**S1 Table: Multiplex sets of the microsatellite markers used in this study**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Fragment analysis** | **Multiplex PCR** | **Microsatellite markers** | **Allele sizes with tail sequence (bp)** | **Fluorescent labelling (WELL-RED)** | **Tm (°C)** | **Number of cycles** |
| **FA1** | **M1** | **ADL0278** | 132-141 | D2 | 60 | 30 |
| **MCW0037** | 172-176 |
| **MCW0034** | 238-260 |
| **M6** | **MCW0078** | 153-161 | D4 | 56 | 30 |
| **MCW0014** | 182-196 |
| **LEI0166** | 374-384 |
| **FA2** | **M2** | **ADL0268** | 122-136 | D2 | 60 | 30 |
| **MCW0216** | 159-163 |
| **MCW0248** | 233-241 |
| **M7** | **ADL0112** | 142-150 | D4 | 58 | 35 |
| **MCW0222** | 238-244 |
| **MCW0098** | 281-283 |
| **FA3** | **M3** | **MCW0295** | 108-124 | D2 | 60 | 30 |
| **MCW0016** | 188-222 |
| **MCW0330** | 276-308 |
| **M8** | **MCW0081** | 132-153 | D4 | 56 | 35 |
| **MCW0069** | 176-194 |
| **LEI0094** | 267-301 |
| **FA4** | **M4** | **MCW0123** | 98-112 | D3 | 60 | 35 |
| **MCW0067** | 196-202 |
| **MCW0080** | 286-298 |
| **M9** | **MCW0165** | 132-136 | D4 | 62 | 30 |
| **MCW0104** | 208-244 |
| **MCW0103** | 284-288 |
| **FA5** | **M5** | **MCW0111** | 116-132 | D3 | 58 | 35 |
| **LEI0234** | 235-334 |
| **M10** | **MCW0020** | 197-215 | D4 | 60 | 35 |
| **MCW0206** | 241-257 |
| **MCW0183** | 314-340 |

The numerical order of the multiplex PCR reactions (M1-M10) are changed considering the fragment analysis