**Supplementary Table 3**. Number of markers and genetic length of 18 LGs in maternal, paternal and consensus maps.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Linkage Group (LG)** | **Number of Markers** | | | **Length (cM)** | | |
| **Maternal** | **Paternal** | **Consensus** | **Maternal** | **Paternal** | **Consensus** |
| 1 | 75 | 47 | 77 | 75.2 | 65.1 | 71.0 |
| 2 | 80 | 103 | 93 | 56.6 | 78.0 | 75.0 |
| 3 | 76 | 79 | 120 | 82.2 | 76.9 | 74.7 |
| 4 | 60 | 81 | 72 | 55.0 | 64.1 | 72.7 |
| 5 | 103 | 75 | 152 | 82.9 | 81.7 | 84.9 |
| 6 | 60 | 78 | 49 | 53.3 | 81.8 | 45.6 |
| 7 | 166 | 127 | 125 | 95.1 | 117.4 | 98.1 |
| 8 | 158 | 64 | 101 | 91.6 | 74.3 | 76.5 |
| 9 | 85 | 74 | 68 | 76.9 | 50.5 | 39.8 |
| 10 | 122 | 74 | 126 | 95.5 | 50.0 | 97.9 |
| 11 | 98 | 65 | 108 | 54.4 | 77.9 | 80.6 |
| 12 | 106 | 68 | 92 | 90.2 | 95.9 | 99.4 |
| 13 | 76 | 94 | 114 | 81.4 | 70.3 | 83.2 |
| 14 | 89 | 80 | 86 | 80.3 | 88.5 | 108.5 |
| 15 | 82 | 67 | 83 | 74.7 | 75.2 | 75.4 |
| 16 | 86 | 71 | 101 | 77.2 | 81.1 | 61.7 |
| 17 | 84 | 67 | 69 | 67.8 | 75.8 | 80.7 |
| 18 | 80 | 82 | 122 | 106.6 | 96.1 | 61.3 |
| **Total** | **1686** | **1396** | **1758** | **1396.9** | **1400.8** | **1386.9** |