

Figure S2

Sample	Locus	Submitted		Most Frequently Called		Agreement	Genotype Concordance	Manual Editing	Allele Concordance
		Allele 1	Allele 2	Allele 1	Allele 2				
1	HLA-A	A*0101	A*3101	A*01010101	A*310102	7/7	7/7	0	14/14
2		A*2501/07	A*3101/14N/23	A*250101	A*310102	6/8	7/8	1	14/16
3		A*6803	A*7401	A*680301	A*7401	7/7	7/7	0	14/14
4		A*0201	A*2902	A*02010101	A*290201	8/8	8/8	0	16/16
5		A*0201	A*6801	A*02010101	A*680102	8/8	8/8	0	16/16
6		A*2601	A*7401	A*260101	A*7402	6/8	2/8	2	10/16
7		A*2501/07	A*2601/24/26	A*250101	A*260101	5/8	5/8	0	12/16
8		A*0205	A*0230	A*020501	A*0230	8/8	8/8	1	16/16
9		A*3101	A*6601	A*310102	A*6601	6/8	7/8	0	14/16
10		A*02 ¹⁰⁵ 5bp ins Ex2 pos 30	A*0301	No matches		(8/8)	0/0	--	0/0
11		A*3001	A*6802	A*300101	A*68020101	6/7	7/7	1	14/14
12		A*0101	A*0201	A*01010101	A*02010101	6/6	6/6	0	12/12
13		A*1101	A*2601	A*110101	A*260101	7/7	7/7	2	14/14
14		A*0101	A*1101	A*01010101	A*110101	6/8	6/8	6	12/16
15		A*02DJZN	A*3101/14N/23	A*02010101	A*310102	8/8	8/8	0	16/16
16		A*0201	A*0201	A*02010101	A*02010101	8/8	8/8	1	16/16
17		A*0201	A*3201	A*02010101	A*320101	8/8	8/8	1	16/16
18		A*2402	A*3201	A*24020101	A*320101	7/7	7/7	1	14/14
19		A*0239	A*0301	A*0239	A*03010101	3/7	7/7	2	14/14
20		A*010101	A*010101	A*01010101	A*01010101	7/8	7/8	1	14/16
1	HLA-B	B*1801	B*4001	B*180101	B*400101	7/7	7/7	0	14/14
2		B*0702/44/49N/58/59/61	B*1801/17N	B*070201	B*180101	7/7	7/7	0	14/14
3		B*1503	B*3905	B*1503	B*3905	3/7	3/7	4	10/14
4		B*4403	B*5101	B*440301	B*510101	6/7	6/7	2	13/14
5		B*1501	B*5101	B*15010101	B*510101	7/7	7/7	1	14/14
6		B*5301	B*5501	B*530101	B*550101	7/7	7/7	1	14/14
7		B*1302	B*4102	B*130201	B*4102	8/8	8/8	4	16/16
8		B*1302	B*5801	B*130201	B*580101	8/8	8/8	2	16/16
9		B*0706	B*3508	B*070501 ⁺	B*350801	8/8	8/8	0	16/16
10		B*0702	B*1402	B*070201	B*140201	6/7	7/7	1	14/14
11		B*4201	B*4201	B*4201	B*4201	8/8	8/8	0	16/16
12		B*0702	B*0801	B*070201	B*080101	7/7	7/7	0	14/14
13		B*3501	B*3801	B*350101	B*380101	7/7	7/7	1	14/14
14		B*0801	B*5101	B*080101	B*510101	5/7	7/7	2	14/14
15		B*5701	B*6701	B*570101	B*670102	6/7	6/7	3	12/14
16		B*1501	B*1501	B*15010101	B*15010101	8/8	8/8	0	16/16
17		B*1801	B*2705	B*180101	B*270502	7/7	7/7	0	14/14
18		B*4002 ⁸ 8 bp del Ex2 end	B*5101	No matches		(8/8)	0/0	--	0/0
19		B*3509	B*4402	B*350901	B*44020101	7/8	8/8	1	16/16
20		B*3701	B*3701	B*370101	B*370101	8/8	8/8	0	16/16
1	HLA-C	Cw*0304	Cw*1203	Cw*030401	Cw*12030101	7/7	7/7	0	14/14
2		Cw*0702/50	Cw*0701/06/18/52	Cw*070101	Cw*07020101	6/7	7/7	1	14/14
3		Cw*0210	Cw*0702	Cw*0210	Cw*07020101	6/7	7/7	1	14/14
4		Cw*0501	Cw*1601	Cw*05010101	Cw*160101	7/7	7/7	0	14/14
5		Cw*0303	Cw*1502	Cw*030301	Cw*150201	7/7	7/7	0	14/14
6		Cw*0303	Cw*0401	Cw*030301	Cw*04010101	7/7	7/7	0	14/14
7		Cw*0602	Cw*1701/02/03	Cw*06020101	Cw*1701	7/7	7/7	0	14/14
8		Cw*0602	Cw*0718	Cw*06020101	Cw*070101	5/7	6/7	1	13/14
9		Cw*0401	Cw*1505	Cw*04010101	Cw*150501	8/8	8/8	0	16/16
10		Cw*0202	Cw*0702	Cw*020202	Cw*07020101	7/7	7/7	0	14/14
11		Cw*1701	Cw*1701	Cw*1701	Cw*1701	8/8	8/8	0	16/16
12		Cw*0701	Cw*0702	Cw*070101	Cw*07020101	8/8	8/8	1	16/16
13		Cw*0401	Cw*1203	Cw*04010101	Cw*12030101	7/8	8/8	0	16/16
14		Cw*0401	Cw*0701	Cw*04010101	Cw*070101	7/7	7/7	0	14/14
15		Cw*0602/11	Cw*1203/04	Cw*06020101	Cw*12030101	7/7	7/7	2	14/14
16		Cw*0303	Cw*0304	Cw*030301	Cw*030301	8/8	0/8	0	8/16
17		Cw*0202	Cw*0701	Cw*020202	Cw*070101	7/7	7/7	0	14/14
18		Cw*0306	Cw*1203	Cw*0306	Cw*12030101	8/8	8/8	0	16/16
19		Cw*0401	Cw*0501	Cw*04010101	Cw*05010101	3/6	6/6	0	12/12
20		Cw*0602	Cw*0602	Cw*06020101	Cw*06020101	7/8	7/8	0	14/16
1	DPB1	DPB1*040101	DPB1*040101	DPB1*040101	DPB1*040101	8/8	8/8	0	16/16
2		DPB1*040101	DPB1*040101	DPB1*040101	DPB1*040101	7/8	8/8	2	16/16
3		DPB1*020102	DPB1*0402	DPB1*020102	DPB1*0402	8/8	8/8	0	16/16
4		DPB1*110101	DPB1*1401	DPB1*110101	DPB1*1401	8/8	8/8	0	16/16
5		DPB1*040101	DPB1*040101	DPB1*040101	DPB1*040101	8/8	8/8	1	16/16
6		DPB1*0401	DPB1*0402	DPB1*040101	DPB1*0402	8/8	8/8	0	16/16
7		DPB1*0402	DPB1*1701	DPB1*0402	DPB1*1701	8/8	8/8	0	16/16
8		DPB1*030101	DPB1*040101	DPB1*030101	DPB1*040101	8/8	8/8	0	16/16
9		DPB1*0101	DPB1*0401	DPB1*010101	DPB1*040101	8/8	8/8	0	16/16
10		DPB1*030101	DPB1*050101	DPB1*030101	DPB1*050101	7/7	7/7	0	14/14
11		DPB1*010101	DPB1*0402	DPB1*010101	DPB1*0402	8/8	8/8	0	16/16
12		DPB1*020102	DPB1*040101	DPB1*020102	DPB1*040101	8/8	8/8	0	16/16
13		DPB1*0101	DPB1*1501	DPB1*010101	DPB1*1501	8/8	8/8	0	16/16
14		DPB1*010101	DPB1*200101	DPB1*010101	DPB1*200101	8/8	8/8	0	16/16
15		DPB1*040101	DPB1*0902	DPB1*040101	DPB1*0902	7/7	8/8	1	14/14
16		DPB1*040101	DPB1*040101	DPB1*040101	DPB1*040101	8/8	8/8	0	16/16
17		DPB1*030101	DPB1*200101	DPB1*030101	DPB1*200101	8/8	8/8	0	16/16
18		DPB1*020102	DPB1*050101	DPB1*020102	DPB1*050101	8/8	8/8	0	16/16
19		DPB1*040101	DPB1*1001	DPB1*040101	DPB1*1001	8/8	8/8	0	16/16
20		DPB1*040101	DPB1*1401	DPB1*040101	DPB1*1401	8/8	8/8	0	16/16
1	DQA1	DQA1*010101	DQA1*010101	DQA1*010101	DQA1*010101	8/8	8/8	2	16/16
2		DQA1*030101	DQA1*050101	DQA1*030101	DQA1*050101	8/8	8/8	0	16/16
3		DQA1*030101	DQA1*050101	DQA1*030101	DQA1*050101	8/8	8/8	0	16/16
4		DQA1*0201	DQA1*0201	DQA1*0201	DQA1*0201	8/8	8/8	0	16/16
5		DQA1*0103	DQA1*0103	DQA1*0103	DQA1*0103	8/8	8/8	2	16/16
6		DQA1*030101	DQA1*050101	DQA1*030101	DQA1*050101	8/8	8/8	0	16/16
7		DQA1*0201	DQA1*050101	DQA1*0201	DQA1*050101	8/8	8/8	0	16/16
8		DQA1*010201	DQA1*0201	DQA1*010201	DQA1*0201	8/8	8/8	0	16/16
9		DQA1*010201	DQA1*050101	DQA1*010201	DQA1*050101	8/8	8/8	0	16/16
10		DQA1*010101	DQA1*030101	DQA1*010101	DQA1*030101	7/7	7/7	0	14/14
11		DQA1*0401	DQA1*0401	DQA1*040101	DQA1*040101	8/8	8/8	1	16/16

12		DQA1*030101	DQA1*050101	DQA1*030101	DQA1*050101	7/7	7/7	0	14/14
13		DQA1*010101	DQA1*0103	DQA1*010101	DQA1*0103	7/7	7/7	0	14/14
14		DQA1*030101	DQA1*050101	DQA1*030101	DQA1*050101	8/8	8/8	0	16/16
15		DQA1*010101	DQA1*0103	DQA1*010101	DQA1*0103	8/8	8/8	0	16/16
16		DQA1*010201	DQA1*0103	DQA1*010201	DQA1*0103	8/8	8/8	3	16/16
17		DQA1*030101	DQA1*030101	DQA1*030101	DQA1*030101	8/8	8/8	0	16/16
18		DQA1*010101	DQA1*030101	DQA1*010101	DQA1*030101	8/8	8/8	0	16/16
19		DQA1*010201	DQA1*050101	DQA1*010201	DQA1*050101	8/8	8/8	0	16/16
20		DQA1*010201	DQA1*010201	DQA1*010201	DQA1*010201	8/8	8/8	0	16/16
1	DQB1	DQB1*0501	DQB1*05	DQB1*050101	DQB1*050301	8/8	8/8	0	16/16
2		DQB1*030101	DQB1*030302	DQB1*030101	DQB1*030302	8/8	8/8	0	16/16
3		DQB1*0201	DQB1*0302	DQB1*020101	DQB1*030201	8/8	8/8	0	16/16
4		DQB1*0202	DQB1*02 ⁵² possible variant	No matches		(8/8)	0/0	--	0/0
5		DQB1*0603	DQB1*0603	DQB1*060301	DQB1*060301	8/8	8/8	1	16/16
6		DQB1*0301	DQB1*0302	DQB1*030101	DQB1*030201	8/8	8/8	0	16/16
7		DQB1*0202/03	DQB1*0301/04	DQB1*0202	DQB1*030101	8/8	8/8	0	16/16
8		DQB1*0202	DQB1*0609	DQB1*0202	DQB1*0609	8/8	8/8	2	16/16
9		DQB1*0201	DQB1*0602	DQB1*020101	DQB1*060201	8/8	8/8	1	16/16
10		DQB1*0302	DQB1*0501	DQB1*030201	DQB1*050101	8/8	8/8	0	16/16
11		DQB1*0402	DQB1*0402	DQB1*0402	DQB1*0402	8/8	8/8	0	16/16
12		DQB1*0201	DQB1*0303	DQB1*020101	DQB1*030302	8/8	8/8	0	16/16
13		DQB1*0501	DQB1*0603	DQB1*050101	DQB1*060301	8/8	8/8	0	16/16
14		DQB1*0201	DQB1*0302	DQB1*020101	DQB1*030201	7/8	8/8	2	16/16
15		DQB1*0501	DQB1*0603	DQB1*050101	DQB1*060301	8/8	8/8	0	16/16
16		DQB1*0603	DQB1*0604	DQB1*060301	DQB1*060401	8/8	8/8	1	16/16
17		DQB1*0301	DQB1*0302	DQB1*030101	DQB1*030201	8/8	8/8	0	16/16
18		DQB1*0302	DQB1*0501	DQB1*030201	DQB1*050101	8/8	8/8	0	16/16
19		DQB1*0301	DQB1*0502	DQB1*030101	DQB1*050201	8/8	8/8	0	16/16
20		DQB1*050201	DQB1*050201	DQB1*050201	DQB1*050201	8/8	8/8	0	16/16
1	DRB1	DRB1*0101	DRB1*1401	DRB1*010101	DRB1*140101	8/8	8/8	0	16/16
2		DRB1*090102	DRB1*130301	DRB1*090102	DRB1*130301	7/7	7/7	0	14/14
3		DRB1*0301	DRB1*0407	DRB1*03010101	DRB1*040701	7/7	7/7	0	14/14
4		DRB1*0701	DRB1*0701	DRB1*07010101	DRB1*07010101	8/8	8/8	5	16/16
5		DRB1*1301	DRB1*1301	DRB1*130101	DRB1*130101	8/8	8/8	1	16/16
6		DRB1*0401	DRB1*1103	DRB1*040101	DRB1*1103	7/7	7/7	1	14/14
7		DRB1*0701	DRB1*1303	DRB1*07010101	DRB1*130301	8/8	8/8	0	16/16
8		DRB1*0701	DRB1*1302	DRB1*07010101	DRB1*130201	8/8	8/8	0	16/16
9		DRB1*0301	DRB1*1501	DRB1*03010101	DRB1*15010101	8/8	8/8	0	16/16
10		DRB1*0103	DRB1*0402	DRB1*0103	DRB1*0402	8/8	8/8	0	16/16
11		DRB1*030201	DRB1*030201	DRB1*030201	DRB1*030201	7/8	7/8	2	14/16
12		DRB1*0301	DRB1*0901	DRB1*03010101	DRB1*090102	8/8	8/8	0	16/16
13		DRB1*0101	DRB1*1301	DRB1*010101	DRB1*130101	8/8	8/8	1	16/16
14		DRB1*0301	DRB1*0404	DRB1*03010101	DRB1*0404	8/8	8/8	0	16/16
15		DRB1*0101	DRB1*1301	DRB1*010101	DRB1*130101	8/8	8/8	0	16/16
16		DRB1*1301	DRB1*1302	DRB1*130101	DRB1*130201	8/8	8/8	2	16/16
17		DRB1*0401	DRB1*0404	DRB1*040101	DRB1*0404	8/8	8/8	0	16/16
18		DRB1*0101	DRB1*0411	DRB1*010101	DRB1*0411	8/8	8/8	0	16/16
19		DRB1*1402	DRB1*1601	DRB1*1402	DRB1*160101	8/8	8/8	0	16/16
20		DRB1*160101	DRB1*160101	DRB1*160101	DRB1*160101	5/8	5/8	3	12/16
1	DRB3/4/5	DRB3*0202		DRB3*020201	DRB3*020201 ^Δ	8/8	8/8	1	15/15
2		DRB4*01010101	DRB3*01010201	DRB4*01010101	DRB3*01010201	7/7	7/7	0	14/14
3		DRB4*01010101	DRB3*020201	DRB4*01010101	DRB3*020201	7/7	7/7	0	14/14
4		DRB4*01010101	DRB4*01010101	DRB4*01010101	DRB4*01010101	8/8	8/8	1	16/16
5		DRB3*01	DRB3*0202	DRB3*01010201	DRB3*020201	8/8	8/8	1	16/16
6		DRB4*01010101	DRB3*020201	DRB4*01010101	DRB3*020201	8/8	8/8	1	16/16
7		DRB4*01010101	DRB3*01010201	DRB4*01010101	DRB3*01010201	8/8	8/8	2	16/16
8		DRB4*01010101	DRB3*030101	DRB4*01010101	DRB3*030101	8/8	8/8	0	16/16
9		DRB5*010101	DRB3*01010201	DRB5*010101	DRB3*01010201	8/8	8/8	1	16/16
10		DRB4*01010101		DRB4*01010101	DRB4*01010101 ^Δ	8/8	8/8	1	15/15
11		DRB3*01010201	DRB3*01010201	DRB3*01010201	DRB3*01010201	8/8	8/8	4	16/16
12		DRB3*01	DRB4*01	DRB4*01010101	DRB3*01010201	8/8	8/8	1	16/16
13		DRB3*01010201		DRB3*01010201	DRB3*01010201 ^Δ	8/8	8/8	1	15/15
14		DRB3*0101	DRB4*0103	DRB4*01010101	DRB3*01010201	8/8	8/8	0	16/16
15		DRB3*01010201		DRB3*01010201	DRB3*01010201 ^Δ	8/8	8/8	2	15/15
16		DRB3*0202	DRB3*0301	DRB3*020201	DRB3*030101	8/8	8/8	0	16/16
17		DRB4*0103	DRB4*0103	DRB4*01010101 [‡]	DRB4*01010101 [‡]	8/8	8/8	0	16/16
18		DRB4*01010101		DRB4*01010101	DRB4*01010101 ^Δ	8/8	8/8	0	15/15
19		DRB3*01010201	DRB5*0202	DRB3*01010201	DRB5*0202	8/8	8/8	0	16/16
20		DRB5*0202	DRB5*0202	DRB5*0202	DRB5*0202	4/8	4/8	4	12/16

KEY:

Unambiguous by 454 at sites in agreement
Man ed required only for additional concordant samples
Genotype incorrect
Based on the 454 consensus sequence in study
⁵² New Allele; not in database
^Δ DRB3,4,5 hemizygotes appear as homozygotes in Conexio ATF
[‡] Correct genotype in ambiguity string
() Based on initial Genotyping Report
DJZN 0201/0201L/0209/0220/0243N/0266/0275/0283N/0289/0297/9232/9234/924