

Table S2 Number of PstI tags Used for the Development of *de novo* Genetic Map

| Chromosomes | Number of SNP mapped de-novo |
|-----------------------|-------------------------------------|
| 1A | 134 |
| 2A | 45 |
| 3A | 118 |
| 4A | 175 |
| 5A | 69 |
| 6A | 62 |
| 7A | 178 |
| Total A genome | 781 |
| 1B | 205 |
| 2B | 200 |
| 3B | 225 |
| 4B | 64 |
| 5B | 117 |
| 6B | 247 |
| 7B | 127 |
| Total B genome | 1,185 |
| 1D | 87 |
| 2D | 138 |
| 3D | 103 |
| 4D | 32 |
| 5D | 90 |
| 6D | 105 |
| 7D | 180 |
| Total D genome | 735 |