

Supplementary Table S1. List of tilapia primers used for qRT-PCR.

Genes	5'/3' forward primer	5'/3' reverse primer	Access number
Reference gene			
<i>ef1</i> *	GCACGCTCTGCTGGCCTTT	GCGCTCAATCTTCCATCCC	<u>AB075952</u>
Liver metabolism			
<i>gck</i>	GGGTGGTAGGATTTGGTGTG	TGCTGACACAAGGCATCTTC	XM__003451020
<i>pfklr</i>	GACGAGCGAGTGGAGAAAAC	TGTCTTGATCCGAGGGAATC	XM__003447353
<i>pklr</i>	AGGTACAGGTCACCCGTCAG	CATGTCGCCAGACTTGAAGA	XM__005472622
<i>g6pca1</i>	AGCGTTAAGGCAACTGGAGA	AAAAGCTAACAAGGCCAGCA	XM__003448671
<i>g6pca2</i>	CTTCTTCCCCCTTTGGTTTC	AGACTCCTGCAGCTCCCATA	XM__013273429
<i>pck1</i>	AAGCTTTTGACTGGCAGCAT	TGCTCAGCCAGTGAGAGAGA	XM__003448375
<i>pck2</i>	TACGTCTTGAGCTCCCGTCT	CCTCCTGGATGATGCAAGTT	XM__019354843
<i>fasn</i>	AACCTGCTTCTCAAGCCAAA	CGTCACCCCTTGTTCTTTGT	XM__013276809
<i>g6pd</i>	GTCACCTCAACCGGAAGTA	TGGCTGAGGACACCTCTCTT	XM__013275693
<i>asat</i>	GCTTCCTTGGTGACTTGGAA	CCAGGCATCTTTCTCCAGAC	XM__003451918
<i>alat</i>	CACGGTGAAGAAGGTGGAGT	GCAGTTCAGGGTAGGAGCAG	XM__005476466
<i>gdh</i>	CGAGCGAGACTCCAACCTACC	TGGCTGTTCTCATGATTTGC	XM__003457465
Muscle metabolism			
<i>glut4</i>	GAGGATGGACATGGAGAGGA	CAGGAAAAGCGAGACTACCG	JN900493
<i>hk1</i>	CGTCGCTTAGTCCCAGACTC	TGACTGTAGCGTCCTTGTGG	XM__019360229
<i>hk2</i>	CAGAGGGGAATTCGATTTGA	CCCACCTCGACATTGACACAC	XM__003448615
<i>pfkma</i>	AGGACCTCCAACCAACTGTG	TTTTCTCCTCCATCCACCAG	XM__019349871
<i>pfkmb</i>	TTTGTGCATGAGGGTTACCA	CACCTCCAATCACACACAGG	XM__003441476
<i>pkma</i>	TGACTGCTTCCTGGTCTGTG	CAGTGAAAGCTGGCAAATGA	XM__005447626

*From Yang et al. (2013).