

Supplemental data

Table S1. List of genes up/ down regulated

Table S2. Primer sequences used for RT-PCR

HaCaT keratinocytes

FC (abs) ([750] vs [0])	Regulation ([750] vs [0])	genesymbol	Transcripts Cluster Id
1.50	up	PNPT1	16897797
1.50	up	FAM72D	16691883
1.51	up		16889109
1.52	up	HIST3H2BB	16678496
1.52	up	HIST1H2BL	17016486
1.53	up	TNFRSF12A	16815310
1.53	up	PLSCR1	16960186
1.55	up	DDX60L	16981266
1.56	up		17100659
1.56	up		17100663
1.57	up	HIST1H3H HIST1H3F HIST1H3B	17005862
1.60	up	SLC7A11	16979917
1.62	up	CHAC1	16799739
1.62	up	DKK1	16705011
1.63	up		17100685
1.65	up	IFIH1	16904365
1.65	up	VEGFA	17009093
1.66	up	HERC6	16968735
1.67	up	KCNQ5-IT1	17010273
1.67	up	EPSTI1	16778559
1.68	up	RN5S150	16961947
1.69	up	CCL5	16843511
1.70	up	IRF7	16733995
1.71	up	USP18	16926942
1.74	up	OASL	16771417
1.74	up		16885976
1.75	up	IFIT1	16707196
1.76	up	IFIT3	16707184
1.76	up	NRG1	17067696
1.80	up	FGF2	16970404
1.81	up	C3	16867784

1.85	up	IL7R	16984010
1.86	up	RFC1	17100667
1.87	up	OAS1	16757324
1.89	up	DDX58	17093090
1.95	up	EGR1	16989736
1.97	up	AREG	16967853
2.00	up	AREG	16967863
2.05	up	DUSP6 LOC100131490	16768297
2.20	up	OAS3	16757347
2.23	up	DDX60	16981219
2.35	up	BST2	16870200
2.41	up	FOSL1	16740630
2.43	up	MX1	16923031
2.47	up	IL1A	16901974
2.68	up	IFI44	16666509
2.68	up	XAF1	16830202
2.78	up	TNFAIP3	17012946
3.57	up	IFI6	16684080
4.10	up	IFI27	16787814
4.51	up	OAS2	16757373
7.95	up	IFI44L	16666485

HaCaT keratinocytes

FC (abs) ([750] vs [0])	Regulation ([750] vs [0])	genesymbol	Transcripts Cluster Id
1.51	down	TMEM14B	17004769
1.51	down	FBXO32	17080788
1.53	down	HCG8	17118224
1.54	down	HCG8	17118226
1.54	down	HCG8	17118230
1.54	down	HCG8	17118244
1.54	down	FAM210B	16915009
1.57	down	ATP6V1B1	16881199
1.59	down	SLC47A2	16842297
1.60	down	ANXA9	16670681
1.61	down		16927955
1.61	down	MXRA5	17108816
1.64	down	LYPD1	16902933
1.65	down	SEMA3C	17059119

1.66	down	SOX4	17005276
1.67	down	LOC100507395	17100826
1.69	down	VGLL1	17107309

Primary fibroblasts

FC (abs) ([750] vs [0])	Regulation ([750] vs [0])	genesymbol	Transcripts Cluster Id
1.50	up	RABL2A	16884766
1.50	up	POLE	16772625
1.50	up	H2AFY	17000129
1.50	up		17094659
1.50	up	GLUD1	16716239
1.51	up	CKS2	17086634
1.51	up	DOCK10	16909081
1.51	up	CDK2	16752305
1.51	up	TUBGCP3	16781136
1.51	up	CDCP1	16952769
1.51	up	FLJ35776	16850656
1.51	up	LOC100507503	16859268
1.51	up	RN5S199	16991470
1.51	up	RFC5	16757687
1.51	up		16730965
1.51	up	FBXO9	17009659
1.51	up		16917545
1.51	up		16986937
1.51	up	SMA5 SMA4 GUSBP9 GUSBP3	16996971
1.51	up		17012783
1.52	up		16769941
1.52	up		17022814
1.52	up	HIST1H1C	17016372
1.52	up	SNORD15B	16729126
1.52	up		16921464
1.52	up	KIAA1841	16880442
1.52	up	MTHFD1	16785316
1.52	up	TMEM48	16687418
1.53	up	LOC100509976	16747257
1.53	up	ANXA2R	16995883
1.53	up		17085376

1.53	up	SUV39H1	17103413
1.53	up	GUSBP9 GUSBP3 SMA5 GUSBP2	16997046
1.53	up	SPDYE7P SPDYE2 SPDYE2L SPDYE6	17049794
1.53	up	LOC100509195 LOC100506560	16692269
1.54	up	RN5S399	16802696
1.54	up	SMA4 GUSBP3 SMA5 GUSBP9	16996946
1.54	up	ARHGAP24	16968497
1.54	up	ANKRD10 ANKRD10-IT1	17117613
1.54	up	TMEM158	16952782
1.54	up	CNTROB	16830839
1.55	up	APAF1	16755542
1.55	up	CSPG4	16811858
1.55	up	APOLD1	16748490
1.55	up	GJC1	16845736
1.55	up	CEP192	16851134
1.55	up	SASS6	16690067
1.55	up	C5	17097955
1.55	up	FAM106CP	16831550
1.55	up	LOC100653515	16849567
1.55	up	C11orf80	16727570
1.56	up	SNORA7B	16958972
1.56	up	CENPQ	17009482
1.56	up	RRM1	16721126
1.56	up	ERI2	16824690
1.56	up	SLC20A1	16884523
1.56	up	TJP2	17085685
1.56	up		16764110
1.56	up	FLJ43663	17062955
1.56	up	SCLT1	16979719
1.56	up	SPATA5	16970409
1.56	up	SFPQ	16685076
1.56	up	CENPP	17086784
1.56	up	SDHAP2	16949882
1.57	up	TCF19	17033265
1.57	up	TCF19	17040632
1.57	up	SMC4	16947556
1.57	up	TCF19	17038044
1.57	up	TCF19	17030560

1.57	up	TCF19	17027710
1.57	up	TCF19	17035356
1.57	up		16748202
1.57	up	ACYP1	16794888
1.57	up	RN5S150	16961947
1.57	up		16720338
1.57	up	CKS1B	16671503
1.57	up	ZNF638-IT1	16881350
1.57	up		16706257
1.57	up	STAG3L3 STAG3L1	17058372
1.57	up		17087951
1.58	up	PER3	16658536
1.58	up	SMC1A	17111219
1.59	up	RABGEF1	17046680
1.59	up	HIST1H1E	17005569
1.59	up	LOC100288160	16788540
1.59	up		17106570
1.59	up		16700454
1.59	up	ENOSF1	16853418
1.59	up	C9orf100	17093724
1.59	up	LOC100507088	17075360
1.60	up	CCP110	16816479
1.60	up	USP13	16948320
1.60	up	DGKH	16774319
1.60	up	ZNF85	16860140
1.60	up	ZNF250	17082935
1.60	up		16937793
1.60	up	HMGB2	16981506
1.60	up	FLRT2 LOC100506718	16787135
1.61	up	CDCA4	16797213
1.61	up	SNORD12	16914745
1.61	up	NET1	16702047
1.61	up	RFC4	16962493
1.61	up	LOC729737 LOC100653348	16822256
1.61	up	FAM111A	16725049
1.61	up		16705283
1.62	up	DSN1	16918976
1.62	up	RN5S385	16784135

1.62	up	LOC100287934	16657502
1.62	up	KIAA1731	16730061
1.62	up	PCID2	17117617
1.63	up	SPDYE1 SPDYE5	17057130
1.63	up		16843929
1.63	up	RN5S298	16711087
1.63	up	LOC374443	16748196
1.63	up	RNASEH2A	16858714
1.63	up	CIT MIR1178	16771067
1.63	up	FLJ25917	17110372
1.63	up	RAD18	16950448
1.63	up	METTL2B	17051167
1.64	up	MIS18A	16924966
1.64	up	MIR571	16963685
1.64	up		16669632
1.64	up	MTX2	16887993
1.64	up	LMNB2	16866951
1.64	up	HNRNPH1	17003682
1.64	up	MNS1	16809748
1.64	up		16739606
1.64	up	C15orf29	16806844
1.64	up	ABHD3	16854202
1.65	up		16679945
1.65	up	CEP135	16966971
1.65	up	CDC7	16667037
1.65	up	OXCT1	16995809
1.65	up		16794437
1.65	up		17077388
1.65	up	BARD1	16907960
1.65	up	FANCG	17093595
1.65	up	MEG8	16788542
1.66	up		16947087
1.66	up	RN5S428	16819792
1.66	up	XDH	16896196
1.66	up	MSH2	16879883
1.66	up	TMPO	16755498
1.66	up	LOC100506282	16742840
1.66	up	LOC100131541	17117545

1.66	up	NCAPH2	16931729
1.67	up	NCAPD3	16746379
1.67	up	LOC100132352	17085500
1.67	up	MPHOSPH9	16771894
1.67	up	FAM122B	17114348
1.67	up		17097128
1.67	up	DBF4	17047965
1.67	up	HMGA2	16753641
1.67	up	MCM4	17068782
1.67	up		16938335
1.68	up	TMEM194A	16766403
1.68	up	TIMELESS	16766137
1.68	up	CEP78	17086167
1.68	up	MCM3	17020019
1.68	up	SRGAP2B LOC100505630	16669568
1.68	up	KIAA0101	16810543
1.68	up	PBX1	16673229
1.68	up		16888979
1.68	up		16671379
1.68	up		17091903
1.68	up	SNORD4B	16832568
1.69	up	FOSL1	16740630
1.69	up	WHSC1	16964050
1.69	up		16769078
1.70	up	LOC81691	16816627
1.70	up	GAS2L3	16755692
1.70	up	RFWD3	16828327
1.71	up		16900734
1.71	up	CHAF1B	16922584
1.71	up		16801196
1.71	up		17072723
1.71	up	MIR1290	16682485
1.72	up	SNORD3B-1 SNORD3B-2 SNORD3A	16832005
1.72	up	SNORD3B-1 SNORD3B-2 SNORD3A	16842215
1.72	up	SNORD3A SNORD3B-1 SNORD3B-2	16832031
1.72	up	FKSG49 LOC100653153	16985065
1.72	up	CDC45	16927052
1.72	up	PARP2	16781482

1.72	up		16816700
1.72	up	CEP97	16943435
1.72	up		16679892
1.72	up	CDC6	16834056
1.73	up	GIN53	16819678
1.73	up	RN55435	16840406
1.73	up	RN5585	16894557
1.73	up	SNORD114-17	16788669
1.73	up	PTEN	16707030
1.73	up	CENPC1	16976362
1.74	up		16762280
1.74	up	GPR21 RABGAP1	17088881
1.74	up		17071440
1.74	up		17043586
1.74	up	MCM2	16945101
1.74	up	INCENP	16725806
1.74	up	FTX	17112170
1.75	up	MMS22L	17021845
1.75	up	DONSON	16925239
1.75	up	CHAF1A	16857192
1.75	up	SNORD3C	16842237
1.75	up	LOC442075	16937503
1.75	up		17051191
1.75	up	POLR2J4	17058812
1.75	up	FOXMI	16760048
1.76	up	CCDC14	16958303
1.76	up		16988537
1.76	up		17016025
1.76	up	LOC100506392	16668880
1.77	up	CENPN	16821239
1.77	up	TFPI2	17059828
1.77	up	ZWINT	16714504
1.77	up	ANP32E	16692724
1.77	up	SNORD117	17026760
1.77	up	SNORD117	17029076
1.77	up	SNORD117	17034317
1.77	up	SNORD117	17031845
1.77	up	SNORD117	17036565

1.77	up	SNORD117	17039358
1.77	up	SNORD117	17041857
1.78	up	UBE2T	16698023
1.78	up		17051189
1.78	up	RAD51	16799637
1.78	up	NCAPD2	16747287
1.78	up		16841575
1.78	up	CD99	17101193
1.78	up	SMC2	17087716
1.79	up	TMPO-AS1	16768936
1.79	up	ANKRD36 ANKRD36C	16883107
1.79	up	UHRF1	16857258
1.79	up		16903966
1.79	up	MIR4677	16679480
1.79	up	SMAD5	16989544
1.79	up	CCDC99	16992096
1.79	up		16854112
1.79	up	RNU4-9P	16777274
1.80	up		16835270
1.80	up		16984755
1.80	up	C18orf54	16852445
1.80	up	G2E3	16783047
1.81	up	E2F1	16918445
1.81	up	HIST1H2AK HIST1H2AH HIST1H2AG	17016496
1.81	up	WDR76	16800355
1.81	up	SNORA60	16913572
1.81	up		16692553
1.81	up	MIR3925	17018652
1.81	up	CENPO	16877762
1.81	up	MIRLET7A2	16745507
1.81	up		17092115
1.81	up	LOC100130428	17117547
1.81	up		17094494
1.82	up	ECT2	16948021
1.82	up		16824548
1.82	up	C20orf72	16911675
1.82	up	HIST1H4L HIST2H4B HIST4H4	17016506
1.82	up		16827759

1.82	up	MCM8	16911212
1.82	up		16664746
1.82	up		16993653
1.83	up	MCM5	16929573
1.83	up	PSMD6-AS2	16942419
1.83	up	HIST1H2BM	17005865
1.83	up	HNRNPA1	16751993
1.83	up	ANKRD36B	16900737
1.84	up		16748933
1.84	up	MIR4440	16910068
1.84	up	LOC100506290	16808717
1.84	up		16883194
1.84	up	HIST1H4J HIST2H4B HIST4H4	17005868
1.84	up	HIST1H4J HIST1H4K HIST2H4B	17016494
1.84	up	CD44	16723653
1.85	up		16798252
1.86	up		17025292
1.86	up		16772510
1.86	up	LOC100133091	17047578
1.86	up		16966932
1.86	up		16990845
1.86	up		16963094
1.87	up	MASTL	16703478
1.87	up		17025693
1.87	up	HIST2H4B HIST4H4 HIST2H4A	17005560
1.88	up	PRIM1	16766318
1.88	up	CDKN3	16784299
1.88	up	POLE2	16792519
1.88	up		16726880
1.88	up	SNORD66	16948967
1.89	up	HIST1H3I HIST1H3F HIST1H3B	17016503
1.89	up	LOC100287934 LOC100287497	17117424
1.89	up		16764595
1.89	up	DNA2	16714998
1.89	up	SLC7A5P2	16824901
1.89	up		16704863
1.89	up		16714282
1.89	up		16757275

1.89	up	WDHD1	16793190
1.89	up	ANKRD10-IT1	16781080
1.90	up	NAP1L1	16767756
1.90	up	SPCS2	16729035
1.90	up		16973315
1.90	up	PARPBP	16755928
1.90	up		16788677
1.90	up	LOC440993	16949914
1.91	up	MCM7	17060412
1.91	up	CLSPN	16685165
1.91	up		16734568
1.91	up	MIR329-1	16788725
1.91	up	C15orf23	16799517
1.91	up	ZNF367	17096205
1.92	up	LOC100190986	16824865
1.92	up	BIRC5	16838359
1.92	up	ZWILCH	16802204
1.93	up	LOC100190986	16816897
1.93	up		16988359
1.93	up	HIST1H3E HIST1H3F HIST1H3B	17005593
1.93	up	C5orf34	16995938
1.93	up	POLA2	16726790
1.94	up	MSH5 MSH5-SAPCD1	17038267
1.94	up		16836858
1.94	up	SKA3	16777278
1.94	up	BORA	16775324
1.94	up	BRCA1 LOC100505899	16845349
1.95	up	FANCB	17109211
1.95	up		17117888
1.95	up		16769900
1.95	up	AURKA	16920548
1.96	up	RTKN2	16714747
1.96	up	SYNE2	16785155
1.96	up	E2F7	16767851
1.96	up		16996182
1.96	up		17076804
1.96	up	MIR21	16836624
1.96	up	LOC100506636	16675922

1.96	up	ITPR3	17007543
1.96	up		16686980
1.97	up		16906063
1.97	up	MIR222	17110367
1.97	up	CG030	16777996
1.98	up	MYBL1 LOC645895	17077826
1.98	up		16829683
1.99	up	WDR62	16861318
1.99	up		16733806
1.99	up		16866392
1.99	up		16950181
1.99	up		16679897
1.99	up		16699572
1.99	up		16704088
1.99	up		16822254
1.99	up		16979334
1.99	up		17091901
1.99	up	MIR604	16712934
2.01	up	CENPM	16935517
2.01	up	H2AFX	16745236
2.01	up	HIST1H3F HIST1H3B HIST1H3H	17016400
2.02	up		17047585
2.02	up	UBAC2-IT1	16776045
2.02	up	GEN1	16877473
2.02	up	CENPA C2orf18	16877956
2.02	up	EZH2	17064105
2.02	up		16699778
2.02	up		16701183
2.02	up		17045834
2.02	up	E2F8	16736638
2.03	up	BUB1B PAK6	16799426
2.03	up	RANGAP1	16935396
2.03	up	GINS2	16828886
2.03	up		16940590
2.04	up	SNORD69	16941691
2.04	up	LOC100507672	17118158
2.04	up		17086359
2.04	up	RTTN	16855820

2.04	up	MSH5 MSH5-SAPCD1	17033478
2.05	up	FANCA	16829369
2.05	up	LOC100507117	17081213
2.06	up	C1orf112	16673557
2.06	up		16718901
2.07	up	LOC100287497 LOC100287934	16677898
2.07	up		16901827
2.08	up	LOC100272216	16996941
2.08	up	RBL1	16919044
2.09	up	KIFC1	17007459
2.09	up	MIR32	17096956
2.09	up	RAD54B FSBP	17079220
2.09	up		16701041
2.09	up	ANKRD33B-IT1	16983263
2.10	up	C3orf62 MIR4271	16940691
2.10	up	HIST1H4D HIST2H4B	17016383
2.10	up	DTL	16677201
2.10	up	LINC00342	16900286
2.10	up	KIF4A	17104484
2.11	up	LOC100127910	16673652
2.11	up		16906224
2.11	up		17118358
2.12	up		16825463
2.12	up		16995336
2.12	up		16825751
2.12	up		16825533
2.12	up	HIST2H3D HIST2H3A HIST2H3C	16670387
2.12	up	HIST2H3D HIST2H3A HIST2H3C	16692616
2.13	up		16770780
2.13	up		17101025
2.13	up	RFC3	16773946
2.13	up	ASF1B	16869588
2.14	up		16669481
2.14	up		16691852
2.14	up	RFX8	16901226
2.14	up	CKAP2	16775014
2.14	up		16715997
2.15	up	POLA1	17102230

2.17	up	KIF20A	16989636
2.18	up	STIL	16686796
2.18	up		17118321
2.18	up	RRM2	16877019
2.18	up		16833026
2.19	up		16816895
2.19	up		16824980
2.19	up		16824899
2.19	up		16982477
2.20	up		16683268
2.21	up	NEK2	16698984
2.21	up	CCDC18	16667206
2.21	up	CCNE2	17079293
2.22	up	TRIP13	16982635
2.22	up		16847247
2.23	up	KIF18B	16845794
2.23	up	PLK1	16817017
2.23	up	FAM64A	16830173
2.23	up	LOC100133299	17118048
2.23	up	ATAD2	17080749
2.24	up		16755900
2.24	up	SMYD3-IT1	16701398
2.24	up	TROAP	16750761
2.25	up	MCM10	16702571
2.26	up	BRCA2	16773840
2.26	up		16802244
2.26	up		17050348
2.27	up	IL13RA2	17113448
2.27	up	RNU6-51	16777272
2.27	up	CDC20	16663514
2.28	up	PRR11	16836492
2.28	up	MIR421	17112187
2.28	up	KNTC1	16758336
2.29	up	EXO1	16679411
2.30	up		16748496
2.31	up	TPX2	16912379
2.32	up		16816702
2.32	up	MGC24103	17118390

2.32	up	FAM111B	16725041
2.33	up	MIR4451	16968521
2.34	up	E2F3-IT1	17005248
2.34	up	MAD2L1	16979389
2.34	up	FAM133CP	16705116
2.34	up		16807931
2.35	up	MELK	17084904
2.35	up	XRCC2	17064679
2.35	up	TACC3	16964000
2.35	up	MIR218-1	16965432
2.36	up	CCNA2	16979515
2.36	up	PRC1	16813342
2.37	up	CCNF	16815090
2.37	up	NEIL3	16972616
2.38	up	ANLN	17045198
2.38	up	FBXO5	17024980
2.38	up	SNORD113-3	16788576
2.39	up	SNX29P2 NPIPL3	17117684
2.39	up		16803678
2.40	up	GTSE1	16931384
2.40	up	CCNB1	16985599
2.40	up		16832835
2.40	up	CENPF	16677425
2.40	up	HIST1H2AE HIST1H2AB	17005589
2.41	up	BRIP1	16847432
2.41	up		16705008
2.41	up	KIF22	16817647
2.42	up		16849574
2.42	up	GINS1	16912192
2.42	up	KIFC1	17041352
2.42	up	KIFC1	17038792
2.43	up	TYMS ENOSF1	16850477
2.43	up	CDCA8	16662648
2.43	up	NCAPG2	17064939
2.43	up	HIST1H1B	17016499
2.44	up	KIF24	17093397
2.44	up	GSG2	16829764
2.44	up	NCAPH	16882975

2.45	up		16894359
2.45	up	SGOL2	16889251
2.47	up	DIAPH3	16779546
2.48	up	HIST2H2AB	16692636
2.48	up	KIAA1524	16957170
2.49	up	FAM83D	16913681
2.50	up	ARHGAP11A	16798919
2.50	up	ESCO2	17067332
2.51	up	HIST1H2BB	17016369
2.51	up	TK1	16849379
2.51	up	LOC646329	17062945
2.51	up	RAD51AP1	16747014
2.52	up	FANCI	16804559
2.53	up	ESPL1	16751709
2.55	up	CCNB2	16801557
2.56	up	ATAD5	16832852
2.57	up		17112184
2.58	up	DLGAP5	16793225
2.60	up	KIF23	16802519
2.63	up	KIF20B	16707221
2.63	up		16753458
2.63	up	MLF1IP	16982024
2.64	up	LMNB1	16988703
2.64	up	NUSAP1	16799793
2.64	up	BLID	16745503
2.65	up	LOC100129940	16753663
2.65	up	UBE2C	16914315
2.67	up	CDCA3	16760621
2.67	up	KCNQ5-IT1	17010273
2.68	up	LOC100288637 ARHGAP11B	16798812
2.70	up	CEP55	16707551
2.70	up	CENPE	16978568
2.70	up	ARHGAP11B LOC100288637	16798801
2.70	up	FANCD2	16937505
2.71	up	CDK1	16705159
2.71	up	SGOL1	16951485
2.72	up	LOC100131826	17118030
2.72	up		17013552

2.73	up	SPC24	16868838
2.73	up	MYBL2	16913957
2.73	up	AURKB	16840902
2.74	up	OIP5	16807605
2.75	up		17084413
2.76	up	ASAP1-IT1	17081215
2.78	up	KIF11	16707468
2.80	up	TOP2A	16844312
2.80	up	KIF2C	16663958
2.84	up	SKA1	16852312
2.85	up	NDC80	16850517
2.89	up	HJURP	16909700
2.90	up	CENPI	17105401
2.92	up	PBK	17075776
2.92	up	SPAG5 SGK494	16842673
2.93	up	BUB1	16901755
2.93	up	CENPK	16996722
2.95	up		16897662
2.95	up	KIF18A	16736891
2.96	up	SHCBP1	16826160
2.96	up	CDCA2	17067102
2.99	up	RPL23AP32	16880168
3.00	up	HELLS	16707695
3.01	up	HIST1H3G HIST1H3F HIST1H3B	17016403
3.02	up	IQGAP3	16694617
3.06	up	MMP3	16743735
3.06	up	C15orf42	16804631
3.07	up	MKI67	16719515
3.07	up	PLK4	16970563
3.08	up	DEPDC1	16688386
3.08	up	KIF15	16939960
3.09	up	SPC25	16904780
3.10	up		16716179
3.11	up	NUF2	16673154
3.14	up	CKAP2L	16901957
3.14	up	RAD54L	16664243
3.15	up	MIR644A	16912939
3.16	up	CASC5	16799598

3.18	up	TTK	17010552
3.20	up	HMMR	16991859
3.27	up	SNORD13P2	17043177
3.29	up	ASPM	16697544
3.36	up	POLQ	16957951
3.43	up	KIF14	16697695
3.43	up	HIST1H2AI HIST1H2AH HIST1H2AG	17005858
3.58	up		16959575
3.73	up	NCAPG	16965346
4.58	up		16798810
8.60	up	SNORA11 MAGED2	17104049

Primary fibroblasts

FC (abs) ([750] vs [0])	Regulation ([750] vs [0])	genesymbol	Transcripts Cluster Id
1.58	down	FAM167B	16662047
1.55	down		16679919
1.51	down	DHRS3	16681827
1.58	down	HSPB7	16682077
1.57	down	MARCKSL1	16684686
2.37	down	RN5S55	16691434
1.67	down	NUDT4P1	16692073
1.54	down	PLXDC2	16703036
1.56	down	ADRA2A	16709245
1.53	down	NANOS1	16709795
1.51	down	SCD	16717557
1.62	down	WNT11	16742340
1.57	down	MMP27	16743673
1.67	down	PDGFD	16743816
1.60	down		16749724
1.66	down	FAIM2	16764461
1.71	down		16773258
1.58	down		16777360
1.52	down		16795941
1.59	down		16797471
1.52	down	RNU5B-1	16802102
1.61	down		16804789
1.61	down	HAPLN3	16813029
1.55	down	MIR3180-4 MIR3180-5	16823041

1.64	down	MIR3180-4 MIR3180-5	16824191
1.66	down	MIR4519	16825907
1.65	down	CCL11	16833218
1.55	down	SYNGR2	16838330
1.58	down	NLRP1 LOC728392	16840318
1.52	down	FXYD1	16860902
1.61	down	ECH1	16861887
1.60	down	LOC100289396	16861890
1.50	down	GNG7	16866974
1.53	down	ZFP36	16872223
2.02	down	RN5S84	16877170
1.76	down	IGK@ IGKC	16900096
1.70	down	FLRT3	16917373
1.89	down	MIR130B	16927684
1.51	down	RPL23AP82	16931850
1.52	down	RN5S145	16947018
1.53	down		16956613
1.99	down		16968719
1.55	down	EGR1	16989736
1.50	down	CXCL14	17000168
1.78	down		17001147
1.62	down		17007658
1.90	down	RN5S203	17015604
1.83	down	HIST2H4B HIST4H4 HIST2H4A	17016406
1.59	down	IFITM4P	17016760
1.64	down	IER3	17017018
1.51	down	ULBP3	17024710
1.51	down	IER3	17028909
1.52	down	IFITM4P	17031434
1.51	down	IER3	17031687
1.57	down	HLA-L	17032957
1.51	down	IER3	17034143
1.59	down	IFITM4P	17036173
1.89	down		17041517
1.51	down	IER3	17041752
2.00	down		17043950
1.53	down		17046524
1.95	down	SNORA22	17046586

1.55	down	ARF5	17051079
1.54	down	RNU7-27P	17051157
1.59	down		17052538
1.87	down	TMEM176A	17053421
1.97	down	TRIL	17056246
2.53	down	TRBV5-6	17063779
1.66	down		17093059
1.76	down	GNA14	17095098
1.57	down	ECM2	17095899
3.18	down		17100659
1.59	down		17100671
3.15	down		17100685
1.73	down		17100701
1.52	down		17100856
1.55	down		17106509
1.65	down	PGAM4	17112334
1.75	down	TREX2	17115160
2.01	down	RN5S519	17116944

Table S1. List of genes up/ down regulated

Gene	Sequence 5' → 3'
<i>CDK1</i>	aaactacaggtcaagtggtagcc tcctgcataagcacatcctga
<i>CCNA2</i>	ctgcatttggtgtgaactac acaaactctgctacttctggg
<i>CCNB1</i>	ccagtgccagtgtctgagc tggagaggcagtatcaacca
<i>CCNB2</i>	cctccctttcagtcgc ctctgtgtcaatattctccaaatc
<i>IL-1alpha</i>	cgccaatgactcagaggaaga agggcgtcattcaggatgaa
<i>IL-1beta</i>	tggagcaacaagtgggt tgggatctacactctccagc
<i>Vimentin</i>	gacaatgcgtctctggcacgtct tccgcctcctgcaggttct
<i>18S rRNA</i>	cggctaccacatccaaggaa gctggaattaccgaggct
<i>LAMA3</i>	tgccatgtcctcactactaa cacgtctccccattcac
<i>Vinculin</i>	gtttgcaaaggaatttggaa tggccatcttagtcattcctg
<i>Fibronectin</i>	gaataagctgtaccatcgcaaa tgtaaccaccagtctcatgtgg

Table S2. Primer sequences used for RT-PCR.