



Supplementary Fig. S1. Correlation heat map showing the correlations between cytokines as well as correlations between cytokines and clinical outcome measures.

HAQ: Health Assessment Questionnaire; PTGD: patient global disease activity; CUTNA: cutaneous disease activity; PULMA: pulmonary disease activity; EXGDA: extra-muscular global disease activity, MUSCA: muscular disease activity; MDGD: physician global disease activity; CK: creatine kinase.

Supplementary Table S1. Correlations between clinical outcome measures and cytokines.

	Health Assessment Questionnaire	Manual Muscle Testing	Patient Global Disease A ^a activity	Cutaneous Disease Activity	Extra-muscular Global Disease Activity	Muscle Disease Activity	Physician Global Disease Activity	Creatine Kinase
CCL5	0.02	0.41*	0.00	0.07	-0.23	0.27	0.09	0.35
IGFBP2	0.27	-0.21	-0.14	-0.17	0.02	0.31	0.16	0.10
Coagulation Factor XIV/ Protein C	0.20	-0.44*	0.14	-0.26	0.21	0.03	-0.05	-0.22
MMP9	0.19	-0.11	0.17	0.00	0.15	0.07	0.01	-0.12
CD23	0.37	-0.24	0.22	-0.21	-0.20	0.25	-0.06	0.29
MMP-7	-0.01	0.43*	-0.07	0.12	0.22	-0.23	0.04	-0.18
Leptin	-0.36	0.20	-0.18	-0.03	-0.09	-0.53*	-0.25	-0.21
Angiopoietin-2	0.20	0.14	0.15	0.14	0.23	0.38	0.35	0.45*
CD25	0.20	0.04	0.10	0.24	0.40*	0.13	0.31	0.08
Insulin	0.12	0.22	0.33	0.12	0.17	0.08	0.27	-0.06
MMP3	0.26	-0.07	-0.07	0.28	0.54*	0.20	0.31	-0.27
Progranulin	-0.02	0.17	0.17	0.38	0.28	-0.06	-0.02	0.13
BAFF	0.03	0.31	0.18	0.27	0.41*	0.14	0.39	0.26
CXCL9	0.28	-0.04	0.01	0.25	0.61*	0.19	0.44*	-0.20
Lymphotoxin-a	0.31	-0.05	0.00	0.24	0.45*	0.20	0.35	-0.14
IL18	0.22	0.18	0.09	0.38	0.37	-0.17	0.03	-0.30
MMP12	-0.07	0.02	-0.31	0.07	0.34	0.02	0.04	0.03
Resistin	0.35	-0.43*	0.35	-0.01	0.04	0.10	0.29	-0.37
Angiotensinogen	0.00	-0.16	0.18	-0.07	0.22	-0.19	0.15	-0.13
Eotaxin	0.06	-0.14	0.00	0.27	0.16	0.14	0.11	-0.16
TGF-a	0.10	-0.14	-0.04	-0.25	-0.18	0.19	-0.04	0.28
IFNA-2	0.11	0.01	0.05	-0.12	-0.06	0.22	0.24	0.21
MCP-3	-0.25	0.09	-0.31	0.10	-0.14	-0.23	0.10	-0.17
IL-12	0.19	0.03	0.23	-0.01	0.03	0.30	0.24	0.37
MDC	-0.33	0.45	-0.09	-0.11	-0.30	-0.24	-0.27	0.21
IL-1ra	0.22	0.12	0.28	0.21	0.10	0.19	0.33	0.16
IL-1a	-0.32	0.12	-0.23	0.21	-0.01	-0.37	0.02	-0.15
IL-3	-0.17	-0.55*	-0.18	-0.33	-0.35	-0.13	-0.16	0.07
MCP-1	0.16	0.13	0.14	0.27	0.04	0.34	0.35	0.39
TNF-b	0.00	0.10	-0.18	0.08	-0.07	-0.10	0.22	-0.14
IL-15	-0.22	-0.21	-0.15	-0.08	-0.23	0.05	0.09	0.05
IL-9	0.08	-0.05	-0.01	0.07	0.03	-0.02	0.32	-0.15
IP-10	-0.09	0.35	0.08	0.44	0.23	0.03	0.31	0.25
IL-2	0.03	0.22	0.08	-0.41	-0.32	0.32	0.12	0.37
IL-1b	-0.14	-0.32	-0.09	-0.14	-0.25	0.04	-0.02	0.15
IL-4	-0.22	-0.24	-0.32	-0.07	-0.39	-0.14	-0.06	-0.07
IL-5	-0.11	-0.04	0.02	0.09	-0.15	0.07	0.29	0.17
IL-6	-0.26	-0.17	-0.33	0.03	-0.36	-0.23	-0.10	-0.15
IL-7	0.06	-0.27	0.23	-0.06	-0.13	0.39	0.27	0.31
IL-8	-0.32	-0.11	-0.11	-0.01	-0.13	-0.32	-0.32	-0.33
IL-10	0.13	-0.21	-0.02	0.06	-0.16	0.28	0.30	0.13
IL-12	-0.01	-0.16	0.12	-0.17	-0.37	0.33	0.24	0.34
IL-13	-0.20	-0.34	-0.29	-0.18	-0.48*	-0.02	-0.08	0.07
IFN-g	0.08	-0.25	-0.13	-0.18	-0.33	0.37	0.31	0.24
TNF-a	0.12	0.00	0.24	0.20	-0.07	0.11	0.35	0.42*
ITAC	0.03	0.08	0.34	0.31	0.19	-0.22	0.16	-0.08
Fractalkine	-0.01	-0.27	0.19	-0.13	-0.17	0.20	0.15	0.20
IL-17a	0.07	-0.24	-0.04	-0.16	-0.41*	0.29	0.25	0.23
IL-23	-0.23	-0.03	-0.06	-0.27	-0.46*	-0.01	-0.08	0.15
MIP-1a	0.16	-0.05	0.20	0.24	0.07	0.31	0.51*	0.05
MIP-1b	0.06	0.25	-0.21	0.07	0.20	0.16	0.29	0.09

The numbers listed in this table are Spearman's Rho.

*Rho ≥ 0.40 indicating moderate to strong correlations.