

Supplemental Table 4. Comparison of cytokine levels in sera from animals subjected to hindlimb suspension then eight days of re-ambulation (Re-A) or re-ambulation plus instrument-assisted soft tissue manipulation (Re-A+IASTM). Total protein was pooled at equal ratios for n=7 Re-A and n=8 Re-A+IASTM animals. Data are mean signal density relative to the average reference spot density normalized to Re-A.

Green and pink highlight indicates $\geq 25\%$ increase or decrease, respectively, compared to Re-A.

	Analyte	ReA	ReA+IASTM
A3, A4	Adiponectin/Acrp30	1	1.21
A5, A6	CCL2/JE/MCP-1	1	1.87
A7, A8	CCL3/CCL4/MIP-1 α / β	1	1.59
A9, A10	CCL5/RANTES	1	1.36
A11, A12	CCL11/Eotaxin	1	1.11
A13, A14	CCL17/TARC	1	2.09
A15, A16	CCL20/MIP-3 α	1	1.40
A17, A18	CCL21/6Ckine	1	2.17
A19, A20	CCL22/MDC	1	2.05
A21, A22	Clusterin	1	1.25
B3, B4	CNTF	1	1.36
B5, B6	CX3CL1/Fractalkine	1	1.40
B7, B8	CXCL2/GRO β /MIP-2/CINC-3	1	2.78
B9, B10	CXCL7/Thymus Chemokine-1	1	1.38
B11, B12	Cyr61/CCN1	1	1.15
B13, B14	Cystatin C	1	1.42
B15, B16	DPPIV/CD26	1	1.45
B17, B18	EGF	1	1.93
B19, B20	EG-VEGF/PK1	1	1.61
B21, B22	Endostatin	1	1.19
C3, C4	Fetuin A/AHSG	1	0.96
C5, C6	FGF acidic	1	2.00
C7, C8	FGF-7/KGF	1	2.09
C9, C10	FGF-21	1	1.34
C11, C12	Fibulin 3	1	1.46
C13, C14	Flt-3 Ligand	1	1.30
C15, C16	Galectin-1	1	2.65
C17, C18	Galectin-3	1	2.63
C19, C20	G-CSF	1	2.01
C21, C22	GDF-15	1	0.93
D1, D2	GM-CSF	1	0.99
D3, D4	Hepassocin	1	1.31
D5, D6	HGF	1	1.41
D7, D8	ICAM-1/CD54	1	1.60
D9, D10	IFN- γ	1	1.52
D11, D12	IGF-I	1	1.46
D13, D14	IGFBP-2	1	1.14
D15, D16	IGFBP-3	1	1.05

D17, D18	IGFBP-5	1	1.97
D19, D20	IGFBP-6	1	1.71
D21, D22	IL-1 α /IL-1F1	1	1.22
D23, D24	IL-1 β /IL-1F2	1	1.14
E1, E2	IL-1ra/IL-1F3	1	1.00
E3, E4	IL-2	1	1.02
E5, E6	IL-3	1	1.44
E7, E8	IL-4	1	1.04
E9, E10	IL-6	1	1.24
E11, E12	IL-13	1	2.46
E13, E14	IL-17A	1	1.35
E15, E16	IL-22	1	1.21
E17, E18	Jagged 1	1	1.71
E19, E20	LIF	1	1.48
E21, E22	Lipocalin-2/NGAL	1	1.24
E23, E24	LIX	1	1.15
F1, F2	MAG/Siglec-4a	1	1.13
F3, F4	MMP-2	1	1.13
F5, F6	MMP-3	1	1.26
F7, F8	MMP-9	1	1.83
F9, F10	Neprilysin/CD10	1	1.84
F11, F12	NOV/CCN3	1	1.40
F13, F14	NT-3	1	0.91
F15, F16	NT-4	1	1.12
F17, F18	Osteopontin (OPN)	1	1.82
F19, F20	Osteoprotegerin/TNFRSF11B	1	1.71
F21, F22	PDGF-BB	1	2.48
F23, F24	Pref-1/DLK1/FA1	1	1.17
G1, G2	Prolactin	1	0.57
G3, G4	RAGE	1	2.09
G5, G6	RBP4	1	1.38
G7, G8	Resistin	1	1.41
G9, G10	RGM-A	1	1.62
G11, G12	SCF	1	1.81
G13, G14	Serpin E1/PAI-1	1	1.10
G15, G16	TIM-1/KIM-1/HAVCR	1	0.99
G17, G18	TNF- α	1	1.82
G19, G20	TWEAK/TNFSF12	1	1.82
G21, G22	VCAM-1/CD106	1	1.30
G23, G24	VEGF	1	1.05
H5, H6	WISP-1/CCN4	1	1.13