**Supplementary Table 3 |** Summary statistics for the genetic distances across 10 linkage groups of the maize genome

|  |  |  |  |
| --- | --- | --- | --- |
| Linkage Group | Length(cM) | Bin Number | Density (cM/bin) |
| 1 | 331.80  | 487 | 0.68  |
| 2 | 324.18  | 267 | 1.21  |
| 3 | 260.85  | 262 | 1.00  |
| 4 | 262.62  | 549 | 0.48  |
| 5 | 329.41  | 700 | 0.47  |
| 6 | 197.89  | 312 | 0.63  |
| 7 | 259.36  | 277 | 0.94  |
| 8 | 246.74  | 403 | 0.61  |
| 9 | 221.39  | 426 | 0.52  |
| 10 | 235.25  | 458 | 0.51  |
| Total | 2669.49  | 4141 | 0.64  |