

Supplementary Table S1. Segmental analysis of CMR mapping parameters among patients with MDA5-DM.

Parameters	HCs (n = 31)	MDA5-DM (n = 37)	p-value
Native T1 mapping, ms			
1	997.8 ± 29.1	1038.8 ± 41.2	< 0.001
2	1016.5 ± 39.2	1068.3 ± 43.7	< 0.001
3	962.3 ± 77.5	1060.8 ± 42.8	0.003
4	1021.4 ± 30.5	1065.2 ± 51.7	< 0.001
5	1002.2 ± 40.6	1053.7 ± 55.6	< 0.001
6	1006.4 ± 34.2	1036.5 ± 53.9	0.011
7	994.3 ± 44.1	1007.7 ± 48.9	0.255
8	1015.9 ± 38.0	1048.9 ± 53.7	0.007
9	1030.5 ± 33.0	1062.5 ± 51.6	0.004
10	1024.7 ± 38.7	1046.8 ± 44.0	0.038
11	986.2 ± 37.2	1033.9 ± 49.0	< 0.001
12	1009.0 ± 45.0	1018.3 ± 49.8	0.441
13	995.2 ± 40.5	1014.7 ± 59.1	0.137
14	998.0 ± 51.2	1043.8 ± 51.3	0.001
15	1005.5 ± 44.6	1031.4 ± 53.2	0.044
16	1013.2 ± 48.0	1035.9 ± 58.4	0.104
T2 mapping, ms			
1	47.3 ± 3.4	49.2 ± 3.8	0.042
2	46.6 ± 3.5	50.1 ± 3.9	< 0.001
3	46.3 ± 3.2	49.3 ± 4.3	0.002
4	48.1 ± 3.4	49.7 ± 4.0	0.088
5	48.4 ± 3.3	48.9 ± 3.4	0.514
6	48.2 ± 2.9	48.8 ± 3.5	0.503
7	48.3 ± 3.1	50.5 ± 4.1	0.023
8	47.7 ± 4.5	50.5 ± 4.3	0.012
9	45.9 ± 3.0	49.5 ± 4.6	0.001
10	47.6 ± 3.8	49.0 ± 4.4	0.199
11	47.5 ± 3.2	49.3 ± 3.7	0.056
12	47.4 ± 2.7	49.5 ± 3.9	0.019
13	50.4 ± 4.1	52.1 ± 4.2	0.080
14	49.2 ± 3.3	51.5 ± 4.1	0.020
15	47.3 ± 3.6	49.6 ± 4.6	0.038
16	49.6 ± 4.1	50.9 ± 3.9	0.203
ECV, %			
1	-	28.4 ± 3.8	-
2	-	30.7 ± 3.6	-
3	-	30.6 ± 4.2	-
4	-	30.9 ± 4.2	-
5	-	31.0 ± 4.5	-
6	-	29.5 ± 4.6	-
7	-	28.7 ± 3.8	-
8	-	30.3 ± 4.1	-
9	-	29.9 ± 4.1	-
10	-	30.1 ± 4.1	-
11	-	29.4 ± 4.0	-
12	-	28.5 ± 3.8	-
13	-	31.7 ± 4.8	-
14	-	30.8 ± 3.9	-
15	-	30.2 ± 3.7	-
16	-	31.9 ± 5.1	-

CMR: cardiac magnetic resonance; ECV: extracellular volume; MDA5-DM: anti-melanoma differentiation-associated gene-5 antibody-positive dermatomyositis.