cen-0(accession id=320)

5.127.1 corresponding ecotype Cen-0(stkparent=CS6661, ecotype id=7060, duplicate=1)

Table 594: accession id=320 vs ecotype id=7060, duplicate=1(nativename=Cen-0, stockparent=CS6661)

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

5.127.2 corresponding ecotype Cen-0(stkparent=N1067, ecotype id=8275, duplicate=1)

Table 595: accession id=320 vs ecotype id=8275, duplicate=1(nativename=Cen-0, stockparent=N1067)

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

5.128 strain Co(accession id=321)

5.128.1 corresponding ecotype Co(stkparent=N3180, ecotype id=8278, duplicate=1)

Table 596: accession id=321 vs ecotype id=8278, duplicate=1(nativename=Co, stockparent=N3180)

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

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

Table 597: detailed difference for accession id=321 vs ecotype id=8278, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 274	4	9213312	2778	9213072	T	NA
AtMSQTsnp 279	4	9580049	2788	9579976	NA	T

5.128.2 corresponding ecotype Co(stkparent=CS3180, ecotype id=7081, duplicate=1)

Table 598: accession id=321 vs ecotype id=7081, duplicate=1(nativename=Co, stockparent=CS3180)

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

Table 599: detailed difference for accession id=321 vs ecotype id=7081, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	NA	A
AtMSQTsnp 279	4	9580049	2788	9579976	NA	T

5.129 strain Ge-0(accession id=322)

5.129.1 corresponding ecotype Ge-0(stkparent=N1187, ecotype id=8297, duplicate=1)

Table 600: accession id=322 vs ecotype id=8297, duplicate=1(nativename=Ge-0, stockparent=N1187)

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

5.129.2 corresponding ecotype Ge-0(stkparent=CS6717, ecotype id=7144, duplicate=1)

Table 601: accession id=322 vs ecotype id=7144, duplicate=1(nativename=Ge-0, stockparent=CS6717)

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

5.130 strain H55(accession id=323)

5.130.1 corresponding ecotype H55(stkparent=N923, ecotype id=8303, duplicate=1)

Table 602: accession id=323 vs ecotype id=8303, duplicate=1(nativename=H55, stockparent=N923)

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

Table 603: detailed difference for accession id=323 vs ecotype id=8303, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	G	NA

5.130.2 corresponding ecotype H55(stkparent=CS923, ecotype id=7461, duplicate=1)

Table 604: accession id=323 vs ecotype id=7461, duplicate=1(nativename=H55, stockparent=CS923)

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

5.131 strain In-0(accession id=324)

5.131.1 corresponding ecotype In-0(stkparent=N1239, ecotype id=8311, duplicate=1)

Table 605: accession id=324 vs ecotype id=8311, duplicate=1(nativename=In-0, stockparent=N1239)

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

C	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
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 606: detailed difference for accession id=324 vs ecotype id=8311, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 279	4	9580049	2788	9579976	NA	T

5.131.2 corresponding ecotype In-0(stkparent=CS6740, ecotype id=7174, duplicate=1)

Table 607: accession id=324 vs ecotype id=7174, duplicate=1(nativename=In-0, stockparent=CS6740)

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

Table 608: detailed difference for accession id=324 vs ecotype id=7174, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 279	4	9580049	2788	9579976	NA	T

5.132 strain Lc-0(accession id=325)

5.132.1 corresponding ecotype Lc-0(stkparent=N1307, ecotype id=8323, duplicate=1)

Table 609: accession id=325 vs ecotype id=8323, duplicate=1(nativename=Lc-0, stockparent=N1307)

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

5.132.2 corresponding ecotype Lc-0(stkparent=CS6769, ecotype id=7240, duplicate=1)

Table 610: accession id=325 vs ecotype id=7240, duplicate=1(nativename=Lc-0, stockparent=CS6769)

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

5.133 strain Lip-0(accession id=326)

5.133.1 corresponding ecotype Lip-0(stkparent=N1337, ecotype id=8325, duplicate=1)

Table 611: accession id=326 vs ecotype id=8325, duplicate=1(nativename=Lip-0, stockparent=N1337)

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

5.133.2 corresponding ecotype Lip-0(stkparent=CS6780, ecotype id=7235, duplicate=1)

Table 612: accession id=326 vs ecotype id=7235, duplicate=1(nativename=Lip-0, stockparent=CS6780)

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

Table 613: detailed difference for accession id=326 vs ecotype id=7235, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 274	4	9213312	2778	9213072	T	G
AtMSQTsnp 279	4	9580049	2788	9579976	C	T

5.134 strain Lm-2(accession id=327)

5.134.1 corresponding ecotype Lm-2(stkparent=N1345, ecotype id=8329, duplicate=1)

Table 614: accession id=327 vs ecotype id=8329, duplicate=1(nativename=Lm-2, stockparent=N1345)

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

5.134.2 corresponding ecotype Lm-2(stkparent=CS6784, ecotype id=7217, duplicate=1)

Table 615: accession id=327 vs ecotype id=7217, duplicate=1(nativename=Lm-2, stockparent=CS6784)

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

5.135 strain Lu-1(accession id=328)

5.135.1 corresponding ecotype Lu-1(stkparent=N1353, ecotype id=8334, duplicate=1)

Table 616: accession id=328 vs ecotype id=8334, duplicate=1(nativename=Lu-1, stockparent=N1353)

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

Table 617: detailed difference for accession id=328 vs ecotype id=8334, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	NA	G

5.135.2 corresponding ecotype Lu-1(stkparent=CS1352, ecotype id=7243, duplicate=1)

Table 618: accession id=328 vs ecotype id=7243, duplicate=1(nativename=Lu-1, stockparent=CS1352)

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

Table 619: detailed difference for accession id=328 vs ecotype id=7243, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	NA	G

5.136 strain Mir-0(accession id=329)

5.136.1 corresponding ecotype Mir-0(stkparent=CS6798, ecotype id=7253, duplicate=1)

Table 620: accession id=329 vs ecotype id=7253, duplicate=1(nativename=Mir-0, stockparent=CS6798)

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

Table 621: detailed difference for accession id=329 vs ecotype id=7253, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	NA	A

5.136.2 corresponding ecotype Mir-0(stkparent=N1379, ecotype id=8337, duplicate=1)

Table 622: accession id=329 vs ecotype id=8337, duplicate=1(nativename=Mir-0, stockparent=N1379)

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

Table 623: detailed difference for accession id=329 vs ecotype id=8337, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	NA	A

5.137 strain Na-1(accession id=330)

5.137.1 corresponding ecotype Na-1(stkparent=CS6801, ecotype id=7257, duplicate=1)

Table 624: accession id=330 vs ecotype id=7257, duplicate=1(nativename=Na-1, stockparent=CS6801)

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

Table 625: detailed difference for accession id=330 vs ecotype id=7257, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 274	4	9213312	2778	9213072	T	G

5.137.2 corresponding ecotype Na-1(stkparent=N1385, ecotype id=8343, duplicate=1)

Table 626: accession id=330 vs ecotype id=8343, duplicate=1(nativename=Na-1, stockparent=N1385)

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

5.138 strain Nw-0(accession id=331)

5.138.1 corresponding ecotype Nw-0(stkparent=N1409, ecotype id=8348, duplicate=1)

Table 627: accession id=331 vs ecotype id=8348, duplicate=1(nativename=Nw-0, stockparent=N1409)

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

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

Table 628: detailed difference for accession id=331 vs ecotype id=8348, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	NA	G
AtMSQTsnp 279	4	9580049	2788	9579976	NA	T

5.138.2 corresponding ecotype Nw-0(stkparent=CS6811, ecotype id=7258, duplicate=1)

Table 629: accession id=331 vs ecotype id=7258, duplicate=1(nativename=Nw-0, stockparent=CS6811)

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

Table 630: detailed difference for accession id=331 vs ecotype id=7258, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	NA	G
AtMSQTsnp 279	4	9580049	2788	9579976	NA	T

5.139 strain Ost-0(accession id=332)

5.139.1 corresponding ecotype Ost-0(stkparent=N1431, ecotype id=8351, duplicate=1)

Table 631: accession id=332 vs ecotype id=8351, duplicate=1(nativename=Ost-0, stockparent=N1431)

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

Table 632: detailed difference for accession id=332 vs ecotype id=8351, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 279	4	9580049	2788	9579976	NA	C

5.139.2 corresponding ecotype Ost-0(stkparent=CS1430, ecotype id=7285, duplicate=1)

Table 633: accession id=332 vs ecotype id=7285, duplicate=1(nativename=Ost-0, stockparent=CS1430)

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

Table 634: detailed difference for accession id=332 vs ecotype id=7285, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 279	4	9580049	2788	9579976	NA	C

5.140 strain Pa-1(accession id=333)

5.140.1 corresponding ecotype Pa-1(stkparent=N1439, ecotype id=8353, duplicate=1)

Table 635: accession id=333 vs ecotype id=8353, duplicate=1(nativename=Pa-1, stockparent=N1439)

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

5.140.2 corresponding ecotype Pa-1(stkparent=CS6825, ecotype id=7290, duplicate=1)

Table 636: accession id=333 vs ecotype id=7290, duplicate=1(nativename=Pa-1, stockparent=CS6825)

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

Table 637: detailed difference for accession id=333 vs ecotype id=7290, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 279	4	9580049	2788	9579976	T	C

5.141 strain Per-1(accession id=334)

5.141.1 corresponding ecotype Per-1(stkparent=N1445, ecotype id=8354, duplicate=1)

Table 638: accession id=334 vs ecotype id=8354, duplicate=1(nativename=Per-1, stockparent=N1445)

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

Table 639: detailed difference for accession id=334 vs ecotype id=8354, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 274	4	9213312	2778	9213072	NA	G

5.141.2 corresponding ecotype Per-1(stkparent=CS6828, ecotype id=7293, duplicate=1)

Table 640: accession id=334 vs ecotype id=7293, duplicate=1(nativename=Per-1, stockparent=CS6828)

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

Table 641: detailed difference for accession id=334 vs ecotype id=7293, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 274	4	9213312	2778	9213072	NA	G

5.142 strain Petergof(accession id=335)

5.142.1 corresponding ecotype Petergof(stkparent=N926, ecotype id=8355, duplicate=1)

Table 642: accession id=335 vs ecotype id=8355, duplicate=1(nativename=Petergof, stockparent=N926)

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

A	0	0	1	0	0	0	0	0	0	0	0	0
C	0	0	0	1	0	0	0	0	0	0	0	0
G	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
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

5.142.2 corresponding ecotype Petergof(stkparent=CS926, ecotype id=7296, duplicate=1)

Table 643: accession id=335 vs ecotype id=7296, duplicate=1(nativename=Petergof, stockparent=CS926)

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

5.143 strain Pi-0(accession id=336)

5.143.1 corresponding ecotype Pi-0(stkparent=N1455, ecotype id=8356, duplicate=1)

Table 644: accession id=336 vs ecotype id=8356, duplicate=1(nativename=Pi-0, stockparent=N1455)

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

Table 645: detailed difference for accession id=336 vs ecotype id=8356, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 274	4	9213312	2778	9213072	T	G
AtMSQTsnp 279	4	9580049	2788	9579976	C	T

5.143.2 corresponding ecotype Pi-0(stkparent=CS6832, ecotype id=7298, duplicate=1)

Table 646: accession id=336 vs ecotype id=7298, duplicate=1(nativename=Pi-0, stockparent=CS6832)

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

G	0	0	0	0	1	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 647: detailed difference for accession id=336 vs ecotype id=7298, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 274	4	9213312	2778	9213072	T	G
AtMSQTsnp 279	4	9580049	2788	9579976	C	T

5.144 strain Pla-0(accession id=337)

5.144.1 corresponding ecotype Pla-0(stkparent=CS6834, ecotype id=7300, duplicate=1)

Table 648: accession id=337 vs ecotype id=7300, duplicate=1(nativename=Pla-0, stockparent=CS6834)

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

Table 649: detailed difference for accession id=337 vs ecotype id=7300, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	NA	G
AtMSQTsnp 279	4	9580049	2788	9579976	NA	C

5.144.2 corresponding ecotype Pla-0(stkparent=N1459, ecotype id=8357, duplicate=1)

Table 650: accession id=337 vs ecotype id=8357, duplicate=1(nativename=Pla-0, stockparent=N1459)

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

Table 651: detailed difference for accession id=337 vs ecotype id=8357, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	NA	G
AtMSQTsnp 279	4	9580049	2788	9579976	NA	C

5.145 strain Rak-2(accession id=338)

5.145.1 corresponding ecotype Rak-2(stkparent=CS6846, ecotype id=7311, duplicate=1)

Table 652: accession id=338 vs ecotype id=7311, duplicate=1(nativename=Rak-2, stockparent=CS6846)

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

Table 653: detailed difference for accession id=338 vs ecotype id=7311, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	NA	A
AtMSQTsnp 279	4	9580049	2788	9579976	T	C

5.145.2 corresponding ecotype Rak-2(stkparent=N1485, ecotype id=8365, duplicate=1)

Table 654: accession id=338 vs ecotype id=8365, duplicate=1(nativename=Rak-2, stockparent=N1485)

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

Table 655: detailed difference for accession id=338 vs ecotype id=8365, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	NA	G

5.146 strain Rubezhnoe-1(accession id=339)

5.146.1 corresponding ecotype Rubezhnoe-1(stkparent=N927, ecotype id=8375, duplicate=1)

Table 656: accession id=339 vs ecotype id=8375, duplicate=1(nativename=Rubezhnoe-1, stockparent=N927)

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

Table 657: detailed difference for accession id=339 vs ecotype id=8375, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	NA	G
AtMSQTsnp 279	4	9580049	2788	9579976	NA	T

5.146.2 corresponding ecotype Rubezhnoe-1(stkparent=CS927, ecotype id=7323, duplicate=1)

Table 658: accession id=339 vs ecotype id=7323, duplicate=1(nativename=Rubezhnoe-1, stockparent=CS927)

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

Table 659: detailed difference for accession id=339 vs ecotype id=7323, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 274	4	9213312	2778	9213072	G	NA
AtMSQTsnp 278	4	9377790	2783	9377549	NA	G
AtMSQTsnp 279	4	9580049	2788	9579976	NA	T

5.147 strain Santa Clara(accession id=340)

5.147.1 corresponding ecotype Santa Clara(stkparent=CS8069, ecotype id=7329, duplicate=1)

Table 660: accession id=340 vs ecotype id=7329, duplicate=1(nativename=Santa Clara, stockparent=CS8069)

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

Table 661: detailed difference for accession id=340 vs ecotype id=7329, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	NA	A

5.147.2 corresponding ecotype Santa Clara(stkparent=N8069, ecotype id=8377, duplicate=1)

Table 662: accession id=340 vs ecotype id=8377, duplicate=1(nativename=Santa Clara, stockparent=N8069)

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

Table 663: detailed difference for accession id=340 vs ecotype id=8377, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	NA	A

5.148 strain Sap-0(accession id=341)

5.148.1 corresponding ecotype Sap-0(stkparent=N1507, ecotype id=8378, duplicate=1)

Table 664: accession id=341 vs ecotype id=8378, duplicate=1(nativename=Sap-0, stockparent=N1507)

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

Table 665: detailed difference for accession id=341 vs ecotype id=8378, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	NA	G

5.148.2 corresponding ecotype Sap-0(stkparent=CS6854, ecotype id=7339, duplicate=1)

Table 666: accession id=341 vs ecotype id=7339, duplicate=1(nativename=Sap-0, stockparent=CS6854)

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

Table 667: detailed difference for accession id=341 vs ecotype id=7339, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 274	4	9213312	2778	9213072	T	G
AtMSQTsnp 278	4	9377790	2783	9377549	NA	G
AtMSQTsnp 279	4	9580049	2788	9579976	T	C

5.149 strain St-0(accession id=342)

5.149.1 corresponding ecotype St-0(stkparent=N1535, ecotype id=8387, duplicate=1)

Table 668: accession id=342 vs ecotype id=8387, duplicate=1(nativename=St-0, stockparent=N1535)

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

5.149.2 corresponding ecotype St-0(stkparent=CS6863, ecotype id=7348, duplicate=1)

Table 669: accession id=342 vs ecotype id=7348, duplicate=1(nativename=St-0, stockparent=CS6863)

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

Table 670: detailed difference for accession id=342 vs ecotype id=7348, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 279	4	9580049	2788	9579976	T	NA

5.150 strain Stw-0(accession id=343)

5.150.1 corresponding ecotype Stw-0(stkparent=N1539, ecotype id=8388, duplicate=1)

Table 671: accession id=343 vs ecotype id=8388, duplicate=1(nativename=Stw-0, stockparent=N1539)

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

Table 672: detailed difference for accession id=343 vs ecotype id=8388, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	NA	G

5.150.2 corresponding ecotype Stw-0(stkparent=CS6865, ecotype id=7347, duplicate=1)

Table 673: accession id=343 vs ecotype id=7347, duplicate=1(nativename=Stw-0, stockparent=CS6865)

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

Table 674: detailed difference for accession id=343 vs ecotype id=7347, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	NA	G
AtMSQTsnp 279	4	9580049	2788	9579976	T	NA

5.151 strain Ta-0(accession id=344)

5.151.1 corresponding ecotype Ta-0(stkparent=N1549, ecotype id=8389, duplicate=1)

Table 675: accession id=344 vs ecotype id=8389, duplicate=1(nativename=Ta-0, stockparent=N1549)

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

T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 676: detailed difference for accession id=344 vs ecotype id=8389, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	NA	G

5.151.2 corresponding ecotype Ta-0(stkparent=CS6867, ecotype id=7349, duplicate=1)

Table 677: accession id=344 vs ecotype id=7349, duplicate=1(nativename=Ta-0, stockparent=CS6867)

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

Table 678: detailed difference for accession id=344 vs ecotype id=7349, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	NA	G

5.152 strain Tu-0(accession id=345)

5.152.1 corresponding ecotype Tu-0(stkparent=N1567, ecotype id=8395, duplicate=1)

Table 679: accession id=345 vs ecotype id=8395, duplicate=1(nativename=Tu-0, stockparent=N1567)

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

Table 680: detailed difference for accession id=345 vs ecotype id=8395, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	NA	G
AtMSQTsnp 279	4	9580049	2788	9579976	NA	C

5.152.2 corresponding ecotype Tu-0(stkparent=CS6875, ecotype id=7375, duplicate=1)

Table 681: accession id=345 vs ecotype id=7375, duplicate=1(nativename=Tu-0, stockparent=CS6875)

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

Table 682: detailed difference for accession id=345 vs ecotype id=7375, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	NA	G
AtMSQTsnp 279	4	9580049	2788	9579976	NA	C

5.153 strain Fly2-2(accession id=346)

5.153.1 corresponding ecotype Fly2-2(stkparent=, ecotype id=6024, duplicate=1)

Table 683: accession id=346 vs ecotype id=6024, duplicate=1(nativename=Fly2-2, stockparent=)

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

Table 684: detailed difference for accession id=346 vs ecotype id=6024, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	NA	A

5.154 strain Rev-1(accession id=347)

5.154.1 corresponding ecotype Rev-1(stkparent=, ecotype id=8369, duplicate=1)

Table 685: accession id=347 vs ecotype id=8369, duplicate=1(nativename=Rev-1, stockparent=)

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

T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

5.155 strain Hov4-1(accession id=348)

5.155.1 corresponding ecotype Hov4-1(stkparent=, ecotype id=8306, duplicate=1)

Table 686: accession id=348 vs ecotype id=8306, duplicate=1(nativename=Hov4-1, stockparent=)

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

Table 687: detailed difference for accession id=348 vs ecotype id=8306, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 279	4	9580049	2788	9579976	NA	C

5.156 strain San-2(accession id=349)

5.156.1 corresponding ecotype San-2(stkparent=, ecotype id=8247, duplicate=1)

Table 688: accession id=349 vs ecotype id=8247, duplicate=1(nativename=San-2, stockparent=)

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

5.157 strain Lom1-1(accession id=351)

5.157.1 corresponding ecotype Lom1-1(stkparent=, ecotype id=6042, duplicate=2)

Table 689: accession id=351 vs ecotype id=6042, duplicate=2(nativename=Lom1-1, stockparent=)

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

T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 690: detailed difference for accession id=351 vs ecotype id=6042, duplicate=2

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 274	4	9213312	2778	9213072	NA	T
AtMSQTsnp 278	4	9377790	2783	9377549	A	G

5.157.2 corresponding ecotype Lom1-1(stkparent=, ecotype id=6042, duplicate=1)

Table 691: accession id=351 vs ecotype id=6042, duplicate=1(nativename=Lom1-1, stockparent=)

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

Table 692: detailed difference for accession id=351 vs ecotype id=6042, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 274	4	9213312	2778	9213072	NA	G
AtMSQTsnp 278	4	9377790	2783	9377549	A	NA

5.158 strain Di-0(accession id=352)

5.158.1 corresponding ecotype Di-0(stkparent=CS6680, ecotype id=7097, duplicate=1)

Table 693: accession id=352 vs ecotype id=7097, duplicate=1(nativename=Di-0, stockparent=CS6680)

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

Table 694: detailed difference for accession id=352 vs ecotype id=7097, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call

AtMSQTsnp 274	4	9213312	2778	9213072	G	NA
AtMSQTsnp 278	4	9377790	2783	9377549	NA	A
AtMSQTsnp 279	4	9580049	2788	9579976	T	NA

5.159 strain Lill-1(accession id=353)

5.159.1 corresponding ecotype Lill-1(stkparent=, ecotype id=8242, duplicate=1)

Table 695: accession id=353 vs ecotype id=8242, duplicate=1(nativename=Lill-1, stockparent=)

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

Table 696: detailed difference for accession id=353 vs ecotype id=8242, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	NA	G

5.160 strain Br1-6(accession id=354)

5.160.1 corresponding ecotype Br1-6(stkparent=, ecotype id=8231, duplicate=1)

Table 697: accession id=354 vs ecotype id=8231, duplicate=1(nativename=Br1-6, stockparent=)

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

5.161 strain Gul1-2(accession id=356)

5.161.1 corresponding ecotype Gul1-2(stkparent=, ecotype id=8234, duplicate=1)

Table 698: accession id=356 vs ecotype id=8234, duplicate=1(nativename=Gul1-2, stockparent=)

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

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

Table 699: detailed difference for accession id=356 vs ecotype id=8234, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 274	4	9213312	2778	9213072	G	T
AtMSQTsnp 278	4	9377790	2783	9377549	NA	A

5.162 strain B1-2(accession id=357)

5.162.1 corresponding ecotype B1-2(stkparent=, ecotype id=8256, duplicate=1)

Table 700: accession id=357 vs ecotype id=8256, duplicate=1(nativename=B1-2, stockparent=)

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

Table 701: detailed difference for accession id=357 vs ecotype id=8256, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	NA	G

5.163 strain B3-3(accession id=358)

5.163.1 corresponding ecotype B3-3(stkparent=, ecotype id=8257, duplicate=1)

Table 702: accession id=358 vs ecotype id=8257, duplicate=1(nativename=B3-3, stockparent=)

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

5.164 strain B4-1(accession id=359)

5.164.1 corresponding ecotype B4-1(stkparent=, ecotype id=8258, duplicate=1)

Table 703: accession id=359 vs ecotype id=8258, duplicate=1(nativename=B4-1, stockparent=)

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

Table 704: detailed difference for accession id=359 vs ecotype id=8258, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 279	4	9580049	2788	9579976	NA	C

5.165 strain B5-1(accession id=360)

5.165.1 corresponding ecotype B5-1(stkparent=, ecotype id=8259, duplicate=1)

Table 705: accession id=360 vs ecotype id=8259, duplicate=1(nativename=B5-1, stockparent=)

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

Table 706: detailed difference for accession id=360 vs ecotype id=8259, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	NA	G
AtMSQTsnp 279	4	9580049	2788	9579976	NA	C

5.166 strain Dra3-1(accession id=361)

5.166.1 corresponding ecotype Dra3-1(stkparent=, ecotype id=8283, duplicate=1)

Table 707: accession id=361 vs ecotype id=8283, duplicate=1(nativename=Dra3-1, stockparent=)

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

GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 708: detailed difference for accession id=361 vs ecotype id=8283, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	NA	A

5.167 strain Kni-1(accession id=362)

5.167.1 corresponding ecotype Kni-1(stkparent=, ecotype id=6040, duplicate=2)

Table 709: accession id=362 vs ecotype id=6040, duplicate=2(nativename=Kni-1, stockparent=)

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

Table 710: detailed difference for accession id=362 vs ecotype id=6040, duplicate=2

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	NA	A

5.167.2 corresponding ecotype Kni-1(stkparent=, ecotype id=6040, duplicate=1)

Table 711: accession id=362 vs ecotype id=6040, duplicate=1(nativename=Kni-1, stockparent=)

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

Table 712: detailed difference for accession id=362 vs ecotype id=6040, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	NA	A

5.168 strain Stu1-1(accession id=363)

5.168.1 corresponding ecotype Stu1-1(stkparent=, ecotype id=6088, duplicate=1)

Table 713: accession id=363 vs ecotype id=6088, duplicate=1(nativename=Stu1-1, stockparent=)

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

Table 714: detailed difference for accession id=363 vs ecotype id=6088, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 274	4	9213312	2778	9213072	G	T

5.169 strain r-1(accession id=364)

5.169.1 corresponding ecotype r-1(stkparent=, ecotype id=6074, duplicate=2)

Table 715: accession id=364 vs ecotype id=6074, duplicate=2(nativename=r-1, stockparent=)

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

5.169.2 corresponding ecotype r-1(stkparent=, ecotype id=6074, duplicate=1)

Table 716: accession id=364 vs ecotype id=6074, duplicate=1(nativename=r-1, stockparent=)

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

5.170 strain Lis-1(accession id=365)

5.170.1 corresponding ecotype Lis-1(stkparent=, ecotype id=8326, duplicate=1)

Table 717: accession id=365 vs ecotype id=8326, duplicate=1(nativename=Lis-1, stockparent=)

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

Table 718: detailed difference for accession id=365 vs ecotype id=8326, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 274	4	9213312	2778	9213072	NA	G

5.171 strain Lis-2(accession id=366)

5.171.1 corresponding ecotype Lis-2(stkparent=, ecotype id=8222, duplicate=2)

Table 719: accession id=366 vs ecotype id=8222, duplicate=2(nativename=Lis-2, stockparent=)

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

Table 720: detailed difference for accession id=366 vs ecotype id=8222, duplicate=2

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 274	4	9213312	2778	9213072	NA	G
AtMSQTsnp 278	4	9377790	2783	9377549	NA	G

5.171.2 corresponding ecotype Lis-2(stkparent=, ecotype id=8222, duplicate=1)

Table 721: accession id=366 vs ecotype id=8222, duplicate=1(nativename=Lis-2, stockparent=)

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

GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 722: detailed difference for accession id=366 vs ecotype id=8222, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 274	4	9213312	2778	9213072	NA	G
AtMSQTsnp 278	4	9377790	2783	9377549	NA	G

5.172 strain Hovdala-2(accession id=368)

5.172.1 corresponding ecotype Hovdala-2(stkparent=, ecotype id=6039, duplicate=2)

Table 723: accession id=368 vs ecotype id=6039, duplicate=2(nativename=Hovdala-2, stockparent=)

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

5.172.2 corresponding ecotype Hovdala-2(stkparent=, ecotype id=6039, duplicate=1)

Table 724: accession id=368 vs ecotype id=6039, duplicate=1(nativename=Hovdala-2, stockparent=)

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

5.173 strain Tottarp-2(accession id=370)

5.173.1 corresponding ecotype Tottarp-2(stkparent=, ecotype id=6243, duplicate=2)

Table 725: accession id=370 vs ecotype id=6243, duplicate=2(nativename=Tottarp-2, stockparent=)

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

GT	0	0	0	0	0	0	0	0	0	0	0	0

5.173.2 corresponding ecotype Tottarp-2(stkparent=, ecotype id=6243, duplicate=1)

Table 726: accession id=370 vs ecotype id=6243, duplicate=1(nativename=Tottarp-2, stockparent=)

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

5.174 strain Liarum(accession id=371)

5.174.1 corresponding ecotype Liarum(stkparent=, ecotype id=8241, duplicate=1)

Table 727: accession id=371 vs ecotype id=8241, duplicate=1(nativename=Liarum, stockparent=)

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

5.175 strain Kulturen-1(accession id=372)

5.175.1 corresponding ecotype Kulturen-1(stkparent=, ecotype id=8240, duplicate=1)

Table 728: accession id=372 vs ecotype id=8240, duplicate=1(nativename=Kulturen-1, stockparent=)

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

Table 729: detailed difference for accession id=372 vs ecotype id=8240, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	A	NA

5.176 strain Kvlinge-1(accession id=373)

5.176.1 corresponding ecotype Kvlinge-1(stkparent=, ecotype id=8237, duplicate=1)

Table 730: accession id=373 vs ecotype id=8237, duplicate=1(nativename=Kvlinge-1, stockparent=)

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

5.177 strain Eds-1(accession id=374)

5.177.1 corresponding ecotype Eds-1(stkparent=, ecotype id=6016, duplicate=2)

Table 731: accession id=374 vs ecotype id=6016, duplicate=2(nativename=Eds-1, stockparent=)

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

5.177.2 corresponding ecotype Eds-1(stkparent=, ecotype id=6016, duplicate=1)

Table 732: accession id=374 vs ecotype id=6016, duplicate=1(nativename=Eds-1, stockparent=)

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

5.178 strain Nyl-2(accession id=375)

5.178.1 corresponding ecotype Nyl-2(stkparent=, ecotype id=6064, duplicate=1)

Table 733: accession id=375 vs ecotype id=6064, duplicate=1(nativename=Nyl-2, stockparent=)

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

Table 734: detailed difference for accession id=375 vs ecotype id=6064, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 279	4	9580049	2788	9579976	NA	T

5.178.2 corresponding ecotype Nyl-2(stkparent=, ecotype id=6064, duplicate=2)

Table 735: accession id=375 vs ecotype id=6064, duplicate=2(nativename=Nyl-2, stockparent=)

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

Table 736: detailed difference for accession id=375 vs ecotype id=6064, duplicate=2

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 279	4	9580049	2788	9579976	NA	T

5.179 strain Sanna-2(accession id=376)

5.179.1 corresponding ecotype Sanna-2(stkparent=, ecotype id=8376, duplicate=1)

Table 737: accession id=376 vs ecotype id=8376, duplicate=1(nativename=Sanna-2, stockparent=)

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

Table 738: detailed difference for accession id=376 vs ecotype id=8376, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 279	4	9580049	2788	9579976	NA	C

5.180 strain Sr:5(accession id=377)

5.180.1 corresponding ecotype Sr:5(stkparent=, ecotype id=8386, duplicate=1)

Table 739: accession id=377 vs ecotype id=8386, duplicate=1(nativename=Sr:5, stockparent=)

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

Table 740: detailed difference for accession id=377 vs ecotype id=8386, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	NA	G

5.181 strain Duk(accession id=378)

5.181.1 corresponding ecotype Duk(stkparent=, ecotype id=6008, duplicate=2)

Table 741: accession id=378 vs ecotype id=6008, duplicate=2(nativename=Duk, stockparent=)

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

Table 742: detailed difference for accession id=378 vs ecotype id=6008, duplicate=2

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 278	4	9377790	2783	9377549	A	G

5.181.2 corresponding ecotype Duk(stkparent=, ecotype id=6008, duplicate=1)

Table 743: accession id=378 vs ecotype id=6008, duplicate=1(nativename=Duk, stockparent=)

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

5.182 strain Hod(accession id=379)

5.182.1 corresponding ecotype Hod(stkparent=, ecotype id=8235, duplicate=1)

Table 744: accession id=379 vs ecotype id=8235, duplicate=1(nativename=Hod, stockparent=)

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

5.183 strain HSm(accession id=380)

5.183.1 corresponding ecotype HSm(stkparent=, ecotype id=8236, duplicate=1)

Table 745: accession id=380 vs ecotype id=8236, duplicate=1(nativename=HSm, stockparent=)

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

Table 746: detailed difference for accession id=380 vs ecotype id=8236, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 274	4	9213312	2778	9213072	NA	G

5.184 strain DraII-1(accession id=381)

5.184.1 corresponding ecotype DraII-1(stkparent=, ecotype id=8284, duplicate=1)

Table 747: accession id=381 vs ecotype id=8284, duplicate=1(nativename=DraII-1, stockparent=)

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

Table 748: detailed difference for accession id=381 vs ecotype id=8284, duplicate=1

snp	chromosome	position	alignment_id	alignment_start	pcr_call	sequenom_call
AtMSQTsnp 274	4	9213312	2778	9213072	T	G
AtMSQTsnp 278	4	9377790	2783	9377549	AG	A
AtMSQTsnp 279	4	9580049	2788	9579976	CT	T

5.185 strain DraIII-1(accession id=382)

5.185.1 corresponding ecotype DraIII-1(stkparent=, ecotype id=8285, duplicate=1)

Table 749: accession id=382 vs ecotype id=8285, duplicate=1(nativename=DraIII-1, stockparent=)

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

5.186 strain Aa-0(accession id=385)

5.186.1 corresponding ecotype Aa-0(stkparent=CS6600, ecotype id=7000, duplicate=1)

Table 750: accession id=385 vs ecotype id=7000, duplicate=1(nativename=Aa-0, stockparent=CS6600)

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

5.187 strain Abd-0(accession id=386)

5.187.1 corresponding ecotype Abd-0(stkparent=CS932, ecotype id=6986, duplicate=1)

Table 751: accession id=386 vs ecotype id=6986, duplicate=1(nativename=Abd-0, stockparent=CS932)

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

5.188 strain Ak-1(accession id=387)

5.188.1 corresponding ecotype Ak-1(stkparent=CS6602, ecotype id=6987, duplicate=1)

Table 752: accession id=387 vs ecotype id=6987, duplicate=1(nativename=Ak-1, stockparent=CS6602)

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

5.189 strain Ba-1(accession id=388)

5.189.1 corresponding ecotype Ba-1(stkparent=CS6607, ecotype id=7014, duplicate=1)

Table 753: accession id=388 vs ecotype id=7014, duplicate=1(nativename=Ba-1, stockparent=CS6607)

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

5.190 strain Bl-1(accession id=389)

5.190.1 corresponding ecotype Bl-1(stkparent=CS6615, ecotype id=7025, duplicate=1)

Table 754: accession id=389 vs ecotype id=7025, duplicate=1(nativename=Bl-1, stockparent=CS6615)

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

C	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
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

5.191 strain Bla-10(accession id=390)

5.191.1 corresponding ecotype Bla-10(stkparent=CS6622, ecotype id=7016, duplicate=1)

Table 755: accession id=390 vs ecotype id=7016, duplicate=1(nativename=Bla-10, stockparent=CS6622)

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

5.192 strain Ca-0(accession id=391)

5.192.1 corresponding ecotype Ca-0(stkparent=CS6658, ecotype id=7062, duplicate=1)

Table 756: accession id=391 vs ecotype id=7062, duplicate=1(nativename=Ca-0, stockparent=CS6658)

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

5.193 strain Cal-0(accession id=392)

5.193.1 corresponding ecotype Cal-0(stkparent=CS6659, ecotype id=7061, duplicate=1)

Table 757: accession id=392 vs ecotype id=7061, duplicate=1(nativename=Cal-0, stockparent=CS6659)

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

GT	0	0	0	0	0	0	0	0	0	0	0	0

5.194 strain Chi-0(accession id=393)

5.194.1 corresponding ecotype Chi-0(stkparent=CS6664, ecotype id=7072, duplicate=1)

Table 758: accession id=393 vs ecotype id=7072, duplicate=1(nativename=Chi-0, stockparent=CS6664)

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

5.195 strain Cnt-1(accession id=394)

5.195.1 corresponding ecotype Cnt-1(stkparent=CS6921, ecotype id=7064, duplicate=1)

Table 759: accession id=394 vs ecotype id=7064, duplicate=1(nativename=Cnt-1, stockparent=CS6921)

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

5.196 strain Seattle-0(accession id=395)

5.196.1 corresponding ecotype Seattle-0(stkparent=CS6188, ecotype id=7332, duplicate=1)

Table 760: accession id=395 vs ecotype id=7332, duplicate=1(nativename=Seattle-0, stockparent=CS6188)

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

5.197 strain Da-0(accession id=396)

5.197.1 corresponding ecotype Da-0(stkparent=CS6676, ecotype id=7094, duplicate=1)

Table 761: accession id=396 vs ecotype id=7094, duplicate=1(nativename=Da-0, stockparent=CS6676)

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

5.198 strain Da(1)-12(accession id=397)

5.198.1 corresponding ecotype Da(1)-12(stkparent=CS917, ecotype id=7460, duplicate=1)

Table 762: accession id=397 vs ecotype id=7460, duplicate=1(nativename=Da(1)-12, stockparent=CS917)

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

5.199 strain Db-1(accession id=398)

5.199.1 corresponding ecotype Db-1(stkparent=CS6678, ecotype id=7419, duplicate=1)

Table 763: accession id=398 vs ecotype id=7419, duplicate=1(nativename=Db-1, stockparent=CS6678)

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

5.200 strain Di-G(accession id=399)

5.200.1 corresponding ecotype Di-G(stkparent=CS910, ecotype id=7096, duplicate=1)

Table 764: accession id=399 vs ecotype id=7096, duplicate=1(nativename=Di-G, stockparent=CS910)

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

C	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
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

5.201 strain Dra-0(accession id=400)

5.201.1 corresponding ecotype Dra-0(stkparent=CS6685, ecotype id=7103, duplicate=1)

Table 765: accession id=400 vs ecotype id=7103, duplicate=1(nativename=Dra-0, stockparent=CS6685)

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

5.202 strain Ema-1(accession id=401)

5.202.1 corresponding ecotype Ema-1(stkparent=CS6923, ecotype id=7109, duplicate=1)

Table 766: accession id=401 vs ecotype id=7109, duplicate=1(nativename=Ema-1, stockparent=CS6923)

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

5.203 strain Ep-0(accession id=403)

5.203.1 corresponding ecotype Ep-0(stkparent=CS6697, ecotype id=7123, duplicate=1)

Table 767: accession id=403 vs ecotype id=7123, duplicate=1(nativename=Ep-0, stockparent=CS6697)

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

GT	0	0	0	0	0	0	0	0	0	0	0	0

5.204 strain Er-0(accession id=404)

5.204.1 corresponding ecotype Er-0(stkparent=CS6698, ecotype id=7125, duplicate=1)

Table 768: accession id=404 vs ecotype id=7125, duplicate=1(nativename=Er-0, stockparent=CS6698)

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

5.205 strain Est(accession id=405)

5.205.1 corresponding ecotype Est(stkparent=CS6173, ecotype id=7127, duplicate=1)

Table 769: accession id=405 vs ecotype id=7127, duplicate=1(nativename=Est, stockparent=CS6173)

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

5.206 strain Et-0(accession id=406)

5.206.1 corresponding ecotype Et-0(stkparent=CS6702, ecotype id=7130, duplicate=1)

Table 770: accession id=406 vs ecotype id=7130, duplicate=1(nativename=Et-0, stockparent=CS6702)

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

5.207 strain Fr-2(accession id=407)

5.207.1 corresponding ecotype Fr-2(stkparent=CS6708, ecotype id=7133, duplicate=1)

Table 771: accession id=407 vs ecotype id=7133, duplicate=1(nativename=Fr-2, stockparent=CS6708)

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

5.208 strain Gie-0(accession id=408)

5.208.1 corresponding ecotype Gie-0(stkparent=CS6720, ecotype id=7147, duplicate=1)

Table 772: accession id=408 vs ecotype id=7147, duplicate=1(nativename=Gie-0, stockparent=CS6720)

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

5.209 strain Gre-0(accession id=409)

5.209.1 corresponding ecotype Gre-0(stkparent=CS6729, ecotype id=7160, duplicate=1)

Table 773: accession id=409 vs ecotype id=7160, duplicate=1(nativename=Gre-0, stockparent=CS6729)

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

5.210 strain Ha-0(accession id=410)

5.210.1 corresponding ecotype Ha-0(stkparent=CS6733, ecotype id=7163, duplicate=1)

Table 774: accession id=410 vs ecotype id=7163, duplicate=1(nativename=Ha-0, stockparent=CS6733)

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

C	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
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

5.211 strain Hau-0(accession id=411)

5.211.1 corresponding ecotype Hau-0(stkparent=CS6734, ecotype id=7164, duplicate=1)

Table 775: accession id=411 vs ecotype id=7164, duplicate=1(nativename=Hau-0, stockparent=CS6734)

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

5.212 strain Hl-3(accession id=412)

5.212.1 corresponding ecotype Hl-3(stkparent=CS6904, ecotype id=7172, duplicate=1)

Table 776: accession id=412 vs ecotype id=7172, duplicate=1(nativename=Hl-3, stockparent=CS6904)

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

5.213 strain Je-0(accession id=413)

5.213.1 corresponding ecotype Je-0(stkparent=CS6742, ecotype id=7181, duplicate=1)

Table 777: accession id=413 vs ecotype id=7181, duplicate=1(nativename=Je-0, stockparent=CS6742)

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

GT	0	0	0	0	0	0	0	0	0	0	0	0

5.214 strain Jl-3(accession id=414)

5.214.1 corresponding ecotype Jl-3(stkparent=CS6745, ecotype id=7424, duplicate=1)

Table 778: accession id=414 vs ecotype id=7424, duplicate=1(nativename=Jl-3, stockparent=CS6745)

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

5.215 strain Kb-0(accession id=415)

5.215.1 corresponding ecotype Kb-0(stkparent=CS6753, ecotype id=7202, duplicate=1)

Table 779: accession id=415 vs ecotype id=7202, duplicate=1(nativename=Kb-0, stockparent=CS6753)

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

5.216 strain Kil-0(accession id=417)

5.216.1 corresponding ecotype Kil-0(stkparent=CS6754, ecotype id=7192, duplicate=1)

Table 780: accession id=417 vs ecotype id=7192, duplicate=1(nativename=Kil-0, stockparent=CS6754)

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

5.217 strain Li-7(accession id=418)

5.217.1 corresponding ecotype Li-7(stkparent=CS6778, ecotype id=7231, duplicate=1)

Table 781: accession id=418 vs ecotype id=7231, duplicate=1(nativename=Li-7, stockparent=CS6778)

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

5.218 strain Ll-1(accession id=419)

5.218.1 corresponding ecotype Ll-1(stkparent=CS6782, ecotype id=7238, duplicate=1)

Table 782: accession id=419 vs ecotype id=7238, duplicate=1(nativename=Ll-1, stockparent=CS6782)

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

5.219 strain Ma-0(accession id=420)

5.219.1 corresponding ecotype Ma-0(stkparent=CS6789, ecotype id=7245, duplicate=1)

Table 783: accession id=420 vs ecotype id=7245, duplicate=1(nativename=Ma-0, stockparent=CS6789)

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

5.220 strain Mh-0(accession id=421)

5.220.1 corresponding ecotype Mh-0(stkparent=CS6792, ecotype id=7255, duplicate=1)

Table 784: accession id=421 vs ecotype id=7255, duplicate=1(nativename=Mh-0, stockparent=CS6792)

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

C	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
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

5.221 strain Nd-0(accession id=422)

5.221.1 corresponding ecotype Nd-0(stkparent=CS6803, ecotype id=7265, duplicate=1)

Table 785: accession id=422 vs ecotype id=7265, duplicate=1(nativename=Nd-0, stockparent=CS6803)

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

5.222 strain No-0(accession id=423)

5.222.1 corresponding ecotype No-0(stkparent=CS24239, ecotype id=7274, duplicate=1)

Table 786: accession id=423 vs ecotype id=7274, duplicate=1(nativename=No-0, stockparent=CS24239)

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

5.222.2 corresponding ecotype No-0(stkparent=CS6805, ecotype id=7273, duplicate=1)

Table 787: accession id=423 vs ecotype id=7273, duplicate=1(nativename=No-0, stockparent=CS6805)

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

5.222.3 corresponding ecotype No-0(stkparent=CS3081, ecotype id=7275, duplicate=1)

Table 788: accession id=423 vs ecotype id=7275, duplicate=1(nativename=No-0, stockparent=CS3081)

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

5.223 strain Nw-4(accession id=424)

5.223.1 corresponding ecotype Nw-4(stkparent=CS6815, ecotype id=7262, duplicate=1)

Table 789: accession id=424 vs ecotype id=7262, duplicate=1(nativename=Nw-4, stockparent=CS6815)

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

5.224 strain Ob-0(accession id=425)

5.224.1 corresponding ecotype Ob-0(stkparent=CS6816, ecotype id=7276, duplicate=1)

Table 790: accession id=425 vs ecotype id=7276, duplicate=1(nativename=Ob-0, stockparent=CS6816)

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

5.225 strain Or-0(accession id=426)

5.225.1 corresponding ecotype Or-0(stkparent=CS6822, ecotype id=7282, duplicate=1)

Table 791: accession id=426 vs ecotype id=7282, duplicate=1(nativename=Or-0, stockparent=CS6822)

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

5.226 strain Pog-0(accession id=427)

5.226.1 corresponding ecotype Pog-0(stkparent=CS6842, ecotype id=7306, duplicate=1)

Table 792: accession id=427 vs ecotype id=7306, duplicate=1(nativename=Pog-0, stockparent=CS6842)

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

5.227 strain RLD-1(accession id=428)

5.227.1 corresponding ecotype RLD-1(stkparent=CS913, ecotype id=7471, duplicate=1)

Table 793: accession id=428 vs ecotype id=7471, duplicate=1(nativename=RLD-1, stockparent=CS913)

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

5.228 strain Sf-2(accession id=429)

5.228.1 corresponding ecotype Sf-2(stkparent=CS6857, ecotype id=7328, duplicate=1)

Table 794: accession id=429 vs ecotype id=7328, duplicate=1(nativename=Sf-2, stockparent=CS6857)

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

5.229 strain Ste-0(accession id=430)

5.229.1 corresponding ecotype Ste-0(stkparent=CS6864, ecotype id=7346, duplicate=1)

Table 795: accession id=430 vs ecotype id=7346, duplicate=1(nativename=Ste-0, stockparent=CS6864)

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

5.230 strain Te-0(accession id=431)

5.230.1 corresponding ecotype Te-0(stkparent=CS6918, ecotype id=7352, duplicate=1)

Table 796: accession id=431 vs ecotype id=7352, duplicate=1(nativename=Te-0, stockparent=CS6918)

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

5.231 strain Tol-0(accession id=432)

5.231.1 corresponding ecotype Tol-0(stkparent=CS8020, ecotype id=7356, duplicate=1)

Table 797: accession id=432 vs ecotype id=7356, duplicate=1(nativename=Tol-0, stockparent=CS8020)

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

5.232 strain Tu-1(accession id=433)

5.232.1 corresponding ecotype Tu-1(stkparent=CS6876, ecotype id=7376, duplicate=1)

Table 798: accession id=433 vs ecotype id=7376, duplicate=1(nativename=Tu-1, stockparent=CS6876)

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

5.233 strain Uk-4(accession id=434)

5.233.1 corresponding ecotype Uk-4(stkparent=CS6882, ecotype id=7381, duplicate=1)

Table 799: accession id=434 vs ecotype id=7381, duplicate=1(nativename=Uk-4, stockparent=CS6882)

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

5.234 strain WAR(accession id=435)

5.234.1 corresponding ecotype WAR(stkparent=CS8143, ecotype id=7477, duplicate=1)

Table 800: accession id=435 vs ecotype id=7477, duplicate=1(nativename=WAR, stockparent=CS8143)

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

5.235 strain Wt-1(accession id=436)

5.235.1 corresponding ecotype Wt-1(stkparent=CS6892, ecotype id=7406, duplicate=1)

Table 801: accession id=436 vs ecotype id=7406, duplicate=1(nativename=Wt-1, stockparent=CS6892)

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

5.236 strain Zu-1(accession id=437)

5.236.1 corresponding ecotype Zu-1(stkparent=CS6903, ecotype id=7418, duplicate=1)

Table 802: accession id=437 vs ecotype id=7418, duplicate=1(nativename=Zu-1, stockparent=CS6903)

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

6 2010 PCR versus sequenom for each SNP

6.1 SNP AtMSQTsnp 2(chrom=1, pos=112907, alignment id=847, alignment start=112445)

Table 803: SNP AtMSQTsnp 2(chromosome=1, position=112907, alignment id=847, alignment start=112445)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	0	0	0	0	0	0	0	0
A	0	8	119	0	1	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	15	0	0	109	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 804: detailed difference for SNP AtMSQTsnp 2

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	A	NA
Eden-1	CS22572	6912	1	9	A	NA
Bor-1	CS22590	5837	1	27	A	G
Pu2-7	CS22592	6956	1	29	G	NA
HR-5	CS22205	6800	1	33	G	NA
Tamm-2	CS22604	6968	1	41	G	NA
Tamm-27	CS22605	6969	1	42	G	NA
KZ-1	CS22435	6826	1	43	G	NA
KZ-1	CS22606	6930	1	43	G	NA
REN-1	CS22253	6866	1	47	G	NA
Ren-11	CS22611	8368	1	48	G	NA
Ler-1	CS6928	7211	1	55	A	NA

Ws-0	CS22623	6980	1	60	G	NA
Mz-0	CS22636	6940	1	73	G	NA
Mz-0	CS6800	7251	1	73	G	NA
Kas-2	CS22638	6925	1	75	G	NA
Mr-0	CS6795	7429	1	77	G	NA
Mt-0	CS22642	6939	1	79	A	NA
Mt-0	CS6799	7249	1	79	A	NA
Nok-3	CS22643	6945	1	80	A	NA
Nok-3	CS6810	7272	1	80	A	NA
Wa-1	CS22644	6978	1	81	G	NA
Pro-0	CS22649	8213	1	86	A	NA
Shahdara	CS22652	8248	1	89	G	NA

6.2 SNP AtMSQTsnp 4(chrom=1, pos=340810, alignment id=1095, alignment start=340398)

Table 805: SNP AtMSQTsnp 4(chromosome=1, position=340810, alignment id=1095, alignment start=340398)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	2	0	0	0	1	0	0	0	0	0
A	0	6	94	1	0	0	0	0	0	0	0	0
C	0	2	0	141	0	0	0	0	0	0	0	0
G	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
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 806: detailed difference for SNP AtMSQTsnp 4

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	A	NA
Lv-1	CS22574	6043	2	11	A	NA
CIBC-5	CS22224	6730	1	39	A	C
KZ-1	CS22435	6826	1	43	NA	AC
KZ-1	CS22606	6930	1	43	NA	A
Kz-1	CS22606	8320	1	43	NA	A
Uod-7	CS22613	6976	1	50	A	NA
Cvi-0	CS6675	7065	1	51	A	NA
Gu-0	CS22617	6922	1	54	C	NA
Yo-0	CS6901	7416	1	61	C	NA
Ra-0	CS22632	6958	1	69	A	NA
Mt-0	CS22642	6939	1	79	A	NA

6.3 SNP AtMSQTsnp 8(chrom=1, pos=993374, alignment id=1042, alignment start=992824)

Table 807: SNP AtMSQTsnp 8(chromosome=1, position=993374, alignment id=1042, alignment start=992824)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	3	30	0	8	0	0	0	0	0	0	0
A	0	6	145	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	0	0	0	57	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	3	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 808: detailed difference for SNP AtMSQTsnp 8

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
RRS-10	CS22565	8372	1	2	NA	A
KNO-10	CS22410	6809	1	3	NA	A
KNO-10	CS22566	6927	1	3	NA	A
Kno-10	CS22566	8317	1	3	NA	A
Pna-10	CS22571	7526	1	8	NA	A
Pna-10	CS22571	8358	1	8	NA	A
Eden-1	CS22572	6009	1	9	NA	A
Eden-1	CS22572	6009	2	9	NA	A
Eden-1	CS22572	6009	3	9	NA	A
Eden-1	CS22572	6912	1	9	NA	A
Eden-2	CS22573	6913	1	10	NA	G
Eden-2	CS22573	8287	1	10	NA	G
Lv-5	CS22575	6046	1	12	NA	A
Lv-5	CS22575	6046	2	12	NA	A
Lv-5	CS22575	6935	1	12	NA	A
Fb-2	CS22576	6917	1	13	NA	A
Fb-2	CS22576	8292	1	13	NA	A
Fb-4	CS22577	6918	1	14	NA	A
Fb-4	CS22577	8293	1	14	NA	A
Bil-5	CS22578	6900	1	15	NA	A
Bil-5	CS22578	8262	1	15	NA	A
Vr2-1	CS22580	7516	1	17	NA	A
Vr2-1	CS22580	8401	1	17	NA	A
Spr1-6	CS22583	6965	1	20	NA	A
Spr1-6	CS22583	8383	1	20	NA	A
M2-1	CS22584	7518	1	21	NA	A
m2-1	CS22584	8349	1	21	NA	A
Bor-1	CS22590	5837	1	27	NA	A
Bor-1	CS22590	5837	2	27	NA	A
Bor-1	CS22590	6902	1	27	NA	A
Tamm-2	CS22604	6968	1	41	A	NA
Tamm-27	CS22605	6969	1	42	NA	A
Tamm-27	CS22605	8391	1	42	NA	A
Ren-11	CS22611	8368	1	48	A	NA
Wei-0	CS22622	6979	1	59	NA	G
Wei-0	CS6182	7402	1	59	NA	G
Wei-0	CS22622	8404	1	59	NA	G
Van-0	CS22627	6977	1	64	AG	G
Van-0	CS6884	7383	1	64	AG	G
Van-0	CS22627	8400	1	64	AG	G
Br-0	CS22628	6904	1	65	NA	G
Br-0	CS6626	7027	1	65	NA	G
Br-0	CS22628	8269	1	65	NA	G
Mt-0	CS22642	6939	1	79	A	NA
Wa-1	CS22644	6978	1	81	A	NA
Pro-0	CS22649	8213	1	86	A	NA
Shahdara	CS22652	8248	1	89	A	NA

6.4 SNP AtMSQTsnp 9(chrom=1, pos=1042427, alignment id=1109, alignment start=1042028)

Table 809: SNP AtMSQTsnp 9(chromosome=1, position=1042427, alignment id=1109, alignment start=1042028)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	0	3	0	0	0	0	0	0
A	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
G	0	10	0	0	110	0	0	0	0	0	0	1
T	0	4	0	0	0	119	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 810: detailed difference for SNP AtMSQTsnp 9

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	G	NA
Lv-1	CS22574	6043	2	11	G	NA

M2-3	CS22585	7519	1	22	G	NA
HR-10	CS22597	8308	1	34	T	NA
KZ-1	CS22435	6826	1	43	NA	T
KZ-1	CS22606	6930	1	43	NA	T
Kz-1	CS22606	8320	1	43	NA	T
Ren-11	CS22611	8368	1	48	T	NA
Uod-7	CS22613	6976	1	50	T	NA
Cvi-0	CS6675	7065	1	51	T	NA
Gu-0	CS22617	6922	1	54	G	NA
Ler-1	CS6928	7211	1	55	G	GT
Yo-0	CS6901	7416	1	61	G	NA
Ra-0	CS22632	6958	1	69	G	NA
Ra-0	CS6844	7312	1	69	G	NA
Mt-0	CS22642	6939	1	79	G	NA
Mt-0	CS6799	7249	1	79	G	NA
LL-0	CS22650	8328	1	87	G	NA

6.5 SNP AtMSQTsnp 10(chrom=1, pos=1149280, alignment id=1467, alignment start=1149096)

Table 811: SNP AtMSQTsnp 10(chromosome=1, position=1149280, alignment id=1467, alignment start=1149096)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	0	0	0	0	0	0	0	0
A	0	1	89	0	0	0	0	1	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	4	1	0	155	0	0	1	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 812: detailed difference for SNP AtMSQTsnp 10

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	A	NA
CIBC-5	CS22224	6730	1	39	G	A
KZ-1	CS22435	6826	1	43	A	AG
Ren-11	CS22611	8368	1	48	G	NA
Van-0	CS22627	6977	1	64	G	NA
Mr-0	CS6795	7429	1	77	G	AG
Mt-0	CS22642	6939	1	79	G	NA
Wa-1	CS22644	8403	1	81	G	NA

6.6 SNP AtMSQTsnp 11(chrom=1, pos=1602136, alignment id=848, alignment start=1601885)

Table 813: SNP AtMSQTsnp 11(chromosome=1, position=1602136, alignment id=848, alignment start=1601885)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	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
C	0	3	0	79	0	0	0	0	0	0	1	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	5	0	0	0	153	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	3	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 814: detailed difference for SNP AtMSQTsnp 11

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
KNO-18	CS22418	6817	1	4	NA	C
KNO-18	CS22567	6928	1	4	NA	C
Kno-18	CS22567	8318	1	4	NA	C
Eden-1	CS22572	6009	4	9	T	NA
Lv-1	CS22574	6043	2	11	T	NA
Uod-7	CS22613	6976	1	50	T	NA
Cvi-0	CS6675	7065	1	51	C	NA
Gu-0	CS22617	6922	1	54	C	NA
Nd-1	CS1636	7266	1	56	C	CT
Yo-0	CS6901	7416	1	61	T	NA
Van-0	CS22627	6977	1	64	CT	T
Van-0	CS6884	7383	1	64	CT	T
Van-0	CS22627	8400	1	64	CT	T
Ra-0	CS22632	6958	1	69	C	NA
Mt-0	CS22642	6939	1	79	T	NA

6.7 SNP AtMSQTsnp 12(chrom=1, pos=2211033, alignment id=964, alignment start=2210982)

Table 815: SNP AtMSQTsnp 12(chromosome=1, position=2211033, alignment id=964, alignment start=2210982)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	0	0	0	0	0	0	0	0
A	0	10	131	0	1	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	5	4	0	101	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 816: detailed difference for SNP AtMSQTsnp 12

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	G	NA
Lv-1	CS22574	6043	2	11	A	NA
Lv-1	CS22574	6934	1	11	A	NA
Bor-1	CS22590	5837	1	27	A	G
CIBC-5	CS22224	6730	1	39	G	A
Ren-11	CS22611	8368	1	48	G	NA
Uod-7	CS22613	6976	1	50	A	NA
Cvi-0	CS6675	7065	1	51	A	NA
Gu-0	CS22617	6922	1	54	A	NA
Ler-1	CS6928	7211	1	55	G	NA
Nd-1	CS1636	7266	1	56	G	NA
Yo-0	CS6901	7416	1	61	A	NA
Van-0	CS22627	6977	1	64	G	A
Van-0	CS6884	7383	1	64	G	A
Van-0	CS22627	8400	1	64	G	A
Ra-0	CS22632	6958	1	69	A	NA
Ra-0	CS6844	7312	1	69	A	NA
Mt-0	CS22642	6939	1	79	G	NA
Se-0	CS6852	7326	1	83	A	NA
Sorbo	CS931	7341	1	90	A	NA

6.8 SNP AtMSQTsnp 14(chrom=1, pos=2775956, alignment id=1649, alignment start=2775589)

Table 817: SNP AtMSQTsnp 14(chromosome=1, position=2775956, alignment id=1649, alignment start=2775589)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	2	0	0	0	0	0	0	0	0	0
A	0	1	82	0	0	0	0	0	0	0	0	0

C	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
T	0	6	0	0	0	160	0	0	1	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 818: detailed difference for SNP AtMSQTsnp 14

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Rmx-A180	CS22569	7525	1	6	NA	A
Rmx-A180	CS22569	8371	1	6	NA	A
Eden-1	CS22572	6009	4	9	T	NA
Tamm-2	CS22604	6968	1	41	T	NA
Ren-11	CS22611	8368	1	48	T	NA
Mr-0	CS6795	7429	1	77	T	AT
Mt-0	CS22642	6939	1	79	A	NA
Wa-1	CS22644	6978	1	81	T	NA
Pro-0	CS22649	8213	1	86	T	NA
Shahdara	CS22652	8248	1	89	T	NA

6.9 SNP AtMSQTsnp 15(chrom=1, pos=2844525, alignment id=1139, alignment start=2844111)

Table 819: SNP AtMSQTsnp 15(chromosome=1, position=2844525, alignment id=1139, alignment start=2844111)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	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
C	0	5	0	163	0	0	0	0	0	0	1	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	3	0	3	0	72	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 820: detailed difference for SNP AtMSQTsnp 15

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	C	NA
HR-5	CS22596	6924	1	33	T	NA
Tamm-2	CS22604	6968	1	41	C	NA
KZ-1	CS22435	6826	1	43	T	C
KZ-1	CS22606	6930	1	43	T	C
Kz-1	CS22606	8320	1	43	T	C
Ren-11	CS22611	8368	1	48	T	NA
Mr-0	CS6795	7429	1	77	C	CT
Mt-0	CS22642	6939	1	79	C	NA
Wa-1	CS22644	6978	1	81	C	NA
Pro-0	CS22649	8213	1	86	T	NA
Shahdara	CS22652	8248	1	89	C	NA

6.10 SNP AtMSQTsnp 18(chrom=1, pos=3872591, alignment id=2224, alignment start=3872234)

Table 821: SNP AtMSQTsnp 18(chromosome=1, position=3872591, alignment id=2224, alignment start=3872234)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	0	13	2	0	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0

C	0	15	0	156	0	0	0	0	0	0	0	0
G	0	3	0	0	62	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 822: detailed difference for SNP AtMSQTsnp 18

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	G	NA
Vr2-1	CS22580	8401	1	17	G	NA
Spr1-6	CS22583	8383	1	20	G	NA
Zdr-6	CS22589	8410	1	26	C	NA
Lp2-2	CS22594	8332	1	31	C	NA
HR-10	CS22597	6923	1	34	NA	C
HR-10	CS22597	8308	1	34	NA	C
Sq-8	CS22601	8385	1	38	C	NA
CIBC-17	CS22236	6724	1	40	NA	C
CIBC-17	CS22603	6907	1	40	NA	C
CIBC-17	CS22603	8276	1	40	NA	C
Tamm-27	CS22605	6969	1	42	NA	G
Tamm-27	CS22605	8391	1	42	NA	G
Kz-1	CS22606	8320	1	43	C	NA
GOT-22	CS22298	6775	1	46	NA	C
GOT-22	CS22609	6920	1	46	NA	C
Got-22	CS22609	8298	1	46	NA	C
Ren-11	CS22611	8368	1	48	C	NA
Cvi-0	CS22614	8281	1	51	C	NA
N13	CS22491	7438	1	58	C	NA
Wei-0	CS22622	8404	1	59	C	NA
Van-0	CS22627	6977	1	64	C	NA
Br-0	CS22628	8269	1	65	C	NA
Gy-0	CS22631	8302	1	68	C	NA
Ra-0	CS22632	8364	1	69	C	NA
Mz-0	CS22636	6940	1	73	NA	C
Mz-0	CS6800	7251	1	73	NA	C
Mz-0	CS22636	8342	1	73	NA	C
Mt-0	CS22642	6939	1	79	C	NA
Wa-1	CS22644	6978	1	81	NA	C
Wa-1	CS6885	7394	1	81	NA	C
Fei-0	CS22645	8294	1	82	C	NA
Kin-0	CS22654	8316	1	91	C	NA

6.11 SNP AtMSQTsnp 21(chrom=1, pos=4142539, alignment id=2625, alignment start=4142402)

Table 823: SNP AtMSQTsnp 21(chromosome=1, position=4142539, alignment id=2625, alignment start=4142402)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	6	0	2	0	4	0	0	0	0	1	0
A	0	0	0	0	0	0	0	0	0	0	0	0
C	0	11	0	138	0	2	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	10	0	0	0	77	0	0	0	0	1	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 824: detailed difference for SNP AtMSQTsnp 21

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Pna-17	CS22570	8359	1	7	T	NA
Eden-1	CS22572	6009	4	9	T	NA
Eden-2	CS22573	8287	1	10	C	NA
Vr2-1	CS22580	8401	1	17	T	NA

m2-1	CS22584	8349	1	21	C	NA
Bor-1	CS22590	5837	1	27	C	T
HR-10	CS22597	8308	1	34	C	NA
NFA-8	CS22598	6944	1	35	NA	C
CIBC-5	CS22224	6730	1	39	C	T
KZ-1	CS22435	6826	1	43	T	CT
Kz-1	CS22606	8320	1	43	T	NA
REN-11	CS22263	6867	1	48	NA	CT
Ler-1	CS22618	6932	1	55	NA	T
Ler-1	CS22618	6932	2	55	NA	T
Ler-1	CS6928	7211	1	55	NA	T
Ler-1	CS22618	8324	1	55	NA	T
N13	CS22491	8429	1	58	C	NA
An-1	CS22626	8253	1	63	T	NA
Van-0	CS22627	6977	1	64	T	NA
Br-0	CS22628	8269	1	65	C	NA
Est-1	CS22629	8291	1	66	T	NA
Ag-0	CS22630	8251	1	67	C	NA
Gy-0	CS22631	8302	1	68	C	NA
Mrk-0	CS22635	8339	1	72	C	NA
Mt-0	CS22642	6939	1	79	T	NA
Mt-0	CS22642	8341	1	79	T	NA
Wa-1	CS22644	8403	1	81	C	NA
Pro-0	CS22649	8213	1	86	NA	C
LL-0	CS22650	8328	1	87	C	NA
Edi-0	CS22657	8288	1	94	T	NA
Ws-2	CS22659	8406	1	96	C	NA

6.12 SNP AtMSQTsnp 22(chrom=1, pos=4396087, alignment id=46, alignment start=4395913)

Table 825: SNP AtMSQTsnp 22(chromosome=1, position=4396087, alignment id=46, alignment start=4395913)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	0	0	0	0	0	0	0	0
A	0	3	92	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	8	1	0	144	0	0	1	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 826: detailed difference for SNP AtMSQTsnp 22

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	G	NA
Lv-1	CS22574	6043	2	11	G	NA
Bor-1	CS22590	5837	1	27	G	A
Uod-7	CS22613	6976	1	50	G	NA
Cvi-0	CS6675	7065	1	51	A	NA
Gu-0	CS22617	6922	1	54	G	NA
Wei-0	CS22622	8404	1	59	A	NA
Yo-0	CS6901	7416	1	61	G	NA
Br-0	CS22628	8269	1	65	A	NA
Ra-0	CS22632	6958	1	69	G	NA
Ra-0	CS6844	7312	1	69	G	NA
Mr-0	CS6795	7429	1	77	G	AG
Mt-0	CS22642	6939	1	79	G	NA

6.13 SNP AtMSQTsnp 27(chrom=1, pos=5206767, alignment id=1014, alignment start=5206479)

Table 827: SNP AtMSQTsnp 27(chromosome=1, position=5206767, alignment id=1014, alignment start=5206479)

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

NA	0	1	2	0	0	0	0	0	0	0	0	0
A	0	56	84	0	1	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	39	0	0	66	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 828: detailed difference for SNP AtMSQTsnp 27

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
RRS-10	CS22565	8372	1	2	A	NA
KNO-18	CS22418	6817	1	4	NA	A
KNO-18	CS22567	6928	1	4	NA	A
Rmx-A02	CS22568	8370	1	5	A	NA
Rmx-A180	CS22569	8371	1	6	A	NA
Pna-17	CS22570	8359	1	7	A	NA
Pna-10	CS22571	8358	1	8	A	NA
Eden-1	CS22572	6009	4	9	G	NA
Eden-2	CS22573	8287	1	10	G	NA
Lv-1	CS22574	6043	2	11	A	NA
Lv-5	CS22575	6046	2	12	A	NA
Fb-2	CS22576	8292	1	13	A	NA
Fb-4	CS22577	8293	1	14	A	NA
Bil-5	CS22578	8262	1	15	A	NA
Bil-7	CS22579	8263	1	16	A	NA
Vr2-1	CS22580	8401	1	17	A	NA
Vr2-6	CS22581	8402	1	18	A	NA
Spr1-2	CS22582	8382	1	19	A	NA
Spr1-6	CS22583	8383	1	20	G	NA
m2-1	CS22584	8349	1	21	A	NA
m2-3	CS22585	8350	1	22	G	NA
Ull2-5	CS22586	8397	1	23	G	NA
Ull2-3	CS22587	8396	1	24	A	NA
Zdr-1	CS22588	8409	1	25	G	NA
Zdr-6	CS22589	8410	1	26	G	NA
Bor-1	CS22590	5837	2	27	G	NA
Bor-4	CS22591	8268	1	28	G	NA
Pu2-7	CS22592	8362	1	29	G	NA
Pu2-23	CS22593	8361	1	30	G	NA
Lp2-2	CS22594	8332	1	31	G	NA
Lp2-6	CS22595	8333	1	32	G	NA
HR-5	CS22596	8309	1	33	A	NA
HR-10	CS22597	8308	1	34	A	NA
NFA-8	CS22598	8346	1	35	A	NA
NFA-10	CS22599	8345	1	36	A	NA
Sq-1	CS22600	8384	1	37	A	NA
Sq-8	CS22601	8385	1	38	A	NA
CIBC-5	CS22224	6730	1	39	A	G
CIBC-5	CS22602	8277	1	39	A	NA
CIBC-17	CS22603	8276	1	40	G	NA
Tamm-2	CS22604	8390	1	41	A	NA
Tamm-27	CS22605	8391	1	42	A	NA
Kz-1	CS22606	8320	1	43	G	NA
Kz-9	CS22607	8322	1	44	G	NA
Got-7	CS22608	8299	1	45	A	NA
Got-22	CS22609	8298	1	46	A	NA
Ren-1	CS22610	8367	1	47	A	NA
Ren-11	CS22611	8368	1	48	A	NA
Uod-1	CS22612	8398	1	49	G	NA
Uod-7	CS22613	8399	1	50	G	NA
Cvi-0	CS22614	8281	1	51	A	NA
Lz-0	CS22615	8336	1	52	A	NA
Ei-2	CS22616	8289	1	53	A	NA
Gu-0	CS22617	8301	1	54	A	NA
Ler-1	CS22618	8324	1	55	G	NA
Nd-1	CS22619	8344	1	56	A	NA
C24	CS22620	8273	1	57	G	NA
N13	CS22491	7438	1	58	G	NA
N13	CS22491	8429	1	58	G	NA
Wei-0	CS22622	8404	1	59	G	NA
Ws-0	CS22623	8405	1	60	G	NA
Yo-0	CS22624	8408	1	61	A	NA
Col-0	CS22625	8279	1	62	A	NA
An-1	CS22626	8253	1	63	A	NA

Van-0	CS22627	6977	1	64	A	NA
Van-0	CS22627	8400	1	64	A	NA
Br-0	CS22628	8269	1	65	G	NA
Est-1	CS22629	8291	1	66	A	NA
Ag-0	CS22630	8251	1	67	G	NA
Gy-0	CS22631	8302	1	68	A	NA
Ra-0	CS22632	8364	1	69	A	NA
Bay-0	CS22633	8260	1	70	G	NA
Ga-0	CS22634	8295	1	71	G	NA
Mrk-0	CS22635	8339	1	72	A	NA
Mz-0	CS22636	8342	1	73	A	NA
Wt-5	CS22637	8407	1	74	A	NA
Ct-1	CS22639	8280	1	76	G	NA
Mr-0	CS22640	8338	1	77	A	NA
Tsu-1	CS22641	8394	1	78	A	NA
Mt-0	CS22642	6939	1	79	A	NA
Mt-0	CS22642	8341	1	79	A	NA
Nok-3	CS22643	8347	1	80	A	NA
Wa-1	CS22644	8403	1	81	G	NA
Fei-0	CS22645	8294	1	82	A	NA
Se-0	CS22646	8379	1	83	G	NA
Ts-1	CS22647	8392	1	84	G	NA
Ts-5	CS22648	8393	1	85	G	NA
Pro-0	CS22649	8360	1	86	G	NA
LL-0	CS22650	8328	1	87	G	NA
Kondara	CS22651	8319	1	88	G	NA
Shahdara	CS22652	8248	1	89	G	NA
Sorbo	CS22653	8381	1	90	G	NA
Kin-0	CS22654	8316	1	91	A	NA
Ms-0	CS22655	8340	1	92	G	NA
Bur-0	CS22656	8272	1	93	A	NA
Edi-0	CS22657	8288	1	94	A	NA
Oy-0	CS22658	8352	1	95	A	NA
Ws-2	CS22659	8406	1	96	A	NA

6.14 SNP AtMSQTsnp 29(chrom=1, pos=5482008, alignment id=263, alignment start=5481722)

Table 829: SNP AtMSQTsnp 29(chromosome=1, position=5482008, alignment id=263, alignment start=5481722)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	0	0	0	0	0	0	0	0
A	0	4	75	0	0	0	0	0	1	0	0	0
C	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
T	0	6	1	0	0	162	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	3	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 830: detailed difference for SNP AtMSQTsnp 29

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	T	NA
Lv-1	CS22574	6043	2	11	A	NA
Lv-1	CS22574	6934	1	11	A	NA
CIBC-5	CS22224	6730	1	39	T	A
Ren-11	CS22611	8368	1	48	A	NA
Uod-7	CS22613	6976	1	50	T	NA
Cvi-0	CS6675	7065	1	51	T	NA
Gu-0	CS22617	6922	1	54	T	NA
Yo-0	CS6901	7416	1	61	A	NA
Van-0	CS22627	6977	1	64	AT	A
Van-0	CS6884	7383	1	64	AT	A
Van-0	CS22627	8400	1	64	AT	A
Ra-0	CS22632	6958	1	69	T	NA
Mr-0	CS6795	7429	1	77	A	AT
Mt-0	CS22642	6939	1	79	T	NA

6.15 SNP AtMSQTsnp 30(chrom=1, pos=5629159, alignment id=2156, alignment start=5628596)

Table 831: SNP AtMSQTsnp 30(chromosome=1, position=5629159, alignment id=2156, alignment start=5628596)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	15	0	7	0	10	0	0	0	0	1	0
A	0	0	0	0	0	0	0	0	0	0	0	0
C	0	53	0	79	0	1	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	30	0	1	0	55	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 832: detailed difference for SNP AtMSQTsnp 30

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
RRS-10	CS22565	8372	1	2	C	NA
Kno-10	CS22566	8317	1	3	C	NA
Kno-18	CS22567	8318	1	4	C	NA
Rmx-A02	CS22568	8370	1	5	C	NA
Rmx-A180	CS22569	8371	1	6	C	NA
Pna-17	CS22570	7523	1	7	NA	C
Pna-10	CS22571	8358	1	8	C	NA
Eden-1	CS22572	6009	4	9	C	NA
Eden-2	CS22573	8287	1	10	C	NA
Lv-1	CS22574	6043	2	11	C	NA
Lv-5	CS22575	6046	2	12	C	NA
Fb-2	CS22576	8292	1	13	C	NA
Fb-4	CS22577	8293	1	14	C	NA
Bil-5	CS22578	8262	1	15	C	NA
Bil-7	CS22579	8263	1	16	C	NA
Vr2-1	CS22580	7516	1	17	NA	T
Vr2-6	CS22581	7517	1	18	NA	T
Spr1-2	CS22582	6964	1	19	NA	C
Spr1-6	CS22583	8383	1	20	C	NA
m2-1	CS22584	8349	1	21	C	NA
m2-3	CS22585	8350	1	22	C	NA
Ull2-5	CS22586	8397	1	23	T	NA
Ull2-3	CS22587	8396	1	24	C	NA
Zdr-1	CS22588	8409	1	25	C	NA
Zdr-6	CS22589	8410	1	26	C	NA
Bor-1	CS22590	5837	1	27	C	T
Bor-1	CS22590	5837	2	27	C	NA
Bor-4	CS22591	8268	1	28	C	NA
Pu2-7	CS22592	8362	1	29	T	NA
Pu2-23	CS22593	8361	1	30	T	NA
Lp2-2	CS22594	8332	1	31	T	NA
Lp2-6	CS22595	8333	1	32	C	NA
HR-5	CS22205	6800	1	33	NA	T
HR-5	CS22596	6924	1	33	NA	T
HR-10	CS22597	6923	1	34	NA	C
NFA-8	CS22598	8346	1	35	C	NA
NFA-10	CS22599	8345	1	36	C	NA
Sq-1	CS22600	8384	1	37	T	NA
Sq-8	CS22601	8385	1	38	C	NA
CIBC-5	CS22224	6730	1	39	T	C
CIBC-5	CS22602	8277	1	39	T	NA
CIBC-17	CS22603	8276	1	40	C	NA
Tamm-2	CS22604	8390	1	41	C	NA
Tamm-27	CS22605	6969	1	42	NA	C
KZ-1	CS22435	6826	1	43	NA	CT
KZ-1	CS22606	6930	1	43	NA	C
Kz-9	CS22607	8322	1	44	T	NA
Got-7	CS22608	8299	1	45	T	NA
Got-22	CS22609	8298	1	46	T	NA
Ren-1	CS22610	8367	1	47	T	NA
Ren-11	CS22611	8368	1	48	C	NA
Uod-1	CS22612	8398	1	49	C	NA
Uod-7	CS22613	8399	1	50	C	NA
Cvi-0	CS22614	8281	1	51	T	NA
Lz-0	CS22615	8336	1	52	C	NA
Ei-2	CS22616	8289	1	53	T	NA

Gu-0	CS22617	8301	1	54	C	NA
Ler-1	CS22618	8324	1	55	T	NA
Nd-1	CS22619	8344	1	56	C	NA
C24	CS22620	8273	1	57	C	NA
N13	CS22491	7438	1	58	T	NA
N13	CS22491	8429	1	58	T	NA
Wei-0	CS22622	8404	1	59	T	NA
Ws-0	CS22623	8405	1	60	T	NA
Yo-0	CS22624	8408	1	61	C	NA
Col-0	CS22625	6909	1	62	NA	T
Col-0	CS6673	7082	1	62	NA	T
An-1	CS22626	8253	1	63	C	NA
Van-0	CS22627	6977	1	64	C	NA
Van-0	CS22627	8400	1	64	C	NA
Br-0	CS22628	8269	1	65	C	NA
Est-1	CS22629	6916	1	66	NA	T
Est-1	CS6701	7129	1	66	NA	T
Ag-0	CS22630	6897	1	67	NA	T
Ag-0	CS6601	6999	1	67	NA	T
Gy-0	CS22631	8302	1	68	T	NA
Ra-0	CS22632	8364	1	69	C	NA
Bay-0	CS22633	8260	1	70	C	NA
Ga-0	CS22634	8295	1	71	T	NA
Mrk-0	CS22635	8339	1	72	T	NA
Mz-0	CS22636	8342	1	73	C	NA
Wt-5	CS22637	8407	1	74	T	NA
Ct-1	CS22639	8280	1	76	C	NA
Mr-0	CS22640	8338	1	77	C	NA
Tsu-1	CS22641	8394	1	78	C	NA
Nok-3	CS22643	8347	1	80	T	NA
Wa-1	CS22644	8403	1	81	T	NA
Fei-0	CS22645	8294	1	82	C	NA
Se-0	CS22646	8379	1	83	C	NA
Ts-1	CS22647	8392	1	84	T	NA
Ts-5	CS22648	6971	1	85	NA	C
Ts-5	CS6871	7369	1	85	NA	C
Pro-0	CS22649	8360	1	86	C	NA
LL-0	CS22650	8328	1	87	T	NA
Kondara	CS22651	8319	1	88	T	NA
Shahdara	CS22652	8248	1	89	C	NA
Sorbo	CS22653	8381	1	90	C	NA
Kin-0	CS22654	8316	1	91	T	NA
Ms-0	CS22655	8340	1	92	T	NA
Bur-0	CS22656	8272	1	93	C	NA
Edi-0	CS22657	8288	1	94	T	NA
Oy-0	CS22658	8352	1	95	C	NA
Ws-2	CS22659	8406	1	96	T	NA

6.16 SNP AtMSQTsnp 31(chrom=1, pos=5923041, alignment id=265, alignment start=5922974)

Table 833: SNP AtMSQTsnp 31(chromosome=1, position=5923041, alignment id=265, alignment start=5922974)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	5	0	0	0	0	0	0	0
A	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
G	0	5	0	0	148	1	0	0	0	0	0	0
T	0	2	0	0	0	91	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 834: detailed difference for SNP AtMSQTsnp 31

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
KNO-18	CS22418	6817	1	4	NA	G
KNO-18	CS22567	6928	1	4	NA	G
Kno-18	CS22567	8318	1	4	NA	G
Pna-10	CS22571	7526	1	8	NA	G
Pna-10	CS22571	8358	1	8	NA	G

Eden-1	CS22572	6009	4	9	T	NA
Bor-1	CS22590	5837	1	27	G	T
Uod-7	CS22613	6976	1	50	G	NA
Nd-1	CS1636	7266	1	56	G	NA
N13	CS22491	7438	1	58	G	NA
Ra-0	CS22632	6958	1	69	G	NA
Mt-0	CS22642	6939	1	79	G	NA
Se-0	CS6852	7326	1	83	T	NA

6.17 SNP AtMSQTsnp 33(chrom=1, pos=6375605, alignment id=967, alignment start=6375563)

Table 835: SNP AtMSQTsnp 33(chromosome=1, position=6375605, alignment id=967, alignment start=6375563)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	2	0	0	0	0	0	0	0	0	0	0
A	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
G	0	126	0	0	17	0	0	0	0	0	0	0
T	0	107	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 836: detailed difference for SNP AtMSQTsnp 33

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
RRS-10	CS22565	8372	1	2	T	NA
KNO-10	CS22410	6809	1	3	T	NA
KNO-10	CS22566	6927	1	3	T	NA
Kno-10	CS22566	8317	1	3	T	NA
KNO-18	CS22418	6817	1	4	T	NA
KNO-18	CS22567	6928	1	4	T	NA
Kno-18	CS22567	8318	1	4	T	NA
Rmx-A02	CS22568	7524	1	5	T	NA
Rmx-A02	CS22568	8370	1	5	T	NA
Rmx-A180	CS22569	7525	1	6	T	NA
Rmx-A180	CS22569	8371	1	6	T	NA
Pna-17	CS22570	7523	1	7	T	NA
Pna-17	CS22570	8359	1	7	T	NA
Pna-10	CS22571	7526	1	8	T	NA
Pna-10	CS22571	8358	1	8	T	NA
Eden-1	CS22572	6009	1	9	G	NA
Eden-1	CS22572	6009	2	9	G	NA
Eden-1	CS22572	6009	3	9	G	NA
Eden-1	CS22572	6009	4	9	G	NA
Eden-1	CS22572	6912	1	9	G	NA
Eden-2	CS22573	8287	1	10	G	NA
Lv-1	CS22574	6043	1	11	G	NA
Lv-1	CS22574	6043	2	11	G	NA
Lv-1	CS22574	6934	1	11	G	NA
Lv-5	CS22575	6046	1	12	G	NA
Lv-5	CS22575	6046	2	12	G	NA
Lv-5	CS22575	6935	1	12	G	NA
Fb-2	CS22576	8292	1	13	G	NA
Fb-4	CS22577	8293	1	14	G	NA
Bil-5	CS22578	8262	1	15	G	NA
Vr2-1	CS22580	8401	1	17	G	NA
Vr2-6	CS22581	8402	1	18	G	NA
Spr1-2	CS22582	6964	1	19	G	NA
Spr1-2	CS22582	8382	1	19	G	NA
Spr1-6	CS22583	6965	1	20	T	NA
Spr1-6	CS22583	8383	1	20	T	NA
M2-1	CS22584	7518	1	21	T	NA
m2-1	CS22584	8349	1	21	T	NA
M2-3	CS22585	7519	1	22	T	NA
m2-3	CS22585	8350	1	22	T	NA
Ull2-5	CS22586	6974	1	23	T	NA
Ull2-5	CS22586	8397	1	23	T	NA
Ull2-3	CS22587	6973	1	24	T	NA
Ull2-3	CS22587	8396	1	24	T	NA

Zdr-1	CS22588	8409	1	25	G	NA
Zdr-6	CS22589	8410	1	26	G	NA
Bor-1	CS22590	5837	1	27	G	NA
Bor-1	CS22590	5837	2	27	G	NA
Bor-1	CS22590	6902	1	27	G	NA
Bor-4	CS22591	6903	1	28	G	NA
Bor-4	CS22591	8268	1	28	G	NA
Pu2-7	CS22592	8362	1	29	G	NA
Pu2-23	CS22593	6951	1	30	T	NA
Pu2-23	CS22453	6952	1	30	T	NA
Pu2-23	CS22593	8361	1	30	T	NA
Lp2-2	CS22594	7520	1	31	G	NA
Lp2-2	CS22594	8332	1	31	G	NA
Lp2-6	CS22595	7521	1	32	T	NA
Lp2-6	CS22595	8333	1	32	T	NA
HR-5	CS22205	6800	1	33	G	NA
HR-5	CS22596	6924	1	33	G	NA
HR-5	CS22596	8309	1	33	G	NA
HR-10	CS22597	6923	1	34	G	NA
HR-10	CS22597	8308	1	34	G	NA
NFA-8	CS22598	6944	1	35	T	NA
NFA-8	CS22598	8346	1	35	T	NA
NFA-10	CS22599	6943	1	36	T	NA
NFA-10	CS22599	8345	1	36	T	NA
Sq-1	CS22600	6966	1	37	G	NA
Sq-1	CS22600	8384	1	37	G	NA
Sq-8	CS22601	6967	1	38	T	NA
Sq-8	CS22601	8385	1	38	T	NA
CIBC-5	CS22224	6730	1	39	G	NA
CIBC-5	CS22602	6908	1	39	G	NA
CIBC-5	CS22602	8277	1	39	G	NA
CIBC-17	CS22236	6724	1	40	T	NA
CIBC-17	CS22603	6907	1	40	T	NA
CIBC-17	CS22603	8276	1	40	T	NA
Tamm-2	CS22604	6968	1	41	G	NA
Tamm-2	CS22604	8390	1	41	G	NA
Tamm-27	CS22605	8391	1	42	G	NA
KZ-1	CS22435	6826	1	43	T	NA
KZ-1	CS22606	6930	1	43	T	NA
Kz-1	CS22606	8320	1	43	T	NA
Kz-9	CS22607	8322	1	44	G	NA
GOT-7	CS22608	6921	1	45	G	NA
Got-7	CS22608	8299	1	45	G	NA
GOT-22	CS22298	6775	1	46	G	NA
GOT-22	CS22609	6920	1	46	G	NA
Got-22	CS22609	8298	1	46	G	NA
REN-1	CS22253	6866	1	47	G	NA
Ren-1	CS22610	8367	1	47	G	NA
REN-11	CS22263	6867	1	48	T	NA
REN-11	CS22611	6960	1	48	T	NA
Ren-11	CS22611	8368	1	48	T	NA
Uod-1	CS22612	6975	1	49	G	NA
Uod-1	CS22612	8398	1	49	G	NA
Uod-7	CS22613	6976	1	50	T	NA
Uod-7	CS22613	8399	1	50	T	NA
Cvi-0	CS22614	6911	1	51	G	NA
Cvi-0	CS6675	7065	1	51	G	NA
Cvi-0	CS22614	8281	1	51	G	NA
Lz-0	CS22615	6936	1	52	G	NA
Lz-0	CS6788	7219	1	52	G	NA
Lz-0	CS22615	8336	1	52	G	NA
Ei-2	CS22616	6915	1	53	G	NA
Ei-2	CS6689	7112	1	53	G	NA
Ei-2	CS22616	8289	1	53	G	NA
Gu-0	CS22617	6922	1	54	G	NA
Gu-0	CS6730	7149	1	54	G	NA
Gu-0	CS22617	8301	1	54	G	NA
Ler-1	CS22618	6932	1	55	G	NA
Ler-1	CS22618	6932	2	55	G	NA
Ler-1	CS6928	7211	1	55	G	NA
Ler-1	CS22618	8324	1	55	G	NA
Nd-1	CS22619	6942	1	56	G	NA
Nd-1	CS1636	7266	1	56	G	NA
Nd-1	CS6922	7267	1	56	G	NA
Nd-1	CS22619	8344	1	56	G	NA
C24	CS22620	6906	1	57	G	NA
C24	CS906	7059	1	57	G	NA
C24	CS22620	8273	1	57	G	NA
N13	CS22621	6941	1	58	T	NA
N13	CS22491	7438	1	58	T	NA
N13	CS22491	8429	1	58	T	NA

Wei-0	CS22622	6979	1	59	G	NA
Wei-0	CS6182	7402	1	59	G	NA
Wei-0	CS22622	8404	1	59	G	NA
Ws-0	CS22623	6980	1	60	T	NA
Ws-0	CS6891	7396	1	60	T	NA
Ws-0	CS22623	8405	1	60	T	NA
Yo-0	CS22624	6983	1	61	T	NA
Yo-0	CS6901	7416	1	61	T	NA
Yo-0	CS22624	8408	1	61	T	NA
Col-0	CS22625	6909	1	62	T	NA
Col-0	CS6673	7082	1	62	T	NA
Col-0	CS22625	8279	1	62	T	NA
An-1	CS22626	6898	1	63	T	NA
An-1	CS6603	6995	1	63	T	NA
An-1	CS22626	8253	1	63	T	NA
Van-0	CS22627	6977	1	64	T	NA
Van-0	CS6884	7383	1	64	T	NA
Van-0	CS22627	8400	1	64	T	NA
Br-0	CS22628	6904	1	65	G	NA
Br-0	CS6626	7027	1	65	G	NA
Br-0	CS22628	8269	1	65	G	NA
Est-1	CS22629	6916	1	66	T	NA
Est-1	CS6701	7129	1	66	T	NA
Est-1	CS22629	8291	1	66	T	NA
Ag-0	CS22630	6897	1	67	G	NA
Ag-0	CS6601	6999	1	67	G	NA
Ag-0	CS22630	8251	1	67	G	NA
Gy-0	CS6732	7421	1	68	G	NA
Gy-0	CS22631	8214	1	68	G	NA
Gy-0	CS22631	8302	1	68	G	NA
Ra-0	CS22632	6958	1	69	G	NA
Ra-0	CS6844	7312	1	69	G	NA
Ra-0	CS22632	8364	1	69	G	NA
Bay-0	CS22633	6899	1	70	G	NA
Bay-0	CS6608	7006	1	70	G	NA
Bay-0	CS57923	7007	1	70	G	NA
Bay-0	CS22633	8260	1	70	G	NA
Ga-0	CS22634	6919	1	71	T	NA
Ga-0	CS6714	7140	1	71	T	NA
Ga-0	CS22634	8295	1	71	T	NA
Mrk-0	CS22635	6937	1	72	T	NA
Mrk-0	CS6796	7247	1	72	T	NA
Mrk-0	CS22635	8339	1	72	T	NA
Mz-0	CS22636	6940	1	73	T	NA
Mz-0	CS6800	7251	1	73	T	NA
Mz-0	CS22636	8342	1	73	T	NA
Wt-5	CS22637	6982	1	74	G	NA
Wt-5	CS6896	7410	1	74	G	NA
Wt-5	CS22637	8407	1	74	G	NA
Kas-2	CS22638	6925	1	75	T	NA
Kas-2	CS6751	7184	1	75	T	NA
Ct-1	CS22639	6910	1	76	T	NA
Ct-1	CS6674	7067	1	76	T	NA
Ct-1	CS22639	8280	1	76	T	NA
Mr-0	CS6795	7429	2	77	G	NA
Mr-0	CS22640	7522	1	77	G	NA
Mr-0	CS22640	8338	1	77	G	NA
Tsu-1	CS22641	6972	1	78	T	NA
Tsu-1	CS6926	7374	1	78	T	NA
Tsu-1	CS22641	8394	1	78	T	NA
Mt-0	CS22642	6939	1	79	G	NA
Mt-0	CS6799	7249	1	79	G	NA
Mt-0	CS22642	8341	1	79	G	NA
Nok-3	CS22643	6945	1	80	G	NA
Nok-3	CS6810	7272	1	80	G	NA
Nok-3	CS22643	8347	1	80	G	NA
Wa-1	CS22644	6978	1	81	T	NA
Wa-1	CS6885	7394	1	81	T	NA
Wa-1	CS22644	8403	1	81	T	NA
Fei-0	CS22645	8215	1	82	G	NA
Fei-0	CS22645	8294	1	82	G	NA
Se-0	CS22646	6961	1	83	G	NA
Se-0	CS6852	7326	1	83	G	NA
Se-0	CS22646	8379	1	83	G	NA
Ts-1	CS22647	6970	1	84	G	NA
Ts-1	CS6868	7366	1	84	G	NA
Ts-1	CS22647	8392	1	84	G	NA
Ts-5	CS22648	6971	1	85	G	NA
Ts-5	CS6871	7369	1	85	G	NA
Ts-5	CS22648	8393	1	85	G	NA
Pro-0	CS22649	8213	1	86	G	NA

Pro-0	CS22649	8360	1	86	G	NA
LL-0	CS22650	6933	1	87	G	NA
LL-0	CS22650	8328	1	87	G	NA
Kondara	CS22651	6929	1	88	T	NA
Kondara	CS916	7200	1	88	T	NA
Kondara	CS22651	8319	1	88	T	NA
Shahdara	CS22652	8248	1	89	T	NA
Sorbo	CS22653	6963	1	90	T	NA
Sorbo	CS931	7341	1	90	T	NA
Sorbo	CS22653	8381	1	90	T	NA
Kin-0	CS22654	6926	1	91	G	NA
Kin-0	CS6755	7193	1	91	G	NA
Kin-0	CS22654	8316	1	91	G	NA
Ms-0	CS22655	6938	1	92	T	NA
Ms-0	CS6797	7254	1	92	T	NA
Ms-0	CS22655	8340	1	92	T	NA
Bur-0	CS22656	6905	1	93	T	NA
Bur-0	CS6643	7058	1	93	T	NA
Bur-0	CS22656	8272	1	93	T	NA
Edi-0	CS22657	6914	1	94	T	NA
Edi-0	CS6688	7111	1	94	T	NA
Edi-0	CS22657	8288	1	94	T	NA
Oy-0	CS22658	6946	1	95	T	NA
Oy-0	CS6824	7288	1	95	T	NA
Oy-0	CS22658	8352	1	95	T	NA
Ws-2	CS2360	7399	2	96	G	NA
Ws-2	CS22659	8406	1	96	G	NA

6.18 SNP AtMSQTsnp 38(chrom=1, pos=7449598, alignment id=2136, alignment start=7449482)

Table 837: SNP AtMSQTsnp 38(chromosome=1, position=7449598, alignment id=2136, alignment start=7449482)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	3	17	3	0	0	0	0	0	0	0	0
A	0	3	159	0	0	0	0	0	0	0	0	0
C	0	3	0	64	0	0	0	0	0	0	0	0
G	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
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 838: detailed difference for SNP AtMSQTsnp 38

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Pna-10	CS22571	7526	1	8	NA	A
Pna-10	CS22571	8358	1	8	NA	A
Eden-1	CS22572	6009	4	9	C	NA
CIBC-5	CS22224	6730	1	39	NA	C
CIBC-5	CS22602	6908	1	39	NA	C
CIBC-5	CS22602	8277	1	39	NA	C
REN-1	CS22253	6866	1	47	NA	A
REN-1	CS22610	6959	1	47	NA	A
Ren-1	CS22610	8367	1	47	NA	A
REN-11	CS22611	6960	1	48	NA	A
N13	CS22491	7438	1	58	A	NA
An-1	CS22626	6898	1	63	NA	A
An-1	CS6603	6995	1	63	NA	A
An-1	CS22626	8253	1	63	NA	A
Van-0	CS22627	6977	1	64	C	NA
Van-0	CS6884	7383	1	64	C	NA
Mt-0	CS22642	6939	1	79	A	NA
Wa-1	CS22644	8403	1	81	A	NA
Pro-0	CS22649	8213	1	86	NA	A
Pro-0	CS22649	8360	1	86	NA	A
Sorbo	CS22653	6963	1	90	NA	A
Sorbo	CS931	7341	1	90	NA	A
Ws-2	CS22659	6981	1	96	NA	A
Ws-2	CS2360	7399	1	96	NA	A
Ws-2	CS2360	7399	2	96	NA	A

Ws-2	CS22659	8406	1	96	NA	A

6.19 SNP AtMSQTsnp 40(chrom=1, pos=7842523, alignment id=928, alignment start=7842440)

Table 839: SNP AtMSQTsnp 40(chromosome=1, position=7842523, alignment id=928, alignment start=7842440)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	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
C	0	8	0	137	0	0	0	0	0	0	0	0
G	0	2	0	1	103	0	0	0	0	1	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 840: detailed difference for SNP AtMSQTsnp 40

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	G	NA
Bor-1	CS22590	5837	1	27	G	C
Sq-8	CS22601	6967	1	38	C	NA
KZ-1	CS22435	6826	1	43	G	CG
Ren-11	CS22611	8368	1	48	C	NA
N13	CS22491	7438	1	58	C	NA
Yo-0	CS6901	7416	1	61	C	NA
Ag-0	CS22630	6897	1	67	C	NA
Ra-0	CS22632	6958	1	69	C	NA
Mt-0	CS22642	6939	1	79	C	NA
Mt-0	CS6799	7249	1	79	C	NA
Se-0	CS6852	7326	1	83	G	NA

6.20 SNP AtMSQTsnp 41(chrom=1, pos=8015448, alignment id=855, alignment start=8014943)

Table 841: SNP AtMSQTsnp 41(chromosome=1, position=8015448, alignment id=855, alignment start=8014943)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	0	2	0	0	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0
C	0	25	0	113	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	21	0	0	0	90	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 842: detailed difference for SNP AtMSQTsnp 41

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Pna-17	CS22570	8359	1	7	T	NA
Eden-1	CS22572	6009	4	9	C	NA
Eden-2	CS22573	8287	1	10	C	NA
Lv-1	CS22574	6043	2	11	C	NA
Fb-2	CS22576	8292	1	13	T	NA
Fb-4	CS22577	8293	1	14	T	NA
Vr2-1	CS22580	8401	1	17	C	NA
Spr1-6	CS22583	8383	1	20	C	NA
Zdr-6	CS22589	8410	1	26	C	NA

Pu2-23	CS22593	8361	1	30	C	NA
Lp2-2	CS22594	8332	1	31	C	NA
Lp2-6	CS22595	8333	1	32	T	NA
HR-10	CS22597	8308	1	34	C	NA
Sq-1	CS22600	8384	1	37	C	NA
Sq-8	CS22601	8385	1	38	T	NA
CIBC-5	CS22602	8277	1	39	T	NA
Tamm-2	CS22604	8390	1	41	C	NA
Tamm-27	CS22605	8391	1	42	C	NA
Kz-1	CS22606	8320	1	43	T	NA
Kz-9	CS22607	8322	1	44	T	NA
Got-22	CS22609	8298	1	46	T	NA
Ren-1	CS22610	8367	1	47	T	NA
Ren-11	CS22611	8368	1	48	T	NA
Cvi-0	CS22614	8281	1	51	C	NA
Ler-1	CS22618	8324	1	55	C	NA
C24	CS22620	8273	1	57	C	NA
N13	CS22491	7438	1	58	T	NA
N13	CS22491	8429	1	58	T	NA
Wei-0	CS22622	8404	1	59	C	NA
Col-0	CS22625	8279	1	62	C	NA
An-1	CS22626	8253	1	63	T	NA
Van-0	CS22627	6977	1	64	T	NA
Br-0	CS22628	8269	1	65	C	NA
Gy-0	CS22631	8302	1	68	T	NA
Wt-5	CS22637	8407	1	74	C	NA
Mt-0	CS22642	6939	1	79	C	NA
Mt-0	CS22642	8341	1	79	C	NA
Wa-1	CS22644	8403	1	81	T	NA
Pro-0	CS22649	8360	1	86	T	NA
LL-0	CS22650	6933	1	87	NA	C
Ll-0	CS6781	7237	1	87	NA	C
Shahdara	CS22652	8248	1	89	C	NA
Sorbo	CS22653	8381	1	90	C	NA
Kin-0	CS22654	8316	1	91	T	NA
Ms-0	CS22655	8340	1	92	T	NA
Bur-0	CS22656	8272	1	93	C	NA
Edi-0	CS22657	8288	1	94	T	NA
Ws-2	CS22659	8406	1	96	C	NA

6.21 SNP AtMSQTsnp 47(chrom=1, pos=9343401, alignment id=929, alignment start=9343234)

Table 843: SNP AtMSQTsnp 47(chromosome=1, position=9343401, alignment id=929, alignment start=9343234)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	0	1	0	0	0	0	0	0	0	0
A	0	61	91	2	0	0	0	0	0	0	0	0
C	0	36	0	56	0	0	1	0	0	0	0	0
G	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
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 844: detailed difference for SNP AtMSQTsnp 47

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
RRS-10	CS22565	8372	1	2	C	NA
Kno-10	CS22566	8317	1	3	C	NA
Kno-18	CS22567	8318	1	4	C	NA
Rmx-A02	CS22568	8370	1	5	C	NA
Rmx-A180	CS22569	8371	1	6	C	NA
Pna-17	CS22570	8359	1	7	C	NA
Pna-10	CS22571	8358	1	8	C	NA
Eden-1	CS22572	6009	4	9	A	NA
Eden-2	CS22573	8287	1	10	A	NA
Lv-1	CS22574	6043	2	11	A	NA
Lv-5	CS22575	6046	2	12	A	NA
Fb-2	CS22576	8292	1	13	A	NA
Fb-4	CS22577	8293	1	14	A	NA

Bil-5	CS22578	8262	1	15	A	NA
Bil-7	CS22579	8263	1	16	A	NA
Vr2-1	CS22580	8401	1	17	C	NA
Vr2-6	CS22581	8402	1	18	C	NA
Spr1-2	CS22582	8382	1	19	C	NA
Spr1-6	CS22583	8383	1	20	A	NA
m2-1	CS22584	8349	1	21	A	NA
m2-3	CS22585	8350	1	22	A	NA
Ull2-5	CS22586	6974	1	23	NA	C
Ull2-3	CS22587	8396	1	24	A	NA
Zdr-1	CS22588	8409	1	25	A	NA
Zdr-6	CS22589	8410	1	26	A	NA
Bor-4	CS22591	8268	1	28	A	NA
Pu2-7	CS22592	8362	1	29	A	NA
Pu2-23	CS22593	8361	1	30	A	NA
Lp2-2	CS22594	8332	1	31	A	NA
Lp2-6	CS22595	8333	1	32	A	NA
HR-5	CS22596	8309	1	33	A	NA
HR-10	CS22597	8308	1	34	A	NA
NFA-8	CS22598	8346	1	35	A	NA
NFA-10	CS22599	8345	1	36	C	NA
Sq-1	CS22600	8384	1	37	A	NA
Sq-8	CS22601	8385	1	38	C	NA
CIBC-5	CS22224	6730	1	39	A	C
CIBC-5	CS22602	8277	1	39	A	NA
CIBC-17	CS22603	8276	1	40	A	NA
Tamm-2	CS22604	8390	1	41	A	NA
Tamm-27	CS22605	8391	1	42	A	NA
Kz-1	CS22606	8320	1	43	A	NA
Kz-9	CS22607	8322	1	44	A	NA
Got-7	CS22608	8299	1	45	C	NA
Got-22	CS22609	8298	1	46	C	NA
REN-1	CS22253	6866	1	47	C	NA
Ren-1	CS22610	8367	1	47	C	NA
REN-11	CS22263	6867	1	48	C	AC
Ren-11	CS22611	8368	1	48	C	NA
Uod-1	CS22612	8398	1	49	C	NA
Uod-7	CS22613	8399	1	50	A	NA
Cvi-0	CS22614	8281	1	51	A	NA
Lz-0	CS22615	8336	1	52	A	NA
Ei-2	CS22616	8289	1	53	C	NA
Gu-0	CS22617	8301	1	54	C	NA
Ler-1	CS22618	8324	1	55	C	NA
Nd-1	CS22619	8344	1	56	C	NA
C24	CS22620	8273	1	57	C	NA
N13	CS22491	7438	1	58	A	NA
N13	CS22491	8429	1	58	A	NA
Wei-0	CS22622	8404	1	59	A	NA
Ws-0	CS22623	8405	1	60	A	NA
Yo-0	CS22624	8408	1	61	C	NA
Col-0	CS22625	8279	1	62	A	NA
An-1	CS22626	8253	1	63	C	NA
Van-0	CS22627	6977	1	64	A	NA
Van-0	CS6884	7383	1	64	A	C
Van-0	CS22627	8400	1	64	A	NA
Br-0	CS22628	8269	1	65	A	NA
Est-1	CS22629	8291	1	66	A	NA
Ag-0	CS22630	8251	1	67	C	NA
Gy-0	CS22631	8302	1	68	A	NA
Ra-0	CS22632	8364	1	69	C	NA
Bay-0	CS22633	8260	1	70	C	NA
Ga-0	CS22634	8295	1	71	C	NA
Mrk-0	CS22635	8339	1	72	A	NA
Mz-0	CS22636	8342	1	73	C	NA
Wt-5	CS22637	8407	1	74	A	NA
Ct-1	CS22639	8280	1	76	A	NA
Mr-0	CS22640	8338	1	77	A	NA
Tsu-1	CS22641	8394	1	78	C	NA
Mt-0	CS22642	6939	1	79	A	NA
Mt-0	CS22642	8341	1	79	A	NA
Nok-3	CS22643	8347	1	80	A	NA
Wa-1	CS22644	8403	1	81	A	NA
Fei-0	CS22645	8294	1	82	A	NA
Se-0	CS22646	8379	1	83	A	NA
Ts-1	CS22647	8392	1	84	A	NA
Ts-5	CS22648	8393	1	85	A	NA
Pro-0	CS22649	8360	1	86	A	NA
LL-0	CS22650	8328	1	87	A	NA
Kondara	CS22651	8319	1	88	A	NA
Shahdara	CS22652	8248	1	89	A	NA
Sorbo	CS22653	8381	1	90	A	NA

Kin-0	CS22654	8316	1	91	A	NA
Ms-0	CS22655	8340	1	92	A	NA
Bur-0	CS22656	6905	1	93	C	NA
Bur-0	CS22656	8272	1	93	C	NA
Edi-0	CS22657	8288	1	94	C	NA
Oy-0	CS22658	8352	1	95	C	NA
Ws-2	CS22659	8406	1	96	C	NA

6.22 SNP AtMSQTsnp 48(chrom=1, pos=9497118, alignment id=930, alignment start=9496666)

Table 845: SNP AtMSQTsnp 48(chromosome=1, position=9497118, alignment id=930, alignment start=9496666)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	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
C	0	7	0	157	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	2	0	2	0	77	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 846: detailed difference for SNP AtMSQTsnp 48

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	C	NA
Lv-1	CS22574	6043	2	11	C	NA
M2-1	CS22584	7518	1	21	NA	T
m2-1	CS22584	8349	1	21	NA	T
Bor-1	CS22590	5837	1	27	T	C
CIBC-5	CS22224	6730	1	39	T	C
Uod-7	CS22613	6976	1	50	C	NA
Cvi-0	CS6675	7065	1	51	C	NA
Gu-0	CS22617	6922	1	54	T	NA
Nd-1	CS1636	7266	1	56	C	NA
Yo-0	CS6901	7416	1	61	C	NA
Ra-0	CS22632	6958	1	69	T	NA
Mt-0	CS22642	6939	1	79	C	NA
Fei-0	CS22645	8215	1	82	NA	C
Fei-0	CS22645	8294	1	82	NA	C
Sorbo	CS22653	6963	1	90	NA	T
Sorbo	CS931	7341	1	90	NA	T
Sorbo	CS22653	8381	1	90	NA	T

6.23 SNP AtMSQTsnp 49(chrom=1, pos=9781347, alignment id=1018, alignment start=9781260)

Table 847: SNP AtMSQTsnp 49(chromosome=1, position=9781347, alignment id=1018, alignment start=9781260)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	8	0	0	0	0	0	0
NA	0	0	0	0	0	5	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0
C	0	4	0	85	0	1	0	0	0	0	1	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	2	0	1	0	145	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 848: detailed difference for SNP AtMSQTsnp 49

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	T	NA
Bor-1	CS22590	5837	1	27	T	C
Lp2-6	CS22595	7521	1	32	NA	T
Lp2-6	CS22595	8333	1	32	NA	T
CIBC-5	CS22224	6730	1	39	C	T
Ren-11	CS22611	8368	1	48	T	NA
Uod-1	CS22612	6975	1	49	-	T
Uod-1	CS22612	8398	1	49	-	T
Van-0	CS22627	6977	1	64	NA	T
Van-0	CS6884	7383	1	64	NA	T
Van-0	CS22627	8400	1	64	NA	T
Ag-0	CS22630	6897	1	67	C	NA
Ra-0	CS22632	6958	1	69	C	NA
Ga-0	CS22634	6919	1	71	-	T
Ga-0	CS6714	7140	1	71	-	T
Ga-0	CS22634	8295	1	71	-	T
Mrk-0	CS22635	6937	1	72	-	T
Mrk-0	CS6796	7247	1	72	-	T
Mrk-0	CS22635	8339	1	72	-	T
Mr-0	CS6795	7429	1	77	C	CT
Mt-0	CS22642	6939	1	79	C	NA
Mt-0	CS6799	7249	1	79	C	NA

6.24 SNP AtMSQTsnp 53(chrom=1, pos=10423708, alignment id=948, alignment start=10423483)

Table 849: SNP AtMSQTsnp 53(chromosome=1, position=10423708, alignment id=948, alignment start=10423483)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	0	2	0	14	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0
C	0	2	0	96	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	3	0	0	0	117	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 850: detailed difference for SNP AtMSQTsnp 53

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
RRS-10	CS22565	8372	1	2	NA	T
Rmx-A02	CS22568	7524	1	5	NA	T
Rmx-A02	CS22568	8370	1	5	NA	T
Eden-2	CS22573	6913	1	10	NA	T
Eden-2	CS22573	8287	1	10	NA	T
Uod-7	CS22613	6976	1	50	T	NA
Cvi-0	CS6675	7065	1	51	T	NA
Gu-0	CS22617	6922	1	54	C	NA
Wei-0	CS22622	6979	1	59	NA	T
Wei-0	CS6182	7402	1	59	NA	T
Wei-0	CS22622	8404	1	59	NA	T
Yo-0	CS6901	7416	1	61	T	NA
Ra-0	CS22632	6958	1	69	C	NA
Mt-0	CS6799	7249	1	79	NA	C
Mt-0	CS22642	8341	1	79	NA	C
Wa-1	CS22644	6978	1	81	NA	T
Wa-1	CS6885	7394	1	81	NA	T
Wa-1	CS22644	8403	1	81	NA	T
Se-0	CS22646	6961	1	83	NA	T
Se-0	CS6852	7326	1	83	NA	T
Se-0	CS22646	8379	1	83	NA	T

6.25 SNP AtMSQTsnp 54(chrom=1, pos=10720273, alignment id=860, alignment start=10719833)

Table 851: SNP AtMSQTsnp 54(chromosome=1, position=10720273, alignment id=860, alignment start=10719833)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	0	0	0	0	0	0	0	0
A	0	6	149	0	0	0	0	1	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	9	1	0	86	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 852: detailed difference for SNP AtMSQTsnp 54

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
KNO-18	CS22418	6817	1	4	A	NA
Eden-1	CS22572	6009	4	9	G	NA
Sq-1	CS22600	6966	1	37	G	NA
Sq-8	CS22601	6967	1	38	A	NA
CIBC-5	CS22224	6730	1	39	G	A
Tamm-2	CS22604	6968	1	41	G	NA
Tamm-27	CS22605	6969	1	42	G	NA
N13	CS22491	7438	1	58	A	NA
Ws-0	CS22623	6980	1	60	A	NA
Yo-0	CS6901	7416	1	61	A	AG
Van-0	CS6884	7383	1	64	G	NA
Br-0	CS22628	6904	1	65	G	NA
Ra-0	CS22632	6958	1	69	G	NA
Mz-0	CS6800	7251	1	73	A	NA
Mr-0	CS6795	7429	1	77	G	NA
Mt-0	CS22642	6939	1	79	A	NA
Se-0	CS6852	7326	1	83	G	NA

6.26 SNP AtMSQTsnp 57(chrom=1, pos=11655519, alignment id=273, alignment start=11655171)

Table 853: SNP AtMSQTsnp 57(chromosome=1, position=11655519, alignment id=273, alignment start=11655171)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	0	1	0	0	0	0	0	0	1	0
A	0	0	0	0	0	0	0	0	0	0	0	0
C	0	4	0	61	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	1	0	1	0	182	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 854: detailed difference for SNP AtMSQTsnp 57

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	C	NA
Bor-1	CS22590	5837	1	27	T	C
Tamm-2	CS22604	6968	1	41	C	NA
Mt-0	CS6799	7249	1	79	NA	C
Mt-0	CS22642	8341	1	79	NA	CT
Wa-1	CS22644	6978	1	81	T	NA
Pro-0	CS22649	8213	1	86	C	NA
Shahdara	CS22652	8248	1	89	C	NA

6.27 SNP AtMSQTsnp 58(chrom=1, pos=12093546, alignment id=279, alignment start=12093079)

Table 855: SNP AtMSQTsnp 58(chromosome=1, position=12093546, alignment id=279, alignment start=12093079)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	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
C	0	62	0	99	1	0	0	0	0	0	0	0
G	0	35	0	1	51	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	2	0	0	1	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 856: detailed difference for SNP AtMSQTsnp 58

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
RRS-10	CS22565	8372	1	2	G	NA
Kno-10	CS22566	8317	1	3	G	NA
Kno-18	CS22567	8318	1	4	G	NA
Rmx-A02	CS22568	8370	1	5	G	NA
Rmx-A180	CS22569	8371	1	6	G	NA
Pna-17	CS22570	8359	1	7	G	NA
Pna-10	CS22571	8358	1	8	G	NA
Eden-1	CS22572	6009	4	9	C	NA
Eden-2	CS22573	8287	1	10	G	NA
Lv-1	CS22574	6043	2	11	C	NA
Lv-5	CS22575	6046	2	12	C	NA
Fb-2	CS22576	8292	1	13	C	NA
Fb-4	CS22577	8293	1	14	G	NA
Bil-5	CS22578	8262	1	15	G	NA
Bil-7	CS22579	8263	1	16	G	NA
Vr2-1	CS22580	8401	1	17	C	NA
Vr2-6	CS22581	8402	1	18	C	NA
Spr1-2	CS22582	8382	1	19	C	NA
Spr1-6	CS22583	8383	1	20	C	NA
m2-1	CS22584	8349	1	21	G	NA
m2-3	CS22585	8350	1	22	C	NA
Ull2-5	CS22586	8397	1	23	G	NA
Ull2-3	CS22587	8396	1	24	C	NA
Zdr-1	CS22588	8409	1	25	G	NA
Zdr-6	CS22589	8410	1	26	C	NA
Bor-1	CS22590	5837	1	27	G	C
Bor-1	CS22590	5837	2	27	G	NA
Bor-4	CS22591	8268	1	28	C	NA
Pu2-7	CS22592	8362	1	29	G	NA
Pu2-23	CS22593	8361	1	30	C	NA
Lp2-2	CS22594	8332	1	31	C	NA
Lp2-6	CS22595	8333	1	32	C	NA
HR-5	CS22596	8309	1	33	C	NA
HR-10	CS22597	8308	1	34	C	NA
NFA-8	CS22598	8346	1	35	C	NA
NFA-10	CS22599	8345	1	36	C	NA
Sq-1	CS22600	8384	1	37	C	NA
Sq-8	CS22601	8385	1	38	C	NA
CIBC-5	CS22224	6730	1	39	C	G
CIBC-5	CS22602	8277	1	39	C	NA
CIBC-17	CS22603	8276	1	40	C	NA
Tamm-2	CS22604	8390	1	41	G	NA
Tamm-27	CS22605	8391	1	42	G	NA
Kz-1	CS22606	8320	1	43	C	NA
KZ-9	CS22607	6931	1	44	C	NA
Kz-9	CS22607	8322	1	44	C	NA
Got-7	CS22608	8299	1	45	C	NA
Got-22	CS22609	8298	1	46	C	NA
REN-1	CS22253	6866	1	47	C	NA
Ren-1	CS22610	8367	1	47	C	NA
Ren-11	CS22611	8368	1	48	G	NA
Uod-1	CS22612	8398	1	49	C	NA
Uod-7	CS22613	8399	1	50	G	NA
Cvi-0	CS22614	8281	1	51	C	NA
Lz-0	CS22615	8336	1	52	C	NA
Ei-2	CS22616	8289	1	53	C	NA

Gu-0	CS22617	8301	1	54	C	NA
Ler-1	CS22618	8324	1	55	G	NA
Nd-1	CS22619	8344	1	56	C	NA
C24	CS22620	8273	1	57	C	NA
N13	CS22491	7438	1	58	C	NA
N13	CS22491	8429	1	58	C	NA
Wei-0	CS22622	8404	1	59	C	NA
Ws-0	CS22623	8405	1	60	G	NA
Yo-0	CS22624	8408	1	61	G	NA
Col-0	CS22625	8279	1	62	C	NA
An-1	CS22626	8253	1	63	C	NA
Van-0	CS22627	6977	1	64	CG	NA
Van-0	CS6884	7383	1	64	CG	G
Van-0	CS22627	8400	1	64	CG	NA
Br-0	CS22628	8269	1	65	C	NA
Est-1	CS22629	8291	1	66	C	NA
Ag-0	CS22630	8251	1	67	C	NA
Gy-0	CS22631	8302	1	68	G	NA
Ra-0	CS22632	8364	1	69	G	NA
Bay-0	CS22633	8260	1	70	C	NA
Ga-0	CS22634	8295	1	71	C	NA
Mrk-0	CS22635	8339	1	72	C	NA
Mz-0	CS22636	8342	1	73	G	NA
Wt-5	CS22637	8407	1	74	C	NA
Ct-1	CS22639	8280	1	76	C	NA
Mr-0	CS22640	8338	1	77	G	NA
Tsu-1	CS22641	8394	1	78	C	NA
Mt-0	CS22642	6939	1	79	C	NA
Mt-0	CS22642	8341	1	79	C	NA
Nok-3	CS22643	8347	1	80	G	NA
Wa-1	CS22644	8403	1	81	C	NA
Fei-0	CS22645	8294	1	82	C	NA
Se-0	CS22646	8379	1	83	C	NA
Ts-1	CS22647	8392	1	84	G	NA
Ts-5	CS22648	8393	1	85	G	NA
Pro-0	CS22649	8360	1	86	G	NA
LL-0	CS22650	8328	1	87	C	NA
Kondara	CS22651	8319	1	88	G	NA
Shahdara	CS22652	8248	1	89	G	NA
Sorbo	CS22653	8381	1	90	C	NA
Kin-0	CS22654	8316	1	91	G	NA
Ms-0	CS22655	8340	1	92	C	NA
Bur-0	CS22656	8272	1	93	C	NA
Edi-0	CS22657	8288	1	94	G	NA
Oy-0	CS22658	8352	1	95	C	NA
Ws-2	CS22659	8406	1	96	C	NA

6.28 SNP AtMSQTsnp 60(chrom=1, pos=12357583, alignment id=1973, alignment start=12357044)

Table 857: SNP AtMSQTsnp 60(chromosome=1, position=12357583, alignment id=1973, alignment start=12357044)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	1	1	0	0	0	0	0	0	0	0	0
NA	0	4	3	0	0	3	0	0	1	0	0	0
A	0	62	98	0	0	0	0	0	0	0	0	0
C	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
T	0	32	0	0	0	47	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 858: detailed difference for SNP AtMSQTsnp 60

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
RRS-10	CS22565	8372	1	2	A	NA
Kno-10	CS22566	8317	1	3	A	NA
Kno-18	CS22567	8318	1	4	A	NA
Rmx-A02	CS22568	8370	1	5	A	NA
Rmx-A180	CS22569	8371	1	6	A	NA
Pna-17	CS22570	8359	1	7	A	NA

Pna-10	CS22571	8358	1	8	A	NA
Eden-1	CS22572	6009	4	9	T	NA
Eden-2	CS22573	8287	1	10	T	NA
Lv-1	CS22574	6043	2	11	T	NA
Lv-5	CS22575	6046	2	12	T	NA
Fb-2	CS22576	8292	1	13	T	NA
Fb-4	CS22577	8293	1	14	A	NA
Bil-5	CS22578	8262	1	15	T	NA
Bil-7	CS22579	8263	1	16	T	NA
Vr2-1	CS22580	8401	1	17	A	NA
Vr2-6	CS22581	8402	1	18	A	NA
Spr1-2	CS22582	8382	1	19	A	NA
Spr1-6	CS22583	8383	1	20	T	NA
m2-1	CS22584	8349	1	21	T	NA
m2-3	CS22585	8350	1	22	T	NA
Ull2-5	CS22586	8397	1	23	A	NA
Ull2-3	CS22587	8396	1	24	T	NA
Zdr-1	CS22588	8409	1	25	A	NA
Zdr-6	CS22589	8410	1	26	A	NA
Bor-1	CS22590	5837	1	27	NA	T
Bor-1	CS22590	6902	1	27	NA	A
Bor-4	CS22591	8268	1	28	A	NA
Pu2-7	CS22592	6956	1	29	-	A
Pu2-7	CS22592	8362	1	29	-	NA
Pu2-23	CS22593	8361	1	30	A	NA
Lp2-2	CS22594	8332	1	31	A	NA
Lp2-6	CS22595	8333	1	32	A	NA
HR-5	CS22596	8309	1	33	A	NA
HR-10	CS22597	8308	1	34	A	NA
NFA-8	CS22598	8346	1	35	A	NA
NFA-10	CS22599	8345	1	36	A	NA
Sq-1	CS22600	8384	1	37	A	NA
Sq-8	CS22601	8385	1	38	T	NA
CIBC-5	CS22602	8277	1	39	T	NA
CIBC-17	CS22603	8276	1	40	A	NA
Tamm-2	CS22604	8390	1	41	T	NA
Tamm-27	CS22605	8391	1	42	T	NA
KZ-1	CS22435	6826	1	43	NA	AT
KZ-1	CS22606	6930	1	43	NA	A
Kz-9	CS22607	8322	1	44	T	NA
Got-7	CS22608	8299	1	45	A	NA
Got-22	CS22609	8298	1	46	A	NA
REN-1	CS22253	6866	1	47	T	NA
Ren-1	CS22610	8367	1	47	T	NA
Ren-11	CS22611	8368	1	48	A	NA
Uod-1	CS22612	8398	1	49	A	NA
Uod-7	CS22613	8399	1	50	A	NA
Cvi-0	CS22614	8281	1	51	A	NA
Lz-0	CS22615	8336	1	52	A	NA
Ei-2	CS22616	8289	1	53	A	NA
Gu-0	CS22617	8301	1	54	A	NA
Ler-1	CS22618	8324	1	55	A	NA
Nd-1	CS22619	8344	1	56	A	NA
C24	CS22620	8273	1	57	A	NA
N13	CS22491	7438	1	58	T	NA
N13	CS22491	8429	1	58	T	NA
Wei-0	CS22622	8404	1	59	A	NA
Ws-0	CS22623	8405	1	60	T	NA
Yo-0	CS22624	8408	1	61	A	NA
Col-0	CS22625	8279	1	62	A	NA
An-1	CS22626	8253	1	63	A	NA
Van-0	CS6884	7383	1	64	NA	A
Br-0	CS22628	8269	1	65	T	NA
Est-1	CS22629	8291	1	66	T	NA
Ag-0	CS22630	8251	1	67	T	NA
Gy-0	CS22631	8302	1	68	T	NA
Ra-0	CS22632	8364	1	69	A	NA
Bay-0	CS22633	8260	1	70	A	NA
Ga-0	CS22634	8295	1	71	A	NA
Mrk-0	CS22635	8339	1	72	T	NA
Mz-0	CS22636	8342	1	73	T	NA
Wt-5	CS22637	8407	1	74	A	NA
Kas-2	CS22638	6925	1	75	NA	T
Kas-2	CS6751	7184	1	75	NA	T
Ct-1	CS22639	8280	1	76	A	NA
Mr-0	CS22640	8338	1	77	A	NA
Tsu-1	CS22641	8394	1	78	A	NA
Mt-0	CS22642	6939	1	79	T	NA
Mt-0	CS22642	8341	1	79	T	NA
Nok-3	CS22643	8347	1	80	A	NA
Wa-1	CS22644	8403	1	81	A	NA

Fei-0	CS22645	8294	1	82	A	NA
Se-0	CS22646	8379	1	83	A	NA
Ts-1	CS22647	8392	1	84	A	NA
Ts-5	CS22648	8393	1	85	T	NA
Pro-0	CS22649	8360	1	86	A	NA
LL-0	CS22650	8328	1	87	A	NA
Kondara	CS22651	8319	1	88	T	NA
Shahdara	CS22652	8248	1	89	A	NA
Sorbo	CS22653	8381	1	90	A	NA
Kin-0	CS22654	8316	1	91	A	NA
Ms-0	CS22655	8340	1	92	A	NA
Bur-0	CS22656	6905	1	93	A	NA
Bur-0	CS22656	8272	1	93	A	NA
Edi-0	CS22657	8288	1	94	A	NA
Oy-0	CS22658	8352	1	95	A	NA
Ws-2	CS22659	8406	1	96	T	NA

6.29 SNP AtMSQTsnp 61(chrom=1, pos=13395892, alignment id=1673, alignment start=13395451)

Table 859: SNP AtMSQTsnp 61(chromosome=1, position=13395892, alignment id=1673, alignment start=13395451)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	20	0	11	0	3	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0
C	0	70	0	86	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	33	0	0	0	29	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 860: detailed difference for SNP AtMSQTsnp 61

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
KNO-18	CS22418	6817	1	4	C	NA
KNO-18	CS22567	6928	1	4	C	NA
Kno-18	CS22567	8318	1	4	C	NA
Rmx-A02	CS22568	7524	1	5	C	NA
Rmx-A180	CS22569	7525	1	6	C	NA
Pna-10	CS22571	7526	1	8	C	NA
Eden-1	CS22572	6009	4	9	C	NA
Eden-2	CS22573	8287	1	10	C	NA
Lv-1	CS22574	6043	2	11	T	NA
Lv-1	CS22574	6934	1	11	T	NA
Lv-5	CS22575	6935	1	12	T	NA
Fb-2	CS22576	8292	1	13	C	NA
Bil-7	CS22579	6901	1	16	T	NA
Vr2-1	CS22580	8401	1	17	C	NA
Spr1-6	CS22583	8383	1	20	T	NA
m2-1	CS22584	8349	1	21	C	NA
M2-3	CS22585	7519	1	22	C	NA
m2-3	CS22585	8350	1	22	C	NA
Zdr-6	CS22589	8410	1	26	C	NA
Bor-4	CS22591	6903	1	28	T	NA
Bor-4	CS22591	8268	1	28	T	NA
Pu2-23	CS22593	6951	1	30	T	NA
Pu2-23	CS22453	6952	1	30	T	NA
Pu2-23	CS22593	8361	1	30	T	NA
HR-5	CS22596	8309	1	33	C	NA
HR-10	CS22597	6923	1	34	C	NA
HR-10	CS22597	8308	1	34	C	NA
NFA-10	CS22599	6943	1	36	C	NA
NFA-10	CS22599	8345	1	36	C	NA
Sq-1	CS22600	8384	1	37	C	NA
Sq-8	CS22601	8385	1	38	C	NA
Tamm-2	CS22604	8390	1	41	C	NA
Tamm-27	CS22605	8391	1	42	C	NA
Kz-1	CS22606	8320	1	43	C	NA
Kz-9	CS22607	8322	1	44	C	NA
Got-7	CS22608	8299	1	45	T	NA

GOT-22	CS22298	6775	1	46	T	NA
GOT-22	CS22609	6920	1	46	T	NA
Got-22	CS22609	8298	1	46	T	NA
Ren-1	CS22610	8367	1	47	C	NA
REN-11	CS22263	6867	1	48	C	NA
Ren-11	CS22611	8368	1	48	C	NA
Uod-1	CS22612	8398	1	49	T	NA
Uod-7	CS22613	6976	1	50	T	NA
Uod-7	CS22613	8399	1	50	T	NA
Cvi-0	CS6675	7065	1	51	C	NA
Cvi-0	CS22614	8281	1	51	C	NA
Lz-0	CS22615	6936	1	52	NA	C
Lz-0	CS6788	7219	1	52	NA	C
Ei-2	CS22616	8289	1	53	NA	C
Gu-0	CS22617	6922	1	54	C	NA
Gu-0	CS6730	7149	1	54	C	NA
Gu-0	CS22617	8301	1	54	C	NA
Ler-1	CS22618	6932	1	55	NA	C
Nd-1	CS1636	7266	1	56	C	NA
C24	CS906	7059	1	57	T	NA
C24	CS22620	8273	1	57	T	NA
N13	CS22621	6941	1	58	NA	T
N13	CS22491	7438	1	58	NA	T
Wei-0	CS22622	8404	1	59	T	NA
Ws-0	CS22623	8405	1	60	C	NA
Yo-0	CS6901	7416	1	61	C	NA
Yo-0	CS22624	8408	1	61	C	NA
Col-0	CS22625	6909	1	62	C	NA
Col-0	CS6673	7082	1	62	C	NA
Col-0	CS22625	8279	1	62	C	NA
An-1	CS22626	6898	1	63	C	NA
An-1	CS6603	6995	1	63	C	NA
An-1	CS22626	8253	1	63	C	NA
Br-0	CS6626	7027	1	65	C	NA
Br-0	CS22628	8269	1	65	C	NA
Est-1	CS6701	7129	1	66	T	NA
Est-1	CS22629	8291	1	66	T	NA
Ag-0	CS22630	8251	1	67	T	NA
Gy-0	CS6732	7421	1	68	C	NA
Gy-0	CS22631	8214	1	68	C	NA
Gy-0	CS22631	8302	1	68	C	NA
Ra-0	CS22632	6958	1	69	C	NA
Ra-0	CS6844	7312	1	69	C	NA
Ra-0	CS22632	8364	1	69	C	NA
Bay-0	CS22633	8260	1	70	C	NA
Ga-0	CS6714	7140	1	71	C	NA
Ga-0	CS22634	8295	1	71	C	NA
Mrk-0	CS22635	8339	1	72	C	NA
Mz-0	CS22636	8342	1	73	C	NA
Wt-5	CS22637	6982	1	74	NA	C
Wt-5	CS6896	7410	1	74	NA	C
Kas-2	CS22638	6925	1	75	NA	C
Kas-2	CS6751	7184	1	75	NA	C
Ct-1	CS22639	6910	1	76	NA	C
Ct-1	CS6674	7067	1	76	NA	C
Mr-0	CS22640	8338	1	77	C	NA
Tsu-1	CS22641	8394	1	78	C	NA
Mt-0	CS22642	6939	1	79	C	NA
Mt-0	CS6799	7249	1	79	C	NA
Mt-0	CS22642	8341	1	79	C	NA
Nok-3	CS6810	7272	1	80	C	NA
Nok-3	CS22643	8347	1	80	C	NA
Wa-1	CS22644	8403	1	81	C	NA
Fei-0	CS22645	8215	1	82	NA	C
Se-0	CS6852	7326	1	83	NA	T
Ts-5	CS22648	8393	1	85	C	NA
Pro-0	CS22649	8360	1	86	C	NA
LL-0	CS22650	8328	1	87	C	NA
Sorbo	CS22653	8381	1	90	C	NA
Kin-0	CS22654	8316	1	91	C	NA
Ms-0	CS6797	7254	1	92	T	NA
Ms-0	CS22655	8340	1	92	T	NA
Bur-0	CS22656	6905	1	93	T	NA
Bur-0	CS6643	7058	1	93	T	NA
Bur-0	CS22656	8272	1	93	T	NA
Edi-0	CS22657	8288	1	94	C	NA
Oy-0	CS22658	6946	1	95	T	NA
Oy-0	CS6824	7288	1	95	T	NA
Oy-0	CS22658	8352	1	95	T	NA
Ws-2	CS2360	7399	2	96	T	NA
Ws-2	CS22659	8406	1	96	T	NA

6.30 SNP AtMSQTsnp 62(chrom=1, pos=13541648, alignment id=808, alignment start=13541490)

Table 861: SNP AtMSQTsnp 62(chromosome=1, position=13541648, alignment id=808, alignment start=13541490)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	0	0	0	0	0	0	0	0
A	0	6	167	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	2	0	0	76	0	0	1	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 862: detailed difference for SNP AtMSQTsnp 62

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	A	NA
Tamm-2	CS22604	6968	1	41	A	NA
Ren-11	CS22611	8368	1	48	A	NA
Br-0	CS6626	7027	1	65	A	NA
Mr-0	CS6795	7429	1	77	G	AG
Mt-0	CS22642	6939	1	79	A	NA
Wa-1	CS22644	6978	1	81	G	NA
Pro-0	CS22649	8213	1	86	G	NA
Shahdara	CS22652	8248	1	89	A	NA

6.31 SNP AtMSQTsnp 63(chrom=1, pos=13712241, alignment id=345, alignment start=13711856)

Table 863: SNP AtMSQTsnp 63(chromosome=1, position=13712241, alignment id=345, alignment start=13711856)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	0	23	0	0	1	0	0	0	0	0
A	0	7	80	0	0	0	0	0	0	0	0	0
C	0	4	1	96	0	0	0	0	0	0	0	0
G	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
AC	0	0	3	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 864: detailed difference for SNP AtMSQTsnp 63

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	C	NA
Zdr-6	CS22589	6985	1	26	NA	C
Zdr-6	CS22589	8410	1	26	NA	C
Lp2-2	CS22594	7520	1	31	A	NA
Lp2-2	CS22594	8332	1	31	A	NA
NFA-10	CS22599	6943	1	36	NA	C
NFA-10	CS22599	8345	1	36	NA	C
CIBC-5	CS22224	6730	1	39	C	A
Tamm-2	CS22604	6968	1	41	C	NA
KZ-1	CS22435	6826	1	43	NA	C
KZ-1	CS22606	6930	1	43	NA	C
Kz-1	CS22606	8320	1	43	NA	C
Ren-11	CS22611	8368	1	48	C	NA
Cvi-0	CS22614	6911	1	51	NA	C
Cvi-0	CS6675	7065	1	51	NA	C

Cvi-0	CS22614	8281	1	51	NA	C
Ws-0	CS22623	6980	1	60	NA	C
Ws-0	CS6891	7396	1	60	NA	C
Ws-0	CS22623	8405	1	60	NA	C
Van-0	CS22627	6977	1	64	AC	A
Van-0	CS6884	7383	1	64	AC	A
Van-0	CS22627	8400	1	64	AC	A
Ga-0	CS22634	6919	1	71	NA	C
Ga-0	CS6714	7140	1	71	NA	C
Ga-0	CS22634	8295	1	71	NA	C
Mr-0	CS6795	7429	1	77	NA	C
Mr-0	CS6795	7429	2	77	NA	C
Mr-0	CS22640	7522	1	77	NA	C
Mr-0	CS22640	8338	1	77	NA	C
Mt-0	CS22642	6939	1	79	A	NA
Ts-1	CS22647	6970	1	84	NA	C
Ts-1	CS6868	7366	1	84	NA	C
Ts-1	CS22647	8392	1	84	NA	C
Pro-0	CS22649	8360	1	86	NA	AC
Shahdara	CS22652	8248	1	89	C	NA
Ws-2	CS22659	6981	1	96	A	NA
Ws-2	CS2360	7399	1	96	A	NA
Ws-2	CS2360	7399	2	96	A	NA
Ws-2	CS22659	8406	1	96	A	NA

6.32 SNP AtMSQTsnp 65(chrom=1, pos=16874727, alignment id=290, alignment start=16874305)

Table 865: SNP AtMSQTsnp 65(chromosome=1, position=16874727, alignment id=290, alignment start=16874305)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	0	0	0	0	0	0	0	0
A	0	3	164	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	3	1	0	77	0	0	1	0	0	0	0
T	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
AG	0	1	2	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 866: detailed difference for SNP AtMSQTsnp 65

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	G	NA
Vr2-1	CS22580	8401	1	17	G	NA
CIBC-5	CS22224	6730	1	39	G	A
Ren-11	CS22611	8368	1	48	A	NA
Van-0	CS22627	6977	1	64	AG	NA
Van-0	CS6884	7383	1	64	AG	A
Van-0	CS22627	8400	1	64	AG	A
Br-0	CS22628	8269	1	65	A	NA
Mr-0	CS6795	7429	1	77	G	AG
Mt-0	CS22642	6939	1	79	A	NA
Wa-1	CS22644	8403	1	81	G	NA

6.33 SNP AtMSQTsnp 67(chrom=1, pos=17355738, alignment id=660, alignment start=17355484)

Table 867: SNP AtMSQTsnp 67(chromosome=1, position=17355738, alignment id=660, alignment start=17355484)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	0	0	2	0	0	0	0	0	0	0
A	0	43	73	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	51	3	0	79	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 868: detailed difference for SNP AtMSQTsnp 67

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
RRS-10	CS22565	8372	1	2	G	NA
KNO-10	CS22410	6809	1	3	NA	G
KNO-10	CS22566	6927	1	3	NA	G
Kno-18	CS22567	8318	1	4	G	NA
Rmx-A02	CS22568	8370	1	5	G	NA
Rmx-A180	CS22569	8371	1	6	G	NA
Pna-17	CS22570	8359	1	7	A	NA
Eden-1	CS22572	6009	4	9	A	NA
Eden-2	CS22573	8287	1	10	A	NA
Lv-1	CS22574	6043	2	11	A	NA
Lv-5	CS22575	6046	2	12	A	NA
Fb-2	CS22576	8292	1	13	A	NA
Fb-4	CS22577	8293	1	14	G	NA
Bil-5	CS22578	8262	1	15	G	NA
Bil-7	CS22579	8263	1	16	G	NA
Vr2-1	CS22580	8401	1	17	A	NA
Vr2-6	CS22581	8402	1	18	A	NA
Spr1-2	CS22582	8382	1	19	A	NA
Spr1-6	CS22583	8383	1	20	G	NA
m2-1	CS22584	8349	1	21	G	NA
m2-3	CS22585	8350	1	22	A	NA
Ull2-5	CS22586	8397	1	23	A	NA
Ull2-3	CS22587	8396	1	24	G	NA
Zdr-1	CS22588	8409	1	25	G	NA
Zdr-6	CS22589	8410	1	26	G	NA
Bor-1	CS22590	5837	1	27	G	A
Bor-1	CS22590	5837	2	27	G	NA
Bor-4	CS22591	8268	1	28	G	NA
Pu2-7	CS22592	8362	1	29	A	NA
Pu2-23	CS22593	8361	1	30	G	NA
Lp2-2	CS22594	8332	1	31	G	NA
Lp2-6	CS22595	8333	1	32	G	NA
HR-5	CS22596	8309	1	33	A	NA
HR-10	CS22597	8308	1	34	G	NA
NFA-8	CS22598	8346	1	35	A	NA
NFA-10	CS22599	8345	1	36	G	NA
Sq-1	CS22600	8384	1	37	G	NA
Sq-8	CS22601	8385	1	38	A	NA
CIBC-5	CS22224	6730	1	39	G	A
CIBC-5	CS22602	8277	1	39	G	NA
CIBC-17	CS22603	8276	1	40	G	NA
Tamm-2	CS22604	8390	1	41	A	NA
Tamm-27	CS22605	8391	1	42	A	NA
KZ-1	CS22435	6826	1	43	G	A
Kz-1	CS22606	8320	1	43	G	NA
Kz-9	CS22607	8322	1	44	A	NA
Got-7	CS22608	8299	1	45	G	NA
Got-22	CS22609	8298	1	46	G	NA
Ren-1	CS22610	8367	1	47	G	NA
Ren-11	CS22611	8368	1	48	A	NA
Uod-1	CS22612	8398	1	49	G	NA
Uod-7	CS22613	8399	1	50	G	NA
Cvi-0	CS22614	8281	1	51	A	NA
Lz-0	CS22615	8336	1	52	G	NA
Ei-2	CS22616	8289	1	53	G	NA
Gu-0	CS22617	8301	1	54	A	NA
Ler-1	CS22618	8324	1	55	G	NA
Nd-1	CS22619	8344	1	56	A	NA
C24	CS22620	8273	1	57	G	NA
N13	CS22491	8429	1	58	G	NA
Wei-0	CS22622	8404	1	59	A	NA
Ws-0	CS22623	8405	1	60	G	NA
Yo-0	CS22624	8408	1	61	A	NA
Col-0	CS22625	8279	1	62	G	NA
An-1	CS22626	8253	1	63	A	NA
Van-0	CS22627	6977	1	64	G	NA
Van-0	CS22627	8400	1	64	G	NA
Br-0	CS22628	8269	1	65	G	NA
Est-1	CS22629	8291	1	66	G	NA

Ag-0	CS22630	8251	1	67	G	NA
Gy-0	CS22631	8302	1	68	A	NA
Ra-0	CS22632	8364	1	69	A	NA
Bay-0	CS22633	8260	1	70	G	NA
Ga-0	CS22634	8295	1	71	A	NA
Mrk-0	CS22635	8339	1	72	G	NA
Mz-0	CS22636	8342	1	73	A	NA
Wt-5	CS22637	8407	1	74	G	NA
Ct-1	CS22639	8280	1	76	G	NA
Mr-0	CS22640	8338	1	77	G	NA
Tsu-1	CS22641	8394	1	78	A	NA
Mt-0	CS22642	6939	1	79	A	NA
Mt-0	CS22642	8341	1	79	A	NA
Nok-3	CS22643	8347	1	80	G	NA
Wa-1	CS22644	8403	1	81	G	NA
Fei-0	CS22645	8294	1	82	A	NA
Se-0	CS22646	8379	1	83	G	NA
Ts-1	CS22647	8392	1	84	G	NA
Ts-5	CS22648	8393	1	85	A	NA
Pro-0	CS22649	8360	1	86	G	NA
LL-0	CS22650	8328	1	87	A	NA
Kondara	CS22651	8319	1	88	A	NA
Shahdara	CS22652	8248	1	89	A	NA
Sorbo	CS22653	8381	1	90	A	NA
Kin-0	CS22654	8316	1	91	A	NA
Ms-0	CS22655	8340	1	92	G	NA
Bur-0	CS22656	8272	1	93	A	NA
Edi-0	CS22657	8288	1	94	A	NA
Oy-0	CS22658	8352	1	95	A	NA
Ws-2	CS22659	8406	1	96	A	NA

6.34 SNP AtMSQTsnp 69(chrom=1, pos=18340160, alignment id=1407, alignment start=18340113)

Table 869: SNP AtMSQTsnp 69(chromosome=1, position=18340160, alignment id=1407, alignment start=18340113)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	2	6	0	0	0	0	0	0
A	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
G	0	4	0	0	157	0	0	0	0	0	0	1
T	0	0	0	0	0	82	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 870: detailed difference for SNP AtMSQTsnp 69

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Pna-10	CS22571	7526	1	8	NA	T
Pna-10	CS22571	8358	1	8	NA	T
Eden-1	CS22572	6009	4	9	G	NA
Eden-2	CS22573	6913	1	10	NA	G
Eden-2	CS22573	8287	1	10	NA	G
Ull2-5	CS22586	6974	1	23	NA	T
Ull2-5	CS22586	8397	1	23	NA	T
Bor-4	CS22591	6903	1	28	NA	T
Bor-4	CS22591	8268	1	28	NA	T
Gu-0	CS22617	6922	1	54	G	NA
Ra-0	CS22632	6958	1	69	G	NA
Mr-0	CS6795	7429	1	77	G	GT
Mt-0	CS22642	6939	1	79	G	NA

6.35 SNP AtMSQTsnp 73(chrom=1, pos=20175347, alignment id=1477, alignment start=20174753)

Table 871: SNP AtMSQTsnp 73(chromosome=1, position=20175347, alignment id=1477, alignment start=20174753)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	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
C	0	23	0	86	0	2	0	0	0	0	2	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	12	0	0	0	127	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 872: detailed difference for SNP AtMSQTsnp 73

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
KNO-10	CS22410	6809	1	3	C	NA
KNO-18	CS22567	6928	1	4	C	NA
Rmx-A02	CS22568	7524	1	5	C	NA
Rmx-A180	CS22569	7525	1	6	C	NA
Pna-10	CS22571	7526	1	8	C	NA
Eden-1	CS22572	6009	2	9	T	NA
Eden-1	CS22572	6009	3	9	T	NA
Eden-1	CS22572	6009	4	9	T	NA
Lv-1	CS22574	6934	1	11	C	NA
Lv-5	CS22575	6935	1	12	C	NA
Vr2-1	CS22580	8401	1	17	T	NA
Bor-1	CS22590	5837	1	27	T	NA
Bor-4	CS22591	6903	1	28	T	NA
Sq-8	CS22601	6967	1	38	T	NA
CIBC-5	CS22224	6730	1	39	C	T
KZ-1	CS22435	6826	1	43	C	T
REN-11	CS22263	6867	1	48	C	CT
Ren-11	CS22611	8368	1	48	C	NA
Cvi-0	CS6675	7065	1	51	C	NA
Ei-2	CS22616	6915	1	53	C	NA
Ei-2	CS6689	7112	1	53	C	NA
N13	CS22491	7438	1	58	T	NA
Van-0	CS22627	6977	1	64	C	NA
Br-0	CS6626	7027	1	65	C	NA
Br-0	CS22628	8269	1	65	C	NA
Ag-0	CS22630	6897	1	67	C	NA
Gy-0	CS22631	8214	1	68	C	NA
Wt-5	CS22637	6982	1	74	T	NA
Mr-0	CS6795	7429	1	77	C	CT
Mt-0	CS22642	6939	1	79	T	NA
Wa-1	CS22644	8403	1	81	T	NA
Fei-0	CS22645	8215	1	82	C	NA
Se-0	CS6852	7326	1	83	C	NA
Ts-1	CS22647	6970	1	84	C	NA
Ts-1	CS6868	7366	1	84	C	NA
Bur-0	CS22656	6905	1	93	C	NA
Oy-0	CS22658	6946	1	95	C	NA
Oy-0	CS6824	7288	1	95	C	NA
Ws-2	CS2360	7399	2	96	T	NA

6.36 SNP AtMSQTsnp 76(chrom=1, pos=21908667, alignment id=2670, alignment start=21908157)

Table 873: SNP AtMSQTsnp 76(chromosome=1, position=21908667, alignment id=2670, alignment start=21908157)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	3	0	4	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0
C	0	3	0	76	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	4	0	1	0	160	0	0	0	0	1	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0

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

Table 874: detailed difference for SNP AtMSQTsnp 76

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	T	NA
Eden-2	CS22573	6913	1	10	NA	T
Eden-2	CS22573	8287	1	10	NA	T
Bor-1	CS22590	5837	1	27	T	C
Tamm-27	CS22605	6969	1	42	NA	T
Tamm-27	CS22605	8391	1	42	NA	T
Ren-11	CS22611	8368	1	48	C	NA
N13	CS22491	7438	1	58	T	NA
Yo-0	CS6901	7416	1	61	T	NA
Ra-0	CS22632	6958	1	69	C	NA
Ga-0	CS22634	6919	1	71	NA	C
Ga-0	CS6714	7140	1	71	NA	C
Ga-0	CS22634	8295	1	71	NA	C
Mr-0	CS6795	7429	1	77	T	CT
Mt-0	CS22642	6939	1	79	C	NA
Se-0	CS6852	7326	1	83	T	NA

6.37 SNP AtMSQTsnp 85(chrom=1, pos=23155780, alignment id=668, alignment start=23155464)

Table 875: SNP AtMSQTsnp 85(chromosome=1, position=23155780, alignment id=668, alignment start=23155464)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	12	0	0	2	0	0	0	0	0	0
A	0	6	150	0	0	1	0	0	0	0	0	0
C	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
T	0	1	0	0	0	74	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 876: detailed difference for SNP AtMSQTsnp 85

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	1	9	A	NA
Eden-1	CS22572	6009	2	9	A	NA
Eden-1	CS22572	6009	4	9	A	NA
Spr1-6	CS22583	6965	1	20	NA	A
Spr1-6	CS22583	8383	1	20	NA	A
Ull2-5	CS22586	6974	1	23	NA	T
Ull2-5	CS22586	8397	1	23	NA	T
Ull2-3	CS22587	6973	1	24	NA	A
Ull2-3	CS22587	8396	1	24	NA	A
CIBC-5	CS22224	6730	1	39	A	T
Tamm-2	CS22604	6968	1	41	A	NA
Mr-0	CS6795	7429	1	77	NA	A
Mr-0	CS6795	7429	2	77	NA	A
Mr-0	CS22640	7522	1	77	NA	A
Mr-0	CS22640	8338	1	77	NA	A
Tsu-1	CS22641	6972	1	78	NA	A
Tsu-1	CS6926	7374	1	78	NA	A
Tsu-1	CS22641	8394	1	78	NA	A
Mt-0	CS22642	6939	1	79	A	NA
Wa-1	CS22644	6978	1	81	T	NA
Pro-0	CS22649	8360	1	86	NA	A
Shahdara	CS22652	8248	1	89	A	NA

6.38 SNP AtMSQTsnp 87(chrom=1, pos=23381760, alignment id=312, alignment start=23381443)

Table 877: SNP AtMSQTsnp 87(chromosome=1, position=23381760, alignment id=312, alignment start=23381443)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	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
C	0	25	0	116	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	38	0	1	0	67	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	1	0	2	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 878: detailed difference for SNP AtMSQTsnp 87

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Kno-10	CS22566	8317	1	3	T	NA
Kno-18	CS22567	8318	1	4	T	NA
Rmx-A02	CS22568	8370	1	5	T	NA
Rmx-A180	CS22569	8371	1	6	T	NA
Pna-17	CS22570	8359	1	7	C	NA
Pna-10	CS22571	8358	1	8	T	NA
Eden-1	CS22572	6009	4	9	C	NA
Eden-2	CS22573	8287	1	10	C	NA
Lv-1	CS22574	6043	2	11	C	NA
Fb-2	CS22576	8292	1	13	T	NA
Vr2-6	CS22581	8402	1	18	T	NA
Spr1-6	CS22583	8383	1	20	T	NA
m2-1	CS22584	8349	1	21	C	NA
m2-3	CS22585	8350	1	22	T	NA
Ull2-5	CS22586	8397	1	23	T	NA
Zdr-6	CS22589	8410	1	26	T	NA
Pu2-7	CS22592	8362	1	29	T	NA
Pu2-23	CS22593	8361	1	30	C	NA
Lp2-2	CS22594	8332	1	31	C	NA
Lp2-6	CS22595	8333	1	32	T	NA
HR-10	CS22597	8308	1	34	T	NA
NFA-10	CS22599	8345	1	36	T	NA
Sq-1	CS22600	8384	1	37	C	NA
CIBC-5	CS22224	6730	1	39	T	C
CIBC-5	CS22602	8277	1	39	T	NA
Tamm-2	CS22604	8390	1	41	C	NA
Tamm-27	CS22605	8391	1	42	C	NA
Kz-1	CS22606	8320	1	43	T	NA
Kz-9	CS22607	8322	1	44	T	NA
Ren-1	CS22610	8367	1	47	C	NA
Ren-11	CS22611	8368	1	48	C	NA
Uod-7	CS22613	8399	1	50	T	NA
Cvi-0	CS22614	8281	1	51	T	NA
Ei-2	CS22616	8289	1	53	T	NA
Ler-1	CS22618	8324	1	55	T	NA
Nd-1	CS22619	8344	1	56	T	NA
C24	CS22620	8273	1	57	C	NA
N13	CS22491	8429	1	58	T	NA
Wei-0	CS22622	8404	1	59	T	NA
Ws-0	CS22623	8405	1	60	T	NA
Yo-0	CS22624	8408	1	61	T	NA
Col-0	CS22625	8279	1	62	T	NA
An-1	CS22626	8253	1	63	T	NA
Van-0	CS22627	6977	1	64	CT	NA
Van-0	CS6884	7383	1	64	CT	C
Van-0	CS22627	8400	1	64	CT	C
Br-0	CS22628	8269	1	65	C	NA
Gy-0	CS22631	8302	1	68	C	NA
Ra-0	CS22632	8364	1	69	T	NA
Ga-0	CS22634	8295	1	71	T	NA
Mrk-0	CS22635	8339	1	72	T	NA
Wt-5	CS22637	8407	1	74	C	NA
Ct-1	CS22639	8280	1	76	T	NA
Tsu-1	CS22641	8394	1	78	C	NA
Mt-0	CS22642	6939	1	79	T	NA
Mt-0	CS22642	8341	1	79	T	NA
Wa-1	CS22644	8403	1	81	T	NA
Se-0	CS6852	7326	1	83	C	NA

LL-0	CS22650	8328	1	87	C	NA
Shahdara	CS22652	8248	1	89	C	NA
Sorbo	CS22653	8381	1	90	C	NA
Kin-0	CS22654	8316	1	91	T	NA
Ms-0	CS22655	8340	1	92	C	NA
Bur-0	CS22656	8272	1	93	C	NA
Edi-0	CS22657	8288	1	94	C	NA
Oy-0	CS22658	8352	1	95	C	NA
Ws-2	CS22659	8406	1	96	T	NA

6.39 SNP AtMSQTsnp 88(chrom=1, pos=23395010, alignment id=1071, alignment start=23394478)

Table 879: SNP AtMSQTsnp 88(chromosome=1, position=23395010, alignment id=1071, alignment start=23394478)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	15	0	0	0	0	0	0	0
A	0	3	61	0	1	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	2	0	0	160	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 880: detailed difference for SNP AtMSQTsnp 88

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Bor-1	CS22590	5837	1	27	A	G
NFA-10	CS22599	6943	1	36	NA	G
NFA-10	CS22599	8345	1	36	NA	G
Tamm-2	CS22604	6968	1	41	A	NA
REN-1	CS22253	6866	1	47	NA	G
REN-1	CS22610	6959	1	47	NA	G
Ren-1	CS22610	8367	1	47	NA	G
Ler-1	CS6928	7211	1	55	G	NA
Est-1	CS22629	6916	1	66	NA	G
Est-1	CS6701	7129	1	66	NA	G
Est-1	CS22629	8291	1	66	NA	G
Mr-0	CS6795	7429	1	77	NA	G
Mr-0	CS6795	7429	2	77	NA	G
Mr-0	CS22640	7522	1	77	NA	G
Mr-0	CS22640	8338	1	77	NA	G
Wa-1	CS22644	6978	1	81	A	NA
Pro-0	CS22649	8213	1	86	G	NA
Shahdara	CS22652	8248	1	89	A	NA
Kin-0	CS22654	6926	1	91	NA	G
Kin-0	CS6755	7193	1	91	NA	G
Kin-0	CS22654	8316	1	91	NA	G

6.40 SNP AtMSQTsnp 90(chrom=1, pos=23893336, alignment id=69, alignment start=23893276)

Table 881: SNP AtMSQTsnp 90(chromosome=1, position=23893336, alignment id=69, alignment start=23893276)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	0	0	0	4	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0
C	0	1	0	90	0	1	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	5	0	1	0	146	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	3	0	0	0	0	0	0	0	0

GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 882: detailed difference for SNP AtMSQTsnp 90

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	1	9	NA	T
Eden-1	CS22572	6009	2	9	NA	T
Eden-1	CS22572	6009	3	9	NA	T
Eden-1	CS22572	6912	1	9	NA	T
CIBC-5	CS22224	6730	1	39	T	C
Tamm-2	CS22604	6968	1	41	T	NA
KZ-1	CS22435	6826	1	43	C	T
Ren-11	CS22611	8368	1	48	T	NA
Van-0	CS22627	6977	1	64	CT	C
Van-0	CS6884	7383	1	64	CT	C
Van-0	CS22627	8400	1	64	CT	C
Mt-0	CS22642	6939	1	79	C	NA
Wa-1	CS22644	6978	1	81	T	NA
Pro-0	CS22649	8213	1	86	T	NA
Shahdara	CS22652	8248	1	89	T	NA

6.41 SNP AtMSQTsnp 91(chrom=1, pos=24071689, alignment id=1427, alignment start=24071203)

Table 883: SNP AtMSQTsnp 91(chromosome=1, position=24071689, alignment id=1427, alignment start=24071203)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	0	0	0	0	0	0	0	0
A	0	48	74	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	48	1	0	80	0	0	1	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 884: detailed difference for SNP AtMSQTsnp 91

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
RRS-10	CS22565	8372	1	2	A	NA
Kno-10	CS22566	8317	1	3	A	NA
Kno-18	CS22567	8318	1	4	G	NA
Rmx-A02	CS22568	8370	1	5	A	NA
Rmx-A180	CS22569	8371	1	6	A	NA
Pna-17	CS22570	8359	1	7	G	NA
Pna-10	CS22571	8358	1	8	A	NA
Eden-1	CS22572	6009	4	9	G	NA
Eden-2	CS22573	8287	1	10	G	NA
Lv-1	CS22574	6043	2	11	G	NA
Lv-5	CS22575	6046	2	12	G	NA
Fb-2	CS22576	8292	1	13	G	NA
Fb-4	CS22577	8293	1	14	G	NA
Bil-5	CS22578	8262	1	15	G	NA
Bil-7	CS22579	8263	1	16	G	NA
Vr2-1	CS22580	8401	1	17	A	NA
Vr2-6	CS22581	8402	1	18	G	NA
Spr1-2	CS22582	8382	1	19	A	NA
Spr1-6	CS22583	8383	1	20	A	NA
m2-1	CS22584	8349	1	21	A	NA
m2-3	CS22585	8350	1	22	A	NA
Ull2-5	CS22586	8397	1	23	A	NA
Ull2-3	CS22587	8396	1	24	A	NA
Zdr-1	CS22588	8409	1	25	G	NA
Zdr-6	CS22589	8410	1	26	A	NA
Bor-1	CS22590	5837	1	27	G	A
Bor-1	CS22590	5837	2	27	G	NA
Bor-4	CS22591	8268	1	28	A	NA
Pu2-7	CS22592	8362	1	29	G	NA
Pu2-23	CS22593	8361	1	30	G	NA

Lp2-2	CS22594	8332	1	31	G	NA
Lp2-6	CS22595	8333	1	32	A	NA
HR-5	CS22596	8309	1	33	A	NA
HR-10	CS22597	8308	1	34	A	NA
NFA-8	CS22598	8346	1	35	A	NA
NFA-10	CS22599	8345	1	36	A	NA
Sq-1	CS22600	8384	1	37	G	NA
Sq-8	CS22601	8385	1	38	G	NA
CIBC-5	CS22602	8277	1	39	A	NA
CIBC-17	CS22603	8276	1	40	G	NA
Tamm-2	CS22604	8390	1	41	A	NA
Tamm-27	CS22605	8391	1	42	A	NA
Kz-1	CS22606	8320	1	43	A	NA
Kz-9	CS22607	8322	1	44	A	NA
Got-7	CS22608	8299	1	45	G	NA
Got-22	CS22609	8298	1	46	G	NA
Ren-1	CS22610	8367	1	47	A	NA
Ren-11	CS22611	8368	1	48	A	NA
Uod-1	CS22612	8398	1	49	A	NA
Uod-7	CS22613	8399	1	50	A	NA
Cvi-0	CS22614	8281	1	51	A	NA
Lz-0	CS22615	8336	1	52	G	NA
Ei-2	CS22616	8289	1	53	G	NA
Gu-0	CS22617	8301	1	54	A	NA
Ler-1	CS22618	8324	1	55	A	NA
Nd-1	CS22619	8344	1	56	G	NA
C24	CS22620	8273	1	57	A	NA
N13	CS22491	8429	1	58	G	NA
Wei-0	CS22622	8404	1	59	G	NA
Ws-0	CS22623	8405	1	60	G	NA
Yo-0	CS22624	8408	1	61	A	NA
Col-0	CS22625	8279	1	62	G	NA
An-1	CS22626	8253	1	63	A	NA
Van-0	CS22627	6977	1	64	A	NA
Van-0	CS22627	8400	1	64	A	NA
Br-0	CS22628	8269	1	65	G	NA
Est-1	CS22629	8291	1	66	G	NA
Ag-0	CS22630	8251	1	67	A	NA
Gy-0	CS22631	8302	1	68	G	NA
Ra-0	CS22632	8364	1	69	A	NA
Bay-0	CS22633	8260	1	70	G	NA
Ga-0	CS22634	8295	1	71	A	NA
Mrk-0	CS22635	8339	1	72	A	NA
Mz-0	CS22636	8342	1	73	G	NA
Wt-5	CS22637	8407	1	74	A	NA
Ct-1	CS22639	8280	1	76	A	NA
Mr-0	CS6795	7429	1	77	G	AG
Mr-0	CS22640	8338	1	77	G	NA
Tsu-1	CS22641	8394	1	78	G	NA
Mt-0	CS22642	6939	1	79	G	NA
Mt-0	CS22642	8341	1	79	G	NA
Nok-3	CS22643	8347	1	80	G	NA
Wa-1	CS22644	8403	1	81	A	NA
Fei-0	CS22645	8294	1	82	G	NA
Se-0	CS22646	8379	1	83	G	NA
Ts-1	CS22647	8392	1	84	G	NA
Ts-5	CS22648	8393	1	85	A	NA
Pro-0	CS22649	8360	1	86	A	NA
LL-0	CS22650	8328	1	87	G	NA
Kondara	CS22651	8319	1	88	A	NA
Shahdara	CS22652	8248	1	89	G	NA
Sorbo	CS22653	8381	1	90	A	NA
Kin-0	CS22654	8316	1	91	G	NA
Ms-0	CS22655	8340	1	92	G	NA
Bur-0	CS22656	8272	1	93	G	NA
Edi-0	CS22657	8288	1	94	G	NA
Oy-0	CS22658	8352	1	95	G	NA
Ws-2	CS22659	8406	1	96	A	NA

6.42 SNP AtMSQTsnp 92(chrom=1, pos=24292774, alignment id=672, alignment start=24292482)

Table 885: SNP AtMSQTsnp 92(chromosome=1, position=24292774, alignment id=672, alignment start=24292482)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	6	5	0	4	0	0	0	0	0	0	0

A	0	17	32	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	52	2	0	79	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 886: detailed difference for SNP AtMSQTsnp 92

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
RRS-10	CS22565	8372	1	2	G	NA
Kno-10	CS22566	8317	1	3	G	NA
Kno-18	CS22567	8318	1	4	G	NA
Rmx-A02	CS22568	8370	1	5	G	NA
Rmx-A180	CS22569	8371	1	6	G	NA
Pna-10	CS22571	8358	1	8	G	NA
Eden-1	CS22572	6009	1	9	NA	G
Eden-1	CS22572	6009	2	9	NA	G
Eden-1	CS22572	6009	3	9	NA	G
Eden-1	CS22572	6912	1	9	NA	G
Eden-2	CS22573	8287	1	10	G	NA
Fb-2	CS22576	8292	1	13	A	NA
Fb-4	CS22577	8293	1	14	G	NA
Bil-5	CS22578	8262	1	15	G	NA
Bil-7	CS22579	8263	1	16	G	NA
Vr2-1	CS22580	8401	1	17	G	NA
Vr2-6	CS22581	8402	1	18	G	NA
Spr1-2	CS22582	8382	1	19	G	NA
m2-3	CS22585	8350	1	22	G	NA
Ull2-3	CS22587	8396	1	24	G	NA
Bor-1	CS22590	5837	1	27	G	A
Bor-1	CS22590	5837	2	27	G	NA
Bor-4	CS22591	8268	1	28	G	NA
Pu2-7	CS22592	8362	1	29	A	NA
Pu2-23	CS22593	8361	1	30	G	NA
Lp2-2	CS22594	8332	1	31	A	NA
HR-5	CS22596	8309	1	33	G	NA
HR-10	CS22597	6923	1	34	NA	A
NFA-10	CS22599	6943	1	36	NA	A
Sq-1	CS22600	8384	1	37	G	NA
CIBC-5	CS22602	8277	1	39	G	NA
CIBC-17	CS22603	8276	1	40	G	NA
Tamm-2	CS22604	8390	1	41	A	NA
Tamm-27	CS22605	8391	1	42	A	NA
KZ-1	CS22435	6826	1	43	NA	A
KZ-1	CS22606	6930	1	43	NA	A
Got-7	CS22608	8299	1	45	G	NA
Got-22	CS22609	8298	1	46	G	NA
Ren-11	CS22611	8368	1	48	G	NA
Uod-1	CS22612	8398	1	49	G	NA
Uod-7	CS22613	6976	1	50	NA	A
Cvi-0	CS22614	8281	1	51	G	NA
Lz-0	CS22615	8336	1	52	A	NA
Ei-2	CS22616	8289	1	53	G	NA
Gu-0	CS22617	8301	1	54	G	NA
Ler-1	CS22618	8324	1	55	A	NA
Nd-1	CS22619	8344	1	56	G	NA
Wei-0	CS22622	8404	1	59	G	NA
Yo-0	CS22624	8408	1	61	G	NA
Col-0	CS22625	8279	1	62	G	NA
Van-0	CS22627	6977	1	64	G	NA
Van-0	CS6884	7383	1	64	G	A
Van-0	CS22627	8400	1	64	G	NA
Br-0	CS22628	8269	1	65	G	NA
Gy-0	CS22631	8302	1	68	G	NA
Ra-0	CS22632	8364	1	69	G	NA
Bay-0	CS22633	8260	1	70	G	NA
Ga-0	CS22634	8295	1	71	G	NA
Mrk-0	CS22635	8339	1	72	G	NA
Mz-0	CS22636	8342	1	73	G	NA
Ct-1	CS22639	8280	1	76	A	NA
Mr-0	CS22640	8338	1	77	G	NA
Tsu-1	CS22641	8394	1	78	A	NA
Mt-0	CS22642	6939	1	79	G	NA
Mt-0	CS22642	8341	1	79	G	NA

Nok-3	CS22643	8347	1	80	G	NA
Wa-1	CS22644	8403	1	81	A	NA
Fei-0	CS22645	8294	1	82	G	NA
Se-0	CS22646	8379	1	83	A	NA
Ts-1	CS22647	8392	1	84	A	NA
Ts-5	CS22648	8393	1	85	A	NA
Pro-0	CS22649	8360	1	86	G	NA
LL-0	CS22650	8328	1	87	A	NA
Kondara	CS22651	8319	1	88	A	NA
Sorbo	CS22653	8381	1	90	A	NA
Kin-0	CS22654	8316	1	91	G	NA
Ms-0	CS22655	8340	1	92	A	NA
Bur-0	CS22656	8272	1	93	G	NA
Edi-0	CS22657	8288	1	94	G	NA
Oy-0	CS22658	8352	1	95	G	NA

6.43 SNP AtMSQTsnp 97(chrom=1, pos=24893649, alignment id=1428, alignment start=24893448)

Table 887: SNP AtMSQTsnp 97(chromosome=1, position=24893649, alignment id=1428, alignment start=24893448)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	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
C	0	5	0	143	0	0	0	0	0	0	0	0
G	0	24	0	2	61	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	1	0	4	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 888: detailed difference for SNP AtMSQTsnp 97

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	C	NA
Lv-1	CS22574	6043	2	11	G	NA
Fb-4	CS22577	6918	1	14	CG	NA
Fb-4	CS22577	8293	1	14	CG	C
Vr2-1	CS22580	7516	1	17	G	NA
Vr2-6	CS22581	7517	1	18	G	NA
Spr1-6	CS22583	6965	1	20	G	NA
Ull2-5	CS22586	6974	1	23	G	NA
Ull2-3	CS22587	6973	1	24	G	NA
Bor-1	CS22590	5837	1	27	G	C
Lp2-6	CS22595	7521	1	32	G	NA
Sq-1	CS22600	6966	1	37	G	NA
CIBC-5	CS22224	6730	1	39	G	NA
CIBC-5	CS22602	6908	1	39	G	NA
CIBC-17	CS22236	6724	1	40	G	NA
CIBC-17	CS22603	6907	1	40	G	NA
REN-1	CS22253	6866	1	47	G	NA
REN-1	CS22610	6959	1	47	G	NA
Uod-7	CS22613	6976	1	50	C	NA
Cvi-0	CS6675	7065	1	51	C	NA
Gu-0	CS22617	6922	1	54	G	NA
Yo-0	CS6901	7416	1	61	C	NA
Van-0	CS22627	6977	1	64	CG	C
Van-0	CS6884	7383	1	64	CG	C
Van-0	CS22627	8400	1	64	CG	C
Ra-0	CS22632	6958	1	69	C	NA
Mrk-0	CS22635	6937	1	72	G	NA
Mrk-0	CS6796	7247	1	72	G	NA
Mz-0	CS22636	6940	1	73	G	NA
Mz-0	CS6800	7251	1	73	G	NA
Mt-0	CS22642	6939	1	79	G	C
Mt-0	CS6799	7249	1	79	G	NA
LL-0	CS22650	6933	1	87	G	NA
Ll-0	CS6781	7237	1	87	G	NA
Ws-2	CS22659	6981	1	96	G	NA
Ws-2	CS2360	7399	1	96	G	NA

6.44 SNP AtMSQTsnp 100(chrom=1, pos=25717887, alignment id=1758, alignment start=25717715)

Table 889: SNP AtMSQTsnp 100(chromosome=1, position=25717887, alignment id=1758, alignment start=25717715)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	4	0	0	0	0	0	0	0	0	0
A	0	1	75	0	1	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	5	0	0	166	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 890: detailed difference for SNP AtMSQTsnp 100

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	G	NA
Bor-1	CS22590	5837	1	27	A	G
Tamm-2	CS22604	6968	1	41	G	NA
Mt-0	CS22642	6939	1	79	G	NA
Wa-1	CS22644	6978	1	81	G	NA
Pro-0	CS22649	8213	1	86	G	NA
Shahdara	CS22652	8248	1	89	A	NA
Ws-2	CS22659	6981	1	96	NA	A
Ws-2	CS2360	7399	1	96	NA	A
Ws-2	CS2360	7399	2	96	NA	A
Ws-2	CS22659	8406	1	96	NA	A

6.45 SNP AtMSQTsnp 101(chrom=1, pos=26278413, alignment id=330, alignment start=26278221)

Table 891: SNP AtMSQTsnp 101(chromosome=1, position=26278413, alignment id=330, alignment start=26278221)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	2	0	0	0	0	0	0	0	0	0
A	0	3	66	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	3	1	0	174	0	0	0	0	0	0	0
T	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
AG	0	0	3	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 892: detailed difference for SNP AtMSQTsnp 101

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Rmx-A02	CS22568	7524	1	5	NA	A
Rmx-A02	CS22568	8370	1	5	NA	A
Eden-1	CS22572	6009	4	9	G	NA
CIBC-5	CS22224	6730	1	39	G	A
Ren-11	CS22611	8368	1	48	A	NA
Uod-7	CS22613	6976	1	50	G	NA
Yo-0	CS6901	7416	1	61	A	NA
Van-0	CS22627	6977	1	64	AG	A
Van-0	CS6884	7383	1	64	AG	A
Van-0	CS22627	8400	1	64	AG	A
Ra-0	CS22632	6958	1	69	G	NA
Mt-0	CS22642	6939	1	79	A	NA

6.46 SNP AtMSQTsnp 104(chrom=1, pos=26794838, alignment id=665, alignment start=26794732)

Table 893: SNP AtMSQTsnp 104(chromosome=1, position=26794838, alignment id=665, alignment start=26794732)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	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
C	0	3	0	104	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	7	0	0	0	138	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 894: detailed difference for SNP AtMSQTsnp 104

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	T	NA
Lv-1	CS22574	6043	2	11	T	NA
M2-3	CS22585	7519	1	22	T	NA
Uod-7	CS22613	6976	1	50	T	NA
Cvi-0	CS6675	7065	1	51	T	NA
Gu-0	CS22617	6922	1	54	C	NA
Nd-1	CS1636	7266	1	56	C	NA
Yo-0	CS6901	7416	1	61	T	NA
Ra-0	CS22632	6958	1	69	C	NA
Mt-0	CS22642	6939	1	79	T	NA

6.47 SNP AtMSQTsnp 108(chrom=1, pos=28666837, alignment id=343, alignment start=28666569)

Table 895: SNP AtMSQTsnp 108(chromosome=1, position=28666837, alignment id=343, alignment start=28666569)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	6	0	0	0	0	0	0	0	0	0
A	0	8	119	0	1	0	0	1	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	8	0	0	101	0	0	1	0	0	0	0
T	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
AG	0	0	0	0	3	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 896: detailed difference for SNP AtMSQTsnp 108

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	G	NA
Lv-1	CS22574	6043	2	11	G	NA
KZ-1	CS22435	6826	1	43	A	G
Ren-11	CS22611	8368	1	48	G	NA
Uod-7	CS22613	6976	1	50	A	NA
Cvi-0	CS6675	7065	1	51	G	NA
Gu-0	CS22617	6922	1	54	G	NA
Ler-1	CS6928	7211	1	55	A	NA
Nd-1	CS1636	7266	1	56	A	AG
N13	CS22491	7438	1	58	G	NA
Wei-0	CS22622	8404	1	59	A	NA
Yo-0	CS6901	7416	1	61	A	NA
Van-0	CS22627	6977	1	64	AG	G
Van-0	CS6884	7383	1	64	AG	G

Van-0	CS22627	8400	1	64	AG	G
Br-0	CS22628	8269	1	65	A	NA
Ra-0	CS22632	6958	1	69	A	NA
Ra-0	CS6844	7312	1	69	A	NA
Mr-0	CS6795	7429	1	77	G	AG
Mt-0	CS22642	6939	1	79	G	NA
Ts-1	CS22647	6970	1	84	G	NA
Kin-0	CS22654	6926	1	91	NA	A
Kin-0	CS6755	7193	1	91	NA	A
Kin-0	CS22654	8316	1	91	NA	A
Ms-0	CS22655	6938	1	92	NA	A
Ms-0	CS6797	7254	1	92	NA	A
Ms-0	CS22655	8340	1	92	NA	A
Oy-0	CS6824	7288	1	95	A	NA

6.48 SNP AtMSQTsnp 114(chrom=1, pos=30214313, alignment id=1800, alignment start=30213917)

Table 897: SNP AtMSQTsnp 114(chromosome=1, position=30214313, alignment id=1800, alignment start=30213917)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	0	0	0	0	0	0	0	0	0	0
A	0	1	90	0	4	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	7	3	0	143	0	0	0	0	0	0	0
T	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
AG	0	0	3	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 898: detailed difference for SNP AtMSQTsnp 114

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	G	NA
HR-5	CS22205	6800	1	33	AG	A
HR-5	CS22596	6924	1	33	AG	A
HR-5	CS22596	8309	1	33	AG	A
CIBC-5	CS22224	6730	1	39	A	G
CIBC-17	CS22236	6724	1	40	G	A
CIBC-17	CS22603	6907	1	40	G	A
CIBC-17	CS22603	8276	1	40	G	A
Tamm-2	CS22604	6968	1	41	G	NA
Ren-11	CS22611	8368	1	48	G	NA
Ler-1	CS6928	7211	1	55	G	NA
N13	CS22491	7438	1	58	G	NA
Mt-0	CS22642	6939	1	79	A	NA
Wa-1	CS22644	6978	1	81	G	NA
Pro-0	CS22649	8213	1	86	G	NA
Kondara	CS22651	6929	1	88	A	G
Kondara	CS916	7200	1	88	A	G
Kondara	CS22651	8319	1	88	A	G

6.49 SNP AtMSQTsnp 118(chrom=2, pos=322335, alignment id=2465, alignment start=322253)

Table 899: SNP AtMSQTsnp 118(chromosome=2, position=322335, alignment id=2465, alignment start=322253)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	3	13	0	20	0	0	0	0	0	0	0
A	0	2	118	0	0	0	0	1	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	1	0	0	94	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0

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

Table 900: detailed difference for SNP AtMSQTsnp 118

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
RRS-10	CS22565	8372	1	2	NA	G
KNO-18	CS22418	6817	1	4	NA	A
KNO-18	CS22567	6928	1	4	NA	A
Kno-18	CS22567	8318	1	4	NA	A
Rmx-A02	CS22568	7524	1	5	NA	G
Rmx-A02	CS22568	8370	1	5	NA	G
Pna-17	CS22570	7523	1	7	NA	G
Pna-17	CS22570	8359	1	7	NA	G
Eden-1	CS22572	6009	4	9	A	NA
Spr1-6	CS22583	6965	1	20	NA	A
Spr1-6	CS22583	8383	1	20	NA	A
M2-1	CS22584	7518	1	21	NA	G
m2-1	CS22584	8349	1	21	NA	G
Ull2-3	CS22587	6973	1	24	NA	G
Ull2-3	CS22587	8396	1	24	NA	G
KZ-9	CS22441	6836	1	44	NA	A
KZ-9	CS22607	6931	1	44	NA	A
Kz-9	CS22607	8322	1	44	NA	A
REN-11	CS22263	6867	1	48	NA	G
REN-11	CS22611	6960	1	48	NA	G
Ler-1	CS22618	6932	1	55	NA	G
Ler-1	CS22618	6932	2	55	NA	G
Ler-1	CS6928	7211	1	55	NA	G
Ler-1	CS22618	8324	1	55	NA	G
Yo-0	CS6901	7416	1	61	G	NA
Ag-0	CS22630	6897	1	67	A	NA
Ra-0	CS6844	7312	1	69	NA	A
Ra-0	CS22632	8364	1	69	NA	A
Ga-0	CS22634	6919	1	71	NA	G
Ga-0	CS6714	7140	1	71	NA	G
Ga-0	CS22634	8295	1	71	NA	G
Mr-0	CS6795	7429	1	77	A	AG
Mt-0	CS6799	7249	1	79	NA	G
Mt-0	CS22642	8341	1	79	NA	G
Edi-0	CS22657	6914	1	94	NA	A
Edi-0	CS6688	7111	1	94	NA	A
Edi-0	CS22657	8288	1	94	NA	A

6.50 SNP AtMSQTsnp 123(chrom=2, pos=1798445, alignment id=2109, alignment start=1798324)

Table 901: SNP AtMSQTsnp 123(chromosome=2, position=1798445, alignment id=2109, alignment start=1798324)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	8	0	0	0	0	0	0	0
A	0	5	138	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	2	1	0	98	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 902: detailed difference for SNP AtMSQTsnp 123

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	A	NA
Bor-1	CS22590	5837	1	27	G	A
Tamm-2	CS22604	6968	1	41	A	NA
Ren-11	CS22611	8368	1	48	A	NA
Uod-7	CS22613	6976	1	50	NA	G
Uod-7	CS22613	8399	1	50	NA	G

Mt-0	CS22642	6939	1	79	G	NA
Wa-1	CS22644	6978	1	81	A	NA
Pro-0	CS22649	8213	1	86	A	NA
Shahdara	CS22652	8248	1	89	G	NA
Bur-0	CS22656	6905	1	93	NA	G
Bur-0	CS6643	7058	1	93	NA	G
Bur-0	CS22656	8272	1	93	NA	G
Oy-0	CS22658	6946	1	95	NA	G
Oy-0	CS6824	7288	1	95	NA	G
Oy-0	CS22658	8352	1	95	NA	G

6.51 SNP AtMSQTsnp 126(chrom=2, pos=2477756, alignment id=2192, alignment start=2477306)

Table 903: SNP AtMSQTsnp 126(chromosome=2, position=2477756, alignment id=2192, alignment start=2477306)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	6	8	0	24	0	0	1	0	0	0	0
A	0	1	70	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	4	1	0	137	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 904: detailed difference for SNP AtMSQTsnp 126

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	G	NA
Eden-2	CS22573	6913	1	10	NA	G
Eden-2	CS22573	8287	1	10	NA	G
Spr1-2	CS22582	6964	1	19	NA	A
Spr1-2	CS22582	8382	1	19	NA	A
Bor-1	CS22590	5837	1	27	NA	G
Bor-1	CS22590	5837	2	27	NA	G
Bor-1	CS22590	6902	1	27	NA	G
CIBC-5	CS22224	6730	1	39	G	A
Tamm-2	CS22604	6968	1	41	NA	A
Tamm-2	CS22604	8390	1	41	NA	A
KZ-1	CS22606	6930	1	43	NA	G
Kz-1	CS22606	8320	1	43	NA	G
Ren-11	CS22611	8368	1	48	G	NA
Cvi-0	CS22614	6911	1	51	NA	G
Cvi-0	CS6675	7065	1	51	NA	G
Cvi-0	CS22614	8281	1	51	NA	G
C24	CS22620	6906	1	57	NA	G
C24	CS906	7059	1	57	NA	G
C24	CS22620	8273	1	57	NA	G
Wei-0	CS22622	6979	1	59	NA	AG
Wei-0	CS6182	7402	1	59	NA	A
Wei-0	CS22622	8404	1	59	NA	G
Ws-0	CS22623	6980	1	60	G	NA
Br-0	CS6626	7027	1	65	A	NA
Ra-0	CS22632	6958	1	69	G	NA
Mz-0	CS22636	6940	1	73	NA	G
Mz-0	CS6800	7251	1	73	NA	G
Mz-0	CS22636	8342	1	73	NA	G
Wt-5	CS22637	6982	1	74	NA	G
Wt-5	CS6896	7410	1	74	NA	G
Wt-5	CS22637	8407	1	74	NA	G
Kas-2	CS22638	6925	1	75	NA	A
Kas-2	CS6751	7184	1	75	NA	A
Mt-0	CS22642	8341	1	79	NA	G
Se-0	CS22646	6961	1	83	NA	G
Se-0	CS6852	7326	1	83	NA	G
Se-0	CS22646	8379	1	83	NA	G
Shahdara	CS22652	8248	1	89	NA	A

6.52 SNP AtMSQTsnp 128(chrom=2, pos=5021020, alignment id=1514, alignment start=5020871)

Table 905: SNP AtMSQTsnp 128(chromosome=2, position=5021020, alignment id=1514, alignment start=5020871)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	0	0	3	0	0	0	0	0	0	0
A	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
G	0	3	0	0	175	0	0	0	0	0	0	0
T	0	2	0	0	0	68	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 906: detailed difference for SNP AtMSQTsnp 128

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	T	NA
Bor-4	CS22591	6903	1	28	NA	G
Bor-4	CS22591	8268	1	28	NA	G
Uod-7	CS22613	8399	1	50	NA	G
N13	CS22491	7438	1	58	T	NA
Yo-0	CS6901	7416	1	61	G	NA
Ra-0	CS22632	6958	1	69	G	NA
Mt-0	CS22642	6939	1	79	G	NA

6.53 SNP AtMSQTsnp 129(chrom=2, pos=5804076, alignment id=407, alignment start=5803805)

Table 907: SNP AtMSQTsnp 129(chromosome=2, position=5804076, alignment id=407, alignment start=5803805)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	7	8	0	1	0	0	0	0	0	0	0
A	0	29	46	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	56	1	0	87	0	0	0	0	0	0	0
T	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
AG	0	2	1	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 908: detailed difference for SNP AtMSQTsnp 129

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
RRS-10	CS22565	8372	1	2	G	NA
Kno-10	CS22566	8317	1	3	G	NA
Kno-18	CS22567	8318	1	4	G	NA
Rmx-A02	CS22568	8370	1	5	G	NA
Pna-17	CS22570	8359	1	7	G	NA
Pna-10	CS22571	8358	1	8	G	NA
Eden-1	CS22572	6009	4	9	A	NA
Eden-2	CS22573	8287	1	10	A	NA
Lv-1	CS22574	6043	1	11	NA	A
Lv-1	CS22574	6934	1	11	NA	A
Lv-5	CS22575	6046	1	12	NA	A
Lv-5	CS22575	6935	1	12	NA	A
Fb-2	CS22576	6917	1	13	NA	A
Fb-4	CS22577	6918	1	14	NA	A
Bil-5	CS22578	8262	1	15	G	NA
Bil-7	CS22579	8263	1	16	G	NA
Vr2-1	CS22580	8401	1	17	G	NA
Vr2-6	CS22581	8402	1	18	G	NA

Spr1-2	CS22582	8382	1	19	A	NA
Spr1-6	CS22583	8383	1	20	A	NA
m2-1	CS22584	8349	1	21	G	NA
m2-3	CS22585	8350	1	22	A	NA
Ull2-5	CS22586	8397	1	23	G	NA
Ull2-3	CS22587	8396	1	24	A	NA
Zdr-1	CS22588	8409	1	25	G	NA
Zdr-6	CS22589	8410	1	26	G	NA
Bor-1	CS22590	5837	1	27	G	A
Bor-1	CS22590	5837	2	27	G	NA
Bor-4	CS22591	8268	1	28	G	NA
Pu2-7	CS22592	8362	1	29	G	NA
Pu2-23	CS22593	8361	1	30	G	NA
Lp2-2	CS22594	8332	1	31	G	NA
Lp2-6	CS22595	8333	1	32	G	NA
HR-5	CS22596	8309	1	33	A	NA
HR-10	CS22597	8308	1	34	G	NA
NFA-8	CS22598	8346	1	35	G	NA
NFA-10	CS22599	8345	1	36	A	NA
Sq-1	CS22600	8384	1	37	G	NA
Sq-8	CS22601	8385	1	38	G	NA
CIBC-5	CS22602	8277	1	39	G	NA
CIBC-17	CS22603	8276	1	40	G	NA
Tamm-2	CS22604	8390	1	41	G	NA
Tamm-27	CS22605	8391	1	42	G	NA
KZ-1	CS22435	6826	1	43	NA	A
KZ-1	CS22606	6930	1	43	NA	A
Kz-9	CS22607	8322	1	44	A	NA
Got-7	CS22608	8299	1	45	G	NA
Got-22	CS22609	8298	1	46	G	NA
Uod-1	CS22612	8398	1	49	G	NA
Uod-7	CS22613	8399	1	50	G	NA
Cvi-0	CS22614	8281	1	51	G	NA
Ei-2	CS22616	8289	1	53	A	NA
Gu-0	CS22617	8301	1	54	A	NA
Ler-1	CS22618	8324	1	55	G	NA
Nd-1	CS22619	8344	1	56	A	NA
C24	CS22620	8273	1	57	G	NA
N13	CS22491	7438	1	58	G	NA
N13	CS22491	8429	1	58	G	NA
Wei-0	CS22622	8404	1	59	G	NA
Ws-0	CS22623	8405	1	60	A	NA
Yo-0	CS22624	8408	1	61	G	NA
Col-0	CS22625	8279	1	62	A	NA
An-1	CS22626	8253	1	63	G	NA
Van-0	CS22627	6977	1	64	AG	NA
Van-0	CS6884	7383	1	64	AG	A
Van-0	CS22627	8400	1	64	AG	NA
Br-0	CS22628	8269	1	65	G	NA
Est-1	CS22629	8291	1	66	G	NA
Ag-0	CS22630	6897	1	67	NA	G
Gy-0	CS22631	8302	1	68	A	NA
Bay-0	CS57923	7007	1	70	A	NA
Bay-0	CS22633	8260	1	70	A	NA
Ga-0	CS22634	8295	1	71	G	NA
Mrk-0	CS22635	8339	1	72	G	NA
Mz-0	CS22636	8342	1	73	G	NA
Wt-5	CS22637	8407	1	74	G	NA
Ct-1	CS22639	8280	1	76	G	NA
Mr-0	CS22640	8338	1	77	G	NA
Tsu-1	CS22641	8394	1	78	G	NA
Mt-0	CS22642	6939	1	79	A	NA
Mt-0	CS22642	8341	1	79	A	NA
Nok-3	CS22643	8347	1	80	G	NA
Wa-1	CS22644	8403	1	81	G	NA
Fei-0	CS22645	8294	1	82	A	NA
Se-0	CS22646	8379	1	83	A	NA
Ts-1	CS22647	8392	1	84	A	NA
Ts-5	CS22648	8393	1	85	A	NA
Pro-0	CS22649	8360	1	86	A	NA
LL-0	CS22650	8328	1	87	G	NA
Kondara	CS22651	8319	1	88	A	NA
Shahdara	CS22652	8248	1	89	A	NA
Sorbo	CS22653	8381	1	90	G	NA
Kin-0	CS22654	8316	1	91	A	NA
Ms-0	CS22655	8340	1	92	G	NA
Bur-0	CS22656	8272	1	93	A	NA
Edi-0	CS22657	8288	1	94	A	NA
Oy-0	CS22658	8352	1	95	G	NA
Ws-2	CS22659	8406	1	96	G	NA

6.54 SNP AtMSQTsnp 130(chrom=2, pos=6499679, alignment id=2098, alignment start=6499196)

Table 909: SNP AtMSQTsnp 130(chromosome=2, position=6499679, alignment id=2098, alignment start=6499196)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	16	0	38	0	0	0	0	1	0
A	0	0	0	0	0	0	0	0	0	0	0	0
C	0	0	0	62	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	7	0	1	0	127	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 910: detailed difference for SNP AtMSQTsnp 130

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	T	NA
Ull2-5	CS22586	6974	1	23	NA	T
Ull2-5	CS22586	8397	1	23	NA	T
Bor-1	CS22590	5837	1	27	T	C
NFA-8	CS22598	6944	1	35	NA	T
NFA-8	CS22598	8346	1	35	NA	T
Tamm-2	CS22604	6968	1	41	T	NA
Tamm-27	CS22605	6969	1	42	NA	T
Tamm-27	CS22605	8391	1	42	NA	T
REN-1	CS22253	6866	1	47	NA	T
REN-1	CS22610	6959	1	47	NA	T
Ren-1	CS22610	8367	1	47	NA	T
Ren-11	CS22611	8368	1	48	T	NA
Uod-1	CS22612	6975	1	49	NA	C
Uod-1	CS22612	8398	1	49	NA	C
Uod-7	CS22613	6976	1	50	NA	C
Uod-7	CS22613	8399	1	50	NA	C
Cvi-0	CS22614	6911	1	51	NA	T
Cvi-0	CS6675	7065	1	51	NA	T
Cvi-0	CS22614	8281	1	51	NA	T
Gu-0	CS22617	6922	1	54	NA	C
Gu-0	CS6730	7149	1	54	NA	C
Gu-0	CS22617	8301	1	54	NA	C
N13	CS22621	6941	1	58	NA	T
N13	CS22491	7438	1	58	NA	T
N13	CS22491	8429	1	58	NA	T
Wei-0	CS22622	6979	1	59	NA	T
Wei-0	CS6182	7402	1	59	NA	T
Wei-0	CS22622	8404	1	59	NA	T
Ga-0	CS22634	6919	1	71	NA	T
Ga-0	CS6714	7140	1	71	NA	T
Ga-0	CS22634	8295	1	71	NA	T
Mz-0	CS22636	6940	1	73	NA	T
Mz-0	CS6800	7251	1	73	NA	T
Mz-0	CS22636	8342	1	73	NA	T
Wt-5	CS22637	6982	1	74	NA	T
Wt-5	CS6896	7410	1	74	NA	T
Wt-5	CS22637	8407	1	74	NA	T
Kas-2	CS22638	6925	1	75	NA	T
Kas-2	CS6751	7184	1	75	NA	T
Mr-0	CS6795	7429	1	77	NA	CT
Mr-0	CS6795	7429	2	77	NA	C
Mr-0	CS22640	7522	1	77	NA	C
Mr-0	CS22640	8338	1	77	NA	C
Mt-0	CS22642	6939	1	79	T	NA
Wa-1	CS22644	6978	1	81	T	NA
Fei-0	CS22645	8215	1	82	NA	T
Fei-0	CS22645	8294	1	82	NA	T
Se-0	CS22646	6961	1	83	NA	C
Se-0	CS6852	7326	1	83	NA	C
Se-0	CS22646	8379	1	83	NA	C
Pro-0	CS22649	8213	1	86	T	NA
LL-0	CS22650	6933	1	87	NA	C

Ll-0	CS6781	7237	1	87	NA	C
LL-0	CS22650	8328	1	87	NA	C
Shahdara	CS22652	8248	1	89	T	NA
Sorbo	CS22653	6963	1	90	NA	T
Sorbo	CS931	7341	1	90	NA	T
Sorbo	CS22653	8381	1	90	NA	T
Ws-2	CS22659	6981	1	96	NA	T
Ws-2	CS2360	7399	1	96	NA	T
Ws-2	CS2360	7399	2	96	NA	T
Ws-2	CS22659	8406	1	96	NA	T

6.55 SNP AtMSQTsnp 132(chrom=2, pos=7072955, alignment id=367, alignment start=7072571)

Table 911: SNP AtMSQTsnp 132(chromosome=2, position=7072955, alignment id=367, alignment start=7072571)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	0	3	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0
C	0	5	0	117	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	5	0	1	0	121	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 912: detailed difference for SNP AtMSQTsnp 132

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
KNO-10	CS22410	6809	1	3	NA	T
KNO-10	CS22566	6927	1	3	NA	T
Kno-10	CS22566	8317	1	3	NA	T
Eden-1	CS22572	6009	4	9	C	NA
Pu2-7	CS22592	6956	1	29	C	NA
CIBC-5	CS22224	6730	1	39	T	C
Tamm-2	CS22604	6968	1	41	C	NA
KZ-1	CS22435	6826	1	43	T	NA
Ren-11	CS22611	8368	1	48	T	NA
Mr-0	CS6795	7429	1	77	C	NA
Mt-0	CS22642	6939	1	79	T	NA
Wa-1	CS22644	6978	1	81	T	NA
Pro-0	CS22649	8213	1	86	C	NA
Shahdara	CS22652	8248	1	89	T	NA

6.56 SNP AtMSQTsnp 138(chrom=2, pos=8371133, alignment id=373, alignment start=8370574)

Table 913: SNP AtMSQTsnp 138(chromosome=2, position=8371133, alignment id=373, alignment start=8370574)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	0	2	0	0	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0
C	0	25	0	64	0	6	0	0	0	0	15	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	3	0	0	0	136	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 914: detailed difference for SNP AtMSQTsnp 138

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
KNO-10	CS22410	6809	1	3	C	CT
KNO-10	CS22566	6927	1	3	C	NA
Rmx-A02	CS22568	7524	1	5	C	NA
Eden-1	CS22572	6009	3	9	C	NA
Eden-1	CS22572	6009	4	9	C	NA
Eden-1	CS22572	6912	1	9	C	NA
Lv-1	CS22574	6934	1	11	C	NA
Lv-5	CS22575	6046	1	12	C	NA
Lv-5	CS22575	6935	1	12	C	NA
Fb-2	CS22576	6917	1	13	C	CT
Fb-4	CS22577	6918	1	14	NA	C
Fb-4	CS22577	8293	1	14	NA	C
Vr2-1	CS22580	7516	1	17	C	CT
HR-5	CS22596	6924	1	33	C	NA
HR-10	CS22597	6923	1	34	C	CT
NFA-8	CS22598	6944	1	35	C	NA
Sq-1	CS22600	6966	1	37	C	NA
CIBC-5	CS22224	6730	1	39	C	T
CIBC-5	CS22602	8277	1	39	C	CT
Tamm-2	CS22604	6968	1	41	T	NA
GOT-22	CS22298	6775	1	46	C	NA
GOT-22	CS22609	6920	1	46	C	NA
Got-22	CS22609	8298	1	46	C	NA
Ren-11	CS22611	8368	1	48	C	NA
Ei-2	CS22616	6915	1	53	C	T
Ei-2	CS6689	7112	1	53	C	CT
Gu-0	CS22617	6922	1	54	C	NA
Gu-0	CS6730	7149	1	54	C	CT
Nd-1	CS22619	6942	1	56	C	T
Nd-1	CS1636	7266	1	56	C	CT
Nd-1	CS6922	7267	1	56	C	CT
C24	CS22620	6906	1	57	C	NA
C24	CS906	7059	1	57	C	CT
C24	CS22620	8273	1	57	C	CT
Wei-0	CS22622	8404	1	59	C	NA
Yo-0	CS22624	8408	1	61	C	CT
Br-0	CS6626	7027	1	65	C	T
Est-1	CS22629	6916	1	66	C	NA
Est-1	CS6701	7129	1	66	C	NA
Mrk-0	CS22635	6937	1	72	C	CT
Tsu-1	CS22641	8394	1	78	C	T
Mt-0	CS22642	6939	1	79	C	NA
Mt-0	CS6799	7249	1	79	C	T
Mt-0	CS22642	8341	1	79	C	CT
Nok-3	CS6810	7272	1	80	C	NA
Wa-1	CS22644	6978	1	81	T	NA
Ts-5	CS6871	7369	1	85	C	NA
Pro-0	CS22649	8213	1	86	C	NA
Shahdara	CS22652	8248	1	89	T	NA
Kin-0	CS22654	6926	1	91	C	NA
Kin-0	CS22654	8316	1	91	C	CT

6.57 SNP AtMSQTsnp 140(chrom=2, pos=8750047, alignment id=1072, alignment start=8749828)

Table 915: SNP AtMSQTsnp 140(chromosome=2, position=8750047, alignment id=1072, alignment start=8749828)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	3	0	0	0	0	0	0	0	0	0
NA	0	0	7	5	0	0	0	0	0	0	0	0
A	0	2	139	1	0	0	0	0	0	0	0	0
C	0	4	1	87	0	0	0	0	0	0	0	0
G	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
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 916: detailed difference for SNP AtMSQTsnp 140

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
RRS-10	CS22565	8372	1	2	C	A
Rmx-A180	CS22569	7525	1	6	NA	C
Rmx-A180	CS22569	8371	1	6	NA	C
Eden-1	CS22572	6009	4	9	A	NA
Zdr-6	CS22589	6985	1	26	NA	A
Zdr-6	CS22589	8410	1	26	NA	A
HR-5	CS22205	6800	1	33	NA	C
HR-5	CS22596	6924	1	33	NA	C
HR-5	CS22596	8309	1	33	NA	C
CIBC-5	CS22224	6730	1	39	A	C
Ren-11	CS22611	8368	1	48	C	NA
Cvi-0	CS22614	6911	1	51	-	A
Cvi-0	CS6675	7065	1	51	-	A
Cvi-0	CS22614	8281	1	51	-	A
Ag-0	CS22630	6897	1	67	A	NA
Ra-0	CS22632	6958	1	69	C	NA
Mt-0	CS22642	6939	1	79	C	NA
Mt-0	CS6799	7249	1	79	C	NA
Fei-0	CS22645	8215	1	82	NA	A
Fei-0	CS22645	8294	1	82	NA	A
Sorbo	CS22653	6963	1	90	NA	A
Sorbo	CS931	7341	1	90	NA	A
Sorbo	CS22653	8381	1	90	NA	A

6.58 SNP AtMSQTsnp 142(chrom=2, pos=9256095, alignment id=223, alignment start=9256049)

Table 917: SNP AtMSQTsnp 142(chromosome=2, position=9256095, alignment id=223, alignment start=9256049)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	2	0	37	0	25	0	0	0	0	1	0
A	0	0	0	0	0	0	0	0	0	0	0	0
C	0	1	0	99	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	2	0	0	0	85	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 918: detailed difference for SNP AtMSQTsnp 142

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
RRS-10	CS22565	8372	1	2	NA	T
Eden-1	CS22572	6009	1	9	NA	T
Eden-1	CS22572	6009	2	9	NA	T
Eden-1	CS22572	6009	3	9	NA	T
Eden-1	CS22572	6912	1	9	NA	T
Zdr-6	CS22589	6985	1	26	NA	C
Zdr-6	CS22589	8410	1	26	NA	C
Bor-1	CS22590	5837	1	27	NA	C
Bor-1	CS22590	5837	2	27	NA	T
Bor-1	CS22590	6902	1	27	NA	T
KZ-1	CS22435	6826	1	43	NA	C
KZ-1	CS22606	6930	1	43	NA	C
Kz-1	CS22606	8320	1	43	NA	C
KZ-9	CS22441	6836	1	44	NA	T
KZ-9	CS22607	6931	1	44	NA	T
Kz-9	CS22607	8322	1	44	NA	T
Ren-11	CS22611	8368	1	48	T	NA
Cvi-0	CS22614	6911	1	51	NA	C
Cvi-0	CS6675	7065	1	51	NA	C
Cvi-0	CS22614	8281	1	51	NA	C
Lz-0	CS22615	6936	1	52	NA	C
Lz-0	CS6788	7219	1	52	NA	C
Lz-0	CS22615	8336	1	52	NA	C
Ws-0	CS22623	6980	1	60	NA	T
Ws-0	CS6891	7396	1	60	NA	T
Ws-0	CS22623	8405	1	60	NA	T

Yo-0	CS22624	6983	1	61	NA	C
Yo-0	CS6901	7416	1	61	NA	C
Yo-0	CS22624	8408	1	61	NA	C
Van-0	CS22627	6977	1	64	NA	T
Van-0	CS6884	7383	1	64	NA	T
Van-0	CS22627	8400	1	64	NA	T
Est-1	CS22629	6916	1	66	NA	C
Est-1	CS6701	7129	1	66	NA	C
Est-1	CS22629	8291	1	66	NA	C
Ra-0	CS6844	7312	1	69	NA	C
Ra-0	CS22632	8364	1	69	NA	C
Wt-5	CS22637	6982	1	74	NA	T
Wt-5	CS6896	7410	1	74	NA	T
Wt-5	CS22637	8407	1	74	NA	T
Ct-1	CS22639	6910	1	76	NA	C
Ct-1	CS6674	7067	1	76	NA	C
Ct-1	CS22639	8280	1	76	NA	C
Mr-0	CS6795	7429	1	77	NA	CT
Mr-0	CS6795	7429	2	77	NA	T
Mr-0	CS22640	7522	1	77	NA	T
Mr-0	CS22640	8338	1	77	NA	T
Mt-0	CS22642	6939	1	79	C	NA
Fei-0	CS22645	8215	1	82	NA	C
Fei-0	CS22645	8294	1	82	NA	C
Se-0	CS6852	7326	1	83	T	NA
Ts-5	CS22648	6971	1	85	NA	T
Ts-5	CS6871	7369	1	85	NA	T
Ts-5	CS22648	8393	1	85	NA	T
Pro-0	CS22649	8213	1	86	NA	C
Pro-0	CS22649	8360	1	86	NA	C
Sorbo	CS22653	6963	1	90	NA	C
Sorbo	CS931	7341	1	90	NA	C
Sorbo	CS22653	8381	1	90	NA	C
Kin-0	CS22654	6926	1	91	NA	C
Kin-0	CS6755	7193	1	91	NA	C
Kin-0	CS22654	8316	1	91	NA	C
Ws-2	CS22659	6981	1	96	NA	C
Ws-2	CS2360	7399	1	96	NA	C
Ws-2	CS2360	7399	2	96	NA	C
Ws-2	CS22659	8406	1	96	NA	C

6.59 SNP AtMSQTsnp 143(chrom=2, pos=9428987, alignment id=376, alignment start=9428891)

Table 919: SNP AtMSQTsnp 143(chromosome=2, position=9428987, alignment id=376, alignment start=9428891)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	8	0	0	0	0	0	0	0	0	0
A	0	6	143	0	0	0	0	0	0	0	0	0
C	0	2	1	91	0	0	0	0	0	0	0	0
G	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
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 920: detailed difference for SNP AtMSQTsnp 143

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	1	9	NA	A
Eden-1	CS22572	6009	2	9	NA	A
Eden-1	CS22572	6009	3	9	NA	A
Eden-1	CS22572	6912	1	9	NA	A
Lv-1	CS22574	6043	2	11	A	NA
Ull2-5	CS22586	6974	1	23	NA	A
Ull2-5	CS22586	8397	1	23	NA	A
Sq-8	CS22601	6967	1	38	NA	A
Sq-8	CS22601	8385	1	38	NA	A
CIBC-5	CS22224	6730	1	39	C	A
Ren-11	CS22611	8368	1	48	A	NA
Uod-7	CS22613	6976	1	50	A	NA

Cvi-0	CS6675	7065	1	51	A	NA
Gu-0	CS22617	6922	1	54	C	NA
Yo-0	CS6901	7416	1	61	A	NA
Ra-0	CS22632	6958	1	69	A	NA
Mt-0	CS22642	6939	1	79	C	NA

6.60 SNP AtMSQTsnp 145(chrom=2, pos=10566917, alignment id=381, alignment start=10566416)

Table 921: SNP AtMSQTsnp 145(chromosome=2, position=10566917, alignment id=381, alignment start=10566416)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	0	24	0	11	0	0	0	0	1	0
A	0	0	0	0	0	0	0	0	0	0	0	0
C	0	4	0	94	0	1	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	3	0	1	0	112	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 922: detailed difference for SNP AtMSQTsnp 145

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	T	NA
Vr2-1	CS22580	8401	1	17	C	NA
Bor-1	CS22590	5837	1	27	T	C
CIBC-5	CS22224	6730	1	39	C	T
Ren-11	CS22611	8368	1	48	C	NA
Lz-0	CS22615	6936	1	52	NA	C
Lz-0	CS6788	7219	1	52	NA	C
Lz-0	CS22615	8336	1	52	NA	C
Ei-2	CS22616	6915	1	53	NA	C
Ei-2	CS6689	7112	1	53	NA	C
Ei-2	CS22616	8289	1	53	NA	C
N13	CS22491	7438	1	58	T	NA
Ws-0	CS22623	6980	1	60	NA	C
Ws-0	CS6891	7396	1	60	NA	C
Ws-0	CS22623	8405	1	60	NA	C
Yo-0	CS22624	6983	1	61	NA	T
Yo-0	CS6901	7416	1	61	NA	T
Yo-0	CS22624	8408	1	61	NA	T
Van-0	CS22627	6977	1	64	C	NA
Br-0	CS22628	8269	1	65	T	NA
Ag-0	CS22630	6897	1	67	NA	C
Ag-0	CS6601	6999	1	67	NA	C
Ag-0	CS22630	8251	1	67	NA	C
Ra-0	CS22632	6958	1	69	NA	C
Ra-0	CS6844	7312	1	69	NA	C
Ra-0	CS22632	8364	1	69	NA	C
Ct-1	CS22639	6910	1	76	NA	C
Ct-1	CS6674	7067	1	76	NA	C
Ct-1	CS22639	8280	1	76	NA	C
Mr-0	CS6795	7429	1	77	NA	CT
Mr-0	CS6795	7429	2	77	NA	T
Mr-0	CS22640	7522	1	77	NA	T
Mr-0	CS22640	8338	1	77	NA	T
Mt-0	CS22642	6939	1	79	C	NA
Wa-1	CS22644	6978	1	81	NA	T
Wa-1	CS6885	7394	1	81	NA	T
Ts-1	CS22647	6970	1	84	NA	T
Ts-1	CS6868	7366	1	84	NA	T
Ts-1	CS22647	8392	1	84	NA	T
Ts-5	CS22648	6971	1	85	NA	C
Ts-5	CS6871	7369	1	85	NA	C
Ts-5	CS22648	8393	1	85	NA	C
Kin-0	CS22654	6926	1	91	NA	C
Kin-0	CS6755	7193	1	91	NA	C
Kin-0	CS22654	8316	1	91	NA	C

6.61 SNP AtMSQTsnp 146(chrom=2, pos=10703371, alignment id=380, alignment start=10702850)

Table 923: SNP AtMSQTsnp 146(chromosome=2, position=10703371, alignment id=380, alignment start=10702850)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	4	2	0	3	0	0	0	0	0	0	0
A	0	73	79	0	0	0	0	0	0	0	0	0
C	0	24	0	0	1	0	0	0	0	0	0	0
G	0	24	0	0	39	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 924: detailed difference for SNP AtMSQTsnp 146

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
KNO-18	CS22567	6928	1	4	A	NA
Rmx-A02	CS22568	7524	1	5	G	NA
Rmx-A180	CS22569	7525	1	6	G	NA
Pna-10	CS22571	7526	1	8	G	NA
Eden-1	CS22572	6009	1	9	A	NA
Eden-1	CS22572	6009	2	9	A	NA
Eden-1	CS22572	6009	3	9	A	NA
Eden-1	CS22572	6009	4	9	A	NA
Eden-2	CS22573	8287	1	10	A	NA
Lv-1	CS22574	6043	2	11	A	NA
Lv-1	CS22574	6934	1	11	A	NA
Lv-5	CS22575	6935	1	12	A	NA
Fb-2	CS22576	6917	1	13	A	NA
Vr2-6	CS22581	8402	1	18	A	NA
M2-1	CS22584	7518	1	21	A	NA
m2-1	CS22584	8349	1	21	A	NA
Ull2-3	CS22587	6973	1	24	A	NA
Zdr-6	CS22589	8410	1	26	A	NA
Bor-4	CS22591	6903	1	28	A	NA
Pu2-23	CS22593	6951	1	30	C	NA
Pu2-23	CS22453	6952	1	30	C	NA
Pu2-23	CS22593	8361	1	30	C	NA
HR-5	CS22205	6800	1	33	C	NA
HR-5	CS22596	6924	1	33	C	NA
HR-5	CS22596	8309	1	33	C	NA
HR-10	CS22597	6923	1	34	G	NA
HR-10	CS22597	8308	1	34	G	NA
NFA-10	CS22599	6943	1	36	G	NA
NFA-10	CS22599	8345	1	36	G	NA
Sq-1	CS22600	8384	1	37	G	NA
CIBC-5	CS22224	6730	1	39	C	G
CIBC-5	CS22602	6908	1	39	C	NA
CIBC-5	CS22602	8277	1	39	C	NA
CIBC-17	CS22236	6724	1	40	G	NA
CIBC-17	CS22603	6907	1	40	G	NA
Tamm-2	CS22604	6968	1	41	A	NA
Tamm-27	CS22605	6969	1	42	A	NA
Tamm-27	CS22605	8391	1	42	A	NA
Got-7	CS22608	8299	1	45	A	NA
GOT-22	CS22298	6775	1	46	A	NA
GOT-22	CS22609	6920	1	46	A	NA
Got-22	CS22609	8298	1	46	A	NA
REN-1	CS22253	6866	1	47	C	NA
REN-1	CS22610	6959	1	47	C	NA
Ren-1	CS22610	8367	1	47	C	NA
REN-11	CS22263	6867	1	48	C	NA
REN-11	CS22611	6960	1	48	C	NA
Ren-11	CS22611	8368	1	48	C	NA
Uod-7	CS22613	6976	1	50	A	NA
Cvi-0	CS6675	7065	1	51	A	NA
Cvi-0	CS22614	8281	1	51	A	NA
Lz-0	CS22615	6936	1	52	A	NA
Lz-0	CS6788	7219	1	52	A	NA
Ei-2	CS22616	6915	1	53	G	NA
Ei-2	CS6689	7112	1	53	G	NA
Gu-0	CS22617	6922	1	54	A	NA

Gu-0	CS6730	7149	1	54	A	NA
Ler-1	CS22618	6932	1	55	A	NA
Ler-1	CS22618	6932	2	55	A	NA
Ler-1	CS6928	7211	1	55	A	NA
Ler-1	CS22618	8324	1	55	A	NA
Nd-1	CS1636	7266	1	56	G	NA
C24	CS906	7059	1	57	A	NA
N13	CS22491	7438	1	58	A	NA
N13	CS22491	8429	1	58	A	NA
Wei-0	CS22622	8404	1	59	A	NA
Ws-0	CS22623	6980	1	60	A	NA
Ws-0	CS6891	7396	1	60	A	NA
Ws-0	CS22623	8405	1	60	A	NA
Yo-0	CS6901	7416	1	61	G	NA
Yo-0	CS22624	8408	1	61	G	NA
Col-0	CS22625	6909	1	62	A	NA
Col-0	CS6673	7082	1	62	A	NA
Col-0	CS22625	8279	1	62	A	NA
An-1	CS22626	6898	1	63	C	NA
An-1	CS6603	6995	1	63	C	NA
An-1	CS22626	8253	1	63	C	NA
Van-0	CS22627	6977	1	64	NA	G
Van-0	CS6884	7383	1	64	NA	G
Van-0	CS22627	8400	1	64	NA	G
Br-0	CS6626	7027	1	65	A	NA
Br-0	CS22628	8269	1	65	A	NA
Est-1	CS6701	7129	1	66	A	NA
Est-1	CS22629	8291	1	66	A	NA
Ag-0	CS22630	8251	1	67	G	NA
Gy-0	CS6732	7421	1	68	C	NA
Gy-0	CS22631	8214	1	68	C	NA
Gy-0	CS22631	8302	1	68	C	NA
Ra-0	CS22632	6958	1	69	A	NA
Ra-0	CS6844	7312	1	69	A	NA
Ra-0	CS22632	8364	1	69	A	NA
Bay-0	CS22633	8260	1	70	A	NA
Ga-0	CS6714	7140	1	71	A	NA
Ga-0	CS22634	8295	1	71	A	NA
Mrk-0	CS6796	7247	1	72	A	NA
Mrk-0	CS22635	8339	1	72	A	NA
Mz-0	CS6800	7251	1	73	A	NA
Wt-5	CS22637	8407	1	74	A	NA
Kas-2	CS22638	6925	1	75	C	NA
Kas-2	CS6751	7184	1	75	C	NA
Ct-1	CS22639	8280	1	76	A	NA
Mr-0	CS22640	8338	1	77	A	NA
Tsu-1	CS22641	6972	1	78	A	NA
Tsu-1	CS6926	7374	1	78	A	NA
Tsu-1	CS22641	8394	1	78	A	NA
Mt-0	CS22642	6939	1	79	A	NA
Mt-0	CS6799	7249	1	79	A	NA
Mt-0	CS22642	8341	1	79	A	NA
Wa-1	CS22644	8403	1	81	G	NA
Fei-0	CS22645	8215	1	82	C	NA
Fei-0	CS22645	8294	1	82	C	NA
Se-0	CS22646	6961	1	83	G	NA
Se-0	CS6852	7326	1	83	G	NA
Se-0	CS22646	8379	1	83	G	NA
Ts-1	CS22647	6970	1	84	G	NA
Ts-1	CS22647	8392	1	84	G	NA
Ts-5	CS22648	8393	1	85	A	NA
Pro-0	CS22649	8360	1	86	G	NA
LL-0	CS22650	8328	1	87	A	NA
Kin-0	CS22654	6926	1	91	NA	A
Kin-0	CS6755	7193	1	91	NA	A
Bur-0	CS22656	6905	1	93	A	NA
Bur-0	CS22656	8272	1	93	A	NA
Edi-0	CS22657	8288	1	94	G	NA
Oy-0	CS22658	6946	1	95	A	NA
Oy-0	CS6824	7288	1	95	A	NA
Oy-0	CS22658	8352	1	95	A	NA

6.62 SNP AtMSQTsnp 155(chrom=2, pos=12657149, alignment id=38, alignment start=12656716)

Table 925: SNP AtMSQTsnp 155(chromosome=2, position=12657149, alignment id=38, alignment start=12656716)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	3	4	0	1	0	0	0	0	0	0	0
A	0	47	69	0	0	0	0	1	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	47	0	0	76	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 926: detailed difference for SNP AtMSQTsnp 155

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
RRS-10	CS22565	8372	1	2	G	NA
Kno-10	CS22566	8317	1	3	G	NA
Kno-18	CS22567	8318	1	4	G	NA
Rmx-A02	CS22568	8370	1	5	G	NA
Pna-10	CS22571	8358	1	8	G	NA
Eden-1	CS22572	6009	1	9	NA	A
Eden-1	CS22572	6009	2	9	NA	A
Eden-1	CS22572	6009	3	9	NA	A
Eden-1	CS22572	6912	1	9	NA	A
Eden-2	CS22573	8287	1	10	A	NA
Lv-1	CS22574	6043	2	11	A	NA
Lv-5	CS22575	6046	2	12	A	NA
Fb-2	CS22576	8292	1	13	G	NA
Fb-4	CS22577	8293	1	14	G	NA
Bil-5	CS22578	8262	1	15	A	NA
Bil-7	CS22579	8263	1	16	A	NA
Vr2-1	CS22580	8401	1	17	G	NA
Vr2-6	CS22581	8402	1	18	A	NA
Spr1-2	CS22582	8382	1	19	G	NA
Spr1-6	CS22583	8383	1	20	G	NA
m2-1	CS22584	8349	1	21	G	NA
m2-3	CS22585	8350	1	22	A	NA
Ull2-5	CS22586	8397	1	23	A	NA
Ull2-3	CS22587	8396	1	24	G	NA
Zdr-1	CS22588	8409	1	25	A	NA
Zdr-6	CS22589	8410	1	26	A	NA
Bor-1	CS22590	5837	2	27	G	NA
Bor-4	CS22591	8268	1	28	A	NA
Pu2-7	CS22592	8362	1	29	G	NA
Pu2-23	CS22593	8361	1	30	A	NA
Lp2-2	CS22594	8332	1	31	A	NA
Lp2-6	CS22595	8333	1	32	G	NA
HR-5	CS22596	8309	1	33	G	NA
HR-10	CS22597	8308	1	34	G	NA
NFA-8	CS22598	8346	1	35	G	NA
NFA-10	CS22599	8345	1	36	A	NA
Sq-1	CS22600	8384	1	37	A	NA
Sq-8	CS22601	8385	1	38	G	NA
CIBC-5	CS22224	6730	1	39	A	NA
CIBC-5	CS22602	8277	1	39	A	NA
CIBC-17	CS22603	8276	1	40	A	NA
Tamm-2	CS22604	8390	1	41	A	NA
Tamm-27	CS22605	8391	1	42	A	NA
Kz-1	CS22606	8320	1	43	A	NA
Kz-9	CS22607	8322	1	44	A	NA
Got-7	CS22608	8299	1	45	G	NA
Got-22	CS22609	8298	1	46	G	NA
Ren-1	CS22610	8367	1	47	G	NA
Ren-11	CS22611	8368	1	48	G	NA
Uod-1	CS22612	8398	1	49	G	NA
Uod-7	CS22613	8399	1	50	G	NA
Cvi-0	CS22614	8281	1	51	A	NA
Lz-0	CS22615	8336	1	52	A	NA
Ei-2	CS22616	8289	1	53	G	NA
Gu-0	CS22617	8301	1	54	G	NA
Ler-1	CS22618	8324	1	55	A	NA
Nd-1	CS22619	8344	1	56	G	NA
C24	CS22620	8273	1	57	G	NA
N13	CS22491	7438	1	58	A	NA
N13	CS22491	8429	1	58	A	NA
Wei-0	CS22622	8404	1	59	G	NA
Ws-0	CS22623	8405	1	60	G	NA

Yo-0	CS22624	8408	1	61	A	NA
Col-0	CS22625	8279	1	62	G	NA
An-1	CS22626	8253	1	63	A	NA
Van-0	CS6884	7383	1	64	NA	G
Br-0	CS22628	8269	1	65	A	NA
Est-1	CS22629	8291	1	66	G	NA
Ag-0	CS22630	8251	1	67	A	NA
Gy-0	CS22631	8302	1	68	A	NA
Ra-0	CS22632	8364	1	69	G	NA
Bay-0	CS22633	8260	1	70	A	NA
Ga-0	CS22634	8295	1	71	G	NA
Mrk-0	CS22635	8339	1	72	A	NA
Mz-0	CS22636	8342	1	73	G	NA
Wt-5	CS22637	8407	1	74	A	NA
Ct-1	CS22639	8280	1	76	A	NA
Mr-0	CS6795	7429	1	77	A	AG
Mr-0	CS22640	8338	1	77	A	NA
Tsu-1	CS22641	8394	1	78	G	NA
Mt-0	CS22642	6939	1	79	A	NA
Mt-0	CS6799	7249	1	79	A	NA
Mt-0	CS22642	8341	1	79	A	NA
Nok-3	CS22643	8347	1	80	G	NA
Wa-1	CS22644	8403	1	81	G	NA
Fei-0	CS22645	8294	1	82	A	NA
Se-0	CS22646	8379	1	83	G	NA
Ts-1	CS22647	8392	1	84	G	NA
Ts-5	CS22648	8393	1	85	A	NA
Pro-0	CS22649	8360	1	86	G	NA
LL-0	CS22650	8328	1	87	G	NA
Kondara	CS22651	8319	1	88	A	NA
Shahdara	CS22652	8248	1	89	A	NA
Sorbo	CS22653	8381	1	90	A	NA
Kin-0	CS22654	8316	1	91	G	NA
Ms-0	CS22655	8340	1	92	A	NA
Bur-0	CS22656	8272	1	93	G	NA
Edi-0	CS22657	8288	1	94	G	NA
Oy-0	CS22658	8352	1	95	A	NA
Ws-2	CS22659	8406	1	96	G	NA

6.63 SNP AtMSQTsnp 156(chrom=2, pos=12658862, alignment id=2572, alignment start=12658576)

Table 927: SNP AtMSQTsnp 156(chromosome=2, position=12658862, alignment id=2572, alignment start=12658576)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	1	0	0	0	1	0	0	0	0	0	0
NA	0	7	0	9	0	1	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0
C	0	36	0	61	0	0	0	0	0	0	1	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	54	0	2	0	79	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 928: detailed difference for SNP AtMSQTsnp 156

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
RRS-10	CS22565	8372	1	2	T	NA
Kno-10	CS22566	8317	1	3	T	NA
Kno-18	CS22567	8318	1	4	T	NA
Rmx-A02	CS22568	8370	1	5	T	NA
Rmx-A180	CS22569	7525	1	6	NA	T
Pna-17	CS22570	8359	1	7	T	NA
Pna-10	CS22571	8358	1	8	T	NA
Eden-1	CS22572	6009	1	9	NA	C
Eden-1	CS22572	6009	2	9	NA	C
Eden-1	CS22572	6009	3	9	NA	C
Eden-1	CS22572	6912	1	9	NA	C
Eden-2	CS22573	6913	1	10	NA	C
Lv-1	CS22574	6043	2	11	C	NA
Lv-5	CS22575	6046	2	12	C	NA

Fb-2	CS22576	8292	1	13	T	NA
Fb-4	CS22577	8293	1	14	T	NA
Bil-5	CS22578	8262	1	15	C	NA
Bil-7	CS22579	8263	1	16	C	NA
Vr2-1	CS22580	8401	1	17	T	NA
Vr2-6	CS22581	8402	1	18	C	NA
Spr1-2	CS22582	8382	1	19	T	NA
Spr1-6	CS22583	6965	1	20	-	T
Spr1-6	CS22583	8383	1	20	-	NA
m2-1	CS22584	8349	1	21	T	NA
m2-3	CS22585	8350	1	22	C	NA
Ull2-5	CS22586	8397	1	23	C	NA
Ull2-3	CS22587	8396	1	24	T	NA
Zdr-1	CS22588	8409	1	25	C	NA
Zdr-6	CS22589	8410	1	26	C	NA
Bor-1	CS22590	5837	2	27	T	NA
Bor-4	CS22591	8268	1	28	C	NA
Pu2-7	CS22592	8362	1	29	T	NA
Pu2-23	CS22593	8361	1	30	C	NA
Lp2-2	CS22594	8332	1	31	C	NA
Lp2-6	CS22595	8333	1	32	T	NA
HR-5	CS22596	8309	1	33	T	NA
HR-10	CS22597	8308	1	34	T	NA
NFA-8	CS22598	8346	1	35	T	NA
NFA-10	CS22599	8345	1	36	C	NA
Sq-1	CS22600	8384	1	37	C	NA
Sq-8	CS22601	8385	1	38	T	NA
CIBC-5	CS22602	8277	1	39	C	NA
CIBC-17	CS22603	8276	1	40	C	NA
Tamm-2	CS22604	8390	1	41	C	NA
Tamm-27	CS22605	8391	1	42	C	NA
Kz-1	CS22606	8320	1	43	C	NA
Kz-9	CS22607	8322	1	44	C	NA
Got-7	CS22608	8299	1	45	T	NA
Got-22	CS22609	8298	1	46	T	NA
Ren-1	CS22610	8367	1	47	T	NA
Ren-11	CS22611	8368	1	48	T	NA
Uod-1	CS22612	8398	1	49	T	NA
Uod-7	CS22613	8399	1	50	T	NA
Cvi-0	CS22614	8281	1	51	T	NA
Lz-0	CS22615	8336	1	52	C	NA
Ei-2	CS22616	8289	1	53	T	NA
Gu-0	CS22617	8301	1	54	T	NA
Ler-1	CS22618	8324	1	55	C	NA
Nd-1	CS22619	8344	1	56	T	NA
C24	CS22620	8273	1	57	T	NA
N13	CS22491	7438	1	58	T	NA
N13	CS22491	8429	1	58	T	NA
Wei-0	CS22622	8404	1	59	T	NA
Ws-0	CS22623	8405	1	60	T	NA
Yo-0	CS22624	6983	1	61	NA	C
Yo-0	CS6901	7416	1	61	NA	C
Col-0	CS22625	8279	1	62	T	NA
An-1	CS22626	8253	1	63	C	NA
Van-0	CS22627	6977	1	64	T	NA
Van-0	CS22627	8400	1	64	T	NA
Br-0	CS22628	8269	1	65	C	NA
Est-1	CS22629	8291	1	66	T	NA
Ag-0	CS22630	8251	1	67	C	NA
Gy-0	CS22631	8302	1	68	C	NA
Ra-0	CS22632	8364	1	69	T	NA
Bay-0	CS22633	8260	1	70	C	NA
Ga-0	CS22634	8295	1	71	T	NA
Mrk-0	CS22635	8339	1	72	C	NA
Mz-0	CS22636	8342	1	73	T	NA
Wt-5	CS22637	8407	1	74	C	NA
Ct-1	CS22639	6910	1	76	T	C
Ct-1	CS6674	7067	1	76	T	C
Ct-1	CS22639	8280	1	76	T	NA
Mr-0	CS6795	7429	1	77	C	CT
Mr-0	CS22640	8338	1	77	C	NA
Tsu-1	CS22641	8394	1	78	T	NA
Mt-0	CS6799	7249	1	79	NA	C
Nok-3	CS22643	8347	1	80	T	NA
Wa-1	CS22644	8403	1	81	T	NA
Fei-0	CS22645	8215	1	82	NA	C
Se-0	CS22646	8379	1	83	T	NA
Ts-1	CS22647	8392	1	84	T	NA
Ts-5	CS22648	8393	1	85	C	NA
Pro-0	CS22649	8360	1	86	T	NA
LL-0	CS22650	8328	1	87	T	NA

Kondara	CS22651	8319	1	88	C	NA
Shahdara	CS22652	8248	1	89	C	NA
Sorbo	CS22653	8381	1	90	C	NA
Kin-0	CS22654	8316	1	91	T	NA
Ms-0	CS22655	8340	1	92	C	NA
Bur-0	CS22656	6905	1	93	T	NA
Bur-0	CS22656	8272	1	93	T	NA
Edi-0	CS22657	8288	1	94	T	NA
Oy-0	CS22658	8352	1	95	C	NA
Ws-2	CS22659	8406	1	96	T	NA

6.64 SNP AtMSQTsnp 159(chrom=2, pos=13265124, alignment id=2127, alignment start=13265029)

Table 929: SNP AtMSQTsnp 159(chromosome=2, position=13265124, alignment id=2127, alignment start=13265029)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	0	3	0	0	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0
C	0	2	0	111	0	6	0	0	0	0	1	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	5	0	8	0	115	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 930: detailed difference for SNP AtMSQTsnp 159

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	T	NA
Bor-1	CS22590	5837	1	27	T	C
Pu2-7	CS22592	6956	1	29	C	NA
NFA-10	CS22599	6943	1	36	C	T
NFA-10	CS22599	8345	1	36	C	T
CIBC-5	CS22224	6730	1	39	C	T
CIBC-17	CS22236	6724	1	40	C	T
CIBC-17	CS22603	6907	1	40	C	T
CIBC-17	CS22603	8276	1	40	C	T
Tamm-2	CS22604	6968	1	41	T	NA
Ren-11	CS22611	8368	1	48	T	NA
Lz-0	CS22615	6936	1	52	T	C
Lz-0	CS6788	7219	1	52	T	C
Lz-0	CS22615	8336	1	52	T	C
Ler-1	CS22618	6932	1	55	T	C
Ler-1	CS22618	6932	2	55	T	C
Ler-1	CS6928	7211	1	55	T	C
Ler-1	CS22618	8324	1	55	T	C
Mr-0	CS6795	7429	1	77	C	CT
Mt-0	CS22642	6939	1	79	C	NA
Wa-1	CS22644	6978	1	81	T	NA
Pro-0	CS22649	8213	1	86	T	NA
Kin-0	CS22654	6926	1	91	NA	C
Kin-0	CS6755	7193	1	91	NA	C
Kin-0	CS22654	8316	1	91	NA	C

6.65 SNP AtMSQTsnp 164(chrom=2, pos=14003409, alignment id=2631, alignment start=14003272)

Table 931: SNP AtMSQTsnp 164(chromosome=2, position=14003409, alignment id=2631, alignment start=14003272)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	9	3	12	0	0	0	0	0	0	0	0
A	0	27	46	1	0	0	1	0	0	0	0	0
C	0	61	6	85	0	0	1	0	0	0	0	0
G	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

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

Table 932: detailed difference for SNP AtMSQTsnp 164

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
RRS-10	CS22565	8372	1	2	A	NA
Kno-10	CS22566	8317	1	3	A	NA
Kno-18	CS22567	8318	1	4	A	NA
Rmx-A02	CS22568	8370	1	5	A	NA
Rmx-A180	CS22569	8371	1	6	A	NA
Pna-17	CS22570	8359	1	7	C	NA
Pna-10	CS22571	8358	1	8	A	NA
Eden-1	CS22572	6009	4	9	C	NA
Eden-2	CS22573	6913	1	10	NA	C
Lv-1	CS22574	6043	2	11	C	NA
Lv-5	CS22575	6046	2	12	C	NA
Fb-2	CS22576	8292	1	13	A	NA
Fb-4	CS22577	8293	1	14	A	NA
Bil-5	CS22578	8262	1	15	C	NA
Bil-7	CS22579	8263	1	16	C	NA
Vr2-1	CS22580	8401	1	17	C	NA
Vr2-6	CS22581	8402	1	18	C	NA
Spr1-2	CS22582	8382	1	19	C	NA
Spr1-6	CS22583	8383	1	20	C	NA
m2-1	CS22584	8349	1	21	C	NA
m2-3	CS22585	8350	1	22	C	NA
Ull2-5	CS22586	8397	1	23	C	NA
Ull2-3	CS22587	8396	1	24	C	NA
Zdr-1	CS22588	8409	1	25	C	NA
Zdr-6	CS22589	8410	1	26	C	NA
Bor-1	CS22590	5837	2	27	A	NA
Bor-4	CS22591	8268	1	28	A	NA
Pu2-7	CS22592	8362	1	29	C	NA
Pu2-23	CS22593	8361	1	30	C	NA
Lp2-2	CS22594	8332	1	31	C	NA
Lp2-6	CS22595	8333	1	32	C	NA
HR-5	CS22205	6800	1	33	NA	C
HR-5	CS22596	6924	1	33	NA	C
HR-10	CS22597	8308	1	34	A	NA
NFA-8	CS22598	6944	1	35	NA	A
NFA-10	CS22599	8345	1	36	C	NA
Sq-1	CS22600	8384	1	37	C	NA
Sq-8	CS22601	8385	1	38	C	NA
CIBC-5	CS22224	6730	1	39	A	C
CIBC-5	CS22602	8277	1	39	A	NA
CIBC-17	CS22603	8276	1	40	C	NA
Tamm-2	CS22604	6968	1	41	NA	C
Tamm-27	CS22605	8391	1	42	C	NA
Kz-1	CS22606	8320	1	43	A	NA
Kz-9	CS22607	8322	1	44	C	NA
Got-7	CS22608	8299	1	45	C	NA
Got-22	CS22609	8298	1	46	C	NA
REN-1	CS22253	6866	1	47	C	AC
Ren-1	CS22610	8367	1	47	C	NA
Ren-11	CS22611	8368	1	48	C	NA
Uod-1	CS22612	8398	1	49	A	NA
Uod-7	CS22613	8399	1	50	C	NA
Cvi-0	CS22614	8281	1	51	A	NA
Lz-0	CS22615	8336	1	52	A	NA
Ei-2	CS22616	8289	1	53	C	NA
Gu-0	CS22617	8301	1	54	C	NA
Ler-1	CS22618	8324	1	55	A	NA
Nd-1	CS22619	8344	1	56	A	NA
C24	CS22620	8273	1	57	A	NA
N13	CS22491	7438	1	58	C	NA
N13	CS22491	8429	1	58	C	NA
Wei-0	CS22622	6979	1	59	NA	A
Wei-0	CS6182	7402	1	59	NA	A
Ws-0	CS22623	8405	1	60	C	NA
Yo-0	CS22624	8408	1	61	C	NA
Col-0	CS22625	8279	1	62	C	NA
An-1	CS22626	8253	1	63	C	NA
Van-0	CS22627	6977	1	64	C	NA
Van-0	CS22627	8400	1	64	C	NA

Br-0	CS22628	6904	1	65	NA	C
Br-0	CS6626	7027	1	65	NA	C
Est-1	CS22629	6916	1	66	C	A
Est-1	CS6701	7129	1	66	C	A
Est-1	CS22629	8291	1	66	C	NA
Ag-0	CS22630	8251	1	67	A	NA
Gy-0	CS6732	7421	1	68	C	A
Gy-0	CS22631	8214	1	68	C	A
Gy-0	CS22631	8302	1	68	C	NA
Ra-0	CS22632	6958	1	69	C	A
Ra-0	CS6844	7312	1	69	C	A
Ra-0	CS22632	8364	1	69	C	NA
Bay-0	CS22633	8260	1	70	C	NA
Ga-0	CS22634	6919	1	71	NA	C
Ga-0	CS6714	7140	1	71	NA	C
Mrk-0	CS22635	6937	1	72	NA	C
Mrk-0	CS6796	7247	1	72	NA	C
Mz-0	CS22636	8342	1	73	C	NA
Wt-5	CS22637	8407	1	74	C	NA
Ct-1	CS22639	8280	1	76	C	NA
Mr-0	CS6795	7429	1	77	A	AC
Mr-0	CS22640	8338	1	77	A	NA
Tsu-1	CS22641	8394	1	78	A	NA
Mt-0	CS22642	6939	1	79	C	NA
Mt-0	CS22642	8341	1	79	C	NA
Nok-3	CS22643	8347	1	80	C	NA
Wa-1	CS22644	8403	1	81	C	NA
Fei-0	CS22645	8294	1	82	C	NA
Se-0	CS22646	8379	1	83	C	NA
Ts-1	CS22647	6970	1	84	NA	C
Ts-1	CS6868	7366	1	84	NA	C
Ts-5	CS22648	8393	1	85	C	NA
Pro-0	CS22649	8360	1	86	C	NA
LL-0	CS22650	8328	1	87	C	NA
Kondara	CS22651	8319	1	88	A	NA
Shahdara	CS22652	8248	1	89	C	NA
Sorbo	CS22653	8381	1	90	A	NA
Kin-0	CS22654	8316	1	91	A	NA
Ms-0	CS22655	8340	1	92	C	NA
Bur-0	CS22656	8272	1	93	C	NA
Edi-0	CS22657	8288	1	94	A	NA
Oy-0	CS22658	8352	1	95	C	NA
Ws-2	CS22659	8406	1	96	A	NA

6.66 SNP AtMSQTsnp 169(chrom=2, pos=15801542, alignment id=396, alignment start=15801112)

Table 933: SNP AtMSQTsnp 169(chromosome=2, position=15801542, alignment id=396, alignment start=15801112)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	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
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	4	0	0	161	0	0	0	0	0	0	1
T	0	2	0	0	1	83	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 934: detailed difference for SNP AtMSQTsnp 169

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	T	NA
CIBC-5	CS22224	6730	1	39	T	G
Tamm-2	CS22604	6968	1	41	G	NA
N13	CS22491	7438	1	58	G	GT
Mt-0	CS22642	6939	1	79	G	NA
Wa-1	CS22644	6978	1	81	G	NA
Pro-0	CS22649	8213	1	86	T	NA
Shahdara	CS22652	8248	1	89	G	NA

6.67 SNP AtMSQTsnp 170(chrom=2, pos=15986354, alignment id=2292, alignment start=15986145)

Table 935: SNP AtMSQTsnp 170(chromosome=2, position=15986354, alignment id=2292, alignment start=15986145)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	3	3	1	0	0	0	0	0	0	0	0
A	0	46	72	1	0	0	0	0	0	0	0	0
C	0	48	0	64	0	0	0	0	0	0	0	0
G	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
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 936: detailed difference for SNP AtMSQTsnp 170

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
RRS-10	CS22565	8372	1	2	C	NA
Kno-10	CS22566	8317	1	3	C	NA
Kno-18	CS22567	8318	1	4	A	NA
Rmx-A02	CS22568	8370	1	5	C	NA
Rmx-A180	CS22569	7525	1	6	NA	A
Pna-17	CS22570	8359	1	7	C	NA
Eden-1	CS22572	6009	4	9	C	NA
Eden-2	CS22573	8287	1	10	C	NA
Lv-1	CS22574	6043	2	11	A	NA
Lv-5	CS22575	6046	2	12	A	NA
Fb-2	CS22576	8292	1	13	C	NA
Fb-4	CS22577	8293	1	14	C	NA
Bil-5	CS22578	8262	1	15	C	NA
Bil-7	CS22579	8263	1	16	C	NA
Vr2-1	CS22580	8401	1	17	C	NA
Vr2-6	CS22581	8402	1	18	C	NA
Spr1-2	CS22582	8382	1	19	A	NA
Spr1-6	CS22583	8383	1	20	C	NA
m2-1	CS22584	8349	1	21	A	NA
Ull2-5	CS22586	8397	1	23	A	NA
Ull2-3	CS22587	6973	1	24	NA	C
Zdr-1	CS22588	8409	1	25	C	NA
Zdr-6	CS22589	8410	1	26	C	NA
Bor-1	CS22590	5837	2	27	C	NA
Bor-4	CS22591	8268	1	28	C	NA
Pu2-7	CS22592	6956	1	29	A	NA
Pu2-7	CS22592	8362	1	29	A	NA
Pu2-23	CS22593	8361	1	30	A	NA
Lp2-2	CS22594	8332	1	31	C	NA
Lp2-6	CS22595	8333	1	32	C	NA
HR-5	CS22596	8309	1	33	C	NA
HR-10	CS22597	8308	1	34	C	NA
NFA-8	CS22598	8346	1	35	C	NA
NFA-10	CS22599	8345	1	36	A	NA
Sq-1	CS22600	8384	1	37	A	NA
Sq-8	CS22601	8385	1	38	C	NA
CIBC-5	CS22224	6730	1	39	A	C
CIBC-5	CS22602	8277	1	39	A	NA
CIBC-17	CS22603	8276	1	40	A	NA
Tamm-2	CS22604	8390	1	41	C	NA
Tamm-27	CS22605	8391	1	42	C	NA
Kz-1	CS22606	8320	1	43	C	NA
Kz-9	CS22607	8322	1	44	C	NA
Got-7	CS22608	8299	1	45	A	NA
Got-22	CS22609	8298	1	46	A	NA
REN-1	CS22253	6866	1	47	C	NA
Ren-1	CS22610	8367	1	47	C	NA
Ren-11	CS22611	8368	1	48	A	NA
Uod-1	CS22612	8398	1	49	A	NA
Uod-7	CS22613	8399	1	50	C	NA
Cvi-0	CS22614	8281	1	51	C	NA
Lz-0	CS22615	8336	1	52	A	NA
Ei-2	CS22616	8289	1	53	C	NA

Gu-0	CS22617	8301	1	54	C	NA
Ler-1	CS6928	7211	1	55	A	NA
Ler-1	CS22618	8324	1	55	A	NA
Nd-1	CS22619	8344	1	56	A	NA
C24	CS22620	8273	1	57	C	NA
N13	CS22491	7438	1	58	C	NA
N13	CS22491	8429	1	58	C	NA
Wei-0	CS22622	8404	1	59	C	NA
Ws-0	CS22623	8405	1	60	A	NA
Yo-0	CS22624	8408	1	61	C	NA
Col-0	CS22625	8279	1	62	A	NA
An-1	CS22626	8253	1	63	A	NA
Van-0	CS22627	6977	1	64	A	NA
Van-0	CS22627	8400	1	64	A	NA
Br-0	CS6626	7027	1	65	A	NA
Br-0	CS22628	8269	1	65	A	NA
Est-1	CS22629	8291	1	66	A	NA
Ag-0	CS22630	8251	1	67	C	NA
Gy-0	CS22631	8302	1	68	A	NA
Ra-0	CS22632	8364	1	69	C	NA
Bay-0	CS22633	8260	1	70	A	NA
Ga-0	CS22634	6919	1	71	NA	A
Ga-0	CS6714	7140	1	71	NA	A
Mrk-0	CS22635	8339	1	72	A	NA
Mz-0	CS22636	8342	1	73	A	NA
Wt-5	CS22637	8407	1	74	C	NA
Ct-1	CS22639	8280	1	76	C	NA
Mr-0	CS22640	8338	1	77	A	NA
Tsu-1	CS22641	8394	1	78	A	NA
Mt-0	CS22642	6939	1	79	C	NA
Mt-0	CS6799	7249	1	79	C	NA
Mt-0	CS22642	8341	1	79	C	NA
Nok-3	CS22643	8347	1	80	A	NA
Wa-1	CS22644	8403	1	81	C	NA
Fei-0	CS22645	8294	1	82	C	NA
Se-0	CS22646	8379	1	83	A	NA
Ts-1	CS22647	8392	1	84	A	NA
Ts-5	CS22648	8393	1	85	A	NA
Pro-0	CS22649	8360	1	86	A	NA
LL-0	CS22650	8328	1	87	A	NA
Kondara	CS22651	8319	1	88	C	NA
Shahdara	CS22652	8248	1	89	A	NA
Sorbo	CS22653	8381	1	90	A	NA
Kin-0	CS22654	8316	1	91	A	NA
Ms-0	CS22655	8340	1	92	A	NA
Edi-0	CS22657	8288	1	94	A	NA

6.68 SNP AtMSQTsnp 173(chrom=2, pos=16908190, alignment id=728, alignment start=16908054)

Table 937: SNP AtMSQTsnp 173(chromosome=2, position=16908190, alignment id=728, alignment start=16908054)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	0	0	3	0	0	0	0	0	0	0
A	0	8	112	0	3	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	11	1	0	113	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 938: detailed difference for SNP AtMSQTsnp 173

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
RRS-10	CS22565	8372	1	2	NA	G
Eden-1	CS22572	6009	4	9	G	NA
Eden-1	CS22572	6912	1	9	G	NA
Lv-1	CS22574	6043	2	11	G	NA
Lv-1	CS22574	6934	1	11	G	NA
M2-3	CS22585	7519	1	22	A	NA

Uod-7	CS22613	6976	1	50	G	NA
Cvi-0	CS6675	7065	1	51	G	NA
Gu-0	CS22617	6922	1	54	G	NA
Ler-1	CS6928	7211	1	55	A	NA
Yo-0	CS6901	7416	1	61	G	NA
Ra-0	CS22632	6958	1	69	A	NA
Ra-0	CS6844	7312	1	69	A	NA
Mrk-0	CS6796	7247	1	72	A	NA
Kas-2	CS22638	6925	1	75	G	NA
Ct-1	CS6674	7067	1	76	A	NA
Mr-0	CS6795	7429	1	77	G	A
Mt-0	CS22642	6939	1	79	G	NA
Ll-0	CS6781	7237	1	87	A	NA
Sorbo	CS22653	6963	1	90	NA	G
Sorbo	CS22653	8381	1	90	NA	G
Kin-0	CS6755	7193	1	91	A	NA
Ms-0	CS22655	6938	1	92	A	G
Ms-0	CS6797	7254	1	92	A	G
Ms-0	CS22655	8340	1	92	A	G
Edi-0	CS22657	6914	1	94	G	NA

6.69 SNP AtMSQTsnp 174(chrom=2, pos=17121378, alignment id=2453, alignment start=17121159)

Table 939: SNP AtMSQTsnp 174(chromosome=2, position=17121378, alignment id=2453, alignment start=17121159)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	4	28	0	26	0	0	1	0	0	0	0
A	0	0	81	0	1	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	2	0	0	109	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 940: detailed difference for SNP AtMSQTsnp 174

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	1	9	NA	G
Eden-1	CS22572	6009	2	9	NA	G
Eden-1	CS22572	6009	3	9	NA	G
Eden-1	CS22572	6912	1	9	NA	G
Lv-1	CS22574	6043	1	11	NA	G
Lv-1	CS22574	6043	2	11	NA	G
Lv-1	CS22574	6934	1	11	NA	G
Fb-2	CS22576	6917	1	13	NA	G
Fb-2	CS22576	8292	1	13	NA	G
Ull2-5	CS22586	6974	1	23	NA	G
Ull2-5	CS22586	8397	1	23	NA	G
CIBC-5	CS22224	6730	1	39	A	G
CIBC-17	CS22236	6724	1	40	NA	G
CIBC-17	CS22603	6907	1	40	NA	G
CIBC-17	CS22603	8276	1	40	NA	G
Tamm-2	CS22604	6968	1	41	G	NA
Van-0	CS22627	6977	1	64	NA	A
Van-0	CS6884	7383	1	64	NA	A
Van-0	CS22627	8400	1	64	NA	A
Ag-0	CS22630	6897	1	67	NA	A
Ag-0	CS6601	6999	1	67	NA	A
Ag-0	CS22630	8251	1	67	NA	A
Ga-0	CS22634	6919	1	71	NA	G
Ga-0	CS6714	7140	1	71	NA	G
Ga-0	CS22634	8295	1	71	NA	G
Mrk-0	CS22635	6937	1	72	NA	A
Mrk-0	CS6796	7247	1	72	NA	A
Mrk-0	CS22635	8339	1	72	NA	A
Kas-2	CS22638	6925	1	75	NA	A
Kas-2	CS6751	7184	1	75	NA	A
Ct-1	CS22639	6910	1	76	NA	A
Ct-1	CS6674	7067	1	76	NA	A

Ct-1	CS22639	8280	1	76	NA	A
Mr-0	CS6795	7429	1	77	NA	AG
Mr-0	CS6795	7429	2	77	NA	G
Mr-0	CS22640	7522	1	77	NA	G
Mr-0	CS22640	8338	1	77	NA	G
Mt-0	CS6799	7249	1	79	NA	A
Mt-0	CS22642	8341	1	79	NA	A
Nok-3	CS22643	6945	1	80	NA	A
Nok-3	CS6810	7272	1	80	NA	A
Nok-3	CS22643	8347	1	80	NA	A
Wa-1	CS6885	7394	1	81	NA	A
Wa-1	CS22644	8403	1	81	NA	A
Pro-0	CS22649	8213	1	86	G	NA
LL-0	CS22650	6933	1	87	NA	G
Ll-0	CS6781	7237	1	87	NA	G
LL-0	CS22650	8328	1	87	NA	G
Kondara	CS22651	6929	1	88	NA	A
Kondara	CS916	7200	1	88	NA	A
Kondara	CS22651	8319	1	88	NA	A
Oy-0	CS22658	6946	1	95	NA	G
Oy-0	CS6824	7288	1	95	NA	G
Oy-0	CS22658	8352	1	95	NA	G
Ws-2	CS22659	6981	1	96	NA	A
Ws-2	CS2360	7399	1	96	NA	A
Ws-2	CS2360	7399	2	96	NA	A
Ws-2	CS22659	8406	1	96	NA	A

6.70 SNP AtMSQTsnp 177(chrom=2, pos=17859964, alignment id=118, alignment start=17859576)

Table 941: SNP AtMSQTsnp 177(chromosome=2, position=17859964, alignment id=118, alignment start=17859576)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	3	0	0	0	0	0	0	0
A	0	1	64	0	1	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	2	0	0	178	0	0	0	0	0	0	0
T	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
AG	0	0	3	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 942: detailed difference for SNP AtMSQTsnp 177

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	A	NA
Bor-1	CS22590	5837	1	27	A	G
Ra-0	CS22632	6958	1	69	G	NA
Mt-0	CS22642	6939	1	79	G	NA
Ts-1	CS22647	6970	1	84	NA	G
Ts-1	CS6868	7366	1	84	NA	G
Ts-1	CS22647	8392	1	84	NA	G
Ms-0	CS22655	6938	1	92	AG	A
Ms-0	CS6797	7254	1	92	AG	A
Ms-0	CS22655	8340	1	92	AG	A

6.71 SNP AtMSQTsnp 184(chrom=2, pos=18752840, alignment id=1423, alignment start=18752604)

Table 943: SNP AtMSQTsnp 184(chromosome=2, position=18752840, alignment id=1423, alignment start=18752604)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	17	7	0	0	24	0	0	1	0	0	0
A	0	21	41	0	0	0	0	0	0	0	0	0
C	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

T	0	57	3	0	0	77	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 944: detailed difference for SNP AtMSQTsnp 184

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
RRS-10	CS22565	8372	1	2	T	NA
KNO-10	CS22410	6809	1	3	NA	T
KNO-10	CS22566	6927	1	3	NA	T
KNO-18	CS22418	6817	1	4	NA	A
KNO-18	CS22567	6928	1	4	NA	A
Rmx-A02	CS22568	8370	1	5	T	NA
Rmx-A180	CS22569	8371	1	6	T	NA
Pna-17	CS22570	8359	1	7	A	NA
Pna-10	CS22571	7526	1	8	NA	T
Pna-10	CS22571	8358	1	8	NA	T
Eden-1	CS22572	6009	1	9	NA	T
Eden-1	CS22572	6009	2	9	NA	T
Eden-1	CS22572	6009	3	9	NA	T
Eden-1	CS22572	6912	1	9	NA	T
Eden-2	CS22573	6913	1	10	NA	T
Lv-1	CS22574	6043	1	11	NA	T
Lv-1	CS22574	6934	1	11	NA	T
Lv-5	CS22575	6046	1	12	NA	T
Lv-5	CS22575	6935	1	12	NA	T
Fb-2	CS22576	8292	1	13	T	NA
Fb-4	CS22577	8293	1	14	T	NA
Bil-5	CS22578	8262	1	15	T	NA
Bil-7	CS22579	8263	1	16	T	NA
Vr2-1	CS22580	7516	1	17	NA	T
Vr2-6	CS22581	8402	1	18	T	NA
Spr1-2	CS22582	8382	1	19	T	NA
Spr1-6	CS22583	8383	1	20	T	NA
m2-1	CS22584	8349	1	21	T	NA
m2-3	CS22585	8350	1	22	T	NA
Ull2-5	CS22586	8397	1	23	T	NA
Ull2-3	CS22587	6973	1	24	NA	A
Zdr-1	CS22588	8409	1	25	T	NA
Zdr-6	CS22589	8410	1	26	T	NA
Bor-1	CS22590	5837	1	27	T	A
Bor-1	CS22590	5837	2	27	T	NA
Bor-4	CS22591	8268	1	28	T	NA
Pu2-7	CS22592	8362	1	29	T	NA
Pu2-23	CS22593	8361	1	30	T	NA
Lp2-2	CS22594	8332	1	31	T	NA
Lp2-6	CS22595	8333	1	32	T	NA
HR-5	CS22596	8309	1	33	T	NA
HR-10	CS22597	8308	1	34	T	NA
NFA-8	CS22598	8346	1	35	T	NA
NFA-10	CS22599	8345	1	36	T	NA
Sq-1	CS22600	8384	1	37	T	NA
Sq-8	CS22601	8385	1	38	A	NA
CIBC-5	CS22224	6730	1	39	T	A
CIBC-5	CS22602	8277	1	39	T	NA
CIBC-17	CS22603	8276	1	40	T	NA
Tamm-2	CS22604	8390	1	41	T	NA
Tamm-27	CS22605	6969	1	42	NA	T
Kz-1	CS22606	8320	1	43	T	NA
Kz-9	CS22607	8322	1	44	T	NA
Got-7	CS22608	8299	1	45	A	NA
Got-22	CS22609	8298	1	46	A	NA
Ren-1	CS22610	8367	1	47	A	NA
Ren-11	CS22611	8368	1	48	A	NA
Uod-1	CS22612	6975	1	49	NA	T
Uod-7	CS22613	8399	1	50	T	NA
Cvi-0	CS22614	8281	1	51	T	NA
Lz-0	CS22615	8336	1	52	T	NA
Ei-2	CS22616	8289	1	53	A	NA
Gu-0	CS22617	8301	1	54	T	NA
Ler-1	CS22618	8324	1	55	A	NA
Nd-1	CS22619	8344	1	56	A	NA
C24	CS22620	8273	1	57	T	NA
N13	CS22491	7438	1	58	T	NA
N13	CS22491	8429	1	58	T	NA

Wei-0	CS22622	6979	1	59	NA	A
Wei-0	CS6182	7402	1	59	NA	A
Ws-0	CS22623	8405	1	60	A	NA
Yo-0	CS22624	8408	1	61	A	NA
Col-0	CS22625	8279	1	62	T	NA
An-1	CS22626	8253	1	63	T	NA
Van-0	CS22627	6977	1	64	T	NA
Van-0	CS6884	7383	1	64	T	A
Van-0	CS22627	8400	1	64	T	NA
Br-0	CS22628	6904	1	65	NA	T
Br-0	CS6626	7027	1	65	NA	T
Est-1	CS22629	8291	1	66	T	NA
Ag-0	CS22630	8251	1	67	A	NA
Gy-0	CS22631	8302	1	68	T	NA
Ra-0	CS22632	8364	1	69	A	NA
Bay-0	CS22633	8260	1	70	A	NA
Ga-0	CS22634	8295	1	71	T	NA
Mrk-0	CS22635	8339	1	72	A	NA
Mz-0	CS22636	8342	1	73	A	NA
Wt-5	CS22637	6982	1	74	NA	T
Wt-5	CS6896	7410	1	74	NA	T
Ct-1	CS22639	8280	1	76	T	NA
Mr-0	CS6795	7429	1	77	NA	AT
Mr-0	CS6795	7429	2	77	NA	T
Mr-0	CS22640	7522	1	77	NA	T
Tsu-1	CS22641	8394	1	78	A	NA
Mt-0	CS22642	6939	1	79	T	NA
Mt-0	CS22642	8341	1	79	T	NA
Nok-3	CS22643	8347	1	80	T	NA
Wa-1	CS22644	6978	1	81	NA	T
Wa-1	CS6885	7394	1	81	NA	T
Fei-0	CS22645	8294	1	82	A	NA
Se-0	CS22646	8379	1	83	T	NA
Ts-1	CS22647	8392	1	84	A	NA
Ts-5	CS22648	8393	1	85	T	NA
Pro-0	CS22649	8360	1	86	T	NA
LL-0	CS22650	8328	1	87	T	NA
Kondara	CS22651	8319	1	88	T	NA
Sorbo	CS22653	8381	1	90	T	NA
Kin-0	CS22654	8316	1	91	A	NA
Ms-0	CS22655	8340	1	92	T	NA
Bur-0	CS22656	8272	1	93	A	NA
Edi-0	CS22657	8288	1	94	T	NA
Oy-0	CS22658	6946	1	95	NA	A
Oy-0	CS6824	7288	1	95	NA	A

6.72 SNP AtMSQTsnp 186(chrom=3, pos=298210, alignment id=777, alignment start=297801)

Table 945: SNP AtMSQTsnp 186(chromosome=3, position=298210, alignment id=777, alignment start=297801)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	0	0	0	0	0	0	0	0
A	0	38	64	0	0	0	0	0	1	0	0	0
C	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
T	0	58	1	0	0	90	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 946: detailed difference for SNP AtMSQTsnp 186

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
RRS-10	CS22565	8372	1	2	A	NA
Kno-10	CS22566	8317	1	3	A	NA
Kno-18	CS22567	8318	1	4	A	NA
Rmx-A02	CS22568	8370	1	5	A	NA
Rmx-A180	CS22569	8371	1	6	T	NA
Pna-17	CS22570	8359	1	7	A	NA
Pna-10	CS22571	8358	1	8	A	NA

Eden-1	CS22572	6009	4	9	A	NA
Eden-2	CS22573	8287	1	10	A	NA
Lv-1	CS22574	6043	2	11	A	NA
Lv-5	CS22575	6046	2	12	A	NA
Fb-2	CS22576	8292	1	13	T	NA
Fb-4	CS22577	8293	1	14	A	NA
Bil-5	CS22578	8262	1	15	T	NA
Bil-7	CS22579	8263	1	16	T	NA
Vr2-1	CS22580	8401	1	17	A	NA
Vr2-6	CS22581	8402	1	18	A	NA
Spr1-2	CS22582	8382	1	19	T	NA
Spr1-6	CS22583	8383	1	20	T	NA
m2-1	CS22584	8349	1	21	T	NA
m2-3	CS22585	8350	1	22	A	NA
Ull2-5	CS22586	8397	1	23	T	NA
Ull2-3	CS22587	8396	1	24	T	NA
Zdr-1	CS22588	8409	1	25	T	NA
Zdr-6	CS22589	8410	1	26	T	NA
Bor-1	CS22590	5837	2	27	T	NA
Bor-4	CS22591	8268	1	28	T	NA
Pu2-7	CS22592	8362	1	29	T	NA
Pu2-23	CS22593	8361	1	30	T	NA
Lp2-2	CS22594	8332	1	31	T	NA
Lp2-6	CS22595	8333	1	32	A	NA
HR-5	CS22596	8309	1	33	A	NA
HR-10	CS22597	8308	1	34	T	NA
NFA-8	CS22598	8346	1	35	T	NA
NFA-10	CS22599	8345	1	36	A	NA
Sq-1	CS22600	8384	1	37	A	NA
Sq-8	CS22601	8385	1	38	A	NA
CIBC-5	CS22224	6730	1	39	T	A
CIBC-5	CS22602	8277	1	39	T	NA
CIBC-17	CS22603	8276	1	40	A	NA
Tamm-2	CS22604	8390	1	41	T	NA
Tamm-27	CS22605	8391	1	42	T	NA
Kz-1	CS22606	8320	1	43	T	NA
Kz-9	CS22607	8322	1	44	T	NA
Got-7	CS22608	8299	1	45	A	NA
Got-22	CS22609	8298	1	46	A	NA
Ren-1	CS22610	8367	1	47	T	NA
Ren-11	CS22611	8368	1	48	T	NA
Uod-1	CS22612	8398	1	49	T	NA
Uod-7	CS22613	8399	1	50	T	NA
Cvi-0	CS22614	8281	1	51	T	NA
Lz-0	CS22615	8336	1	52	A	NA
Ei-2	CS22616	8289	1	53	T	NA
Gu-0	CS22617	8301	1	54	T	NA
Ler-1	CS22618	8324	1	55	T	NA
Nd-1	CS22619	8344	1	56	T	NA
C24	CS22620	8273	1	57	A	NA
N13	CS22491	8429	1	58	T	NA
Wei-0	CS22622	8404	1	59	A	NA
Ws-0	CS22623	8405	1	60	T	NA
Yo-0	CS22624	8408	1	61	T	NA
Col-0	CS22625	8279	1	62	T	NA
An-1	CS22626	8253	1	63	A	NA
Van-0	CS22627	6977	1	64	T	NA
Van-0	CS22627	8400	1	64	T	NA
Br-0	CS22628	8269	1	65	A	NA
Est-1	CS22629	8291	1	66	T	NA
Ag-0	CS22630	8251	1	67	A	NA
Gy-0	CS22631	8302	1	68	A	NA
Ra-0	CS22632	8364	1	69	A	NA
Bay-0	CS22633	8260	1	70	A	NA
Ga-0	CS22634	8295	1	71	T	NA
Mrk-0	CS22635	8339	1	72	T	NA
Mz-0	CS22636	8342	1	73	T	NA
Wt-5	CS22637	8407	1	74	T	NA
Ct-1	CS22639	8280	1	76	T	NA
Mr-0	CS6795	7429	1	77	A	AT
Mr-0	CS22640	8338	1	77	A	NA
Tsu-1	CS22641	8394	1	78	T	NA
Mt-0	CS22642	6939	1	79	T	NA
Mt-0	CS22642	8341	1	79	T	NA
Nok-3	CS22643	8347	1	80	T	NA
Wa-1	CS22644	8403	1	81	T	NA
Fei-0	CS22645	8294	1	82	T	NA
Se-0	CS22646	8379	1	83	A	NA
Ts-1	CS22647	8392	1	84	A	NA
Ts-5	CS22648	8393	1	85	A	NA
Pro-0	CS22649	8360	1	86	T	NA

LL-0	CS22650	8328	1	87	A	NA
Kondara	CS22651	8319	1	88	T	NA
Shahdara	CS22652	8248	1	89	T	NA
Sorbo	CS22653	8381	1	90	T	NA
Kin-0	CS22654	8316	1	91	A	NA
Ms-0	CS22655	8340	1	92	T	NA
Bur-0	CS22656	8272	1	93	T	NA
Edi-0	CS22657	8288	1	94	A	NA
Oy-0	CS22658	8352	1	95	T	NA
Ws-2	CS22659	8406	1	96	T	NA

6.73 SNP AtMSQTsnp 187(chrom=3, pos=580470, alignment id=55, alignment start=580026)

Table 947: SNP AtMSQTsnp 187(chromosome=3, position=580470, alignment id=55, alignment start=580026)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	9	0	0	0	0	0	0	0	0	0
A	0	2	156	0	0	1	0	0	0	0	0	0
C	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
T	0	3	0	0	0	76	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 948: detailed difference for SNP AtMSQTsnp 187

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	A	NA
Eden-2	CS22573	6913	1	10	NA	A
Eden-2	CS22573	8287	1	10	NA	A
Fb-2	CS22576	6917	1	13	NA	A
Fb-2	CS22576	8292	1	13	NA	A
Bor-1	CS22590	5837	1	27	A	T
N13	CS22491	7438	1	58	T	NA
Yo-0	CS6901	7416	1	61	T	NA
Ra-0	CS22632	6958	1	69	A	NA
Tsu-1	CS22641	6972	1	78	NA	A
Tsu-1	CS6926	7374	1	78	NA	A
Tsu-1	CS22641	8394	1	78	NA	A
Mt-0	CS22642	6939	1	79	T	NA
Fei-0	CS22645	8215	1	82	NA	A
Fei-0	CS22645	8294	1	82	NA	A

6.74 SNP AtMSQTsnp 188(chrom=3, pos=2072780, alignment id=649, alignment start=2072648)

Table 949: SNP AtMSQTsnp 188(chromosome=3, position=2072780, alignment id=649, alignment start=2072648)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	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
C	0	3	0	164	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	9	0	2	0	71	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	3	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 950: detailed difference for SNP AtMSQTsnp 188

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	C	NA
Bor-1	CS22590	5837	1	27	T	C
Bor-1	CS22590	6902	1	27	T	NA
CIBC-5	CS22224	6730	1	39	T	C
GOT-7	CS22608	6921	1	45	T	NA
GOT-22	CS22609	6920	1	46	T	NA
An-1	CS6603	6995	1	63	T	NA
Van-0	CS22627	6977	1	64	CT	C
Van-0	CS6884	7383	1	64	CT	C
Van-0	CS22627	8400	1	64	CT	C
Br-0	CS6626	7027	1	65	T	NA
Ra-0	CS22632	6958	1	69	C	NA
Mt-0	CS22642	6939	1	79	C	NA
Fei-0	CS22645	8215	1	82	T	NA
Se-0	CS22646	6961	1	83	T	NA
Se-0	CS6852	7326	1	83	T	NA
Pro-0	CS22649	8213	1	86	T	NA

6.75 SNP AtMSQTsnp 189(chrom=3, pos=2231938, alignment id=779, alignment start=2231413)

Table 951: SNP AtMSQTsnp 189(chromosome=3, position=2231938, alignment id=779, alignment start=2231413)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	2	0	0	0	0	0	0	0	0	0
A	0	43	72	0	0	0	0	1	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	50	1	0	82	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 952: detailed difference for SNP AtMSQTsnp 189

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
RRS-10	CS22565	8372	1	2	A	NA
Kno-10	CS22566	8317	1	3	A	NA
Kno-18	CS22567	8318	1	4	G	NA
Rmx-A02	CS22568	8370	1	5	A	NA
Rmx-A180	CS22569	8371	1	6	G	NA
Pna-17	CS22570	8359	1	7	A	NA
Pna-10	CS22571	8358	1	8	A	NA
Eden-1	CS22572	6009	4	9	G	NA
Eden-2	CS22573	8287	1	10	A	NA
Lv-1	CS22574	6043	2	11	A	NA
Lv-5	CS22575	6046	2	12	A	NA
Fb-2	CS22576	8292	1	13	G	NA
Fb-4	CS22577	8293	1	14	A	NA
Bil-5	CS22578	8262	1	15	A	NA
Bil-7	CS22579	8263	1	16	A	NA
Vr2-1	CS22580	8401	1	17	A	NA
Vr2-6	CS22581	8402	1	18	G	NA
Spr1-6	CS22583	8383	1	20	G	NA
m2-1	CS22584	8349	1	21	G	NA
m2-3	CS22585	8350	1	22	A	NA
Ull2-5	CS22586	8397	1	23	G	NA
Ull2-3	CS22587	8396	1	24	A	NA
Zdr-1	CS22588	8409	1	25	G	NA
Zdr-6	CS22589	8410	1	26	G	NA
Bor-1	CS22590	5837	2	27	A	NA
Bor-4	CS22591	8268	1	28	A	NA
Pu2-7	CS22592	8362	1	29	G	NA
Pu2-23	CS22593	8361	1	30	A	NA
Lp2-2	CS22594	8332	1	31	G	NA
Lp2-6	CS22595	8333	1	32	A	NA
HR-5	CS22596	8309	1	33	G	NA
HR-10	CS22597	8308	1	34	G	NA

NFA-8	CS22598	8346	1	35	G	NA
NFA-10	CS22599	8345	1	36	G	NA
Sq-1	CS22600	8384	1	37	G	NA
Sq-8	CS22601	8385	1	38	G	NA
CIBC-5	CS22224	6730	1	39	G	A
CIBC-5	CS22602	8277	1	39	G	NA
CIBC-17	CS22603	8276	1	40	A	NA
Tamm-2	CS22604	8390	1	41	A	NA
Tamm-27	CS22605	8391	1	42	A	NA
Kz-1	CS22606	8320	1	43	A	NA
Kz-9	CS22607	8322	1	44	G	NA
Got-7	CS22608	8299	1	45	A	NA
Got-22	CS22609	8298	1	46	A	NA
Ren-1	CS22610	8367	1	47	G	NA
Ren-11	CS22611	8368	1	48	G	NA
Uod-1	CS22612	8398	1	49	G	NA
Uod-7	CS22613	8399	1	50	G	NA
Cvi-0	CS22614	8281	1	51	A	NA
Lz-0	CS22615	8336	1	52	G	NA
Ei-2	CS22616	8289	1	53	G	NA
Gu-0	CS22617	8301	1	54	G	NA
Ler-1	CS22618	8324	1	55	A	NA
Nd-1	CS22619	8344	1	56	A	NA
C24	CS22620	8273	1	57	A	NA
N13	CS22491	8429	1	58	A	NA
Wei-0	CS22622	8404	1	59	A	NA
Ws-0	CS22623	8405	1	60	G	NA
Yo-0	CS22624	8408	1	61	A	NA
Col-0	CS22625	8279	1	62	A	NA
An-1	CS22626	8253	1	63	G	NA
Van-0	CS22627	6977	1	64	G	NA
Van-0	CS22627	8400	1	64	G	NA
Br-0	CS22628	8269	1	65	A	NA
Est-1	CS22629	8291	1	66	G	NA
Ag-0	CS22630	8251	1	67	G	NA
Gy-0	CS22631	8302	1	68	G	NA
Ra-0	CS22632	8364	1	69	G	NA
Bay-0	CS22633	8260	1	70	G	NA
Ga-0	CS22634	8295	1	71	A	NA
Mrk-0	CS22635	8339	1	72	A	NA
Mz-0	CS22636	8342	1	73	A	NA
Wt-5	CS22637	8407	1	74	A	NA
Ct-1	CS22639	8280	1	76	G	NA
Mr-0	CS6795	7429	1	77	A	AG
Mr-0	CS22640	8338	1	77	A	NA
Tsu-1	CS22641	8394	1	78	G	NA
Mt-0	CS22642	8341	1	79	A	NA
Nok-3	CS22643	8347	1	80	G	NA
Wa-1	CS22644	8403	1	81	A	NA
Fei-0	CS22645	8294	1	82	G	NA
Se-0	CS22646	8379	1	83	G	NA
Ts-1	CS22647	8392	1	84	G	NA
Ts-5	CS22648	8393	1	85	G	NA
Pro-0	CS22649	8360	1	86	G	NA
LL-0	CS22650	8328	1	87	G	NA
Kondara	CS22651	8319	1	88	A	NA
Shahdara	CS22652	8248	1	89	G	NA
Sorbo	CS22653	8381	1	90	G	NA
Kin-0	CS22654	8316	1	91	A	NA
Ms-0	CS22655	8340	1	92	G	NA
Bur-0	CS22656	8272	1	93	G	NA
Edi-0	CS22657	6914	1	94	NA	A
Edi-0	CS6688	7111	1	94	NA	A
Oy-0	CS22658	8352	1	95	G	NA
Ws-2	CS22659	8406	1	96	A	NA

6.76 SNP AtMSQTsnp 191(chrom=3, pos=2236458, alignment id=2592, alignment start=2236406)

Table 953: SNP AtMSQTsnp 191(chromosome=3, position=2236458, alignment id=2592, alignment start=2236406)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	2	0	0	0	0	0	0	0	0	0
A	0	3	152	0	0	0	0	0	0	0	0	0
C	0	1	1	92	0	0	1	0	0	0	0	0
G	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
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 954: detailed difference for SNP AtMSQTsnp 191

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	A	NA
Zdr-6	CS22589	6985	1	26	NA	A
Zdr-6	CS22589	8410	1	26	NA	A
Bor-1	CS22590	5837	1	27	C	A
N13	CS22491	7438	1	58	C	NA
Ra-0	CS22632	6958	1	69	A	NA
Mr-0	CS6795	7429	1	77	C	AC
Mt-0	CS22642	6939	1	79	A	NA

6.77 SNP AtMSQTsnp 194(chrom=3, pos=3679541, alignment id=1632, alignment start=3679103)

Table 955: SNP AtMSQTsnp 194(chromosome=3, position=3679541, alignment id=1632, alignment start=3679103)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	0	0	0	0	0	0	0	0
A	0	5	107	0	0	1	0	0	1	0	0	0
C	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
T	0	3	0	0	0	132	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	3	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 956: detailed difference for SNP AtMSQTsnp 194

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	T	NA
Lv-1	CS22574	6043	2	11	A	NA
Bor-1	CS22590	5837	1	27	A	T
Uod-7	CS22613	6976	1	50	A	NA
Cvi-0	CS6675	7065	1	51	A	NA
Gu-0	CS22617	6922	1	54	T	NA
Yo-0	CS6901	7416	1	61	A	NA
Van-0	CS22627	6977	1	64	AT	T
Van-0	CS6884	7383	1	64	AT	T
Van-0	CS22627	8400	1	64	AT	T
Ra-0	CS22632	6958	1	69	T	NA
Mr-0	CS6795	7429	1	77	A	AT
Mt-0	CS22642	6939	1	79	A	NA

6.78 SNP AtMSQTsnp 197(chrom=3, pos=4818602, alignment id=435, alignment start=4818362)

Table 957: SNP AtMSQTsnp 197(chromosome=3, position=4818602, alignment id=435, alignment start=4818362)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	12	0	0	0	0	0	0	0	0	0
A	0	4	156	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	2	0	0	59	0	0	1	0	0	0	0
T	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
AG	0	0	3	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 958: detailed difference for SNP AtMSQTsnp 197

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	G	NA
Fb-2	CS22576	6917	1	13	NA	A
Fb-2	CS22576	8292	1	13	NA	A
N13	CS22491	7438	1	58	A	NA
Yo-0	CS6901	7416	1	61	G	NA
Van-0	CS22627	6977	1	64	AG	A
Van-0	CS6884	7383	1	64	AG	A
Van-0	CS22627	8400	1	64	AG	A
Ra-0	CS22632	6958	1	69	A	NA
Mr-0	CS6795	7429	1	77	G	AG
Mt-0	CS22642	6939	1	79	A	NA
Wa-1	CS22644	6978	1	81	NA	A
Wa-1	CS6885	7394	1	81	NA	A
Wa-1	CS22644	8403	1	81	NA	A
Se-0	CS6852	7326	1	83	A	NA
Sorbo	CS22653	6963	1	90	NA	A
Sorbo	CS931	7341	1	90	NA	A
Sorbo	CS22653	8381	1	90	NA	A
Ws-2	CS22659	6981	1	96	NA	A
Ws-2	CS2360	7399	1	96	NA	A
Ws-2	CS2360	7399	2	96	NA	A
Ws-2	CS22659	8406	1	96	NA	A

6.79 SNP AtMSQTsnp 198(chrom=3, pos=5235571, alignment id=1612, alignment start=5235221)

Table 959: SNP AtMSQTsnp 198(chromosome=3, position=5235571, alignment id=1612, alignment start=5235221)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	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
C	0	1	0	62	0	1	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	2	0	0	0	186	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 960: detailed difference for SNP AtMSQTsnp 198

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	T	NA
CIBC-5	CS22224	6730	1	39	C	T
Ra-0	CS22632	6958	1	69	T	NA
Mt-0	CS22642	6939	1	79	C	NA

6.80 SNP AtMSQTsnp 203(chrom=3, pos=6890665, alignment id=73, alignment start=6890596)

Table 961: SNP AtMSQTsnp 203(chromosome=3, position=6890665, alignment id=73, alignment start=6890596)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	12	0	0	4	0	0	0	0	0	0

A	0	7	126	0	0	0	0	0	1	0	0	0
C	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
T	0	0	1	0	0	95	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	3	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 962: detailed difference for SNP AtMSQTsnp 203

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	A	NA
Eden-2	CS22573	6913	1	10	NA	T
Eden-2	CS22573	8287	1	10	NA	T
Bil-5	CS22578	6900	1	15	NA	A
Bil-5	CS22578	8262	1	15	NA	A
Ull2-5	CS22586	6974	1	23	NA	T
Ull2-5	CS22586	8397	1	23	NA	T
CIBC-5	CS22224	6730	1	39	T	A
KZ-1	CS22435	6826	1	43	A	AT
GOT-22	CS22298	6775	1	46	NA	A
GOT-22	CS22609	6920	1	46	NA	A
Got-22	CS22609	8298	1	46	NA	A
Ren-11	CS22611	8368	1	48	A	NA
N13	CS22491	7438	1	58	A	NA
Yo-0	CS6901	7416	1	61	A	NA
An-1	CS22626	6898	1	63	NA	A
An-1	CS6603	6995	1	63	NA	A
An-1	CS22626	8253	1	63	NA	A
Van-0	CS22627	6977	1	64	AT	A
Van-0	CS6884	7383	1	64	AT	A
Van-0	CS22627	8400	1	64	AT	A
Ra-0	CS22632	6958	1	69	A	NA
Bay-0	CS22633	6899	1	70	NA	A
Bay-0	CS6608	7006	1	70	NA	A
Bay-0	CS57923	7007	1	70	NA	A
Bay-0	CS22633	8260	1	70	NA	A
Mt-0	CS22642	6939	1	79	A	NA
Se-0	CS6852	7326	1	83	A	NA

6.81 SNP AtMSQTsnp 205(chrom=3, pos=7392098, alignment id=91, alignment start=7391896)

Table 963: SNP AtMSQTsnp 205(chromosome=3, position=7392098, alignment id=91, alignment start=7391896)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	3	0	2	0	3	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0
C	0	68	0	107	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	25	0	0	0	42	0	0	0	0	2	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 964: detailed difference for SNP AtMSQTsnp 205

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
RRS-10	CS22565	8372	1	2	C	NA
Kno-10	CS22566	8317	1	3	C	NA
Kno-18	CS22567	8318	1	4	T	NA
Rmx-A02	CS22568	8370	1	5	C	NA
Rmx-A180	CS22569	8371	1	6	C	NA
Pna-17	CS22570	8359	1	7	C	NA
Pna-10	CS22571	8358	1	8	C	NA
Eden-1	CS22572	6009	4	9	C	NA

Eden-2	CS22573	8287	1	10	C	NA
Lv-1	CS22574	6043	2	11	C	NA
Lv-5	CS22575	6046	2	12	C	NA
Fb-2	CS22576	8292	1	13	C	NA
Fb-4	CS22577	8293	1	14	T	NA
Bil-5	CS22578	8262	1	15	C	NA
Bil-7	CS22579	8263	1	16	C	NA
Vr2-1	CS22580	8401	1	17	C	NA
Vr2-6	CS22581	8402	1	18	C	NA
Spr1-2	CS22582	8382	1	19	C	NA
Spr1-6	CS22583	8383	1	20	C	NA
m2-1	CS22584	8349	1	21	C	NA
m2-3	CS22585	8350	1	22	C	NA
Ull2-5	CS22586	8397	1	23	C	NA
Ull2-3	CS22587	8396	1	24	C	NA
Zdr-1	CS22588	8409	1	25	C	NA
Zdr-6	CS22589	8410	1	26	T	NA
Bor-1	CS22590	5837	2	27	C	NA
Bor-4	CS22591	8268	1	28	C	NA
Pu2-7	CS22592	8362	1	29	C	NA
Pu2-23	CS22593	8361	1	30	C	NA
Lp2-2	CS22594	8332	1	31	C	NA
Lp2-6	CS22595	8333	1	32	C	NA
HR-5	CS22596	8309	1	33	T	NA
HR-10	CS22597	8308	1	34	T	NA
NFA-8	CS22598	6944	1	35	NA	T
NFA-10	CS22599	8345	1	36	C	NA
Sq-1	CS22600	8384	1	37	T	NA
Sq-8	CS22601	8385	1	38	C	NA
CIBC-5	CS22602	8277	1	39	C	NA
CIBC-17	CS22603	8276	1	40	C	NA
Tamm-2	CS22604	8390	1	41	T	NA
Tamm-27	CS22605	8391	1	42	T	NA
KZ-1	CS22435	6826	1	43	T	CT
Kz-1	CS22606	8320	1	43	T	NA
Kz-9	CS22607	8322	1	44	C	NA
Got-7	CS22608	8299	1	45	T	NA
Got-22	CS22609	8298	1	46	T	NA
Ren-1	CS22610	8367	1	47	C	NA
Ren-11	CS22611	8368	1	48	T	NA
Uod-1	CS22612	8398	1	49	C	NA
Uod-7	CS22613	8399	1	50	C	NA
Cvi-0	CS22614	8281	1	51	T	NA
Lz-0	CS22615	8336	1	52	C	NA
Ei-2	CS22616	8289	1	53	C	NA
Gu-0	CS22617	8301	1	54	C	NA
Ler-1	CS22618	8324	1	55	C	NA
Nd-1	CS22619	8344	1	56	C	NA
C24	CS22620	8273	1	57	C	NA
N13	CS22491	8429	1	58	T	NA
Wei-0	CS22622	8404	1	59	C	NA
Ws-0	CS22623	8405	1	60	C	NA
Yo-0	CS22624	8408	1	61	C	NA
Col-0	CS22625	8279	1	62	C	NA
An-1	CS22626	8253	1	63	C	NA
Van-0	CS22627	6977	1	64	C	NA
Van-0	CS22627	8400	1	64	C	NA
Br-0	CS22628	8269	1	65	C	NA
Est-1	CS22629	8291	1	66	C	NA
Ag-0	CS22630	8251	1	67	T	NA
Gy-0	CS22631	8302	1	68	T	NA
Ra-0	CS22632	8364	1	69	C	NA
Bay-0	CS22633	8260	1	70	C	NA
Ga-0	CS22634	8295	1	71	C	NA
Mrk-0	CS22635	8339	1	72	T	NA
Mz-0	CS22636	8342	1	73	C	NA
Wt-5	CS22637	8407	1	74	C	NA
Ct-1	CS22639	8280	1	76	C	NA
Mr-0	CS6795	7429	1	77	T	CT
Mr-0	CS22640	8338	1	77	T	NA
Tsu-1	CS22641	8394	1	78	C	NA
Mt-0	CS22642	6939	1	79	C	NA
Mt-0	CS22642	8341	1	79	C	NA
Nok-3	CS22643	8347	1	80	C	NA
Wa-1	CS22644	8403	1	81	C	NA
Fei-0	CS22645	8294	1	82	T	NA
Se-0	CS22646	8379	1	83	T	NA
Ts-1	CS22647	8392	1	84	T	NA
Ts-5	CS22648	8393	1	85	T	NA
Pro-0	CS22649	8360	1	86	T	NA
LL-0	CS22650	6933	1	87	NA	T

Ll-0	CS6781	7237	1	87	NA	T
Kondara	CS22651	8319	1	88	C	NA
Shahdara	CS22652	8248	1	89	C	NA
Sorbo	CS22653	8381	1	90	C	NA
Kin-0	CS22654	8316	1	91	T	NA
Ms-0	CS22655	8340	1	92	C	NA
Bur-0	CS22656	8272	1	93	T	NA
Edi-0	CS22657	6914	1	94	NA	C
Edi-0	CS6688	7111	1	94	NA	C
Oy-0	CS22658	8352	1	95	C	NA
Ws-2	CS22659	8406	1	96	C	NA

6.82 SNP AtMSQTsnp 214(chrom=3, pos=9747261, alignment id=641, alignment start=9747158)

Table 965: SNP AtMSQTsnp 214(chromosome=3, position=9747261, alignment id=641, alignment start=9747158)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	0	0	0	0	0	0	0	0
A	0	28	78	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	55	0	0	88	0	0	0	0	0	0	0
T	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
AG	0	1	2	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 966: detailed difference for SNP AtMSQTsnp 214

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	1	9	G	NA
Eden-1	CS22572	6009	2	9	G	NA
Eden-1	CS22572	6009	4	9	G	NA
Eden-1	CS22572	6912	1	9	G	NA
Eden-2	CS22573	6913	1	10	G	NA
Lv-1	CS22574	6043	2	11	G	NA
Fb-2	CS22576	6917	1	13	G	NA
Fb-4	CS22577	6918	1	14	G	NA
Bil-5	CS22578	6900	1	15	G	NA
Bil-7	CS22579	6901	1	16	G	NA
Vr2-1	CS22580	7516	1	17	G	NA
Vr2-6	CS22581	7517	1	18	G	NA
Spr1-2	CS22582	6964	1	19	G	NA
Spr1-6	CS22583	6965	1	20	G	NA
M2-1	CS22584	7518	1	21	A	NA
M2-3	CS22585	7519	1	22	G	NA
Ull2-5	CS22586	6974	1	23	G	NA
Ull2-3	CS22587	6973	1	24	A	NA
Zdr-6	CS22589	6985	1	26	G	NA
Pu2-7	CS22592	6956	1	29	A	NA
Pu2-23	CS22453	6952	1	30	G	NA
Lp2-2	CS22594	7520	1	31	A	NA
Lp2-6	CS22595	7521	1	32	G	NA
HR-5	CS22205	6800	1	33	A	NA
HR-5	CS22596	6924	1	33	A	NA
Sq-1	CS22600	6966	1	37	G	NA
Sq-8	CS22601	6967	1	38	G	NA
CIBC-5	CS22224	6730	1	39	G	NA
CIBC-5	CS22602	6908	1	39	G	NA
CIBC-17	CS22236	6724	1	40	G	NA
CIBC-17	CS22603	6907	1	40	G	NA
Tamm-2	CS22604	6968	1	41	A	NA
Tamm-27	CS22605	6969	1	42	A	NA
KZ-1	CS22435	6826	1	43	G	NA
KZ-1	CS22606	6930	1	43	G	NA
KZ-9	CS22441	6836	1	44	A	NA
KZ-9	CS22607	6931	1	44	A	NA
REN-1	CS22253	6866	1	47	A	NA
REN-1	CS22610	6959	1	47	A	NA
Uod-7	CS22613	6976	1	50	A	NA
Cvi-0	CS6675	7065	1	51	G	NA

Lz-0	CS22615	6936	1	52	A	NA
Lz-0	CS6788	7219	1	52	A	NA
Gu-0	CS22617	6922	1	54	A	NA
Ler-1	CS22618	6932	1	55	G	NA
Ler-1	CS6928	7211	1	55	G	NA
N13	CS22621	6941	1	58	G	NA
Ws-0	CS22623	6980	1	60	A	NA
Ws-0	CS6891	7396	1	60	A	NA
Yo-0	CS6901	7416	1	61	A	NA
Van-0	CS22627	6977	1	64	AG	A
Van-0	CS6884	7383	1	64	AG	NA
Van-0	CS22627	8400	1	64	AG	A
Br-0	CS22628	6904	1	65	G	NA
Br-0	CS6626	7027	1	65	G	NA
Ag-0	CS6601	6999	1	67	A	NA
Ra-0	CS22632	6958	1	69	G	NA
Ra-0	CS6844	7312	1	69	G	NA
Mrk-0	CS22635	6937	1	72	A	NA
Mrk-0	CS6796	7247	1	72	A	NA
Mz-0	CS22636	6940	1	73	A	NA
Mz-0	CS6800	7251	1	73	A	NA
Kas-2	CS22638	6925	1	75	G	NA
Kas-2	CS6751	7184	1	75	G	NA
Mr-0	CS6795	7429	1	77	G	NA
Mr-0	CS6795	7429	2	77	G	NA
Mr-0	CS22640	7522	1	77	G	NA
Mt-0	CS22642	6939	1	79	G	NA
Mt-0	CS6799	7249	1	79	G	NA
Nok-3	CS22643	6945	1	80	G	NA
Nok-3	CS6810	7272	1	80	G	NA
Se-0	CS6852	7326	1	83	G	NA
Ts-5	CS22648	6971	1	85	G	NA
Ts-5	CS6871	7369	1	85	G	NA
LL-0	CS22650	6933	1	87	G	NA
Ll-0	CS6781	7237	1	87	G	NA
Kondara	CS22651	6929	1	88	G	NA
Kondara	CS916	7200	1	88	G	NA
Sorbo	CS22653	6963	1	90	G	NA
Sorbo	CS931	7341	1	90	G	NA
Kin-0	CS22654	6926	1	91	G	NA
Kin-0	CS6755	7193	1	91	G	NA
Edi-0	CS22657	6914	1	94	A	NA
Edi-0	CS6688	7111	1	94	A	NA
Ws-2	CS22659	6981	1	96	A	NA
Ws-2	CS2360	7399	1	96	A	NA

6.83 SNP AtMSQTsnp 220(chrom=3, pos=11398207, alignment id=1053, alignment start=11398071)

Table 967: SNP AtMSQTsnp 220(chromosome=3, position=11398207, alignment id=1053, alignment start=11398071)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	3	3	0	3	0	0	1	0	0	0	0
A	0	1	82	0	1	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	4	4	0	144	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 968: detailed difference for SNP AtMSQTsnp 220

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
RRS-10	CS22565	8372	1	2	NA	A
Eden-1	CS22572	6009	3	9	NA	G
Eden-1	CS22572	6912	1	9	NA	AG
Vr2-1	CS22580	7516	1	17	NA	A
Vr2-1	CS22580	8401	1	17	NA	A
Spr1-2	CS22582	6964	1	19	NA	G
Spr1-2	CS22582	8382	1	19	NA	G

Bor-1	CS22590	5837	1	27	G	A
Tamm-2	CS22604	6968	1	41	G	NA
Van-0	CS22627	6977	1	64	G	A
Van-0	CS6884	7383	1	64	G	A
Van-0	CS22627	8400	1	64	G	A
Mt-0	CS22642	6939	1	79	G	NA
Wa-1	CS22644	6978	1	81	G	NA
Pro-0	CS22649	8213	1	86	A	NA
Shahdara	CS22652	8248	1	89	G	NA
Ms-0	CS22655	6938	1	92	A	G

6.84 SNP AtMSQTsnp 222(chrom=3, pos=15880426, alignment id=823, alignment start=15879997)

Table 969: SNP AtMSQTsnp 222(chromosome=3, position=15880426, alignment id=823, alignment start=15879997)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	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
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	7	0	0	106	1	0	0	0	0	0	0
T	0	7	0	0	0	130	0	0	0	0	0	1
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 970: detailed difference for SNP AtMSQTsnp 222

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	T	NA
Lv-1	CS22574	6043	2	11	T	NA
Lv-1	CS22574	6934	1	11	T	NA
KZ-1	CS22435	6826	1	43	T	GT
Ren-1	CS22610	8367	1	47	G	NA
Ren-11	CS22611	8368	1	48	G	NA
Uod-7	CS22613	6976	1	50	G	NA
Cvi-0	CS6675	7065	1	51	T	NA
Gu-0	CS22617	6922	1	54	G	NA
N13	CS22491	7438	1	58	T	NA
Yo-0	CS6901	7416	1	61	G	NA
Ra-0	CS22632	6958	1	69	G	NA
Ra-0	CS6844	7312	1	69	G	NA
Mt-0	CS22642	6939	1	79	T	NA
Ts-1	CS22647	6970	1	84	T	NA
Ms-0	CS22655	6938	1	92	G	T

6.85 SNP AtMSQTsnp 223(chrom=3, pos=16489589, alignment id=2208, alignment start=16489217)

Table 971: SNP AtMSQTsnp 223(chromosome=3, position=16489589, alignment id=2208, alignment start=16489217)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	0	0	0	0	0	0	0	0
A	0	7	103	0	3	0	0	1	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	5	5	0	126	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	2	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 972: detailed difference for SNP AtMSQTsnp 223

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	A	NA
Lv-1	CS22574	6043	2	11	A	NA
Fb-2	CS22576	6917	1	13	A	NA
Bor-1	CS22590	5837	1	27	G	A
CIBC-5	CS22224	6730	1	39	A	G
CIBC-5	CS22602	6908	1	39	A	G
CIBC-5	CS22602	8277	1	39	A	G
CIBC-17	CS22236	6724	1	40	G	A
CIBC-17	CS22603	6907	1	40	G	A
CIBC-17	CS22603	8276	1	40	G	A
KZ-9	CS22607	6931	1	44	A	NA
Uod-7	CS22613	6976	1	50	G	NA
Cvi-0	CS6675	7065	1	51	A	NA
Gu-0	CS22617	6922	1	54	A	NA
Nd-1	CS1636	7266	1	56	G	NA
Yo-0	CS6901	7416	1	61	G	NA
Ra-0	CS22632	6958	1	69	G	NA
Ra-0	CS6844	7312	1	69	G	NA
Ra-0	CS22632	8364	1	69	G	A
Mr-0	CS6795	7429	1	77	A	AG
Mt-0	CS22642	6939	1	79	A	NA
Fei-0	CS22645	8215	1	82	AG	G
Fei-0	CS22645	8294	1	82	AG	G

6.86 SNP AtMSQTsnp 231(chrom=3, pos=18590671, alignment id=883, alignment start=18590590)

Table 973: SNP AtMSQTsnp 231(chromosome=3, position=18590671, alignment id=883, alignment start=18590590)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	7	0	0	0	0	0	0	0
A	0	30	64	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	9	0	0	142	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 974: detailed difference for SNP AtMSQTsnp 231

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Rmx-A180	CS22569	7525	1	6	NA	G
Rmx-A180	CS22569	8371	1	6	NA	G
Eden-1	CS22572	6009	4	9	G	NA
Lv-1	CS22574	6043	2	11	A	NA
Lv-5	CS22575	6046	2	12	A	NA
Bil-5	CS22578	6900	1	15	NA	G
Bil-5	CS22578	8262	1	15	NA	G
Spr1-6	CS22583	8383	1	20	A	NA
HR-10	CS22597	8308	1	34	A	NA
NFA-10	CS22599	8345	1	36	A	NA
Sq-1	CS22600	8384	1	37	A	NA
Sq-8	CS22601	8385	1	38	A	NA
CIBC-5	CS22602	8277	1	39	A	NA
Tamm-2	CS22604	6968	1	41	G	NA
Ren-11	CS22611	8368	1	48	G	NA
Uod-1	CS22612	8398	1	49	A	NA
Uod-7	CS22613	8399	1	50	A	NA
Lz-0	CS22615	8336	1	52	A	NA
Ei-2	CS22616	8289	1	53	A	NA
Ler-1	CS6928	7211	1	55	G	NA
C24	CS22620	8273	1	57	A	NA
An-1	CS22626	8253	1	63	A	NA
Br-0	CS6626	7027	1	65	A	NA
Br-0	CS22628	8269	1	65	A	NA
Est-1	CS6701	7129	1	66	A	NA
Est-1	CS22629	8291	1	66	A	NA

Ag-0	CS22630	8251	1	67	A	NA
Gy-0	CS22631	8302	1	68	A	NA
Ra-0	CS22632	8364	1	69	A	NA
Bay-0	CS22633	8260	1	70	A	NA
Wt-5	CS22637	8407	1	74	A	NA
Tsu-1	CS22641	8394	1	78	A	NA
Mt-0	CS22642	6939	1	79	G	NA
Mt-0	CS6799	7249	1	79	G	NA
Wa-1	CS22644	6978	1	81	G	NA
Fei-0	CS22645	8294	1	82	A	NA
Se-0	CS22646	8379	1	83	A	NA
Ts-1	CS22647	8392	1	84	A	NA
Ts-5	CS22648	8393	1	85	A	NA
Pro-0	CS22649	8213	1	86	G	NA
LL-0	CS22650	8328	1	87	A	NA
Shahdara	CS22652	8248	1	89	G	NA
Kin-0	CS22654	8316	1	91	A	NA
Ms-0	CS22655	6938	1	92	NA	G
Ms-0	CS6797	7254	1	92	NA	G
Ms-0	CS22655	8340	1	92	NA	G

6.87 SNP AtMSQTsnp 232(chrom=3, pos=18980664, alignment id=829, alignment start=18980171)

Table 975: SNP AtMSQTsnp 232(chromosome=3, position=18980664, alignment id=829, alignment start=18980171)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	0	0	0	0	0	0	0	0
A	0	54	77	0	0	0	22	0	0	0	0	0
C	0	3	0	95	0	0	1	0	0	0	0	0
G	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
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 976: detailed difference for SNP AtMSQTsnp 232

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
KNO-10	CS22410	6809	1	3	A	AC
KNO-10	CS22566	6927	1	3	A	NA
KNO-18	CS22418	6817	1	4	A	AC
KNO-18	CS22567	6928	1	4	A	NA
Kno-18	CS22567	8318	1	4	A	NA
Rmx-A02	CS22568	7524	1	5	A	AC
Pna-17	CS22570	7523	1	7	A	NA
Pna-10	CS22571	7526	1	8	A	AC
Pna-10	CS22571	8358	1	8	A	NA
Eden-1	CS22572	6009	4	9	A	NA
Lv-1	CS22574	6934	1	11	A	NA
Lv-5	CS22575	6046	2	12	A	NA
Lv-5	CS22575	6935	1	12	A	NA
Ull2-5	CS22586	8397	1	23	A	NA
Zdr-1	CS22588	6984	1	25	A	AC
Zdr-1	CS22588	8409	1	25	A	NA
Bor-1	CS22590	5837	1	27	A	NA
Bor-1	CS22590	6902	1	27	A	NA
Bor-4	CS22591	6903	1	28	A	NA
NFA-10	CS22599	6943	1	36	A	AC
Sq-8	CS22601	6967	1	38	A	NA
Tamm-2	CS22604	6968	1	41	A	NA
GOT-7	CS22608	6921	1	45	A	NA
Got-7	CS22608	8299	1	45	A	NA
GOT-22	CS22298	6775	1	46	A	AC
GOT-22	CS22609	6920	1	46	A	NA
REN-11	CS22263	6867	1	48	A	NA
REN-11	CS22611	6960	1	48	A	NA
Ren-11	CS22611	8368	1	48	A	NA
Ei-2	CS22616	6915	1	53	A	AC
Ei-2	CS6689	7112	1	53	A	AC
Gu-0	CS22617	6922	1	54	A	NA

Gu-0	CS6730	7149	1	54	A	AC
Nd-1	CS22619	6942	1	56	A	AC
Nd-1	CS1636	7266	1	56	A	AC
Nd-1	CS6922	7267	1	56	A	NA
C24	CS22620	6906	1	57	A	NA
C24	CS906	7059	1	57	A	NA
Wei-0	CS22622	6979	1	59	A	AC
Wei-0	CS6182	7402	1	59	A	AC
Wei-0	CS22622	8404	1	59	A	NA
Yo-0	CS22624	6983	1	61	A	NA
Yo-0	CS6901	7416	1	61	A	NA
Col-0	CS22625	6909	1	62	A	NA
Col-0	CS6673	7082	1	62	A	NA
Br-0	CS6626	7027	1	65	A	NA
Est-1	CS22629	6916	1	66	A	AC
Est-1	CS6701	7129	1	66	A	NA
Est-1	CS22629	8291	1	66	A	NA
Ag-0	CS22630	6897	1	67	A	NA
Ra-0	CS22632	6958	1	69	A	NA
Ra-0	CS6844	7312	1	69	A	AC
Ra-0	CS22632	8364	1	69	A	NA
Bay-0	CS22633	6899	1	70	A	NA
Bay-0	CS6608	7006	1	70	A	NA
Bay-0	CS57923	7007	1	70	A	AC
Bay-0	CS22633	8260	1	70	A	NA
Ga-0	CS22634	6919	1	71	A	NA
Ga-0	CS6714	7140	1	71	A	AC
Ga-0	CS22634	8295	1	71	A	NA
Mz-0	CS22636	8342	1	73	A	NA
Mr-0	CS6795	7429	1	77	C	AC
Tsu-1	CS22641	6972	1	78	A	AC
Tsu-1	CS6926	7374	1	78	A	NA
Tsu-1	CS22641	8394	1	78	A	NA
Mt-0	CS22642	6939	1	79	A	NA
Wa-1	CS22644	6978	1	81	C	NA
Fei-0	CS22645	8215	1	82	A	AC
Fei-0	CS22645	8294	1	82	A	NA
Se-0	CS22646	6961	1	83	A	NA
Se-0	CS6852	7326	1	83	A	NA
Se-0	CS22646	8379	1	83	A	NA
Ts-1	CS22647	6970	1	84	A	AC
Ts-1	CS6868	7366	1	84	A	NA
Pro-0	CS22649	8213	1	86	C	NA
Shahdara	CS22652	8248	1	89	C	NA
Edi-0	CS22657	8288	1	94	A	NA
Oy-0	CS22658	6946	1	95	A	AC
Oy-0	CS6824	7288	1	95	A	NA
Ws-2	CS2360	7399	2	96	A	NA

6.88 SNP AtMSQTsnp 235(chrom=3, pos=19930624, alignment id=833, alignment start=19930188)

Table 977: SNP AtMSQTsnp 235(chromosome=3, position=19930624, alignment id=833, alignment start=19930188)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	0	0	0	0	0	0	0	0
A	0	59	96	0	0	0	0	2	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	37	1	0	57	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 978: detailed difference for SNP AtMSQTsnp 235

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
RRS-10	CS22565	8372	1	2	A	NA
Kno-10	CS22566	8317	1	3	A	NA
Kno-18	CS22567	8318	1	4	G	NA
Rmx-A02	CS22568	8370	1	5	G	NA

Rmx-A180	CS22569	8371	1	6	G	NA
Pna-17	CS22570	8359	1	7	A	NA
Pna-10	CS22571	8358	1	8	A	NA
Eden-1	CS22572	6009	4	9	A	NA
Eden-2	CS22573	8287	1	10	A	NA
Lv-1	CS22574	6043	2	11	A	NA
Lv-5	CS22575	6046	2	12	A	NA
Fb-2	CS22576	8292	1	13	A	NA
Fb-4	CS22577	8293	1	14	A	NA
Bil-5	CS22578	8262	1	15	A	NA
Bil-7	CS22579	8263	1	16	A	NA
Vr2-1	CS22580	8401	1	17	A	NA
Vr2-6	CS22581	8402	1	18	G	NA
Spr1-2	CS22582	8382	1	19	A	NA
Spr1-6	CS22583	8383	1	20	G	NA
m2-1	CS22584	8349	1	21	A	NA
m2-3	CS22585	8350	1	22	A	NA
Ull2-5	CS22586	8397	1	23	A	NA
Ull2-3	CS22587	8396	1	24	A	NA
Zdr-1	CS22588	8409	1	25	A	NA
Zdr-6	CS22589	8410	1	26	A	NA
Bor-1	CS22590	5837	2	27	A	NA
Bor-4	CS22591	8268	1	28	A	NA
Pu2-7	CS22592	8362	1	29	A	NA
Pu2-23	CS22593	8361	1	30	A	NA
Lp2-2	CS22594	8332	1	31	A	NA
Lp2-6	CS22595	8333	1	32	A	NA
HR-5	CS22596	8309	1	33	A	NA
HR-10	CS22597	8308	1	34	G	NA
NFA-8	CS22598	8346	1	35	G	NA
NFA-10	CS22599	8345	1	36	A	NA
Sq-1	CS22600	8384	1	37	A	NA
Sq-8	CS22601	8385	1	38	A	NA
CIBC-5	CS22224	6730	1	39	G	A
CIBC-5	CS22602	8277	1	39	G	NA
CIBC-17	CS22603	8276	1	40	A	NA
Tamm-2	CS22604	8390	1	41	A	NA
Tamm-27	CS22605	8391	1	42	A	NA
KZ-1	CS22435	6826	1	43	A	AG
Kz-1	CS22606	8320	1	43	A	NA
Kz-9	CS22607	8322	1	44	G	NA
Got-7	CS22608	8299	1	45	A	NA
Got-22	CS22609	8298	1	46	A	NA
Ren-1	CS22610	8367	1	47	A	NA
Ren-11	CS22611	8368	1	48	G	NA
Uod-1	CS22612	8398	1	49	A	NA
Uod-7	CS22613	8399	1	50	G	NA
Cvi-0	CS22614	8281	1	51	G	NA
Lz-0	CS22615	8336	1	52	G	NA
Ei-2	CS22616	8289	1	53	G	NA
Gu-0	CS22617	8301	1	54	G	NA
Ler-1	CS22618	8324	1	55	A	NA
Nd-1	CS22619	8344	1	56	G	NA
C24	CS22620	8273	1	57	G	NA
N13	CS22491	8429	1	58	A	NA
Wei-0	CS22622	8404	1	59	A	NA
Ws-0	CS22623	8405	1	60	A	NA
Yo-0	CS22624	8408	1	61	A	NA
Col-0	CS22625	8279	1	62	A	NA
An-1	CS22626	8253	1	63	A	NA
Van-0	CS22627	6977	1	64	G	NA
Van-0	CS22627	8400	1	64	G	NA
Br-0	CS22628	8269	1	65	G	NA
Est-1	CS22629	8291	1	66	A	NA
Ag-0	CS22630	8251	1	67	G	NA
Gy-0	CS22631	8302	1	68	G	NA
Ra-0	CS22632	8364	1	69	G	NA
Bay-0	CS22633	8260	1	70	A	NA
Ga-0	CS22634	8295	1	71	G	NA
Mrk-0	CS22635	8339	1	72	A	NA
Mz-0	CS22636	8342	1	73	G	NA
Wt-5	CS22637	8407	1	74	G	NA
Ct-1	CS22639	8280	1	76	A	NA
Mr-0	CS6795	7429	1	77	A	AG
Mr-0	CS22640	8338	1	77	A	NA
Tsu-1	CS22641	8394	1	78	G	NA
Mt-0	CS22642	6939	1	79	G	NA
Mt-0	CS22642	8341	1	79	G	NA
Nok-3	CS22643	8347	1	80	A	NA
Wa-1	CS22644	8403	1	81	A	NA
Fei-0	CS22645	8294	1	82	G	NA

Se-0	CS22646	8379	1	83	G	NA
Ts-1	CS22647	8392	1	84	G	NA
Ts-5	CS22648	8393	1	85	G	NA
Pro-0	CS22649	8360	1	86	G	NA
LL-0	CS22650	8328	1	87	A	NA
Kondara	CS22651	8319	1	88	A	NA
Shahdara	CS22652	8248	1	89	G	NA
Sorbo	CS22653	8381	1	90	A	NA
Kin-0	CS22654	8316	1	91	G	NA
Ms-0	CS22655	8340	1	92	G	NA
Bur-0	CS22656	8272	1	93	A	NA
Edi-0	CS22657	8288	1	94	A	NA
Oy-0	CS22658	8352	1	95	A	NA
Ws-2	CS22659	8406	1	96	A	NA

6.89 SNP AtMSQTsnp 237(chrom=3, pos=20483289, alignment id=1645, alignment start=20482976)

Table 979: SNP AtMSQTsnp 237(chromosome=3, position=20483289, alignment id=1645, alignment start=20482976)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	0	4	0	0	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0
C	0	24	0	150	0	0	0	0	0	0	1	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	30	0	0	0	39	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	2	0	0	0	1	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 980: detailed difference for SNP AtMSQTsnp 237

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Kno-10	CS22566	8317	1	3	T	NA
Rmx-A02	CS22568	8370	1	5	T	NA
Rmx-A180	CS22569	8371	1	6	T	NA
Pna-17	CS22570	8359	1	7	T	NA
Eden-1	CS22572	6009	1	9	T	NA
Eden-1	CS22572	6009	4	9	T	NA
Eden-2	CS22573	8287	1	10	T	NA
Lv-1	CS22574	6043	1	11	NA	C
Lv-1	CS22574	6934	1	11	NA	C
Lv-5	CS22575	6046	2	12	C	NA
Fb-2	CS22576	6917	1	13	NA	C
Fb-2	CS22576	8292	1	13	NA	C
Vr2-1	CS22580	8401	1	17	T	NA
Vr2-6	CS22581	8402	1	18	T	NA
Spr1-6	CS22583	8383	1	20	T	NA
m2-1	CS22584	8349	1	21	C	NA
Pu2-23	CS22593	8361	1	30	C	NA
Lp2-2	CS22594	8332	1	31	C	NA
HR-10	CS22597	8308	1	34	C	NA
Sq-1	CS22600	8384	1	37	C	NA
Tamm-2	CS22604	8390	1	41	T	NA
Tamm-27	CS22605	8391	1	42	T	NA
Kz-1	CS22606	8320	1	43	C	NA
REN-1	CS22253	6866	1	47	C	NA
Ren-1	CS22610	8367	1	47	C	NA
Ren-11	CS22611	8368	1	48	C	NA
Cvi-0	CS22614	8281	1	51	C	NA
Ler-1	CS22618	8324	1	55	C	NA
N13	CS22491	7438	1	58	T	NA
N13	CS22491	8429	1	58	T	NA
Wei-0	CS22622	8404	1	59	C	NA
Ws-0	CS22623	8405	1	60	T	NA
Yo-0	CS22624	8408	1	61	T	NA
Col-0	CS22625	8279	1	62	C	NA
An-1	CS22626	8253	1	63	C	NA
Van-0	CS22627	6977	1	64	CT	NA
Van-0	CS6884	7383	1	64	CT	T
Van-0	CS22627	8400	1	64	CT	NA

Br-0	CS22628	8269	1	65	C	NA
Gy-0	CS22631	8302	1	68	C	NA
Ra-0	CS22632	6958	1	69	T	NA
Ra-0	CS22632	8364	1	69	T	NA
Bay-0	CS57923	7007	1	70	T	NA
Bay-0	CS22633	8260	1	70	T	NA
Mrk-0	CS22635	8339	1	72	C	NA
Wt-5	CS22637	8407	1	74	C	NA
Mr-0	CS6795	7429	1	77	C	CT
Tsu-1	CS22641	8394	1	78	T	NA
Mt-0	CS22642	6939	1	79	T	NA
Mt-0	CS22642	8341	1	79	T	NA
Wa-1	CS22644	8403	1	81	C	NA
Se-0	CS22646	8379	1	83	T	NA
Ts-5	CS22648	8393	1	85	T	NA
Pro-0	CS22649	8360	1	86	T	NA
LL-0	CS22650	8328	1	87	C	NA
Shahdara	CS22652	8248	1	89	C	NA
Sorbo	CS22653	8381	1	90	C	NA
Kin-0	CS22654	8316	1	91	T	NA
Bur-0	CS22656	6905	1	93	T	NA
Bur-0	CS22656	8272	1	93	T	NA
Edi-0	CS22657	8288	1	94	C	NA
Ws-2	CS22659	8406	1	96	T	NA

6.90 SNP AtMSQTsnp 242(chrom=3, pos=21632608, alignment id=138, alignment start=21632379)

Table 981: SNP AtMSQTsnp 242(chromosome=3, position=21632608, alignment id=138, alignment start=21632379)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	0	6	0	0	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0
C	0	6	0	161	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	1	0	1	0	72	0	0	0	0	1	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	3	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 982: detailed difference for SNP AtMSQTsnp 242

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	C	NA
Bil-5	CS22578	6900	1	15	NA	C
Bil-5	CS22578	8262	1	15	NA	C
Bil-7	CS22579	6901	1	16	NA	C
Bil-7	CS22579	8263	1	16	NA	C
CIBC-5	CS22224	6730	1	39	T	C
Ren-11	CS22611	8368	1	48	C	NA
Yo-0	CS6901	7416	1	61	C	NA
Van-0	CS22627	6977	1	64	CT	C
Van-0	CS6884	7383	1	64	CT	C
Van-0	CS22627	8400	1	64	CT	C
Ag-0	CS6601	6999	1	67	NA	C
Ag-0	CS22630	8251	1	67	NA	C
Ra-0	CS22632	6958	1	69	T	NA
Mr-0	CS6795	7429	1	77	T	CT
Mt-0	CS22642	6939	1	79	C	NA
Mt-0	CS6799	7249	1	79	C	NA
Se-0	CS6852	7326	1	83	C	NA

6.91 SNP AtMSQTsnp 244(chrom=3, pos=23053878, alignment id=1662, alignment start=23053771)

Table 983: SNP AtMSQTsnp 244(chromosome=3, position=23053878, alignment id=1662, alignment start=23053771)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	5	0	7	0	0	0	0	0	0	0
A	0	8	145	0	2	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	2	3	0	73	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 984: detailed difference for SNP AtMSQTsnp 244

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Pna-10	CS22571	7526	1	8	NA	G
Pna-10	CS22571	8358	1	8	NA	G
Eden-1	CS22572	6009	4	9	A	NA
Vr2-6	CS22581	7517	1	18	NA	A
Vr2-6	CS22581	8402	1	18	NA	A
Zdr-6	CS22589	6985	1	26	A	NA
Pu2-7	CS22592	6956	1	29	A	NA
HR-10	CS22597	6923	1	34	NA	G
HR-10	CS22597	8308	1	34	NA	G
CIBC-5	CS22602	6908	1	39	A	G
CIBC-5	CS22602	8277	1	39	A	G
CIBC-17	CS22236	6724	1	40	G	A
CIBC-17	CS22603	6907	1	40	G	A
CIBC-17	CS22603	8276	1	40	G	A
Tamm-2	CS22604	6968	1	41	A	NA
Tamm-27	CS22605	6969	1	42	A	NA
REN-11	CS22263	6867	1	48	NA	G
REN-11	CS22611	6960	1	48	NA	G
Ren-11	CS22611	8368	1	48	NA	G
Ei-2	CS22616	6915	1	53	A	NA
Mt-0	CS22642	6939	1	79	G	NA
Wa-1	CS22644	6978	1	81	A	NA
Pro-0	CS22649	8213	1	86	G	NA
Shahdara	CS22652	8248	1	89	A	NA
Sorbo	CS22653	6963	1	90	NA	A
Sorbo	CS931	7341	1	90	NA	A
Sorbo	CS22653	8381	1	90	NA	A

6.92 SNP AtMSQTsnp 249(chrom=4, pos=1055234, alignment id=482, alignment start=1055093)

Table 985: SNP AtMSQTsnp 249(chromosome=4, position=1055234, alignment id=482, alignment start=1055093)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	0	0	0	0	0	0	0	0
A	0	4	173	0	1	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	4	0	0	67	0	0	0	0	0	0	0
T	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
AG	0	0	3	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 986: detailed difference for SNP AtMSQTsnp 249

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	G	NA
Lv-1	CS22574	6043	2	11	G	NA
Bor-1	CS22590	5837	1	27	A	G
Uod-7	CS22613	6976	1	50	G	NA
Cvi-0	CS6675	7065	1	51	A	NA

Gu-0	CS22617	6922	1	54	A	NA
Yo-0	CS6901	7416	1	61	A	NA
Ra-0	CS22632	6958	1	69	G	NA
Mt-0	CS22642	6939	1	79	A	NA
Ms-0	CS22655	6938	1	92	AG	A
Ms-0	CS6797	7254	1	92	AG	A
Ms-0	CS22655	8340	1	92	AG	A

6.93 SNP AtMSQTsnp 254(chrom=4, pos=2441217, alignment id=233, alignment start=2440917)

Table 987: SNP AtMSQTsnp 254(chromosome=4, position=2441217, alignment id=233, alignment start=2440917)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	14	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	3	0	0	0	0	0	0	0	0
A	0	6	84	0	0	0	1	0	0	0	0	0
C	0	4	1	139	0	0	0	0	0	0	0	0
G	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
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 988: detailed difference for SNP AtMSQTsnp 254

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	A	NA
Eden-1	CS22572	6912	1	9	A	NA
Eden-2	CS22573	6913	1	10	-	NA
Eden-2	CS22573	8287	1	10	-	NA
Spr1-2	CS22582	6964	1	19	-	NA
Spr1-2	CS22582	8382	1	19	-	NA
Bor-1	CS22590	5837	1	27	C	A
Tamm-2	CS22604	6968	1	41	C	NA
KZ-9	CS22441	6836	1	44	-	NA
KZ-9	CS22607	6931	1	44	-	NA
Kz-9	CS22607	8322	1	44	-	NA
Ren-11	CS22611	8368	1	48	C	NA
Wt-5	CS22637	6982	1	74	NA	C
Wt-5	CS6896	7410	1	74	NA	C
Wt-5	CS22637	8407	1	74	NA	C
Mr-0	CS6795	7429	1	77	A	AC
Mt-0	CS22642	6939	1	79	A	NA
Wa-1	CS22644	6978	1	81	C	NA
Pro-0	CS22649	8213	1	86	C	NA
Kondara	CS22651	6929	1	88	-	NA
Kondara	CS916	7200	1	88	-	NA
Kondara	CS22651	8319	1	88	-	NA
Shahdara	CS22652	8248	1	89	-	NA
Sorbo	CS22653	6963	1	90	-	NA
Sorbo	CS931	7341	1	90	-	NA
Sorbo	CS22653	8381	1	90	-	NA
Ms-0	CS22655	6938	1	92	A	NA
Ms-0	CS6797	7254	1	92	A	NA
Ms-0	CS22655	8340	1	92	A	NA

6.94 SNP AtMSQTsnp 260(chrom=4, pos=5775707, alignment id=933, alignment start=5775541)

Table 989: SNP AtMSQTsnp 260(chromosome=4, position=5775707, alignment id=933, alignment start=5775541)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	8	7	0	0	0	0	0	0	0	0
A	0	6	70	0	0	0	0	0	0	0	0	0
C	0	3	2	135	0	0	1	0	0	0	0	0
G	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
AC	0	0	3	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 990: detailed difference for SNP AtMSQTsnp 260

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
KNO-10	CS22410	6809	1	3	NA	A
KNO-10	CS22566	6927	1	3	NA	A
Kno-10	CS22566	8317	1	3	NA	A
Eden-1	CS22572	6009	4	9	A	NA
Eden-2	CS22573	6913	1	10	NA	C
Eden-2	CS22573	8287	1	10	NA	C
Lv-1	CS22574	6043	2	11	A	NA
Vr2-6	CS22581	7517	1	18	NA	C
Vr2-6	CS22581	8402	1	18	NA	C
Zdr-1	CS22588	6984	1	25	C	A
Zdr-1	CS22588	8409	1	25	C	A
Tamm-27	CS22605	6969	1	42	NA	A
Tamm-27	CS22605	8391	1	42	NA	A
Cvi-0	CS6675	7065	1	51	C	NA
Gu-0	CS22617	6922	1	54	A	NA
Ler-1	CS6928	7211	1	55	A	NA
Nd-1	CS1636	7266	1	56	C	NA
Wei-0	CS22622	6979	1	59	NA	C
Wei-0	CS6182	7402	1	59	NA	C
Wei-0	CS22622	8404	1	59	NA	C
Yo-0	CS6901	7416	1	61	A	NA
Van-0	CS22627	6977	1	64	AC	A
Van-0	CS6884	7383	1	64	AC	A
Van-0	CS22627	8400	1	64	AC	A
Est-1	CS22629	6916	1	66	NA	A
Est-1	CS6701	7129	1	66	NA	A
Est-1	CS22629	8291	1	66	NA	A
Ra-0	CS22632	6958	1	69	C	NA
Mr-0	CS6795	7429	1	77	C	AC
Mt-0	CS22642	6939	1	79	A	NA

6.95 SNP AtMSQTsnp 263(chrom=4, pos=7077926, alignment id=495, alignment start=7077771)

Table 991: SNP AtMSQTsnp 263(chromosome=4, position=7077926, alignment id=495, alignment start=7077771)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	6	0	3	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0
C	0	2	0	77	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	3	0	1	0	151	0	0	0	0	1	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 992: detailed difference for SNP AtMSQTsnp 263

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
KNO-10	CS22410	6809	1	3	NA	T
KNO-10	CS22566	6927	1	3	NA	T
Kno-10	CS22566	8317	1	3	NA	T
Eden-1	CS22572	6009	4	9	T	NA
Bor-1	CS22590	5837	1	27	T	C
Pu2-23	CS22593	6951	1	30	NA	C
Pu2-23	CS22453	6952	1	30	NA	C
Pu2-23	CS22593	8361	1	30	NA	C
KZ-1	CS22435	6826	1	43	NA	C

KZ-1	CS22606	6930	1	43	NA	C
Kz-1	CS22606	8320	1	43	NA	C
REN-1	CS22253	6866	1	47	T	NA
Yo-0	CS6901	7416	1	61	T	NA
Ra-0	CS22632	6958	1	69	C	NA
Mr-0	CS6795	7429	1	77	T	CT
Mt-0	CS22642	6939	1	79	C	NA

6.96 SNP AtMSQTsnp 266(chrom=4, pos=8078648, alignment id=238, alignment start=8078388)

Table 993: SNP AtMSQTsnp 266(chromosome=4, position=8078648, alignment id=238, alignment start=8078388)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	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
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	1	0	0	73	1	0	0	0	0	0	0
T	0	2	0	0	0	169	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	1	0	0	2	3	0	0	0	0	0	0

Table 994: detailed difference for SNP AtMSQTsnp 266

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	T	NA
CIBC-5	CS22224	6730	1	39	G	T
REN-11	CS22263	6867	1	48	GT	G
REN-11	CS22611	6960	1	48	GT	G
Ren-11	CS22611	8368	1	48	GT	NA
Van-0	CS22627	6977	1	64	GT	T
Van-0	CS6884	7383	1	64	GT	T
Van-0	CS22627	8400	1	64	GT	T
Ra-0	CS22632	6958	1	69	G	NA
Mt-0	CS22642	6939	1	79	T	NA

6.97 SNP AtMSQTsnp 267(chrom=4, pos=8297960, alignment id=499, alignment start=8297594)

Table 995: SNP AtMSQTsnp 267(chromosome=4, position=8297960, alignment id=499, alignment start=8297594)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	2	0	0	0	1	0	0	0	0	1	0
A	0	0	0	0	0	0	0	0	0	0	0	0
C	0	17	0	54	0	0	0	0	0	0	25	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	28	0	0	0	49	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	1	0	2	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 996: detailed difference for SNP AtMSQTsnp 267

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Rmx-A02	CS22568	7524	1	5	NA	CT
Pna-17	CS22570	7523	1	7	C	CT
Pna-17	CS22570	8359	1	7	C	NA
Pna-10	CS22571	7526	1	8	C	CT
Eden-1	CS22572	6009	4	9	T	NA

Eden-2	CS22573	8287	1	10	T	NA
Lv-1	CS22574	6043	2	11	T	NA
Lv-5	CS22575	6046	2	12	T	NA
Fb-2	CS22576	8292	1	13	T	NA
Fb-4	CS22577	8293	1	14	T	NA
Bil-5	CS22578	8262	1	15	T	NA
Bil-7	CS22579	8263	1	16	T	NA
Vr2-1	CS22580	7516	1	17	NA	T
Spr1-2	CS22582	8382	1	19	T	NA
m2-1	CS22584	8349	1	21	C	NA
M2-3	CS22585	7519	1	22	C	CT
m2-3	CS22585	8350	1	22	C	NA
Zdr-6	CS22589	6985	1	26	C	CT
Zdr-6	CS22589	8410	1	26	C	NA
HR-5	CS22596	8309	1	33	T	NA
NFA-8	CS22598	8346	1	35	T	NA
NFA-10	CS22599	8345	1	36	T	NA
CIBC-5	CS22224	6730	1	39	T	NA
CIBC-17	CS22236	6724	1	40	C	CT
CIBC-17	CS22603	6907	1	40	C	CT
Tamm-2	CS22604	8390	1	41	T	NA
Tamm-27	CS22605	8391	1	42	T	NA
Kz-1	CS22606	8320	1	43	C	NA
GOT-7	CS22608	6921	1	45	C	CT
GOT-22	CS22298	6775	1	46	C	CT
GOT-22	CS22609	6920	1	46	C	CT
Got-22	CS22609	8298	1	46	C	NA
REN-1	CS22253	6866	1	47	C	CT
REN-1	CS22610	6959	1	47	C	CT
REN-11	CS22263	6867	1	48	C	CT
REN-11	CS22611	6960	1	48	C	CT
Ren-11	CS22611	8368	1	48	C	NA
Uod-7	CS22613	6976	1	50	C	CT
Cvi-0	CS22614	8281	1	51	C	NA
Ei-2	CS22616	8289	1	53	T	NA
Gu-0	CS22617	8301	1	54	T	NA
Ler-1	CS22618	8324	1	55	C	NA
N13	CS22491	8429	1	58	T	NA
Wei-0	CS22622	8404	1	59	T	NA
Ws-0	CS22623	6980	1	60	C	CT
Ws-0	CS6891	7396	1	60	C	CT
Ws-0	CS22623	8405	1	60	C	NA
Col-0	CS22625	8279	1	62	T	NA
An-1	CS22626	8253	1	63	T	NA
Van-0	CS22627	6977	1	64	CT	NA
Van-0	CS6884	7383	1	64	CT	C
Van-0	CS22627	8400	1	64	CT	C
Br-0	CS22628	6904	1	65	C	CT
Br-0	CS6626	7027	1	65	C	CT
Br-0	CS22628	8269	1	65	C	NA
Est-1	CS22629	8291	1	66	T	NA
Ag-0	CS22630	6897	1	67	C	CT
Ag-0	CS6601	6999	1	67	C	CT
Gy-0	CS22631	8302	1	68	T	NA
Mz-0	CS22636	8342	1	73	T	NA
Ct-1	CS22639	8280	1	76	T	NA
Mr-0	CS6795	7429	1	77	C	CT
Mt-0	CS22642	6939	1	79	C	NA
Mt-0	CS22642	8341	1	79	C	NA
Wa-1	CS22644	8403	1	81	C	NA
Fei-0	CS22645	8294	1	82	T	NA
Se-0	CS22646	6961	1	83	C	CT
Se-0	CS6852	7326	1	83	C	CT
Ts-1	CS22647	8392	1	84	C	NA
Ts-5	CS22648	6971	1	85	C	CT
Ts-5	CS6871	7369	1	85	C	CT
Ts-5	CS22648	8393	1	85	C	NA
Pro-0	CS22649	8360	1	86	T	NA
Oy-0	CS22658	8352	1	95	C	NA
Ws-2	CS22659	8406	1	96	T	NA

6.98 SNP AtMSQTsnp 274(chrom=4, pos=9213312, alignment id=2778, alignment start=9213072)

Table 997: SNP AtMSQTsnp 274(chromosome=4, position=9213312, alignment id=2778, alignment start=9213072)

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

-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	7	1	0	0	0	0	0	0
A	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
G	0	11	0	0	160	5	0	0	0	0	0	1
T	0	13	0	0	8	192	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 998: detailed difference for SNP AtMSQTsnp 274

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Pna-17	CS22570	7523	1	7	G	NA
Eden-1	CS22572	6009	4	9	T	NA
Lv-1	CS22574	6043	2	11	T	NA
Lv-1	CS22574	6934	1	11	T	NA
Ren-11	CS22611	8368	1	48	G	NA
Uod-7	CS22613	6976	1	50	G	NA
Cvi-0	CS6675	7065	1	51	G	NA
Gu-0	CS22617	6922	1	54	G	NA
Ler-1	CS6928	7211	1	55	T	NA
N13	CS22491	7438	1	58	G	NA
Yo-0	CS6901	7416	1	61	T	NA
Ra-0	CS22632	6958	1	69	T	NA
Ra-0	CS6844	7312	1	69	T	NA
Kas-2	CS22638	6925	1	75	G	NA
Mr-0	CS6795	7429	1	77	G	GT
Tsu-1	CS6926	7374	1	78	G	NA
Mt-0	CS22642	6939	1	79	T	NA
Mt-0	CS6799	7249	1	79	T	NA
Se-0	CS6852	7326	1	83	T	NA
NC-6		8246	1	294	T	G
Sf-1	CS6855	7327	1	300	G	T
Sf-1	N6855	8380	1	300	G	T
PHW-34	N6034	8244	1	304	T	G
Hs-0	N1237	8310	1	308	G	NA
Is-0	CS6741	7175	1	309	T	NA
Jm-0	CS6748	7177	1	310	T	NA
Blh-1	CS6645	7034	1	317	G	T
Co	N3180	8278	1	321	T	NA
Lip-0	CS6780	7235	1	326	T	G
Na-1	CS6801	7257	1	330	T	G
Per-1	CS6828	7293	1	334	NA	G
Per-1	N1445	8354	1	334	NA	G
Pi-0	CS6832	7298	1	336	T	G
Pi-0	N1455	8356	1	336	T	G
Rubezhnoe-1	CS927	7323	1	339	G	NA
Sap-0	CS6854	7339	1	341	T	G
Lom1-1		6042	1	351	NA	G
Lom1-1		6042	2	351	NA	T
Di-0	CS6680	7097	1	352	G	NA
Gul1-2		8234	1	356	G	T
Stu1-1		6088	1	363	G	T
Lis-1		8326	1	365	NA	G
Lis-2		8222	1	366	NA	G
Lis-2		8222	2	366	NA	G
HSm		8236	1	380	NA	G
DraII-1		8284	1	381	T	G

6.99 SNP AtMSQTsnp 278(chrom=4, pos=9377790, alignment id=2783, alignment start=9377549)

Table 999: SNP AtMSQTsnp 278(chromosome=4, position=9377790, alignment id=2783, alignment start=9377549)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	2	17	0	31	0	0	0	0	0	0	0
A	0	12	102	0	4	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	9	3	0	217	0	0	0	0	0	0	0
T	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
AG	0	0	1	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1000: detailed difference for SNP AtMSQTsnp 278

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
RRS-10	CS22565	8372	1	2	A	NA
Eden-1	CS22572	6009	4	9	G	NA
Lv-1	CS22574	6043	2	11	G	NA
Bil-5	CS22578	6900	1	15	A	NA
Bil-5	CS22578	8262	1	15	A	NA
Bor-1	CS22590	5837	1	27	G	A
NFA-10	CS22599	6943	1	36	A	NA
CIBC-5	CS22224	6730	1	39	G	A
Uod-7	CS22613	6976	1	50	A	NA
Cvi-0	CS6675	7065	1	51	G	NA
Gu-0	CS22617	6922	1	54	G	NA
Nd-1	CS22619	6942	1	56	NA	G
Nd-1	CS6922	7267	1	56	NA	G
Nd-1	CS22619	8344	1	56	NA	G
C24	CS22620	8273	1	57	G	NA
Yo-0	CS6901	7416	1	61	G	NA
Col-0	CS22625	8279	1	62	A	NA
Ra-0	CS22632	6958	1	69	A	NA
Mt-0	CS22642	6939	1	79	A	NA
Ws-2	CS22659	6981	1	96	NA	G
Ws-2	CS2360	7399	1	96	NA	G
Ws-2	CS2360	7399	2	96	NA	G
Ws-2	CS22659	8406	1	96	NA	G
NC-6		8246	1	294	G	A
Dem-4		8233	1	297	NA	A
Sf-1	CS6855	7327	1	300	A	G
Sf-1	N6855	8380	1	300	A	G
Gr-1	N1199	8300	1	302	A	NA
Gd-1	CS6716	7161	1	306	A	NA
Hi-0	CS6736	7167	1	307	NA	A
Hi-0	N1227	8304	1	307	NA	A
Hs-0	N1237	8310	1	308	G	NA
Jm-0	CS6748	7177	1	310	G	NA
PHW-2	CS6044	7489	1	313	NA	A
PHW-2	N6002	8243	1	313	NA	A
Seattle-0	N6187	8245	1	314	NA	G
Co	CS3180	7081	1	321	NA	A
H55	N923	8303	1	323	G	NA
Lu-1	CS1352	7243	1	328	NA	G
Lu-1	N1353	8334	1	328	NA	G
Mir-0	CS6798	7253	1	329	NA	A
Mir-0	N1379	8337	1	329	NA	A
Nw-0	CS6811	7258	1	331	NA	G
Nw-0	N1409	8348	1	331	NA	G
Pla-0	CS6834	7300	1	337	NA	G
Pla-0	N1459	8357	1	337	NA	G
Rak-2	CS6846	7311	1	338	NA	A
Rak-2	N1485	8365	1	338	NA	G
Rubezhnoe-1	CS927	7323	1	339	NA	G
Rubezhnoe-1	N927	8375	1	339	NA	G
Santa Clara	CS8069	7329	1	340	NA	A
Santa Clara	N8069	8377	1	340	NA	A
Sap-0	CS6854	7339	1	341	NA	G
Sap-0	N1507	8378	1	341	NA	G
Stw-0	CS6865	7347	1	343	NA	G
Stw-0	N1539	8388	1	343	NA	G
Ta-0	CS6867	7349	1	344	NA	G
Ta-0	N1549	8389	1	344	NA	G
Tu-0	CS6875	7375	1	345	NA	G
Tu-0	N1567	8395	1	345	NA	G
Fly2-2		6024	1	346	NA	A
Lom1-1		6042	1	351	A	NA
Lom1-1		6042	2	351	A	G
Di-0	CS6680	7097	1	352	NA	A
Lill-1		8242	1	353	NA	G
Gul1-2		8234	1	356	NA	A
B1-2		8256	1	357	NA	G
B5-1		8259	1	360	NA	G
Dra3-1		8283	1	361	NA	A

Kni-1		6040	1	362	NA	A
Kni-1		6040	2	362	NA	A
Lis-2		8222	1	366	NA	G
Lis-2		8222	2	366	NA	G
Kulturen-1		8240	1	372	A	NA
Sr:5		8386	1	377	NA	G
Duk		6008	2	378	A	G
DraII-1		8284	1	381	AG	A

6.100 SNP AtMSQTsnp 279(chrom=4, pos=9580049, alignment id=2788, alignment start=9579976)

Table 1001: SNP AtMSQTsnp 279(chromosome=4, position=9580049, alignment id=2788, alignment start=9579976)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	0	19	0	27	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0
C	0	1	0	109	0	4	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	7	0	3	0	225	0	0	0	0	1	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	1	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1002: detailed difference for SNP AtMSQTsnp 279

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
RRS-10	CS22565	8372	1	2	NA	T
KNO-10	CS22410	6809	1	3	NA	T
KNO-10	CS22566	6927	1	3	NA	T
Kno-10	CS22566	8317	1	3	NA	T
Eden-1	CS22572	6009	4	9	C	NA
Zdr-1	CS22588	6984	1	25	NA	C
Zdr-1	CS22588	8409	1	25	NA	C
KZ-1	CS22435	6826	1	43	T	CT
REN-11	CS22263	6867	1	48	NA	C
REN-11	CS22611	6960	1	48	NA	C
Yo-0	CS6901	7416	1	61	T	NA
Ag-0	CS22630	6897	1	67	T	NA
Ra-0	CS22632	6958	1	69	T	NA
Mt-0	CS22642	6939	1	79	T	NA
Kent		8238	1	289	NA	T
Lund		8335	1	292	NA	T
BG-2	CS22342	6709	1	299	NA	T
Bg-2	CS22342	8261	1	299	NA	T
Ang-0	CS6605	6992	1	303	C	T
Bu-0	CS6632	7036	1	305	NA	T
Bu-0	N1007	8271	1	305	NA	T
Hi-0	CS6736	7167	1	307	NA	C
Hi-0	N1227	8304	1	307	NA	T
Hs-0	CS6905	7162	1	308	NA	T
Hs-0	N1237	8310	1	308	NA	T
Is-0	CS6741	7175	1	309	NA	C
Is-0	N1241	8312	1	309	NA	C
PHW-2	CS6044	7489	1	313	NA	C
PHW-2	N6002	8243	1	313	NA	C
Alc-0	CS1656	6988	1	315	NA	T
Alc-0	N1656	8252	1	315	NA	T
Bla-1	CS6616	7015	1	316	NA	T
Bla-1	N971	8264	1	316	NA	T
Co	CS3180	7081	1	321	NA	T
Co	N3180	8278	1	321	NA	T
In-0	CS6740	7174	1	324	NA	T
In-0	N1239	8311	1	324	NA	T
Lip-0	CS6780	7235	1	326	C	T
Nw-0	CS6811	7258	1	331	NA	T
Nw-0	N1409	8348	1	331	NA	T
Ost-0	CS1430	7285	1	332	NA	C
Ost-0	N1431	8351	1	332	NA	C
Pa-1	CS6825	7290	1	333	T	C
Pi-0	CS6832	7298	1	336	C	T

Pi-0	N1455	8356	1	336	C	T
Pla-0	CS6834	7300	1	337	NA	C
Pla-0	N1459	8357	1	337	NA	C
Rak-2	CS6846	7311	1	338	T	C
Rubezhnoe-1	CS927	7323	1	339	NA	T
Rubezhnoe-1	N927	8375	1	339	NA	T
Sap-0	CS6854	7339	1	341	T	C
St-0	CS6863	7348	1	342	T	NA
Stw-0	CS6865	7347	1	343	T	NA
Tu-0	CS6875	7375	1	345	NA	C
Tu-0	N1567	8395	1	345	NA	C
Hov4-1		8306	1	348	NA	C
Di-0	CS6680	7097	1	352	T	NA
B4-1		8258	1	359	NA	C
B5-1		8259	1	360	NA	C
Nyl-2		6064	1	375	NA	T
Nyl-2		6064	2	375	NA	T
Sanna-2		8376	1	376	NA	C
DraII-1		8284	1	381	CT	T

6.101 SNP AtMSQTsnp 281(chrom=4, pos=10482088, alignment id=956, alignment start=10482038)

Table 1003: SNP AtMSQTsnp 281(chromosome=4, position=10482088, alignment id=956, alignment start=10482038)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	2	0	8	0	11	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0
C	0	4	0	114	0	4	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	3	0	1	0	104	0	0	0	0	1	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1004: detailed difference for SNP AtMSQTsnp 281

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	C	NA
Lv-1	CS22574	6043	1	11	NA	T
Spr1-6	CS22583	6965	1	20	NA	C
Spr1-6	CS22583	8383	1	20	NA	C
CIBC-5	CS22224	6730	1	39	C	T
REN-1	CS22253	6866	1	47	T	C
REN-1	CS22610	6959	1	47	T	CT
Uod-7	CS22613	6976	1	50	T	NA
Cvi-0	CS6675	7065	1	51	T	NA
Gu-0	CS22617	6922	1	54	C	NA
Ws-0	CS22623	6980	1	60	NA	C
Ws-0	CS6891	7396	1	60	NA	C
Ws-0	CS22623	8405	1	60	NA	C
Yo-0	CS6901	7416	1	61	T	NA
Van-0	CS22627	6977	1	64	C	T
Van-0	CS6884	7383	1	64	C	T
Van-0	CS22627	8400	1	64	C	T
Est-1	CS22629	6916	1	66	NA	T
Est-1	CS6701	7129	1	66	NA	T
Est-1	CS22629	8291	1	66	NA	T
Ra-0	CS22632	6958	1	69	C	NA
Bay-0	CS22633	6899	1	70	NA	T
Bay-0	CS6608	7006	1	70	NA	T
Bay-0	CS57923	7007	1	70	NA	T
Bay-0	CS22633	8260	1	70	NA	T
Mrk-0	CS22635	6937	1	72	NA	C
Mrk-0	CS6796	7247	1	72	NA	C
Mrk-0	CS22635	8339	1	72	NA	C
Wt-5	CS22637	6982	1	74	NA	T
Wt-5	CS6896	7410	1	74	NA	T
Wt-5	CS22637	8407	1	74	NA	T
Mt-0	CS22642	6939	1	79	C	NA

6.102 SNP AtMSQTsnp 282(chrom=4, pos=10659455, alignment id=505, alignment start=10659034)

Table 1005: SNP AtMSQTsnp 282(chromosome=4, position=10659455, alignment id=505, alignment start=10659034)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	0	5	0	0	0	0	0	0
A	0	2	69	0	0	0	0	0	1	0	0	0
C	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
T	0	7	0	0	0	163	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	1	0	0	0	0	0	1	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1006: detailed difference for SNP AtMSQTsnp 282

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
KNO-10	CS22410	6809	1	3	NA	T
KNO-10	CS22566	6927	1	3	NA	T
Kno-10	CS22566	8317	1	3	NA	T
Eden-1	CS22572	6009	4	9	A	NA
Lv-1	CS22574	6043	2	11	T	NA
Fb-4	CS22577	6918	1	14	AT	A
Lp2-2	CS22594	7520	1	31	NA	T
Lp2-2	CS22594	8332	1	31	NA	T
KZ-1	CS22435	6826	1	43	A	AT
Ren-11	CS22611	8368	1	48	T	NA
Uod-7	CS22613	6976	1	50	T	NA
Cvi-0	CS6675	7065	1	51	T	NA
Gu-0	CS22617	6922	1	54	T	NA
Yo-0	CS6901	7416	1	61	A	NA
Ra-0	CS22632	6958	1	69	T	NA
Mt-0	CS22642	6939	1	79	T	NA

6.103 SNP AtMSQTsnp 285(chrom=4, pos=11326190, alignment id=507, alignment start=11325921)

Table 1007: SNP AtMSQTsnp 285(chromosome=4, position=11326190, alignment id=507, alignment start=11325921)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	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
C	0	2	0	80	0	2	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	1	0	0	0	153	0	0	0	0	1	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	1	0	4	0	0	0	0	1	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1008: detailed difference for SNP AtMSQTsnp 285

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	C	NA
CIBC-5	CS22224	6730	1	39	C	T
REN-1	CS22253	6866	1	47	C	T
REN-11	CS22263	6867	1	48	CT	T
REN-11	CS22611	6960	1	48	CT	C
Van-0	CS22627	6977	1	64	CT	T
Van-0	CS6884	7383	1	64	CT	T
Van-0	CS22627	8400	1	64	CT	T

Ra-0	CS22632	6958	1	69	C	NA
Mr-0	CS6795	7429	1	77	T	CT
Mt-0	CS22642	6939	1	79	T	NA

6.104 SNP AtMSQTsnp 286(chrom=4, pos=11580143, alignment id=1019, alignment start=11579700)

Table 1009: SNP AtMSQTsnp 286(chromosome=4, position=11580143, alignment id=1019, alignment start=11579700)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	0	2	0	0	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0
C	0	56	0	89	2	0	0	0	0	0	0	0
G	0	40	0	0	62	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1010: detailed difference for SNP AtMSQTsnp 286

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
RRS-10	CS22565	8372	1	2	G	NA
Kno-10	CS22566	8317	1	3	G	NA
Kno-18	CS22567	8318	1	4	G	NA
Rmx-A02	CS22568	8370	1	5	C	NA
Rmx-A180	CS22569	8371	1	6	C	NA
Pna-17	CS22570	8359	1	7	G	NA
Pna-10	CS22571	8358	1	8	G	NA
Eden-1	CS22572	6009	4	9	C	NA
Eden-2	CS22573	8287	1	10	C	NA
Lv-1	CS22574	6043	2	11	C	NA
Lv-5	CS22575	6046	2	12	C	NA
Fb-2	CS22576	8292	1	13	C	NA
Fb-4	CS22577	8293	1	14	C	NA
Bil-5	CS22578	8262	1	15	G	NA
Bil-7	CS22579	8263	1	16	G	NA
Vr2-1	CS22580	8401	1	17	C	NA
Vr2-6	CS22581	8402	1	18	C	NA
Spr1-2	CS22582	8382	1	19	G	NA
Spr1-6	CS22583	8383	1	20	C	NA
m2-1	CS22584	8349	1	21	C	NA
m2-3	CS22585	8350	1	22	C	NA
Ull2-5	CS22586	8397	1	23	C	NA
Ull2-3	CS22587	8396	1	24	G	NA
Zdr-1	CS22588	8409	1	25	G	NA
Zdr-6	CS22589	8410	1	26	C	NA
Bor-1	CS22590	5837	1	27	C	G
Bor-1	CS22590	5837	2	27	C	NA
Bor-4	CS22591	8268	1	28	G	NA
Pu2-7	CS22592	8362	1	29	C	NA
Pu2-23	CS22593	8361	1	30	C	NA
Lp2-2	CS22594	8332	1	31	G	NA
Lp2-6	CS22595	8333	1	32	C	NA
HR-5	CS22596	8309	1	33	C	NA
HR-10	CS22597	8308	1	34	C	NA
NFA-8	CS22598	8346	1	35	C	NA
NFA-10	CS22599	8345	1	36	G	NA
Sq-1	CS22600	8384	1	37	C	NA
Sq-8	CS22601	8385	1	38	C	NA
CIBC-5	CS22224	6730	1	39	C	G
CIBC-5	CS22602	8277	1	39	C	NA
CIBC-17	CS22603	8276	1	40	G	NA
Tamm-2	CS22604	8390	1	41	G	NA
Tamm-27	CS22605	8391	1	42	G	NA
Kz-1	CS22606	8320	1	43	C	NA
Kz-9	CS22607	8322	1	44	C	NA
Got-7	CS22608	8299	1	45	G	NA
Got-22	CS22609	8298	1	46	G	NA
REN-1	CS22253	6866	1	47	C	NA
Ren-1	CS22610	8367	1	47	C	NA

Ren-11	CS22611	8368	1	48	C	NA
Uod-1	CS22612	8398	1	49	C	NA
Uod-7	CS22613	8399	1	50	G	NA
Cvi-0	CS22614	6911	1	51	NA	C
Cvi-0	CS6675	7065	1	51	NA	C
Lz-0	CS22615	8336	1	52	C	NA
Ei-2	CS22616	8289	1	53	G	NA
Gu-0	CS22617	8301	1	54	C	NA
Ler-1	CS22618	8324	1	55	C	NA
Nd-1	CS22619	8344	1	56	G	NA
C24	CS22620	8273	1	57	G	NA
N13	CS22491	8429	1	58	C	NA
Wei-0	CS22622	8404	1	59	G	NA
Ws-0	CS22623	8405	1	60	C	NA
Yo-0	CS22624	8408	1	61	G	NA
Col-0	CS22625	8279	1	62	G	NA
An-1	CS22626	8253	1	63	G	NA
Van-0	CS22627	6977	1	64	C	NA
Van-0	CS22627	8400	1	64	C	NA
Br-0	CS22628	8269	1	65	C	NA
Est-1	CS22629	8291	1	66	C	NA
Ag-0	CS22630	8251	1	67	G	NA
Gy-0	CS22631	8302	1	68	C	NA
Ra-0	CS22632	8364	1	69	C	NA
Bay-0	CS22633	8260	1	70	G	NA
Ga-0	CS22634	8295	1	71	C	NA
Mrk-0	CS22635	8339	1	72	G	NA
Mz-0	CS22636	8342	1	73	G	NA
Wt-5	CS22637	8407	1	74	G	NA
Ct-1	CS22639	8280	1	76	C	NA
Mr-0	CS22640	8338	1	77	C	NA
Tsu-1	CS22641	8394	1	78	G	NA
Mt-0	CS22642	6939	1	79	G	NA
Mt-0	CS22642	8341	1	79	G	NA
Nok-3	CS22643	8347	1	80	G	NA
Wa-1	CS22644	8403	1	81	G	NA
Fei-0	CS22645	8294	1	82	C	NA
Se-0	CS22646	8379	1	83	G	NA
Ts-1	CS22647	8392	1	84	C	NA
Ts-5	CS22648	8393	1	85	C	NA
Pro-0	CS22649	8360	1	86	G	NA
LL-0	CS22650	8328	1	87	C	NA
Kondara	CS22651	8319	1	88	C	NA
Shahdara	CS22652	8248	1	89	C	NA
Sorbo	CS22653	8381	1	90	C	NA
Kin-0	CS22654	8316	1	91	C	NA
Ms-0	CS22655	8340	1	92	C	NA
Bur-0	CS22656	8272	1	93	C	NA
Edi-0	CS22657	8288	1	94	G	NA
Oy-0	CS22658	8352	1	95	G	NA
Ws-2	CS22659	8406	1	96	C	NA

6.105 SNP AtMSQTsnp 288(chrom=4, pos=11984772, alignment id=1376, alignment start=11984495)

Table 1011: SNP AtMSQTsnp 288(chromosome=4, position=11984772, alignment id=1376, alignment start=11984495)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	3	0	7	0	0	0	0	0	0	0
A	0	8	105	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	3	1	0	124	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1012: detailed difference for SNP AtMSQTsnp 288

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call

Rmx-A02	CS22568	7524	1	5	NA	G
Rmx-A02	CS22568	8370	1	5	NA	G
Eden-1	CS22572	6009	4	9	A	NA
Eden-1	CS22572	6912	1	9	A	NA
Lv-1	CS22574	6043	1	11	NA	G
Lv-1	CS22574	6043	2	11	NA	G
Lv-1	CS22574	6934	1	11	NA	G
Fb-4	CS22577	6918	1	14	NA	G
Fb-4	CS22577	8293	1	14	NA	G
M2-1	CS22584	7518	1	21	NA	A
m2-1	CS22584	8349	1	21	NA	A
Bor-1	CS22590	5837	1	27	G	A
Pu2-7	CS22592	8362	1	29	NA	A
HR-5	CS22205	6800	1	33	A	NA
Tamm-2	CS22604	6968	1	41	G	NA
Ler-1	CS6928	7211	1	55	A	NA
N13	CS22491	7438	1	58	A	NA
Br-0	CS6626	7027	1	65	A	NA
Mt-0	CS22642	6939	1	79	G	NA
Wa-1	CS22644	6978	1	81	A	NA
Pro-0	CS22649	8213	1	86	A	NA
Shahdara	CS22652	8248	1	89	G	NA

6.106 SNP AtMSQTsnp 292(chrom=4, pos=12404111, alignment id=2534, alignment start=12403706)

Table 1013: SNP AtMSQTsnp 292(chromosome=4, position=12404111, alignment id=2534, alignment start=12403706)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	2	0	4	0	6	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0
C	0	4	0	84	0	1	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	5	0	3	0	143	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1014: detailed difference for SNP AtMSQTsnp 292

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Pna-10	CS22571	7526	1	8	NA	C
Pna-10	CS22571	8358	1	8	NA	C
Eden-1	CS22572	6009	4	9	T	NA
Lv-1	CS22574	6043	1	11	NA	T
Lv-1	CS22574	6934	1	11	NA	T
CIBC-5	CS22224	6730	1	39	C	T
Ren-1	CS22610	8367	1	47	C	NA
Ren-11	CS22611	8368	1	48	T	NA
Uod-7	CS22613	6976	1	50	T	NA
Cvi-0	CS22614	6911	1	51	NA	C
Cvi-0	CS22614	8281	1	51	NA	C
Gu-0	CS22617	6922	1	54	T	NA
Yo-0	CS6901	7416	1	61	C	NA
Ra-0	CS22632	6958	1	69	C	NA
Ra-0	CS6844	7312	1	69	C	NA
Ct-1	CS22639	6910	1	76	T	C
Ct-1	CS6674	7067	1	76	T	C
Ct-1	CS22639	8280	1	76	T	C
Mt-0	CS22642	6939	1	79	T	NA
Ws-2	CS22659	6981	1	96	NA	T
Ws-2	CS2360	7399	1	96	NA	T
Ws-2	CS2360	7399	2	96	NA	T
Ws-2	CS22659	8406	1	96	NA	T

6.107 SNP AtMSQTsnp 294(chrom=4, pos=13576588, alignment id=960, alignment start=13576336)

Table 1015: SNP AtMSQTsnp 294(chromosome=4, position=13576588, alignment id=960, alignment start=13576336)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	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
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	7	0	0	143	0	0	0	0	0	0	0
T	0	16	0	0	1	85	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1016: detailed difference for SNP AtMSQTsnp 294

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	T	NA
Lv-1	CS22574	6043	2	11	G	NA
Fb-2	CS22576	6917	1	13	T	NA
Fb-4	CS22577	6918	1	14	T	NA
M2-3	CS22585	7519	1	22	T	NA
Bor-1	CS22590	5837	1	27	T	G
Lp2-2	CS22594	7520	1	31	T	NA
REN-1	CS22610	6959	1	47	T	NA
Uod-7	CS22613	6976	1	50	T	NA
Cvi-0	CS6675	7065	1	51	T	NA
Gu-0	CS22617	6922	1	54	G	NA
Nd-1	CS1636	7266	1	56	T	NA
Ws-0	CS22623	6980	1	60	T	NA
Ws-0	CS6891	7396	1	60	T	NA
Yo-0	CS6901	7416	1	61	T	NA
Ra-0	CS22632	6958	1	69	G	NA
Ra-0	CS6844	7312	1	69	G	NA
Kas-2	CS22638	6925	1	75	G	NA
Mr-0	CS6795	7429	1	77	G	NA
Mt-0	CS22642	6939	1	79	T	NA
Se-0	CS6852	7326	1	83	G	NA
Kondara	CS916	7200	1	88	T	NA
Sorbo	CS22653	6963	1	90	T	NA
Sorbo	CS931	7341	1	90	T	NA

6.108 SNP AtMSQTsnp 300(chrom=4, pos=15765120, alignment id=1685, alignment start=15764920)

Table 1017: SNP AtMSQTsnp 300(chromosome=4, position=15765120, alignment id=1685, alignment start=15764920)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	0	0	0	0	0	0	0	0
A	0	2	138	0	1	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	1	0	0	109	0	0	1	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1018: detailed difference for SNP AtMSQTsnp 300

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	G	NA
Bor-1	CS22590	5837	1	27	A	G
Ra-0	CS22632	6958	1	69	A	NA
Mr-0	CS6795	7429	1	77	G	AG
Mt-0	CS22642	6939	1	79	A	NA

6.109 SNP AtMSQTsnp 304(chrom=4, pos=16272521, alignment id=2262, alignment start=16272270)

Table 1019: SNP AtMSQTsnp 304(chromosome=4, position=16272521, alignment id=2262, alignment start=16272270)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	2	0	15	0	14	0	0	0	0	1	0
A	0	0	0	0	0	0	0	0	0	0	0	0
C	0	12	0	78	0	4	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	3	0	0	0	119	0	0	0	0	2	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1020: detailed difference for SNP AtMSQTsnp 304

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	T	NA
Fb-4	CS22577	6918	1	14	NA	T
Fb-4	CS22577	8293	1	14	NA	C
Vr2-6	CS22581	8402	1	18	T	NA
Pu2-7	CS22592	6956	1	29	C	NA
HR-5	CS22596	6924	1	33	T	CT
CIBC-5	CS22224	6730	1	39	C	T
CIBC-5	CS22602	6908	1	39	C	T
CIBC-5	CS22602	8277	1	39	C	T
CIBC-17	CS22236	6724	1	40	NA	C
CIBC-17	CS22603	6907	1	40	NA	C
CIBC-17	CS22603	8276	1	40	NA	C
Tamm-2	CS22604	6968	1	41	C	NA
Tamm-27	CS22605	6969	1	42	C	NA
KZ-1	CS22606	6930	1	43	C	NA
KZ-9	CS22441	6836	1	44	C	NA
REN-1	CS22253	6866	1	47	NA	T
REN-1	CS22610	6959	1	47	NA	C
Ren-1	CS22610	8367	1	47	NA	CT
Lz-0	CS22615	6936	1	52	C	NA
Ler-1	CS6928	7211	1	55	T	CT
Br-0	CS22628	6904	1	65	NA	T
Br-0	CS22628	8269	1	65	NA	T
Est-1	CS22629	6916	1	66	NA	C
Est-1	CS6701	7129	1	66	NA	C
Est-1	CS22629	8291	1	66	NA	C
Mrk-0	CS22635	6937	1	72	NA	C
Mrk-0	CS6796	7247	1	72	NA	C
Mrk-0	CS22635	8339	1	72	NA	C
Mz-0	CS22636	6940	1	73	C	NA
Mr-0	CS6795	7429	1	77	C	NA
Mt-0	CS6799	7249	1	79	NA	T
Mt-0	CS22642	8341	1	79	NA	T
Nok-3	CS22643	6945	1	80	NA	T
Nok-3	CS6810	7272	1	80	NA	T
Nok-3	CS22643	8347	1	80	NA	T
Wa-1	CS22644	6978	1	81	C	NA
Fei-0	CS22645	8215	1	82	NA	T
Fei-0	CS22645	8294	1	82	NA	T
Se-0	CS22646	6961	1	83	NA	T
Se-0	CS6852	7326	1	83	NA	T
Se-0	CS22646	8379	1	83	NA	T
Pro-0	CS22649	8213	1	86	T	NA
Kondara	CS22651	6929	1	88	C	NA
Shahdara	CS22652	8248	1	89	C	NA
Sorbo	CS931	7341	1	90	C	NA
Ms-0	CS6797	7254	1	92	C	T
Ws-2	CS22659	6981	1	96	NA	C
Ws-2	CS2360	7399	1	96	NA	C
Ws-2	CS2360	7399	2	96	NA	C
Ws-2	CS22659	8406	1	96	NA	C

6.110 SNP AtMSQTsnp 306(chrom=4, pos=16742071, alignment id=2714, alignment start=16741855)

Table 1021: SNP AtMSQTsnp 306(chromosome=4, position=16742071, alignment id=2714, alignment start=16741855)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	4	0	40	23	0	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0
C	0	4	0	94	1	0	0	0	0	0	0	0
G	0	5	0	2	68	0	0	0	0	2	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	3	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1022: detailed difference for SNP AtMSQTsnp 306

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Pna-10	CS22571	7526	1	8	NA	C
Pna-10	CS22571	8358	1	8	NA	C
Eden-1	CS22572	6009	4	9	G	NA
Vr2-1	CS22580	7516	1	17	C	NA
Ull2-5	CS22586	6974	1	23	NA	G
Ull2-5	CS22586	8397	1	23	NA	G
Zdr-6	CS22589	8410	1	26	NA	C
Lp2-6	CS22595	7521	1	32	NA	C
Lp2-6	CS22595	8333	1	32	NA	C
HR-5	CS22205	6800	1	33	C	NA
CIBC-5	CS22602	6908	1	39	G	C
CIBC-5	CS22602	8277	1	39	G	C
CIBC-17	CS22236	6724	1	40	NA	G
CIBC-17	CS22603	6907	1	40	NA	G
CIBC-17	CS22603	8276	1	40	NA	G
Tamm-2	CS22604	6968	1	41	G	NA
KZ-1	CS22435	6826	1	43	G	CG
GOT-22	CS22298	6775	1	46	CG	G
GOT-22	CS22609	6920	1	46	CG	G
Got-22	CS22609	8298	1	46	CG	G
REN-1	CS22253	6866	1	47	C	G
Ren-11	CS22611	8368	1	48	C	NA
Cvi-0	CS22614	6911	1	51	NA	G
Cvi-0	CS6675	7065	1	51	NA	G
Cvi-0	CS22614	8281	1	51	NA	G
Lz-0	CS22615	6936	1	52	G	NA
Ler-1	CS6928	7211	1	55	G	NA
C24	CS22620	6906	1	57	NA	C
C24	CS906	7059	1	57	NA	C
C24	CS22620	8273	1	57	NA	C
N13	CS22621	6941	1	58	NA	G
N13	CS22491	7438	1	58	NA	G
N13	CS22491	8429	1	58	NA	G
Wei-0	CS22622	6979	1	59	NA	C
Wei-0	CS6182	7402	1	59	NA	C
Wei-0	CS22622	8404	1	59	NA	C
Yo-0	CS22624	6983	1	61	NA	C
Yo-0	CS6901	7416	1	61	NA	C
Yo-0	CS22624	8408	1	61	NA	C
Van-0	CS22627	6977	1	64	NA	C
Van-0	CS6884	7383	1	64	NA	C
Van-0	CS22627	8400	1	64	NA	C
Br-0	CS22628	6904	1	65	NA	C
Br-0	CS22628	8269	1	65	NA	C
Ag-0	CS22630	6897	1	67	NA	C
Ag-0	CS6601	6999	1	67	NA	C
Ag-0	CS22630	8251	1	67	NA	C
Mrk-0	CS22635	6937	1	72	NA	C
Mrk-0	CS6796	7247	1	72	NA	C
Mrk-0	CS22635	8339	1	72	NA	C
Mz-0	CS6800	7251	1	73	NA	G
Mz-0	CS22636	8342	1	73	NA	G
Wt-5	CS22637	6982	1	74	NA	C
Wt-5	CS6896	7410	1	74	NA	C
Wt-5	CS22637	8407	1	74	NA	C
Mr-0	CS6795	7429	1	77	G	CG

Mt-0	CS6799	7249	1	79	NA	G
Mt-0	CS22642	8341	1	79	NA	G
Wa-1	CS22644	6978	1	81	C	NA
Fei-0	CS22645	8215	1	82	NA	C
Fei-0	CS22645	8294	1	82	NA	C
Se-0	CS22646	6961	1	83	NA	C
Se-0	CS6852	7326	1	83	NA	C
Se-0	CS22646	8379	1	83	NA	C
Ts-1	CS22647	6970	1	84	NA	C
Ts-1	CS6868	7366	1	84	NA	C
Ts-1	CS22647	8392	1	84	NA	C
Pro-0	CS22649	8213	1	86	G	NA
Kin-0	CS22654	6926	1	91	NA	C
Kin-0	CS6755	7193	1	91	NA	C
Kin-0	CS22654	8316	1	91	NA	C
Ms-0	CS22655	6938	1	92	NA	G
Ms-0	CS6797	7254	1	92	NA	C
Ms-0	CS22655	8340	1	92	NA	G
Bur-0	CS22656	6905	1	93	NA	G
Bur-0	CS6643	7058	1	93	NA	G
Bur-0	CS22656	8272	1	93	NA	G
Oy-0	CS22658	6946	1	95	NA	G
Oy-0	CS6824	7288	1	95	NA	G
Oy-0	CS22658	8352	1	95	NA	G

6.111 SNP AtMSQTsnp 307(chrom=4, pos=17038400, alignment id=2205, alignment start=17038096)

Table 1023: SNP AtMSQTsnp 307(chromosome=4, position=17038400, alignment id=2205, alignment start=17038096)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	0	0	0	0	0	0	0	0
A	0	1	96	0	0	3	0	0	0	0	0	0
C	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
T	0	5	4	0	0	128	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1024: detailed difference for SNP AtMSQTsnp 307

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	T	NA
Fb-4	CS22577	8293	1	14	T	A
CIBC-5	CS22602	6908	1	39	T	A
CIBC-5	CS22602	8277	1	39	T	A
CIBC-17	CS22236	6724	1	40	A	T
CIBC-17	CS22603	6907	1	40	A	T
CIBC-17	CS22603	8276	1	40	A	T
Tamm-2	CS22604	6968	1	41	T	NA
Mt-0	CS22642	6939	1	79	T	NA
Wa-1	CS22644	6978	1	81	T	NA
Pro-0	CS22649	8213	1	86	A	NA
Shahdara	CS22652	8248	1	89	T	NA
Ms-0	CS6797	7254	1	92	T	A

6.112 SNP AtMSQTsnp 310(chrom=4, pos=17608924, alignment id=1999, alignment start=17608717)

Table 1025: SNP AtMSQTsnp 310(chromosome=4, position=17608924, alignment id=1999, alignment start=17608717)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	13	11	0	0	0	0	0	0	0	0
A	0	6	126	0	0	0	0	0	0	0	0	0
C	0	1	2	92	0	0	0	0	0	0	0	0

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

Table 1026: detailed difference for SNP AtMSQTsnp 310

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Pna-10	CS22571	7526	1	8	NA	C
Pna-10	CS22571	8358	1	8	NA	C
Eden-1	CS22572	6009	4	9	A	NA
Eden-2	CS22573	6913	1	10	NA	A
Eden-2	CS22573	8287	1	10	NA	A
Bil-7	CS22579	6901	1	16	NA	A
Bil-7	CS22579	8263	1	16	NA	A
Vr2-6	CS22581	7517	1	18	NA	C
Vr2-6	CS22581	8402	1	18	NA	C
Ull2-3	CS22587	6973	1	24	NA	A
Ull2-3	CS22587	8396	1	24	NA	A
Bor-1	CS22590	5837	1	27	C	A
Tamm-2	CS22604	6968	1	41	A	NA
REN-1	CS22253	6866	1	47	C	A
Ren-11	CS22611	8368	1	48	C	NA
Nd-1	CS22619	6942	1	56	NA	C
Nd-1	CS1636	7266	1	56	NA	C
Nd-1	CS6922	7267	1	56	NA	C
Nd-1	CS22619	8344	1	56	NA	C
Mt-0	CS22642	6939	1	79	A	NA
Mt-0	CS6799	7249	1	79	A	NA
Nok-3	CS22643	6945	1	80	NA	C
Nok-3	CS6810	7272	1	80	NA	C
Nok-3	CS22643	8347	1	80	NA	C
Wa-1	CS6885	7394	1	81	NA	A
Wa-1	CS22644	8403	1	81	NA	A
Fei-0	CS22645	8215	1	82	NA	A
Fei-0	CS22645	8294	1	82	NA	A
Pro-0	CS22649	8213	1	86	A	NA
Kondara	CS22651	6929	1	88	NA	A
Kondara	CS916	7200	1	88	NA	A
Kondara	CS22651	8319	1	88	NA	A
Shahdara	CS22652	8248	1	89	A	NA

6.113 SNP AtMSQTsnp 312(chrom=4, pos=17803781, alignment id=1985, alignment start=17803605)

Table 1027: SNP AtMSQTsnp 312(chromosome=4, position=17803781, alignment id=1985, alignment start=17803605)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	2	0	4	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0
C	0	1	0	71	0	2	0	0	0	0	1	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	11	0	0	0	160	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1028: detailed difference for SNP AtMSQTsnp 312

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Pna-10	CS22571	7526	1	8	NA	T
Pna-10	CS22571	8358	1	8	NA	T
Eden-1	CS22572	6009	4	9	T	NA
Lv-1	CS22574	6043	2	11	T	NA
Bil-7	CS22579	6901	1	16	NA	T

Bil-7	CS22579	8263	1	16	NA	T
Ull2-3	CS22587	6973	1	24	NA	C
Ull2-3	CS22587	8396	1	24	NA	C
CIBC-5	CS22224	6730	1	39	C	T
Uod-7	CS22613	6976	1	50	C	NA
Cvi-0	CS6675	7065	1	51	T	NA
Gu-0	CS22617	6922	1	54	T	NA
Ler-1	CS6928	7211	1	55	T	NA
Nd-1	CS1636	7266	1	56	T	NA
Yo-0	CS6901	7416	1	61	T	NA
Ra-0	CS22632	6958	1	69	T	NA
Mt-0	CS22642	6939	1	79	T	NA
Mt-0	CS6799	7249	1	79	T	NA
Se-0	CS6852	7326	1	83	C	CT
Ts-1	CS22647	6970	1	84	T	NA
Ms-0	CS6797	7254	1	92	C	T

6.114 SNP AtMSQTsnp 315(chrom=4, pos=18560343, alignment id=2289, alignment start=18560103)

Table 1029: SNP AtMSQTsnp 315(chromosome=4, position=18560343, alignment id=2289, alignment start=18560103)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	5	0	0	35	0	0	0	0	0	0
A	0	0	51	0	0	0	0	0	1	0	0	0
C	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
T	0	7	2	0	0	143	0	0	1	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1030: detailed difference for SNP AtMSQTsnp 315

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Pna-10	CS22571	7526	1	8	NA	T
Pna-10	CS22571	8358	1	8	NA	T
Eden-1	CS22572	6009	4	9	T	NA
Ull2-3	CS22587	6973	1	24	NA	A
Ull2-3	CS22587	8396	1	24	NA	A
Bor-4	CS22591	6903	1	28	NA	T
Bor-4	CS22591	8268	1	28	NA	T
Lp2-6	CS22595	7521	1	32	NA	T
Lp2-6	CS22595	8333	1	32	NA	T
Sq-8	CS22601	6967	1	38	T	NA
CIBC-5	CS22224	6730	1	39	T	A
Ren-11	CS22611	8368	1	48	T	NA
Nd-1	CS22619	6942	1	56	NA	T
Nd-1	CS1636	7266	1	56	NA	T
Nd-1	CS6922	7267	1	56	NA	T
Nd-1	CS22619	8344	1	56	NA	T
C24	CS22620	6906	1	57	NA	T
C24	CS906	7059	1	57	NA	T
C24	CS22620	8273	1	57	NA	T
N13	CS22621	6941	1	58	NA	T
N13	CS22491	8429	1	58	NA	T
Yo-0	CS6901	7416	1	61	T	NA
Ag-0	CS22630	6897	1	67	T	AT
Ra-0	CS22632	6958	1	69	T	NA
Ga-0	CS22634	6919	1	71	NA	T
Ga-0	CS6714	7140	1	71	NA	T
Ga-0	CS22634	8295	1	71	NA	T
Mz-0	CS22636	6940	1	73	NA	A
Mz-0	CS6800	7251	1	73	NA	A
Mz-0	CS22636	8342	1	73	NA	A
Mr-0	CS6795	7429	1	77	A	AT
Mt-0	CS22642	6939	1	79	T	NA
Nok-3	CS22643	6945	1	80	NA	T
Nok-3	CS6810	7272	1	80	NA	T
Nok-3	CS22643	8347	1	80	NA	T
Se-0	CS6852	7326	1	83	T	NA

Kondara	CS22651	6929	1	88	NA	T
Kondara	CS916	7200	1	88	NA	T
Kondara	CS22651	8319	1	88	NA	T
Shahdara	CS22652	8248	1	89	NA	T
Sorbo	CS22653	6963	1	90	NA	T
Sorbo	CS931	7341	1	90	NA	T
Sorbo	CS22653	8381	1	90	NA	T
Ms-0	CS6797	7254	1	92	T	A
Oy-0	CS22658	6946	1	95	NA	T
Oy-0	CS6824	7288	1	95	NA	T
Oy-0	CS22658	8352	1	95	NA	T
Ws-2	CS22659	6981	1	96	NA	T
Ws-2	CS2360	7399	1	96	NA	T
Ws-2	CS2360	7399	2	96	NA	T
Ws-2	CS22659	8406	1	96	NA	T

6.115 SNP AtMSQTsnp 321(chrom=5, pos=625679, alignment id=2386, alignment start=625179)

Table 1031: SNP AtMSQTsnp 321(chromosome=5, position=625679, alignment id=2386, alignment start=625179)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	1	23	44	0	0	1	0	0	0	0	0
A	0	3	69	6	0	0	0	0	0	0	0	0
C	0	4	4	96	0	0	1	0	0	0	0	0
G	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
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1032: detailed difference for SNP AtMSQTsnp 321

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
KNO-18	CS22418	6817	1	4	NA	A
KNO-18	CS22567	6928	1	4	NA	A
Kno-18	CS22567	8318	1	4	NA	A
Eden-1	CS22572	6009	4	9	C	NA
Eden-1	CS22572	6912	1	9	C	NA
Lv-5	CS22575	6046	1	12	NA	C
Lv-5	CS22575	6046	2	12	NA	C
Lv-5	CS22575	6935	1	12	NA	C
Spr1-6	CS22583	6965	1	20	NA	C
Spr1-6	CS22583	8383	1	20	NA	C
Bor-1	CS22590	5837	1	27	C	A
Bor-4	CS22591	6903	1	28	NA	C
Bor-4	CS22591	8268	1	28	NA	C
Pu2-7	CS22592	6956	1	29	NA	C
Pu2-7	CS22592	8362	1	29	NA	C
NFA-10	CS22599	6943	1	36	NA	C
NFA-10	CS22599	8345	1	36	NA	C
CIBC-5	CS22224	6730	1	39	A	C
CIBC-5	CS22602	6908	1	39	A	C
CIBC-5	CS22602	8277	1	39	A	C
CIBC-17	CS22236	6724	1	40	C	A
CIBC-17	CS22603	6907	1	40	C	A
CIBC-17	CS22603	8276	1	40	C	A
Tamm-2	CS22604	6968	1	41	A	NA
Tamm-27	CS22605	6969	1	42	NA	A
Tamm-27	CS22605	8391	1	42	NA	A
KZ-1	CS22435	6826	1	43	C	AC
KZ-9	CS22441	6836	1	44	NA	A
KZ-9	CS22607	6931	1	44	NA	A
Kz-9	CS22607	8322	1	44	NA	A
REN-1	CS22253	6866	1	47	NA	C
REN-1	CS22610	6959	1	47	NA	C
Ren-1	CS22610	8367	1	47	NA	C
Uod-7	CS22613	6976	1	50	NA	A
Uod-7	CS22613	8399	1	50	NA	A
Lz-0	CS22615	6936	1	52	NA	C
Lz-0	CS6788	7219	1	52	NA	C

Lz-0	CS22615	8336	1	52	NA	C
Ei-2	CS22616	6915	1	53	NA	C
Ei-2	CS6689	7112	1	53	NA	C
Ei-2	CS22616	8289	1	53	NA	C
N13	CS22621	6941	1	58	NA	C
N13	CS22491	7438	1	58	NA	C
N13	CS22491	8429	1	58	NA	C
Ws-0	CS22623	6980	1	60	NA	A
Ws-0	CS6891	7396	1	60	NA	A
Ws-0	CS22623	8405	1	60	NA	A
Br-0	CS6626	7027	1	65	C	NA
Gy-0	CS6732	7421	1	68	NA	C
Gy-0	CS22631	8214	1	68	NA	C
Gy-0	CS22631	8302	1	68	NA	C
Ra-0	CS22632	6958	1	69	A	C
Ra-0	CS6844	7312	1	69	A	C
Ra-0	CS22632	8364	1	69	A	C
Wt-5	CS22637	6982	1	74	NA	C
Wt-5	CS6896	7410	1	74	NA	C
Wt-5	CS22637	8407	1	74	NA	C
Kas-2	CS22638	6925	1	75	NA	A
Kas-2	CS6751	7184	1	75	NA	A
Ct-1	CS22639	6910	1	76	NA	C
Ct-1	CS6674	7067	1	76	NA	C
Ct-1	CS22639	8280	1	76	NA	C
Mt-0	CS22642	6939	1	79	A	NA
Wa-1	CS22644	6978	1	81	C	NA
Fei-0	CS22645	8215	1	82	NA	C
Fei-0	CS22645	8294	1	82	NA	C
Se-0	CS22646	6961	1	83	NA	C
Se-0	CS6852	7326	1	83	NA	C
Se-0	CS22646	8379	1	83	NA	C
Ts-1	CS22647	6970	1	84	NA	C
Ts-1	CS6868	7366	1	84	NA	C
Ts-1	CS22647	8392	1	84	NA	C
Pro-0	CS22649	8360	1	86	NA	C
Shahdara	CS22652	8248	1	89	A	NA
Sorbo	CS22653	6963	1	90	NA	A
Sorbo	CS931	7341	1	90	NA	A
Sorbo	CS22653	8381	1	90	NA	A
Kin-0	CS22654	6926	1	91	NA	C
Kin-0	CS6755	7193	1	91	NA	C
Kin-0	CS22654	8316	1	91	NA	C
Ms-0	CS22655	6938	1	92	NA	A
Ms-0	CS6797	7254	1	92	NA	AC
Ms-0	CS22655	8340	1	92	NA	A
Edi-0	CS22657	6914	1	94	NA	A
Edi-0	CS6688	7111	1	94	NA	A
Edi-0	CS22657	8288	1	94	NA	A

6.116 SNP AtMSQTsnp 323(chrom=5, pos=872350, alignment id=532, alignment start=872097)

Table 1033: SNP AtMSQTsnp 323(chromosome=5, position=872350, alignment id=532, alignment start=872097)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	5	0	0	0	0	0	0	0	0	0
A	0	6	134	0	1	0	0	1	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	2	1	0	84	0	0	0	0	0	0	0
T	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
AG	0	0	3	0	2	0	0	1	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1034: detailed difference for SNP AtMSQTsnp 323

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	A	NA
Lv-1	CS22574	6043	2	11	A	NA
Bil-5	CS22578	6900	1	15	NA	A

Bil-5	CS22578	8262	1	15	NA	A
Bor-1	CS22590	5837	1	27	A	G
CIBC-5	CS22224	6730	1	39	G	A
KZ-1	CS22435	6826	1	43	A	AG
Uod-7	CS22613	6976	1	50	A	NA
Cvi-0	CS6675	7065	1	51	A	NA
Gu-0	CS22617	6922	1	54	G	NA
Yo-0	CS6901	7416	1	61	G	NA
Van-0	CS22627	6977	1	64	AG	A
Van-0	CS6884	7383	1	64	AG	A
Van-0	CS22627	8400	1	64	AG	A
Ra-0	CS22632	6958	1	69	A	NA
Mt-0	CS22642	6939	1	79	A	NA
Ts-1	CS22647	6970	1	84	NA	A
Ts-1	CS6868	7366	1	84	NA	A
Ts-1	CS22647	8392	1	84	NA	A
Ms-0	CS22655	6938	1	92	AG	G
Ms-0	CS22655	8340	1	92	AG	G

6.117 SNP AtMSQTsnp 325(chrom=5, pos=1214057, alignment id=2388, alignment start=1213621)

Table 1035: SNP AtMSQTsnp 325(chromosome=5, position=1214057, alignment id=2388, alignment start=1213621)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	4	0	47	0	31	0	0	0	0	1	0
A	0	0	0	0	0	0	0	0	0	0	0	0
C	0	5	0	99	0	3	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	0	0	1	0	61	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1036: detailed difference for SNP AtMSQTsnp 325

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
KNO-18	CS22418	6817	1	4	NA	T
KNO-18	CS22567	6928	1	4	NA	T
Kno-18	CS22567	8318	1	4	NA	T
Eden-1	CS22572	6009	4	9	C	NA
Lv-1	CS22574	6043	2	11	C	NA
Lv-5	CS22575	6046	1	12	NA	C
Lv-5	CS22575	6046	2	12	NA	C
Lv-5	CS22575	6935	1	12	NA	C
Fb-2	CS22576	6917	1	13	NA	C
Fb-2	CS22576	8292	1	13	NA	C
Spr1-6	CS22583	6965	1	20	NA	T
Spr1-6	CS22583	8383	1	20	NA	T
M2-1	CS22584	7518	1	21	NA	C
m2-1	CS22584	8349	1	21	NA	C
Bor-1	CS22590	5837	1	27	T	C
Bor-4	CS22591	6903	1	28	NA	C
Bor-4	CS22591	8268	1	28	NA	C
Pu2-7	CS22592	6956	1	29	NA	C
Pu2-7	CS22592	8362	1	29	NA	C
NFA-10	CS22599	6943	1	36	NA	C
NFA-10	CS22599	8345	1	36	NA	C
Sq-1	CS22600	6966	1	37	NA	C
Sq-1	CS22600	8384	1	37	NA	C
KZ-9	CS22441	6836	1	44	NA	T
KZ-9	CS22607	6931	1	44	NA	T
Kz-9	CS22607	8322	1	44	NA	T
GOT-7	CS22608	6921	1	45	NA	T
Got-7	CS22608	8299	1	45	NA	T
REN-1	CS22253	6866	1	47	NA	C
REN-1	CS22610	6959	1	47	NA	C
Ren-1	CS22610	8367	1	47	NA	C
Uod-7	CS22613	8399	1	50	NA	T
Cvi-0	CS6675	7065	1	51	C	NA
Lz-0	CS22615	6936	1	52	NA	T

Lz-0	CS6788	7219	1	52	NA	T
Lz-0	CS22615	8336	1	52	NA	T
Ei-2	CS22616	6915	1	53	NA	C
Ei-2	CS6689	7112	1	53	NA	C
Ei-2	CS22616	8289	1	53	NA	C
Gu-0	CS22617	6922	1	54	C	NA
Ler-1	CS22618	6932	1	55	NA	C
Ler-1	CS22618	6932	2	55	NA	C
Ler-1	CS6928	7211	1	55	NA	C
Ler-1	CS22618	8324	1	55	NA	C
Nd-1	CS1636	7266	1	56	C	NA
Wei-0	CS22622	6979	1	59	NA	T
Wei-0	CS6182	7402	1	59	NA	T
Wei-0	CS22622	8404	1	59	NA	T
Ws-0	CS22623	6980	1	60	NA	C
Ws-0	CS6891	7396	1	60	NA	C
Ws-0	CS22623	8405	1	60	NA	C
Yo-0	CS22624	6983	1	61	NA	T
Yo-0	CS22624	8408	1	61	NA	T
Gy-0	CS6732	7421	1	68	NA	T
Gy-0	CS22631	8214	1	68	NA	T
Gy-0	CS22631	8302	1	68	NA	T
Ra-0	CS6844	7312	1	69	NA	T
Ra-0	CS22632	8364	1	69	NA	T
Ga-0	CS22634	6919	1	71	NA	C
Ga-0	CS6714	7140	1	71	NA	C
Ga-0	CS22634	8295	1	71	NA	C
Mrk-0	CS22635	6937	1	72	C	T
Mrk-0	CS6796	7247	1	72	C	T
Mrk-0	CS22635	8339	1	72	C	T
Ct-1	CS22639	6910	1	76	NA	C
Ct-1	CS6674	7067	1	76	NA	C
Ct-1	CS22639	8280	1	76	NA	C
Mr-0	CS6795	7429	1	77	NA	C
Mr-0	CS6795	7429	2	77	NA	C
Mr-0	CS22640	7522	1	77	NA	C
Mr-0	CS22640	8338	1	77	NA	C
Mt-0	CS6799	7249	1	79	NA	T
Mt-0	CS22642	8341	1	79	NA	T
Ts-1	CS22647	6970	1	84	NA	C
Ts-1	CS6868	7366	1	84	NA	C
Ts-1	CS22647	8392	1	84	NA	C
Ts-5	CS22648	6971	1	85	NA	C
Ts-5	CS6871	7369	1	85	NA	C
Ts-5	CS22648	8393	1	85	NA	C
Kin-0	CS22654	6926	1	91	NA	T
Kin-0	CS6755	7193	1	91	NA	T
Kin-0	CS22654	8316	1	91	NA	T
Ms-0	CS22655	6938	1	92	NA	T
Ms-0	CS6797	7254	1	92	NA	CT
Ms-0	CS22655	8340	1	92	NA	T
Bur-0	CS22656	6905	1	93	NA	C
Bur-0	CS6643	7058	1	93	NA	C
Bur-0	CS22656	8272	1	93	NA	C

6.118 SNP AtMSQTsnp 327(chrom=5, pos=1497133, alignment id=2105, alignment start=1496987)

Table 1037: SNP AtMSQTsnp 327(chromosome=5, position=1497133, alignment id=2105, alignment start=1496987)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	44	0	0	18	16	0	0	0	0	0	0
A	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
G	0	32	0	0	39	3	0	0	0	0	0	0
T	0	54	0	0	1	44	0	0	0	0	0	1
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1038: detailed difference for SNP AtMSQTsnp 327

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
RRS-10	CS22565	8372	1	2	T	NA
KNO-10	CS22410	6809	1	3	T	NA
KNO-10	CS22566	6927	1	3	T	NA
KNO-18	CS22418	6817	1	4	T	NA
KNO-18	CS22567	6928	1	4	T	NA
Kno-18	CS22567	8318	1	4	T	NA
Rmx-A02	CS22568	7524	1	5	T	NA
Rmx-A02	CS22568	8370	1	5	T	NA
Rmx-A180	CS22569	7525	1	6	T	NA
Rmx-A180	CS22569	8371	1	6	T	NA
Pna-17	CS22570	8359	1	7	T	NA
Pna-10	CS22571	7526	1	8	T	NA
Eden-1	CS22572	6009	4	9	T	NA
Eden-1	CS22572	6912	1	9	T	NA
Lv-1	CS22574	6934	1	11	G	NA
Lv-5	CS22575	6046	2	12	G	NA
Lv-5	CS22575	6935	1	12	G	NA
Vr2-1	CS22580	7516	1	17	NA	G
Spr1-6	CS22583	8383	1	20	G	NA
Ull2-5	CS22586	8397	1	23	T	NA
Zdr-1	CS22588	6984	1	25	T	NA
Zdr-1	CS22588	8409	1	25	T	NA
Bor-4	CS22591	6903	1	28	G	NA
Pu2-7	CS22592	6956	1	29	T	NA
Pu2-23	CS22593	6951	1	30	T	NA
Pu2-23	CS22593	8361	1	30	T	NA
Lp2-2	CS22594	8332	1	31	G	NA
Lp2-6	CS22595	7521	1	32	NA	T
HR-5	CS22596	8309	1	33	G	NA
NFA-8	CS22598	6944	1	35	T	NA
NFA-8	CS22598	8346	1	35	T	NA
NFA-10	CS22599	6943	1	36	G	NA
NFA-10	CS22599	8345	1	36	G	NA
CIBC-5	CS22602	6908	1	39	T	G
CIBC-5	CS22602	8277	1	39	T	NA
CIBC-17	CS22236	6724	1	40	G	T
CIBC-17	CS22603	6907	1	40	G	T
CIBC-17	CS22603	8276	1	40	G	T
Tamm-2	CS22604	6968	1	41	G	NA
Tamm-2	CS22604	8390	1	41	G	NA
Tamm-27	CS22605	8391	1	42	G	NA
KZ-1	CS22435	6826	1	43	T	GT
Kz-1	CS22606	8320	1	43	T	NA
Kz-9	CS22607	8322	1	44	G	NA
Got-7	CS22608	8299	1	45	T	NA
GOT-22	CS22298	6775	1	46	T	NA
GOT-22	CS22609	6920	1	46	T	NA
REN-11	CS22263	6867	1	48	NA	T
REN-11	CS22611	6960	1	48	NA	T
Uod-1	CS22612	8398	1	49	T	NA
Cvi-0	CS22614	6911	1	51	G	NA
Cvi-0	CS6675	7065	1	51	G	NA
Lz-0	CS22615	8336	1	52	G	NA
Ei-2	CS22616	6915	1	53	T	NA
Ei-2	CS6689	7112	1	53	T	NA
Ei-2	CS22616	8289	1	53	T	NA
Gu-0	CS22617	6922	1	54	T	NA
Gu-0	CS6730	7149	1	54	T	NA
Gu-0	CS22617	8301	1	54	T	NA
Ler-1	CS22618	8324	1	55	T	NA
N13	CS22621	6941	1	58	NA	T
Wei-0	CS22622	6979	1	59	G	NA
Wei-0	CS6182	7402	1	59	G	NA
Wei-0	CS22622	8404	1	59	G	NA
Ws-0	CS22623	8405	1	60	T	NA
Yo-0	CS22624	8408	1	61	T	NA
Col-0	CS22625	6909	1	62	T	NA
Col-0	CS6673	7082	1	62	T	NA
Col-0	CS22625	8279	1	62	T	NA
Br-0	CS6626	7027	1	65	T	NA
Br-0	CS22628	8269	1	65	T	NA
Ag-0	CS22630	6897	1	67	NA	T
Ag-0	CS6601	6999	1	67	NA	T
Gy-0	CS6732	7421	1	68	G	NA
Gy-0	CS22631	8214	1	68	G	NA
Gy-0	CS22631	8302	1	68	G	NA
Ra-0	CS22632	6958	1	69	NA	G
Bay-0	CS22633	6899	1	70	NA	G

Bay-0	CS57923	7007	1	70	NA	G
Ga-0	CS22634	6919	1	71	NA	G
Mrk-0	CS22635	8339	1	72	G	NA
Mz-0	CS22636	8342	1	73	T	NA
Wt-5	CS22637	6982	1	74	NA	G
Wt-5	CS6896	7410	1	74	NA	G
Kas-2	CS22638	6925	1	75	NA	G
Kas-2	CS6751	7184	1	75	NA	G
Ct-1	CS22639	6910	1	76	G	NA
Ct-1	CS6674	7067	1	76	G	NA
Ct-1	CS22639	8280	1	76	G	NA
Mr-0	CS6795	7429	1	77	G	NA
Tsu-1	CS22641	8394	1	78	T	NA
Mt-0	CS6799	7249	1	79	NA	T
Nok-3	CS22643	6945	1	80	NA	G
Nok-3	CS6810	7272	1	80	NA	G
Wa-1	CS22644	6978	1	81	G	NA
Wa-1	CS22644	8403	1	81	G	NA
Se-0	CS22646	6961	1	83	NA	T
Se-0	CS6852	7326	1	83	NA	T
Ts-1	CS22647	6970	1	84	T	NA
Ts-1	CS6868	7366	1	84	T	NA
Ts-1	CS22647	8392	1	84	T	NA
Ts-5	CS22648	8393	1	85	T	NA
LL-0	CS22650	6933	1	87	NA	T
Ll-0	CS6781	7237	1	87	NA	T
Kondara	CS22651	6929	1	88	NA	G
Kondara	CS916	7200	1	88	NA	G
Kondara	CS22651	8319	1	88	NA	G
Sorbo	CS22653	6963	1	90	NA	G
Sorbo	CS931	7341	1	90	NA	G
Kin-0	CS22654	6926	1	91	NA	T
Kin-0	CS6755	7193	1	91	NA	T
Ms-0	CS22655	6938	1	92	G	NA
Ms-0	CS6797	7254	1	92	G	NA
Ms-0	CS22655	8340	1	92	G	NA
Bur-0	CS22656	6905	1	93	T	NA
Bur-0	CS6643	7058	1	93	T	NA
Bur-0	CS22656	8272	1	93	T	NA
Edi-0	CS22657	6914	1	94	NA	G
Edi-0	CS6688	7111	1	94	NA	G
Oy-0	CS22658	6946	1	95	T	NA
Oy-0	CS6824	7288	1	95	T	NA
Oy-0	CS22658	8352	1	95	T	NA
Ws-2	CS22659	6981	1	96	NA	T
Ws-2	CS2360	7399	1	96	NA	T
Ws-2	CS22659	8406	1	96	NA	T

6.119 SNP AtMSQTsnp 331(chrom=5, pos=1931167, alignment id=1633, alignment start=1931083)

Table 1039: SNP AtMSQTsnp 331(chromosome=5, position=1931167, alignment id=1633, alignment start=1931083)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	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
C	0	52	0	84	1	0	0	0	0	0	0	0
G	0	43	0	1	69	0	0	0	0	2	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1040: detailed difference for SNP AtMSQTsnp 331

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
RRS-10	CS22565	8372	1	2	G	NA
Kno-10	CS22566	8317	1	3	G	NA
Kno-18	CS22567	8318	1	4	G	NA
Rmx-A02	CS22568	8370	1	5	G	NA
Rmx-A180	CS22569	8371	1	6	C	NA

Pna-17	CS22570	8359	1	7	C	NA
Eden-1	CS22572	6009	4	9	G	NA
Eden-2	CS22573	8287	1	10	G	NA
Lv-1	CS22574	6043	2	11	G	NA
Lv-5	CS22575	6046	2	12	G	NA
Fb-2	CS22576	8292	1	13	G	NA
Fb-4	CS22577	8293	1	14	C	NA
Bil-5	CS22578	8262	1	15	G	NA
Bil-7	CS22579	8263	1	16	G	NA
Vr2-1	CS22580	8401	1	17	C	NA
Vr2-6	CS22581	8402	1	18	G	NA
Spr1-2	CS22582	8382	1	19	C	NA
Spr1-6	CS22583	8383	1	20	C	NA
m2-1	CS22584	8349	1	21	G	NA
m2-3	CS22585	8350	1	22	G	NA
Ull2-5	CS22586	8397	1	23	G	NA
Ull2-3	CS22587	8396	1	24	C	NA
Zdr-1	CS22588	8409	1	25	C	NA
Zdr-6	CS22589	8410	1	26	C	NA
Bor-1	CS22590	5837	2	27	G	NA
Bor-4	CS22591	8268	1	28	G	NA
Pu2-7	CS22592	8362	1	29	G	NA
Pu2-23	CS22593	8361	1	30	G	NA
Lp2-2	CS22594	8332	1	31	C	NA
Lp2-6	CS22595	8333	1	32	G	NA
HR-5	CS22596	8309	1	33	G	NA
HR-10	CS22597	8308	1	34	G	NA
NFA-8	CS22598	8346	1	35	G	NA
NFA-10	CS22599	8345	1	36	G	NA
Sq-1	CS22600	8384	1	37	C	NA
Sq-8	CS22601	8385	1	38	G	NA
CIBC-5	CS22224	6730	1	39	C	G
CIBC-5	CS22602	8277	1	39	C	NA
CIBC-17	CS22603	8276	1	40	C	NA
Tamm-2	CS22604	8390	1	41	G	NA
Tamm-27	CS22605	8391	1	42	G	NA
Kz-1	CS22606	8320	1	43	C	NA
Kz-9	CS22607	8322	1	44	C	NA
Got-7	CS22608	8299	1	45	C	NA
Got-22	CS22609	8298	1	46	C	NA
Ren-1	CS22610	8367	1	47	C	NA
Ren-11	CS22611	8368	1	48	C	NA
Uod-1	CS22612	8398	1	49	C	NA
Uod-7	CS22613	8399	1	50	C	NA
Cvi-0	CS22614	8281	1	51	G	NA
Lz-0	CS22615	8336	1	52	C	NA
Ei-2	CS22616	8289	1	53	C	NA
Gu-0	CS22617	8301	1	54	C	NA
Ler-1	CS22618	8324	1	55	G	NA
Nd-1	CS22619	8344	1	56	C	NA
C24	CS22620	8273	1	57	C	NA
N13	CS22491	8429	1	58	G	NA
Wei-0	CS22622	8404	1	59	C	NA
Ws-0	CS22623	8405	1	60	G	NA
Yo-0	CS22624	8408	1	61	G	NA
Col-0	CS22625	8279	1	62	G	NA
An-1	CS22626	8253	1	63	C	NA
Van-0	CS22627	6977	1	64	C	NA
Van-0	CS22627	8400	1	64	C	NA
Br-0	CS22628	8269	1	65	C	NA
Est-1	CS22629	8291	1	66	G	NA
Ag-0	CS22630	8251	1	67	C	NA
Gy-0	CS22631	8302	1	68	C	NA
Ra-0	CS22632	8364	1	69	C	NA
Bay-0	CS22633	8260	1	70	G	NA
Ga-0	CS22634	8295	1	71	C	NA
Mrk-0	CS22635	8339	1	72	C	NA
Mz-0	CS22636	8342	1	73	C	NA
Wt-5	CS22637	8407	1	74	C	NA
Ct-1	CS22639	8280	1	76	C	NA
Mr-0	CS6795	7429	1	77	G	CG
Mr-0	CS22640	8338	1	77	G	NA
Tsu-1	CS22641	8394	1	78	C	NA
Mt-0	CS22642	6939	1	79	C	NA
Mt-0	CS22642	8341	1	79	C	NA
Nok-3	CS22643	8347	1	80	C	NA
Wa-1	CS22644	8403	1	81	C	NA
Fei-0	CS22645	8294	1	82	C	NA
Se-0	CS22646	8379	1	83	G	NA
Ts-1	CS22647	8392	1	84	C	NA
Ts-5	CS22648	8393	1	85	G	NA

Pro-0	CS22649	8360	1	86	G	NA
LL-0	CS22650	8328	1	87	G	NA
Kondara	CS22651	8319	1	88	C	NA
Shahdara	CS22652	8248	1	89	C	NA
Sorbo	CS22653	8381	1	90	C	NA
Kin-0	CS22654	8316	1	91	C	NA
Ms-0	CS22655	6938	1	92	G	C
Ms-0	CS6797	7254	1	92	G	CG
Ms-0	CS22655	8340	1	92	G	NA
Bur-0	CS22656	8272	1	93	G	NA
Edi-0	CS22657	8288	1	94	G	NA
Oy-0	CS22658	8352	1	95	C	NA
Ws-2	CS22659	8406	1	96	C	NA

6.120 SNP AtMSQTsnp 334(chrom=5, pos=2244739, alignment id=1995, alignment start=2244524)

Table 1041: SNP AtMSQTsnp 334(chromosome=5, position=2244739, alignment id=1995, alignment start=2244524)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	4	0	2	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0
C	0	8	0	133	0	8	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	2	0	9	0	86	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1042: detailed difference for SNP AtMSQTsnp 334

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Pna-17	CS22570	7523	1	7	NA	C
Pna-17	CS22570	8359	1	7	NA	C
Eden-1	CS22572	6009	4	9	T	NA
Spr1-6	CS22583	6965	1	20	C	NA
Sq-8	CS22601	6967	1	38	C	NA
CIBC-5	CS22224	6730	1	39	C	T
CIBC-5	CS22602	6908	1	39	C	T
CIBC-5	CS22602	8277	1	39	C	T
CIBC-17	CS22236	6724	1	40	T	C
CIBC-17	CS22603	6907	1	40	T	C
CIBC-17	CS22603	8276	1	40	T	C
Uod-7	CS22613	6976	1	50	NA	C
Uod-7	CS22613	8399	1	50	NA	C
N13	CS22491	7438	1	58	C	NA
Ws-0	CS22623	6980	1	60	C	NA
Ws-0	CS6891	7396	1	60	C	NA
Yo-0	CS6901	7416	1	61	T	NA
Ra-0	CS22632	6958	1	69	C	NA
Ra-0	CS6844	7312	1	69	C	T
Ra-0	CS22632	8364	1	69	C	T
Wt-5	CS22637	6982	1	74	T	C
Wt-5	CS6896	7410	1	74	T	C
Wt-5	CS22637	8407	1	74	T	C
Tsu-1	CS22641	6972	1	78	T	C
Tsu-1	CS6926	7374	1	78	T	C
Tsu-1	CS22641	8394	1	78	T	C
Mt-0	CS22642	6939	1	79	C	NA
Nok-3	CS22643	6945	1	80	C	T
Nok-3	CS6810	7272	1	80	C	T
Nok-3	CS22643	8347	1	80	C	T
Fei-0	CS22645	8215	1	82	NA	T
Fei-0	CS22645	8294	1	82	NA	T
Se-0	CS6852	7326	1	83	C	NA

6.121 SNP AtMSQTsnp 343(chrom=5, pos=3606967, alignment id=538, alignment start=3606683)

Table 1043: SNP AtMSQTsnp 343(chromosome=5, position=3606967, alignment id=538, alignment start=3606683)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	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
C	0	2	0	134	0	1	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	5	0	0	0	110	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1044: detailed difference for SNP AtMSQTsnp 343

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	T	NA
Bor-1	CS22590	5837	1	27	C	T
Uod-7	CS22613	6976	1	50	T	NA
N13	CS22491	7438	1	58	T	NA
Yo-0	CS6901	7416	1	61	T	NA
Ra-0	CS22632	6958	1	69	C	NA
Mt-0	CS22642	6939	1	79	T	NA
Se-0	CS6852	7326	1	83	C	NA

6.122 SNP AtMSQTsnp 350(chrom=5, pos=5005750, alignment id=1459, alignment start=5005363)

Table 1045: SNP AtMSQTsnp 350(chromosome=5, position=5005750, alignment id=1459, alignment start=5005363)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	0	0	0	0	0	0	0	0
A	0	2	87	0	1	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	6	0	0	156	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1046: detailed difference for SNP AtMSQTsnp 350

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	G	NA
Eden-1	CS22572	6912	1	9	G	NA
Pu2-7	CS22592	6956	1	29	A	NA
CIBC-5	CS22224	6730	1	39	A	G
Tamm-2	CS22604	6968	1	41	G	NA
Mt-0	CS22642	6939	1	79	G	NA
Wa-1	CS22644	6978	1	81	G	NA
Pro-0	CS22649	8213	1	86	A	NA
Shahdara	CS22652	8248	1	89	G	NA

6.123 SNP AtMSQTsnp 351(chrom=5, pos=5319138, alignment id=126, alignment start=5318924)

Table 1047: SNP AtMSQTsnp 351(chromosome=5, position=5319138, alignment id=126, alignment start=5318924)

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

-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	0	0	0	0	0	0	0	0
A	0	2	72	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	7	0	0	171	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1048: detailed difference for SNP AtMSQTsnp 351

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	G	NA
Lv-1	CS22574	6043	2	11	G	NA
Uod-7	CS22613	6976	1	50	G	NA
Cvi-0	CS6675	7065	1	51	G	NA
Gu-0	CS22617	6922	1	54	G	NA
Yo-0	CS6901	7416	1	61	G	NA
Ra-0	CS22632	6958	1	69	A	NA
Ra-0	CS6844	7312	1	69	A	NA
Mt-0	CS22642	6939	1	79	G	NA

6.124 SNP AtMSQTsnp 355(chrom=5, pos=6708014, alignment id=547, alignment start=6707732)

Table 1049: SNP AtMSQTsnp 355(chromosome=5, position=6708014, alignment id=547, alignment start=6707732)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	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
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	4	0	0	57	2	0	0	0	0	0	0
T	0	5	0	0	1	165	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1050: detailed difference for SNP AtMSQTsnp 355

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	T	NA
Bor-1	CS22590	5837	1	27	T	G
CIBC-5	CS22224	6730	1	39	G	T
Uod-7	CS22613	6976	1	50	T	NA
Cvi-0	CS6675	7065	1	51	G	NA
Gu-0	CS22617	6922	1	54	T	NA
Wei-0	CS6182	7402	1	59	G	T
Yo-0	CS6901	7416	1	61	G	NA
Ra-0	CS22632	6958	1	69	G	NA
Ra-0	CS6844	7312	1	69	G	NA
Mt-0	CS22642	6939	1	79	T	NA
Se-0	CS6852	7326	1	83	T	NA

6.125 SNP AtMSQTsnp 358(chrom=5, pos=7279057, alignment id=550, alignment start=7278798)

Table 1051: SNP AtMSQTsnp 358(chromosome=5, position=7279057, alignment id=550, alignment start=7278798)

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

NA	0	0	0	0	0	0	0	0	0	0	0	0
A	0	3	86	0	1	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	6	1	0	155	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1052: detailed difference for SNP AtMSQTsnp 358

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	A	NA
Lv-1	CS22574	6043	2	11	G	NA
Bor-1	CS22590	5837	1	27	A	G
Uod-7	CS22613	6976	1	50	A	NA
Cvi-0	CS6675	7065	1	51	G	NA
Gu-0	CS22617	6922	1	54	G	NA
Nd-1	CS1636	7266	1	56	A	NA
Wei-0	CS6182	7402	1	59	G	A
Yo-0	CS6901	7416	1	61	G	NA
Ra-0	CS22632	6958	1	69	G	NA
Mt-0	CS22642	6939	1	79	G	NA

6.126 SNP AtMSQTsnp 359(chrom=5, pos=7442381, alignment id=1363, alignment start=7442039)

Table 1053: SNP AtMSQTsnp 359(chromosome=5, position=7442381, alignment id=1363, alignment start=7442039)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	3	3	0	0	0	0	0	0
A	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
G	0	3	0	0	100	0	0	0	0	0	0	0
T	0	3	0	0	1	134	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	3	0	0	0	0	0	0	0

Table 1054: detailed difference for SNP AtMSQTsnp 359

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
KNO-18	CS22418	6817	1	4	NA	T
KNO-18	CS22567	6928	1	4	NA	T
Kno-18	CS22567	8318	1	4	NA	T
Eden-1	CS22572	6009	4	9	T	NA
CIBC-5	CS22224	6730	1	39	T	G
N13	CS22491	7438	1	58	G	NA
Yo-0	CS6901	7416	1	61	T	NA
Van-0	CS22627	6977	1	64	GT	G
Van-0	CS6884	7383	1	64	GT	G
Van-0	CS22627	8400	1	64	GT	G
Ra-0	CS22632	6958	1	69	T	NA
Mt-0	CS22642	6939	1	79	G	NA
Se-0	CS6852	7326	1	83	G	NA
Ms-0	CS22655	6938	1	92	NA	G
Ms-0	CS6797	7254	1	92	NA	G
Ms-0	CS22655	8340	1	92	NA	G

6.127 SNP AtMSQTsnp 360(chrom=5, pos=7842993, alignment id=174, alignment start=7842900)

Table 1055: SNP AtMSQTsnp 360(chromosome=5, position=7842993, alignment id=174, alignment start=7842900)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	6	0	0	6	1	0	0	0	0	0	0
A	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
G	0	64	0	0	82	1	0	0	0	0	0	0
T	0	30	0	0	0	45	0	0	0	0	0	1
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1056: detailed difference for SNP AtMSQTsnp 360

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Pna-10	CS22571	8358	1	8	T	NA
Eden-1	CS22572	6009	3	9	NA	G
Eden-1	CS22572	6912	1	9	NA	G
Eden-2	CS22573	8287	1	10	G	NA
Lv-1	CS22574	6043	1	11	G	NA
Lv-1	CS22574	6043	2	11	G	NA
Lv-5	CS22575	6046	2	12	G	NA
Fb-2	CS22576	8292	1	13	G	NA
Fb-4	CS22577	8293	1	14	G	NA
Bil-5	CS22578	8262	1	15	G	NA
Bil-7	CS22579	8263	1	16	G	NA
Vr2-1	CS22580	8401	1	17	G	NA
Vr2-6	CS22581	8402	1	18	G	NA
Spr1-2	CS22582	8382	1	19	G	NA
Spr1-6	CS22583	8383	1	20	G	NA
m2-1	CS22584	8349	1	21	G	NA
m2-3	CS22585	8350	1	22	G	NA
Ull2-5	CS22586	6974	1	23	NA	T
Ull2-3	CS22587	8396	1	24	G	NA
Zdr-1	CS22588	8409	1	25	T	NA
Zdr-6	CS22589	8410	1	26	G	NA
Bor-1	CS22590	5837	2	27	G	NA
Bor-4	CS22591	8268	1	28	G	NA
Pu2-7	CS22592	8362	1	29	G	NA
Pu2-23	CS22593	8361	1	30	G	NA
Lp2-2	CS22594	8332	1	31	G	NA
Lp2-6	CS22595	8333	1	32	G	NA
HR-5	CS22596	8309	1	33	T	NA
HR-10	CS22597	8308	1	34	T	NA
NFA-8	CS22598	8346	1	35	T	NA
NFA-10	CS22599	8345	1	36	T	NA
Sq-1	CS22600	8384	1	37	T	NA
Sq-8	CS22601	8385	1	38	T	NA
CIBC-5	CS22224	6730	1	39	G	T
CIBC-5	CS22602	8277	1	39	G	NA
CIBC-17	CS22603	8276	1	40	T	NA
Tamm-2	CS22604	8390	1	41	G	NA
Tamm-27	CS22605	8391	1	42	G	NA
Kz-1	CS22606	8320	1	43	G	NA
Kz-9	CS22607	8322	1	44	G	NA
Got-7	CS22608	8299	1	45	T	NA
Got-22	CS22609	8298	1	46	T	NA
REN-1	CS22253	6866	1	47	T	NA
Ren-1	CS22610	8367	1	47	T	NA
Ren-11	CS22611	8368	1	48	T	NA
Uod-1	CS22612	8398	1	49	G	NA
Uod-7	CS22613	8399	1	50	T	NA
Cvi-0	CS22614	6911	1	51	G	NA
Cvi-0	CS6675	7065	1	51	G	NA
Cvi-0	CS22614	8281	1	51	G	NA
Lz-0	CS22615	8336	1	52	T	NA
Ei-2	CS22616	8289	1	53	T	NA
Gu-0	CS22617	8301	1	54	G	NA
Ler-1	CS22618	8324	1	55	T	NA
Nd-1	CS22619	8344	1	56	G	NA
N13	CS22491	7438	1	58	G	NA
N13	CS22491	8429	1	58	G	NA
Wei-0	CS22622	8404	1	59	G	NA

Ws-0	CS22623	8405	1	60	G	NA
Yo-0	CS22624	8408	1	61	G	NA
Col-0	CS22625	8279	1	62	G	NA
An-1	CS22626	8253	1	63	G	NA
Van-0	CS22627	6977	1	64	G	NA
Van-0	CS22627	8400	1	64	G	NA
Br-0	CS22628	8269	1	65	G	NA
Est-1	CS22629	6916	1	66	NA	G
Est-1	CS6701	7129	1	66	NA	G
Ag-0	CS22630	8251	1	67	G	NA
Gy-0	CS22631	8302	1	68	G	NA
Ra-0	CS22632	8364	1	69	T	NA
Bay-0	CS57923	7007	1	70	T	NA
Bay-0	CS22633	8260	1	70	T	NA
Ga-0	CS22634	8295	1	71	T	NA
Mrk-0	CS22635	8339	1	72	G	NA
Mz-0	CS22636	8342	1	73	G	NA
Wt-5	CS22637	8407	1	74	G	NA
Ct-1	CS6674	7067	1	76	G	NA
Ct-1	CS22639	8280	1	76	G	NA
Tsu-1	CS22641	8394	1	78	T	NA
Mt-0	CS22642	6939	1	79	G	NA
Mt-0	CS22642	8341	1	79	G	NA
Nok-3	CS22643	8347	1	80	T	NA
Wa-1	CS22644	8403	1	81	T	NA
Fei-0	CS22645	8294	1	82	G	NA
Se-0	CS6852	7326	1	83	G	NA
Se-0	CS22646	8379	1	83	G	NA
Ts-1	CS6868	7366	1	84	G	NA
Ts-1	CS22647	8392	1	84	G	NA
Ts-5	CS22648	8393	1	85	G	NA
Pro-0	CS22649	8360	1	86	G	NA
LL-0	CS22650	8328	1	87	G	NA
Kondara	CS22651	8319	1	88	G	NA
Shahdara	CS22652	8248	1	89	T	NA
Sorbo	CS22653	8381	1	90	T	NA
Kin-0	CS22654	8316	1	91	G	NA
Ms-0	CS6797	7254	1	92	T	GT
Ms-0	CS22655	8340	1	92	T	NA
Bur-0	CS22656	6905	1	93	T	NA
Bur-0	CS22656	8272	1	93	T	NA
Edi-0	CS22657	8288	1	94	G	NA
Oy-0	CS22658	6946	1	95	NA	G
Oy-0	CS6824	7288	1	95	NA	G
Ws-2	CS22659	8406	1	96	G	NA

6.128 SNP AtMSQTsnp 361(chrom=5, pos=7881430, alignment id=1986, alignment start=7881187)

Table 1057: SNP AtMSQTsnp 361(chromosome=5, position=7881430, alignment id=1986, alignment start=7881187)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	0	0	0	0	0	0	0	0
A	0	4	115	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	4	0	0	129	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1058: detailed difference for SNP AtMSQTsnp 361

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	A	NA
Eden-1	CS22572	6912	1	9	A	NA
Tamm-2	CS22604	6968	1	41	G	NA
Mr-0	CS6795	7429	1	77	G	NA
Mt-0	CS22642	6939	1	79	G	NA
Wa-1	CS22644	6978	1	81	G	NA
Pro-0	CS22649	8213	1	86	A	NA

Shahdara	CS22652	8248	1	89	A	NA

6.129 SNP AtMSQTsnp 368(chrom=5, pos=14216131, alignment id=1035, alignment start=14215995)

Table 1059: SNP AtMSQTsnp 368(chromosome=5, position=14216131, alignment id=1035, alignment start=14215995)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	0	0	0	0	0	0	0	0
A	0	46	70	0	1	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	52	0	0	82	0	0	1	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1060: detailed difference for SNP AtMSQTsnp 368

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
RRS-10	CS22565	8372	1	2	A	NA
Kno-10	CS22566	8317	1	3	A	NA
Kno-18	CS22567	8318	1	4	A	NA
Rmx-A02	CS22568	8370	1	5	A	NA
Rmx-A180	CS22569	8371	1	6	A	NA
Pna-17	CS22570	8359	1	7	G	NA
Pna-10	CS22571	8358	1	8	A	NA
Eden-1	CS22572	6009	4	9	A	NA
Eden-2	CS22573	8287	1	10	A	NA
Lv-1	CS22574	6043	2	11	G	NA
Lv-5	CS22575	6046	2	12	G	NA
Fb-2	CS22576	8292	1	13	G	NA
Fb-4	CS22577	8293	1	14	A	NA
Bil-5	CS22578	8262	1	15	G	NA
Bil-7	CS22579	8263	1	16	G	NA
Vr2-1	CS22580	8401	1	17	G	NA
Vr2-6	CS22581	8402	1	18	G	NA
Spr1-2	CS22582	8382	1	19	G	NA
Spr1-6	CS22583	8383	1	20	G	NA
m2-1	CS22584	8349	1	21	A	NA
m2-3	CS22585	8350	1	22	A	NA
Ull2-5	CS22586	8397	1	23	G	NA
Ull2-3	CS22587	8396	1	24	A	NA
Zdr-1	CS22588	8409	1	25	G	NA
Zdr-6	CS22589	8410	1	26	G	NA
Bor-1	CS22590	5837	1	27	A	G
Bor-1	CS22590	5837	2	27	A	NA
Bor-4	CS22591	8268	1	28	G	NA
Pu2-7	CS22592	8362	1	29	G	NA
Pu2-23	CS22593	8361	1	30	A	NA
Lp2-2	CS22594	8332	1	31	A	NA
Lp2-6	CS22595	8333	1	32	A	NA
HR-5	CS22596	8309	1	33	A	NA
HR-10	CS22597	8308	1	34	G	NA
NFA-8	CS22598	8346	1	35	A	NA
NFA-10	CS22599	8345	1	36	G	NA
Sq-1	CS22600	8384	1	37	G	NA
Sq-8	CS22601	8385	1	38	A	NA
CIBC-5	CS22602	8277	1	39	A	NA
CIBC-17	CS22603	8276	1	40	A	NA
Tamm-2	CS22604	8390	1	41	G	NA
Tamm-27	CS22605	8391	1	42	G	NA
Kz-1	CS22606	8320	1	43	G	NA
Kz-9	CS22607	8322	1	44	G	NA
Got-7	CS22608	8299	1	45	G	NA
Got-22	CS22609	8298	1	46	G	NA
Ren-1	CS22610	8367	1	47	G	NA
Ren-11	CS22611	8368	1	48	G	NA
Uod-1	CS22612	8398	1	49	G	NA
Uod-7	CS22613	8399	1	50	G	NA
Cvi-0	CS22614	8281	1	51	A	NA

Lz-0	CS22615	8336	1	52	A	NA
Ei-2	CS22616	8289	1	53	A	NA
Gu-0	CS22617	8301	1	54	A	NA
Ler-1	CS22618	8324	1	55	G	NA
Nd-1	CS22619	8344	1	56	G	NA
C24	CS22620	8273	1	57	A	NA
N13	CS22491	7438	1	58	G	NA
N13	CS22491	8429	1	58	G	NA
Wei-0	CS22622	8404	1	59	A	NA
Ws-0	CS22623	8405	1	60	G	NA
Yo-0	CS22624	8408	1	61	A	NA
Col-0	CS22625	8279	1	62	G	NA
An-1	CS22626	8253	1	63	A	NA
Van-0	CS22627	6977	1	64	A	NA
Van-0	CS22627	8400	1	64	A	NA
Br-0	CS22628	8269	1	65	G	NA
Est-1	CS22629	8291	1	66	A	NA
Ag-0	CS22630	8251	1	67	G	NA
Gy-0	CS22631	8302	1	68	A	NA
Ra-0	CS22632	8364	1	69	A	NA
Bay-0	CS57923	7007	1	70	A	NA
Bay-0	CS22633	8260	1	70	A	NA
Ga-0	CS22634	8295	1	71	A	NA
Mrk-0	CS22635	8339	1	72	A	NA
Mz-0	CS22636	8342	1	73	A	NA
Wt-5	CS22637	8407	1	74	A	NA
Ct-1	CS22639	8280	1	76	A	NA
Mr-0	CS6795	7429	1	77	G	AG
Mr-0	CS22640	8338	1	77	G	NA
Tsu-1	CS22641	8394	1	78	G	NA
Mt-0	CS22642	6939	1	79	A	NA
Mt-0	CS22642	8341	1	79	A	NA
Nok-3	CS22643	8347	1	80	A	NA
Wa-1	CS22644	8403	1	81	G	NA
Fei-0	CS22645	8294	1	82	A	NA
Se-0	CS22646	8379	1	83	G	NA
Ts-1	CS22647	8392	1	84	G	NA
Ts-5	CS22648	8393	1	85	G	NA
Pro-0	CS22649	8360	1	86	G	NA
LL-0	CS22650	8328	1	87	G	NA
Kondara	CS22651	8319	1	88	G	NA
Shahdara	CS22652	8248	1	89	G	NA
Sorbo	CS22653	8381	1	90	G	NA
Kin-0	CS22654	8316	1	91	G	NA
Ms-0	CS22655	8340	1	92	G	NA
Bur-0	CS22656	8272	1	93	G	NA
Edi-0	CS22657	8288	1	94	A	NA
Oy-0	CS22658	8352	1	95	G	NA
Ws-2	CS22659	8406	1	96	G	NA

6.130 SNP AtMSQTsnp 370(chrom=5, pos=15065196, alignment id=756, alignment start=15065018)

Table 1061: SNP AtMSQTsnp 370(chromosome=5, position=15065196, alignment id=756, alignment start=15065018)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	7	0	0	13	0	0	0	0	0	0	0
A	0	19	88	0	9	0	0	1	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	3	1	0	100	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1062: detailed difference for SNP AtMSQTsnp 370

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	A	NA
Lv-1	CS22574	6043	1	11	A	G
Lv-1	CS22574	6043	2	11	A	NA

Lv-1	CS22574	6934	1	11	A	NA
Lv-5	CS22575	6046	1	12	A	G
Lv-5	CS22575	6046	2	12	A	NA
Lv-5	CS22575	6935	1	12	A	G
Bil-5	CS22578	6900	1	15	A	G
Bil-5	CS22578	8262	1	15	A	NA
Bil-7	CS22579	6901	1	16	A	G
Bil-7	CS22579	8263	1	16	A	G
Bor-1	CS22590	5837	1	27	G	A
HR-5	CS22205	6800	1	33	NA	G
Sq-8	CS22601	6967	1	38	A	NA
Tamm-2	CS22604	6968	1	41	NA	G
KZ-1	CS22435	6826	1	43	NA	G
KZ-1	CS22606	6930	1	43	NA	G
KZ-9	CS22441	6836	1	44	NA	G
KZ-9	CS22607	6931	1	44	NA	G
REN-1	CS22610	6959	1	47	A	NA
Ren-11	CS22611	8368	1	48	A	NA
Uod-7	CS22613	6976	1	50	A	NA
Nd-1	CS1636	7266	1	56	A	NA
Yo-0	CS6901	7416	1	61	A	NA
Ag-0	CS22630	6897	1	67	G	NA
Ra-0	CS22632	6958	1	69	G	NA
Mz-0	CS6800	7251	1	73	A	NA
Wt-5	CS22637	6982	1	74	NA	G
Wt-5	CS6896	7410	1	74	NA	G
Mr-0	CS6795	7429	1	77	A	AG
Mt-0	CS22642	6939	1	79	A	NA
Mt-0	CS6799	7249	1	79	A	NA
Se-0	CS6852	7326	1	83	G	NA
Ts-5	CS22648	6971	1	85	A	G
Ts-5	CS6871	7369	1	85	A	G
Ts-5	CS22648	8393	1	85	A	NA
LL-0	CS22650	6933	1	87	NA	G
Ll-0	CS6781	7237	1	87	NA	G
Kondara	CS22651	6929	1	88	NA	G
Kondara	CS916	7200	1	88	NA	G
Kondara	CS22651	8319	1	88	NA	G
Sorbo	CS931	7341	1	90	A	NA
Ws-2	CS22659	6981	1	96	A	G
Ws-2	CS2360	7399	1	96	A	NA
Ws-2	CS2360	7399	2	96	A	NA
Ws-2	CS22659	8406	1	96	A	NA

6.131 SNP AtMSQTsnp 372(chrom=5, pos=15569205, alignment id=926, alignment start=15568698)

Table 1063: SNP AtMSQTsnp 372(chromosome=5, position=15569205, alignment id=926, alignment start=15568698)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	7	47	0	6	0	0	1	0	0	0	0
A	0	4	105	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	34	0	0	48	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1064: detailed difference for SNP AtMSQTsnp 372

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Kno-18	CS22567	8318	1	4	G	NA
Rmx-A02	CS22568	7524	1	5	NA	A
Rmx-A02	CS22568	8370	1	5	NA	A
Pna-17	CS22570	8359	1	7	G	NA
Eden-1	CS22572	6009	3	9	NA	G
Eden-1	CS22572	6912	1	9	NA	G
Eden-2	CS22573	8287	1	10	G	NA
Fb-2	CS22576	8292	1	13	G	NA
Vr2-1	CS22580	8401	1	17	G	NA

Vr2-6	CS22581	8402	1	18	G	NA
Spr1-2	CS22582	8382	1	19	A	NA
Spr1-6	CS22583	8383	1	20	G	NA
m2-1	CS22584	8349	1	21	G	NA
M2-3	CS22585	7519	1	22	NA	A
m2-3	CS22585	8350	1	22	NA	A
Ull2-3	CS22587	8396	1	24	G	NA
Zdr-1	CS22588	6984	1	25	NA	G
Bor-1	CS22590	5837	1	27	G	NA
Bor-1	CS22590	5837	2	27	G	NA
Pu2-7	CS22592	8362	1	29	G	NA
Pu2-23	CS22593	6951	1	30	NA	A
Pu2-23	CS22453	6952	1	30	NA	A
Pu2-23	CS22593	8361	1	30	NA	A
Lp2-2	CS22594	8332	1	31	G	NA
HR-5	CS22596	8309	1	33	G	NA
HR-10	CS22597	8308	1	34	G	NA
NFA-10	CS22599	8345	1	36	G	NA
CIBC-5	CS22602	8277	1	39	G	NA
CIBC-17	CS22603	8276	1	40	G	NA
Tamm-2	CS22604	6968	1	41	NA	A
Tamm-2	CS22604	8390	1	41	NA	A
GOT-22	CS22298	6775	1	46	NA	A
GOT-22	CS22609	6920	1	46	NA	A
Got-22	CS22609	8298	1	46	NA	A
Ren-11	CS22611	8368	1	48	A	NA
Uod-7	CS22613	8399	1	50	G	NA
Gu-0	CS22617	6922	1	54	NA	A
Gu-0	CS6730	7149	1	54	NA	A
Gu-0	CS22617	8301	1	54	NA	A
Wei-0	CS22622	6979	1	59	NA	G
Wei-0	CS6182	7402	1	59	NA	AG
Yo-0	CS22624	8408	1	61	G	NA
Col-0	CS22625	8279	1	62	G	NA
An-1	CS22626	8253	1	63	G	NA
Van-0	CS22627	6977	1	64	NA	A
Van-0	CS6884	7383	1	64	NA	A
Van-0	CS22627	8400	1	64	NA	A
Est-1	CS22629	6916	1	66	NA	A
Est-1	CS6701	7129	1	66	NA	A
Est-1	CS22629	8291	1	66	NA	A
Ag-0	CS22630	6897	1	67	G	NA
Ag-0	CS22630	8251	1	67	G	NA
Gy-0	CS22631	8302	1	68	G	NA
Ra-0	CS6844	7312	1	69	NA	A
Ra-0	CS22632	8364	1	69	NA	A
Bay-0	CS22633	6899	1	70	NA	A
Bay-0	CS6608	7006	1	70	NA	A
Bay-0	CS57923	7007	1	70	NA	A
Bay-0	CS22633	8260	1	70	NA	A
Mrk-0	CS22635	8339	1	72	G	NA
Wt-5	CS22637	8407	1	74	G	NA
Ct-1	CS22639	6910	1	76	NA	A
Ct-1	CS6674	7067	1	76	NA	A
Ct-1	CS22639	8280	1	76	NA	A
Mr-0	CS6795	7429	1	77	NA	A
Mr-0	CS6795	7429	2	77	NA	A
Mr-0	CS22640	7522	1	77	NA	A
Mr-0	CS22640	8338	1	77	NA	A
Tsu-1	CS22641	6972	1	78	NA	A
Tsu-1	CS6926	7374	1	78	NA	A
Tsu-1	CS22641	8394	1	78	NA	A
Mt-0	CS22642	6939	1	79	A	NA
Mt-0	CS6799	7249	1	79	A	NA
Wa-1	CS22644	6978	1	81	NA	A
Wa-1	CS6885	7394	1	81	NA	A
Wa-1	CS22644	8403	1	81	NA	A
Fei-0	CS22645	8294	1	82	G	NA
Ts-1	CS22647	8392	1	84	G	NA
Ts-5	CS22648	8393	1	85	G	NA
Pro-0	CS22649	8360	1	86	G	NA
LL-0	CS22650	8328	1	87	G	NA
Shahdara	CS22652	8248	1	89	NA	A
Sorbo	CS22653	6963	1	90	NA	A
Sorbo	CS931	7341	1	90	NA	A
Sorbo	CS22653	8381	1	90	NA	A
Ms-0	CS22655	8340	1	92	G	NA
Bur-0	CS22656	6905	1	93	NA	G
Bur-0	CS6643	7058	1	93	NA	G
Edi-0	CS22657	6914	1	94	NA	A
Edi-0	CS6688	7111	1	94	NA	A

Edi-0	CS22657	8288	1	94	NA	A
Ws-2	CS22659	8406	1	96	G	NA

6.132 SNP AtMSQTsnp 373(chrom=5, pos=15767945, alignment id=1190, alignment start=15767914)

Table 1065: SNP AtMSQTsnp 373(chromosome=5, position=15767945, alignment id=1190, alignment start=15767914)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	6	6	0	25	0	0	1	0	0	0	0
A	0	2	49	0	2	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	1	2	0	139	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1066: detailed difference for SNP AtMSQTsnp 373

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Rmx-A180	CS22569	7525	1	6	NA	G
Rmx-A180	CS22569	8371	1	6	NA	G
Pna-17	CS22570	7523	1	7	NA	A
Pna-17	CS22570	8359	1	7	NA	A
Eden-1	CS22572	6009	4	9	A	NA
Lv-1	CS22574	6043	1	11	NA	G
Lv-1	CS22574	6043	2	11	NA	G
Lv-1	CS22574	6934	1	11	NA	G
Bil-7	CS22579	6901	1	16	NA	G
Bil-7	CS22579	8263	1	16	NA	G
M2-3	CS22585	7519	1	22	A	G
m2-3	CS22585	8350	1	22	A	G
Bor-1	CS22590	5837	1	27	G	A
Lp2-2	CS22594	7520	1	31	NA	AG
Lp2-2	CS22594	8332	1	31	NA	G
CIBC-5	CS22224	6730	1	39	NA	A
CIBC-5	CS22602	8277	1	39	NA	G
KZ-1	CS22435	6826	1	43	G	A
Lz-0	CS22615	6936	1	52	NA	G
Lz-0	CS22615	8336	1	52	NA	G
Gu-0	CS22617	6922	1	54	NA	G
Gu-0	CS6730	7149	1	54	NA	G
Gu-0	CS22617	8301	1	54	NA	G
Yo-0	CS6901	7416	1	61	A	NA
Van-0	CS22627	6977	1	64	NA	G
Van-0	CS6884	7383	1	64	NA	G
Van-0	CS22627	8400	1	64	NA	G
Ra-0	CS6844	7312	1	69	NA	G
Ra-0	CS22632	8364	1	69	NA	G
Wt-5	CS22637	6982	1	74	NA	A
Wt-5	CS6896	7410	1	74	NA	A
Wt-5	CS22637	8407	1	74	NA	A
Ct-1	CS22639	6910	1	76	NA	G
Ct-1	CS22639	8280	1	76	NA	G
Mt-0	CS22642	6939	1	79	G	NA
Ts-1	CS6868	7366	1	84	NA	G
Ts-1	CS22647	8392	1	84	NA	G
Kin-0	CS6755	7193	1	91	NA	G
Kin-0	CS22654	8316	1	91	NA	G

6.133 SNP AtMSQTsnp 378(chrom=5, pos=17171676, alignment id=1489, alignment start=17171242)

Table 1067: SNP AtMSQTsnp 378(chromosome=5, position=17171676, alignment id=1489, alignment start=17171242)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	2	0	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0
C	0	5	0	112	1	0	0	0	0	0	0	0
G	0	2	0	3	117	0	0	0	0	1	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	3	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1068: detailed difference for SNP AtMSQTsnp 378

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
KNO-10	CS22410	6809	1	3	G	C
KNO-10	CS22566	6927	1	3	G	C
Kno-10	CS22566	8317	1	3	G	C
Eden-1	CS22572	6009	4	9	C	NA
Ull2-5	CS22586	6974	1	23	NA	G
Ull2-5	CS22586	8397	1	23	NA	G
KZ-1	CS22435	6826	1	43	C	G
Ren-11	CS22611	8368	1	48	C	NA
C24	CS22620	6906	1	57	T	NA
C24	CS906	7059	1	57	T	NA
C24	CS22620	8273	1	57	T	NA
Van-0	CS22627	6977	1	64	CG	C
Van-0	CS6884	7383	1	64	CG	C
Van-0	CS22627	8400	1	64	CG	C
Ag-0	CS22630	6897	1	67	G	NA
Ra-0	CS22632	6958	1	69	C	NA
Mr-0	CS6795	7429	1	77	G	CG
Mt-0	CS22642	6939	1	79	C	NA
Mt-0	CS6799	7249	1	79	C	NA
Nok-3	CS22643	6945	1	80	T	NA
Nok-3	CS6810	7272	1	80	T	NA
Nok-3	CS22643	8347	1	80	T	NA
Se-0	CS6852	7326	1	83	G	NA

6.134 SNP AtMSQTsnp 379(chrom=5, pos=17629384, alignment id=2039, alignment start=17629093)

Table 1069: SNP AtMSQTsnp 379(chromosome=5, position=17629384, alignment id=2039, alignment start=17629093)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	8	0	0	0	0	0	0	0	0	0
A	0	5	123	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	3	2	0	111	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1070: detailed difference for SNP AtMSQTsnp 379

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Rmx-A02	CS22568	7524	1	5	NA	A
Rmx-A02	CS22568	8370	1	5	NA	A
Eden-1	CS22572	6009	4	9	A	NA
Vr2-1	CS22580	8401	1	17	G	NA
Bor-1	CS22590	5837	1	27	G	A
CIBC-5	CS22224	6730	1	39	G	A
Ren-11	CS22611	8368	1	48	G	NA
Van-0	CS22627	6977	1	64	G	NA
Br-0	CS22628	8269	1	65	A	NA

Gy-0	CS22631	8302	1	68	A	NA
Mt-0	CS22642	6939	1	79	A	NA
Wa-1	CS22644	8403	1	81	A	NA
LL-0	CS22650	6933	1	87	NA	A
Ll-0	CS6781	7237	1	87	NA	A
LL-0	CS22650	8328	1	87	NA	A
Kondara	CS22651	6929	1	88	NA	A
Kondara	CS916	7200	1	88	NA	A
Kondara	CS22651	8319	1	88	NA	A

6.135 SNP AtMSQTsnp 388(chrom=5, pos=19316200, alignment id=761, alignment start=19315950)

Table 1071: SNP AtMSQTsnp 388(chromosome=5, position=19316200, alignment id=761, alignment start=19315950)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	0	0	0	0	0	0	0	0
A	0	2	63	3	0	0	0	0	0	0	0	0
C	0	11	1	172	0	0	0	0	0	0	0	0
G	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
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1072: detailed difference for SNP AtMSQTsnp 388

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	C	NA
Bor-1	CS22590	5837	1	27	C	A
Tamm-2	CS22604	6968	1	41	C	NA
REN-1	CS22253	6866	1	47	A	C
REN-1	CS22610	6959	1	47	A	C
Ren-1	CS22610	8367	1	47	A	C
Ren-11	CS22611	8368	1	48	A	NA
Ei-2	CS22616	6915	1	53	C	NA
Ler-1	CS6928	7211	1	55	C	NA
N13	CS22491	7438	1	58	C	NA
Bay-0	CS22633	8260	1	70	C	NA
Ct-1	CS6674	7067	1	76	C	NA
Mt-0	CS22642	6939	1	79	C	NA
Wa-1	CS22644	6978	1	81	C	NA
Wa-1	CS6885	7394	1	81	C	NA
Pro-0	CS22649	8213	1	86	A	NA
Shahdara	CS22652	8248	1	89	C	NA

6.136 SNP AtMSQTsnp 390(chrom=5, pos=20215473, alignment id=970, alignment start=20214933)

Table 1073: SNP AtMSQTsnp 390(chromosome=5, position=20215473, alignment id=970, alignment start=20214933)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	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
C	0	9	0	157	0	1	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	1	0	1	0	80	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	3	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1074: detailed difference for SNP AtMSQTsnp 390

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	C	NA
Lv-1	CS22574	6043	2	11	C	NA
Lv-1	CS22574	6934	1	11	C	NA
Bor-1	CS22590	5837	1	27	T	C
CIBC-5	CS22224	6730	1	39	C	T
Ren-11	CS22611	8368	1	48	C	NA
Uod-7	CS22613	6976	1	50	C	NA
Cvi-0	CS6675	7065	1	51	C	NA
Gu-0	CS22617	6922	1	54	C	NA
Yo-0	CS6901	7416	1	61	C	NA
Van-0	CS22627	6977	1	64	CT	T
Van-0	CS6884	7383	1	64	CT	T
Van-0	CS22627	8400	1	64	CT	T
Ra-0	CS22632	6958	1	69	T	NA
Mt-0	CS22642	6939	1	79	C	NA

6.137 SNP AtMSQTsnp 392(chrom=5, pos=20409250, alignment id=994, alignment start=20408706)

Table 1075: SNP AtMSQTsnp 392(chromosome=5, position=20409250, alignment id=994, alignment start=20408706)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	14	2	0	21	0	0	0	0	0	0	0
A	0	19	44	0	2	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	58	0	0	92	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1076: detailed difference for SNP AtMSQTsnp 392

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
RRS-10	CS22565	8372	1	2	NA	G
KNO-10	CS22410	6809	1	3	NA	G
KNO-10	CS22566	6927	1	3	NA	G
KNO-18	CS22418	6817	1	4	NA	G
KNO-18	CS22567	6928	1	4	NA	G
Rmx-A02	CS22568	7524	1	5	NA	G
Rmx-A180	CS22569	8371	1	6	G	NA
Pna-17	CS22570	8359	1	7	G	NA
Eden-1	CS22572	6009	4	9	A	NA
Eden-2	CS22573	6913	1	10	NA	G
Lv-1	CS22574	6043	2	11	G	NA
Lv-5	CS22575	6046	1	12	NA	G
Lv-5	CS22575	6935	1	12	NA	G
Fb-2	CS22576	6917	1	13	NA	A
Bil-5	CS22578	8262	1	15	G	NA
Bil-7	CS22579	8263	1	16	G	NA
Vr2-1	CS22580	8401	1	17	A	NA
Vr2-6	CS22581	8402	1	18	G	NA
Spr1-2	CS22582	8382	1	19	G	NA
Spr1-6	CS22583	8383	1	20	G	NA
M2-1	CS22584	7518	1	21	NA	G
M2-3	CS22585	7519	1	22	NA	G
Ull2-5	CS22586	8397	1	23	A	NA
Ull2-3	CS22587	8396	1	24	G	NA
Zdr-1	CS22588	8409	1	25	G	NA
Zdr-6	CS22589	8410	1	26	G	NA
Bor-1	CS22590	5837	2	27	A	NA
Bor-4	CS22591	8268	1	28	G	NA
Pu2-7	CS22592	8362	1	29	G	NA
Pu2-23	CS22593	8361	1	30	G	NA
Lp2-2	CS22594	8332	1	31	G	NA
Lp2-6	CS22595	8333	1	32	G	NA
HR-5	CS22596	8309	1	33	G	NA
HR-10	CS22597	8308	1	34	G	NA

NFA-8	CS22598	8346	1	35	G	NA
NFA-10	CS22599	8345	1	36	G	NA
Sq-1	CS22600	8384	1	37	G	NA
Sq-8	CS22601	8385	1	38	A	NA
CIBC-5	CS22602	8277	1	39	G	NA
Tamm-2	CS22604	8390	1	41	G	NA
Tamm-27	CS22605	8391	1	42	G	NA
Kz-1	CS22606	8320	1	43	A	NA
Kz-9	CS22607	8322	1	44	A	NA
Got-7	CS22608	8299	1	45	G	NA
GOT-22	CS22298	6775	1	46	NA	G
GOT-22	CS22609	6920	1	46	NA	G
REN-1	CS22253	6866	1	47	A	G
REN-1	CS22610	6959	1	47	A	G
Ren-1	CS22610	8367	1	47	A	NA
Ren-11	CS22611	8368	1	48	G	NA
Uod-1	CS22612	8398	1	49	G	NA
Uod-7	CS22613	8399	1	50	G	NA
Cvi-0	CS22614	8281	1	51	G	NA
Lz-0	CS22615	8336	1	52	G	NA
Ei-2	CS22616	6915	1	53	NA	G
Ei-2	CS6689	7112	1	53	NA	G
Gu-0	CS22617	8301	1	54	G	NA
Ler-1	CS22618	8324	1	55	G	NA
C24	CS22620	8273	1	57	G	NA
N13	CS22491	8429	1	58	A	NA
Wei-0	CS22622	8404	1	59	A	NA
Ws-0	CS22623	8405	1	60	G	NA
Yo-0	CS22624	6983	1	61	NA	G
Yo-0	CS6901	7416	1	61	NA	G
Col-0	CS22625	8279	1	62	A	NA
An-1	CS22626	8253	1	63	G	NA
Van-0	CS22627	6977	1	64	G	NA
Van-0	CS22627	8400	1	64	G	NA
Br-0	CS22628	8269	1	65	G	NA
Est-1	CS22629	8291	1	66	A	NA
Ag-0	CS22630	8251	1	67	G	NA
Gy-0	CS22631	8302	1	68	G	NA
Ra-0	CS22632	8364	1	69	G	NA
Bay-0	CS22633	8260	1	70	G	NA
Ga-0	CS22634	8295	1	71	G	NA
Mrk-0	CS22635	8339	1	72	A	NA
Mz-0	CS22636	8342	1	73	G	NA
Wt-5	CS22637	8407	1	74	G	NA
Ct-1	CS22639	8280	1	76	G	NA
Mr-0	CS22640	8338	1	77	G	NA
Tsu-1	CS22641	8394	1	78	G	NA
Mt-0	CS22642	6939	1	79	G	NA
Mt-0	CS22642	8341	1	79	G	NA
Nok-3	CS22643	8347	1	80	G	NA
Wa-1	CS22644	8403	1	81	G	NA
Fei-0	CS22645	8294	1	82	G	NA
Se-0	CS22646	8379	1	83	G	NA
Ts-1	CS22647	8392	1	84	A	NA
Ts-5	CS22648	6971	1	85	NA	G
Ts-5	CS6871	7369	1	85	NA	G
Pro-0	CS22649	8213	1	86	NA	A
LL-0	CS22650	8328	1	87	A	NA
Kondara	CS22651	8319	1	88	A	NA
Shahdara	CS22652	8248	1	89	A	NA
Sorbo	CS22653	8381	1	90	A	NA
Kin-0	CS22654	6926	1	91	NA	G
Kin-0	CS6755	7193	1	91	NA	G
Ms-0	CS22655	8340	1	92	A	NA
Bur-0	CS22656	8272	1	93	G	NA
Edi-0	CS22657	8288	1	94	G	NA
Oy-0	CS22658	8352	1	95	G	NA
Ws-2	CS22659	8406	1	96	G	NA

6.138 SNP AtMSQTsnp 394(chrom=5, pos=20518330, alignment id=2759, alignment start=20518241)

Table 1077: SNP AtMSQTsnp 394(chromosome=5, position=20518330, alignment id=2759, alignment start=20518241)

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

A	0	3	143	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	1	2	0	98	0	0	1	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1078: detailed difference for SNP AtMSQTsnp 394

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Pna-10	CS22571	7526	1	8	NA	G
Pna-10	CS22571	8358	1	8	NA	G
Eden-1	CS22572	6009	4	9	A	NA
Bor-1	CS22590	5837	1	27	G	A
CIBC-5	CS22224	6730	1	39	G	A
Ra-0	CS22632	6958	1	69	G	NA
Mr-0	CS6795	7429	1	77	G	AG
Mt-0	CS22642	6939	1	79	A	NA
Fei-0	CS22645	8215	1	82	NA	A
Fei-0	CS22645	8294	1	82	NA	A
Se-0	CS6852	7326	1	83	A	NA

6.139 SNP AtMSQTsnp 395(chrom=5, pos=20915321, alignment id=981, alignment start=20915132)

Table 1079: SNP AtMSQTsnp 395(chromosome=5, position=20915321, alignment id=981, alignment start=20915132)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	0	0	0	0	0	0	0	0
A	0	4	147	0	1	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	5	1	0	90	0	0	1	0	0	0	0
T	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
AG	0	0	3	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1080: detailed difference for SNP AtMSQTsnp 395

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	G	NA
Lv-1	CS22574	6043	2	11	G	NA
CIBC-5	CS22224	6730	1	39	G	A
KZ-1	CS22435	6826	1	43	A	G
Ren-11	CS22611	8368	1	48	A	NA
Uod-7	CS22613	6976	1	50	A	NA
Cvi-0	CS6675	7065	1	51	G	NA
Gu-0	CS22617	6922	1	54	A	NA
Yo-0	CS6901	7416	1	61	G	NA
Van-0	CS22627	6977	1	64	AG	A
Van-0	CS6884	7383	1	64	AG	A
Van-0	CS22627	8400	1	64	AG	A
Ra-0	CS22632	6958	1	69	G	NA
Mr-0	CS6795	7429	1	77	G	AG
Mt-0	CS22642	6939	1	79	A	NA

6.140 SNP AtMSQTsnp 397(chrom=5, pos=22040877, alignment id=992, alignment start=22040690)

Table 1081: SNP AtMSQTsnp 397(chromosome=5, position=22040877, alignment id=992, alignment start=22040690)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	6	0	0	0	0	0	0	0
A	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
G	0	3	0	0	161	2	0	0	0	0	0	0
T	0	0	0	0	0	76	0	0	0	0	0	1
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	3	0	0	0	0	0	0

Table 1082: detailed difference for SNP AtMSQTsnp 397

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
KNO-10	CS22410	6809	1	3	NA	G
KNO-10	CS22566	6927	1	3	NA	G
Kno-10	CS22566	8317	1	3	NA	G
Eden-1	CS22572	6009	4	9	G	NA
Lv-1	CS22574	6043	1	11	NA	G
Lv-1	CS22574	6043	2	11	NA	G
Lv-1	CS22574	6934	1	11	NA	G
CIBC-5	CS22224	6730	1	39	G	T
KZ-1	CS22435	6826	1	43	G	T
Van-0	CS22627	6977	1	64	GT	T
Van-0	CS6884	7383	1	64	GT	T
Van-0	CS22627	8400	1	64	GT	T
Ra-0	CS22632	6958	1	69	G	NA
Mr-0	CS6795	7429	1	77	T	GT
Mt-0	CS22642	6939	1	79	G	NA

6.141 SNP AtMSQTsnp 398(chrom=5, pos=22116788, alignment id=642, alignment start=22116605)

Table 1083: SNP AtMSQTsnp 398(chromosome=5, position=22116788, alignment id=642, alignment start=22116605)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	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
C	0	38	0	81	1	0	0	0	0	0	0	0
G	0	45	0	0	87	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1084: detailed difference for SNP AtMSQTsnp 398

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	1	9	C	NA
Eden-1	CS22572	6009	2	9	C	NA
Eden-1	CS22572	6009	4	9	C	NA
Eden-1	CS22572	6912	1	9	C	NA
Eden-2	CS22573	6913	1	10	C	NA
Lv-1	CS22574	6043	2	11	C	NA
Fb-2	CS22576	6917	1	13	G	NA
Fb-4	CS22577	6918	1	14	G	NA
Bil-5	CS22578	6900	1	15	G	NA
Bil-7	CS22579	6901	1	16	G	NA
Vr2-1	CS22580	7516	1	17	G	NA
Vr2-6	CS22581	7517	1	18	G	NA
Spr1-2	CS22582	6964	1	19	C	NA
Spr1-6	CS22583	6965	1	20	C	NA
M2-1	CS22584	7518	1	21	G	NA
M2-3	CS22585	7519	1	22	C	NA

Ull2-5	CS22586	6974	1	23	G	NA
Ull2-3	CS22587	6973	1	24	G	NA
Zdr-6	CS22589	6985	1	26	C	NA
Bor-1	CS22590	5837	1	27	C	G
Pu2-7	CS22592	6956	1	29	C	NA
Pu2-23	CS22453	6952	1	30	C	NA
Lp2-2	CS22594	7520	1	31	C	NA
Lp2-6	CS22595	7521	1	32	C	NA
HR-5	CS22205	6800	1	33	G	NA
HR-5	CS22596	6924	1	33	G	NA
Sq-1	CS22600	6966	1	37	G	NA
Sq-8	CS22601	6967	1	38	G	NA
CIBC-5	CS22224	6730	1	39	G	NA
CIBC-5	CS22602	6908	1	39	G	NA
CIBC-17	CS22236	6724	1	40	G	NA
CIBC-17	CS22603	6907	1	40	G	NA
Tamm-2	CS22604	6968	1	41	G	NA
Tamm-27	CS22605	6969	1	42	G	NA
KZ-1	CS22435	6826	1	43	C	NA
KZ-1	CS22606	6930	1	43	C	NA
KZ-9	CS22441	6836	1	44	C	NA
KZ-9	CS22607	6931	1	44	C	NA
REN-1	CS22253	6866	1	47	G	NA
REN-1	CS22610	6959	1	47	G	NA
Uod-7	CS22613	6976	1	50	C	NA
Cvi-0	CS6675	7065	1	51	C	NA
Lz-0	CS22615	6936	1	52	G	NA
Lz-0	CS6788	7219	1	52	G	NA
Gu-0	CS22617	6922	1	54	G	NA
Ler-1	CS22618	6932	1	55	G	NA
Ler-1	CS6928	7211	1	55	G	NA
Nd-1	CS1636	7266	1	56	G	NA
N13	CS22621	6941	1	58	G	NA
Ws-0	CS22623	6980	1	60	G	NA
Ws-0	CS6891	7396	1	60	G	NA
Yo-0	CS6901	7416	1	61	G	NA
Van-0	CS6884	7383	1	64	C	NA
Br-0	CS22628	6904	1	65	C	NA
Br-0	CS6626	7027	1	65	C	NA
Ag-0	CS6601	6999	1	67	G	NA
Ra-0	CS22632	6958	1	69	G	NA
Mrk-0	CS22635	6937	1	72	C	NA
Mrk-0	CS6796	7247	1	72	C	NA
Mz-0	CS22636	6940	1	73	G	NA
Mz-0	CS6800	7251	1	73	G	NA
Kas-2	CS22638	6925	1	75	C	NA
Kas-2	CS6751	7184	1	75	C	NA
Mr-0	CS6795	7429	1	77	C	NA
Mr-0	CS6795	7429	2	77	C	NA
Mr-0	CS22640	7522	1	77	C	NA
Mt-0	CS22642	6939	1	79	G	NA
Mt-0	CS6799	7249	1	79	G	NA
Nok-3	CS22643	6945	1	80	G	NA
Nok-3	CS6810	7272	1	80	G	NA
Ts-5	CS22648	6971	1	85	C	NA
Ts-5	CS6871	7369	1	85	C	NA
LL-0	CS22650	6933	1	87	G	NA
Ll-0	CS6781	7237	1	87	G	NA
Kondara	CS22651	6929	1	88	C	NA
Kondara	CS916	7200	1	88	C	NA
Sorbo	CS22653	6963	1	90	C	NA
Sorbo	CS931	7341	1	90	C	NA
Kin-0	CS22654	6926	1	91	G	NA
Kin-0	CS6755	7193	1	91	G	NA
Edi-0	CS22657	6914	1	94	G	NA
Edi-0	CS6688	7111	1	94	G	NA
Ws-2	CS22659	6981	1	96	C	NA
Ws-2	CS2360	7399	1	96	C	NA

6.142 SNP AtMSQTsnp 399(chrom=5, pos=22414941, alignment id=146, alignment start=22414510)

Table 1085: SNP AtMSQTsnp 399(chromosome=5, position=22414941, alignment id=146, alignment start=22414510)

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

A	0	5	148	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	5	1	0	93	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1086: detailed difference for SNP AtMSQTsnp 399

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	A	NA
Lv-1	CS22574	6043	2	11	A	NA
Lv-1	CS22574	6934	1	11	A	NA
CIBC-5	CS22224	6730	1	39	G	A
Uod-7	CS22613	6976	1	50	A	NA
Cvi-0	CS6675	7065	1	51	G	NA
Gu-0	CS22617	6922	1	54	G	NA
Nd-1	CS1636	7266	1	56	G	NA
Yo-0	CS6901	7416	1	61	G	NA
Ra-0	CS22632	6958	1	69	A	NA
Mt-0	CS22642	6939	1	79	G	NA

6.143 SNP AtMSQTsnp 404(chrom=5, pos=23270994, alignment id=1391, alignment start=23270845)

Table 1087: SNP AtMSQTsnp 404(chromosome=5, position=23270994, alignment id=1391, alignment start=23270845)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	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
A	0	0	0	0	0	0	0	0	0	0	0	0
C	0	5	0	133	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	3	0	0	0	108	0	0	0	0	1	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1088: detailed difference for SNP AtMSQTsnp 404

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Rmx-A02	CS22568	7524	1	5	NA	T
Rmx-A02	CS22568	8370	1	5	NA	T
Eden-1	CS22572	6009	4	9	C	NA
Eden-1	CS22572	6912	1	9	C	NA
Tamm-2	CS22604	6968	1	41	C	NA
KZ-1	CS22435	6826	1	43	T	CT
Mr-0	CS6795	7429	1	77	C	NA
Mt-0	CS22642	6939	1	79	T	NA
Wa-1	CS22644	6978	1	81	T	NA
Pro-0	CS22649	8213	1	86	C	NA
Shahdara	CS22652	8248	1	89	T	NA

6.144 SNP AtMSQTsnp 406(chrom=5, pos=23815848, alignment id=978, alignment start=23815354)

Table 1089: SNP AtMSQTsnp 406(chromosome=5, position=23815848, alignment id=978, alignment start=23815354)

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

A	0	68	104	0	1	0	0	1	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	31	1	0	45	0	0	1	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1090: detailed difference for SNP AtMSQTsnp 406

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
RRS-10	CS22565	8372	1	2	A	NA
Kno-10	CS22566	8317	1	3	A	NA
Kno-18	CS22567	8318	1	4	A	NA
Rmx-A02	CS22568	8370	1	5	A	NA
Rmx-A180	CS22569	8371	1	6	A	NA
Pna-17	CS22570	8359	1	7	A	NA
Pna-10	CS22571	8358	1	8	A	NA
Eden-1	CS22572	6009	4	9	A	NA
Eden-2	CS22573	8287	1	10	A	NA
Lv-1	CS22574	6043	2	11	G	NA
Lv-5	CS22575	6046	2	12	G	NA
Fb-2	CS22576	8292	1	13	A	NA
Fb-4	CS22577	8293	1	14	A	NA
Bil-5	CS22578	8262	1	15	G	NA
Bil-7	CS22579	8263	1	16	G	NA
Vr2-1	CS22580	8401	1	17	G	NA
Vr2-6	CS22581	8402	1	18	G	NA
Spr1-2	CS22582	8382	1	19	G	NA
Spr1-6	CS22583	8383	1	20	A	NA
m2-1	CS22584	8349	1	21	G	NA
m2-3	CS22585	8350	1	22	G	NA
Ull2-5	CS22586	8397	1	23	G	NA
Ull2-3	CS22587	8396	1	24	A	NA
Zdr-1	CS22588	8409	1	25	A	NA
Zdr-6	CS22589	8410	1	26	G	NA
Bor-1	CS22590	5837	1	27	G	A
Bor-1	CS22590	5837	2	27	G	NA
Bor-4	CS22591	8268	1	28	A	NA
Pu2-7	CS22592	8362	1	29	G	NA
Pu2-23	CS22593	8361	1	30	A	NA
Lp2-2	CS22594	8332	1	31	G	NA
Lp2-6	CS22595	8333	1	32	G	NA
HR-5	CS22596	8309	1	33	A	NA
HR-10	CS22597	8308	1	34	A	NA
NFA-8	CS22598	8346	1	35	A	NA
NFA-10	CS22599	8345	1	36	A	NA
Sq-1	CS22600	8384	1	37	A	NA
Sq-8	CS22601	8385	1	38	A	NA
CIBC-5	CS22224	6730	1	39	A	G
CIBC-5	CS22602	8277	1	39	A	NA
CIBC-17	CS22603	8276	1	40	A	NA
Tamm-2	CS22604	8390	1	41	A	NA
Tamm-27	CS22605	8391	1	42	A	NA
KZ-1	CS22435	6826	1	43	A	AG
Kz-1	CS22606	8320	1	43	A	NA
Kz-9	CS22607	8322	1	44	G	NA
Got-7	CS22608	8299	1	45	A	NA
Got-22	CS22609	8298	1	46	A	NA
Ren-1	CS22610	8367	1	47	A	NA
Ren-11	CS22611	8368	1	48	A	NA
Uod-1	CS22612	8398	1	49	G	NA
Uod-7	CS22613	8399	1	50	A	NA
Cvi-0	CS22614	8281	1	51	A	NA
Lz-0	CS22615	8336	1	52	G	NA
Ei-2	CS22616	8289	1	53	A	NA
Gu-0	CS22617	8301	1	54	A	NA
Ler-1	CS22618	8324	1	55	G	NA
Nd-1	CS22619	8344	1	56	G	NA
C24	CS22620	8273	1	57	G	NA
N13	CS22491	7438	1	58	A	NA
N13	CS22491	8429	1	58	A	NA
Wei-0	CS22622	8404	1	59	A	NA
Ws-0	CS22623	8405	1	60	A	NA
Yo-0	CS22624	8408	1	61	A	NA
Col-0	CS22625	8279	1	62	A	NA

An-1	CS22626	8253	1	63	A	NA
Van-0	CS22627	6977	1	64	G	NA
Van-0	CS22627	8400	1	64	G	NA
Br-0	CS6626	7027	1	65	G	NA
Br-0	CS22628	8269	1	65	G	NA
Est-1	CS22629	8291	1	66	G	NA
Ag-0	CS22630	8251	1	67	G	NA
Gy-0	CS22631	8302	1	68	A	NA
Ra-0	CS22632	8364	1	69	A	NA
Bay-0	CS22633	8260	1	70	G	NA
Ga-0	CS22634	8295	1	71	A	NA
Mrk-0	CS22635	8339	1	72	A	NA
Mz-0	CS22636	8342	1	73	A	NA
Wt-5	CS22637	8407	1	74	A	NA
Ct-1	CS22639	8280	1	76	A	NA
Mr-0	CS6795	7429	1	77	G	AG
Mr-0	CS22640	8338	1	77	G	NA
Tsu-1	CS22641	8394	1	78	A	NA
Mt-0	CS22642	6939	1	79	A	NA
Mt-0	CS6799	7249	1	79	A	NA
Mt-0	CS22642	8341	1	79	A	NA
Nok-3	CS22643	8347	1	80	A	NA
Wa-1	CS22644	8403	1	81	A	NA
Fei-0	CS22645	8294	1	82	A	NA
Se-0	CS22646	8379	1	83	A	NA
Ts-1	CS22647	8392	1	84	A	NA
Ts-5	CS22648	8393	1	85	A	NA
Pro-0	CS22649	8360	1	86	A	NA
LL-0	CS22650	8328	1	87	A	NA
Kondara	CS22651	8319	1	88	A	NA
Shahdara	CS22652	8248	1	89	A	NA
Sorbo	CS22653	8381	1	90	A	NA
Kin-0	CS22654	8316	1	91	A	NA
Ms-0	CS22655	8340	1	92	A	NA
Bur-0	CS22656	8272	1	93	G	NA
Edi-0	CS22657	8288	1	94	G	NA
Oy-0	CS22658	8352	1	95	A	NA
Ws-2	CS22659	8406	1	96	A	NA

6.145 SNP AtMSQTsnp 408(chrom=5, pos=25301234, alignment id=2690, alignment start=25300706)

Table 1091: SNP AtMSQTsnp 408(chromosome=5, position=25301234, alignment id=2690, alignment start=25300706)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	5	0	0	0	0	0	0	0	0	0
A	0	1	137	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	2	1	0	106	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1092: detailed difference for SNP AtMSQTsnp 408

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Rmx-A02	CS22568	7524	1	5	NA	A
Rmx-A02	CS22568	8370	1	5	NA	A
Eden-1	CS22572	6009	4	9	G	NA
Lv-1	CS22574	6043	1	11	NA	A
Lv-1	CS22574	6043	2	11	NA	A
Lv-1	CS22574	6934	1	11	NA	A
Bor-1	CS22590	5837	1	27	G	A
Ra-0	CS22632	6958	1	69	A	NA
Mt-0	CS22642	6939	1	79	G	NA

6.146 SNP AtMSQTsnp 409(chrom=5, pos=26029439, alignment id=2404, alignment start=26029366)

Table 1093: SNP AtMSQTsnp 409(chromosome=5, position=26029439, alignment id=2404, alignment start=26029366)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	2	0	0	0	1	0	0	0	0	0	0
A	0	0	0	0	0	0	0	0	0	0	0	0
C	0	41	0	110	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0
T	0	36	0	0	0	62	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1094: detailed difference for SNP AtMSQTsnp 409

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	1	9	T	NA
Eden-1	CS22572	6009	2	9	T	NA
Eden-1	CS22572	6009	4	9	T	NA
Eden-1	CS22572	6912	1	9	T	NA
Eden-2	CS22573	6913	1	10	T	NA
Fb-2	CS22576	6917	1	13	T	NA
Fb-4	CS22577	6918	1	14	T	NA
Bil-5	CS22578	6900	1	15	T	NA
Bil-7	CS22579	6901	1	16	T	NA
Vr2-1	CS22580	7516	1	17	T	NA
Vr2-6	CS22581	7517	1	18	T	NA
Spr1-2	CS22582	6964	1	19	C	NA
Spr1-6	CS22583	6965	1	20	C	NA
M2-1	CS22584	7518	1	21	C	NA
M2-3	CS22585	7519	1	22	C	NA
Ull2-5	CS22586	6974	1	23	T	NA
Ull2-3	CS22587	6973	1	24	C	NA
Zdr-6	CS22589	6985	1	26	C	NA
Pu2-7	CS22592	6956	1	29	C	NA
Pu2-23	CS22453	6952	1	30	T	NA
Lp2-2	CS22594	7520	1	31	C	NA
Lp2-6	CS22595	7521	1	32	C	NA
HR-5	CS22205	6800	1	33	C	NA
HR-5	CS22596	6924	1	33	C	NA
Sq-1	CS22600	6966	1	37	C	NA
Sq-8	CS22601	6967	1	38	C	NA
CIBC-5	CS22224	6730	1	39	C	NA
CIBC-5	CS22602	6908	1	39	C	NA
CIBC-17	CS22236	6724	1	40	C	NA
CIBC-17	CS22603	6907	1	40	C	NA
Tamm-2	CS22604	6968	1	41	T	NA
Tamm-27	CS22605	6969	1	42	T	NA
KZ-1	CS22435	6826	1	43	C	NA
KZ-1	CS22606	6930	1	43	C	NA
KZ-9	CS22441	6836	1	44	C	NA
KZ-9	CS22607	6931	1	44	C	NA
REN-1	CS22253	6866	1	47	C	NA
REN-1	CS22610	6959	1	47	C	NA
Lz-0	CS22615	6936	1	52	C	NA
Lz-0	CS6788	7219	1	52	C	NA
Ler-1	CS22618	6932	1	55	C	NA
Ler-1	CS6928	7211	1	55	C	NA
N13	CS22621	6941	1	58	T	NA
Ws-0	CS22623	6980	1	60	T	NA
Ws-0	CS6891	7396	1	60	T	NA
Yo-0	CS6901	7416	1	61	C	NA
Van-0	CS6884	7383	1	64	T	NA
Br-0	CS22628	6904	1	65	C	NA
Br-0	CS6626	7027	1	65	C	NA
Ag-0	CS6601	6999	1	67	T	NA
Ra-0	CS22632	6958	1	69	C	NA
Mrk-0	CS22635	6937	1	72	C	NA
Mrk-0	CS6796	7247	1	72	C	NA
Mz-0	CS22636	6940	1	73	C	NA
Mz-0	CS6800	7251	1	73	C	NA
Kas-2	CS22638	6925	1	75	T	NA
Kas-2	CS6751	7184	1	75	T	NA
Mr-0	CS6795	7429	1	77	T	NA

Mr-0	CS6795	7429	2	77	T	NA
Mr-0	CS22640	7522	1	77	T	NA
Mt-0	CS22642	6939	1	79	C	NA
Mt-0	CS6799	7249	1	79	C	NA
Nok-3	CS22643	6945	1	80	C	NA
Nok-3	CS6810	7272	1	80	C	NA
Ts-5	CS22648	6971	1	85	T	NA
Ts-5	CS6871	7369	1	85	T	NA
LL-0	CS22650	6933	1	87	T	NA
Ll-0	CS6781	7237	1	87	T	NA
Kondara	CS22651	6929	1	88	T	NA
Kondara	CS916	7200	1	88	T	NA
Sorbo	CS22653	8381	1	90	NA	T
Kin-0	CS22654	6926	1	91	C	NA
Kin-0	CS6755	7193	1	91	C	NA
Edi-0	CS22657	6914	1	94	T	NA
Edi-0	CS6688	7111	1	94	T	NA
Ws-2	CS22659	6981	1	96	T	NA
Ws-2	CS2360	7399	1	96	T	NA
Ws-2	CS2360	7399	2	96	T	NA

6.147 SNP AtMSQTsnp 410(chrom=5, pos=26120955, alignment id=596, alignment start=26120843)

Table 1095: SNP AtMSQTsnp 410(chromosome=5, position=26120955, alignment id=596, alignment start=26120843)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	0	0	0	0	0	0	0	0	0	0
A	0	4	126	0	2	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	2	0	0	110	0	0	2	0	0	0	0
T	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
AG	0	0	0	0	3	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1096: detailed difference for SNP AtMSQTsnp 410

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	A	NA
Bor-1	CS22590	5837	1	27	A	G
CIBC-5	CS22224	6730	1	39	A	G
Tamm-2	CS22604	6968	1	41	A	NA
KZ-1	CS22435	6826	1	43	G	AG
Van-0	CS22627	6977	1	64	AG	G
Van-0	CS6884	7383	1	64	AG	G
Van-0	CS22627	8400	1	64	AG	G
Mr-0	CS6795	7429	1	77	G	AG
Mt-0	CS22642	6939	1	79	A	NA
Wa-1	CS22644	6978	1	81	G	NA
Pro-0	CS22649	8213	1	86	A	NA
Shahdara	CS22652	8248	1	89	G	NA

6.148 SNP AtMSQTsnp 412(chrom=5, pos=26379972, alignment id=2302, alignment start=26379717)

Table 1097: SNP AtMSQTsnp 412(chromosome=5, position=26379972, alignment id=2302, alignment start=26379717)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	0	6	0	0	0	0	0	0	0	0	0
A	0	6	169	0	0	0	0	0	0	0	0	0
C	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
T	0	4	0	0	0	64	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0

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

Table 1098: detailed difference for SNP AtMSQTsnp 412

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Eden-1	CS22572	6009	4	9	T	NA
Eden-1	CS22572	6912	1	9	T	NA
Tamm-2	CS22604	6968	1	41	T	NA
Ren-11	CS22611	8368	1	48	A	NA
Cvi-0	CS22614	6911	1	51	NA	A
Cvi-0	CS6675	7065	1	51	NA	A
Cvi-0	CS22614	8281	1	51	NA	A
Br-0	CS6626	7027	1	65	A	NA
Mrk-0	CS22635	6937	1	72	NA	A
Mrk-0	CS6796	7247	1	72	NA	A
Mrk-0	CS22635	8339	1	72	NA	A
Mt-0	CS22642	6939	1	79	A	NA
Mt-0	CS6799	7249	1	79	A	NA
Wa-1	CS22644	6978	1	81	T	NA
Pro-0	CS22649	8213	1	86	A	NA
Shahdara	CS22652	8248	1	89	A	NA

6.149 SNP AtMSQTsnp 415(chrom=5, pos=26708459, alignment id=2711, alignment start=26707937)

Table 1099: SNP AtMSQTsnp 415(chromosome=5, position=26708459, alignment id=2711, alignment start=26707937)

	-	NA	A	C	G	T	AC	AG	AT	CG	CT	GT
-	0	0	0	0	0	0	0	0	0	0	0	0
NA	0	3	21	0	56	0	0	0	0	0	0	0
A	0	2	79	0	3	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
G	0	2	0	0	86	0	0	0	0	0	0	0
T	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
AG	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0
GT	0	0	0	0	0	0	0	0	0	0	0	0

Table 1100: detailed difference for SNP AtMSQTsnp 415

nativename	stkparent	ecotype_id	duplicate	accession_id	pcr_call	sequenom_call
Rmx-A02	CS22568	7524	1	5	NA	A
Rmx-A02	CS22568	8370	1	5	NA	A
Pna-17	CS22570	7523	1	7	NA	G
Pna-17	CS22570	8359	1	7	NA	G
Pna-10	CS22571	7526	1	8	NA	A
Pna-10	CS22571	8358	1	8	NA	A
Eden-1	CS22572	6009	1	9	NA	G
Eden-1	CS22572	6009	2	9	NA	G
Eden-1	CS22572	6009	3	9	NA	G
Eden-1	CS22572	6912	1	9	NA	G
Eden-2	CS22573	6913	1	10	NA	G
Eden-2	CS22573	8287	1	10	NA	G
Lv-5	CS22575	6046	1	12	NA	G
Lv-5	CS22575	6046	2	12	NA	G
Lv-5	CS22575	6935	1	12	NA	G
Bil-5	CS22578	6900	1	15	NA	G
Bil-5	CS22578	8262	1	15	NA	G
Vr2-6	CS22581	7517	1	18	NA	G
Vr2-6	CS22581	8402	1	18	NA	G
Spr1-2	CS22582	6964	1	19	NA	G
Spr1-2	CS22582	8382	1	19	NA	G
M2-3	CS22585	7519	1	22	NA	G
m2-3	CS22585	8350	1	22	NA	G
Bor-1	CS22590	5837	1	27	NA	A
Bor-1	CS22590	5837	2	27	NA	G
Bor-1	CS22590	6902	1	27	NA	G

Lp2-2	CS22594	7520	1	31	NA	G
Lp2-2	CS22594	8332	1	31	NA	G
Lp2-6	CS22595	7521	1	32	NA	G
Lp2-6	CS22595	8333	1	32	NA	G
Sq-8	CS22601	6967	1	38	NA	G
Sq-8	CS22601	8385	1	38	NA	G
CIBC-5	CS22224	6730	1	39	NA	G
CIBC-5	CS22602	6908	1	39	NA	A
CIBC-5	CS22602	8277	1	39	NA	A
CIBC-17	CS22236	6724	1	40	A	G
CIBC-17	CS22603	6907	1	40	A	G
CIBC-17	CS22603	8276	1	40	A	G
Tamm-2	CS22604	6968	1	41	G	NA
Tamm-27	CS22605	6969	1	42	NA	G
Tamm-27	CS22605	8391	1	42	NA	G
GOT-7	CS22608	6921	1	45	NA	G
Got-7	CS22608	8299	1	45	NA	G
Ren-11	CS22611	8368	1	48	A	NA
Ei-2	CS22616	6915	1	53	NA	G
Ei-2	CS6689	7112	1	53	NA	G
Ei-2	CS22616	8289	1	53	NA	G
C24	CS22620	6906	1	57	NA	A
C24	CS906	7059	1	57	NA	A
C24	CS22620	8273	1	57	NA	A
Est-1	CS22629	6916	1	66	NA	G
Est-1	CS6701	7129	1	66	NA	G
Est-1	CS22629	8291	1	66	NA	G
Ag-0	CS22630	6897	1	67	NA	A
Ag-0	CS6601	6999	1	67	NA	A
Ag-0	CS22630	8251	1	67	NA	A
Mrk-0	CS22635	6937	1	72	NA	G
Mrk-0	CS6796	7247	1	72	NA	G
Mrk-0	CS22635	8339	1	72	NA	G
Mz-0	CS22636	6940	1	73	NA	G
Mz-0	CS6800	7251	1	73	NA	G
Mz-0	CS22636	8342	1	73	NA	G
Wt-5	CS22637	6982	1	74	NA	A
Wt-5	CS6896	7410	1	74	NA	A
Wt-5	CS22637	8407	1	74	NA	A
Mt-0	CS22642	6939	1	79	G	NA
Wa-1	CS6885	7394	1	81	NA	G
Wa-1	CS22644	8403	1	81	NA	G
Fei-0	CS22645	8215	1	82	NA	A
Fei-0	CS22645	8294	1	82	NA	A
Pro-0	CS22649	8213	1	86	A	NA
Kin-0	CS22654	6926	1	91	NA	A
Kin-0	CS6755	7193	1	91	NA	A
Kin-0	CS22654	8316	1	91	NA	A
Bur-0	CS22656	6905	1	93	NA	G
Bur-0	CS6643	7058	1	93	NA	G
Bur-0	CS22656	8272	1	93	NA	G
Oy-0	CS22658	6946	1	95	NA	G
Oy-0	CS6824	7288	1	95	NA	G
Oy-0	CS22658	8352	1	95	NA	G
Ws-2	CS22659	6981	1	96	NA	G
Ws-2	CS2360	7399	1	96	NA	G
Ws-2	CS2360	7399	2	96	NA	G
Ws-2	CS22659	8406	1	96	NA	G