

Supplemental Table S2. Summary of R-loop peaks in maize centromeres.

| Cen | Length of CENH3-enriched subdomains (kb) | Length of CENH3-depleted subdomains (kb) | Number of total centromere R-loop peaks | Number of CENH3-enriched subdomains R-loop peaks | Number of CENH3-depleted subdomains R-loop peaks | Ratio |
|------------|---|---|--|---|---|--------------|
| Cen1 | 22 | 94 | 72 | 32 | 40 | 3.42 |
| Cen2 | 857 | 526 | 650 | 442 | 208 | 1.30 |
| Cen3 | 288 | 234 | 275 | 182 | 93 | 1.59 |
| Cen4 | 531 | 426 | 488 | 321 | 167 | 1.54 |
| Cen5 | 1192 | 593 | 886 | 654 | 232 | 1.40 |
| Cen6 | 70 | 85 | 71 | 51 | 20 | 3.10 |
| Cen7 | 10 | 33 | 33 | 22 | 11 | 6.60 |
| Cen8 | 904 | 455 | 694 | 488 | 206 | 1.19 |
| Cen9 | 1228 | 427 | 711 | 606 | 105 | 2.01 |
| Cen10 | 926 | 258 | 542 | 467 | 75 | 1.73 |
| Total | 6028 | 3131 | 4422 | 3265 | 1157 | 1.47 |