Additional file 1: Information on oligonucleotide primers used

Table S1. Oligonucleotide primers used for molecular cloning and mRNA expression assay of mud loach LEAP2 isoforms

Primer	Sequence (5' to 3')	Purpose
MMcLEAP2a FW2	GCTGCATTCTCTCGCAAAGT	Isolation of LEAP-2A and LEAP-2B cDNAs
MMcLEAP2a RV4	AAGACAAGACATAAAAATTTTATT	
MMcLEAP2b FW1	CAAAGCTTCCTTTTTTAGG	
MMcLEAP2b RV1	GTGTTTTAGTGGTTTATTTAAC	
MM LEAP2a GW1	TCAGAGCAACACTGCCTACAGAGACGAT	Genome walking to 5'-upstream region (both for LEAP-2A and -2B isoforms)
MM LEAP2a GW2	CAGCATAATAGACACCTAATGCCTCTC	
MM LEAP2b GW1	TTGTACCTCTGTGCTCACCACTGGCA	
MM LEAP2b GW2	CACTAGATACCCGAAGTGTCAGCACA	
MM LEAP2b GW1F	CTCAGTTCTCATGACAAAGGCCACTG	Genome walking to 3'-downstream region (only done with LEAP-2B isoform)
MM LEAP2b GW2F	TCCTCTATGTGTTGCAAGGGGTATTTG	
MMgLEAP2a pR-1F	ATCGGTGGCTAAACCAGAGA	Isolation of full length genomic LEAP2 sequences (from 5´-flanking region to 3´-region)
MM cLEAP2a RV3,	TATGAACTGATGAGGCATACAATA	
MMgLEAP2b pR-1F	ACGTCATCTGTGCTGGAGAA	
MM cLEAP2b RV1	Same primer used for isolation of cDNA (see above)	
qMMLEAP2aF	CACCTAAGAGAACTGCTCGA	Real-time RT-PCR assay of LEAP2 transcripts along with normalization control (18S rRNA)
qMMLEAP2aR	CGTGCATGATGGTGTATAGC	
qMMLEAP2bF	GACACTTCGGGTATCTAGTG	
qMMLEAP2bR	AAGAGCAATGGCCATTCCTG	
qMM 18S 1F	AAGCTCGTAGTTGGATCTCG	
qMM 18S 1R	GCCTGAATACGCAGCTAGG	

Routine sequencing primers used only for primer walking-based sequence determinations are not shown here.