**Table S3.** Loci showing new alleles in sample 393 and 411. In bold are indicated the shared loci.

|  |  |
| --- | --- |
| **Sample 393** | |
| **Locus** | **Product** |
| **LIC\_RS01605** | **glycine dehydrogenase (decarboxylating)** |
| **LIC\_RS02715** | **transcriptional regulator** |
| LIC\_RS03900 | DNA-directed RNA polymerase subunit beta' |
| **LIC\_RS06005** | **SAM-dependent methyltransferase** |
| **LIC\_RS06745** | **acetyl-CoA acetyltransferase** |
| **LIC\_RS07025** | **endoflagellar motor switch protein** |
| **LIC\_RS07470** | **membrane protein** |
| **LIC\_RS07920** | **RNA polymerase sigma-54 factor** |
| **LIC\_RS09025** | **3-isopropylmalate dehydrogenase** |
| **LIC\_RS09245** | **ATP-dependent Clp protease ATP-binding subunit ClpA** |
| **LIC\_RS12660** | **dihydrolipoamide dehydrogenase** |
| **LIC\_RS13755** | **ABC transporter permease** |
| LIC\_RS14075 | NADH dehydrogenase |
| LIC\_RS17405 | ABC transporter permease |
| **LIC\_RS17510** | **acetyl-CoA synthetase** |
| **LIC\_RS17965** | **tRNA uridine 5-carboxymethylaminomethyl modification enzyme MnmG** |
| **LIC\_RS18435** | **diphosphate-fructose-6-phosphate 1-phosphotransferase** |
| **Sample 411** | |
| **LIC\_RS01605** | **glycine dehydrogenase (decarboxylating)** |
| **LIC\_RS02715** | **transcriptional regulator** |
| LIC\_RS04520 | Fe-S-cluster-containing hydrogenase |
| LIC\_RS05180 | anti-sigma factor antagonist |
| **LIC\_RS06005** | **SAM-dependent methyltransferase** |
| **LIC\_RS06745** | **acetyl-CoA acetyltransferase** |
| **LIC\_RS07025** | **endoflagellar motor switch protein** |
| **LIC\_RS07470** | **membrane protein** |
| **LIC\_RS07920** | **RNA polymerase sigma-54 factor** |
| LIC\_RS08210 | hypothetical protein |
| **LIC\_RS09025** | **3-isopropylmalate dehydrogenase** |
| **LIC\_RS09245** | **ATP-dependent Clp protease ATP-binding subunit ClpA** |
| **LIC\_RS12660** | **dihydrolipoamide dehydrogenase** |
| **LIC\_RS13755** | **ABC transporter permease** |
| LIC\_RS15980 | glucose-6-phosphate isomerase |
| LIC\_RS16825 | two-component system sensor histidine kinase |
| **LIC\_RS17510** | **acetyl-CoA synthetase** |
| **LIC\_RS17965** | **tRNA uridine 5-carboxymethylaminomethyl modification enzyme MnmG** |
| **LIC\_RS18435** | **diphosphate-fructose-6-phosphate 1-phosphotransferase** |