

Supplementary Material

Establishment of a stem Leydig cell line capable of 11-ketotestosterone production

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Table S1. The information of primers used in the present study

Fig. S1. The Cyp11b2+ cells and apoptosis in the 6-month-old Nile tilapia testis after 4 days with EDS or the vehicle (control) treatment

Table S1. The information of primers used in the present study

Gene	Forward primer	Reverse primer
<i>pdgfra</i>	GGAGGTCAAACCTGGTGTCCAA	AGGATCACATAACTCCTGCTGC
<i>nestin</i>	AAGCCTGAGGGGAGATGTGT	GGCCTTTCATCAGCGCATTTC
<i>coup-tfIIa</i>	ACTATCTCTTCCCACACCTCA	ACTCCACGGCACTGAAGAGCA
<i>sf1</i>	GCCAAGAAAGAAGAGTCGTTGG	TGATCCTCGGGCGTCTCAAT
<i>star1</i>	CAACAGAGGAAAACCTTCACAGC	TCCCTCTATCTGGCTTGGGT
<i>star2</i>	ACGGAGAGCCCGAGTGTTA	ATGCCCGTGTGACGTATGA
<i>cyp17a2</i>	CTCTCGTTCCTGCCTCCTTCG	ACCCCTGCTTTTCGCTGGACA
<i>cyp11b2</i>	CTACAGAGAAAAGCTGGGCAC	CTAGCTTCCAGTGCAAACGAA
<i>dmrt1</i>	AGGACAAACAGAGTAAGCAGGTACC	CCATGGTCTCAGAGCAGCTGT
<i>vasa</i>	TATGGGACATGTGTGCGACC	AGAACATTTGCCAGAGCGGA
<i>dnd</i>	GTGCTGAACCTTGAACGGGT	AATGCTTCCACCAGCACTTTC
<i>β-actin</i>	GGCATCACACCTTCTACAACGA	ACGCTCTGTCAGGATCTTCA

Fig. S1 The Cyp11b2⁺ cells (a) and apoptosis (b) in the 6-month-old Nile tilapia testis after 4 days with EDS or the vehicle (control) treatment. A large number of Cyp11b2⁺ cells predominantly located in the interstitial of the testis were observed in the vehicle group, which were substantially reduced in the EDS-treatment group (a). In contrast, almost no cells appeared apoptosis in the vehicle group, whereas a large number of the interstitial cells displayed apoptosis in the EDS treatment group (b). Scale bars, 20 μ m.

