

Supplemental Table 1. Comparison of cytokine levels in tissue homogenates of quadriceps from weight-bearing controls (Control) versus hindlimb suspension (HLS) groups. Total protein was pooled at equal ratios for n=5 Control and n=6 HLS animals.

Data are mean signal density relative to the average reference spot density normalized to Control. Green and pink highlight indicates $\geq 25\%$ increase or decrease, respectively, compared to Controls.

	Analyte	Control	HLS
A3, A4	Adiponectin/Acrp30	1	0.96
A5, A6	CCL2/JE/MCP-1	1	1.18
A7, A8	CCL3/CCL4/MIP-1 α / β	1	1.11
A9, A10	CCL5/RANTES	1	1.00
A11, A12	CCL11/Eotaxin	1	0.98
A13, A14	CCL17/TARC	1	1.05
A15, A16	CCL20/MIP-3 α	1	0.90
A17, A18	CCL21/6CKine	1	1.19
A19, A20	CCL22/MDC	1	1.69
A21, A22	Clusterin	1	1.04
B3, B4	CNTF	1	1.69
B5, B6	CX3CL1/Fractalkine	1	1.25
B7, B8	CXCL2/GRO β /MIP-2/CINC-3	1	0.97
B9, B10	CXCL7/Thymus Chemokine-1	1	0.66
B11, B12	Cyr61/CCN1	1	1.11
B13, B14	Cystatin C	1	1.13
B15, B16	DPPIV/CD26	1	0.87
B17, B18	EGF	1	0.90
B19, B20	EG-VEGF/PK1	1	1.24
B21, B22	Endostatin	1	0.85
C3, C4	Fetuin A/AHSG	1	0.91
C5, C6	FGF acidic	1	1.06
C7, C8	FGF-7/KGF	1	1.29
C9, C10	FGF-21	1	1.07
C11, C12	Fibulin 3	1	1.11
C13, C14	Flt-3 Ligand	1	1.07
C15, C16	Galectin-1	1	1.06
C17, C18	Galectin-3	1	1.25
C19, C20	G-CSF	1	1.07
C21, C22	GDF-15	1	0.87
D1, D2	GM-CSF	1	0.77
D3, D4	Hepassocin	1	0.73
D5, D6	HGF	1	0.59
D7, D8	ICAM-1/CD54	1	0.76
D9, D10	IFN- γ	1	1.18
D11, D12	IGF-I	1	0.64
D13, D14	IGFBP-2	1	1.18
D15, D16	IGFBP-3	1	0.85

D17, D18	IGFBP-5	1	1.17
D19, D20	IGFBP-6	1	1.19
D21, D22	IL-1 α /IL-1F1	1	0.69
D23, D24	IL-1 β /IL-1F2	1	1.03
E1, E2	IL-1ra/IL-1F3	1	0.99
E3, E4	IL-2	1	0.73
E5, E6	IL-3	1	0.76
E7, E8	IL-4	1	0.95
E9, E10	IL-6	1	1.27
E11, E12	IL-13	1	1.36
E13, E14	IL-17A	1	1.15
E15, E16	IL-22	1	0.99
E17, E18	Jagged 1	1	1.14
E19, E20	LIF	1	0.93
E21, E22	Lipocalin-2/NGAL	1	0.66
E23, E24	LIX	1	1.12
F1, F2	MAG/Siglec-4a	1	1.03
F3, F4	MMP-2	1	1.01
F5, F6	MMP-3	1	1.28
F7, F8	MMP-9	1	1.24
F9, F10	Neprilysin/CD10	1	1.32
F11, F12	NOV/CCN3	1	1.01
F13, F14	NT-3	1	1.03
F15, F16	NT-4	1	0.85
F17, F18	Osteopontin (OPN)	1	1.00
F19, F20	Osteoprotegerin/TNFRSF11B	1	1.02
F21, F22	PDGF-BB	1	0.76
F23, F24	Pref-1/DLK1/FA1	1	1.09
G1, G2	Prolactin	1	0.80
G3, G4	RAGE	1	1.00
G5, G6	RBP4	1	1.04
G7, G8	Resistin	1	1.26
G9, G10	RGM-A	1	1.56
G11, G12	SCF	1	1.32
G13, G14	Serpin E1/PAI-1	1	1.19
G15, G16	TIM-1/KIM-1/HAVCR	1	1.06
G17, G18	TNF- α	1	0.90
G19, G20	TWEAK/TNFSF12	1	0.98
G21, G22	VCAM-1/CD106	1	0.74
G23, G24	VEGF	1	0.73
H5, H6	WISP-1/CCN4	1	1.35