Table 1 qPCR conditions

Gene	Primer sequence(5'→ 3')	Length	% GC	Tm	Probe number	Amplicon sequence	Amplicon size (bp)
ABCG1	L:acctttcctattcggttcctg	21	48	59	22	acctttcctattcggttcctgaaggaccctggtggaggaagaaaggatacaagaccct	102
	R:ccaccaactcaccactattgaac	23	48	60		cctgaaaggaatttccgggaagttcaatagtggtgagttggtgg	
ANXA1	L:cgatctgaggactttggtgtg	21	52	60	2	cgatctgaggactttggtgtgaatgaagacttggctgattcagatgccagggccttgta	96
	R:gtttacgtctgtccccttctc	22	50	59		tgaagcaggagaaaggagaaaggggacagacgtaaac	
ARAP1	L:cgtcacaccagtcatcaag	20	55	60	20	ccgtcacaccagtcatcaaggctggctggctggacaagaacccaccgcagggatct	86
	R:cagtctcacccatcgtttctg	21	63	61		tacatctatcagaaacgatgggtgagactg	
CASP1	L: ggggtacagcgtagatgtgaa	20	52	60	71	ggggtacagcgtagatgtgaaaaaaaatctcactgcttcggacatgactacagagct	101
	R: tgctgtcagaggtcttgtgc	21	55	60		ggaggcatttgcacaccgcccagagcacaagacctctgacagca	
CDKN1A/ P21	L: tgtcactgtcttgtacccttgtg	23	48	60	32	tgtcactgtcttgtacccttgtgcctcgctcaggggagcaggctgaagggtccccag	130
	R:cggcgtttggagtggtagaa	18	61	60		gtggacctggagactctcagggtcgaaaacggcggcagaccagcatgacagatttc taccactccaaacgccg	
CDKN1B/ P27	L:ctagagggcaagtacgagtgg	21	57	59	39	ctagagggcaagtacgagtggcaagaggtggagaagggcagcttgcccgagttct	71
	R:cgcgggggtctgtagtag	18	67	59		actacagacccccgcg	
DUSP2	L: tatccctgtggaggacaacc	20	55	59	22	tatccctgtggaggacaaccagatggtggagatcagtgcctggttccaggaggccat	74
	R: cccagtcaatgaagcctatg	20	50	59		aggcttcattgactggg	
FGR	L:atgggcggctactacatcac	20	55	59	17	atgggcggctactacatcaccacacgggttcagttcaactcggtgcaggagctggtg	87
	R:cagcccgtcattcacctc	18	61	60		cag cactacatggaggtgaatgacgggctg	
HK3	L:ggagcaccctcatttcctg	19	58	60	16	ggagcaccctcatttcctggaccaaaggttttaggtgcagtggtgtggaaggccagg	132
	R:cgttcaccacagcaaccac	19	58	61		atgtggtccagctgctgagagatgccattcggaggcagggggcctacaacatcgac gtggttgctgtggtgaacg	
IFIT3	L:ggaagaaaagcccaacaacc	20	50	60	82	ggaagaaaagcccaacaacccagaattctcctctggactggcaattgcgatgtacca	111
	R:atggcctgcttcaaaacatc	20	45	60		tctggataatcacccagagaaacagttctctactgatgttttgaagcaggccat	
ITGAM	L:agtccaacgctaatgtcaagg	21	61	60	56	agtccaacgctaatgtcaagggcacccagatcggcgcctacttcggggcctccctct	134
	R:tcgggtctgctcgtagtaatg	21	58	59		gctccgtggacgtggacagcaacggcagcaccgacctggtcctcatcggggcccc ccattactacgagcagacccga	
ITGB2	L:agctgtccccacaaaaagtg	20	50	60	27	agctgtccccacaaaaagtgacgctttacctgcgaccaggccaggcagcagcgttc	126
	R:tggagtaggagaggtccatcag	22	55	60		aacgtgaccttccggcgggccaagggctaccccatcgacctgtactatctgatggac ctctcctactcca	
PCDH9	L:caactctgatcccaactctgatg	23	48	61	42	caactctgatcccaactctgatgggcctttgggtccccgaggattagctgaagctaca	132

L- Left Primer; P- Right Primer

Table 2 Microarray and qPCR amplification results for all selected genes

Gene	Microarray		Real time PCR		
	Ratio	**p-value**	**Efficiency**	**Ratio**	**p-value**
CANDIDATE GENES					
ABCG1	0.89953	0.651542	1.87	0.4401	0.0035
ANXA1	3.03654	0.011278	1.91	5.2352	0.0006
ARAP1	1.11244	0.282171	1.97	1.0374	0.8292
CASP1	1.60045	0.192392	1.86	1.645	0.361
CDKN1A/P21	0.69691	0.400153	1.88	0.9769	0.6211
CDKN1B/P27	1.02726	0.914628	1.94	0.7651	0.2051
DUSP2	1.47675	0.244708	1.95	2.5671	0.0491
FGR	2.09322	0.010788	1.95	2.7872	0.0016
HK3	1.76225	0.009547	1.95	3.2621	0.0023
IFIT3	0.46521	0.023486	1.89	0.6264	0.2019
ITGAM	0.97398	0.670608	1.9	2.6967	0.0021
ITGB2	1.13037	0.023568	1.85	2.2365	0.001
PCDH9	0.53186	0.065784	1.98	0.1095	0.0009
RETN	1.91173	0.017567	1.91	2.6107	0.0317
RUNX1	1.0295	0.420854	1.91	0.1057	0.7429
SERPINA1	2.12165	0.013952	1.93	4.2209	0.0048
TCF7	2.16586	0.022896	2.1	1.8416	0.2831
WDR26	0.97378	0.835322	1.88	0.8691	0.3363
WNK1	1.22827	0.269586	1.92	1.1821	0.225
REFERENCE GENES					
TUBA1B	1.04492	0.717161	1.91	1	Nd
SDHA	0.90444	0.47172	1.93	1	Nd
GAPDH	1.05888	0.437404	1.91	1	Nd
ACTB	0.89159	0.521433	1.92	1	Nd