

MSC1 vs MSC2

Global Summary

%DE = 0.16

genes with fdr < 0.2 = 1846 (1002 + / 844 -)

genes with fdr < 0.1 = 1353 (812 + / 541 -)

genes with fdr < 0.05 = 1091 (692 + / 399 -)

genes with fdr < 0.01 = 694 (502 + / 192 -)

genes in genesets = 14839

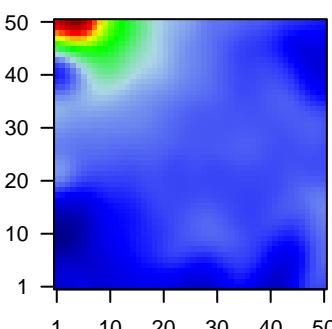
$\langle FC \rangle = 0$

$\langle \text{shrinkage-t} \rangle = 0$

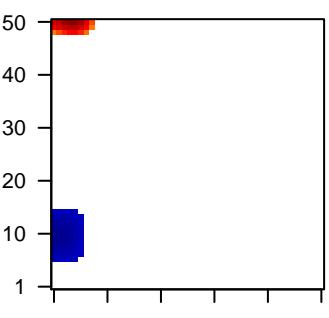
$\langle p\text{-value} \rangle = 0.1$

$\langle \text{fdr} \rangle = 0.84$

Profile



Regulated Spots

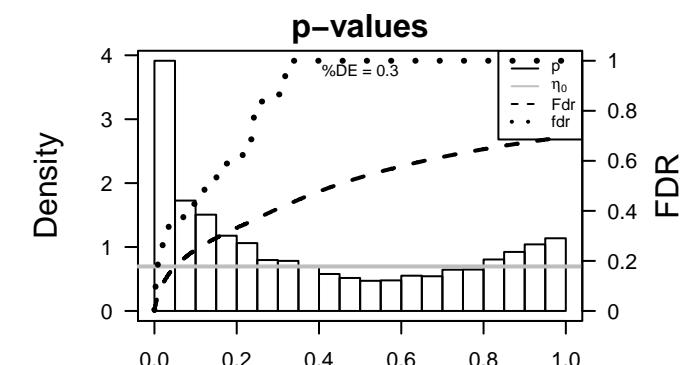
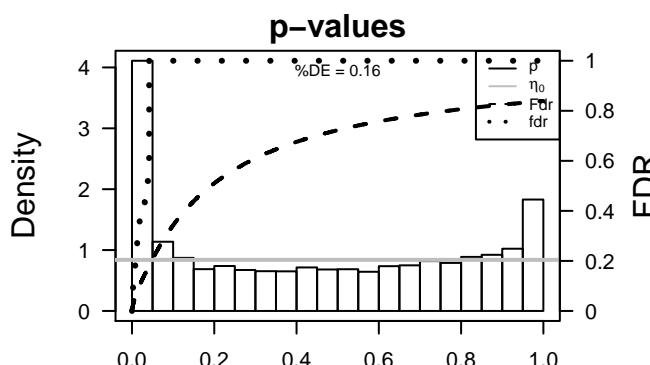


Global Genelist

Rank	ID	log(FC)	fdr	p-value	Description	Metagene
<i>Overexpressed</i>						
1	ACTL6A	1	2e-16	3e-14	4 x 50	actin-like 6A [Source:HGNC Symbol;Acc:HGNC:24124]
2	ANLN	1.04	2e-16	3e-14	5 x 50	anillin, actin binding protein [Source:HGNC Symbol;Acc:HGNC:24125]
3	ASF1B	1.5	2e-16	3e-14	4 x 50	anti-silencing function 1B histone chaperone [Source:HGNC Symbol;Acc:HGNC:24126]
4	ASPM	0.91	2e-16	3e-14	6 x 50	asp (abnormal spindle) homolog, microcephaly associated (Drosophila) [Source:HGNC Symbol;Acc:HGNC:24127]
5	ATAD2	0.78	2e-16	3e-14	2 x 50	ATPase family, AAA domain containing 2 [Source:HGNC Symbol;Acc:HGNC:24128]
6	AURKB	1	2e-16	3e-14	6 x 50	aurora kinase B [Source:HGNC Symbol;Acc:HGNC:11390]
7	BARD1	0.81	2e-16	3e-14	2 x 50	BRCA1 associated RING domain 1 [Source:HGNC Symbol;Acc:HGNC:11391]
8	BIRC5	0.89	2e-16	3e-14	6 x 50	baculoviral IAP repeat containing 5 [Source:HGNC Symbol;Acc:HGNC:11392]
9	BLM	0.77	2e-16	3e-14	4 x 50	Bloom syndrome, RecQ helicase-like [Source:HGNC Symbol;Acc:HGNC:11393]
10	BLMH	0.83	2e-16	3e-14	11 x 50	bleomycin hydrolase [Source:HGNC Symbol;Acc:HGNC:10584]
11	BRCA2	0.72	2e-16	3e-14	2 x 50	breast cancer 2, early onset [Source:HGNC Symbol;Acc:HGNC:11394]
12	BUB1	0.96	2e-16	3e-14	6 x 50	BUB1 mitotic checkpoint serine/threonine kinase [Source:HGNC Symbol;Acc:HGNC:11395]
13	BUB1B	1.19	2e-16	3e-14	6 x 50	BUB1 mitotic checkpoint serine/threonine kinase B [Source:HGNC Symbol;Acc:HGNC:11396]
14	CASC5	0.82	2e-16	3e-14	6 x 50	cancer susceptibility candidate 5 [Source:HGNC Symbol;Acc:HGNC:11397]
15	CCDC150	0.83	2e-16	3e-14	5 x 50	coiled-coil domain containing 150 [Source:HGNC Symbol;Acc:HGNC:11398]
16	CCNA2	0.81	2e-16	3e-14	6 x 50	cyclin A2 [Source:HGNC Symbol;Acc:HGNC:1578]
17	CCNB2	0.96	2e-16	3e-14	6 x 50	cyclin B2 [Source:HGNC Symbol;Acc:HGNC:1580]
18	CCNE2	0.87	2e-16	3e-14	2 x 50	cyclin E2 [Source:HGNC Symbol;Acc:HGNC:1590]
19	CDC20	1.02	2e-16	3e-14	6 x 50	cell division cycle 20 [Source:HGNC Symbol;Acc:HGNC:1725]
20	CDC45	0.86	2e-16	3e-14	1 x 50	cell division cycle 45 [Source:HGNC Symbol;Acc:HGNC:1735]

Global Geneset Analysis

Rank	GSZ	p-value	#all	Geneset
<i>Overexpressed</i>				
1	48.04	0	142	Glio WILLSCHER_GBM_Verhaak-CL_up (C)
2	46.18	0	550	GSEA C2GOBERT_OLIGODENDROCYTE_DIFFERENTIATION_UP
3	45.47	0	305	GSEA C2DUTTERE_ESTRADIOL_RESPONSE_24HR_UP
4	44.46	0	242	GSEA C2KOBAYASHI_EGFR_SIGNALING_24HR_DN
5	42.64	0	139	GSEA C2ROSTY_CERVICAL_CANCER_PROLIFERATION_CLUSTER
6	38.78	0	145	GSEA C2CHANG_CYCLING_GENES
7	37.47	0	16	Cancer SOTIROU_BREAST_CANCER_GRADE_1_VS_3_UP
8	37.26	0	197	HM HALLMARK_E2F_TARGETS
9	36.31	0	700	GSEA C2MARSON_BOUND_BY_E2F4_UNSTIMULATED
10	36.05	0	267	GSEA C2ZHANG_TLX_TARGETS_60HR_DN
11	35.42	0	1192	GSEA C2KINSEY_TARGETS_OF_EWSR1_FLII_FUSION_UP
12	35.28	0	93	GSEA C2KONG_E2F3_TARGETS
13	35.26	0	96	GSEA C2CROONQUIST_IL6_DEPRIVATION_DN
14	35	0	81	GSEA C2GRAHAM_NORMAL QUIESCENT_VS_NORMAL_DIVIDING_DN
15	34.48	0	124	GSEA C2ZHOU_CELL_CYCLE_GENES_IN_IR_RESPONSE_24HR
16	34.26	0	99	GSEA C2BURTON_ADIPONEGENESIS_3
17	34.23	0	54	GSEA C2KANG_DOXORUBICIN_RESISTANCE_UP
18	34.07	0	436	GSEA C2SHEDDEN_LUNG_CANCER_POOR_SURVIVAL_A6
19	33.62	0	110	GSEA C2WHITEFORD_PEDIATRIC_CANCER_MARKERS
20	33.62	0	155	GSEA C2HOFFMANN_LARGE_TO_SMALL_PRE_BII LYMPHOCYTE_UP
<i>Underexpressed</i>				
1	-7.26	2e-04	2984	CC integral component of membrane
2	-6.53	4e-04	3396	Lymphoma DOPP_Repressed
3	-6.39	5e-04	2798	Colon CaTEnhG1_Colon
4	-6.1	5e-04	3081	Brain Mid_Frontal_Lobe_ZNF
5	-5.7	9e-04	5155	Colon CaEnhWk1_Colon
6	-5.48	1e-03	1949	Brain Fetal_TssF
7	-5.38	1e-03	302	GSEA C2KINSEY_TARGETS_OF_EWSR1_FLII_FUSION_DN
8	-5.34	1e-03	2185	Brain Fetal_TssA
9	-5.29	1e-03	730	GSEA C2RODRIGUES_THYROID_CARCINOMA_Poorly_Differentiated
10	-5.27	1e-03	616	CC endosome
11	-5.2	1e-03	2142	Colon CaEnhPC_Colon
12	-5.12	1e-03	1889	Colon CaEnhPCWk_Colon
13	-5.11	1e-03	9653	Colon CaEnhF_Colon
14	-5.07	2e-03	695	MF transmembrane transporter activity
15	-5.05	2e-03	8	GSEA C2TURJANSKI_MAPK7_TARGETS
16	-5.02	2e-03	472	GSEA C2DUTTERE_ESTRADIOL_RESPONSE_24HR_DN
17	-4.97	2e-03	1907	Brain Fetal_TxTrans
18	-4.95	2e-03	3088	CC plasma membrane
19	-4.92	2e-03	2159	Colon CaEnhP_Colon
20	-4.84	2e-03	2698	Colon CaEnhA_Colon



MSC1 vs MSC2

Local Summary

%DE = 1
 # metagenes = 23
 # genes = 352
 # genes in genesets = 351
 # genes with fdr < 0.1 = 350 (350 + / 0 -)
 # genes with fdr < 0.05 = 350 (350 + / 0 -)
 # genes with fdr < 0.01 = 347 (347 + / 0 -)

$\langle r \rangle$ metagenes = 0.99

$\langle r \rangle$ genes = 0.87

$\langle FC \rangle$ = 0.63

$\langle \text{shrinkage-t} \rangle$ = 3.27

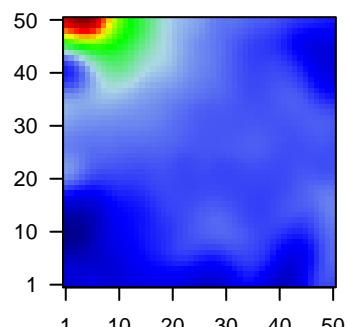
$\langle p\text{-value} \rangle$ = 0

$\langle \text{fdr} \rangle$ = 0.02

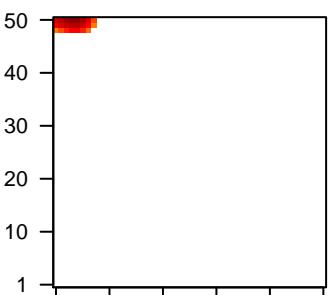
Local Genelist

Rank	ID	log(FC)	fdr	Description
		p-value		Metagene
1	ACTL6A	1	2e-16	3e-18
			4 x 50	actin-like 6A [Source:HGNC Symbol;Acc:HGNC:24124]
2	ANLN	1.04	2e-16	3e-18
			5 x 50	anillin, actin binding protein [Source:HGNC Symbol;Acc:HGNC:1580]
3	ASF1B	1.5	2e-16	3e-18
			4 x 50	anti-silencing function 1B histone chaperone [Source:HGNC Symbol:Acc:HGNC:1581]
4	ASPM	0.91	2e-16	3e-18
			6 x 50	asp (abnormal spindle) homolog, microcephaly associated (D)
5	ATAD2	0.78	2e-16	3e-18
			2 x 50	ATPase family, AAA domain containing 2 [Source:HGNC Symbol:Acc:HGNC:1582]
6	AURKB	1	2e-16	3e-18
			6 x 50	aurora kinase B [Source:HGNC Symbol;Acc:HGNC:11390]
7	BARD1	0.81	2e-16	3e-18
			2 x 50	BRCA1 associated RING domain 1 [Source:HGNC Symbol;Acc:HGNC:1583]
8	BIRC5	0.89	2e-16	3e-18
			6 x 50	baculoviral IAP repeat containing 5 [Source:HGNC Symbol;Acc:HGNC:1584]
9	BLM	0.77	2e-16	3e-18
			4 x 50	Bloom syndrome, RecQ helicase-like [Source:HGNC Symbol;Acc:HGNC:1585]
10	BRCA2	0.72	2e-16	3e-18
			2 x 50	breast cancer 2, early onset [Source:HGNC Symbol;Acc:HGNC:1586]
11	BUB1	0.96	2e-16	3e-18
			6 x 50	BUB1 mitotic checkpoint serine/threonine kinase [Source:HGNC Symbol:Acc:HGNC:1587]
12	BUB1B	1.19	2e-16	3e-18
			6 x 50	BUB1 mitotic checkpoint serine/threonine kinase B [Source:HGNC Symbol:Acc:HGNC:1588]
13	CASC5	0.82	2e-16	3e-18
			6 x 50	cancer susceptibility candidate 5 [Source:HGNC Symbol;Acc:HGNC:1589]
14	CCDC150	0.83	2e-16	3e-18
			5 x 50	coiled-coil domain containing 150 [Source:HGNC Symbol;Acc:HGNC:1590]
15	CCNA2	0.81	2e-16	3e-18
			6 x 50	cyclin A2 [Source:HGNC Symbol;Acc:HGNC:1578]
16	CCNB2	0.96	2e-16	3e-18
			6 x 50	cyclin B2 [Source:HGNC Symbol;Acc:HGNC:1580]
17	CCNE2	0.87	2e-16	3e-18
			2 x 50	cyclin E2 [Source:HGNC Symbol;Acc:HGNC:1590]
18	CDC20	1.02	2e-16	3e-18
			6 x 50	cell division cycle 20 [Source:HGNC Symbol;Acc:HGNC:1722]
19	CDC45	0.86	2e-16	3e-18
			1 x 50	cell division cycle 45 [Source:HGNC Symbol;Acc:HGNC:1735]
20	CDC6	1.19	2e-16	3e-18
			1 x 50	cell division cycle 6 [Source:HGNC Symbol;Acc:HGNC:1744]

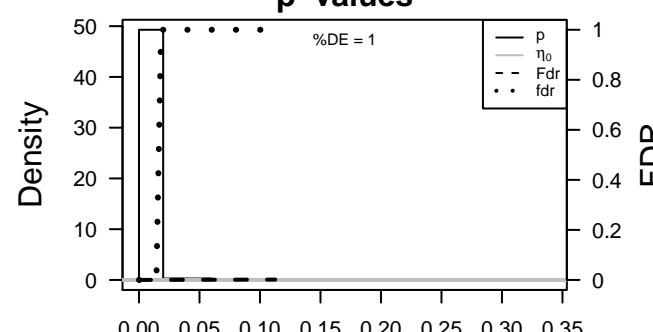
Profile



Spot



p-values



%DE = 1

metagenes = 23

genes = 352

genes in genesets = 351

genes with fdr < 0.1 = 350 (350 + / 0 -)

genes with fdr < 0.05 = 350 (350 + / 0 -)

genes with fdr < 0.01 = 347 (347 + / 0 -)

$\langle r \rangle$ metagenes = 0.99

$\langle r \rangle$ genes = 0.87

$\langle FC \rangle$ = 0.63

$\langle \text{shrinkage-t} \rangle$ = 3.27

$\langle p\text{-value} \rangle$ = 0

$\langle \text{fdr} \rangle$ = 0.02

MSC1 vs MSC2

Local Summary

%DE = 0.74
 # metagenes = 58
 # genes = 571
 # genes in genesets = 567
 # genes with fdr < 0.1 = 269 (4 + / 265 -)
 # genes with fdr < 0.05 = 222 (1 + / 221 -)
 # genes with fdr < 0.01 = 137 (1 + / 136 -)

<r> metagenes = 1

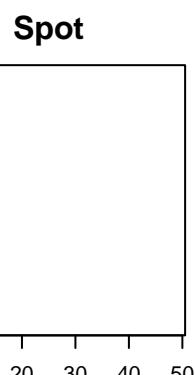
<r> genes = 0.7

<FC> = -0.17

<shrinkage-t> = -0.92

<p-value> = 0.01

<fdr> = 0.59



Local Genelist

Rank	ID	log(FC)	fdr	p-value	Description	Metagene
1	KLHL24	-0.72	2e-16	3e-14	1 x 11	kelch-like family member 24 [Source:HGNC Symbol;Acc:HGNC:28]
2	TMEM177	-0.67	5e-14	2e-09	3 x 10	transmembrane protein 177 [Source:HGNC Symbol;Acc:HGNC:11322]
3	SS18L1	-0.56	2e-11	2e-09	1 x 10	synovial sarcoma translocation gene on chromosome 18-like
4	FYCO1	-0.57	3e-11	7e-09	4 x 13	FYVE and coiled-coil domain containing 1 [Source:HGNC Symbol;Acc:HGNC:11322]
5	MEF2C	-0.52	8e-11	8e-09	5 x 15	myocyte enhancer factor 2C [Source:HGNC Symbol;Acc:HGNC:28]
6	MCF2	-0.59	1e-10	8e-09	5 x 10	MCF.2 cell line derived transforming sequence [Source:HGNC Symbol;Acc:HGNC:28]
7	MCF2L	-0.57	2e-10	3e-08	1 x 10	MCF.2 cell line derived transforming sequence-like [Source:HGNC Symbol;Acc:HGNC:28]
8	KRTAP19-1	-0.59	4e-10	8e-08	1 x 8	keratin associated protein 19-1 [Source:HGNC Symbol;Acc:HGNC:11322]
9	POPD2	-0.58	1e-09	8e-08	1 x 9	popeye domain containing 2 [Source:HGNC Symbol;Acc:HGNC:28]
10	GREB1	-0.52	1e-09	2e-07	1 x 9	growth regulation by estrogen in breast cancer 1 [Source:HGNC Symbol;Acc:HGNC:28]
11	CCDC171	-0.43	3e-09	4e-07	1 x 11	coiled-coil domain containing 171 [Source:HGNC Symbol;Acc:HGNC:28]
12	MYC	-0.48	5e-09	4e-06	5 x 15	v-myc avian myelocytomatosis viral oncogene homolog [Source:HGNC Symbol;Acc:HGNC:28]
13	SLC9A1	-0.48	5e-08	4e-06	3 x 10	solute carrier family 9, subfamily A (NHE1, cation proton antiporter 1) [Source:HGNC Symbol;Acc:HGNC:28]
14	ZNF559	-0.52	7e-08	4e-06	3 x 15	zinc finger protein 559 [Source:HGNC Symbol;Acc:HGNC:28]
15	MVB12A	-0.46	9e-08	5e-06	1 x 6	multivesicular body subunit 12A [Source:HGNC Symbol;Acc:HGNC:28]
16	SSPN	-0.47	1e-07	5e-06	4 x 13	sarcospan [Source:HGNC Symbol;Acc:HGNC:11322]
17	SNAI2	-0.43	2e-07	6e-06	1 x 11	snail family zinc finger 2 [Source:HGNC Symbol;Acc:HGNC:11322]
18	PDE3A	-0.45	2e-07	6e-06	2 x 12	phosphodiesterase 3A, cGMP-inhibited [Source:HGNC Symbol;Acc:HGNC:28]
19	FOS	-0.37	2e-07	6e-06	4 x 7	FBJ murine osteosarcoma viral oncogene homolog [Source:HGNC Symbol;Acc:HGNC:28]
20	HSPB8	-0.39	3e-07	6e-06	1 x 11	heat shock 22kDa protein 8 [Source:HGNC Symbol;Acc:HGNC:28]

