

Table S5. Genotypes in 290 tomato accessions for nine single nucleotide polymorphisms (SNPs) identified to be significantly associated with powdery mildew resistance (PMR) in the genome-wide association study (GWAS).

| Pheno type | Accession | PDI (%) | SNPs | | | | | | | | |
|------------|-----------|---------|--------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | | | AX-95811257 ^a | AX-95803738 | AX-95799308 | AX-95776428 | AX-95771531 | AX-95783448 | AX-95813371 | AX-95810925 | AX-95801454 |
| R | KNU17 | 0.00 | T | T | G | C | C | A | G | G | G |
| R | A1162 | 0.00 | Y | C | A | T | T | C | A | A | G |
| R | A1161 | 0.00 | T | C | A | T | T | C | R | A | G |
| R | A1216 | 0.00 | T | C | A | T | T | C | G | A | A |
| R | LA1963 | 0.00 | C | T | A | Y | T | N | R | R | R |
| R | LA2932 | 0.00 | C | Y | A | Y | Y | M | R | R | R |
| R | LA2663 | 0.00 | C | C | A | N | Y | M | R | R | R |
| R | LA1274 | 0.00 | C | Y | A | N | T | M | G | N | N |
| R | LA1141 | 0.00 | C | Y | A | T | T | C | G | A | G |
| R | PI126445 | 0.00 | C | Y | R | T | Y | M | G | R | R |
| R | LA1809 | 0.00 | C | N | G | T | T | C | G | A | R |
| R | LA1674 | 0.00 | C | Y | R | T | T | M | G | R | N |
| R | LA1272 | 0.00 | C | Y | A | T | T | N | N | R | R |
| R | LA2744 | 0.00 | C | Y | A | Y | N | M | G | R | R |
| R | LA2181 | 0.00 | C | T | A | T | T | C | G | A | G |
| R | KNU16 | 4.76 | T | T | G | C | C | A | G | G | G |
| R | LA0716 | 4.76 | C | T | G | T | T | M | G | A | N |
| R | LA1340 | 5.56 | C | T | G | T | T | M | G | A | R |
| R | LA2184 | 5.56 | Y | Y | A | T | T | C | G | A | G |
| R | PI308182 | 6.67 | C | Y | R | T | Y | M | G | R | R |

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|----|----------|-------|---|---|---|---|---|---|---|---|---|
| R | PI134418 | 8.33 | C | Y | R | T | Y | N | G | R | R |
| R | A1164 | 9.52 | Y | C | A | T | T | C | G | A | G |
| MR | A1168 | 11.11 | C | C | A | T | T | C | G | R | G |
| MR | A1155 | 11.11 | T | C | A | T | T | C | G | A | G |
| MR | LA2852 | 11.11 | C | C | A | Y | Y | C | G | A | G |
| MR | A1189 | 12.50 | T | C | A | T | T | C | G | A | G |
| MR | A1170 | 13.33 | T | C | A | T | Y | C | G | A | G |
| MR | LA0722 | 13.33 | C | C | A | T | T | C | G | A | G |
| MR | LA1461 | 14.29 | T | T | G | C | C | A | G | G | G |
| MR | PI180721 | 14.81 | C | T | G | C | C | A | G | G | A |
| MR | A1169 | 16.67 | T | C | A | T | Y | C | G | A | G |
| MR | A1165 | 16.67 | T | C | N | T | Y | C | G | A | G |
| MR | LA1777 | 16.67 | C | T | G | T | T | C | G | A | N |
| MR | LA0407 | 16.67 | C | Y | R | T | Y | C | G | R | R |
| MR | PI134417 | 16.67 | C | Y | R | T | Y | N | G | R | R |
| MR | LA2312 | 19.05 | C | C | A | T | T | C | G | A | A |
| MR | A1156 | 19.05 | T | C | A | T | T | C | G | A | G |
| MR | LA1457 | 20.00 | C | C | A | T | T | C | G | G | G |
| MR | A1151 | 20.00 | T | C | A | T | T | C | G | A | R |
| MR | LA2185 | 20.00 | C | C | A | T | T | M | R | R | R |
| MR | BT0911 | 20.83 | T | Y | N | Y | Y | C | G | A | G |
| MR | PI205037 | 22.22 | T | T | G | C | C | A | A | A | G |
| MR | KNU11 | 22.22 | T | C | A | T | T | M | G | G | G |
| MR | A1173 | 22.22 | T | C | A | T | T | C | G | A | G |
| MR | A1167 | 22.22 | T | C | A | T | Y | C | G | A | G |

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|----|-----------|-------|---|---|---|---|---|---|---|---|---|
| MR | A1217 | 22.22 | T | C | A | T | Y | C | G | A | G |
| MR | A1206 | 22.22 | T | C | A | T | T | C | G | A | A |
| MR | A1208 | 22.22 | T | C | A | T | T | C | G | A | A |
| MR | LA1582 | 22.22 | C | Y | A | T | T | C | G | A | G |
| MR | A1236 | 23.33 | T | C | A | T | T | C | G | A | G |
| MR | A1248 | 25.00 | C | C | A | T | T | C | G | A | G |
| MR | AVTO98039 | 25.00 | C | C | A | T | T | C | A | A | G |
| MR | A1234 | 25.93 | T | C | A | T | T | C | G | A | A |
| MR | A1260 | 26.67 | T | C | N | T | T | C | G | A | G |
| MR | LA1455 | 27.78 | C | T | G | C | C | A | G | G | G |
| MR | A1198 | 27.78 | T | C | A | T | T | C | G | A | A |
| MR | LA2779 | 27.78 | C | Y | A | N | T | N | R | R | R |
| MR | LA1246 | 27.78 | C | C | A | T | T | C | G | A | G |
| MR | A1222 | 28.57 | T | C | A | T | T | C | G | A | G |
| MR | A1219 | 29.17 | T | C | A | T | T | C | G | A | G |
| MR | A1163 | 29.17 | Y | C | A | T | T | C | G | A | G |
| MR | A1247 | 29.17 | T | C | A | T | T | C | A | A | A |
| MR | LA4245 | 29.17 | T | C | A | T | T | C | N | A | G |
| MR | A1227 | 29.17 | T | C | A | T | T | C | G | A | A |
| MR | A1246 | 29.17 | C | C | A | T | T | C | G | A | G |
| MR | LA1028 | 29.17 | C | C | A | T | Y | N | R | R | R |
| MR | LA1941 | 29.17 | C | T | G | T | T | C | G | A | G |
| MR | LA1578 | 29.17 | C | C | A | T | T | C | G | A | G |
| MR | A1215 | 29.63 | T | C | A | T | T | C | G | A | A |
| S | LA2626 | 33.33 | C | C | A | T | T | C | G | A | G |

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|---|----------|-------|---|---|---|---|---|---|---|---|---|
| S | LA1512 | 33.33 | C | C | A | T | T | C | A | G | G |
| S | LA2308 | 33.33 | Y | C | R | T | T | M | G | G | R |
| S | PI254655 | 33.33 | C | C | R | N | T | M | A | G | A |
| S | A1157 | 33.33 | T | C | A | T | T | C | G | A | G |
| S | BT0902 | 33.33 | C | C | A | T | T | C | A | A | G |
| S | A1199 | 33.33 | T | C | N | T | T | C | G | A | A |
| S | A1243 | 33.33 | T | C | A | T | T | C | A | A | G |
| S | BT0912 | 33.33 | T | C | A | T | T | C | G | A | G |
| S | A1237 | 33.33 | T | C | A | T | T | C | G | A | G |
| S | A1223 | 33.33 | T | C | A | T | T | C | G | A | A |
| S | LA1406 | 33.33 | N | Y | A | T | T | C | G | A | G |
| S | LA1930 | 33.33 | C | Y | A | Y | T | M | R | A | R |
| S | LA1946 | 33.33 | C | C | G | T | T | M | G | A | R |
| S | LA2533 | 33.33 | Y | C | A | T | T | C | G | A | G |
| S | A1245 | 36.67 | T | C | A | T | T | C | A | A | G |
| S | A1207 | 36.67 | T | C | A | T | T | C | G | A | G |
| S | A1244 | 37.04 | T | C | A | T | T | C | A | A | G |
| S | A1254 | 37.50 | T | C | A | T | T | C | G | A | G |
| S | LA1912 | 37.50 | C | T | A | T | T | N | G | A | R |
| S | LA3875 | 38.10 | T | T | G | C | C | A | A | G | A |
| S | A1195 | 38.10 | T | C | A | T | T | C | G | A | A |
| S | A1187 | 38.10 | T | C | A | T | T | C | G | A | G |
| S | A1218 | 38.10 | T | C | N | T | T | C | G | A | A |
| S | LA1208 | 38.89 | T | C | R | T | T | N | A | A | A |
| S | LA2845 | 38.89 | C | C | A | T | T | C | G | A | G |

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|---|----------|-------|---|---|---|---|---|---|---|---|---|
| S | A1270 | 38.89 | T | C | A | T | T | C | G | A | A |
| S | LA0172 | 40.00 | C | C | A | T | T | C | A | G | G |
| S | A1261 | 40.00 | T | C | A | T | T | C | G | A | A |
| S | A1160 | 40.00 | C | C | A | T | Y | C | G | A | G |
| S | A1258 | 40.74 | T | C | A | T | T | C | A | A | G |
| S | LA2561 | 40.74 | C | Y | G | T | Y | M | R | A | R |
| S | A1205 | 41.67 | T | C | A | T | T | C | G | A | G |
| S | A1226 | 41.67 | T | C | A | T | T | C | G | A | G |
| S | LA1338 | 42.86 | C | C | A | T | T | C | R | N | R |
| S | BT0909 | 42.86 | C | C | A | T | T | C | A | A | G |
| S | A1191 | 42.86 | T | C | A | T | T | C | G | A | G |
| S | LA1228 | 42.86 | T | C | A | T | T | M | A | G | A |
| S | LA1701 | 44.44 | T | Y | R | Y | T | M | G | A | A |
| S | LA4239 | 44.44 | T | C | A | T | T | C | A | A | G |
| S | PI128216 | 44.44 | C | C | A | T | T | C | G | A | G |
| S | LA1732 | 44.44 | C | Y | G | T | T | N | G | A | R |
| S | LA1668 | 45.83 | T | T | G | C | C | A | G | G | G |
| S | A1238 | 45.83 | T | C | A | T | T | C | G | A | G |
| S | A1211 | 46.67 | T | C | A | T | T | C | G | A | A |
| S | A1152 | 46.67 | T | C | A | T | Y | C | G | A | G |
| S | A1225 | 46.67 | T | C | A | T | T | C | G | A | G |
| S | Walter | 46.67 | C | C | A | T | T | C | G | A | A |
| S | A1159 | 47.62 | C | C | A | T | Y | C | G | A | G |
| S | A1283 | 48.15 | C | C | A | T | T | C | A | A | G |
| S | LA2633 | 50.00 | C | C | A | T | T | C | G | G | G |

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|---|----------|-------|---|---|---|---|---|---|---|---|---|
| S | A1228 | 50.00 | C | C | A | T | T | C | G | A | G |
| S | A1209 | 50.00 | T | C | A | T | T | C | A | A | G |
| S | A1175 | 50.00 | T | C | A | T | T | C | G | A | G |
| S | Floradel | 50.00 | C | C | A | T | T | C | G | A | A |
| S | LA4230 | 50.00 | T | C | A | T | T | C | A | A | G |
| S | A1196 | 50.00 | Y | C | A | T | T | C | G | A | N |
| S | PI126925 | 50.00 | C | C | A | T | T | C | G | A | G |
| S | SAL1875 | 50.00 | C | N | A | N | Y | C | G | A | G |
| S | LA4024 | 51.85 | T | C | A | T | T | C | G | A | G |
| S | A1289 | 51.85 | C | C | A | T | T | C | G | A | G |
| S | A1193 | 51.85 | C | C | A | T | T | C | G | A | G |
| S | LA4247 | 52.38 | T | C | N | T | T | C | A | A | G |
| S | LA1712 | 54.17 | T | C | A | T | T | C | A | A | G |
| S | A1212 | 54.17 | T | C | A | T | T | C | R | A | A |
| S | LA1464 | 55.56 | T | C | A | T | T | C | G | A | G |
| S | LA4244 | 55.56 | T | C | A | T | T | C | A | A | G |
| S | A1354 | 55.56 | T | C | A | T | T | C | G | A | G |
| S | A1287 | 55.56 | T | C | A | T | T | C | G | A | G |
| S | A1180 | 55.56 | C | C | A | T | Y | C | G | A | G |
| S | LA0446 | 55.56 | C | Y | A | T | T | M | N | A | N |
| S | A1262 | 56.67 | C | C | A | T | Y | C | G | A | G |
| S | A1315 | 56.67 | T | C | A | T | T | C | G | A | G |
| S | LA1542 | 57.14 | C | C | A | T | T | C | G | G | G |
| S | LA3136 | 57.14 | C | C | N | N | T | N | G | G | A |
| S | A1172 | 57.14 | T | C | A | T | N | C | G | A | G |

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|---|--------|-------|---|---|---|---|---|---|---|---|---|
| S | A1312 | 58.33 | T | C | A | T | T | C | A | A | G |
| S | A1356 | 58.33 | T | C | A | T | T | C | G | A | G |
| S | LA4271 | 58.33 | T | C | A | T | T | C | A | A | G |
| S | LA4279 | 58.33 | T | C | A | T | T | C | A | A | G |
| S | A1263 | 58.33 | T | C | A | T | T | C | G | A | G |
| S | A1255 | 60.00 | T | C | A | T | T | C | G | A | G |
| S | A1314 | 60.00 | T | C | A | T | T | C | A | A | G |
| S | A1259 | 61.11 | T | C | A | T | T | C | A | A | G |
| S | LA1589 | 61.11 | C | C | A | T | T | C | G | A | G |
| S | LA1621 | 61.90 | C | T | G | C | N | M | G | A | G |
| S | LA3043 | 61.90 | C | C | A | T | T | C | A | A | G |
| S | A1231 | 61.90 | T | C | A | T | T | C | G | A | G |
| S | A1269 | 61.90 | C | C | A | T | Y | C | G | A | G |
| S | LA0373 | 61.90 | C | C | A | T | T | C | G | A | G |
| S | LA1545 | 62.96 | C | C | A | T | T | C | G | G | G |
| S | A1252 | 62.96 | T | C | A | T | T | C | G | A | G |
| S | A1233 | 62.96 | T | C | A | T | T | C | G | A | G |
| S | A1281 | 62.96 | C | C | A | T | T | C | G | A | A |
| S | A1158 | 62.96 | T | C | A | T | T | C | G | A | G |
| S | LA1569 | 66.67 | C | C | A | T | T | C | G | G | A |
| S | LA1623 | 66.67 | C | C | A | T | T | C | G | G | G |
| S | LA1456 | 66.67 | C | C | A | T | T | C | G | G | G |
| S | A1232 | 66.67 | C | C | A | T | T | C | G | A | G |
| S | A1275 | 66.67 | T | C | A | T | T | C | A | A | G |
| S | A1257 | 66.67 | T | C | A | T | T | C | G | A | G |

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|---|-------------------|-------|---|---|---|---|---|---|---|---|---|
| S | LA3882 | 66.67 | T | C | A | T | T | N | G | A | G |
| S | A1349 | 66.67 | C | C | A | T | T | C | G | A | G |
| S | A1224 | 66.67 | T | C | A | T | T | C | A | A | G |
| S | PI126434 | 66.67 | C | Y | A | T | T | M | G | A | G |
| S | LA3892 | 70.00 | T | C | A | T | T | C | A | A | G |
| S | LA1654 | 70.37 | C | C | A | T | T | C | G | G | R |
| S | A1256 | 70.37 | T | C | A | T | Y | C | G | A | G |
| S | A1355 | 70.37 | T | C | A | T | T | C | G | A | G |
| S | LA3878 | 70.37 | T | C | A | T | T | C | A | A | G |
| S | A1230 | 71.43 | C | C | A | T | T | C | G | A | G |
| S | A1353 | 72.22 | T | C | A | T | T | C | A | A | G |
| S | A1203 | 72.22 | T | C | A | T | T | C | G | A | G |
| S | A1229 | 72.22 | T | C | A | T | T | C | G | A | G |
| S | A1276 | 73.33 | T | C | N | T | T | C | A | A | G |
| S | LA2126A | 74.07 | C | C | A | T | T | C | G | A | G |
| S | King Humbert#1 | 75.00 | T | C | A | T | T | C | A | G | G |
| S | PI296363 | 75.00 | T | C | R | Y | T | M | G | A | R |
| S | LA3999 | 75.00 | T | C | A | T | T | C | G | A | G |
| S | Trujillo | 76.67 | T | C | A | T | T | C | A | A | R |
| S | LA1549 | 77.78 | C | C | A | T | T | C | G | G | A |
| S | LA1632 | 77.78 | C | C | A | T | T | C | A | G | G |
| S | 2K6-8040 | 77.78 | T | C | A | T | T | C | G | A | G |
| S | A1357 | 77.78 | C | C | A | T | T | C | A | A | G |
| S | A1333 | 80.00 | T | C | A | T | T | C | A | A | G |
| S | A1240 | 80.00 | T | C | A | T | T | C | G | A | G |

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|---|--------|-------|---|---|---|---|---|---|---|---|---|
| S | LA1346 | 80.00 | C | C | A | Y | T | M | R | A | G |
| S | LA3918 | 80.95 | T | C | A | T | T | C | G | A | G |
| S | LA3997 | 80.95 | T | C | A | T | T | C | G | A | G |
| S | LA3928 | 80.95 | Y | C | A | T | T | C | R | N | G |
| S | A1241 | 81.48 | T | C | A | T | T | C | G | A | G |
| S | LA4264 | 81.48 | T | C | A | T | T | C | A | A | G |
| S | A1308 | 81.48 | C | C | A | T | T | C | A | A | G |
| S | A1313 | 83.33 | C | C | A | T | T | C | A | A | G |
| S | A1267 | 83.33 | C | C | A | T | Y | C | G | A | G |
| S | LA1283 | 83.33 | C | N | A | T | T | M | R | A | G |
| S | A1296 | 85.19 | T | C | A | T | T | C | G | A | G |
| S | LA2664 | 85.71 | C | C | A | T | T | C | G | A | A |
| S | LA1953 | 86.67 | C | C | A | T | T | C | A | G | A |
| S | A1336 | 86.67 | T | C | A | T | T | C | A | A | G |
| S | LA3975 | 86.67 | T | C | A | T | T | C | G | A | G |
| S | LA2137 | 87.50 | C | C | A | T | T | C | G | A | G |
| S | A1316 | 87.50 | C | C | A | T | T | C | A | A | G |
| S | A1264 | 87.50 | T | C | A | T | T | C | G | A | G |
| S | LA3869 | 88.89 | T | C | A | T | T | C | A | A | G |
| S | A1265 | 88.89 | T | C | N | T | T | C | A | A | G |
| S | A1210 | 88.89 | T | C | A | T | T | C | G | A | G |
| S | A1280 | 88.89 | C | C | A | T | T | C | G | A | A |
| S | A1350 | 90.00 | T | C | A | T | T | C | G | A | G |
| S | LA3047 | 90.48 | C | C | A | T | T | C | A | A | G |
| S | LA2135 | 91.67 | C | T | A | Y | T | M | A | A | A |

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|---|----------|-------|---|---|---|---|---|---|---|---|---|
| S | LA2131 | 91.67 | C | C | A | T | T | C | G | A | A |
| S | A1351 | 91.67 | C | C | A | T | T | C | G | A | G |
| S | A1250 | 91.67 | T | C | A | T | T | C | G | A | A |
| S | LA3267 | 91.67 | C | C | A | T | T | C | A | A | G |
| S | A1348 | 91.67 | T | C | A | T | T | C | A | A | G |
| S | LA3920 | 91.67 | T | C | A | T | T | C | G | A | G |
| S | LA3960 | 91.67 | T | C | A | T | T | C | G | A | G |
| S | A1338 | 92.59 | C | C | A | T | T | C | A | A | G |
| S | A1339 | 92.59 | C | C | A | T | T | C | A | A | G |
| S | LA3051 | 92.59 | C | C | A | T | T | C | A | A | G |
| S | A1317 | 92.59 | T | C | A | T | T | C | A | A | G |
| S | A1337 | 92.59 | C | C | A | T | T | C | A | A | G |
| S | A1291 | 92.59 | T | C | A | T | T | C | A | A | G |
| S | A1342 | 93.33 | T | C | A | T | T | C | G | A | G |
| S | A1341 | 93.33 | T | C | A | T | T | C | A | A | G |
| S | A1201 | 93.33 | T | C | A | T | T | C | G | A | G |
| S | LA3866 | 93.33 | T | C | A | T | T | C | A | A | G |
| S | A1268 | 93.33 | C | C | A | T | Y | C | G | A | G |
| S | LA2076 | 94.44 | C | C | A | T | T | C | A | A | G |
| S | 2K6-8201 | 94.44 | T | C | A | T | T | C | G | A | G |
| S | LA3925 | 94.44 | T | C | A | T | T | C | G | A | G |
| S | A1321 | 95.24 | C | C | A | T | T | C | A | A | G |
| S | A1200 | 95.24 | T | C | A | T | T | C | G | A | G |
| S | LA2163 | 95.24 | C | C | A | Y | T | N | R | A | G |
| S | A1327 | 95.83 | T | C | A | T | T | C | G | A | G |

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|---|----------|--------|---|---|---|---|---|---|---|---|---|
| S | A1299 | 96.30 | C | C | A | T | T | C | G | A | G |
| S | LA3045 | 96.30 | C | C | A | T | T | C | A | A | G |
| S | A1266 | 96.30 | T | C | A | T | T | C | G | A | G |
| S | LA1547 | 96.30 | C | Y | A | T | T | C | G | A | G |
| S | A1251 | 96.67 | T | C | N | T | T | C | G | A | G |
| S | A1340 | 96.67 | T | C | A | T | T | C | A | A | G |
| S | A1328 | 96.67 | T | C | A | T | T | C | A | A | G |
| S | A1293 | 96.67 | T | C | A | T | T | C | N | A | G |
| S | LA2077 | 100.00 | C | C | A | T | T | N | G | A | G |
| S | LA3137 | 100.00 | C | C | A | T | T | C | A | A | G |
| S | LA2078 | 100.00 | C | C | A | T | T | C | A | G | G |
| S | A1309 | 100.00 | C | C | A | T | T | C | A | A | G |
| S | A1345 | 100.00 | C | C | A | T | T | C | A | A | G |
| S | A1202 | 100.00 | T | C | A | T | T | C | A | A | G |
| S | A1204 | 100.00 | T | C | A | T | T | C | A | A | G |
| S | A1334 | 100.00 | T | C | A | T | T | C | G | A | G |
| S | MM | 100.00 | C | C | A | T | T | C | A | A | G |
| S | A1329 | 100.00 | C | C | A | T | T | C | G | A | G |
| S | Fla.8233 | 100.00 | C | C | A | T | T | C | A | A | A |
| S | A1326 | 100.00 | C | C | A | T | T | C | G | A | G |
| S | A1298 | 100.00 | C | C | A | T | T | C | A | A | G |
| S | A1297 | 100.00 | C | C | A | T | T | C | A | A | G |
| S | A1330 | 100.00 | T | C | A | T | T | C | A | A | G |
| S | A1331 | 100.00 | T | C | A | T | T | C | A | A | G |
| S | A1319 | 100.00 | T | C | A | T | T | C | R | A | G |

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|---|--------|--------|---|---|---|---|---|---|---|---|---|
| S | A1343 | 100.00 | T | C | A | T | T | C | A | A | G |
| S | LA3879 | 100.00 | T | C | A | T | T | C | A | A | G |
| S | LA3344 | 100.00 | T | C | A | T | T | C | A | A | G |
| S | LA3867 | 100.00 | T | C | A | T | T | C | A | A | G |
| S | LA3871 | 100.00 | T | C | A | T | T | C | A | A | G |
| S | LA3874 | 100.00 | T | C | A | T | T | C | A | A | G |
| S | LA4246 | 100.00 | T | C | A | T | T | C | A | A | G |
| S | LA4266 | 100.00 | T | C | A | T | T | C | A | A | G |
| S | A1285 | 100.00 | C | C | A | T | T | C | A | A | G |
| S | LA3345 | 100.00 | T | C | A | T | T | C | G | A | G |
| S | A1322 | 100.00 | C | C | A | T | T | C | G | A | G |
| S | A1346 | 100.00 | C | C | A | T | T | C | G | A | G |
| S | A1347 | 100.00 | C | C | A | T | T | C | G | A | G |
| S | A1325 | 100.00 | C | C | N | T | T | C | G | A | G |
| S | A1320 | 100.00 | C | C | A | T | T | C | A | A | G |
| S | A1300 | 100.00 | C | C | A | T | T | C | G | A | G |
| S | A1344 | 100.00 | C | C | A | T | T | C | G | A | G |
| S | LA3246 | 100.00 | C | C | A | T | T | C | A | A | G |
| S | A1295 | 100.00 | T | C | A | T | T | C | G | A | G |
| S | A1311 | 100.00 | C | C | A | T | T | C | A | A | G |

^a N : SNP call missing; Y : C/T heterozygosity allele; R : A/G heterozygosity allele; M : A/C heterozygosity allele