

Supplemental data Table 2. MHC class II sequencing results <sup>1,2</sup>

Animal	DR	DR	DR	DR	DQA	DQA	DQA	DQB	DQB	DPA	DPA	DPA	DPB	DPB
II69	DRB1*03:03				DQA1*26:g1			DQB1*18:g1	DBQ1*18:g3	DPA1*02:g2	DPA1*06		DPB1*07:01	
IB78	DRB1*03:03				DQA1*26:g1	DQA1*26:g3		DQB1*18:g1		DPA1*02:g1	DPA1*06	DPA1*02:g2	DPB1*07:01	
HB95	DRB1*03:03	DRB1*10:03			DQA1*26:g1	DQA1*01:g1		DQB1*18:g1	DQB1*06:g2	DPA1*02:g1	DPA1*02:g2	DPA1*06	DPB1*07:01	
HE06	DRB1*03:03	DRB1*03:09			DQA1*01:g2	DQA1*01:04	DQA1*26:g1	DQB1*18:g1	DQB1*06:01	DPA1*02:g1	DPB1*06:02			
GP21	DRB1*03:03	DRB1*03:g1			DQA1*26:g1			DQB1*18:g1		DPA1*04:g1	DPA1*04:g2		DPB1*02:01	DPB1*03
II21	DRB1*03:09				DQA1*01:g2	DQA1*01:04		DQB1*06:01	DQB1*18:08	DPA1*02:03	DPA1*02:g1		DPB1*06:01	
HN69	DRB1*03:09				DQA1*01:g2	DQA1*01:04		DQB1*06:01	DQB1*18:08	DPA1*02:03	DPA1*06		DPB1*06:01	
IJ42	DRB1*03:g1	DRB1*10:03			DQA1*01:g1	DQA1*01:g2		DQB1*06:01	DQB1*06:g2	DPA1*04:g1			DPB1*03	
IN85	DRB1*03:g2	DRB*W1:g1	DRB*W6:02	DRB*W6:g2	DQA1*26:g1			DQB1*18:g1	DBQ1*18:g2	DPA1*02:g1	DPA1*02:g2		DPB1*07:01	
CK53	DRB1*03:g2	DRB*W1:g1	DRB*W6:02	DRB*W6:g2	DQA1*01:g2	DQA1*01:04		DQB1*06:01	DBQ1*18:g2	DPA1*02:g1	DPA1*08			
GI89	DRB1*04:06	DRB5*03:01			DQA1*26:g1	DQA1*26:g1		DQB1*18:g1		DPA1*02:g1	DPA1*02:g2		DPB1*06:02	DPB1*07:01
II43	DRB1*04:06	DRB*W21:04			DQA1*01:g3	DQA1*26:g1	DQA1*26:g3	DQB1*06:g1	DQB1*18:g3	DPA1*06	DPA1*08			
II07	DRB1*04:06	DRB5*03:01			DQA1*01:g2	DQA1*01:04	DQA1*26:g1	DQB1*06:01		DPA1*02:g1				
IJ23	DRB*W21:04	DRB*W26			DQA1*01:g3	DQA1*01:05	DQA1*26:g1	DQB1*06:g1	DQB1*18:g1	DPA1*04:g2			DPB1*02:01	
IM73	DRB*W21:04	DRB*W26			DQA1*01:g3	DQA1*01:05	DQA1*26:g1	DQB1*06:g1	DQB1*18:g1	DPA1*02:g1	DPA1*02:g2	DPA1*06	DPB1*07:01	
GK87	DRB1*03:03	DRB1*04:06	DRB1*10:07	DRB5*03:01	DQA1*26:g1	DQA1*26:g1		DQB1*18:g1	DQB1*18:g3	DPA1*02:g1	DPA1*02:g2		DPB1*05:01	DPB1*07:01
CL10	DRB*W3:05	DRB*W6:06	DRB*W21:04	DRB*W26:g	DQA1*01:g3			DQB1*06:g1	DQB1*18:10	DPA1*02:08	DPA1*04:g1		DPB1*03:g	DPB1*06:04
CR57	DRB1*04:06	DRB5*03:01	DRB*W3	DRB*W4:g1	DQA1*23:01	DQA1*26:g2		DQB1*18:02		DPA1*02:g1			DPB1*08:01	
EA97	DRB1*04:06	DRB5*03:01			DQA1*26:g1	DQA1*26:g2		DQB1*18:g1		DPA1*02:g1	DPA1*08		DPB1*04	DPB1*05:01
FM29	DRB1*04:06	DRB5*03:01			DQA1*26:g2			DBQ1*18:g3		DPA1*02:g1			DPB1*05:01	DPB1*08:01
HK78	DRB1*03:g1	DRB1*10:03			DQA1*26:g1	DQA1*01:g1		DQB1*06:g2	DQB1*17:03	DPA1*06	DPA1*02:g1	DPA1*02:10	DPB1*07:03	
IL33	DRB1*04:06	DRB5*03:01	DRB3*04:g1	DRB*W4:g2	DQA1*01:05	DQA1*26:g2		DQB1*06:09	DQB1*18:g3	DPA1*02:g1	DPA1*06	DPA1*02:10	DPB1*08:01	

<sup>1</sup> Animals coded the same color are related.<sup>2</sup> If the allele name contains a g1, g2 or g3, this describes a cluster of alleles, not a single allele.