Supplementary Table 1\_Complete list of the SSR (Simple Sequence Repeat) markers used to verify genotype homogenicity. The 19 Xgwm SSR markers were probed. SSR markers used were chosen randomly across the entire genome.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | 3B | 2A | 5B/5D | 5B/5D | 1A | 4A | 6B | 4B | 2A | 7B | 5B |
| **Sample number** | **Year** | **Xgwm493** | **Xgwm304** | **Xgwm159.5D** | **Xgwm159.5B** | **Xgwm164** | **Xgwm165** | **Xgwm191** | **Xgwm192** | **Xgwm382** | **Xgwm577** | **Xgwm213** |
| **1** | 1955 | B | A  | A | B | A | A | A | B | B | A | A/C |
| **2** | 1955 | B | A  | A | B | A | A | A | B | B | A | A/C |
| **3** | 1961 | B | A  | A | B | A | A | A | B | B | A | A/C |
| **4** | 1973 | B | A  | A | B | A | ND | A | B | B | A | A/C |
| **5** | 2020 | B | A  | A | B | A | A | A | B | B | A | A/C |
| **6** | 2016 | B | A  | A | B | A | A | A | B | B | A | A/B/C |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | 6B | 3B/3A | 2A | 2A/4A | 2A/4A | 1B | 1B | 3B | 7D | 7B |  |
|  |  | **Xgwm219** | **Xgwm247** | **Xgwm249** | **Xgwm265.2A** | **Xgwm265.4A** | **Xgwm268** | **Xgwm274** | **Xgwm285** | **Xgwm295** | **Xgwm297** |  |
| **1** | 1955 | A | B | A/B | A/B | A/B | A/C | B | A | A | B |  |
| **2** | 1955 | A | B | A/B | A | A/B | A/C | B | A | A | B |  |
| **3** | 1961 | A | B | A/B | B | A/B | A/C | B | A | A | B |  |
| **4** | 1973 | A | B | A/B | A | A/B | A/C | B | A | A | B |  |
| **5** | 2020 | A | B | A  | B | A/B | A/C | B | A | A | B |  |
| **6** | 2016 | A | B | A/B | A | A/B | A/C | B | A | A | B |  |