**Table S2.** The pairwisegenetic distance (*GD*) *va*lues among 12 *Q.liaotungensis* populations using 19 SSR markers

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Population | PS | HH | LY | SJ | KC | LK | DS | SM | ZW | DT | NC | SH |
| PS | 0.0000  |  |  |  |  |  |  |  |  |  |  |  |
| HH | 0.1130  | 0.0000  |  |  |  |  |  |  |  |  |  |  |
| LY | 0.1175  | 0.1606  | 0.0000  |  |  |  |  |  |  |  |  |  |
| SJ | 0.1732  | 0.1501  | 0.1548  | 0.0000  |  |  |  |  |  |  |  |  |
| KC | 0.1577  | 0.1408  | 0.1344  | 0.0891  | 0.0000  |  |  |  |  |  |  |  |
| LK | 0.2212  | 0.1107  | 0.1559  | 0.1298  | 0.1237  | 0.0000  |  |  |  |  |  |  |
| DS | 0.1435  | 0.1355  | 0.1980  | 0.1233  | 0.1235  | 0.1521  | 0.0000  |  |  |  |  |  |
| SM | 0.1637  | 0.1221  | 0.2655  | 0.1998  | 0.1724  | 0.1850  | 0.1581  | 0.0000  |  |  |  |  |
| ZW | 0.1609  | 0.1203  | 0.1618  | 0.0926  | 0.0942  | 0.0783  | 0.0719  | 0.1488  | 0.0000  |  |  |  |
| DT | 0.1551  | 0.1616  | 0.1754  | 0.1790  | 0.1166  | 0.2233  | 0.1574  | 0.2076  | 0.1340  | 0.0000  |  |  |
| NC | 0.2319  | 0.2783  | 0.2754  | 0.2816  | 0.3573  | 0.3301  | 0.2903  | 0.3397  | 0.2734  | 0.3168  | 0.0000  |  |
| SH | 0.5209  | 0.5403  | 0.4798  | 0.6212  | 0.7080  | 0.6725  | 0.6334  | 0.6281  | 0.6026  | 0.6335  | 0.3332  | 0.0000  |