

Supplementary Table S4. Conditional logistic regression analysis between the *HLA* alleles in MCTD.

<i>HLA</i> allele	Unconditioned		Conditioned on <i>DRB1*04:01</i>		Conditioned on <i>DQB1*03:01</i>	
	<i>P</i>	OR (95%CI)	<i>P</i> _{adjusted}	OR _{adjusted} (95%CI)	<i>P</i> _{adjusted}	OR _{adjusted} (95%CI)
<i>DRB1*04:01</i>	6.93X10 ⁻⁵	5.92 (2.46–14.21)	NA	NA	4.49X10 ⁻⁶	12.46 (4.24–36.62)
<i>DQB1*03:01</i>	0.6103	0.89 (0.57–1.39)	0.0106	0.44 (0.24–0.83)	NA	NA

<i>HLA</i> allele	Unconditioned		Conditioned on <i>DRB1*09:01</i>		Conditioned on <i>DQB1*03:03</i>	
	<i>P</i>	OR (95%CI)	<i>P</i> _{adjusted}	OR _{adjusted} (95%CI)	<i>P</i> _{adjusted}	OR _{adjusted} (95%CI)
<i>DRB1*09:01</i>	0.0096	1.60 (1.12–2.29)	NA	NA	0.8031	1.15 (0.39–3.32)
<i>DQB1*03:03</i>	0.0079	1.62 (1.13–2.31)	0.5116	1.43 (0.49–4.11)	NA	NA

<i>HLA</i> allele	Unconditioned		Conditioned on <i>DRB1*13:02</i>		Conditioned on <i>DQB1*06:04</i>	
	<i>P</i>	OR (95%CI)	<i>P</i> _{adjusted}	OR _{adjusted} (95%CI)	<i>P</i> _{adjusted}	OR _{adjusted} (95%CI)
<i>DRB1*13:02</i>	0.0080	0.29 (0.12–0.72)	NA	NA	0.1522	0.16 (0.01–1.99)
<i>DQB1*06:04</i>	0.0191	0.33 (0.13–0.84)	0.5962	2.01 (0.15–26.73)	NA	NA

MCTD: mixed connective tissue disease, OR: odds ratio, CI: confidence interval. *P*, OR, 95%CI, *P*_{adjusted} and OR_{adjusted} were calculated by logistic regression analysis under the additive model.