**Table S2.** **Fixation index (*Fst*) for each pair of the 12 tung tree groups**. Lower triangular matrix, *Fst*; Upper triangular matrix, Probability values based on 999 permutations

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Group\* | AH | SX | HB | HN | CQ | GZ | SC | JX | ZJ | FJ | GD | GX |
| AH | 0.000 | 0.001 | 0.003 | 0.006 | 0.001 | 0.003 | 0.001 | 0.001 | 0.007 | 0.002 | 0.003 | 0.009 |
| SX | 0.250 | 0.000 | 0.056 | 0.008 | 0.002 | 0.001 | 0.002 | 0.001 | 0.003 | 0.005 | 0.004 | 0.010 |
| HB | 0.119 | 0.046 | 0.000 | 0.038 | 0.003 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.003 |
| HN | 0.103 | 0.092 | 0.035 | 0.000 | 0.017 | 0.012 | 0.002 | 0.001 | 0.002 | 0.004 | 0.001 | 0.011 |
| CQ | 0.269 | 0.159 | 0.115 | 0.086 | 0.000 | 0.073 | 0.012 | 0.002 | 0.004 | 0.002 | 0.002 | 0.008 |
| GZ | 0.235 | 0.228 | 0.155 | 0.101 | 0.082 | 0.000 | 0.002 | 0.004 | 0.012 | 0.008 | 0.006 | 0.017 |
| SC | 0.243 | 0.094 | 0.095 | 0.084 | 0.085 | 0.136 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.003 |
| JX | 0.193 | 0.249 | 0.152 | 0.124 | 0.222 | 0.192 | 0.162 | 0.000 | 0.003 | 0.003 | 0.002 | 0.010 |
| ZJ | 0.168 | 0.470 | 0.316 | 0.270 | 0.381 | 0.337 | 0.346 | 0.190 | 0.000 | 0.037 | 0.028 | 0.032 |
| FJ | 0.313 | 0.554 | 0.426 | 0.393 | 0.452 | 0.385 | 0.454 | 0.315 | 0.181 | 0.000 | 0.033 | 0.029 |
| GD | 0.290 | 0.466 | 0.335 | 0.278 | 0.304 | 0.228 | 0.350 | 0.260 | 0.291 | 0.249 | 0.000 | 0.205 |
| GX | 0.232 | 0.409 | 0.273 | 0.251 | 0.294 | 0.256 | 0.315 | 0.191 | 0.228 | 0.264 | 0.117 | 0.000 |

\* SC, Sichuan Province; SX, Shaanxi Province; HB, Hubei Province; AH, Anhui Province; GZ, Guizhou Province; HN, Hunan Province; JX, Jiangxi Province; ZJ, Zhejiang Province; FJ, Fujian Province; GD, Guangdong Province; GX, Guangxi Zhuangzu Autonomous Region; CQ, Chongqing Municipality.