

**Table W1.** Primer Sequences and Product Size.

Primer Name	Sequence	Product Size (bp)
ANXA11-F	5'-cggcagcagatcctacttcc-3'	185
ANXA11-R	5'-atcaggcaggcttcacagt-3'	
HMOX1-F	5'-atgacaccaaggaccagagc-3'	153
HMOX1-R	5'-gtgtaaggacccatcggaga-3'	
TGFBI-F	5'-gtgtgtgtgtgtgcagaaggt-3'	172
TGFBI-R	5'-ttgagatggttagggctgct-3'	
LY6D-F	5'-cttctgcaagaccagaaca-3'	154
LY6D-R	5'-ctcattgacaggtcctcct-3'	
S100P-F	5'-taccaggctctgcagagt-3'	177
S100P-R	5'-ctccaggcatcattttagt-3'	
EIF4EBP2-F	5'-gttgggatggtctcagtt-3'	153
EIF4EBP2-R	5'-ctgtaattgggactctgggt-3'	
DHRS2-F	5'-gccctacatggagaacagga-3'	217
DHRS2-R	5'-accaatcctcaccatttgc-3'	
PCSK9-F	5'-accctcatagcctggagt-3'	188
PCSK9-R	5'-gagttagaggcaggcatcgtc-3'	
GAPDH-F	5'-ccaggctctttaaact-3'	186
GAPDH-R	5'-ctcgtcctggaagata-3'	

**Table W2.** Validation of DNA Microarray Data Using Real-time PCR.

Gene		R1/N1	R2/N2	R3/N3	R4/N4	N2/N1	N3/N1	N4/N1	R2/R1	R3/R1	R4/R1
<i>ANXA11</i>	Chip	-3.12	-3.55	-3.56	-3.52	+1.17	+1.12	+1.00	+1.03	-1.02	-1.15
	PCR	-3.16	-3.81	-3.26	-3.67	-1.05	-1.09	-1	-1.27	-1.13	-1.16
	P	<u>.0226</u>	<u>.004</u>	<u>.0159</u>	<u>.0139</u>	.4164	.3645	.5	.1776	.3221	.2891
<i>HMOX1</i>	Chip	+5.53	+4.64	+4.54	+5.13	+1.17	+1.12	-1.40	-1.02	-1.09	-1.33
	PCR	+6.28	+6.23	+6.34	+3.06	+1.12	-1.3	-1.09	+1.11	-1.28	-2.24
	P	<u>.0121</u>	<u>.0041</u>	<u>.0192</u>	<u>.0349</u>	.3403	.1998	.3963	.283	.189	<u>.0265</u>
<i>TGFBI</i>	Chip	+2.78	+3.04	+3.61	+3.34	-1.29	-1.36	-1.18	-1.18	-1.05	+1.01
	PCR	+2.6	+3.94	+3.72	+3.8	-1.86	-1.81	-1.54	-1.23	-1.26	-1.05
	P	<u>.0131</u>	<u>.0045</u>	<u>.0076</u>	<u>.0056</u>	<u>.0285</u>	<u>.0317</u>	.0553	.1355	.142	.3713
<i>LY6D</i>	Chip	+5.08	+5.20	+3.21	+2.83	-1.26	+1.47	+1.91	-1.23	-1.08	+1.07
	PCR	+5.31	+5.75	+3.22	+2.7	-1.67	+1.17	+1.57	-1.34	-1.23	-1.09
	P	<u>.032</u>	<u>.0047</u>	<u>.0089</u>	<u>.0134</u>	<u>.0486</u>	.1927	.0559	.0855	.1472	.3175
<i>S100P</i>	Chip	+2.35	+2.99	+3.22	+3.03	-1.48	-2.55	-2.09	-1.17	-1.86	-1.62
	PCR	+3.14	+3.1	+3.02	+2.83	-1.34	-2.24	-2.07	-1.36	-2.33	-2.29
	P	<u>.016</u>	<u>.0071</u>	<u>.0057</u>	<u>.0235</u>	.1242	<u>.0282</u>	<u>.0286</u>	.0603	<u>.0097</u>	<u>.0157</u>
<i>EIF4EBP2</i>	Chip	-2.48	-2.30	-2.17	-2.25	+1.14	+1.01	-1.06	+1.23	+1.16	+1.04
	PCR	-2.83	-2.17	-1.81	-1.72	+1.01	-1.22	-1.3	+1.31	+1.28	+1.27
	P	<u>.0041</u>	<u>.0041</u>	<u>.0296</u>	<u>.0318</u>	.4608	.1397	.0836	<u>.0259</u>	.0581	.1135
<i>DHRS2</i>	Chip	-1.67	-1.45	-1.03	+1.01	-1.37	-3.52	-5.41	-1.18	-2.17	-3.21
	PCR	-1.67	-1.34	-1.04	-1.3	-1.58	-5.55	-8.82	-1.27	-3.44	-6.87
	P	.0735	.0852	.4102	.0773	.0777	<u>.0068</u>	<u>.0089</u>	.1825	<u>.0398</u>	<u>.0103</u>
<i>PCSK9</i>	Chip	+1.64	+2.01	+1.22	+1.36	-1.99	+2.79	+3.74	-1.62	+2.07	+3.11
	PCR	-1.05	+1.36	+1	+1.34	-2.66	+2.17	+2.25	-1.87	+2.28	+3.16
	P	.3917	.0773	.4919	.0689	<u>.0139</u>	<u>.0223</u>	<u>.0179</u>	<u>.0242</u>	<u>.0118</u>	<u>.0065</u>

*P* values are shown for the real-time PCR assays. Differences with *P* < .05 were considered statistically significant (in boldface). *P* values with underline represent validated gene alterations in both chip and PCR platforms, but *P* values without underline represent statistically significant gene alterations only in PCR platform.