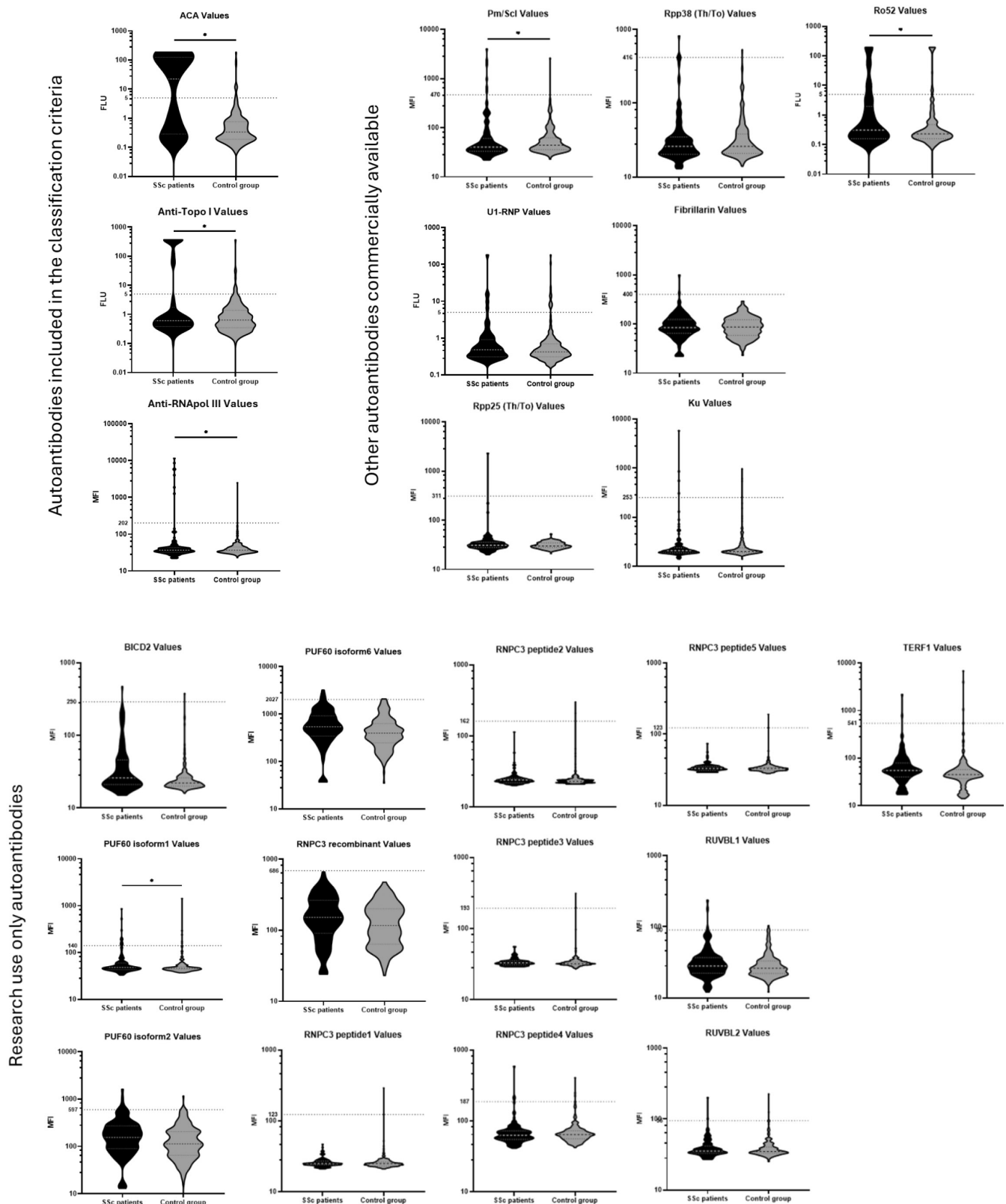




Supplementary Fig. S1. Violin plot of the different autoantibodies analysed in patients with SSc (black) and control group (grey). The outer dotted line indicates the cut-off value. The inner dotted lines show median and interquartile range. Statistical differences in prevalence between groups are indicated at <0.05 level (*).

Supplementary Table S1. Prevalence of Abs in SSc patient population, disease controls, and healthy individuals.

	SSc patients (n=124)	Disease controls (n=205)	Healthy individuals (n=25)	Specificity	SSc patients vs. disease controls (p-value)	SSc patients vs. healthy individuals (p-value)	SSc patients vs. all controls (p-value)
ACA, n (%)	67 (54.0%)	8 (3.9%)	0	96.5	<0.001	<0.001	<0.001
Anti-Topo I, n (%)	26 (21.0%)	9 (4.4%)	0	96.1	<0.001	0.008	<0.001
Anti-RNAPol III, n (%)	7 (5.6%)	1 (0.5%)	0	99.6	0.005	0.602	0.003
U1-RNP, n (%)	9 (7.3%)	11 (5.4%)	2 (8.0%)	94.3	0.485	1.000	0.645
Pm/Scl, n (%)	6 (4.8%)	1 (0.5%)	0	99.6	0.013	0.590	0.009
(Th/To) Rpp25, n (%)	1 (0.8%)	0	0	100.0	0.377	1.000	0.350
(Th/To) Rpp38, n (%)	3 (2.4%)	1 (0.5%)	0	99.6	0.152	1.000	0.126
Fibrillarin, n (%)	2 (1.6%)	0	0	100.0	0.141	1.000	0.122
Ku, n (%)	4 (3.2%)	3 (1.5%)	1 (4.0%)	98.3	0.432	1.000	0.458
Ro52, n (%)	22 (17.7%)	16 (7.8%)	0	93.0	0.008	0.026	0.003
BICD2, n (%)	1 (0.8%)	1 (0.5%)	0	99.6	1.000	1.000	1.000
PUF60 iso1, n (%)	10 (8.1%)	5 (2.4%)	0	97.8	0.027	0.214	0.012
PUF60 iso2, n (%)	4 (3.2%)	1 (0.5%)	0	99.6	0.069	1.000	0.053
PUF60 iso6, n (%)	5 (4.0%)	2 (1.0%)	0	99.1	0.109	0.590	0.054
RNPC3r, n (%)	0	0	0	100.0	1.000	1.000	1.000
RNPC3 peptide 1, n (%)	0	2 (1.0%)	0	99.1	0.529	1.000	0.544
RNPC3 peptide 2, n (%)	0	2 (1.0%)	0	99.1	0.529	1.000	0.544
RNPC3 peptide 3, n (%)	0	2 (1.0%)	0	99.1	0.529	1.000	0.544
RNPC3 peptide 4, n (%)	3 (2.4%)	3 (1.5%)	0	98.7	0.676	1.000	0.426
RNPC3 peptide 5, n (%)	0	2 (1.0%)	0	99.1	0.529	1.000	0.544
RuvBL1, n (%)	3 (2.4%)	3 (1.5%)	0	98.7	0.676	1.000	0.426
RuvBL2, n (%)	2 (1.6%)	4 (2.0%)	0	98.3	1.000	1.000	1.000
TERF1, n (%)	2 (1.6%)	4 (2.0%)	0	98.3	1.000	1.000	1.000

ACA: anti-centromere autoantibodies; anti-Topo I: anti-topoisomerase I autoantibodies; anti-RNAPol III: anti-RNA polymerase III autoantibodies; SSc: systemic sclerosis.