

**ONLINE SUPPLEMENTARY CONTENT****Table SI - The primers for quantitative reverse transcriptase polymerase chain reaction**

Gene		Sequence (5' -> 3')
<b>POLE2</b>	Forward Primer	ATTTACTCCTCCGGTGATAGGTT
	Reverse Primer	GCATCTCCGATTTTGGTTGACT
<b>DCUN1D4</b>	Forward Primer	GCCAAGACGATCACCAACAG
	Reverse Primer	AACCATTCCAAGCACCTTTTACT
<b>DAD1</b>	Forward Primer	TCTCGGGCTTCATCTTTGTG
	Reverse Primer	ATCCGCTTGTCTGTGGGT
<b>ACTIN</b>	Forward Primer	TTGTTACAGGAAGTCCCTTGCC
	Reverse Primer	ATGCTATCACCTCCCTGTGTG

**Table SIII - Top 20 long non-coding RNA differentially expressed in platelet concentrates on days 0, 2 and 4**

Gene ID	Gene_type	Mean_FPKM	Description
<b>NORAD</b>	lincRNA	2,093.39±452.54	A negative regulator of PUMILIO (PUM) proteins in the cytoplasm
<b>AP001189.4</b>	antisense	1,185.01±78.12	Leucine rich repeat containing 32
<b>AC005301.9</b>	lincRNA	1,125.22±126.90	
<b>LINC00989</b>	lincRNA	953.17±254.38	Long intergenic non-protein coding RNA 989
<b>AP003068.23</b>	antisense	415.02±57.25	N-acetylated alpha-linked acidic dipeptidase-like 1
<b>RP11-186B7.4</b>	processed_transcript	283.61±31.63	
<b>RP11-367G6.3</b>	lincRNA	251.78±103.67	
<b>TSPOAP1-AS1</b>	antisense	217.41±21.49	Metazoan signal recognition particle RNA
<b>HRAT92</b>	lincRNA	214.73±26.25	Uncharacterized LOC441307
<b>RP11-793H13.8</b>	processed_transcript	180.31±11.80	
<b>RP11-120M18.2</b>	processed_transcript	158.95±17.05	
<b>RP11-501J20.5</b>	antisense	152.55±27.75	
<b>CTB-12A17.3</b>	antisense	145.84±37.75	
<b>MAGI2-AS3</b>	processed_transcript	134.59±30.46	MAGI2 antisense RNA 3
<b>WDR11-AS1</b>	antisense	133.03±31.59	WDR11 antisense RNA 1
<b>LINC01011</b>	lincRNA	121.41±24.85	Long intergenic non-protein coding RNA 1011
<b>MIR4435-2HG</b>	lincRNA	121.13±8.74	MIR4435-1 host gene (non-protein coding)
<b>RP13-578N3.3</b>	antisense	118.45±31.36	
<b>NEAT1</b>	lincRNA	117.31±13.21	Nuclear paraspeckle assembly transcript 1 (non-protein coding)
<b>CTD-3092A11.2</b>	sense_intronic	114.17±17.23	

Table SIII - Top 20 circular RNA differentially expressed in platelet concentrates on days 0, 2 and 4

circID	Annotation	Mean FPKM	Sum_count	Description
chr12_108652272_108654410_-	CORO1C	3,072.5±484.5	37,180	Coronin 1C
chr4_104518577_104519454_-	NA	3,107±744	32,032	NA
chr16_85633914_85634132_+	GSE1	4,697.5±988.5	30,807	Gsel Coiled - Coil Protein
chr4_143543509_143543972_+	SMARCA5	1,500.5±748.5	24,614	SWSNF Related, Matrix Associated, Actin Dependent Regulator of Chromatin Subfamily A, Member 5
chr5_137985257_137988315_-	FAM13B	1,569±61	23,916	Family With Sequence Similarity 13 Member B
chr21_34834410_34859578_-	RUNX1	1,066±59	12,205	RUNX Family Transcription Factor 1
chr12_68650400_68654252_+	RAP1B	851±100	11,686	RAP1B Member of RAS Oncogene Family
chr17_28163543_28172618_+	NLK	926±133	9,768	Nemo Like Kinase
chr20_2964272_2965202_+	PTPRA	802.5±99.5	9,708	Protein Tyrosine Phosphatase Receptor Type A
chr2_147896301_147899898_+	ACVR2A	791±100	7,667	Activin A Receptor Type 2A
chr11_73707420_73718718_-	RAB6A	668.5±75.5	7,625	RAB6A, Member RAS Oncogene Family
chr15_75859878_75873568_+	UBE2Q2	419.5±161.5	6,766	Ubiquitin Conjugating Enzyme E2 Q2
chr1_117402186_117420649_+	MAN1A2	578.5±327.5	6,441	Mannosidase Alpha Class 1A Member 2
chr4_53414615_53428183_+	FIP1L1	635±38	6,403	Factor Interacting With PAPOLA And CPSF1
chr21_15014344_15043574_-	NRIP1	445±51	6,340	Nuclear Receptor Interacting Protein 1
chr8_51860845_51861246_-	PCMTD1	814.5±402.5	6,100	Protein-L-Isoaspartate (D -Aspartate) O-Methyltransferase Domain Containing 1
chr10_16752539_16782084_-	RSU1	409.5±275.5	5,842	Ras Suppressor Protein 1
chr7_152309966_152315338_-	KMT2C	456.5±27.5	5,201	Lysine Methyltransferase 2C
chr21_36338779_36344707_+	MORC3	380.5±52.5	5,190	MORC Family CW-Type Zinc Finger 3
chr11_124647365_124648175_-	SIAE	513±65	4,976	Sialic Acid Acetyltransferase

NA: not available.