

# Supplemental Information: Inflammatory licensed hMSCs exhibit enhanced immunomodulatory capacity in a biomaterial mediated manner

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## TABLES

**Supp. Table 1.** NanoString panel gene list.

<b>Customer Name</b>	<b>HUGO Gene</b>	<b>Probe NSID</b>
ALPL	ALPL	NM_000478.3:2065
ANGPT1	ANGPT1	NM_001146.3:2080
BGLAP	BGLAP	NM_199173.4:44
BMP2	BMP2	NM_001200.2:1515
BMP7	BMP7	NM_001719.1:525
CCL2	CCL2	NM_002982.3:123
CCL7	CCL7	NM_006273.2:120
COL1A2	COL1A2	NM_000089.3:2635
MCSF	CSF1	NM_000757.4:823
IL8	CXCL8	NM_000584.2:25

FGFR2	FGFR2	NM_000141.4:2204
GAPDH	GAPDH	NM_001256799.1:386
GUSB	GUSB	NM_000181.3:1899
HGF	HGF	NM_000601.4:550
IDO1	IDO1	NM_002164.5:369
IGF2	IGF2	NM_000612.4:765
IHH	IHH	NM_002181.2:1693
IL10	IL10	NM_000572.2:622
IL1RN	IL1RN	NM_000577.3:480
IL6	IL6	NM_000600.3:364
GAL9	LGALS9	NM_002308.3:359
MMP9	MMP9	NM_004994.2:1530
OAZ1	OAZ1	NM_004152.2:313
PTGS2	PTGS2	NM_000963.1:495
RUNX2	RUNX2	NM_004348.3:1850
SEMA3A	SEMA3A	NM_006080.1:585
SMAD5	SMAD5	NM_005903.5:1044
SOX9	SOX9	NM_000346.2:2135
SP7	SP7	NM_001173467.1:1510
OPN	SPP1	NM_000582.2:760
TSG6	TNFAIP6	NM_007115.2:250

TNFRSF11A	TNFRSF11A	NM_003839.3:226
TNFRSF11B	TNFRSF11B	NM_002546.2:1075
TNFSF11	TNFSF11	NM_003701.2:490
VEGFA	VEGFA	NM_001025366.1:1325
VEGFB	VEGFB	NM_003377.3:687
WNT16	WNT16	NM_057168.1:1621
WNT5a	WNT5A	NM_003392.3:475

**Supp. Table 2:** Day 0 licensed MSC log<sub>2</sub> average gene expression normalized to day 0 basal

MSC and expressed as a fold change (n=3). Blue is lowest and red is highest value.

	Licensed MSCs
	Day 0

	ALPL	0.56
	BGLAP	-1.33
	BMP2	3.36
	BMP7	0.01
	COL1A2	-0.71
	FGFR2	0.66
	IGF2	-0.72
	IHH	0.47
	MMP9	2.37
	OPN	1.94
	RUNX2	-0.32
	SEMA3A	0.61
	SMAD5	-0.77
	SOX9	-0.54
	SP7	0.55
	TNFSF11	1.08
	TNFRSF11B	0.17
	WNT16	-0.85
	WNT5a	1.57
Immu	CCL2	9.91

nomodulatory	CCL7	1.28
	GAL9	9.86
	HGF	1.00
	IDO1	10.01
	IL8	6.55
	IL10	1.11
	IL1RN	3.17
	IL6	5.23
	MCSF	4.01
	PTGS2	3.24
	TNFRSF11A	1.46
	TSG6	8.14
Angiogenic	ANGPT1	-0.35
	VEGFA	-0.35
	VEGFB	-0.45
Housekeeping	GAPDH	-0.02
	GUSB	-0.19
	OAZ1	-0.05

Data Repository: [https://data.mendeley.com/datasets/th97vx97sy/draft?a=3797cdda-](https://data.mendeley.com/datasets/th97vx97sy/draft?a=3797cdda-634b-4b6d-a828-e46fc327254a)

[634b-4b6d-a828-e46fc327254a](https://data.mendeley.com/datasets/th97vx97sy/draft?a=3797cdda-634b-4b6d-a828-e46fc327254a)

