

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 01-05/2017

Sample 4A2 01/17

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
	02:01	05:05														
A*	02:01		A*02:102+A*02:603													
B*	44:02	44:03	B*44:03:02G+B*44:27:02													
C*	05:05	16:02														
DRB1*	04:02	13:01														
DQA1*	01:03	03:01														
DQB1*	03:02	06:03	DQB1*03:09+DQB1*06:32:01	DQB1*03:23:02+DQB1*06:63												
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 02/17

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
	02:01	11:01														
A*	02:01	11:01	A*02:06:01G+A*11:199:01	A*02:12+A*11:24:02	A*02:20:01+A*11:224	A*02:24:01+A*11:119:01	A*02:27+A*11:31	A*02:34+A*11:19	A*02:45+A*11:70:01	A*02:56:02+A*11:121	A*02:96+A*11:73	A*02:90+A*11:06	A*02:92+A*11:103	A*02:101:01+A*11:04	A*02:226N+A*11:24:01	A*02:346+A*11:12
B*	15:01	44:02	B*15:14+B*44:91	B*15:46+B*44:08	B*15:77+B*44:230	B*15:128+B*44:51	B*15:135+B*44:176	B*15:154+B*44:41:01	B*15:179:02+B*44:146	B*15:183+B*44:34:02	B*15:233+B*44:17	B*15:256+B*44:09	B*15:336+B*44:225	B*15:347+B*44:84:01		
C*	04:01	05:01	C*04:10+C*05:46	C*04:15:02+C*05:64:02	C*04:33+C*05:25	C*04:103+C*05:78	C*04:120+C*05:09:01	C*04:129+C*05:29:01								
DRB1*	01:01	15:01	DRB1*01:06+DRB1*15:122	DRB1*01:15+DRB1*15:66:01	DRB1*01:18+DRB1*15:07:01	DRB1*01:20:01+DRB1*15:02:01	DRB1*01:24:01+DRB1*15:05									
DQA1*	01:01	01:02														
DQB1*	05:01	06:02	DQB1*05:11:02+DQB1*06:79:01	DQB1*05:51+DQB1*06:20	DQB1*05:62+DQB1*06:11:01	DQB1*05:73+DQB1*06:146:02										
DPA1*	01:03	02:01	DPA1*01:06:01+DPA1*02:03													
DPB1*	04:01	09:01	DPB1*10:01:01+DPB1*215:01	DPB1*17:01:01G+DPB1*377:01	DPB1*23:01:01G+DPB1*288:01	DPB1*33:01+DPB1*35:01:01	DPB1*46:01:01+DPB1*125:01	DPB1*66:01+DPB1*234:01	DPB1*96:01+DPB1*150:01	DPB1*124:01+DPB1*1314:01						

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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
	03:01	68:01														
A*	03:01	68:01	A*03:07+A*68:42	A*03:12+A*68:71	A*03:215+A*68:103:01	A*03:05:01+A*68:19	A*03:17:01+A*68:91	A*03:24+A*68:66	A*03:50+A*68:06:02	A*03:123:01+A*68:12						
B*	08:01	40:01	B*08:04+B*40:07	B*08:12:01+B*40:80	B*08:13+B*40:279	B*08:23+B*40:43	B*08:120+B*40:114:01									
C*	03:04	07:01	C*03:08+C*07:27:01	C*03:09+C*07:257:01	C*03:32+C*07:16	C*03:35+C*07:196	C*03:37:02+C*07:20	C*03:38:02+C*07:40	C*03:40:01G+C*07:248	C*03:41:01+C*07:330	C*03:64:02+C*07:263	C*03:92+C*07:212	C*03:162+C*07:304	C*03:309+C*07:165		
DRB1*	03:01	04:01	DRB1*03:05:01+DRB1*04:13	DRB1*03:06+DRB1*04:35	DRB1*03:15+DRB1*04:72:01	DRB1*03:25+DRB1*04:113	DRB1*03:76+DRB1*04:98:02	DRB1*03:111+DRB1*04:64								
DQA1*	03:03	05:01														
DQB1*	02:01	03:01	DQB1*02:03+DQB1*03:04:01	DQB1*02:31+DQB1*03:73	DQB1*02:57+DQB1*03:172											
DPA1*	01:03															
DPB1*	04:01	23:01														

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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
	01:01	03:01														
A*	01:01	03:01	A*01:06+A*03:153	A*01:17+A*03:08	A*01:23+A*03:164	A*01:28+A*03:57	A*01:38+A*03:150	A*01:100+A*03:63	A*01:176+A*03:107	A*01:194+A*03:41	A*01:196+A*03:127	A*03:97+A*36:04				
B*	07:02	08:01	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														
DRB1*	03:01	04:08	DRB1*03:05:01+DRB1*04:04:01	DRB1*03:06+DRB1*04:43	DRB1*03:91+DRB1*04:01:01	DRB1*03:122+DRB1*04:42										
DQA1*	03:03	05:01														
DQB1*	02:01	03:02	DQB1*02:54+DQB1*03:221													
DPA1*	01:03	02:01	DPA1*01:06:01+DPA1*02:03													
DPB1*	02:01	11:01	DPB1*16:01:01+DPB1*531:01	DPB1*71:01+DPB1*204:01	DPB1*109:01+DPB1*147:01	DPB1*189:01+DPB1*370:01										

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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
	01:01	26:01														
A*	01:01 <td>26:01</td> <td>A*01:23+A*26:62</td> <td>A*01:51+A*26:72</td> <td>A*01:69:01+A*26:120</td> <td>A*26:49+A*36:04</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	26:01	A*01:23+A*26:62	A*01:51+A*26:72	A*01:69:01+A*26:120	A*26:49+A*36:04										
B*	08:01	40:01	B*08:04+B*40:07	B*08:12:01+B*40:80	B*08:13+B*40:279	B*08:23+B*40:43	B*08:120+B*40:114:01									
C*	03:04	07:01	C*03:08+C*07:27:01	C*03:09+C*07:257:01	C*03:32+C*07:16	C*03:35+C*07:196	C*03:37:02+C*07:20	C*03:38:02+C*07:40	C*03:40:01G+C*07:248	C*03:41:01+C*07:330	C*03:64:02+C*07:263	C*03:92+C*07:212	C*03:162+C*07:304	C*03:309+C*07:165		
DRB1*	03:01	04:04	DRB1*03:06+DRB1*04:42	DRB1*03:91+DRB1*04:13												
DQA1*	03:01	05:01														
DQB1*	02:01	03:02	DQB1*02:54+DQB1*03:221													
DPA1*	01:03															
DPB1*	04:01															