

## Supplementary Materials

Table S1: Primer sequences used for qPCR analysis of gene expression.

Gene Symbol	Accession no.	Forward Primer 5"-3"	Reverse Primer 5"-3"
<i>Avpr1a</i>	NM_016847.2	TTCGTTTGGACCGATTCCGA	CGTCCCAGTGCTGTTTGTG
<i>Oxtr</i>	NM_001081147.1	TGGTTTGCATCCCTCCTGTC	AGGTGTGCCGTCTTTCACAA
<i>Gapdh</i>	NM_001289726.1	AACTTTGGCATTGTGGAAGG	ACACATTGGGGGTAGGAACA
<i>Pgk1</i>	NM_008828.3	CTCCGCTTTCATGTAGAGGAAG	GACATCTCCTAGTTTGGACAGTG
<i>Sdha</i>	NM_023281.1	GATTACTCCAAGCCCATCCA	GCACAGTCAGCCTCATTCAA
<i>Tbp</i>	NM_013684.3	GAAGAACAATCCAGACTAGCAGCA	CCTTATAGGGAACCTCACATCACAG

Table S2: Primer sequences used for ChIP-qPCR analysis of histone binding to the *Oxtr* promoter.

Genomic Sequence; NC\_000072.6 Reference GRCm38.p4 C57BL/6J

Target Region	Forward Primer 5"-3"	Reverse Primer 5"-3"
<i>Oxtr</i> TSS -1063	TGGATTCTCCGCCAGATTG	GAGTTTGCAAAGACGCCGAG
<i>Oxtr</i> TSS +14	AGTATGAGACACAGGACCGC	CGCAGCCAACCTGGAGTATCG
<i>Oxtr</i> TSS +511	CAGGGCTGGATGAAGACCG	AGGTGCACATTTTCTCGCTG