

## Supplemental Table 2: Cluster one defining genes

Gene	P-value	Status
MIF	1.95206E-45	upregulated
MORC3	1.4607E-44	upregulated
NT5E	1.66218E-40	upregulated
CTNNB1	5.47142E-40	upregulated
SOD1	2.28116E-38	upregulated
CD63	1.76208E-35	upregulated
ADAM10	2.33848E-34	upregulated
CD320	4.18101E-32	upregulated
Rap1A	6.93382E-31	upregulated
PDGFRB	1.80801E-30	upregulated
TGFB1	2.18193E-30	upregulated
ITGA5	8.81141E-28	upregulated
TP53	3.01611E-27	upregulated
FAS	2.12521E-25	upregulated
B2M	3.2929E-25	upregulated
CD99	1.98944E-23	upregulated
CFLAR	1.36771E-20	upregulated
CD68	2.62381E-20	upregulated
CD81	5.03486E-20	upregulated
PDGFA	1.03635E-18	upregulated
PDCD4	3.27555E-17	upregulated
SOD2	5.23269E-16	upregulated
CCND1	1.03041E-15	upregulated
VEGFA	3.11367E-15	upregulated
SIRT1	8.1859E-14	upregulated
FOXM1	8.61078E-11	upregulated
PLAUR	4.81397E-10	upregulated

Gene	P-value	Status
TLR4	6.8748E-10	upregulated
BCL2L1	9.13531E-10	upregulated
CXCL12	1.88006E-09	upregulated
PVRL1	5.26804E-09	upregulated
TBX2	9.4677E-09	upregulated
TBX3	2.27421E-08	upregulated
ERBB2	2.62096E-08	upregulated
ACTB	2.85201E-08	upregulated
ANGPT1	3.30088E-08	upregulated
WRN	6.85011E-07	upregulated
ANGPT2	7.87546E-07	upregulated
ITGB3	1.00952E-06	upregulated
NPM1	1.57272E-06	upregulated
GATA6	1.89401E-06	upregulated
SOD3	2.04331E-06	upregulated
PCNA	0.00011182	upregulated
PGF	0.000139334	upregulated
CCL2	0.000175851	upregulated
FGFR2	0.00134206	downregulated
IL6R	0.002082374	upregulated
MEF2C	0.005215559	upregulated
NGFR	0.013336497	upregulated
PTN	0.019815243	upregulated
BST2	0.023135206	upregulated
HBEGF	0.023914456	upregulated