

Additional file 4: List of primers used for microarray validation. The primers efficiency in real-time PCR was calculated according to a dilution curve prepared for each primer.

Gene	Primers	Product size	Efficiency in real-time PCR
<i>adh5</i> AF399909	GTCCCAAAGCTGGTGAACGAC AGCATGCATCAGGTCAAAGGC	111 bp	E=1.99
<i>adh8b</i> AY309075	GTTCCGGAGCCACAGATTTCC GTTGCCACACACTCCAGAGA	113 bp	E=2
<i>vtg1</i> NM_170767	ACTACCAACTGGCTGCTTAC ACCATCGGCACAGATCTTC	100 bp	E=2
<i>vtg3</i> AF254638	CAGATGGCTTTATCGGCGTGAC CACGGCAGGCCATTGAAAC	112 bp	E=2
<i>efia</i> L23807	AATCGGTGGTGGTGGCAAGGTC AAGAACTCGCCGCAACCTTTG	101 bp	E=2
<i>cyp2k6</i> AF283813	TGAGTGGGAAACGCCTGA GCCAAACTCTCTCCAATGCA	126 bp	E=2
<i>raraa</i> L03398	ATGGATGACGCTGAGACGGGAC GTGTGGCCTTCTGTTCCCTCACG	147 bp	E=1.8
<i>cyp1a</i> AF057713	GCAGGTTTTGACACTATCAGT GACTCCAGAAGCGGCAG	160 bp	E=2
<i>igf1</i> AF268051	CCTCGAGATGTATTGTGCG TACAGGAAGAGTGGCTATGC	125 bp	E=1.8
<i>esr1</i> AF349412	TAGTTGACGCATGTGCCA TAGGAGCGCTCACTCTGATC	123 bp	E=1.9
<i>rdh10</i> BI890056	TTTGCCGTTTGATGCCATTGTG TCGTCGACTCCTTGCGTTGAGC	92 bp	E=2
<i>rdh14</i> BF718032	TCCTGGCCTGCAGAGACATGAG CTGCAAAGAGGCCAGATCCAGC	110 bp	E=2
<i>dhrs10</i> BI888372	CAGGGTATTGGCAGGGCTTTCG TGCGCCACATCCTCAGCCTTTC	91 bp	E=2
<i>scd</i> BF717695	GGATCACCGCGTGCATCACAAG TTCGAACCAGCAGCCAGCCAAC	101 bp	E=1.9
<i>fads2</i> AF309556	CAGCGGACACCTCAACTT AGCCAGAGCTCGCCAGA	188 bp	E=1.8
<i>star</i> AF220435	ACCTGTTTTCTGGCTGGGATG GGGTCCATTCTCAGCCCTTAC	81 bp	E=1.9