

Supplementary Table 4. Adjusted logistic regression analyses assessing risks of different clinical and serologic features by ever-smoking and the presence of HLA-DRB1*03:01 alleles in African-American patients with polymyositis and dermatomyositis

Anti-Jo-1 autoantibodies					
Ever smoking	HLA-DRB1*03:01 allele	Anti-Jo-1 negative, N (%)	Anti-Jo-1 positive, N (%)	Adjusted OR (95%CI)	P value
Negative	Negative	24 (80%)	6 (20%)	1.00	-
Positive	Negative	8 (73%)	3 (27%)	0.92 (0.15 – 5.66)	0.93
Negative	Positive	3 (60%)	2 (40%)	2.5 (0.28 – 22.4)	0.41
Positive	Positive	2 (67%)	1 (33%)	0.37 (0.01 – 10.41)	0.56
Anti-synthetase autoantibodies (ASA)					
Ever smoking	HLA-DRB1*03:01 allele	ASA negative, N (%)	ASA positive, N (%)	Adjusted OR (95%CI)	P value
Negative	Negative	16 (53%)	14 (47%)	1.00	-
Positive	Negative	8 (73%)	3 (27%)	0.31 (0.06 – 1.63)	0.17
Negative	Positive	3 (60%)	2 (40%)	1.65 (0.23 – 11.79)	0.62
Positive	Positive	2 (67%)	1 (33%)	0.33 (0.02 – 5.62)	0.44
Interstitial lung disease (ILD)					
Ever smoking	HLA-DRB1*03:01 allele	ILD negative, N (%)	ILD positive, N (%)	Adjusted OR (95%CI)	P value
Negative	Negative	22 (52%)	20 (48%)	1.00	-
Positive	Negative	8 (57%)	6 (43%)	0.74 (0.21 – 2.57)	0.63
Negative	Positive	2 (22%)	7 (78%)	3.88 (0.71 – 21.29)	0.12
Positive	Positive	1 (20%)	4 (80%)	3.16 (0.30 – 33.55)	0.34
Diagnosis, polymyositis vs. dermatomyositis					
Ever smoking	HLA-DRB1*03:01 allele	Dermatomyositis, N (%)	Polymyositis, N (%)	Adjusted OR (95%CI)	P value
Negative	Negative	18 (42%)	25 (58%)	1.00	-
Positive	Negative	2 (13%)	13 (87%)	5.18 (0.99 – 27.09)	0.051
Negative	Positive	1 (11%)	8 (89%)	6.61 (0.73 – 59.52)	0.092
Positive	Positive	1 (20%)	4 (80%)	3.17 (0.29 – 35.01)	0.35
Anti-p155/140 autoantibodies					
Ever smoking	HLA-DRB1*03:01 allele	Anti-p155/140 negative, N (%)	Anti-p155/140 positive, N (%)	Adjusted OR (95%CI)	P value
Negative	Negative	26 (93%)	2 (7%)	N/A	N/A
Positive	Negative	10 (100%)	0 (0%)	N/A	N/A
Negative	Positive	4 (100%)	0 (0%)	N/A	N/A
Positive	Positive	2 (100%)	0 (0%)	N/A	N/A

Odds ratios are adjusted for the impact of age and gender. N/A= not applicable.