

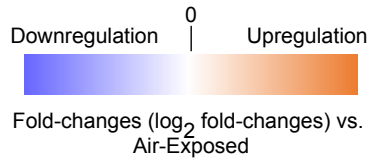
Supplementary Figure 2

Markers of Epithelial Characteristics

		8% CS						15% CS					
		4 h PE			48 h PE			4 h PE			48 h PE		
Gene Name	Gene Symbol	BR 8% CS 4 h	BRF 8% CS 4 h	sBR 8% CS 4 h	BR 8% CS 48 h	BRF 8% CS 48 h	sBR 8% CS 48 h	BR 15% CS 4 h	BRF 15% CS 4 h	sBR 15% CS 4 h	BR 15% CS 48 h	BRF 15% CS 48 h	sBR 15% CS 48 h
E-cadherin	CDH1	-0.142	-0.110	-0.138	0.105	0.067	-0.535	-0.172	-0.611	-0.444	0.431 *	-0.210	0.072
$\alpha 1$ (IV) Collagen	COL1A1	0.145	-0.180	0.027	0.402	-0.532	-0.990	0.583	0.376	1.120	1.486 *	0.276	-0.183
Desmoplakin	DSP	-0.185	0.033	-0.020	-0.071	-0.100	-0.396	0.243	-0.340	0.406	0.264	-0.114	0.006
Cytokeratin1	KRT1	-1.149	1.152	0.186	-0.973	0.284	-0.038	-0.784	-1.274	0.008	-1.165	0.159	0.252
Laminin-1	LAMB1	-0.140	0.086	-0.319	0.650	-0.377	-0.517	0.352	0.559	0.905	0.961 *	0.669	1.229 *
MUC1	MUC1	0.182	-0.209	0.015	-0.042	0.298	-0.416	0.416	-0.694	-0.312	-0.092	-0.782	-0.551
Entactin	NID1	0.272	-0.276	0.478	-0.288	0.107	-0.685	0.336	1.025	0.532	1.017 *	0.637 *	0.515
Syndecan-1	SDC1	-0.188	0.183	0.012	0.604	0.424	0.667	0.154	-0.706	0.336	0.676 *	0.698	1.017 *
ZO-1	TJP1	-0.124	0.383	-0.289	0.374	0.388	-0.275	0.271	-0.076	-0.539	0.849 *	0.812 *	0.846

Markers of Mesenchymal Characteristics

		8% CS						15% CS					
		4 h PE			48 h PE			4 h PE			48 h PE		
Gene Name	Gene Symbol	BR 8% CS 4 h	BRF 8% CS 4 h	sBR 8% CS 4 h	BR 8% CS 48 h	BRF 8% CS 48 h	sBR 8% CS 48 h	BR 15% CS 4 h	BRF 15% CS 4 h	sBR 15% CS 4 h	BR 15% CS 48 h	BRF 15% CS 48 h	sBR 15% CS 48 h
Alpha-SMA	ACTA2	-0.154	-0.867	0.010	0.676	-0.893	0.892	0.469	-0.144	1.052	0.991 *	0.357	0.394
OB-cadherin	CDH11	-0.668	-0.363	0.350	-0.225	-1.238	-0.660	-0.555	0.288	-1.376	0.726 *	0.486	1.087
N-cadherin	CDH2	-0.407	-0.455	0.118	-0.349	-1.361	-0.497	-0.861	-0.092	-0.163	-0.092	-0.609	-0.861
Beta-catenin	CTNNB1	-0.121	-0.302	-0.034	-0.429	-0.264	-0.395	-0.193	-0.323	-0.278	-0.219	-0.640	-0.636 *
ETS	ETS1	0.463	0.242	0.210	-0.501	-0.274	-1.138	-0.303	0.298	-0.272	1.359 *	1.247 *	1.295
Fibronectin	FN1	-0.830	0.278	0.071	-0.683	-0.713	-2.518	-0.365	-0.503	1.920	1.048	0.897	-1.019
FOXC2	FOXC2	-0.306	0.693	0.163	-0.717	-1.167	-0.513	0.271	0.402	-0.707	-1.156 *	0.694	-0.625
Goosecoid	GSC	-0.149	0.029	0.198	0.141	0.277	0.016	-0.263	0.068	0.014	0.040	0.287	-0.019
$\alpha 5\beta 1$ integrin	ITGA5	0.200	-0.035	-0.297	0.588	-0.047	0.108	-0.017	0.267	0.243	1.345 *	1.112 *	0.979
LEF-1	LEF1	-0.095	-0.764	0.066	0.716	0.222	-0.396	0.567	-0.492	-0.109	-0.940	-0.619	-0.900
FSP-1	S100A4	0.065	-0.219	0.437	-0.716	-0.357	-0.143	0.151	-0.017	0.383	-0.475	0.077	-0.261
Syndecan-2	SDC2	-0.175	-0.521	-0.079	0.255	-1.087	-0.965	-0.211	0.395	1.298	-0.470	-0.638	-0.897
Snail	SNAI1	1.286	0.743	0.609	-0.009	-0.104	0.560	1.231	1.522	0.607	1.109 *	1.317 *	1.268 *
Slug	SNAI2	0.662	0.320	-0.447	0.231	-0.393	-0.371	0.350	0.584	0.203	0.779 *	0.424	0.837
Twist	TWIST1	-0.489	-0.255	-0.093	0.182	0.150	-0.241	-0.716	0.332	0.364	-0.105	0.523	-0.250
Vimentin	VIM	-0.447	0.229	0.170	-0.247	-0.271	-0.733	-0.115	0.391	0.343	0.125	0.837 *	-0.474



* FDR \leq 0.05

The differentially expressed genes encoding the epithelial and mesenchymal characteristics were used to explore the manifestation of epithelial mesenchymal transition (EMT). They were selected based on a previous publication of (Kalluri, R., and Weinberg, R. A. (2009). The basics of epithelial-mesenchymal transition. The Journal of Clinical Investigation 119(6), 1420-1428).