

Online Resource 1: Frequencies of class II alleles are shown for the total cohort, as well as, cases and controls.

DRB1*	Total No. (2n=350)	(%)	Case No. (2n=194)	(%)	Control No. (2n=156)	(%)
001:01	14	4.0	7	3.6	7	4.5
001:02	31	8.9	11	5.7	20	12.8
002:01	11	3.1	3	1.5	8	5.1
006:01	5	1.4	5	2.6	0	0.0
011:01	153	43.7	96	49.5	57	36.5
012:01	21	6.0	20	10.3	1	0.6
013:01	1	0.3	1	0.5	0	0.0
015:01	99	28.3	43	22.2	56	35.9
015:02	8	2.3	3	1.5	5	3.2
016:01	1	0.3	0	0.0	1	0.6
020:01	5	1.4	4	2.1	1	0.6
040:01	1	0.3	1	0.5	0	0.0

DQA1*	Total No. (2n=350)	(%)	Case No. (2n=194)	(%)	Control No. (2n=156)	(%)
001:01	46	13.1	18	9.3	28	17.9
002:01	153	43.7	96	49.5	57	36.5
003:01	1	0.3	1	0.5	0	0.0
004:01	26	7.4	24	12.4	2	1.3
005:01:1	5	1.4	5	2.6	0	0.0
006:01	107	30.6	46	23.7	61	39.1
009:01	11	3.1	3	1.5	8	5.1
010:01	1	0.3	1	0.5	0	0.0

DQB1*	Total No. (2n=350)	(%)	Case No. (2n=194)	(%)	Control No. (2n=156)	(%)
001:01	11	3.1	3	1.5	8	5.1
002:01	46	13.1	18	9.3	28	17.9
003:01	96	27.4	42	21.6	54	34.6
005:02	1	0.3	1	0.5	0	0.0
007:01	5	1.4	5	2.6	0	0.0
013:02	150	42.9	96	49.5	54	34.6
013:03	8	2.3	4	2.1	4	2.6
019:01	1	0.3	1	0.5	0	0.0
020:02	1	0.3	1	0.5	0	0.0
023:01	10	2.9	3	1.5	7	4.5
013:01+017:01^a	21	6.0	20	10.3	1	0.6

^a 013:01+017:01 indicates that DQB1*013:03 and DQB1*017:01 are both present on the same haplotype.

Tsai KL, Starr-Moss AN, Venkataraman GM, Robinson C, Kennedy LJ, Steiner JM, Clark LA. Alleles of the major histocompatibility complex play a role in the pathogenesis of pancreatic acinar atrophy in dogs. Immunogenetics

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