



**ICAR Rules and Guidelines for Accreditation of
DNA Parentage Testing in Cattle**

ISAG RECOMMENDED MICROSATELLITES

| Locus | | Primer Sequence (5' to 3') |
|----------------|---------------|-----------------------------------|
| <i>BM1824</i> | Forward | GAG CAA GGT GTT TTT CCA ATC |
| | Reverse | CAT TCT CCA ACT GCT TCC TTG |
| <i>BM2113</i> | Forward | GCT GCC TTC TAC CAA ATA CCC |
| | Reverse | CTT CCT GAG AGA AGC AAC ACC |
| <i>INRA023</i> | Forward | GAG TAG AGC TAC AAG ATA AAC TTC |
| | Reverse | TAA CTA CAG GGT GTT AGA TGA ACT C |
| <i>SPS115</i> | Forward | AAA GTG ACA CAA CAG CTT CTC CAG |
| | Reverse | AAC GAG TGT CCT AGT TTG GCT GTG |
| <i>TGLA122</i> | Forward | CCC TCC TCC AGG TAA ATC AGC |
| | Reverse (1) | AAT CAC ATG GCA AAT AAG TAC ATA C |
| | Reverse (2) * | AAT CAC ATG GCA AAT AAG TAC ATA |
| <i>TGLA126</i> | Forward | CTA ATT TAG AAT GAG AGA GGC TTC T |
| | Reverse | TTG GTC TCT ATT CTC TGA ATA TTC C |
| <i>TGLA227</i> | Forward | CGA ATT CCA AAT CTG TTA ATT TGC T |
| | Reverse | ACA GAC AGA AAC TCA ATG AAA GCA |
| <i>ETH10</i> | Forward | GTT CAG GAC TGG CCC TGC TAA CA |
| | Reverse | CCT CCA GCC CAC TTT CTC TTC TC |
| <i>ETH225</i> | Forward | GAT CAC CTT GCC ACT ATT TCC T |
| | Reverse | ACA TGA CAG CCA GCT GCT ACT |
| <i>BM1818</i> | Forward | AGC TGG GAA TAT AAC CAA AGG |
| | Reverse | AGT GCT TTC AAG GTC CAT GC |
| <i>ETH3</i> | Forward | GAA CCT GCC TCT CCT GCA TTG G |
| | Reverse | ACT CTG CCT GTG GCC AAG TAG G |
| <i>TGLA53</i> | Forward | GCT TTC AGA AAT AGT TTG CAT TCA |
| | Reverse | ATC TTC ACA TGA TAT TAC AGC AGA |