

Supplemental Table 2. Comparison of cytokine levels in sera from weight-bearing controls (Control) versus hindlimb suspension (HLS) groups. Total protein was pooled at equal ratios for n=5 Control and n=7 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	1.15
A5, A6	CCL2/IE/MCP-1	1	1.05
A7, A8	CCL3/CCL4/MIP-1 α / β	1	1.01
A9, A10	CCL5/RANTES	1	2.07
A11, A12	CCL11/Eotaxin	1	2.15
A13, A14	CCL17/TARC	1	0.92
A15, A16	CCL20/MIP-3 α	1	0.74
A17, A18	CCL21/6Ckine	1	1.03
A19, A20	CCL22/MDC	1	0.92
A21, A22	Clusterin	1	0.93
B3, B4	CNTF	1	1.68
B5, B6	CX3CL1/Fractalkine	1	1.79
B7, B8	CXCL2/GRO β /MIP-2/CINC-3	1	1.34
B9, B10	CXCL7/Thymus Chemokine-1	1	1.43
B11, B12	Cyr61/CCN1	1	2.56
B13, B14	Cystatin C	1	0.90
B15, B16	DPPIV/CD26	1	0.85
B17, B18	EGF	1	1.09
B19, B20	EG-VEGF/PK1	1	1.07
B21, B22	Endostatin	1	0.88
C3, C4	Fetuin A/AHSG	1	1.24
C5, C6	FGF acidic	1	1.96
C7, C8	FGF-7/KGF	1	0.94
C9, C10	FGF-21	1	1.24
C11, C12	Fibulin 3	1	1.40
C13, C14	Flt-3 Ligand	1	0.85
C15, C16	Galectin-1	1	1.21
C17, C18	Galectin-3	1	1.64
C19, C20	G-CSF	1	1.66
C21, C22	GDF-15	1	0.95
D1, D2	GM-CSF	1	0.95
D3, D4	Hepassocin	1	1.04
D5, D6	HGF	1	1.40
D7, D8	ICAM-1/CD54	1	1.19
D9, D10	IFN- γ	1	0.83
D11, D12	IGF-I	1	1.08
D13, D14	IGFBP-2	1	1.26

D15, D16	IGFBP-3	1	1.32
D17, D18	IGFBP-5	1	0.56
D19, D20	IGFBP-6	1	0.66
D21, D22	IL-1 α /IL-1F1	1	1.13
D23, D24	IL-1 β /IL-1F2	1	1.12
E1, E2	IL-1ra/IL-1F3	1	1.53
E3, E4	IL-2	1	1.26
E5, E6	IL-3	1	1.01
E7, E8	IL-4	1	1.10
E9, E10	IL-6	1	1.29
E11, E12	IL-13	1	1.58
E13, E14	IL-17A	1	1.41
E15, E16	IL-22	1	1.46
E17, E18	Jagged 1	1	0.68
E19, E20	LIF	1	0.72
E21, E22	Lipocalin-2/NGAL	1	0.87
E23, E24	LIX	1	1.21
F1, F2	MAG/Siglec-4a	1	0.77
F3, F4	MMP-2	1	1.04
F5, F6	MMP-3	1	1.39
F7, F8	MMP-9	1	0.73
F9, F10	Neprilysin/CD10	1	0.87
F11, F12	NOV/CCN3	1	1.07
F13, F14	NT-3	1	1.43
F15, F16	NT-4	1	1.52
F17, F18	Osteopontin (OPN)	1	0.68
F19, F20	Osteoprotegerin/TNFRSF11B	1	0.88
F21, F22	PDGF-BB	1	1.24
F23, F24	Pref-1/DLK1/FA1	1	0.92
G1, G2	Prolactin	1	0.87
G3, G4	RAGE	1	0.86
G5, G6	RBP4	1	1.04
G7, G8	Resistin	1	0.92
G9, G10	RGM-A	1	1.53
G11, G12	SCF	1	1.17
G13, G14	Serpin E1/PAI-1	1	1.63
G15, G16	TIM-1/KIM-1/HAVCR	1	1.35
G17, G18	TNF- α	1	0.73
G19, G20	TWEAK/TNFSF12	1	0.81
G21, G22	VCAM-1/CD106	1	0.94
G23, G24	VEGF	1	0.87
H5, H6	WISP-1/CCN4	1	0.76