Table S1. Primers used to identify genotypes

Target	Size	Primers (5′ to 3′ direction)	PCR amplification cycle
YMT2/B on Y chromosome	350 bp	F: CTGGAGCTCTACAGTGATGA R: CAGTTACCAATCAACACATCAC	1 cycle: 95°C for 2 minutes, 34 cycles: 96°C for 10 seconds, 60°C for 30 seconds, 72°C for 30 seconds, 1 cycle: 72°C for 5 minutes
Autosomal myogenin*	250 bp	F: TTACGTCCATCGTGGACAGCAT R: TGGGCTGGGTGTTAGTCTTAT	*
Sry^{129} transgene	400 bp	F: CTCAGTGTGGAATTCATCTGC R: GAGGGCATGGTCAGTTGAAC	1 cycle: 95°C for 2 minutes, 34 cycles: 96°C for 10 seconds, 60°C for 30 seconds, 72°C for 30 seconds, 1 cycle: 72°C for 5 minutes
Sxr†	377 bp	F: TGGTGAGCATACACCATACC R: TTGCTGTCTTTGTGCTAGCC	1 cycle: 95°C for 2 minutes, 34 cycles: 96°C for 30 seconds, 57°C for 30 seconds, 72°C for 30 seconds, 1 cycle: 72°C for 10 minutes
Tg93 (Zp3-Cre)	450 bp	F: TGATGAGGTTCGCAAGAACC R: CCATGAGTGAACGAACCTGG	1 cycle: 94°C for 3 minutes, 39 cycles: 94°C for 30 seconds, 62°C for 30 seconds, 72°C for 45 seconds, 1 cycle: 72°C for 10 minutes
Dax1+‡	150 bp	F: CCTTAGAAGTGTTGCTTCTG R: ACAGCTCACCACAGGATCTT	1 cycle: 95°C for 10 minutes, 34 cycles: 96°C for 15 seconds, 58°C for 30 seconds, 72°C for 1 minutes, 1 cycle: 72°C for 5 minutes
Dax1^{flox}‡	200 bp	F: CCTTAGAAGTGTTGCTTCTG R: ACAGCTCACCACAGGATCTT	‡
Dax1–‡	300 bp	F: CCTTAGAAGTGTTGCTTCTG R: GCACATTGTTCTGAGTGGCT	‡

*Amplification of the autosomal myogenin gene was performed in multiplex PCR reactions as a control for detection of the presence of a Y chromosome, *Sry*^{129} transgene and Tg93.

†Following amplification the PCR product was digested with *Nla*IV as previously described (Albrecht et al., 2003). Undigested fragment indicates presence of Sxr, whereas presence of two co-migrating bands of ~188 bp indicates presence of *Sry*^{AKR}.

‡The presence of *Dax1*+, *Dax1*^{flox} and *Dax1*– alleles was determined in a multiplex PCR reaction.