

GO selection for differentially expressed genes after overexpression of ADAM23

GO ID	GO term	Count in OV cells	Percentage of counts in OV cells [%]	Count in all genes	Percentage of counts in all genes [%]	p value	Significance
GO:0044091	membrane biogenesis	5	6.76	31	0.15	1.62E-07	***
GO:2000505	regulation of energy homeostasis	2	2.70	14	0.07	0.0015	**
GO:0048870	cell motility	12	16.22	1167	5.79	0.0027	**
GO:0016049	cell growth	6	8.11	431	2.14	0.0087	**
GO:0030154	cell differentiation	23	31.08	3485	17.30	0.0100	**
GO:1901890	positive regulation of cell junction assembly	2	2.70	24	0.12	0.0044	**
GO:0051270	regulation of cellular component movement	12	16.22	667	3.31	1.55E-05	***
GO:0051495	positive regulation of cytoskeleton organization	5	6.76	166	0.82	0.0006	***

GO ID	GO term	Counts	Gene (Unterschiedlich exprimiert(+/-x-fach))																						
GO:0044091	membrane biogenesis	5 5 up	EMP2 + 1.51309	S100A10 + 1.80679	CAV1 + 1.83746	RFTN1 + 1.93914	ANXA2 + 2.00027																		
GO:2000505	regulation of energy homeostasis	2 2 up	METRNL + 1.53588	NR4A3 + 1.55553																					
GO:0048870	cell motility	12 12 up	TPM1 + 1.50349	EMP2 + 1.51309	DDR2 + 1.51641	CCBE1 + 1.52379	GJA1 + 1.53136	ANXA1 + 1.63411	CCDC39 + 1.651	CAV1 + 1.83746	PODN + 1.91218	PODXL + 1.94286	CTGF + 2.18002	CYR61 + 2.26759											
GO:0016049	cell growth	6 6 up	GJA1 + 1.53136	BCL6 + 1.54245	PSRC1 + 1.71253	EMP1 + 1.95968	CTGF + 2.18002	CYR61 + 2.26759																	
GO:0030154	cell differentiation	23 23 up	TPM1 + 1.50349	EMP2 + 1.51309	DDR2 + 1.51641	GJA1 + 1.53136	METRNL + 1.53588	BCL6 + 1.54245	FHL2 + 1.54545	NR4A3 + 1.55553	TAGLN + 1.58147	ESCO2 + 1.58997	ACTN1 + 1.62147	ANXA1 + 1.63411	SHROOM3 + 1.6817	CHODL + 1.7207	ALK + 1.73524	S100A10 + 1.80679	CAV1 + 1.83746	A2M + 1.91572	PODXL + 1.94286	ANXA2 + 2.00027	CTGF + 2.18002	CYR61 + 2.26759	ACTA2 + 3.29507
GO:1901890	positive regulation of cell junction assembly	2 2 up	S100A10 + 1.80679	CAV1 + 1.83746																					
GO:0051270	regulation of cellular component movement	12 12 up	TPM1 + 1.50349	EMP2 + 1.51309	DDR2 + 1.51641	CCBE1 + 1.52379	GJA1 + 1.53136	BCL6 + 1.54245	ACTN1 + 1.62147	CCDC39 + 1.651	CAV1 + 1.83746	PODN + 1.91218	PODXL + 1.94286	CYR61 + 2.26759											
GO:0051495	positive regulation of cytoskeleton organization	5 5 up	TPM1 + 1.50349	PSRC1 + 1.71253	S100A10 + 1.80679	CAV1 + 1.83746	CTGF + 2.18002																		