**Supplemental TABLE S3** Annotations and positions of the 45 high quality SNPs (hqSNPs). Chromosomes and positions are given in coordinates on the 2010EL-1786 genome. Genes that have been named are given their gene names; those without names are given the 2010EL-1786 unique locus tag name. If two genes are shown, then the SNP lies between those two genes and “upstream” will be shown for the substitution. SNPs within a codon are displayed as a capitalized letter. If nonsynonymous, the amino acid residue change is shown in the substitution column.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Chromosomea** | **Position** | **Gene/Locusb** | **Isolate(s)** | **SNP** | **Substitution** |
| CP003069\_2874265 | CP003069 | 2874265 | Vch1786\_I2729 | (1) 2010el-1961 | gTg/gGg | V1132G |
| CP003069\_754407 | CP003069 | 754407 | *hutH* | (1) 2011el-1300 | Ggc/Agc | G139S |
| CP003069\_1771457 | CP003069 | 1771457 | *flaE* | (1) 2011el-1300 | Caa/Taa | STOP\_GAINED |
| CP003069\_2140014 | CP003069 | 2140014 | Vch1786\_I1978, *leuA* | (1) 2011el-1818 | G=>A | UPSTREAM |
| CP003069\_884385 | CP003069 | 884385 | Vch1786\_I0823 | (1) 2011el-1841 | aCg/aAg | T880K |
| CP003069\_2856505 | CP003069 | 2856505 | *mshE* | (1) 2011el-1841 | Ggc/Agc | G317S |
| CP003069\_567468 | CP003069 | 567468 | Vch1786\_I0525 | (1) 2011el-2314h | aCc/aGc | T89S |
| CP003069\_824155 | CP003069 | 824155 | Vch1786\_I0776 | (1) 2011el-2314h | gCt/gTt | A100V |
| CP003069\_264678 | CP003069 | 264678 | Vch1786\_I0238 | (1) 2011el-2315 | Ttt/Ctt | F31L |
| CP003069\_2130106 | CP003069 | 2130106 | *serA* | (1) 2011el-2319 | G=>A | UPSTREAM |
| CP003069\_2371220 | CP003069 | 2371220 | *epsI* | (1) 2011el-2319 | gtC/gtT | SYNONYMOUS\_CODING |
| CP003070\_409036 | CP003070 | 409036 | Vch1786\_II0453, Vch1786\_II0452 | (1) 2011el-2319 | A=>G | UPSTREAM |
| CP003069\_1771236 | CP003069 | 1771236 | *flaE* | (1) 2011el-2320 | acC/acT | SYNONYMOUS\_CODING |
| CP003069\_2787072 | CP003069 | 2787072 | Vch1786\_I2643 | (1) 2011el-2320 | A=>G | UPSTREAM |
| CP003069\_351281 | CP003069 | 351281 | Vch1786\_I0323 | (1) 2011el-2321 | Gat/Tat | D166Y |
| CP003069\_2532567 | CP003069 | 2532567 | Vch1786\_I2387, Vch1786\_I2388 | (1) 2011el-2321 | G=>A | UPSTREAM |
| CP003069\_2854032 | CP003069 | 2854032 | *mshM* | (1) 2011el-2321 | ctG/ctA | SYNONYMOUS\_CODING |
| CP003070\_457762 | CP003070 | 457762 | Vch1786\_II0502 | (1) 2011el-2322 | T=>C | UPSTREAM |
| CP003069\_133215 | CP003069 | 133215 | Vch1786\_I0111 | (1) 2011el-2323 | agC/agT | SYNONYMOUS\_CODING |
| CP003069\_2137740 | CP003069 | 2137740 | Vch1786\_I1976 | (1) 2011el-2323 | gaG/gaA | SYNONYMOUS\_CODING |
| CP003069\_2521466 | CP003069 | 2521466 | Vch1786\_I2378 | (1) 2011el-2323 | Gcc/Acc | A169T |
| CP003070\_168454 | CP003070 | 168454 | Vch1786\_II0219 | (1) 2011v-1021 | cgC/cgT | SYNONYMOUS\_CODING |
| CP003069\_498051 | CP003069 | 498051 | *leuS* | (1) 2012el-1410 | cTa/cAa | L150Q |
| CP003069\_1384219 | CP003069 | 1384219 | Vch1786\_I1262 | (1) 2012el-1410 | Aca/Gca | T269A |
| CP003069\_2687792 | CP003069 | 2687792 | Vch1786\_I2540 | (1) 2012el-1410 | Gaa/Taa | STOP\_GAINED |
| CP003069\_2226288 | CP003069 | 2226288 | *rpmD* | (1) 2012v-1060 | cAc/cGc | H33R |
| CP003070\_340846 | CP003070 | 340846 | Vch1786\_II0384 | (1) 2012v-1060 | gAc/gGc | D560G |
| CP003070\_372375 | CP003070 | 372375 | *cobQ* | (1) 2012v-1060 | gcG/gcA | SYNONYMOUS\_CODING |
| CP003070\_914808 | CP003070 | 914808 | *rbsD* | (1) hc-80a1 | Ggt/Tgt | G96C |
| CP003070\_663294 | CP003070 | 663294 | Vch1786\_II0701 | (1) vc-14 | gcG/gcA | SYNONYMOUS\_CODING |
| CP003069\_567531 | CP003069 | 567531 | Vch1786\_I0525 | (1) vc-26 | aTc/aGc | I110S |
| CP003069\_1154443 | CP003069 | 1154443 | Vch1786\_I1066 | (2) 2011el-2314h, 2011el-2315 | gcG/gcA | SYNONYMOUS\_CODING |
| CP003069\_1240958 | CP003069 | 1240958 | Vch1786\_I1142 | (2) 2011el-2314h, 2011el-2315 | Ggg/Agg | G376R |
| CP003069\_272397 | CP003069 | 272397 | *tgt* | (2) 2011el-2317, 2011el-2318 | ggT/ggG | SYNONYMOUS\_CODING |
| CP003069\_1465756 | CP003069 | 1465756 | *dinG* | (2) 2011el-2317, 2011el-2318 | cgC/cgT | SYNONYMOUS\_CODING |
| CP003069\_2541675 | CP003069 | 2541675 | *gyrB* | (2) 2011el-2317, 2011el-2318 | tgT/tgC | SYNONYMOUS\_CODING |
| CP003069\_2204628 | CP003069 | 2204628 | Vch1786\_I2046 | (2) 2011el-2320, 2011el-2322 | gcG/gcA | SYNONYMOUS\_CODING |
| CP003069\_2950920 | CP003069 | 2950920 | Vch1786\_I2813 | (2) 2011el-2320, 2011el-2322 | Gtt/Att | V9I |
| CP003070\_84113 | CP003070 | 84113 | Vch1786\_II0121 | (2) 2011el-2320, 2011el-2322 | Cac/Tac | H90Y |
| CP003070\_600249 | CP003070 | 600249 | *speG* | (2) 2011el-2320, 2011el-2322 | aGa/aAa | R171K |
| CP003070\_315133 | CP003070 | 315133 | Vch1786\_II0360 | (2) 2011el-2321, 2012v-1060 | gCc/gTc | A680V |
| CP003069\_2257173 | CP003069 | 2257173 | *argD* | (3) vc-26, vc-14, vc-25 | Ggg/Agg | G242R |
| CP003069\_1685640 | CP003069 | 1685640 | Vch1786\_I1552 | (7) hc-06a1, hc-19a1, hc-22a1, hc-23a1, hc-28a1, hc-43a1, hc-80a1 | Atc/Ctc | I133L |
| CP003069\_1807949 | CP003069 | 1807949 | *flgK* | (7) hc-06a1, hc-19a1, hc-22a1, hc-23a1, hc-28a1, hc-43a1, hc-80a1 | Ggc/Agc | G497S |
| CP003069\_415957 | CP003069 | 415957 | Vch1786\_I0381 | (8) 2011el-2319, 2011el-1818, 2011el-1841, 2011el-2323, 2011el-2316, hc-21a1, hc-32a1, hc-40a1 | Ggt/Tgt | G372C |

a Accession number. CP003069 is chromosome 1 of 2010EL-1786; CP003070 is chromosome 2 of 2010EL-1786.

b Gene/Locus is either the name of the gene found in genome 2010EL-1786 or the unique locus tag found in genome 2010EL-1786.