

Table S5. List of genotyping primers

Primer	Sequence 5' to 3'	Denaturation	Amplification
Mitf-A For	CGCTCTGGTGTGAGAGTAAAC	94°C for 2 min	(94°C for 30 sec, 60°C for 30 sec, 68°C for 1 min) 35x
Mitf-A Rev	TCACCACTCTCATGCTCTTCA		
Mitf-M1 For	GACTAAGTGGTCTGCGGTGTC	94°C for 2 min	(94°C for 30 sec, 55°C for 30 sec, 68°C for 1 min) 35x
Mitf-M2 For	GTCACTACCAGGTGAGCATT		
Mitf-M Rev	GATCTGTCCCCTTTTCGAATCGG		
ROSA mTmG For	CTCTGCTGCCTCCTGGCTTCT	94°C for 2 min	(95°C for 30 sec, 60°C for 1 min, 72°C for 1min) 35x
ROSA mTmG Rev	TCAATGGGCGGGGGTCGTT		
Cre For	GGTGTCCAATTTACTGACCGTACA		
Cre Rev	CGGATCCC GCCGATAACCAGTG		
mCrb1 For1	GTGAAGACAGCTACAGTTCTGATC	94°C for 5 min	(94°C for 30 sec, 56°C for 30 sec, 72°C for 30 sec) 35x
mCrb1 Rev	GCCCCATTTGCACACTGATGAC		
mCrb1 For2	GCCCCTGTTTGCATGGAGGAAACTTGGAAGACAGCTACAGTTCTTCTG		Final extension: 72 °C for 7 min