



**SCHEME 4A2 - AMBIGUOUS TYPING COMBINATIONS**  
over exons 2 and 3 for HLA Class I and exon 2 for HLA Class II  
please refer to - <http://www.ebi.ac.uk/ipd/imgt/hla/ambig.html>

**SAMPLES 4A2 01-05/2016**

**Sample 4A2 01/16**

Locus	Combination 1 (consensus)	Combination 2	Combination 3	Combination 4	Combination 5	Combination 6	Combination 7	Combination 8	Combination 9	Combination 10	Combination 11	Combination 12	Combination 13	Combination 14	Combination 15
A*	25:01 26:01	A*25:01:06+A*26:01:01G													
B*	38:01 58:01	B*38:20+B*58:16:02	B*38:29+B*58:12												
C*	07:18 12:03	C*07:01:05+C*12:03:10	C*07:01:49+C*12:03:27	C*07:16+C*12:28	C*07:22+C*12:20	C*07:27:01+C*12:81	C*07:92+C*12:147								
DRB1*	13:03 16:01														
DQA1*	01:02 05:05														
DQB1*	03:01 05:02	DQB1*03:73+DQB1*05:05:01													
DPA1*	01:03														
DPB1*	04:01														

**Sample 4A2 02/16**

Locus	Combination 1 (consensus)	Combination 2	Combination 3	Combination 4	Combination 5	Combination 6	Combination 7	Combination 8	Combination 9	Combination 10	Combination 11	Combination 12	Combination 13	Combination 14	Combination 15
A*	02:01 03:01	A*02:20:01+A*03:157:01	A*02:24:01+A*03:17:01	A*02:26+A*03:07	A*02:34+A*03:08	A*02:35:01+A*03:108	A*02:62+A*03:176	A*02:86+A*03:123:01	A*02:90+A*03:09	A*02:95+A*03:241	A*02:195+A*03:23:01	A*02:237+A*03:05:01	A*02:338+A*03:95		
B*	14:02 44:02	B*14:11+B*44:22	B*14:18+B*44:206	B*14:48+B*44:221											
C*	05:01 08:02	C*05:01:02+C*08:02:01G													
DRB1*	07:01														
DQA1*	02:01														
DQB1*	02:02 03:03	DQB1*02:03+DQB1*03:02:01G	DQB1*02:03+DQB1*03:02:03	DQB1*02:31+DQB1*03:112											
DPA1*	01:03														
DPB1*	02:01 04:01	DPB1*04:02:01G+DPB1*33:01	DPB1*23:01:01G+DPB1*81:01	DPB1*51:01+DPB1*71:01											

**Sample 4A2 03/16**

Locus	Combination 1 (consensus)	Combination 2	Combination 3	Combination 4	Combination 5	Combination 6	Combination 7	Combination 8	Combination 9	Combination 10	Combination 11	Combination 12	Combination 13	Combination 14	Combination 15
A*	02:01 25:01	A*02:06:01G+A*25:03	A*02:22:01G+A*25:19:01	A*02:25+A*25:09	A*02:81:01G+A*26:03:01	A*02:90+A*25:11	A*02:101:01+A*25:06	A*02:118+A*25:05	A*02:171:02+A*25:28	A*02:346+A*25:13					
B*	08:01 44:02	B*08:02+B*44:09	B*08:12:01+B*44:211	B*08:23+B*44:206	B*08:47+B*44:176	B*08:50+B*44:49	B*08:60+B*44:41:01	B*08:71+B*44:53	B*08:74+B*44:51	B*08:88+B*44:84:02	B*08:111+B*44:14	B*08:122+B*44:221	B*08:129+B*44:106		
C*	05:01 07:01	C*05:04:01+C*07:28	C*05:11+C*07:176	C*05:23+C*07:141:02	C*05:25+C*07:16	C*05:29:01+C*07:148	C*05:36+C*07:27:01	C*05:43+C*07:26:01	C*05:46+C*07:40	C*05:76+C*07:165	C*05:98+C*07:73	C*07:07+C*08:28	C*07:09+C*08:02:01G		
DRB1*	04:01 15:01	DRB1*04:01:10+DRB1*15:01:24	DRB1*04:01:14+DRB1*15:01:04	DRB1*04:13+DRB1*15:02:01	DRB1*04:35+DRB1*15:07:01	DRB1*04:38+DRB1*15:05	DRB1*04:105:02+DRB1*15:120								
DQA1*	01:02 03:03														
DQB1*	03:01 06:02	DQB1*03:01:02+DQB1*06:02:02	DQB1*03:69+DQB1*06:122	DQB1*03:74+DQB1*06:82	DQB1*03:194+DQB1*06:48										
DPA1*	01:03														
DPB1*	04:01														

**Sample 4A2 04/16**

Locus	Combination 1 (consensus)	Combination 2	Combination 3	Combination 4	Combination 5	Combination 6	Combination 7	Combination 8	Combination 9	Combination 10	Combination 11	Combination 12	Combination 13	Combination 14	Combination 15
A*	11:01 31:01	A*11:116+A*31:06	A*11:181+A*31:41												
B*	44:02 55:01	B*44:03:01G+B*55:56	B*44:12+B*55:40	B*44:206+B*55:31											
C*	03:03 05:01	C*03:03:12+C*05:01:23	C*03:04:01G+C*05:55	C*03:13:01+C*05:10	C*03:18:01+C*05:58:01	C*03:18:02+C*05:58:02	C*03:49+C*05:11	C*03:55+C*05:39	C*03:116:01+C*05:05	C*03:151+C*05:86	C*03:268+C*08:02:01G				
DRB1*	04:01														
DQA1*	03:03														
DQB1*	03:01														
DPA1*	01:03														
DPB1*	04:01														

**Sample 4A2 05/16**

Locus	Combination 1 (consensus)	Combination 2	Combination 3	Combination 4	Combination 5	Combination 6	Combination 7	Combination 8	Combination 9	Combination 10	Combination 11	Combination 12	Combination 13	Combination 14	Combination 15
A*	01:01 25:01	A*01:01:56+A*25:01:09	A*01:43+A*25:03												
B*	07:02 08:01	B*07:02:03+B*08:01:11	B*07:02:14+B*08:01:13	B*07:02:33+B*08:01:21	B*07:02:35+B*08:01:02	B*07:05:01G+B*08:07	B*07:08+B*08:132	B*07:29+B*08:94	B*07:83+B*08:146	B*07:114+B*08:151	B*07:186+B*08:50	B*07:261+B*08:53:01	B*08:79+B*42:16	B*08:156+B*42:01:01	
C*	07:01 07:02	C*07:19+C*07:27:01													
DRB1*	03:01 07:01	DRB1*03:01:20+DRB1*07:01:16	DRB1*03:11:01+DRB1*07:42	DRB1*03:19+DRB1*07:65	DRB1*03:54+DRB1*07:50										
DQA1*	02:01 05:01														
DQB1*	02:01 03:03	DQB1*02:03+DQB1*03:02:01G	DQB1*02:03+DQB1*03:02:03	DQB1*02:31+DQB1*03:112											
DPA1*	01:03														
DPB1*	02:01 04:01	DPB1*04:02:01G+DPB1*33:01	DPB1*23:01:01G+DPB1*81:01	DPB1*51:01+DPB1*71:01											