

Functional Gene Grouping	Gene	MCF7 Cells Gene Expression after CC with			
		Ob ⁻ Ab ⁻	Ob ⁻ Ab ⁺	Ob ⁺ Ab ⁻	Ob ⁺ Ab ⁺
Cell Cycle	CDKN2A	1.41	1.20	2.40	50.33*
	CCND2	1.41	1.27	2.40	1.77*
	PTEN	1.05	1.04	-1.07	-1.18*
Apoptosis	GSTP1	9.79	22.15	17.99	2475.21 ^{*,#}
	BAD	2.21*	2.01*	1.85*	1.33*
	SFRP1	1.40	1.23	2.45	56.75 [#]
Angiogenesis	SERPINE1	15.72*	33.81*	27.27*	4672.57 ^{*,#}
	IL6	3.47*	5.44*	7.01*	197.63 ^{*,#}
	CDH13	3.65*	4.02*	4.64*	24.70 ^{*,#}
	PLAU	1.99	2.12	3.40	47.07 [#]
	SLIT2	3.15	2.42	1.05	30.48 [#]
Signal Transduction					
<i>Hedgehog</i>	SNAI2	4.47*	11.26*	7.41*	1592.05 ^{*,#}
<i>Notch</i>	BIRC5	3.17*	3.36*	3.42*	1.84 ^{*,#}
<i>Steroid Receptor-Mediated</i>	PGR	4.15*	5.84*	12.72*	75.41 ^{*,#}
<i>Steroid Receptor-Mediated</i>	ESR1	3.97*	4.68*	16.87*	26.85 ^{*,#}
Glucocorticoid	IGFBP3	15.47*	32.51*	15.03*	2746.41 ^{*,#}
	NME1	2.86*	3.03*	3.12*	2.02*
Metastasis	MMP2	12.22*	24.35*	11.05*	2320.15 ^{*,#}
	MMP9	3.52*	3.59*	4.46*	1.77 ^{*,#}
	TWIST1	1.45	1.31	2.51	278.20 [#]
	PTGS2	1.34	1.15	2.30	81.38 [#]
Adhesion	THBS1	1.05	1.31	1.16	54.82*
	CSF1	1.99	2.12	1.01	42.71*
	ADAM23	1.42	1.33	1.27	7.50*
Xenobiotic Transport	ABCG2	12.56*	12.09*	29.09 ^{*,#}	12.70*

^a Data is shown as fold change relative to MCF7 cells without previous co-culture with ASCs.

^b * $P < 0.05$; # $P < 0.01$