**S3 Table.** Summary of the weighted Nearest Sequenced Taxon Index (weighted NSTI) scores of each of the samples used in this study. The score represents the extent to which OTUs in a given sample are related to their sequenced genomes.

|  |  |  |
| --- | --- | --- |
| **Sample**  | **Genotype** | **Weighted NSTI score** |
| BB70 | H2*bb* | 0.24 |
| BB71 | H2*bb* | 0.25 |
| BB72 | H2*bb* | 0.20 |
| BB73 | H2*bb* | 0.24 |
| BB74 | H2*bb* | 0.18 |
| BD158 | H2*bd* | 0.18 |
| BD159 | H2*bd* | 0.23 |
| BD160 | H2*bd* | 0.24 |
| BD161 | H2*bd* | 0.25 |
| BD162 | H2*bd* | 0.22 |
| DD89 | H2*dd* | 0.18 |
| DD90 | H2*dd* | 0.20 |
| DD91 | H2*dd* | 0.20 |
| DD92 | H2*dd* | 0.25 |
| DD93 | H2*dd* | 0.20 |
| DK141 | H2*dk* | 0.23 |
| DK142 | H2*dk* | 0.27 |
| DK143 | H2*dk* | 0.29 |
| DK145 | H2*dk* | 0.18 |
| DK146 | H2*dk* | 0.19 |
| KB131 | H2*kb* | 0.17 |
| KB132 | H2*kb* | 0.21 |
| KB133 | H2*kb* | 0.18 |
| KB134 | H2*kb* | 0.19 |
| KB135 | H2*kb* | 0.30 |
| KK74 | H2*kk* | 0.18 |
| KK75 | H2*kk* | 0.25 |
| KK76 | H2*kk* | 0.19 |
| KK77 | H2*kk* | 0.19 |
| KK78 | H2*kk* | 0.18 |