

SP Reference Panel

IHW #	Sample ID	A*		B*		Cw*		DRB1*		DRB3*		DRB4*	
IHW09009	KAS011	010101		3701		0602		160101					
IHW09014	MGar	2601		0801		070101		150101					
IHW09016	RML	0204		510101		1502		160201					
IHW09021	RSH	3001	6802	4201		1701		03:02:01	03:02:01	01:01:02:01/01:01:02:02	01:01:02:01/01:01:02:02		
IHW09024	KT17	0206	1101	15010101	3501	0303	0401	0406	0403			01030101	
IHW09030	JHAF	310102		510101		1502		040701				01030101	
IHW09032	BSM	020101		15010101		030401		040101				01030101	
IHW09035	JBush	3201		3801		120301		1101		020201			
IHW09040	BM15	010101		4901		0701		1102		020201			
IHW09045	TUBO	A*03:01:01:01	A*02:16	B*51:01:01:01	B*51:01:01:01	C*15:02:01:01	C*07:04:01	DRB1*11:04:01	DRB1*12:01:01*	DRB3*02:02:01:01	-		
IHW09047	PLH	03010101		47010101		0602		070101				010101	
IHW09048	LBUF	3001		1302		0602		070101				01030101	
IHW09052	DBB	A*02:01:01:01	A*02:01:01:01	B*57:01:01	B*57:01:01	C*06:02:01:01	C*06:02:01:01	DRB1*07:01:01:01/02	DRB1*07:01:01:01/02	-		HLA-DRB4*01:03:01:02N	
IHW09053	HOR	330301		440301		1403		130201		030101			
IHW09056	KOSE	020101		3503		120301		1302	1401	030101	020201		
IHW09068	BM9	A*02:01:01:01	A*02:01:01:01	B*35:01:01:02	B*35:01:01:02	C*04:01:01:01	C*04:01:01:01	DRB1*08:01:03	DRB1*08:01:03	-	-		
IHW09077	T7527	0207	020101	4601		0102		090102	120201	030101		01030101	
IHW09085	EJ32B	3002		18010101		0501		030101		020201			
IHW09092	BM92	2501		510101		0102		0404				01030101	
IHW09103	KT14	24020101	2602	4006	510101	0801	1402	090102				010302	
IHW09215	M7	0202	030101	3501	5301	0401		030101	070101	020201		01030101	
IHW09220	XLI-ND	0210	3001	1302	40060101	0801	0602	070101	090102			01030101	010302
IHW09237	APA	1101	2403	1502	5502	0801	120301	150101	1405	020201			
IHW09253	THAI742	2403	3303	1512	4601	0102	030301	0406	120201	030101		01030101	
IHW09263	GO85	010101	29010101	4006	520101	120202	1502	1404	150201	020201			
IHW09266	PAR	110101	2402	2706		4801	030401	0801	11:01:01	15:02:01	02:02:01		
IHW09267	LEO23	A*66:01:01	A*32:01:01	B*73:01	B*51:01:01:01	C*01:02:01	C*15:05:01	DRB1*13:01:01	DRB1*13:02:01	DRB3*01:01:02:01	DRB3*03:01:01		
IHW09273	LADA	0201	8001	0702	5703	0702	0802	09:01:02	12:01:01/12:10	02:02:01	02:02:01	010101	
IHW09364	GRC212	A*68:01:02:01	A*02:11:01	B*40:04	B*35:05:01*	C*04:01:01:01	C*03:04:01:02	DRB1*04:11:01	DRB1*09:01:02			HLA-DRB4*01:03:01:01/03	HLA-DRB4*01:03:02
IHW09366	Daudi	A*66:01:01	A*01:02	B*58:02	B*58:01:01	C*06:02:01:01	C*03:02:02:01	DRB1*13:01:01	DRB1*13:02:01	DRB3*02:02:01:01	DRB3*03:01:01		
IHW09367	LCK	0203	1102	4601	380201	0702	1202	0901				01030101	010302
IHW09368	280599	A*24:02:01:01	A*26:04	B*38:02:01	B*39:01:03	C*07:02:01:01	C*07:02:01:01	DRB1*09:01:02	DRB1*15:01:01:02			HLA-DRB4*01:03:02	
IHW09369	ISH3	A*24:02:01:01	A*24:02:01:01	B*15:26N^	B*15:26N^	C*04:01:01:01	C*04:01:01:01	DRB1*04:06:01	DRB1*04:06:01	-		HLA-DRB4*01:03:01:01/03	
IHW09370	230699	A*02:06:01	A*24:02:01:01	B*07:02:01	B*51:03	C*14:02:01	C*07:02:01:03	DRB1*01:01:01	DRB1*04:05:01			HLA-DRB4*01:03:01:01/03	
IHW09371	ISH4	0218	1101	1501	4601	0102	040101	0406	080302			01030101	
IHW09372	ISH5	24020101		4801	5401	0803	0102	090102	140501	020201		010302	
IHW09373	FH1	0205	6802	1402	5801	0802	0701	010201	130201	030101			
IHW09374	FH2	3402	020101	4402	4001	0501	0304	1301	1302	01010201	030101		
IHW09375	FH3	3301	310102	1402	3502	040101	0802	110401	110101	020201			
IHW09376	FH4	010101		2703	270502	020202		070101	110102	020201		010101	
IHW09377	FH5	02010101	290201	2709	440301	0102	1601	07:01:01	14:01:01/14:54:01	02:02:01	02:02:01	010102	
IHW09380	FH6	2402	2901	2702	0705	1505	020202	100101	160101				
IHW09381	FH7	0206	3002	3908	180101	0702	0501	0315	040701	020201		01030101	
IHW09382	FH8	110101	3402	8201	270502	0302	0102	070101	1503			010101	
IHW09385	FH11	030101	2902	4404	070201	0702	1601	0101	110102	020201			
IHW09386	FH12	020101	1101	4402	270502	0501	020202	120101	0404			01030101	
IHW09387	FH13	3402	6802	440301	1510	0401	030402	1503	030101	020201			
IHW09394	BPOT	A*02:01:01:01	A*02:01:01:01	B*07:03	B*15:01:01:01	C*03:04:01:01	C*03:03:01	DRB1*13:01:01*	DRB1*15:01:01:02	DRB3*01:01:02:01*			
IHW09398	FH18	3601	7401	5301	5703	0401	0701	1303	0804	020201			
IHW09415	FH34	3401	3401	15	1521	07	0403	0803	0405				

(/) represents exon2+exon3 typing

**There are ambiguities regarding DQB1*0201 in the literature, some low resolution typing kits detect *0202 as *0201 and are presented as *0201 in the literature without distinction.

Bold font: Allele assigned by Sequencing-Based Typing

A*/B*/C*... represent typing performed in 2015 by the 17th workshop

DRB5*	DQA1*		DQB1*		DPA1*		DPB1*	
0202	010202	010201	050201		020101	010301	1401	040101
010101	010201		0602		01		0401	
0202	0501		0301		0103		0402	
	04:01:01	04:01:01	04:02:01	04:02:01	02:02:02	03:01	01:01:01	04:02:01/105:01
	0301		030201		020202		0501	
	0301		030101		0103		030101	
	03		030201		01		020102	
	050101		030101				0401	
	0501		0301		01		0301	
	DQA1*05:05:01:01	DQA1*05:05:01:01	DQB1*03:01:01:01	DQB1*03:01:01:03	DPA1*01:03:01:05	DPA1*01:03:01:02	DPB1*02:01:02	DPB1*04:02:01:02
	0201		0201**		010301		1501	
	0201		0201		020101		1701	
	DQA1*02:01	DQA1*02:01	DQB1*03:03:02:01	DQB1*03:03:02:01	DPA1*01:03:01:02	DPA1*01:03:01:02	DPB1*04:01:01:01	DPB1*04:01:01:01
	0102		0604				0401	
	010401	0102	060401	050301	020101	010301	1301	020102
	DQA1*04:01:01	DQA1*04:01:01	DQB1*04:02:01	DQB1*04:02:01	DPA1*01:03:01:01	DPA1*01:03:01:01	DPB1*02:01:04	DPB1*02:01:04
	0301	0601	0303	0301			2101	0501
	0501		0201				0202	020102
	03		0302		0103		0402	
	03		0303				1901	020102
			0202	0201			1701	020102
			02	0303	0201	0202	1901	1701
010101			0601	0503	020202		0501	
			030201	030101			0501	0402
0102	0104	0103	0601	050301	010301		020102	
01:02:01/01:08	01:01:01/01:01:02/01:04:01:01/01:04:01:02/01:05	05:05:01:01/05:05:01:02/05:05:01:03/05:09/05:11	03:01:01	05:01:01	02:02:02	02:02:02	05:01:01/135:01	31:01
	DQA1*01:02:01:04	DQA1*01:03:01:02	DQB1*06:03:01	DQB1*06:04:01	DPA1*01:03:01:04	DPA1*01:03:01:04	DPB1*04:01:01:01	DPB1*30:01
	01:01:01/01:01:02/01:04:01:01/01:04:01:02/01:05	03:02/03:03:01	02:01:01	05:01:01	01:03:01	02:01:01	03:01:01/104:01	17:01:01/131:01
	DQA1*03:01:01	DQA1*03:02	DQB1*03:02:01	DQB1*03:02:02	DPA1*02:01:01	DPA1*02:01:01	DPB1*27:01	DPB1*27:01
	DQA1*01:02:01:04	DQA1*01:03:01:02	DQB1*06:02:01	DQB1*06:04:01	DPA1*01:03:01:03	DPA1*02:01:01	DPB1*02:01:02	DPB1*106:01
	03		030302	050201	020202		0501	
DRB5*01:01:01*	DQA1*01:02:01:01	DQA1*03:02	DQB1*03:03:02:02	DQB1*06:02:01	DPA1*01:03:01:04	DPA1*02:02:02	DPB1*02:01:02	DPB1*05:01:01
	DQA1*03:01:01	DQA1*03:01:01	DQB1*03:02:01	DQB1*03:02:01	DPA1*02:02:02	DPA1*02:02:02	DPB1*02:01:02	DPB1*02:01:02
	DQA1*01:01:01	DQA1*03:03:01	DQB1*04:01:01	DQB1*05:01:01:02	DPA1*01:03:01:05	DPA1*02:02:02	DPB1*04:02:01:02	DPB1*05:01:01
			060101	030201			0501	0202
			050301	030302			0501	
	0102	0101	0609	050101	0103		0402	030101
			060401	0603			020102	
	0505		030101	030101	010301	020203	0501	040101
	0201	0102	0602	0202	010301	020101	1401	020102
	01:01:01/01:01:02/01:04:01:01/01:04:01:02/01:05	02:01	02:01:01	05:03:01	01:03:01	02:01:01	04:01:01	11:01:01
0202			050201	050101	0103		0401	020102
	0501	0301	0302	0201	0103		0402	0202
			0602	0202			0402	010101
			0501	0301			110101	020102
			0302	0301			0401	020102
010101			0201	0602			1301	020102
DRB5*01:01:01	DQA1*01:02:01:01	DQA1*01:03:01:02	DQB1*06:02:01	DQB1*06:03:01	DPA1*01:03:01:04	DPA1*01:03:01:04	DPB1*04:01:01:01	DPB1*04:01:01:01
			0201	0301			0301	110101
			0402	060101	0202		010101	