

Supplementary Table S1: Demographics and clinical features of the control patients (N = 212)

Features	SLE N = 90	UCTD N = 9	SSc N = 40	SS N = 24	Myopathy/ Arthropathy N = 49
Sex Ratio (F/M)	5.9 (77/13)	8 (8/1)	12.3 (37/3)	2.4 (17/7)	0.7 (20/29)
Age at diagnosis, years (mean \pm SD)	35 \pm 10	34 \pm 7	49 \pm 5	53 \pm 13	47 \pm 10
Arthritis	17 (19%)	1 (10%)	10 (25%)	12 (50%)	12 (24.5%)
Skin disease	19 (21%)	1 (11%)	38 (95%)	8 (33%)	NA*
Raynaud's phenomenon	44 (49%)	6 (67%)	36 (90%)	4 (16.6%)	1 (2%)
Interstitial lung disease	4 (4.4%)	0 (0%)	17 (42.5%)	3 (12.5%)	0 (0%)
Muscle weakness	18 (20%)	2 (22%)	13 (32.5%)	7 (29%)	34 (69%)
Serositis	37 (41%)	1 (10%)	6 (15%)	6 (25%)	2 (4%)
Cytopenia	47 (52%)	1 (10%)	4 (10%)	7 (29%)	3 (6%)
GNF	43 (48%)	0 (0%)	1 (2.5%)	5 (21%)	0 (0%)
CNS involv.	7 (7.8%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Thrombosis	18 (20%)	1 (10%)	1 (2.5%)	1 (4%)	1 (2%)
PNS involv.	7 (7.8%)	0 (0%)	2 (5%)	3 (12.5%)	0 (0%)

Footnotes: SLE: systemic lupus erythematosus; UCTD: undifferentiated connective tissue disease; SSc: systemic sclerosis; SS: Sjögren's syndrome; SD: standard deviation; NA: not applicable; * only psoriasis has been observed; GNF: glomerulonephritis; CNS: central nervous system; PNS: peripheral nervous system.