**Table S1.** List of SSR primers used in the study with respective repeat motif and chromosome location

|  |  |  |
| --- | --- | --- |
| **Primers name** | **Chromosomal Location** | **Repeated Motif** |
| wmc120 | 1A | (CA)8, or (GA)14, or( GT)8, |
| wmc312 | 1A | (GA) |
| wmc619 | 1B |  - |
| wmc128 | 1B |  [GT]16 [GA]10 |
| wmc31 | 1B | (GA)11, (GT)19,  |
| wmc339 | 1D | (GA)8 |
| cfd92 | 1D | (CT)21(A)19 |
| gwm642 | 1D | GT)14 |
| wmc407 | 2A | (GA)16 |
| wmc477 | 2B | (GT)16 |
| gwm388 | 2BL | CT)4(CA)11(CA)12 |
| wmc601 | 2D |  - |
| wmc11 | 3A |  - |
| wmc532 | 3A | (GA)5, GA)11 |
| gwm135 | 3B |  (GA)20 |
| wmc231 | 3B |  (GA)20, (GT)8 |
| gwm102 | 3B | (GA)10,  |
| wmc219 | 4A | CA)57 |
| wmc96 | 4A | (CA)29 |
| wmc313 | 4AL | (CA)18 |
| wmc657 | 4B |  - |
| wmc48 | 4B, 4D |  - |
| wmc327 | 5A | (GT)25 |
| gwm182 | 5D/6B | (CT)18 |
| wmc233 | 5D | (CA)11, (CA)14, (GT)23 |
| wmc163 | 6A | (GT)8 |
| wmc596 | 7A |  - |
| wmc107 | 7A | (GT)1 |
| wmc364 | 7B, 7D | (CA)18 |



Figure S1. Population genetic structure of the estimated Delta K values for true K. The highest ΔK value was at three according to 29 SSR primers.