Online Resource 12. Genotypic analysis of markers in 1A linkage group

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Marker  ID | Marker  Name | Chr. | Position | Size(A) | Size(H) | Size(B) | Size(-) | Chi-  Square | Pr>ChiSq |
| 1 | *Xwmc24* | 1A | 0 | 10 | 19 | 204 | 49 | 486.2532 | 0 |
| 2 | *Xbarc263* | 1A | 2.83 | 10 | 20 | 202 | 50 | 476.6896 | 0 |
| 3 | *Xcwm75* | 1A | 4.6 | 9 | 22 | 199 | 52 | 464.3304 | 0 |
| 4 | *Xcfa2153* | 1A | 4.6 | 9 | 22 | 186 | 65 | 426.6682 | 0 |
| 5 | *Xpsp2999* | 1A | 5.06 | 9 | 22 | 204 | 47 | 478.8553 | 0 |
| 6 | *Xgwm357* | 1A | 63.68 | 60 | 139 | 76 | 7 | 1.8945 | 0.3878 |
| 7 | *Xmag834* | 1A | 96.66 | 60 | 140 | 79 | 3 | 2.5914 | 0.2737 |
| 8 | *Xbarc83* | 1A | 104.78 | 60 | 141 | 74 | 7 | 1.6036 | 0.4485 |
| 9 | *Xwmc93* | 1A | 117.73 | 67 | 136 | 78 | 1 | 1.1495 | 0.5629 |
| 10 | *Xcfa2219* | 1A | 172.23 | 64 | 139 | 75 | 4 | 0.8705 | 0.6471 |
| 11 | *Xcfa2147* | 1A | 173.52 | 64 | 140 | 74 | 4 | 0.7338 | 0.6929 |