

Table. Characteristics of primers and reactions conditions used in the study used to identify differentially expressed genes, long non-coding RNAs and alternatively spliced RNAs

Differential Gene Expression						
Gene Symbol	Primers sequences	Primers (nM)	Amplicon Size	GenBank accession number	References	Reaction Conditions
IL17C	F 5'-CTGGAAGCTGACACTCACG-3' R 5'-GGTAGCGGTTCTCATCTGTG-3'	400	155 bp	XM_021220807.2	[115] [116]	activation at 95°C - 10 min, followed by 40 cycles of denaturation at 95°C - 15 s, annealing at 60°C for - 1 min elongation - 72°C for - 1 min
CYP2C49	F 5'- TCTCAACAGGAAAACGAATTTGTG-3' R 5'-TATGGCTGAACCCACTTAAAATG-3'	200	153 bp	XM_013983597.2	[117]	
IRS4	F 5'-CCGACACCTCATTGCTCTTTTC-3' R 5'-TTTCCTGCTCCGACTCGTTCTC-3'	200	73 bp	XM_006724713.4	[118]	
CCNA1	F 5'- GCGCCAAGGCTGGAATCTAT-3' R 5'- CCTCAGTCTCCACAGGCTAC-3'	200	196 bp	XM_005668339.3	[119]	
NMUR2	F 5'-CTCTGTTCTCTTCTCTCTGC-3' R 5'- GCTTGATGACTGTACAGGTA-3'	200	107 bp	XM_003134131.3	[120]	
OCLN	F 5'- CAGTGGTAACTTGGAGGCGT -3' R 5'- CCGTCGTGTAGTCTGTCTCG -3'	400	104 bp	NM_001163647.2	[121]	activation at 95°C - 10 min, followed by 40 cycles of denaturation at 95°C - 15 s, annealing at 57°C for - 1 min elongation - 72°C for - 1 min

HCRT1	F 5'-ACCGCTGGTATGCCATCTACCAC-3' R 5'-ATAAGGTCATCTGCCAGCGTTCA-3'	400	27-49 (F) 208-232 (R)	AF097995	[71]	activation at 95°C - 10 min, followed by 40 cycles of denaturation at 95°C - 15 s, annealing at 59°C for - 1 min elongation - 72°C for - 1 min
CMLKR1	F 5'-GGACTACCACTGGGTGTTTCG-3' R 5'-GCCATGTAAGCCAGTCGGA-3'	400	174 bp	EU660866	[63]	
ACTB	F 5'- ACATCAAGGAGAAGCTCTGCTACG-3' R 5'- GAGGGGCGATGATCTTGATCTTCA-3'	200	366 bp	U07786	[122]	
GAPDH	F 5'- CCTTCATTGACCTCCACTACATGGT-3' R 5'- CCACAACATACGTAGCACCACGAT-3'	200	183 bp	NM_001206359.1	[123]	

Differential Alternative Splicing Events

Gene	Primers sequences	Primers (nM)	Amplicon Size	GenBank accession number	References	Reaction Conditions
Symbole						
FBXO15	F: 5'-TTCTACTTGGATGCTGTGACCT-3' R: 5'-GTCCACCATGATTGGCTGTG-3'	400	Inclusion 598 Skipping 387	XM_005659828.3	herein	activation at 95°C - 10 min, followed by 40 cycles of denaturation at 95°C - 15 s, annealing at 58°C for - 1 min elongation - 72°C for - 1 min
CPSF7	F: 5'-GCATCTTTCTTACCTTGTGCGTT-3' R: 5'-TTTCAGAGGCTACCACCACC-3'	400	Inclusion 460 Skipping 306	XM_021082934.1		activation at 95°C - 10 min, followed by 40 cycles of denaturation at 95°C - 15 s,

PIGN	F: 5'- AGCAGCTCTGGTCAGGTAAG-3' R: 5'- TGATGGTCGGTGAGCATGTC-3'	400	Inclusion 884	XM_021099768.1	annealing at 60°C for - 1 min, elongation - 72°C for - 1 min
			Skipping 761		
RECK	F: 5'- AACCAAATGTGCCGTGATGT-3' R: 5'- AGTTTGTGTGATGGCCTGCA-3'	400	Inclusion 352	XM_021065979.1	
			Skipping 292		
PAM	F: 5'- ATGGGACCGTGTTTGTGGA-3' R: 5'- GTCTGTGTGGGACTGTACACAT-3'	400	Inclusion 678	XM_021084569.1	
			Skipping 292		
CDC45	F: 5'- TGTCTAGGACCTGAGCGACA-3' R: 5'- TGATGTGGTCTTTGCCACCAT-3'	400	Inclusion 551	XM_021074124.1	
			Skipping 415		

lncRNA

Gene	Primers sequences	Primers (nM)	Amplicon Size	GenBank accession number	References	Reaction Conditions
Symbole						
CCBE1	F: 5'- TGCTGGGATGTATTGGCGATT-3' R: 5'- GCAACCGTCTGTCTTTGCTG -3'	300	140	AK395352.1	herein	activation at 95°C - 10 min, followed by 40 cycles of denaturation at 95°C - 15 s, annealing at 59°C for - 1 min, elongation - 72°C for - 1 min
CCNB1IP1	F: 5'- TATGCATGGGTCAGTGCCTG -3' R: 5'- CCGCACAGAACTCAGTCCAT -3'	300	142	XR_002345959.1		
MSTRG.515.2	F: 5'- AGCAGTTCAGTTTGGGCAGT -3' R: 5'- GTAGAGTGGGCACATGGCTT -3'	300	135	XM_003121722.6		

MSTRG.10127.1	F: 5'-CATGTCCCTTGGGAAGGTCT-3' R: 5'-GAGGTGAGTTCCCAGAGAACG-3'	300	150	XR_002345958.1		
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ADTRP - androgen dependent TFPI regulating protein; **IL17C** - interleukin 17C; **CYP2C49** - cytochrome P450 2C49; **LRP15** - leucine rich repeat containing 3B; **IRS4** - insulin receptor substrate 4; **CCNA1** - cyclin a1; **NMUR2** - neuromedin U receptor 2; **OCN** - occludin; **HCRT1** - hypocretin receptor 1; **CMLK1** - chemerin chemokine-like receptor 1; **ACTB** - actin beta; **GAPDH** - glyceraldehyde-3-phosphate dehydrogenase; **FBXO15** - **CPSF7** - cleavage and polyadenylation specific factor 7; **PIGN** - phosphatidylinositol glycan anchor biosynthesis class N; **RECK** - reversion inducing cysteine rich protein with kazal motifs; **PAM** - peptidylglycine alpha-amidating monooxygenase; **CDC45** - cell division cycle 45 **CCBE1** - collagen and calcium binding epidermal growth factor domains 1, **CCNB1IP1** - cyclin B1 interacting protein 1, F – forward; R - reverse

Reference

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