

SCHEME 4A1 – CLASS I & II DNA HLA TYPING AT 1ST FIELD RESOLUTION

METHODOLOGY

SAMPLES 4A1 06 - 10/2014 DESPATCHED ON 10TH JUNE 2014

Lab No.	Date received	Date tested	Method used	HLA-A	HLA-B	HLA-C	DRB1	DRB3,4,5	DOA1	DOB1	DPA1	Source of Primers and Probes			Detection method	Comments	
												Commercial Kits	Own Design	Other			
6	11-Jun	11-Jun	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes		One Lambda	Fluorescence		
9	11-Jun	12-Jun	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes	Yes		Gel		
11	09-Jun	27-Jun	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes	Yes		Gel		
12	11-Jun	16-Jun	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	Yes		One Lambda	Fluorescence		
14	11-Jun	18-Jun	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	LUM	SSP/LUM	LUM	Yes	Yes	ReadyGene/One Lambda	Gel		
15	11-Jun	20-Jun	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes	Yes	Biorad/Olerup	Gel		
16	11-Jun	25-Jun	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	Yes	Yes	Inntrain/Immucor	Gel		
19	11-Jun	12-Jun	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	LUM	SSP/LUM	LUM	Yes	Yes	Genprobe	Gel/Fluorescence		
20	11-Jun	17-Jun	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes	Yes		Gel		
23	11-Jun	11-Jun	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	LUM	SSP/LUM	LUM	Yes	Yes	One Lambda	Gel/Fluorescence		
24	13-Jun	23-Jun	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	Yes		Immucor	Fluorescence		
25	12-Jun	16-Jun	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes		ReadyGene/Immucor	Gel/Fluorescence		
26	11-Jun	30-Jun	SSP/SSOP	SSP/SSOP	SSP/SSOP	SSP/SSOP	SSP/SSOP	SSP/SSOP	SSP/SSOP	SSP/SSOP	SSP/SSOP	Yes	Yes	VH Bio/Biorad	Gel/Fluorescence		
28	11-Jun	07-Jul	SSP/SSOP	SSP/SSOP	SSP/SSOP	SSP/SSOP	SSP/SSOP	SSP/SSOP	SSP/SSOP	SSP/SSOP	SSP	Yes	Yes	Life Technologies/BAG Healthcare/One Lambda	Gel/Fluorescence		
29	12-Jun	09-Jul	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	Yes	Yes	Olerup SSP, BAG SSOP	Gel/Reverse Dot Blot Assay		
34	11-Jun	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	LUM	SSP/LUM	LUM	Yes	Yes	Inntrain/One Lambda	Gel		
35	12-Jun	26-Jun	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	LUM	SSP/LUM	LUM	Yes					
38	11-Jun	02-Jul	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	LUM	Yes		BAG Healthcare/One Lambda	Gel/Fluorescence		
39	12-Jun	26-Jun	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes		Invitrogen	Gel		
41	11-Jun	30-Jun	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes		One Lambda	Fluorescence		
42	11-Jun	12-Jun	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes		One Lambda	Gel/Fluorescence		
45	11-Jun	16-Jun	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes	Yes		Gel		
48	12-Jun	08-Jul	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes	Yes	Life Technologies	Gel		
51	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes		Immucor			
54	11-Jun	26-Jun	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	LUM	SSP/LUM	LUM	Yes		Lifetech Aitsel/Immucor Lifecodes	Gel/Fluorescence		
58	11-Jun	18-Jun	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes		One Lambda	Fluorescence		
62	11-Jun	26-Jun	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes		One Lambda	Fluorescence		
69	11-Jun	19-Jun	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes					
78	11-Jun	19-Jun	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes		Rose	Gel		
86	16-Jun	02-Jul	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes		Lifecodes	Fluorescence		
100	11-Jun	18-Jun	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes		Lifecodes/Immucor	Fluorescence		
103	11-Jun	19-Jun	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes			Fluorescence		
108	13-Jun	18-Jun	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes		Olerup SSP	Gel		
109	12-Jun	30-Jun	SSOP/LUM	SSP/SSOP/LUM	SSP/SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	Yes			Fluorescence/QIAxcell		
112	12-Jun	03-Jul	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes		Biorad	Gel		
115	12-Jun	13-Jun	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes		Olerup SSP	Gel		
119	16-Jun	02-Jul	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	LUM	SSP/LUM	LUM	Yes		Biorad/Invitrogen/One Lambda	Gel/Fluorescence		
123	11-Jun	30-Jun	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes		One Lambda	Gel		
124	11-Jun	19-Jun	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes		Olerup	Gel		
127	12-Jun	19-Jun	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes		One Lambda	Fluorescence		
128	13-Jun	13-Jun	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes		One Lambda			
130	11-Jun	02-Jul	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	LUM	SSP/LUM	LUM	Yes		Olerup/One Lambda	Gel/Fluorescence		
132	11-Jun	02-Jul	SSP/SSOP/LUM	SSP/SSOP/LUM	SSP/SSOP/LUM	SSP/SSOP/LUM	SSP/SSOP/LUM	SSP/SSOP/LUM	SSP/SSOP/LUM	SSP/SSOP/LUM	SSP/SSOP/LUM	Yes		Immucor/Olerup	Gel/Luminex		
133	12-Jun	18-Jun	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes		Gen-Probe	Fluorescence		
141	11-Jun	02-Jul	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes		Immucor/Olerup	Gel		
142	12-Jun	19-Jun	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	Yes		Ingen	Fluorescence		
156	16-Jun	17-Jun	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	LUM	SSP/LUM	LUM	Yes	Yes	Olerup/Genprobe/Immucor	Gel/QIAxcell		
158	13-Jun	01-Jul	SPT/LUM	SPT/LUM	SPT/LUM	SPT/LUM	SPT/LUM	SPT/LUM	LUM	SPT/LUM	LUM	Yes		Olerup/One Lambda	Gel/Fluorescence		
159	12-Jun	27-Jun	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes		Olerup	Gel		
172	12-Jun	18-Jun	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes		Olerup	Gel		
183	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Unable to perform tests due to reagent shortage
185	13-Jun	17-Jun	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	Yes		Immucor	Fluorescence		
187	13-Jun	14-Jun	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	Yes		Invitrogen	Gel		
189	10-Jun	12-Jun	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes		Immucor	Fluorescence		
190	11-Jun	12-Jun	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes		Invitrogen/One Lambda	Gel		
191	11-Jun	13-Jun	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	Yes		One Lambda	Fluorescence		
195	10-Jun	17-Jun	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes		One Lambda	Fluorescence		
197	12-Jun	24-Jun	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes		One Lambda			
205	11-Jun	17-Jun	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes			Gel		
207	12-Jun	18-Jun	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes		Protrans/Olerup SSP/Invitrogen	Gel		
210	13-Jun	16-Jun	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes		Immucor	Fluorescence		
211	12-Jun	23-Jun	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	Yes		Genprobe	Fluorescence		
212	12-Jun	24-Jun	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes		Immucor	Fluorescence		
213	13-Jun	17-Jul	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes		Lifecodes	Fluorescence		
214	13-Jun	18-Jun	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes		Immucor	Fluorescence		
215	11-Jun	12-Jun	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes					
216	12-Jun	24-Jun	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes		One Lambda			
217	June	July	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	Yes		SSO Tepnel life match	Luminex SSO		
222	30-Jun	07-Mar	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes		Invitrogen	Gel		
223	12-Jun	19-Jun	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes		Olerup	Gel		
225	16-Jun	26-Jun	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes		Olerup	Gel		
229	12-Jun	13-Jun	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes		Immucor	Fluorescence		
230	11-Jun	18-Jun	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes			Fluorescence		
231	12-Jun	15-Jun	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes		Genprobe	Other		
232	12-Jun	24-Jun	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes			Gel/Fluorescence		
239	12-Jun	17-Jun	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes		QIAgen	Gel		
240	10-Jun	17-Jun	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes		Genprobe-life (Tepnel)	Fluorescence		
241	13-Jun	20-Jun	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes			Fluorescence		
244	12-Jun	15-Jun	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	Yes			Gel/Fluorescence		
244	11-Jun	04-Jul	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes		Olerup/Invitrogen	Gel		
245	11-Jun	11-Jun	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	Yes		Olerup/Invitrogen/One Lambda	Gel/Fluorescence		
248	12-Jun	10-Jul	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes		Olerup/Life codes	Gel/Fluorescence		
252	12-Jun	17-Jun	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes		Olerup SSP	Fluorescence		
254	11-Jun	17-Jun	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes			Fluorescence		
258	17-Jun	23-Jun	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	Yes		Tepnel life codes	Fluorescence		
259	12-Jun	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	Yes		Immucor Gamma/Lifecodes	Fluorescence		
260	12-Jun	19-Jun	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes		Olerup SSP	Gel		
264	16-Jun	17-Jun	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes		Gen-Probe life tech (Tepnel)	Fluorescence		
265	10-Jun	09-Jul	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes			Gel		
268	16-Jun	01-Jul	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	Yes		Olerup/One Lambda	Gel		
273	11-Jun	19-Jun	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	LUM	SSP/LUM	SSP/LUM	Yes		LABType	Gel/Fluorescence		
300	12-Jun	25-Jun	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes		Olerup	Gel/Fluorescence		
301	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes					
302	13-Jun	19-Jun	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes		Genprobe	Fluorescence		
304	12-Jun	16-Jun	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes		Ingen	Fluorescence		

\* Methods used  
SSP = PCR-SSP  
SSOP = PCR-SSOP  
revSSOP = reverse SSOP  
LUM = Luminex

SCHEME 4A1 – CLASS I DNA HLA TYPING AT 1ST FIELD RESOLUTION

RESULTS OF PARTICIPATING LABORATORIES

SAMPLE 4A1 06/2014 DESPATCHED ON 10TH JUNE 2014

Lab No.	A* res	B* res	C* res	A*	A*	B*	B*	C*	C*	Comment
6	1st field	1st field	1st field	24	29	44	51	15	16	
9	1st field	1st field	1st field	24	29	44	51	15	16	
11	1st field	1st field	1st field	24	29	44	51	15	16	
12	1st field	1st field	1st field	24	29	44	51	15	16	
14	1st field	1st field	1st field	24	29	44	51	15	16	
15	1st field	1st field	1st field	24	29	44	51	15	16	
16	1st field	1st field	1st field	24	29	44	51	15	16	
19	1st field	1st field	1st field	24	29	44	51	15	16	
20	1st field	1st field	1st field	24	29	44	51	15	16	
23	1st field	1st field	1st field	24	29	44	51	15	16	
24	1st field	1st field	1st field	24	29	44	51	15	16	
25	1st field	1st field	1st field	24	29	44	51	15	16	
26	1st field	1st field	1st field	24	29	44	51	15	16	
28	1st field	1st field	1st field	24:02/02L-246	29:02/06-54	44:03/13-180	51:01/03-154	15:02/07-68	16:01/02-59	
29	1st field	1st field	1st field	24	29	44	51	15	16	
34	1st field	1st field	1st field	24	29	44	51	15	16	
35	1st field	1st field	1st field	24	29	44	51	15	16	
38	1st field	1st field	1st field	24	29	44	51	15	16	
39	1st field	1st field	1st field	24	29	44	51	15	16	
41	1st field	1st field	1st field	24	29	44	51	15	16	
42	1st field	1st field	1st field	24	29	44	51	15	16	
45	1st field	1st field	1st field	24	29	44	51	15	16	
48	1st field	1st field	1st field	24	29	44	51	15	16	
51	1st field	1st field	1st field	24	29	44	51	15	16	
54	1st field	1st field	1st field	24	29	44	51	15	16	
58	1st field	1st field	1st field	24	29	44	51	15	16	
62	1st field	1st field	1st field	24	29	44	51	15	16	
69	1st field	1st field	1st field	24	29	44	51	15	16	
78	1st field	1st field	1st field	24	29	44	51	15	16	
86	1st field	1st field	1st field	24	29	44	51	15	16	
100	1st field	1st field	1st field	24	29	44	51	15	16	
103	1st field	1st field	1st field	24	29	44	51	15	16	
108	1st field	1st field	1st field	24	29	44	51	15	16	
109	1st field	1st field	1st field	24	29	44	51	15	16	
112	1st field	1st field	1st field	24	29	44	51	15	16	
115	1st field	1st field	1st field	24	29	44	51	15	16	
119	1st field	1st field	1st field	24	29	44	51	15	16	
123	1st field	1st field	1st field	24	29	44	51	15	16	
124	1st field	1st field	1st field	24	29	44	51	15	16	
127	1st field	1st field	1st field	24	29	44	51	15	16	
128	1st field	1st field	1st field	24	29	44	51	15	16	
130	1st field	1st field	1st field	24	29	44	51	15	16	
132	1st field	1st field	1st field	24	29	44	51	15	16	
133	1st field	1st field	1st field	24	29	44	51	15	16	
141	1st field	1st field	1st field	24	29	44	51	15	16	
142	1st field	1st field	1st field	24	29	44	51	15	16	
155	1st field	1st field	1st field	24	29	44	51	15	16	
156	1st field	1st field	1st field	24	29	44	51	15	16	
159	1st field	1st field	1st field	24	29	44	51	15	16	
172	1st field	1st field	1st field	24	29	44	51	15	16	
183	1st field	1st field	1st field	NT	NT	NT	NT	NT	NT	
185	1st field	1st field	1st field	24	29	44	51	15	16	
187	1st field	1st field	1st field	24	29	44	51	15	16	
189	1st field	1st field	1st field	24	29	44	51	15	16	
190	1st field	1st field	1st field	24	29	44	51	15	16	
191	1st field	1st field	1st field	24	29	44	51	15	16	
195	1st field	1st field	1st field	24	29	44	51	15	16	
197	1st field	1st field	1st field	24	29	44	51	15	16	
205	1st field	1st field	1st field	24	29	44	51	15	16	
207	1st field	1st field	1st field	24	29	44	51	15	16	
210	1st field	1st field	1st field	24	29	44	51	15	16	
211	1st field	1st field	1st field	24	29	44	51	15	16	
212	1st field	1st field	1st field	24	29	44	51	15	16	
213	1st field	1st field	1st field	24	29	44	51	15	16	
214	1st field	1st field	1st field	24	29	44	51	15	16	
215	1st field	1st field	1st field	24	29	44	51	15	16	
216	1st field	1st field	1st field	24	29	44	51	15	16	
217	1st field	1st field	1st field	24	29	44	51	15	16	
222	1st field	1st field	1st field	24	29	44	51	15	16	
223	1st field	1st field	1st field	24	29	44	51	15	16	
225	1st field	1st field	1st field	24	29	44	51	15	16	
229	1st field	1st field	1st field	24	29	44	51	15	16	
230	1st field	1st field	1st field	24	29	44	51	15	16	
231	1st field	1st field	1st field	24	29	44	51	15	16	
232	1st field	1st field	1st field	24	29	44	51	15	16	
239	1st field	1st field	1st field	24	29	44	51	15	16	
240	1st field	1st field	1st field	24	29	44	51	15	16	
241	1st field	1st field	1st field	24	29	44	51	15	16	
242	1st field	1st field	1st field	24	29	44	51	15	16	
244	1st field	1st field	1st field	24	29	44	51	15	16	
245	1st field	1st field	1st field	24	29	44	51	15	16	
248	1st field	1st field	1st field	24	29	44	51	15	16	
252	1st field	1st field	1st field	24	29	44	51	15	16	
254	1st field	1st field	1st field	24	29	44	51	15	16	
258	1st field	1st field	1st field	24	29	44	51	15	16	
259	1st field	1st field	1st field	24	29	44	51	15	16	
260	1st field	1st field	1st field	24	29	44	51	15	16	
264	1st field	1st field	1st field	24	29	44	51	15	16	
266	1st field	1st field	1st field	24	29	44	51	15	16	
268	1st field	1st field	1st field	24	29	44	51	15	16	
273	1st field	1st field	1st field	24	29	44	51	15	16	
300	1st field	1st field	1st field	24	29	44	51	15	16	
301	1st field	1st field	1st field	24	29	44	51	15	16	
302	1st field	1st field	1st field	24	29	44	51	15	16	
304	1st field	1st field	1st field	24	29	44	51	15	16	

SCHEME 4A1 – CLASS I DNA HLA TYPING AT 1ST FIELD RESOLUTION

RESULTS OF PARTICIPATING LABORATORIES

SAMPLE 4A1 07/2014 DESPATCHED ON 10TH JUNE 2014

Lab No.	A* res	B* res	C* res	A*	A*	B*	B*	C*	C*	Comment
6	1st field	1st field	1st field	02	03	40	58	03	07	
9	1st field	1st field	1st field	02	03	40	58	03	07	
11	1st field	1st field	1st field	02	03	40	58	03	07	
12	1st field	1st field	1st field	02	03	40	58	03	07	
14	1st field	1st field	1st field	02	03	40:01/22N/54/55/62	58	03:04/06/09/19/23	07	
15	1st field	1st field	1st field	02	03	40:01/07/10	58	03:04/05/06/07	07	
16	1st field	1st field	1st field	02	03	40	58	03	07	
19	1st field	1st field	1st field	02	03	40	58	03	07	
20	1st field	1st field	1st field	02	03	40	58	03	07	
23	1st field	1st field	1st field	02	03	40	58	03	07	
24	1st field	1st field	1st field	02	03	40	58	03	07	
25	1st field	1st field	1st field	02	03	40	58	03	07	
26	1st field	1st field	1st field	02	03	40	58	03	07	
28	1st field	1st field	1st field	02:01/02-438	03:01/01N-174	40:01/22N-239	58:01/10N-45	03:04/06-193	07:01/02-314	
29	1st field	1st field	1st field	02	03	40	58	03	07	
34	1st field	1st field	1st field	02	03	40	58	03	07	
35	1st field	1st field	1st field	02	03	40	58	03	07	
38	1st field	1st field	1st field	02	03	40	58	03	07	
39	1st field	1st field	1st field	02	03	40	58	03	07	
41	1st field	1st field	1st field	02	03	40:01	58	03:02/04	07	
42	1st field	1st field	1st field	02	03	40	58	03	07	
45	1st field	1st field	1st field	02	03	40	58	03	07	
48	1st field	1st field	1st field	02	03	40	58	03	07	
51	1st field	1st field	1st field	02	03	40	58	03	07	
54	1st field	1st field	1st field	02	03	40	58	03	07	
58	1st field	1st field	1st field	02	03	40	58	03	07	
62	1st field	1st field	1st field	02	03	40	58	03	07	
69	1st field	1st field	1st field	02	03	40	58	03	07	
78	1st field	1st field	1st field	02	03	40	58	03	07	
86	1st field	1st field	1st field	02	03	40	58	03	07	
100	1st field	1st field	1st field	02	03	40	58	03	07	
103	1st field	1st field	1st field	02	03	40	58	03	07	
108	1st field	1st field	1st field	02	03	40	58	03	07	
109	1st field	1st field	1st field	02	03	40	58	03	07	
112	1st field	1st field	1st field	02	03	40	58	03	07	
115	1st field	1st field	1st field	02	03	40	58	03	07	
119	1st field	1st field	1st field	02	03	40	58	03	07	
123	1st field	1st field	1st field	02	03	40	58	03	07	
124	1st field	1st field	1st field	02	03	40	58	03	07	
127	1st field	1st field	1st field	02	03	40	58	03	07	
128	1st field	1st field	1st field	02	03	40	58	03	07	
130	1st field	1st field	1st field	02	03	40	58	03	07	
132	1st field	1st field	1st field	02	03	40	58	03	07	
133	1st field	1st field	1st field	02	03	40	58	03	07	
141	1st field	1st field	1st field	02	03	40	58	03	07	
142	1st field	1st field	1st field	02	03	40	58	03	07	
155	1st field	1st field	1st field	02	03	40	58	03	07	
156	1st field	1st field	1st field	02	03	40	58	03	07	
159	1st field	1st field	1st field	02	03	40	58	03	07	
172	1st field	1st field	1st field	02	03	40	58	03	07	
183	1st field	1st field	1st field	NT	NT	NT	NT	NT	NT	
185	1st field	1st field	1st field	02	03	40	58	03	07	
187	1st field	1st field	1st field	02	03	40	58	03	07	
189	1st field	1st field	1st field	02	03	40	58	03	07	
190	1st field	1st field	1st field	02	03	40	58	03	07	
191	1st field	1st field	1st field	02	03	40	58	03	07	
195	1st field	1st field	1st field	02	03	40	58	03	07	
197	1st field	1st field	1st field	02	03	40	58	03	07	
205	1st field	1st field	1st field	02	03	40	58	03	07	
207	1st field	1st field	1st field	02	03	40	58	03	07	
210	1st field	1st field	1st field	02	03	40	58	03	07	
211	1st field	1st field	1st field	02	03	40	58	03	07	
212	1st field	1st field	1st field	02	03	40	58	03	07	
213	1st field	1st field	1st field	02	03	40	58	03	07	
214	1st field	1st field	1st field	02	03	40	58	03	07	
215	1st field	1st field	1st field	02	03	40	58	03	07	
216	1st field	1st field	1st field	02	03	40	58	03	07	
217	1st field	1st field	1st field	02	03	40	58	03	07	
222	1st field	1st field	1st field	02	03	40	58	03	07	
223	1st field	1st field	1st field	02	03	40	58	03	07	
225	1st field	1st field	1st field	02	03	40	58	03	07	
229	1st field	1st field	1st field	02	03	40	58	03	07	
230	1st field	1st field	1st field	02	03	40	58	03	07	
231	1st field	1st field	1st field	02	03	40	58	03	07	
232	1st field	1st field	1st field	02	03	40	58	03	07	
239	1st field	1st field	1st field	02	03	40	58	03	07	
240	1st field	1st field	1st field	02	03	40	58	03	07	
241	1st field	1st field	1st field	02	03	40	58	03	07	
242	1st field	1st field	1st field	02	03	40	58	03	07	
244	1st field	1st field	1st field	02	03	40	58	03	07	
245	1st field	1st field	1st field	02	03	40	58	03	07	
248	1st field	1st field	1st field	02	03	40	58	03	07	
252	1st field	1st field	1st field	02	03	40	58	03	07	
254	1st field	1st field	1st field	02	03	40	58	03	07	
258	1st field	1st field	1st field	02	03	40	58	03	07	
259	1st field	1st field	1st field	02	03	40	58	03	07	
260	1st field	1st field	1st field	02	03	40	58	03	07	
264	1st field	1st field	1st field	02	03	40	58	03	07	
266	1st field	1st field	1st field	02	03	40	58	03	07	
268	1st field	1st field	1st field	02	03	40	58	03	07	
273	1st field	1st field	1st field	02	03	40	58	03	07	
300	1st field	1st field	1st field	02	03	40	58	03	07	
301	1st field	1st field	1st field	02	03	40	58	03	07	
302	1st field	1st field	1st field	02	03	40	58	03	07	
304	1st field	1st field	1st field	02	03	40	58	03	07	



SCHEME 4A1 – CLASS I DNA HLA TYPING AT 1ST FIELD RESOLUTION

RESULTS OF PARTICIPATING LABORATORIES

SAMPLE 4A1 09/2014 DESPATCHED ON 10TH JUNE 2014

Lab No.	A* res	B* res	C* res	A*	A*	B*	B*	C*	C*	Comment
6	1st field	1st field	1st field	01	03	07	08	07	07	
9	1st field	1st field	1st field	01	03	07	08	07	07	
11	1st field	1st field	1st field	01	03	07	08	07	07	
12	1st field	1st field	1st field	01	03	07	08	07	07	
14	1st field	1st field	1st field	01	03	07	08	07	07	
15	1st field	1st field	1st field	01	03	07	08	07	07	
16	1st field	1st field	1st field	01	03	07	08	07	07	
19	1st field	1st field	1st field	01	03	07	08	07	07	
20	1st field	1st field	1st field	01	03	07	08	07	07	
23	1st field	1st field	1st field	01	03	07	08	07	07	
24	1st field	1st field	1st field	01	03	07	08	07	07	
25	1st field	1st field	1st field	01	03	07	08	07	07	
26	1st field	1st field	1st field	01	03	07	08	07	07	
28	1st field	1st field	1st field	01:01/02-138	03:01/01N-174	07:02/03-198	08:01/05-111	07:01/02-314		
29	1st field	1st field	1st field	01	03	07	08	07	07	
34	1st field	1st field	1st field	01	03	07	08	07	07	
35	1st field	1st field	1st field	01	03	07	08	07:01/06/18/19/52/103 /153/166/301/303/310/ 311/313	07:02/27/50/66/74/159 /160/167/195/245/305/ 306/308/312	
38	1st field	1st field	1st field	01	03	07	08	07	07	
39	1st field	1st field	1st field	01	03	07	08	07	07	
41	1st field	1st field	1st field	01	03	07	08	07	07	
42	1st field	1st field	1st field	01	03	07	08	07	07	
45	1st field	1st field	1st field	01	03	07	08	07	07	
48	1st field	1st field	1st field	01	03	07	08	07	07	
51	1st field	1st field	1st field	01	03	07	08	07	07	
54	1st field	1st field	1st field	01	03	07	08	07	07	
58	1st field	1st field	1st field	01	03	07	08	07	07	
62	1st field	1st field	1st field	01	03	07	08	07	07	
69	1st field	1st field	1st field	01	03	07	08	07	07	
78	1st field	1st field	1st field	01	03	07	08	07	07	
86	1st field	1st field	1st field	01	03	07	08	07	07	
100	1st field	1st field	1st field	01	03	07	08	07	07	
103	1st field	1st field	1st field	01	03	07 or 42	08	07	07	
108	1st field	1st field	1st field	01	03	07	08	07	07	
109	1st field	1st field	1st field	01	03	07	08	07	07	
112	1st field	1st field	1st field	01	03	07	08	07	07	
115	1st field	1st field	1st field	01	03	07	08	07	07	
119	1st field	1st field	1st field	01	03	07	08	07	07	
123	1st field	1st field	1st field	01	03	07	08	07	07	
124	1st field	1st field	1st field	01	03	07	08	07	07	
127	1st field	1st field	1st field	01	03	07	08	07	07	
128	1st field	1st field	1st field	01	03	07	08	07	07	
130	1st field	1st field	1st field	01	03	07	08	07	07	
132	1st field	1st field	1st field	01	03	07	08	07	07	
133	1st field	1st field	1st field	01	03	07	08	07	07	
141	1st field	1st field	1st field	01	03	07	08	07	07	
142	1st field	1st field	1st field	01	03	07	08	07	07	
155	1st field	1st field	1st field	01	03	07	08	07	07	
156	1st field	1st field	1st field	01	03	07	08	07	07	
159	1st field	1st field	1st field	01	03	07	08	07	07	
172	1st field	1st field	1st field	01	03	07	08	07	07	
183	1st field	1st field	1st field	NT	NT	NT	NT	NT	NT	
185	1st field	1st field	1st field	01	03	07	08	07	07	
187	1st field	1st field	1st field	01	03	07	08	07	07	
189	1st field	1st field	1st field	01	03	07	08	07	07	
190	1st field	1st field	1st field	01	03	07	08	07	07	
191	1st field	1st field	1st field	01	03	07	08	07	07	
195	1st field	1st field	1st field	01	03	07	08	07	07	
197	1st field	1st field	1st field	01	03	07	08	07	07	
205	1st field	1st field	1st field	01	03	07	08	07	07	
207	1st field	1st field	1st field	01	03	07	08	07	07	
210	1st field	1st field	1st field	01	03	07	08	07	07	
211	1st field	1st field	1st field	01	03	07	08	07	07	
212	1st field	1st field	1st field	01	03	07	08	07	07	
213	1st field	1st field	1st field	01	03	07	08	07	07	
214	1st field	1st field	1st field	01	03	07	08	07	07	
215	1st field	1st field	1st field	01	03	07	08	07	07	
216	1st field	1st field	1st field	01	03	07	08	07	07	
217	1st field	1st field	1st field	01	03	07	08	07	07	
222	1st field	1st field	1st field	01	03	07	08	07	07	
223	1st field	1st field	1st field	01	03	07	08	07	07	
225	1st field	1st field	1st field	01	03	07	08	07	07	
229	1st field	1st field	1st field	01	03	07	08	07	07	
230	1st field	1st field	1st field	01	03	07	08	07	07	
231	1st field	1st field	1st field	01	03	07	08	07	07	
232	1st field	1st field	1st field	01	03	07	08	07	07	
239	1st field	1st field	1st field	01	03	07	08	07	07	
240	1st field	1st field	1st field	01	03	07	08	07	07	
241	1st field	1st field	1st field	01	03	07	08	07	07	
242	1st field	1st field	1st field	01	03	07	08	07	07	
244	1st field	1st field	1st field	01	03	07	08	07	07	
245	1st field	1st field	1st field	01	03	07	08	07	07	
248	1st field	1st field	1st field	01	03	07	08	07	07	
252	1st field	1st field	1st field	01	03	07	08	07	07	
254	1st field	1st field	1st field	01	03	07	08	07	07	
258	1st field	1st field	1st field	01	03	07	08	07	07	
259	1st field	1st field	1st field	01	03	07	08	07	07	
260	1st field	1st field	1st field	01	03	07	08	07	07	
264	1st field	1st field	1st field	01	03	07	08	07	07	
266	1st field	1st field	1st field	01	03	07	08	07	07	
268	1st field	1st field	1st field	01	03	07	08	07	07	
273	1st field	1st field	1st field	01	03	07	08	07	07	
300	1st field	1st field	1st field	01	03	07	08	07	07	
301	1st field	1st field	1st field	01	03	07	08	07	07	
302	1st field	1st field	1st field	01	03	07	08	07	07	
304	1st field	1st field	1st field	01	03	07	08	07	07	

SCHEME 4A1 – CLASS I DNA HLA TYPING AT 1ST FIELD RESOLUTION

RESULTS OF PARTICIPATING LABORATORIES

SAMPLE 4A1 10/2014 DESPATCHED ON 10TH JUNE 2014

Lab No.	A* res	B* res	C* res	A*	A*	B*	B*	C*	C*	Comment
6	1st field	1st field	1st field	03	68	35	44	04	05	
9	1st field	1st field	1st field	03	68	35	44	04	05	
11	1st field	1st field	1st field	03	68	35	44	04	05	
12	1st field	1st field	1st field	03	68	35	44	04	05	
14	1st field	1st field	1st field	03	68	35	44	04	05	
15	1st field	1st field	1st field	03	68	35	44	04	05	
16	1st field	1st field	1st field	03	68	35	44	04	05	
19	1st field	1st field	1st field	03	68	35	44	04	05	
20	1st field	1st field	1st field	03	68	35	44	04	05	
23	1st field	1st field	1st field	03	68	35	44	04	05	
24	1st field	1st field	1st field	03	68	35	44	04	05	
25	1st field	1st field	1st field	03	68	35	44	04	05	
26	1st field	1st field	1st field	03	68	35	44	04	05	
28	1st field	1st field	1st field	03:01/01N-174	68:01/02-101	35:01/02-233	44:02/03-181	04:01/03-152	05:01/03-94	
29	1st field	1st field	1st field	03	68	35	44	04	05	
34	1st field	1st field	1st field	03	68	35	44	04	05	
35	1st field	1st field	1st field	03	68	35	44	04	05	
38	1st field	1st field	1st field	03	68	35	44	04	05	
39	1st field	1st field	1st field	03	68	35	44	04	05	
41	1st field	1st field	1st field	03	68	35	44	04	05	
42	1st field	1st field	1st field	03	68	35	44	04	05	
45	1st field	1st field	1st field	03	68	35	44	04	05	
48	1st field	1st field	1st field	03	68	35	44	04	05	
51	1st field	1st field	1st field	03	68	35	44	04	05	
54	1st field	1st field	1st field	03	68	35	44	04	05	
58	1st field	1st field	1st field	03	68	35	44	04	05	
62	1st field	1st field	1st field	03	68	35	44	04	05	
69	1st field	1st field	1st field	03	68	35	44	04	05	
78	1st field	1st field	1st field	03	68	35	44	04	05	
86	1st field	1st field	1st field	03	68	35	44	04	05	
100	1st field	1st field	1st field	03	68	35	44	04	05	
103	1st field	1st field	1st field	03	68	35	44	04	05	
108	1st field	1st field	1st field	03	68	35	44	04	05	
109	1st field	1st field	1st field	03	68	35	44	04	05	
112	1st field	1st field	1st field	03	68	35	44	04	05	
115	1st field	1st field	1st field	03	68	35	44	04	05	
119	1st field	1st field	1st field	03	68	35	44	04	05	
123	1st field	1st field	1st field	03	68	35	44	04	05	
124	1st field	1st field	1st field	03	68	35	44	04	05	
127	1st field	1st field	1st field	03	68	35	44	04	05	
128	1st field	1st field	1st field	03	68	35	44	04	05	
130	1st field	1st field	1st field	03	68	35	44	04	05	
132	1st field	1st field	1st field	03	68	35	44	04	05	
133	1st field	1st field	1st field	03	68	35	44	04	05	
141	1st field	1st field	1st field	03	68	35	44	04	05	
142	1st field	1st field	1st field	03	68	35	44	04	05	
155	1st field	1st field	1st field	03	68	35	44	04	05	
156	1st field	1st field	1st field	03	68	35	44	04	05	
159	1st field	1st field	1st field	03	68	35	44	04	05	
172	1st field	1st field	1st field	03	68	35	44	04	05	
183	1st field	1st field	1st field	NT	NT	NT	NT	NT	NT	
185	1st field	1st field	1st field	03	68	35	44	04	05	
187	1st field	1st field	1st field	03	68	35	44	04	05	
189	1st field	1st field	1st field	03	68	35	44	04	05	
190	1st field	1st field	1st field	03	68	35	44	04	05	
191	1st field	1st field	1st field	03	68	35	44	04	05	
195	1st field	1st field	1st field	03	68	35	44	04	05	
197	1st field	1st field	1st field	03	68	35	44	04	05	
205	1st field	1st field	1st field	03	68	35	44	04	05	
207	1st field	1st field	1st field	03	68	35	44	04	05	
210	1st field	1st field	1st field	03	68	35	44	04	05	
211	1st field	1st field	1st field	03	68	35	44	04	05	
212	1st field	1st field	1st field	03	68	35	44	04	05	
213	1st field	1st field	1st field	03	68	35	44	04	05	
214	1st field	1st field	1st field	03	68	35	44	04	05	
215	1st field	1st field	1st field	03	68	35	44	04	05	
216	1st field	1st field	1st field	03	68	35	44	04	05	
217	1st field	1st field	1st field	03	68	35	44	04	05	
222	1st field	1st field	1st field	03	68	35	44	04	05	
223	1st field	1st field	1st field	03	68	35	44	04	05	
225	1st field	1st field	1st field	03	68	35	44	04	05	
229	1st field	1st field	1st field	03	68	35	44	04	05	
230	1st field	1st field	1st field	03	68	35	44	04	05	
231	1st field	1st field	1st field	03	68	35	44	04	05	
232	1st field	1st field	1st field	03	68	35	44	04	05	
239	1st field	1st field	1st field	03	68	35	44	04	05	
240	1st field	1st field	1st field	03	68	35	44	04	05	
241	1st field	1st field	1st field	03	68	35	44	04	05	
242	1st field	1st field	1st field	03	68	35	44	04	05	
244	1st field	1st field	1st field	03	68	35	44	04	05	
245	1st field	1st field	1st field	03	68	35	44	04	05	
248	1st field	1st field	1st field	03	68	35	44	04	05	
252	1st field	1st field	1st field	03	68	35	44	04	05	
254	1st field	1st field	1st field	03	68	35	44	04	05	
258	1st field	1st field	1st field	03	68	35	44	04	05	
259	1st field	1st field	1st field	03	68	35	44	04	05	
260	1st field	1st field	1st field	03	68	35	44	04	05	
264	1st field	1st field	1st field	03	68	35	44	04	05	
266	1st field	1st field	1st field	03	68	35	44	04	05	
268	1st field	1st field	1st field	03	68	35	44	04	05	
273	1st field	1st field	1st field	03	68	35	44	04	05	
300	1st field	1st field	1st field	03	68	35	44	07	05	
301	1st field	1st field	1st field	03	68	35	44	04	05	
302	1st field	1st field	1st field	03	68	35	44	04	05	
304	1st field	1st field	1st field	03	68	35	44	04	05	

For HLA-C locus the ambiguous combination is \*05:64 and \*05:78

C locus ambiguity, C\*05:64; C\*05:78 combination not excluded

SCHEME 4A1 – CLASS I DNA HLA TYPING AT 1ST FIELD RESOLUTION

RESULTS OF PARTICIPATING LABORATORIES

SAMPLE 4A1 06/2014 DESPATCHED ON 10TH JUNE 2014

				A* 24	A* 29	B* 44	B* 51	C* 15 blank	C* 16 blank	Acceptable Unacceptable
1st field										
<b>Result Summary</b>										
Number Acceptable				94	94	94	94	88	88	
Number Unacceptable				0	0	0	0	1	1	
Number NT				1	1	1	1	1	1	
Lab	A* 95	B* 95	C* 90	A*	A*	B*	B*	C*	C*	
6	1st field	1st field	1st field	24	29	44	51	15	16	
9	1st field	1st field	1st field	24	29	44	51	15	16	
11	1st field	1st field	1st field	24	29	44	51	15	16	
12	1st field	1st field	1st field	24	29	44	51	15	16	
14	1st field	1st field	1st field	24	29	44	51	15	16	
15	1st field	1st field	1st field	24	29	44	51	15	16	
16	1st field	1st field	1st field	24	29	44	51	15	16	
19	1st field	1st field	1st field	24	29	44	51	15	16	
20	1st field	1st field	1st field	24	29	44	51	15	16	
23	1st field	1st field	1st field	24	29	44	51	15	16	
24	1st field	1st field	1st field	24	29	44	51	15	16	
25	1st field	1st field	1st field	24	29	44	51	15	16	
26	1st field	1st field	1st field	24	29	44	51	15	16	
28	1st field	1st field	1st field	24	29	44	51	15	16	
29	1st field	1st field	1st field	24	29	44	51	15	16	
34	1st field	1st field	1st field	24	29	44	51	15	16	
35	1st field	1st field	1st field	24	29	44	51	15	16	
38	1st field	1st field	1st field	24	29	44	51	15	16	
39	1st field	1st field	1st field	24	29	44	51	15	16	
41	1st field	1st field	1st field	24	29	44	51	15	16	
42	1st field	1st field	1st field	24	29	44	51	15	16	
45	1st field	1st field	1st field	24	29	44	51	15	16	
48	1st field	1st field	1st field	24	29	44	51	15	16	
51	1st field	1st field	1st field	24	29	44	51	15	16	
54	1st field	1st field	1st field	24	29	44	51	15	16	
58	1st field	1st field	1st field	24	29	44	51	15	16	
62	1st field	1st field	1st field	24	29	44	51	15	16	
69	1st field	1st field	1st field	24	29	44	51	15	16	
78	1st field	1st field	1st field	24	29	44	51	15	16	
86	1st field	1st field	1st field	24	29	44	51	15	16	
100	1st field	1st field	1st field	24	29	44	51	15	16	
103	1st field	1st field	1st field	24	29	44	51	15	16	
108	1st field	1st field	1st field	24	29	44	51	15	16	
109	1st field	1st field	1st field	24	29	44	51	15	16	
112	1st field	1st field	1st field	24	29	44	51	15	16	
115	1st field	1st field	1st field	24	29	44	51	15	16	
119	1st field	1st field	1st field	24	29	44	51	15	16	
123	1st field	1st field	1st field	24	29	44	51	15	16	
124	1st field	1st field	1st field	24	29	44	51	15	16	
127	1st field	1st field	1st field	24	29	44	51	15	16	
128	1st field	1st field	1st field	24	29	44	51	15	16	
130	1st field	1st field	1st field	24	29	44	51	15	16	
132	1st field	1st field	1st field	24	29	44	51	15	16	
133	1st field	1st field	1st field	24	29	44	51	15	16	
141	1st field	1st field	1st field	24	29	44	51	15	16	
142	1st field	1st field	1st field	24	29	44	51	15	16	
155	1st field	1st field	1st field	24	29	44	51	15	16	
156	1st field	1st field	1st field	24	29	44	51	15	16	
159	1st field	1st field	1st field	24	29	44	51	15	16	
172	1st field	1st field	1st field	24	29	44	51	15	16	
183	1st field	1st field	1st field	NT	NT	NT	NT	NT	NT	
185	1st field	1st field	1st field	24	29	44	51	15	16	
187	1st field	1st field	1st field	24	29	44	51	15	16	
189	1st field	1st field	1st field	24	29	44	51	15	16	
190	1st field	1st field	1st field	24	29	44	51	15	16	
191	1st field	1st field	1st field	24	29	44	51	15	16	
195	1st field	1st field	1st field	24	29	44	51	15	16	
197	1st field	1st field	1st field	24	29	44	51	15	16	
205	1st field	1st field	1st field	24	29	44	51	15	16	
207	1st field	1st field	1st field	24	29	44	51	15	16	
210	1st field	1st field	1st field	24	29	44	51	15	16	
211	1st field	1st field	1st field	24	29	44	51	15	16	
212	1st field	1st field	1st field	24	29	44	51	15	16	
213	1st field	1st field	1st field	24	29	44	51	15	16	
214	1st field	1st field	1st field	24	29	44	51	15	16	
215	1st field	1st field	1st field	24	29	44	51	15	16	
216	1st field	1st field	1st field	24	29	44	51	15	16	
217	1st field	1st field	1st field	24	29	44	51	15	16	
222	1st field	1st field	1st field	24	29	44	51	15	16	
223	1st field	1st field	1st field	24	29	44	51	15	16	
225	1st field	1st field	1st field	24	29	44	51	15	16	
229	1st field	1st field	1st field	24	29	44	51	15	16	
230	1st field	1st field	1st field	24	29	44	51	15	16	
231	1st field	1st field	1st field	24	29	44	51	15	16	
232	1st field	1st field	1st field	24	29	44	51	15	16	
239	1st field	1st field	1st field	24	29	44	51	15	16	
240	1st field	1st field	1st field	24	29	44	51	15	16	
241	1st field	1st field	1st field	24	29	44	51	15	16	
242	1st field	1st field	1st field	24	29	44	51	15	16	
244	1st field	1st field	1st field	24	29	44	51	15	16	
245	1st field	1st field	1st field	24	29	44	51	15	16	
248	1st field	1st field	1st field	24	29	44	51	15	16	
252	1st field	1st field	1st field	24	29	44	51	15	16	
254	1st field	1st field	1st field	24	29	44	51	15	16	
258	1st field	1st field	1st field	24	29	44	51	15	16	
259	1st field	1st field	1st field	24	29	44	51	15	16	
260	1st field	1st field	1st field	24	29	44	51	15	16	
264	1st field	1st field	1st field	24	29	44	51	15	16	
266	1st field	1st field	1st field	24	29	44	51	15	16	
268	1st field	1st field	1st field	24	29	44	51	15	16	
273	1st field	1st field	1st field	24	29	44	51	15	16	
300	1st field	1st field	1st field	24	29	44	51	15	16	
301	1st field	1st field	1st field	24	29	44	51	15	16	
302	1st field	1st field	1st field	24	29	44	51	15	16	
304	1st field	1st field	1st field	24	29	44	51	15	16	

SCHEME 4A1 – CLASS I DNA HLA TYPING AT 1ST FIELD RESOLUTION

RESULTS OF PARTICIPATING LABORATORIES

SAMPLE 4A1 07/2014 DESPATCHED ON 10TH JUNE 2014

				A* 02	A* 03	B* 40	B* 58	C* 03 blank	C* 07 blank	Acceptable Unacceptable
1st field										
<b>Result Summary</b>										
Number Acceptable				94	94	94	94	88	88	
Number Unacceptable				0	0	0	0	1	1	
Number NT				1	1	1	1	1	1	
Lab	A* 95	B* 95	C* 90	A*	A*	B*	B*	C*	C*	
6	1st field	1st field	1st field	02	03	40	58	03	07	
9	1st field	1st field	1st field	02	03	40	58	03	07	
11	1st field	1st field	1st field	02	03	40	58	03	07	
12	1st field	1st field	1st field	02	03	40	58	03	07	
14	1st field	1st field	1st field	02	03	40	58	03	07	
15	1st field	1st field	1st field	02	03	40	58	03	07	
16	1st field	1st field	1st field	02	03	40	58	03	07	
19	1st field	1st field	1st field	02	03	40	58	03	07	
20	1st field	1st field	1st field	02	03	40	58	03	07	
23	1st field	1st field	1st field	02	03	40	58	03	07	
24	1st field	1st field	1st field	02	03	40	58	03	07	
25	1st field	1st field	1st field	02	03	40	58	03	07	
26	1st field	1st field	1st field	02	03	40	58	03	07	
28	1st field	1st field	1st field	02	03	40	58	03	07	
29	1st field	1st field	1st field	02	03	40	58	03	07	
34	1st field	1st field	1st field	02	03	40	58	03	07	
35	1st field	1st field	1st field	02	03	40	58	03	07	
38	1st field	1st field	1st field	02	03	40	58	03	07	
39	1st field	1st field	1st field	02	03	40	58	03	07	
41	1st field	1st field	1st field	02	03	40	58	03	07	
42	1st field	1st field	1st field	02	03	40	58	03	07	
45	1st field	1st field	1st field	02	03	40	58	03	07	
48	1st field	1st field	1st field	02	03	40	58	03	07	
51	1st field	1st field	1st field	02	03	40	58	03	07	
54	1st field	1st field	1st field	02	03	40	58	03	07	
58	1st field	1st field	1st field	02	03	40	58	03	07	
62	1st field	1st field	1st field	02	03	40	58	03	07	
69	1st field	1st field	1st field	02	03	40	58	03	07	
78	1st field	1st field	1st field	02	03	40	58	03	07	
86	1st field	1st field	1st field	02	03	40	58	03	07	
100	1st field	1st field	1st field	02	03	40	58	03	07	
103	1st field	1st field	1st field	02	03	40	58	03	07	
108	1st field	1st field	1st field	02	03	40	58	03	07	
109	1st field	1st field	1st field	02	03	40	58	03	07	
112	1st field	1st field	1st field	02	03	40	58	03	07	
115	1st field	1st field	1st field	02	03	40	58	03	07	
119	1st field	1st field	1st field	02	03	40	58	03	07	
123	1st field	1st field	1st field	02	03	40	58	03	07	
124	1st field	1st field	1st field	02	03	40	58	03	07	
127	1st field	1st field	1st field	02	03	40	58	03	07	
128	1st field	1st field	1st field	02	03	40	58	03	07	
130	1st field	1st field	1st field	02	03	40	58	03	07	
132	1st field	1st field	1st field	02	03	40	58	03	07	
133	1st field	1st field	1st field	02	03	40	58	03	07	
141	1st field	1st field	1st field	02	03	40	58	03	07	
142	1st field	1st field	1st field	02	03	40	58	03	07	
155	1st field	1st field	1st field	02	03	40	58	03	07	
156	1st field	1st field	1st field	02	03	40	58	03	07	
159	1st field	1st field	1st field	02	03	40	58	03	07	
172	1st field	1st field	1st field	02	03	40	58	03	07	
183	1st field	1st field	1st field	NT	NT	NT	NT	NT	NT	
185	1st field	1st field	1st field	02	03	40	58	03	07	
187	1st field	1st field	1st field	02	03	40	58	03	07	
189	1st field	1st field	1st field	02	03	40	58	03	07	
190	1st field	1st field	1st field	02	03	40	58	03	07	
191	1st field	1st field	1st field	02	03	40	58	03	07	
195	1st field	1st field	1st field	02	03	40	58	03	07	
197	1st field	1st field	1st field	02	03	40	58	03	07	
205	1st field	1st field	1st field	02	03	40	58	03	07	
207	1st field	1st field	1st field	02	03	40	58	03	07	
210	1st field	1st field	1st field	02	03	40	58	03	07	
211	1st field	1st field	1st field	02	03	40	58	03	07	
212	1st field	1st field	1st field	02	03	40	58	03	07	
213	1st field	1st field	1st field	02	03	40	58	03	07	
214	1st field	1st field	1st field	02	03	40	58	03	07	
215	1st field	1st field	1st field	02	03	40	58	03	07	
216	1st field	1st field	1st field	02	03	40	58	03	07	
217	1st field	1st field	1st field	02	03	40	58	03	07	
222	1st field	1st field	1st field	02	03	40	58	03	07	
223	1st field	1st field	1st field	02	03	40	58	03	07	
225	1st field	1st field	1st field	02	03	40	58	03	07	
229	1st field	1st field	1st field	02	03	40	58	03	07	
230	1st field	1st field	1st field	02	03	40	58	03	07	
231	1st field	1st field	1st field	02	03	40	58	03	07	
232	1st field	1st field	1st field	02	03	40	58	03	07	
239	1st field	1st field	1st field	02	03	40	58	03	07	
240	1st field	1st field	1st field	02	03	40	58	03	07	
241	1st field	1st field	1st field	02	03	40	58	03	07	
242	1st field	1st field	1st field	02	03	40	58	03	07	
244	1st field	1st field	1st field	02	03	40	58	03	07	
245	1st field	1st field	1st field	02	03	40	58	03	07	
248	1st field	1st field	1st field	02	03	40	58	03	07	
252	1st field	1st field	1st field	02	03	40	58	03	07	
254	1st field	1st field	1st field	02	03	40	58	03	07	
258	1st field	1st field	1st field	02	03	40	58	03	07	
259	1st field	1st field	1st field	02	03	40	58	03	07	
260	1st field	1st field	1st field	02	03	40	58	03	07	
264	1st field	1st field	1st field	02	03	40	58	03	07	
266	1st field	1st field	1st field	02	03	40	58	03	07	
268	1st field	1st field	1st field	02	03	40	58	03	07	
273	1st field	1st field	1st field	02	03	40	58	03	07	
300	1st field	1st field	1st field	02	03	40	58	03	07	
301	1st field	1st field	1st field	02	03	40	58	03	07	
302	1st field	1st field	1st field	02	03	40	58	03	07	
304	1st field	1st field	1st field	02	03	40	58	03	07	



SCHEME 4A1 – CLASS I DNA HLA TYPING AT 1ST FIELD RESOLUTION

RESULTS OF PARTICIPATING LABORATORIES

SAMPLE 4A1 08/2014 DESPATCHED ON 10TH JUNE 2014

				A* 01	A* 02	B* 08	B* 27	C* 02 blank	C* 07 blank	Acceptable Unacceptable
<b>1st field</b>										
<b>Result Summary</b>										
Number Acceptable				94	94	94	94	88	88	
Number Unacceptable				0	0	0	0	1	1	
Number NT				1	1	1	1	1	1	
Lab	A* 95	B* 95	C* 90	A*	A*	B*	B*	C*	C*	
6	1st field	1st field	1st field	01	02	08	27	02	07	
9	1st field	1st field	1st field	01	02	08	27	02	07	
11	1st field	1st field	1st field	01	02	08	27	02	07	
12	1st field	1st field	1st field	01	02	08	27	02	07	
14	1st field	1st field	1st field	01	02	08	27	02	07	
15	1st field	1st field	1st field	01	02	08	27	02	07	
16	1st field	1st field	1st field	01	02	08	27	02	07	
19	1st field	1st field	1st field	01	02	08	27	02	07	
20	1st field	1st field	1st field	01	02	08	27	02	07	
23	1st field	1st field	1st field	01	02	08	27	02	07	
24	1st field	1st field	1st field	01	02	08	27	02	07	
25	1st field	1st field	1st field	01	02	08	27	02	07	
26	1st field	1st field	1st field	01	02	08	27	02	07	
28	1st field	1st field	1st field	01	02	08	27	02	07	
29	1st field	1st field	1st field	01	02	08	27	02	07	
34	1st field	1st field	1st field	01	02	08	27	02	07	
35	1st field	1st field	1st field	01	02	08	27	02	07	
38	1st field	1st field	1st field	01	02	08	27	02	07	
39	1st field	1st field	1st field	01	02	08	27	02	07	
41	1st field	1st field	1st field	01	02	08	27	02	07	
42	1st field	1st field	1st field	01	02	08	27	02	07	
45	1st field	1st field	1st field	01	02	08	27	02	07	
48	1st field	1st field	1st field	01	02	08	27	02	07	
51	1st field	1st field	1st field	01	02	08	27	02	07	
54	1st field	1st field	1st field	01	02	08	27	02	07	
58	1st field	1st field	1st field	01	02	08	27	02	07	
62	1st field	1st field	1st field	01	02	08	27	02	07	
69	1st field	1st field	1st field	01	02	08	27	02	07	
78	1st field	1st field	1st field	01	02	08	27	02	07	
86	1st field	1st field	1st field	01	02	08	27	02	07	
100	1st field	1st field	1st field	01	02	08	27	02	07	
103	1st field	1st field	1st field	01	02	08	27	02	07	
108	1st field	1st field	1st field	01	02	08	27	02	07	
109	1st field	1st field	1st field	01	02	08	27	02	07	
112	1st field	1st field	1st field	01	02	08	27	02	07	
115	1st field	1st field	1st field	01	02	08	27	02	07	
119	1st field	1st field	1st field	01	02	08	27	02	07	
123	1st field	1st field	1st field	01	02	08	27	02	07	
124	1st field	1st field	1st field	01	02	08	27	02	07	
127	1st field	1st field	1st field	01	02	08	27	02	07	
128	1st field	1st field	1st field	01	02	08	27	02	07	
130	1st field	1st field	1st field	01	02	08	27	02	07	
132	1st field	1st field	1st field	01	02	08	27	02	07	
133	1st field	1st field	1st field	01	02	08	27	02	07	
141	1st field	1st field	1st field	01	02	08	27	02	07	
142	1st field	1st field	1st field	01	02	08	27	02	07	
155	1st field	1st field	1st field	01	02	08	27	02	07	
156	1st field	1st field	1st field	01	02	08	27	02	07	
159	1st field	1st field	1st field	01	02	08	27	02	07	
172	1st field	1st field	1st field	01	02	08	27	02	07	
183	1st field	1st field	1st field	NT	NT	NT	NT	NT	NT	
185	1st field	1st field	1st field	01	02	08	27	02	07	
187	1st field	1st field	1st field	01	02	08	27	02	07	
189	1st field	1st field	1st field	01	02	08	27	02	07	
190	1st field	1st field	1st field	01	02	08	27	02	07	
191	1st field	1st field	1st field	01	02	08	27	02	07	
195	1st field	1st field	1st field	01	02	08	27	02	07	
197	1st field	1st field	1st field	01	02	08	27	02	07	
205	1st field	1st field	1st field	01	02	08	27	02	07	
207	1st field	1st field	1st field	01	02	08	27	02	07	
210	1st field	1st field	1st field	01	02	08	27	02	07	
211	1st field	1st field	1st field	01	02	08	27	02	07	
212	1st field	1st field	1st field	01	02	08	27	02	07	
213	1st field	1st field	1st field	01	02	08	27	02	07	
214	1st field	1st field	1st field	01	02	08	27	02	07	
215	1st field	1st field	1st field	01	02	08	27	02	07	
216	1st field	1st field	1st field	01	02	08	27	02	07	
217	1st field	1st field	1st field	01	02	08	27	02	07	
222	1st field	1st field	1st field	01	02	08	27	02	07	
223	1st field	1st field	1st field	01	02	08	27	02	07	
225	1st field	1st field	1st field	01	02	08	27	02	07	
229	1st field	1st field	1st field	01	02	08	27	02	07	
230	1st field	1st field	1st field	01	02	08	27	02	07	
231	1st field	1st field	1st field	01	02	08	27	02	07	
232	1st field	1st field	1st field	01	02	08	27	02	07	
239	1st field	1st field	1st field	01	02	08	27	02	07	
240	1st field	1st field	1st field	01	02	08	27	02	07	
241	1st field	1st field	1st field	01	02	08	27	02	07	
242	1st field	1st field	1st field	01	02	08	27	02	07	
244	1st field	1st field	1st field	01	02	08	27	02	07	
245	1st field	1st field	1st field	01	02	08	27	02	07	
248	1st field	1st field	1st field	01	02	08	27	02	07	
252	1st field	1st field	1st field	01	02	08	27	02	07	
254	1st field	1st field	1st field	01	02	08	27	02	07	
258	1st field	1st field	1st field	01	02	08	27	02	07	
259	1st field	1st field	1st field	01	02	08	27	02	07	
260	1st field	1st field	1st field	01	02	08	27	02	07	
264	1st field	1st field	1st field	01	02	08	27	02	07	
266	1st field	1st field	1st field	01	02	08	27	02	07	
268	1st field	1st field	1st field	01	02	08	27	02	07	
273	1st field	1st field	1st field	01	02	08	27	02	07	
300	1st field	1st field	1st field	01	02	08	27	02	07	
301	1st field	1st field	1st field	01	02	08	27	02	07	
302	1st field	1st field	1st field	01	02	08	27	02	07	
304	1st field	1st field	1st field	01	02	08	27	02	07	

SCHEME 4A1 – CLASS I DNA HLA TYPING AT 1ST FIELD RESOLUTION

RESULTS OF PARTICIPATING LABORATORIES

SAMPLE 4A1 09/2014 DESPATCHED ON 10TH JUNE 2014

				A* 01	A* 03	B* 07 42	B* 08	C* 07 blank	C* 07/blank	Acceptable Unacceptable	
<b>1st field</b>											
<b>Result Summary</b>											
Number Acceptable				94	94	94	94	88	88		
Number Unacceptable				0	0	0	0	1	1		
Number NT				1	1	1	1	1	1		
Lab	A* 95	B* 95	C* 90	A*	A*	B*	B*	C*	C*		
6	1st field	1st field	1st field	01	03	07	08	07	07		
9	1st field	1st field	1st field	01	03	07	08	07			
11	1st field	1st field	1st field	01	03	07	08	07			
12	1st field	1st field	1st field	01	03	07	08	07			
14	1st field	1st field	1st field	01	03	07	08	07	07		
15	1st field	1st field	1st field	01	03	07	08	07			
16	1st field	1st field	1st field	01	03	07	08	07			
19	1st field	1st field	1st field	01	03	07	08	07			
20	1st field	1st field	1st field	01	03	07	08	07			
23	1st field	1st field	1st field	01	03	07	08	07			
24	1st field	1st field	1st field	01	03	07	08	07	07		
25	1st field	1st field	1st field	01	03	07	08	07	07		
26	1st field	1st field	1st field	01	03	07	08	07	07		
28	1st field	1st field	1st field	01	03	07	08	07			
29	1st field	1st field	1st field	01	03	07	08	07			
34	1st field	1st field	1st field	01	03	07	08	07			
35	1st field	1st field	1st field	01	03	07	08	07	07		
38	1st field	1st field	1st field	01	03	07	08	07			
39	1st field	1st field	1st field	01	03	07	08	07			
41	1st field	1st field	1st field	01	03	07	08	07	07		
42	1st field	1st field	1st field	01	03	07	08	07	07		
45	1st field	1st field	1st field	01	03	07	08	07	07		
48	1st field	1st field	1st field	01	03	07	08	07	07		
51	1st field	1st field	1st field	01	03	07	08	07			
54	1st field	1st field	1st field	01	03	07	08	07			
58	1st field	1st field	1st field	01	03	07	08	07			
62	1st field	1st field	1st field	01	03	07	08	07	07		
69	1st field	1st field	1st field	01	03	07	08	07	07		
78	1st field	1st field	1st field	01	03	07	08	07			
86	1st field	1st field	1st field	01	03	07	08	07	07		
100	1st field	1st field	1st field	01	03	07	08	07	07		
103	1st field	1st field	1st field	01	03	07 or 42	08	07			
108	1st field	1st field	1st field	01	03	07	08	07			
109	1st field	1st field	1st field	01	03	07	08	07			
112	1st field	1st field	1st field	01	03	07	08	07			
115	1st field	1st field	1st field	01	03	07	08	07			
119	1st field	1st field	1st field	01	03	07	08	07			
123	1st field	1st field	1st field	01	03	07	08	07			
124	1st field	1st field	1st field	01	03	07	08	07			
127	1st field	1st field	1st field	01	03	07	08	07	07		
128	1st field	1st field	1st field	01	03	07	08	07			
130	1st field	1st field	1st field	01	03	07	08	07			
132	1st field	1st field	1st field	01	03	07	08	07			
133	1st field	1st field	1st field	01	03	07	08	07			
141	1st field	1st field	1st field	01	03	07	08	07			
142	1st field	1st field	1st field	01	03	07	08	07			
155	1st field	1st field	1st field	01	03	07	08	07	07		
156	1st field	1st field	1st field	01	03	07	08	07	07		
159	1st field	1st field	1st field	01	03	07	08	07			
172	1st field	1st field	1st field	01	03	07	08	07	07		
183	1st field	1st field	1st field	NT	NT	NT	NT	NT	NT		
185	1st field	1st field	1st field	01	03	07	08	07	07		
187	1st field	1st field	1st field	01	03	07	08	07			
189	1st field	1st field	1st field	01	03	07	08	07	07		
190	1st field	1st field	1st field	01	03	07	08	07			
191	1st field	1st field	1st field	01	03	07	08	07	07		
195	1st field	1st field	1st field	01	03	07	08	07	07		
197	1st field	1st field	1st field	01	03	07	08	07	07		
205	1st field	1st field	1st field	01	03	07	08	07	07		
207	1st field	1st field	1st field	01	03	07	08	07			
210	1st field	1st field	1st field	01	03	07	08	07	07		
211	1st field	1st field	1st field	01	03	07	08	07	07		
212	1st field	1st field	1st field	01	03	07	08	07	07		
213	1st field	1st field	1st field	01	03	07	08	07	07		
214	1st field	1st field	1st field	01	03	07	08	07	07		
215	1st field	1st field	1st field	01	03	07	08	07	07		
216	1st field	1st field	1st field	01	03	07	08	07	07		
217	1st field	1st field	1st field	01	03	07	08	07	07		
222	1st field	1st field	1st field	01	03	07	08	07	07		
223	1st field	1st field	1st field	01	03	07	08	07			
225	1st field	1st field	1st field	01	03	07	08	07			
229	1st field	1st field	1st field	01	03	07	08	07	07		
230	1st field	1st field	1st field	01	03	07	08	07	07		
231	1st field	1st field	1st field	01	03	07	08	07	07		
232	1st field	1st field	1st field	01	03	07	08	07			
239	1st field	1st field	1st field	01	03	07	08	07			
240	1st field	1st field	1st field	01	03	07	08	07	07		
241	1st field	1st field	1st field	01	03	07	08	07	07		
242	1st field	1st field	1st field	01	03	07	08	07			
244	1st field	1st field	1st field	01	03	07	08	07	07		
245	1st field	1st field	1st field	01	03	07	08	07	07		
248	1st field	1st field	1st field	01	03	07	08	07	07		
252	1st field	1st field	1st field	01	03	07	08	07	07		
254	1st field	1st field	1st field	01	03	07	08	07	07		
258	1st field	1st field	1st field	01	03	07	08	07	07		
259	1st field	1st field	1st field	01	03	07	08	07			
260	1st field	1st field	1st field	01	03	07	08	07			
264	1st field	1st field	1st field	01	03	07	08	07	07		
266	1st field	1st field	1st field	01	03	07	08	07	07		
268	1st field	1st field	1st field	01	03	07	08	07			
273	1st field	1st field	1st field	01	03	07	08	07	07		
300	1st field	1st field	1st field	01	03	07	08	07			
301	1st field	1st field	1st field	01	03	07	08	07	07		
302	1st field	1st field	1st field	01	03	07	08	07	07		
304	1st field	1st field	1st field	01	03	07	08	07	07		

SCHEME 4A1 – CLASS I DNA HLA TYPING AT 1ST FIELD RESOLUTION

RESULTS OF PARTICIPATING LABORATORIES

SAMPLE 4A1 10/2014 DESPATCHED ON 10TH JUNE 2014

				A* 03	A* 68	B* 35	B* 44	C* 04 blank 07	C* 05 blank	Acceptable Unacceptable Unacceptable
1st field										
<b>Result Summary</b>										
Number Acceptable				94	94	94	94	86	88	
Number Unacceptable				0	0	0	0	3	1	
Number NT				1	1	1	1	1	1	
Lab	A* 95	B* 95	C* 90	A*	A*	B*	B*	C*	C*	
6	1st field	1st field	1st field	03	68	35	44	04	05	
9	1st field	1st field	1st field	03	68	35	44	04	05	
11	1st field	1st field	1st field	03	68	35	44	04	05	
12	1st field	1st field	1st field	03	68	35	44	04	05	
14	1st field	1st field	1st field	03	68	35	44	04	05	
15	1st field	1st field	1st field	03	68	35	44	04	05	
16	1st field	1st field	1st field	03	68	35	44	04	05	
19	1st field	1st field	1st field	03	68	35	44	04	05	
20	1st field	1st field	1st field	03	68	35	44	04	05	
23	1st field	1st field	1st field	03	68	35	44	04	05	
24	1st field	1st field	1st field	03	68	35	44	04	05	
25	1st field	1st field	1st field	03	68	35	44	04	05	
26	1st field	1st field	1st field	03	68	35	44	04	05	
28	1st field	1st field	1st field	03	68	35	44	04	05	
29	1st field	1st field	1st field	03	68	35	44	04	05	
34	1st field	1st field	1st field	03	68	35	44	04	05	
35	1st field	1st field	1st field	03	68	35	44	04	05	
38	1st field	1st field	1st field	03	68	35	44	04	05	
39	1st field	1st field	1st field	03	68	35	44	04	05	
41	1st field	1st field	1st field	03	68	35	44	04	05	
42	1st field	1st field	1st field	03	68	35	44	04	05	
45	1st field	1st field	1st field	03	68	35	44	04	05	
48	1st field	1st field	1st field	03	68	35	44	04	05	
51	1st field	1st field	1st field	03	68	35	44	04	05	
54	1st field	1st field	1st field	03	68	35	44	04	05	
58	1st field	1st field	1st field	03	68	35	44	04	05	
62	1st field	1st field	1st field	03	68	35	44	04	05	
69	1st field	1st field	1st field	03	68	35	44	04	05	
78	1st field	1st field	1st field	03	68	35	44	04	05	
86	1st field	1st field	1st field	03	68	35	44	04	05	
100	1st field	1st field	1st field	03	68	35	44	04	05	
103	1st field	1st field	1st field	03	68	35	44	04	05	
108	1st field	1st field	1st field	03	68	35	44	04	05	
109	1st field	1st field	1st field	03	68	35	44	04	05	
112	1st field	1st field	1st field	03	68	35	44	04	05	
115	1st field	1st field	1st field	03	68	35	44	04	05	
119	1st field	1st field	1st field	03	68	35	44	04	05	
123	1st field	1st field	1st field	03	68	35	44	04	05	
124	1st field	1st field	1st field	03	68	35	44	04	05	
127	1st field	1st field	1st field	03	68	35	44	04	05	
128	1st field	1st field	1st field	03	68	35	44	04	05	
130	1st field	1st field	1st field	03	68	35	44	04	05	
132	1st field	1st field	1st field	03	68	35	44	04	05	
133	1st field	1st field	1st field	03	68	35	44	04	05	
141	1st field	1st field	1st field	03	68	35	44	04	05	
142	1st field	1st field	1st field	03	68	35	44	04	05	
155	1st field	1st field	1st field	03	68	35	44	04	05	
156	1st field	1st field	1st field	03	68	35	44	04	05	
159	1st field	1st field	1st field	03	68	35	44	04	05	
172	1st field	1st field	1st field	03	68	35	44	04	05	
183	1st field	1st field	1st field	NT	NT	NT	NT	NT	NT	
185	1st field	1st field	1st field	03	68	35	44	04	05	
187	1st field	1st field	1st field	03	68	35	44	04	05	
189	1st field	1st field	1st field	03	68	35	44	04	05	
190	1st field	1st field	1st field	03	68	35	44	04	05	
191	1st field	1st field	1st field	03	68	35	44	04	05	
195	1st field	1st field	1st field	03	68	35	44	04	05	
197	1st field	1st field	1st field	03	68	35	44	04	05	
205	1st field	1st field	1st field	03	68	35	44	04	05	
207	1st field	1st field	1st field	03	68	35	44	04	05	
210	1st field	1st field	1st field	03	68	35	44	04	05	
211	1st field	1st field	1st field	03	68	35	44	04	05	
212	1st field	1st field	1st field	03	68	35	44	04	05	
213	1st field	1st field	1st field	03	68	35	44	04	05	
214	1st field	1st field	1st field	03	68	35	44	04	05	
215	1st field	1st field	1st field	03	68	35	44	04	05	
216	1st field	1st field	1st field	03	68	35	44	04	05	
217	1st field	1st field	1st field	03	68	35	44	04	05	
222	1st field	1st field	1st field	03	68	35	44	04	05	
223	1st field	1st field	1st field	03	68	35	44	04	05	
225	1st field	1st field	1st field	03	68	35	44	04	05	
229	1st field	1st field	1st field	03	68	35	44	04	05	
230	1st field	1st field	1st field	03	68	35	44	04	05	
231	1st field	1st field	1st field	03	68	35	44	04	05	
232	1st field	1st field	1st field	03	68	35	44	04	05	
239	1st field	1st field	1st field	03	68	35	44	04	05	
240	1st field	1st field	1st field	03	68	35	44	04	05	
241	1st field	1st field	1st field	03	68	35	44	04	05	
242	1st field	1st field	1st field	03	68	35	44	04	05	
244	1st field	1st field	1st field	03	68	35	44	04	05	
245	1st field	1st field	1st field	03	68	35	44	04	05	
248	1st field	1st field	1st field	03	68	35	44	04	05	
252	1st field	1st field	1st field	03	68	35	44	04	05	
254	1st field	1st field	1st field	03	68	35	44	04	05	
258	1st field	1st field	1st field	03	68	35	44	04	05	
259	1st field	1st field	1st field	03	68	35	44	04	05	
260	1st field	1st field	1st field	03	68	35	44	04	05	
264	1st field	1st field	1st field	03	68	35	44	04	05	
266	1st field	1st field	1st field	03	68	35	44	04	05	
268	1st field	1st field	1st field	03	68	35	44	04	05	
273	1st field	1st field	1st field	03	68	35	44	04	05	
300	1st field	1st field	1st field	03	68	35	44	07	05	
301	1st field	1st field	1st field	03	68	35	44	04	05	
302	1st field	1st field	1st field	03	68	35	44	04	05	
304	1st field	1st field	1st field	03	68	35	44	04	05	