**Supplementary Table S5: Candidate non-synonymous changes predicted to be deleterious by the SIFT algorithm**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Gene | Description | Position in the Florida genome | Amino Acid in Florida  | Amino acid in St. Maries  |
| AMF\_264 | hypothetical protein | 299040 | Glutamine | Arginine |
| AMF\_264 | hypothetical protein | 299131 | Serine | Glycine |
| AMF\_269 | hypothetical protein | 321307 | Aspartic acid | Cysteine |
| AMF\_430 | hypothetical protein | 528313 | Glycine | Aspartic acid |
| AMF\_547 | hypothetical protein | 680650 | Cysteine | Tyrosine |
| AMF\_762 | methionyl-tRNA synthetase | 911553 | Serine | Arginine |
| AMF\_764 | aspartate kinase | 913078 | Methionine | Leucine |
| AMF\_893 | lipoprotein-releasing system transmembrane protein  | 1061636 | Histidine | Tyrosine |
| AMF\_1026 | hypothetical protein | 1195613 | Alanine  | Valine |
| AMF\_1026 | hypothetical protein | 1195626 | Alanine | Threonine |
| AMF\_1026 | hypothetical protein | 1195634 | Valine | Alanine |