Supplementary Information

Table S1. The information for gene primers.

Gene Symbol	Accession No.	Forward Primer	Reverse Primer	*Ct* (Mean ± SD)
		Testis		
Rps16	X17665	5'-AAGTCTTCGGACGCAAGAAA-3'	5'-TGCCCAGAAGCAGAACAG-3'	20.7 ± 0.09
Lhcgr	NM_012978	5'-CTGCGCTGTCCTGGCC-3'	5'-CGACCTCATTAAGTCCCCTGAA-3'	26.7 ± 0.24
Scarb1	NM_031541	5'-ATGGTACTGCCGGGCAGAT-3'	5'-CGAACACCCTTGATTCCTGGTA-3'	26.5 ± 0.09
Star	NM_031558	5'-CCCAAATGTCAAGGAAATCA-3'	5'-AGGCATCTCCCCAAAGTG-3'	26.3 ± 0.34
Hsd11b1	NM_017080.2	5'-TCTTCTTGGCCTACTACTAC-3'	5'-TTGCTGGCCCCTGTGACAAT-3'	24.5 ± 0.16
Sgk1	NM_019232	5'-CAGAATGAGGGGAATGGTAGC-3'	5'-TTGGCGTGGGGATTTGAG-3'	26.8 ± 0.19
Nos2	NM_012611.3	5'-AATAGAGGAACATCTGGCCAGG-3'	5'-ACTTCCTCCAGGATGTTGTA-3'	27.5 ± 0.23
Cyp11a1	NM_017286	5'-AAGTATCCGTGATGTGGG-3'	5'-TCATACAGTGTCGCCTTTTCT-3'	27.1 ± 0.43
Hsd3b1	NM_017265	5'-CCCTGCTCTACTGGCTTGC-3'	5'-CCCTGCTCTACTGGCTTGC-3'	25.7 ± 0.13
Cyp17a1	NM_012753	5'-TGGCTTTCCTGGTGCACAATC-3'	5'-TGAAAGTTGGTGTTCGGCTGAAG-3'	26.6 ± 0.21
Hsd17b3	NM_054007	5'-TTTCTTCGGGAGTAGGGGTTC-3'	5'-TCATCGGCGGTCTTGGTCG-3'	28.8 ± 0.22
Insl3	NM053680	5'-GTGGCTGGAGCAACGACA-3'	5'-AGAAGCCTGGTGAGGAAGC-3'	26.2 ± 0.25
Nr3c1	NM_012576.2	5'-GAAATGGGCAAAGGCGATAC-3'	5'-GCAAATGCCATGAGAAACAT-3'	27.0 ± 0.16
		Pituitary		
Rps16	X17665	5'-AAGTCTTCGGACGCAAGAAA-3'	5'-TGCCCAGAAGCAGAACAG-3'	20.5 ± 0.35
Lhb	NM_008497	5'-CTGCTGCTGAGCCCA AGTGT-3'	5'-TGCTGGTGGTGAAGGTGATG-3’	30.7 ± 0.45
Gnrhr	U92470	5'-CTTGAAGCCCGTCCTTGG-3'	5'-GCGATCCAGGCTAATCAC-3'	23.5 ± 0.47
Esr1	NM012689	5'-GCTCCAATTCTGACAATCG-3'	5'-TTTCGTATCCCGCCTTTCA-3'	25.6 ± 0.24
Nr3c1	NM_012576	5'-GAAATGGGCAAAGGCGATAC-3'	5'-GCAAATGCCATGAGAAACAT-3	25.9 ± 0.51
Rps16	X17665	5'-AAGTCTTCGGACGCAAGAAA-3'	5'-TGCCCAGAAGCAGAACAG-3'	20.5 ± 0.35

Figure S1. Histochemical staining for 3β-hydroxysteroid dehydrogenase 1 (HSD3B1). Leydig cells were stained by adding 0.4 mM etiocholan-3-ol-17-one, 0.2 mM NAD^+, and nitrotetrazolium blue. The blue color was formed. Scale bar = 10 μm.