

Supplemental Table 4: Baseline and Post-treatment Gene Expression Measured by Reverse Transcriptase PCR.

Gene	GenBank ID	<sup>a</sup> Array Corr.		TAM-PREMENO		TAM-POSTMENO		PLAC-PREMENO		PLAC-POSTMENO	
		r	P-Value	<sup>b</sup> AVG NRQ	<sup>c</sup> P-Value	AVG NRQ	P-Value	AVG NRQ	P-Value	AVG NRQ	P-Value
<b><i>Transcriptional Regulation</i></b>											
ETV4	NM_001986	0.95	<0.0001	1.35/0.38	<b>0.001</b>	0.64/0.44	0.187	0.60/0.63	0.814	0.34/0.24	0.209
ETV5	NM_004454	0.75	<0.0001	1.33/0.96	<b>0.003</b>	1.04/1.10	0.852	0.98/1.05	0.557	0.87/0.70	0.286
DNAJC12	NM_201262	0.9	<0.0001	2.20/0.96	<b>0.006</b>	1.11/0.87	0.358	1.75/1.64	0.731	0.66/0.65	0.894
<b><i>Intracellular Vesicle Trafficking</i></b>											
RAB3B	NM_002867	0.38	0.0013	0.35/0.56	0.227	0.41/0.24	<b>0.028</b>	0.44/0.32	0.345	0.24/0.15	0.135
RAB35	NM_006861	0.29	0.016	0.95/1.14	<b>0.048</b>	1.14/1.34	0.448	1.13/1.14	0.89	1.21/1.17	0.75
RAB38	NM_022337	0.78	<0.0001	1.05/0.73	<b>0.013</b>	0.82/0.57	<b>0.003</b>	0.86/0.81	0.653	0.59/0.48	0.216
SYTL2	NM_206930	0.82	<0.0001	3.20/1.70	<b>0.022</b>	1.89/1.73	0.657	2.09/2.01	0.822	1.22/1.63	0.082
TBC1D9	NM_015130	0.39	0.0008	3.86/2.92	0.161	4.20/3.79	0.655	3.66/4.21	<b>0.014</b>	3.97/4.34	0.444
<b><i>Proteases and Protease Regulation</i></b>											
PLAT	NM_000930	0.83	<0.0001	3.68/1.85	<b>0.002</b>	2.09/1.84	0.545	3.31/3.13	0.751	1.71/3.02	0.218
SERPINA3	NM_002648	0.95	<0.0001	2.69/0.76	<b>0.019</b>	1.15/0.92	0.263	2.46/3.16	0.172	1.36/1.95	0.187
SERPINA5	NM_000624	0.91	<0.0001	2.14/0.54	<b>0.011</b>	1.00/0.89	0.775	1.62/2.18	0.067	0.53/0.61	0.669
SERPING1	NM_000062	0.73	<0.0001	5.46/7.62	<b>0.046</b>	6.16/6.71	0.538	5.37/7.19	0.15	10.80/10.32	0.833
DBC1	NM_014618	0.96	<0.0001	3.59/1.58	<b>0.001</b>	2.20/1.73	0.251	3.18/2.92	0.474	1.59/0.81	0.197
<b><i>Cell Signaling - Protein Kinases</i></b>											
TEK	NM_000459	0.76	<0.0001	1.56/2.58	<b>0.007</b>	2.50/2.97	0.262	2.37/3.13	0.217	3.84/3.64	0.748
PIM1	NM_002648	0.74	<0.0001	0.37/0.54	0.055	0.96/0.80	0.664	0.49/0.58	0.37	0.97/0.72	0.216
<b><i>Extracellular Matrix Synthesis</i></b>											
EXTL1	NM_004455	0.64	<0.0001	2.34/1.30	<b>0.001</b>	2.94/1.83	0.294	2.08/2.03	0.862	1.44/1.07	0.381
<b><i>Growth Factor Response</i></b>											
IGFBP2	NM_000597	0.78	<0.0001	1.46/0.60	<b>0.001</b>	1.19/1.16	0.927	1.27/1.52	0.35	1.11/0.72	0.222
<b><i>Epithelial-Mesenchymal Interaction</i></b>											
PTHLH	NM_198966	0.92	<0.0001	8.59/1.19	<b>0.003</b>	2.16/1.38	0.192	5.80/9.13	0.163	0.87/0.69	0.235

<sup>a</sup>Spearman correlation between microarray and RT-PCR results.

<sup>b</sup>Average Baseline/Average Post-treatment Normalized Relative Quantity for gene expression measured by RT-PCR.

<sup>c</sup>P-Value calculated by paired T-test

TAM is tamoxifen-treated

PLAC is placebo-treated