**Supplementary Table 1:** List of primers used to determine the S-genotypes of “Conference” (PcS108-PcS121), “Légipont” (PcS102-PcS108),and “Bartlett” (PcS101-PcS102).

The table includes the primer names, primer type (consensus, specific, qPCR), the target gene/S-allele, the primer orientation, primer sequence, the primer-specific annealing temperature (Ta (°C)), and whether the primer pair was previously described in literature or designed specifically for this study.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Primer Name** | **Primer Type** | **Target** | **Orientation** | **Sequence** | **Ta (°C)** | **Source** |
| PyComC1F | Consensus | Multiple | Forward | ATTTTCAATTTACGCAGCAATATCAGC | 54 | (Sanzol, 2009a) |
| PyComC5R | Consensus | Multiple | Reverse | CTG CAA AGW SHG ACC TCA ACC AAT TC | 54 | (Sanzol, 2009a) |
| FTC282 | Specific Primer | S101 | Forward | CCCAGATGATCACCTAAGGGC | 57 | This study |
| FTC283 | Specific Primer | S101 | Reverse | ACTGGCTTAGATGAGGGCAT | This study |
| FTC284 | Specific Primer | S101 | Forward | TGGATTGGGGAAGTTCACAC | 58 | This study |
| FTC285 | Specific Primer | S101 | Reverse | ACTCACACACACACTAACTAGC | This study |
| FTC286 | Specific Primer | S101 | Forward | AGCCTATAACCCATCGTATCGT | 59 | This study |
| FTC287 | Specific Primer | S101 | Reverse | TCCAACTGGGGTTTGAGTGA | This study |
| FTC288 | Specific Primer | S102 | Forward | CAGGTATACACGTCATCAGGGA | 59 | This study |
| FTC289 | Specific Primer | S102 | Reverse | TGCAGTTTTCTGGGTCAGGT | This study |
| FTC290 | Specific Primer | S102 | Forward | TTCAGGTACGCTTGTGCAAAT | 59 | This study |
| FTC291 | Specific Primer | S102 | Reverse | AGCTAGCCGCGCTCTTAATAAT | This study |
| FTC0212 | Specific Primer | S102 | Forward | CTGCCTGCAAGTTTCACCAT | 57 | This study |
| FTC0213 | Specific Primer | S102 | Reverse | ATCAACGAAAAAGAATGTACCCAT | This study |
| FTC292 | Specific Primer | S102 | Forward | AGGGTTTTAATACTCACACTT | 53 | This study |
| FTC293 | Specific Primer | S102 | Reverse | TGGGGTGGTATATATTAATGAG | This study |
| FTC0027 | Specific Primer | S102 | Forward | ACTGTCATGCAAGGGCTCAA | 58 | This study |
| FTC0028 | Specific Primer | S102 | Reverse | CGTGTCCTGCCCTTACCATC | This study |
| FTC316 | Specific Primer | S108 | Forward | AAGGGCATTGCACATGACTA | 55 | This study |
| FTC317 | Specific Primer | S108 | Reverse | TCTGGGTCAGGTCCCTTCTT | This study |
| FTC318 | Specific Primer | S108 | Forward | GGCGATGATTCAACCGAACG | 60 | This study |
| FTC319 | Specific Primer | S108 | Reverse | GCTAGCCAGCCTCGCTCT | This study |
| PyComS8F | Specific Primer | S108 | Forward | CTTGTAACGATCGTCCTGAACAA | 60 | (Sanzol, 2009a) |
| PyComS8R | Specific Primer | S108 | Reverse | CCTCAACTAATTCAGTCGTCGTC | (Sanzol, 2009a) |
| FTC0155 | Specific Primer | Multiple | Forward | CAC WTA GAA ACA CAA CAT ATG AAC AAA | 56 | This study |
| B53S21R2 | Specific Primer | S121 | Reverse | TTTGGTTTCTTATTGTTGATGCTC | (Sanzol, 2009a) |
| B52S21F2 | Specific Primer | S121 | Forward | TCACCCAGAAAATTGCACGGAC | 45 | (Sanzol, 2009a) |
| FTC0156 | Specific Primer | Multiple | Reverse | MTAKCYKCGCTCTTAAT | This study |
| B52S21F2 | Specific Primer | S121 | Forward | TCACCCAGAAAATTGCACGGAC | 60 | (Sanzol, 2009a) |
| B53S21R2 | Specific Primer | S121 | Reverse | TTTGGTTTCTTATTGTTGATGCTC | (Sanzol, 2009a) |
| FTC363 | qPCR | S108 | Forward | AGAAGGGACCTGACCCAGAA | 60 | This study |
| FTC364 | qPCR | S108 | Reverse | TGAGCCACTCTCTTTCCCAG | This study |
| FTC365 | qPCR | S121 | Forward | AAATTGCACGAACGCAACCG | 60 | This study |
| FTC366 | qPCR | S121 | Reverse | GGGATTCCCACAGCTGCC | This study |
| EF1F | qPCR | EF1a | Forward | GGTGTGAAGCAGATGATTTG | 60 | Liu et al. 2018 |
| EF1R | qPCR | EF1a | Reverse | TCACCCTCAAACCCAGATAT | Liu et al. 2018 |
| HistF | qPCR | Histidine | Forward | GTCAAGAAGCCCCACAGATAC | 60 | Liu et al. 2018 |
| HistR | qPCR | Histidine | Reverse | CTGGAAACGCAGATCAGTCTTG | Liu et al. 2018 |