CELL EXCHANGE #399
JUNE 7, 2017

Cells 1593-1596

The results for Cell Exchange #399 are summarized in Table 9 and Table 10. Molecular typing results for individual laboratories are listed in Tables 11-14 for each sample and individual serology results for each sample are listed in Table 15.

Cell 1593. The reported type for this sample from a donor of Caucasian/Hispanic descent is A*26:01(A26)-A*30:01(A30)-B*38:01(B38)-B*49:01(B49)-C*07:01(Cw7)-C*12:03. Likely associations in this cell are A*26:01-B*38:01-C*12:03 and A*30:01-B*49:01-C*07:01, with respective HF-0.00854 and 0.00051, in Hispanics.

The sample was previously typed as cell 1529 (2014). In this present retyping, A*26:01, A*30:01, B*38:01, B*49:01, C*07:01, and C*12:03, were each reported by 100% of labs reporting at high resolution. A*26:01:01, B*49:01:01, C*07:01:01 and C*12:03:01 were assigned by 5 labs, while A*30:01:01 and B*38:01:01 were each assigned by 6 labs. C*07:01 (100%) and C*12:03 (100%) were the reported C-locus types, with 5 labs assigning C*07:01:01 and C*12:03:01. Good agreement was also achieved among serology labs as A26 (100%), A30 (94%), B38 (100%), and B49 (94%) were well assigned.

Cell 1594. The reported type for this sample from an Asian Indian donor is A*31:12(A31)-A*68:01(A68)-B*15:01(B62)-B*15:18(B70)-C*03:03(Cw3)-C*07:04(Cw7). Likely associations in this cell are B*15:01-C*03:03 and B*15:18-C*07:04, with respective frequencies of 0.01098 and 0.00455, in Asians.

A*31:12 was reported for the first time in the exchange, as labs assigned A*31:12 by 93%. A*68:01 (100%) was reported as the second A-locus type, with NGS assigning A*68:01:02:01. A31 (77%) and A68 (60%) were reported by serology. Two subtypes of B*15 were present in this cell, B*15:01 (100%) and B*15:18 (100%). B*15:01:01 and B*15:18:01 were each assigned by 6 labs. By serology, B62 (87%) and B70 (73%) were assigned. C*03:03 (100%) and C*07:04 (100%) were the assigned C-locus types, with 5 labs assigning C*03:03:01 and C*07:04:01.

Cell 1595. The reported type for this sample from an African American donor is A*24:02(A24)-A*68:02(A68)-B*51:01(B51)-B*81:01(B81)-C*15:02-C*18:01. The B*51:01-C*15:02 and B*51:01-C*18:01 associations likely present in this cell are observed in African American populations, with respective HF=0.00353 and 0.01101.

This cell was typed previously in the Exchange as cells 1461 (2012), 1354 (2009), and 1295 (2007). In this present retyping, B*81:01 was assigned by 100% of labs reporting at high resolution, an improvement from 61% back in 2007. B*68:02 (100%) was reported as the second B-locus type, with 3 NGS labs assigning B*51:01:01:01. A*24:02 (100%) and A*68:02 (100%) were the reported A-locus types, with several NGS labs assigning A*24:02:01:01 and A*68:02:01:01. The reported C-locus types were C*15:02 and C*18:01. A24 (100%), A68 (71%), B51 (93%), and B81 (93%) were detected by serology.

Cell 1596. The reported type for this sample from a Caucasian donor is A*02:01(A2)-A*25:01(A25)-B*18:01(B18)-B*44:02(B44)-C*05:01(Cw5)-C*12:03. The likely class I associations of A*02:01-B*44:02-C*05:01 and A*25:01-B*18:01-C*12:03 present in this cell are commonly observed in Caucasian populations, with respective frequencies of HF=0.05370 and 0.01039.

A*02:01 (100%) and A*25:01 (100%) were the reported A-locus types in this cell, with 5 labs assigning A*02:01:01 and A*25:01:01. B*18:01 and B*44:02 were also reported in complete consensus, with several NGS labs assigning B*18:01:01:02 and B*44:02:01:01. The C-locus types were reported as C*05:01 (C*05:01:01) (100%) and C*12:03 (C*12:03:01) (100%). By serology, A2 (100%), A25 (100%), B18 (100%), B44 (100%), and Cw5 (36%) were assigned.

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Table 9. Summary of the 399th Cell Exchange (Cell #1593-1596)

DNA typing

Cell 1593	
24 low/16 high labs - A	%(n)
A*26:01:01:01	25(4)
A*26:01:01	6 (1)
A*26:01:01G	13(2)
A*26:01	56(9)
A*26	100(24)
24 low/16 high labs - A	%(n)
A*30:01:01	38(6)
A*30:01	62(10)
A*30	100(24)
24 low/16 high labs - B	%(n)
B*38:01:01	38(6)
B*38:01	62(10)
B*38	100(24)
24 low/16 high labs - B	%(n)
B*49:01:01	31(5)
B*49:01	69(11)
B*49	100(24)
23 low/16 high Labs - C	%(n)
C*07:01:01:01	19(3)
C*07:01:01	13(2)
C*07:01:01G	13(2)
C*07:01	56(9)
C*07	100(23)
23 low/16 high Labs - C	%(n)
C*12:03:01:01	25(4)
C*12:03:01	6 (1)
C*12:03:01G	13(2)
C*12:03	56(9)
C*12	100(23)

Cell 1594	
23 low/14 high labs - A	%(n)
A*31:12	93(13)
*A*31:01*	7 (1)
A*31	100(23)
23 low/15 high labs - A	%(n)
A*68:01:02:01	27(4)
A*68:01:02	7 (1)
A*68:01:02G	13(2)
A*68:01	53(8)
A*68	100(23)
25 low/17 high labs - B	%(n)
B*15:01:01:01	23(4)
B*15:01:01	12(2)
B*15:01:01G	6 (1)
B*15:01	59(10)
B*15(B62)	9 (2)
B*15	91(23)
25 low/17 high labs - B	%(n)
B*15:18:01	35(6)
B*15:18:01G	12(2)
B*15:18	53(9)
B*15(B71)	9 (2)
B*15	91(23)
22 low/15 high Labs - C	%(n)
C*03:03:01	33(5)
C*03:03:01G	13(2)
C*03:03	53(8)
C*03(Cw10)	9 (2)
C*03	91(20)
22 low/14 high Labs - C	%(n)
C*07:04:01	36(5)
C*07:04:01G	14(2)
C*07:04	50(7)
C*07	100(22)

Cell 1595	
23 low/15 high labs - A	%(n)
A*24:02:01:01	20(3)
A*24:02:01	7 (1)
A*24:02:01G	7 (1)
A*24:02	66(10)
A*24	100(23)
23 low/15 high labs - A	%(n)
A*68:02:01:01	20(3)
A*68:02:01	13(2)
A*68:02	67(10)
A*68	100(23)
23 low/15 high labs - B	%(n)
B*51:01:01:01	20(3)
B*51:01:01	7 (1)
B*51:01:01G	7 (1)
B*51:01P	7 (1)
B*51:01	60(9)
B*51	100(23)
23 low/15 high labs - B	%(n)
B*81:01:01G	13(2)
B*81:01	87(13)
B*81	100(23)
22 low/15 high Labs - C	%(n)
C*15:02:01	27(4)
C*15:02:01G	13(2)
C*15:02	60(9)
C*15	100(23)
*C*12*	5 (1)
22 low/15 high Labs - C	%(n)
C*18:01:01G	7 (1)
C*18:01	93(14)
C*18	95(21)
*C*12*	5 (1)

Cell 1596	
22 low/14 high labs - A	%(n)
A*02:01:01:01	21(3)
A*02:01:01	14(2)
A*02:01:01G	7 (1)
A*02:01	57(8)
A*02	22(100)
22 low/14 high labs - A	%(n)
A*25:01:01	36(5)
A*25:01	64(9)
A*25	100(22)
22 low/14 high labs - B	%(n)
B*18:01:01:02	21(3)
B*18:01:01	7 (1)
B*18:01:01G	14(2)
B*18:01	57(8)
B*18	100(22)
22 low/14 high labs - B	%(n)
B*44:02:01:01	21(3)
B*44:02:01	7 (1)
B*44:02:01G	14(2)
B*44:02	57(8)
B*44	100(22)
21 low/14 high labs - C	%(n)
C*05:01:01:02	14(2)
C*05:01:01	21(3)
C*05:01	64(9)
C*05	95(20)
*C*08*	5 (1)
21 low/14 high labs - C	%(n)
C*12:03:01:01	14(2)
C*12:03:01	14(2)
C*12:03:01G	14(2)
C*12:03	57(8)
C*12	100(21)

Table 10. Summary of the 399th Cell Exchange (Cell #1593 - 1596)

Serological typing

(Mixed)	
Cell 1593	
(16 Samples Typed)	
A26	100.0%
	[100.0%]
A30	93.8%
A19	6.2%
	[100.0%]
B38	100.0%
	[100.0%]
B49	93.8%
B21	6.2%
	[100.0%]
Cw7	43.8%
Bw4	68.8%
Others Found	
B16	6.2%
A31	6.2%
Cw3	6.2%
B44	6.2%
Cw12	6.2%
B52	6.2%

(Asian Indian)	
Cell 1594	
(15 Samples Typed)	
A31	86.7%
A19	13.3%
	[100.0%]
A68	60.0%
A28	40.0%
	[100.0%]
B62	86.7%
B15	13.3%
	[100.0%]
B70	33.30%
B71	33.30%
B72	6.70%
	[73.3%]
Cw3	40.0%
Cw9	6.7%
	[46.7%]
Cw7	46.7%
Bw6	73.3%
Others Found	
B35	6.7%
B73	6.7%
B75	6.7%

(Black)	
Cell 1595	
(14 Samples Typed)	
A24	100.0%
	[100.0%]
A68	71.4%
A28	28.6%
	[100.0%]
B51	92.9%
B5	7.1%
	[100.0%]
B81	92.9%
	[92.9%]
Bw4	64.3%
Bw6	64.3%
Others Found	
B7	14.3%
Cw4	14.3%

(Caucasian)	
Cell 1596	
(14 Samples Typed)	
A2	100.0%
	[100.0%]
A25	100.0%
	[100.0%]
B18	100.0%
B44	100.0%
	[100.0%]
Cw5	35.7%
	[35.7%]
Bw4	71.4%
Bw6	71.4%
Others Found	
B12	7.1%

Table 11. Individual laboratory results for Cell #1593															
		Low Resolution						High Resolution							
Center	**Investigator**	**HLA-A**		**HLA-B**		**HLA-C**		**HLA-A**		**HLA-B**		**HLA-C**		**Method**	**Other Alleles**
5462	Arnold , Paula	*26	*30	*38	*49	*07	*12	*26:01	*30:01	*38:01	*49:01	*07:01	*12:03	SSO NGS	
5133	Askar , Medhat							*26:01:01:01	*30:01:01	*38:01:01	*49:01:01	*07:01:01:01	*12:03:01:01	NGS	
4492	Caillat-Zucman , S	*26	*30	*38	*49	*07	*12							SSP	
774	Cecka , J. Michael	*26	*30	*38	*49	*07	*12							SSP	
8070	Chang , Uckjin							*26:01	*30:01	*38:01	*49:01	*07:01	*12:03	SBT	
3632	Colombe , Beth W.	*26	*30	*38	*49	*07	*12	*26:01	*30:01	*38:01	*49:01	*07:01	*12:03	SSP SSO	
779	Daniel , Claude	*26	*30	*38	*49	*07	*12							SSP SSO	
3766	Dunckley , Heather	*26	*30	*38	*49	*07	*12							SSO	
5214	Eckels/CPMC ,	*26	*30	*38	*49	*07	*12							SSO	C*12
747	Ferrari-Lacraz , Syl	*26	*30	*38	*49	*07	*12	*26:01:01:01	*30:01:01	*38:01:01	*49:01:01	*07:01:01	*12:03:01:01	SSP SSO NGS	
762	Fischer , Gottfried							*26:01:01:01	*30:01:01	*38:01:01	*49:01:01	*07:01:01:01	*12:03:01:01	SSO NGS	
4079	Fort , Marylise	*26	*30	*38	*49	*07	*12	*26:01	*30:01	*38:01	*49:01	*07:01	*12:03	SSP SSO	B*38:59; B*38:60 C*07:462; C*07:469; C*07:471, C*07:479
8043	Gideoni , Osnat	*26	*30	*38	*49	*07	*12	*26:01	*30:01	*38:01	*49:01	*07:01	*12:03	SSP SSO	
3545	Goldstein , Steven	*26	*30	*38	*49	*07	*12	*26:01	*30:01	*38:01	*49:01	*07:01	*12:03	SSP SSO SBT	A*26:117 C*07:06 C*07:18 C*07:343 C*07:419 C*07:458 C*12:143 C*12:167
810	Hamdi , Nuha	*26	*30	*38	*49	*07	*12							SSO	
3808	Hogan , Patrick	*26	*30	*38	*49	*07	*12							SSP	
771	Israel , Shoshana	*26	*30	*38	*49	*07	*12	*26:01	*30:01	*38:01	*49:01	*07:01	*12:03	SSO SBT	
725	Lardy , N.M.	*26	*30	*38	*49	*07	*12							SSO	
745	Latham , Katy							*26:01:01:01	*30:01:01	*38:01:01	*49:01:01	*07:01:01:01	*12:03:01:01	SSP SBT NGS	
278	Lee , Jar-How	*26	*30	*38	*49	*07	*12	*26:01	*30:01	*38:01	*49:01	*07:01	*12:03		
6649	Lim , Young Ae	*26	*30	*38	*49									SSP	
731	Loewenthal , Ron	*26	*30	*38	*49	*07	*12	*26:01:01G	*30:01:01	*38:01:01	*49:01	*07:01:01G	*12:03:01G	SSP SSO SBT	
8001	Rao , Prakash	*26	*30	*38	*49	*07	*12								
3625	Rees , Tracey	*26	*30	*38	*49	*07	*12	*26:01	*30:01	*38:01	*49:01	*07:01	*12:03		C*12:167 A*26:117
4251	Schiller , Jennifer	*26	*30	*38	*49	*07	*12	*26:01:01G	*30:01	*38:01	*49:01	*07:01:01G	*12:03:01G	SSO SBT	
5642	Varnavidou-Nicolai	*26	*30	*38	*49	*07	*12							SSP	
3186	Watson , Narelle	*26	*30	*38	*49	*07	*12							SSO	
16	Zhang , Aiwen	*26	*30	*38	*49	*07	*12	*26:01:01	*30:01:01	*38:01:01	*49:01:01	*07:01:01	*12:03:01	SBT NGS	

Table 12. Individual laboratory results for Cell #1594															
		Low Resolution						High Resolution							
Center	**Investigator**	**HLA-A**		**HLA-B**		**HLA-C**		**HLA-A**		**HLA-B**		**HLA-C**		**Method**	**Other Alleles**
5462	Arnold , Paula	*31	*68	*15	*15	*03	*07	*31:12	*68:01	*15:01	*15:18	*03:03	*07:04	SSO NGS	
5133	Askar , Medhat							*31:12	*68:01:02:01	*15:01:01:01	*15:18:01	*03:03:01	*07:04:01	NGS	
4492	Caillat-Zucman , Sc	*31	*68	*15	*15	*03	*07							SSP	
774	Cecka , J. Michael	*31	*68	*15	*15	*03	*07							SSP	
8070	Chang , Uckjin							*31:12	*68:01	*15:01	*15:18	*03:03	*07:04	SBT	
3632	Colombe , Beth W.	*31	*68	*15	*15	*03	*07	*31:12	*68:01	*15:01	*15:18	*03:03	*07:04	SSP SSO	
779	Daniel , Claude	*31	*68	*15	*15	*03	*07			*15:01	*15:18	*03:03		SSP SSO	
3766	Dunckley , Heather	*31	*68	*15	*15	*03	*07							SSO	
5214	Eckels/CPMC ,	*31	*68	*15 (B62)	*15 (B71)	*03 (Cw9)	*07							SSO	
747	Ferrari-Lacraz , Syl	*31	*68	*15	*15	*03	*07	*31:12	*68:01:02:01	15:01:01:01	*15:18:01	*03:03:01	*07:04:01	SSP SSO NGS	
762	Fischer , Gottfried							*31:12	*68:01:02:01	15:01:01:01	*15:18:01	*03:03:01	*07:04:01	SSO NGS	
4079	Fort , Marylise	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	SSP SSO	
8043	Gideoni , Osnat	*31	*68	*15	*15	*03	*07		*68:01	*15:01	*15:18			SSP SSO	
3545	Goldstein , Steven	*31	*68	*15	*15	*03	*07	*31:12	*68:01	*15:01	*15:18	*03:03	*07:04	SSP SSO SBT	C*07:11 A*68:33 C*03:20N C*03:227
810	Hamdi , Nuha	*31	*68	*15	*15	*03	*07							SSO	
3808	Hogan , Patrick	*31	*68	*15	*15	*03	*07			*15:01:01G	*15:18:01G			SSP	
771	Israel , Shoshana	*31	*68	*15		*03	*07	*31:12	*68:01	*15:01	*15:18	*03:03	*07:04	SSO SBT	
725	Lardy , N.M.	*31	*68	*15		*03	*07							SSO	
745	Latham , Katy							*31:12	*68:01:02:01	*15:01:01:01	*15:18:01	*03:03:01	*07:04:01	SSP SBT NGS	
278	Lee , Jar-How	*31	*68	*15	*15	*03	*07	*31:01	*68:01	*15:01	*15:18	*03:03	*07:04		
6649	Lim , Young Ae	*31	*68	*15										SSP	
731	Loewenthal , Ron	*31	*68	*15	*15	*03	*07	*31:12	*68:01:02G	*15:01:01	*15:18:01	*03:03:01G	*07:04:01G	SSP SSO SBT	
8001	Rao , Prakash	*31	*68	*15 (B62)	*15 (B71)	*03 (Cw9)	*07								
3625	Rees , Tracey	*31	*68	*15	*15	*03	*07	*31:12	*68:01	*15:01	*15:18	*03:03	*07:04		A*68:11N B*15:64 B*15:66 C*03:20N C*03:227
4251	Schiller , Jennifer	*31	*68	*15	*15	*03	*07	*31:12	*68:01:02G	*15:01	*15:18:01G	*03:03:01G	*07:04:01G	SSO SBT	
5642	Varnavidou-Nicolai	*31	*68	*15	*15	*03	*07							SSP	
3186	Watson , Narelle	*31	*68	*15	*15	*03	*07							SSO	
16	Zhang , Aiwen	*31	*68	*15	*15	*03	*07	*31:12	*68:01:02	*15:01:01	*15:18:01	*03:03:01	*07:04:01	SBT NGS	

Table 13. Individual laboratory results for Cell #1595															
		Low Resolution						High Resolution							
Center	**Investigator**	**HLA-A**		**HLA-B**		**HLA-C**		**HLA-A**		**HLA-B**		**HLA-C**		**Method**	**Other Alleles**
5462	Arnold , Paula	*24	*68	*51	*81	*15	*18	*24:02	*68:02	*51:01	*81:01	*15:02	*18:01	SSO NGS	
5133	Askar , Medhat							*24:02:01:01	*68:02:01:01	*51:01:01:01	*81:01	*15:02:01	*18:01	NGS	
4492	Caillat-Zucman , S	*24	*68	*51	*81	*15	*18							SSP	
774	Cecka , J. Michael	*24	*68	*51	*81	*15	*18							SSP	
8070	Chang , Uckjin							*24:02	*68:02	*51:01	*81:01	*15:02	*18:01	SBT	
3632	Colombe , Beth W.	*24	*68	*51	*81	*15	*18	*24:02	*68:02	*51:01	*81:01	*15:02	*18:01	SSP SSO	
779	Daniel , Claude	*24	*68	*51	*81	*15	*18							SSP SSO	
3766	Dunckley , Heather	*24	*68	*51	*81	*15	*18							SSO	
5214	Eckels/CPMC ,	*24	*68	*51	*81	*15	*18							SSO	
747	Ferrari-Lacraz , Syl													SSP SSO NGS	
762	Fischer , Gottfried							*24:02:01:01	*68:02:01:01	*51:01:01:01	*81:01	*15:02:01	*18:01	SSO NGS	
4079	Fort , Marylise	*24	*68	*51	*81	*15	*18	*24:02	*68:02	*51:01	*81:01	*15:02	*18:01	SSP SSO	A*24:328; A*24:331 B*51:196; B*51:200 C*15:119 C*18:02 C*18:10 B*51:174 B*81:02
8043	Gideoni , Osnat	*24	*68	*51	*81	*15	*18	*24:02	*68:02	*51:01	*81:01	*15:02	*18:01	SSP SSO	
3545	Goldstein , Steven	*24	*68	*51	*81	*15	*18	*24:02	*68:02	*51:01	*81:01	*15:02	*18:01	SSP SSO SBT	B*51:193 B*81:02 C*15:87 C*18:02
810	Hamdi , Nuha	*24	*68	*51	*81	*15	*18							SSO	
3808	Hogan , Patrick	*24	*68	*51	*81	*15	*18							SSP	
771	Israel , Shoshana	*24	*68	*51	*81	*15	*18	*24:02	*68:02	*51:01	*81:01	*15:02	*18:01	SSO SBT	
725	Lardy , N.M.	*24	*68	*51	*81	*15	*18							SSO	
745	Latham , Katy							*24:02:01:01	*68:02:01:01	*51:01:01:01	*81:01	*15:02:01	*18:01	SSP SBT NGS	
278	Lee , Jar-How	*24	*68	*51	*81	*15	*18	*24:02	*68:02	*51:01	*81:01	*15:02	*18:01		
6649	Lim , Young Ae	*24	*68	*51	*81									SSP	
731	Loewenthal , Ron	*24	*68	*51	*81	*15	*18	*24:02:01G	*68:02:01	*51:01:01G	*81:01:01G	*15:02:01G	*18:01	SSP SSO SBT	
8001	Rao , Prakash	*24	*68	*51	*81	*15	*18								
3625	Rees , Tracey	*24	*68	*51	*81	*15	*18	*24:02	*68:02	*51:01	*81:01	*15:02	*18:01		B*51:193
4251	Schiller , Jennifer	*24	*68	*51	*81	*15	*18	*24:02	*68:02	*51:01P	*81:01:01G	*15:02:01G	*18:01:01G	SSO SBT	
5642	Varnavidou-Nicolai	*24	*68	*51	*81	*15	*12							SSP	
3186	Watson , Narelle	*24	*68	*51	*81	*15	*18							SSO	
16	Zhang , Aiwen	*24	*68	*51	*81	*15	*18	*24:02:01	*68:02:01	*51:01:01	*81:01	*15:02:01	*18:01	SBT NGS	

Table 14. Individual laboratory results for Cell #1596															
		Low Resolution						High Resolution							
Center	**Investigator**	**HLA-A**		**HLA-B**		**HLA-C**		**HLA-A**		**HLA-B**		**HLA-C**		**Method**	**Other Alleles**
5462	Arnold , Paula	*02	*25	*18	*44	*05	*12	*02:01	*25:01	*18:01	*44:02	*05:01	*12:03	SSO NGS	
5133	Askar , Medhat							*02:01:01:01	*25:01:01	*18:01:01:02	*44:02:01:01	*05:01:01	*12:03:01	NGS	
4492	Caillat-Zucman , S	*02	*25	*18	*44	*05	*12							SSP	
774	Cecka , J. Michael	*02	*25	*18	*44	*05	*12							SSP	
8070	Chang , Uckjin							*02:01	*25:01	*18:01	*44:02	*05:01	*12:03	SBT	
3632	Colombe , Beth W.	*02	*25	*18	*44	*05	*12	*02:01	*25:01	*18:01	*44:02	*05:01	*12:03	SSP SSO	
779	Daniel , Claude	*02	*25	*18	*44	*05	*12							SSP SSO	
3766	Dunckley , Heather	*02	*25	*18	*44	*05	*12							SSO	
5214	Eckels/CPMC ,	*02	*25	*18	*44	*05	*12							SSO	
747	Ferrari-Lacraz , Syl													SSP SSO NGS	
762	Fischer , Gottfried							*02:01:01:01	*25:01:01	*18:01:01:02	*44:02:01:01	*05:01:01:02	*12:03:01:01	SSO NGS	
4079	Fort , Marylise	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	SSP SSO	
8043	Gideoni , Osnat	*02	*25	*18	*44	*05	*12	*02:01	*25:01	*18:01	*44:02	*05:01	*12:03	SSP SSO	
3545	Goldstein , Steven	*02	*25	*18	*44	*05	*12	*02:01	*25:01	*18:01	*44:02	*05:01	*12:03	SSP SSO SBT	A*02:629 C*12:143 C*12:167 B*18:17N B*44:19N
810	Hamdi , Nuha	*02	*25	*18	*44	*08	*12							SSO	
3808	Hogan , Patrick	*02	*25	*18	*44	*05	*12							SSP	
771	Israel , Shoshana	*02	*25	*18	*44	*05	*12	*02:01	*25:01	*18:01	*44:02	*05:01	*12:03	SSO SBT	
725	Lardy , N.M.	*02	*25	*18	*44	*05	*12							SSO	
745	Latham , Katy							*02:01:01:01	*25:01:01	*18:01:01:02	*44:02:01:01	*05:01:01:02	*12:03:01:01	SSP SBT NGS	
278	Lee , Jar-How	*02	*25	*18	*44	*05	*12	*02:01	*25:01	*18:01	*44:02	*05:01	*12:03		
6649	Lim , Young Ae	*02	*25	*18	*44									SSP	
731	Loewenthal , Ron	*02	*25	*18	*44	*05	*12	*02:01:01	*25:01:01	*18:01:01G	*44:02:01G	*05:01:01	*12:03:01G	SSP SSO SBT	
8001	Rao , Prakash	*02	*25	*18	*44	*05	*12								
3625	Rees , Tracey	*02	*25	*18	*44	*05	*12	*02:01	*25:01	*18:01	*44:02	*05:01	*12:03		A*02:629 B*18:17N B*44:19N C*12:167
4251	Schiller , Jennifer	*02	*25	*18	*44	*05	*12	*02:01:01G	*25:01	*18:01:01G	*44:02:01G	*05:01	*12:03:01G	SSO SBT	
5642	Varnavidou-Nicolai	*02	*25	*18	*44	*05	*12							SSP	
3186	Watson , Narelle	*02	*25	*18	*44	*05	*12							SSO	
16	Zhang , Aiwen	*02	*25	*18	*44	*05	*12	*02:01:01	*25:01:01	*18:01:01	*44:02:01	*05:01:01	*12:03:01	SBT NGS	

Table 15. Individual laboratory results for Cell #1593-1596 by serology

		Cell No 1593 (Mixed)								Cell No 1594 (Asian Indian)									Cell No 1595 (Black)								Cell No 1596 (Caucasian)								
Investigator	Days Old	Viab %	A26	A30	B38	B49	Cw7	Bw4	OTHERS	Viab %	A31	A68	B62	B70	Cw3	Cw7	Bw4	Bw6	OTHERS	A24	A68	B51	B81	Bw4	Bw6	OTHERS	Viab %	A2	A25	B18	B44	Cw5	Bw4	Bw6	OTHERS
Cecka, J. Mic	2	>95	+	+	+	+		+		>95	+	+	+	B71				+		+	+	+	+	+	+		>95	+	+	+	+		+	+	
Dunckley, Hea		85	+	+	+	+				90	+	+	+	B71						+	+	+	+				85	+	+	+	+				
Enczmann, J		95	+	+	+	+				95	+	+	+	B71						+	+	+	+				95	+	+	+	+				
Ferrari-Lacra		90	+	+	+	+	+	+	Cw12	90	+	A28	+	+	Cw9	+		+									NT								
Fort, Marylis	3	98	+	+	+	+				NT										+	+	+	+				NT								
Hahn, Amy B.		99	+	+	+	+		+		98	+	+	+	B72				+		+	+	+	+	+	+		99	+	+	+	+		+	+	
Hogan, Patric		90	+	+	+	+	+	+		90	+	+	+	+	+	+		+		+	+	+	+	+	+		90	+	+	+	+	+	+	+	
Latham, Katy		95	+	+	+	+		+		100	+	+	+	B71				+		+	+	+	+	+	+		99	+	+	+	+		+	+	
Loewenthal ,		70	+	+	+	+	+	+		75	+	+	+	+	+	+		+		+	+	+		+	+		80	+	+	+	+	+	+	+	
Permpikul, Ve	6	50								50																	50								
Pule, Ziningi		80	+	+	+	+	+		B44,B52>	80	+	+	+	+	+	+			B73	+	+	+	+			Cw4,B7	80	+	+	+	+	+			B12
Rees, Tracey	7	80	+	+	+	+	+	+		60	+	A28	+	+	+	+		+		+	A28	+	+	+	+		80	+	+	+	+	+	+	+	
Renac, Virgin	3	100	+	+	+	B21		+		100	+	A28	B15					+		+	A28	+	+	+	+		100	+	+	+	+		+	+	
Shai, Isaac	8	90	+	+	+	+	+	+	A31,Cw3	86	+	A28	+	B35	+	+		+	B75	+	A28	B5	+	+	+	Cw4,B7	86	+	+	+	+	+	+	+	
Varnavidou-Ni	7	98	+	+	+	+		+		98	+	+	+	B71				+		+	+	+	+	+	+		98	+	+	+	+		+	+	
Vidan-Jeras,	6	NT								NT																	NT								
Watson, Narel	6	95	+	A19	+	+		+		95	A19	A28	B15					+									95	+	+	+	+		+	+	
Zhang, Aiwen	2	95	+	+	+	+	+			95	A19	A28	+		+	+				+	A28	+	+				95	+	+	+	+				