**S3 Table.** Primers for genotyping and expression analyses

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Gene | Primer ID | Primer sequence | Amplicon size | Reference |
| *qPCR primers for sex chromosome copy number estimation* |
| *Prdx* | *Prdx4*‑F | CATGATATCCACTGAAAGCTAC | 82 bp | [3] |
| *Prdx4*‑R | GAGACAGTGTATCTATCCCTG |
| *Amelx* | *Amelx*‑F | GTTGGGTTGGAGTCATGGAG | 162 bp | [3] |
| *Amelx*‑R | GGCTGCACCACCAAATCATC |
| *Atr* | *Atr-*WT L1 | GGGATGTTTACAGCCAGCTC | 143 bp | [6] |
| *Atr-*WT R1 | AGCCGATTTGCCACAGTAAC |
| *Standard genotyping PCR primers* |
| *Myog* | *Om1a* | TTACGTCCATCGTGGACAGCAT | 246 bp | [7] |
| *Om1b* | TGGGCTGGGTGTTAGCCTTAT |
| *Zfy* | *Zfyp1* | AAGATAAGCTTACATAATCACATGGA | 600 bp | [8] |
| *Zfyp2* | CCTATGAAATCCTTTGCTGCACATGT |
| *Sxr*b | *o3452* | GTTAATGAATTAGGGATGGG | 852 bp | [9] |
| *o3072* | GTATTAAGTCTTAAAGACATGG |
| *Ssty* | *Ymtfp1* | CTGGAGCTCTACAGTGATGA | 342 bp | [10] |
| *Ymtrp1* | CAGTTACCAATCAACACATCAC |
| *Sry* (Y*Tdym1*) | *Muty3* | GTGTCTCAAAGCCTGCTCTTC | 204 bp  | [11] |
| *Mutyrp1* | CATGTACTGCTAGCAGCTATC |
| *Eif2s3y* tg | *EyTspF8* | CAGCTCTGAGGGTGGGTAGTAG | 782 bp | Current paper |
| *EyTspR8* | TGACCATGATTACGCCAAGCTAT |
| *Zfy2* tg | *Zfy2-F* | ttccatttgtcacgtcctgc  | 600 bp | Current paper |
| *Zfy2-R* | gagtattctatagtgtcacc  |
| *Real-time PCR primers for Zfy expression quantification* |
| *Zfy Global* | *ZfyGlobalF* | ACAATGCATACAGAAAAAG | 95 bp | Current paper |
| *ZfyGlobalR* | AAAAGGTGGTGATTCAAT |
| *Zfy1* | *Zfy1-spF* | TGGGACTTTGTGTACTCA | 117 bp | Current paper |
| *ZfyGlobalR* | AAAAGGTGGTGATTCAAT |
| *Acrv* | *Acrv-1F* | TGAGTACACCACTTCCAAGCA | 60 bp | [12] |
| *Acrv-1R* | AAGCACATGTGTGGCAATTT |
| *Act* | *Act-F* | CAGCCTGCACCAAACCCA | 117 bp | [13] |
| *Act-R* | CACCCACCAAGGAGACCGA |
| *Actin* | *Actin-F* | GGCACCACACCTTCTACAATG | 352 bp | [14] |
| *Actin-R* | GTGGTGGTGAAGCTGTAGCC |
| *Sadha* | *Sadha-F* | TGTTCAGTTCCACCCCAC | 66 bp | [15] |
| *Sadha-R* | TCTCCACGACACCCTTCTGT |

\*Amplified product was digested with 10U of *RsaI* for at least 1h at 37ºC; a 224bp band confirms the presence of *Sxr*b.