

REPORT OF THE 394th CELL EXCHANGE

OCTOBER 5, 2016

| | |
|--------------|-----------|
| B-cell Lines | 529-530 |
| Cells | 1573-1576 |
| Sera | 1201-1204 |

B-cell Line Exchange #265

The results for B-cell Line Exchange #265 are summarized in Tables 1 - 2 and individual laboratory results reported for each sample are listed in Tables 3 - 8. We are most grateful to **Jean-Marie Tiercy, University Hospital of Geneva** and to **Helen Bass, Jane Rowlands, and Tracey Reese, Welsh**

Blood Service, Pontyclun, for generously sharing the interesting cells examined in this exchange.

The haplotype frequencies used in this report are from the NMDP Bioinformatics website, <http://bioinformatics.nmdp.org/>.

Ter-529. The reported type for this sample from a Black donor is DRB1*13:01-DRB1*15:03-DRB3*01:01-DRB5*01:01-DQA1*01:02-DQA1*05:05-DQB1*03:01-DQB1*06:02-DPA1*01:03-DPB1*18:01-DPB1*104:01/*03:01-A*30:09-A*80:01-B*07:02-B*81:01-C*07:02-C*18. One likely class II association in this cell is DRB1*15:03-DRB5*01:01-DQA1*01:02-DQB1*06:02, observed in previous exchange cells, Ter 434 (same as Ter 275 and Ter 146) and Ter 442 (same as Ter 340 and Ter 215). The other likely haplotype present may then DRB1*13:01-DRB3*01:01-DQA1*05:05-DQB1*03:01. The DRB1*13:01-DQB1*03:01 association in this cell is observed exclusively in African American populations, with HF=0.00063.

DRB1*13:01 (100%) and DRB1*15:03 (97%) were reported as the B-locus types in this cell, with 5 labs reporting DRB1*13:01:01 and 6 labs reporting DRB1*15:03:01. DQB1*03:01 and DQB1*06:02 were each reported by 100% of labs reporting at high resolution. DPB1*18:01 was reported in complete consensus. The assignment of the second DPB1 type was unresolved, as 14 labs assigned DPB1*104:01, 9 labs assigned DPB1*03:01, 3 labs assigned DPB1*03:01:01G, and 1 lab assigned DPB1*03:01P. DPB1*104:01 differs from DPB1*03:01 in exon 4 by a single nucleotide substitution at codon 205 (GTG → ATG), which results in an amino acid change from valine to methionine.

This cell was previously studied several times in the class I DNA extract exchange as ext 530 (2011), ext 329 (2005), and ext 261(2003). In this present study, the rare A*30 subtype, A*30:09, was assigned in complete consensus by labs reporting at high resolution. A*80:01 (100%) was reported as the second A-locus type, with 4 labs assigning A*80:01:01. B*07:02 (100%) and B*81:01 (100%) were the B-locus types. C*07:02 was assigned by 100%. The assignment of the second C-locus type remained unresolved as C*18:02 was assigned by 10 labs, C*18:01 by 5 labs, and C*18:01:01G by 2

labs. C*18:02 differs from C*18:01 in exon 5 by a single nucleotide substitution (GTT → GCT) at codon 295, resulting in an amino acid change from valine to alanine.

Ter-530. The reported type for this sample from a Caucasian donor is DRB1*01:01-DRB1*01:03-DQA1*01:01-DQB1*05:01-DPA1*01:03-DPA1*02:01-DPB1*04:01-DPB1*10:01-A*01:01-A*25:04-B*08:01-B*15:01-C*01:02-C*07:01. One likely class II association present in this cell is DRB1*01:01-DQA1*01:01-DQB1*05:01, observed in a number of previous exchange cells, most recently Ter 478 (same as Ter 392) and the workshop cell IHW9326 (same as Ter 479 and Ter 461). The other likely haplotype present is DRB1*01:03-DQA1*01:01-DQB1*05:01, observed in Ter 428 (same as Ter 310 and Ter 290) and Ter 497 (same as Ter 387).

This cell was previously typed for class II as Ter 418 (2008), as astutely noted by Rao. As in the 2008 study, the class II subtypes for this cell were all well assigned. Two subtypes of DRB1*01 were present in this cell. The first, DRB1*01:01 was reported in complete consensus, with 5 labs (3 NGS + 2 SBT) assigning DRB1*01:01:01. DRB1*01:03 (100%) was reported as the second DRB1*01 subtype. DQA1*01:01, DQB1*05:01, DPA1*01:03, DPA1*02:01, DPB1*04:01, and DPB1*10:01 were also reported in complete consensus by labs reporting at high resolution.

This cell was previously typed in the class I DNA extract exchange as Ext 493 (2010). It was the first time A*25:04 was typed in the exchange. In this present typing, A*25:04 was reported by 20/20 labs reporting at high resolution. A*01:01 was assigned as the second A-locus typed, with 4 labs (3 NGS + 1 SBT) assigning A*01:01:01:01. B*08:01 (96%), B*15:01(100%), C*01:02 (94%) and C*07:01(94%) were well assigned.

Table 3a: Individual laboratory results for B-cell #529-Class II

| Center | Investigator | Low resolution | | | | | | | | | | | | METHOD | Other Alleles |
|--------|-----------------------|----------------|-----|-----------|-----------|------|-----|----------|-----|------|-----|------|------|-------------|---------------|
| | | DRB1 | | DRB3/4/5 | | DQA1 | | DQB1 | | DPA1 | | DPB1 | | | |
| 5488 | Adams , Sharon | | | 3*01 | 5*01 | *01 | *05 | | | | | | | SSP SSO SBT | |
| 5462 | Arnold , Paula | *13 | *15 | 3*01 | 5*01 | *01 | *05 | *03 | *06 | *01 | *01 | *18 | *104 | SSP SSO SBT | |
| 774 | Cecka , J. Michael | *13 | *15 | 3*01 | 5*01 | *01 | *05 | *03 | *06 | *01 | | *18 | *104 | RT-PCR | |
| 9916 | Charlton , Ronald K | *13 | *15 | | | | | *03 | *06 | | | | *03 | SSP | DPB1*18 B*55 |
| 8021 | Clark , Brendan | | | | | | | | | | | | | SSO | DPB1*104 |
| 3632 | Colombe , Beth W. | *13 | *15 | 3*01 | 5*01 | *01 | *05 | *03 | *06 | *01 | | *18 | *104 | SSP SSO | |
| 5130 | Costeas , Paul A. | *13 | *15 | 3*01 | 5*01 | *01 | *05 | *03 | *06 | | | | | SSP SSO | |
| 779 | Daniel , Claude | *13 | *15 | 3*01 | 5*01 | *01 | *05 | *03 | *06 | *01 | *01 | *18 | *03 | SSO | |
| 5219 | Daniel , Dolly | *13 | *15 | | | | | *03 | *06 | | | | | | |
| 8099 | Danish , Adel | *13 | *15 | | | *01 | *05 | *03 | *06 | | | | | SSO | |
| 1108 | DeConinck , Martha | *13 | *15 | 3*01 | 5*01 | *01 | *05 | *03 | *06 | *01 | *01 | *18 | *03 | SSO | DPB1*104 |
| 87 | Di Paola , Nicholas | *13 | *15 | 3*01 | 5*01 | *01 | *05 | *03 | *06 | *01 | *01 | *18 | *20 | RT-PCR | |
| 5214 | Eckels/CPMC , | *13 | *15 | 3*01 | 5*01 | *01 | *05 | *03(DQ7) | *06 | *01 | *01 | *18 | *03 | SSO | |
| 747 | Ferrari-Lacraz , Sylv | *13 | *15 | 3*01 | 5*01 | *01 | *05 | *03 | *06 | | | *18 | *03 | SSP SSO SBT | |
| 4079 | Fort , Marylise | *13 | *15 | | | | | *03 | *06 | | | | | SSP SSO | |
| 792 | Gandhi , Manish | *13 | *15 | 3*01 | 5*01 | *01 | *05 | *03 | *06 | *01 | | *18 | *104 | SSP SSO SBT | |
| 8087 | Guerra , Q.F.B. Elba | *13 | *15 | | | *01 | *05 | *03 | *06 | | | | | | |
| 810 | Hamdi , Nuha | | | | | | | | | | | | | SSO | |
| 1694 | Hesse , Nicole | *13 | *15 | 3*PRESENT | 5*PRESENT | | | *03 | *06 | | | | | SSP | |
| 8043 | Hod , Reut | *13 | *15 | | | *01 | *05 | *03 | *06 | | | | | SSP SSO | |
| 771 | Israel , Shoshana | *13 | *15 | | | | | *03 | *06 | | | | | SSP SSO | |
| 794 | Jaatinen , Taina | *13 | *15 | 3*01 | 5*01 | *01 | *05 | *03 | *06 | *01 | | *18 | *03 | SSP SSO SBT | |
| 725 | Lardy , N.M. | *13 | *15 | 3*PRESENT | 5*PRESENT | *01 | *05 | *03 | *06 | | | | | RT-PCR | |
| 278 | Lee , Jar-How | *13 | *15 | 3*01 | 5*01 | *01 | *05 | *03 | *06 | *01 | *01 | *18 | *104 | SSO | |
| 6649 | Lim , Young Ae | *13 | *15 | 3*PRESENT | 5*PRESENT | | | | | | | | | SSP | |
| 2400 | Liu , Chang | *13 | *15 | 3*01 | 5*01 | *01 | *05 | *03 | *06 | | | *18 | *03 | SSP SSO SBT | |
| 731 | Loewenthal , Ron | *13 | *15 | | | *01 | *05 | *03 | *06 | | | | | SSP SSO SBT | |
| 206 | McAlack , Robert | *13 | *15 | 3*01 | 5*01 | *01 | *05 | *03 | *06 | *01 | *01 | *18 | *03 | SSO | |
| 8042 | Muncher , Liora | *13 | *15 | 3*01 | 5*01 | NT | NT | *03 | *06 | NT | NT | NT | NT | SSP SSO | |
| 54 | Pancoska , Carol | *13 | *15 | 3*01 | 5*01 | *01 | *05 | *03 | *06 | *01 | | *18 | *03 | SSO | |
| 3966 | Permpikul , Vejbaes | | | | | | | | | | | | | SSP | |
| 8001 | Rao , Prakash | *13 | *15 | 3*PRESENT | 5*PRESENT | *01 | *05 | | | | | | | SSP SSO | |
| 3519 | Renac , Virginie | *13 | *15 | | | | | *03 | *06 | | | *18 | *03 | SSP SBT | |
| 793 | Rubocki , Ronald | *13 | *15 | 3*PRESENT | 5*PRESENT | *01 | *05 | *03 | *06 | | | *18 | | RT-PCR | |
| 4251 | Schiller , Jennifer | *13 | *15 | 3*01 | 5*01 | *01 | *05 | *03 | *06 | *01 | *01 | *18 | *03 | SSP | |
| 8068 | Shanmugam , Hem | *13 | *15 | 3*01 | 5*01 | | | *03 | *06 | | | | | SSO NGS | |
| 8029 | Tarigopula , Anil | *13 | *15 | | | *01 | *05 | *03 | *06 | | | | | SSP SSO | |
| 5451 | Tilanus , Marcel G.J | *13 | *15 | 3*01 | 5*01 | *01 | *05 | *03 | *06 | | | | | SSO | |
| 5642 | Varnavidou-Nicolaic | *13 | *15 | 3*PRESENT | 5*PRESENT | | | *03 | *06 | | | | | SSO SBT | |
| 2847 | Wakita , Atsushi | *13 | *15 | | | | | | | | | | | SSP | |
| | | | | | | | | | | | | | | SSO | |

Table 3b: Individual laboratory results for B-cell #529-Class II

| Intermediate/High resolution | | | | | | | | | | | | | | |
|------------------------------|----------------------|------------|--------------|---------------|------------|--------------|--------------|--------------|------------|--------------|--------|------------|-----------------------|---|
| Center | Investigator | DRB1 | | DRB3/4/5 | | DQA1 | | DQB1 | | DPA1 | DPB1 | | METHOD | Other Alleles |
| 5488 | Adams , Sharon | *13:01:01 | *15:03:01 | | | | | *03:01 | *06:02 | | *18:01 | *104:01 | SSP SSO SBT | |
| 5462 | Arnold , Paula | *13:01 | *15:03 | 3*01:01 | 5*01:01 | NT | NT | *03:01 | *06:02 | *01:03 | *18:01 | *104:01 | SSP SSO SBT RT-PCR | DRB3*01:16 DRB5*01:16 DRB3*01:19 DRB5*01:17 DPA1*01:13 DRB5*01:15 DRB3*01:17 |
| 5133 | Askar , Medhat | *13:01:01 | *15:03:01 | 3*01:01:02:01 | 5*01:01:01 | *01:02:01 | *05:05:01 | *03:01:01 | *06:02:01 | *01:03:01 | *18:01 | *104:01 | NGS | |
| 4492 | Caillat-Zucman , Sc | *13:01:01 | *15:03:01 | 3*01:01 | 5*01:01 | *01:01/*02+ | *05:05 | *03:01:01 | *06:02:01 | *01:03 | *18:01 | *104:01 | SSO NGS | DPA1*01:13 DQA1*05:09 DQA1*05:11 |
| 774 | Cecka , J. Michael | *13:01 | *15:03 | 3*01:01 | 5*01:01 | *01:02 | *05:05 | *03:01 | *06:02 | *01:03 | *18:01 | *104:01 | SSP SSO | DRB3*01:16 DQB1*03:92 DPA1*01:13 DQB1*03:93 DQB1*06:84 DQB1*06:107 DQB1*06:109 DQB1*06:111 DQB1*06:113 DQB1*06:114 DQB1*06:116 DQB1*06:117 DQB1*06:127 DRB1*13:166 DRB1*13:173 DRB1*13:186 |
| 8070 | Chang , Uckjin | *13:01 | *15:01 | | | | | | | | | | SSP SBT | |
| 3224 | Chen , Dong-Feng | *13:01:01G | *15:03 | 3*01:01:02G | 5*01:01:01 | *01:02 | *05:05:01 | *03:01 | *06:02 | *01:03:01 | *18:01 | *104:01 | SSP SBT | |
| 8021 | Clark , Brendan | *13:01 | *15:03 | 3*01:01 | 5*01:01 | *01:01 | *05:05 | *03:01 | *06:02 | *01:03 | *18:01 | *03:01 | SSO | |
| 3632 | Colombe , Beth W. | *13:01 | *15:03 | 3*01:01 | 5*01:01 | *01:02 | *05:05 | *03:01 | *06:02 | *01:03 | *18:01 | *104:01 | SSP SSO | |
| 5130 | Costeas , Paul A. | *13:01 | *15:03 | 3*01:01 | 5*01:01 | *01:02 | *05:05 | *03:01 | *06:02 | | | | SSP SSO | |
| 779 | Daniel , Claude | *13:01 | *15:03 | 3*01:01 | 5*01:01 | *01:02 | | *03:01 | *06:02 | *01:03 | *18:01 | *03:01:01G | SSO | |
| 5214 | Eckels/CPMC , | | | | | | | | | *01:03 | *18:01 | *03:01:01G | | |
| 3135 | Enczmann , J | *13:01 | *15:03 | 3*01:01 | 5*01:01 | | | *03:01 | *06:02 | | *18:01 | *03:01 | | |
| 747 | Ferrari-Lacraz , Syl | *13:01:01G | *15:03 | 3*01:01 | 5*01:01 | | | *03:01:01G | *06:02:01G | | *18:01 | *03:01 | SSP SSO SBT | |
| 762 | Fischer , Gottfried | *13:01 | *15:03 | 3*01:01 | 5*01:01 | *01:02 | *05:05 | *03:01 | *06:02 | | *18:01 | *03:01 | SBT | DPB1*104:01 DRB1*13:117 DRB3*01:16 DRB3*01:02 DRB3*01:04 DQB1*03:19 DQB1*03:29 |
| 4079 | Fort , Marylise | *13:01 | *15:03 | | | *01:02 | *05:05 | *03:01 | *06:02 | | *18:01 | *03:01 | SSP SSO | DQA1*01:08 DQA1*01:09 DQA1*01:11 DQA1*05:09 DQA1*05:11 DPB1*104:01 |
| 792 | Gandhi , Manish | *13:01 | *15:03 | | | *01:02 | *05:05 | *03:01 | *06:02 | | *18:01 | *104:01 | SSP SSO SBT | |
| 810 | Hamdi , Nuha | *13:01 | *15:03 | 3*01:01 | 5*01:01 | *01:02 | *05:05 | *03:01 | *06:02 | | | | SSO | |
| 8043 | Hod , Reut | *13:01 | *15:03 | | | *01:02 | *05:05 | *03:01 | *06:02 | | | | SSP SSO | |
| 2344 | Hurley , Hartzman& | *13:01:01 | *15:03:01:01 | | | *01:02:01:01 | *05:05:01:01 | *03:01:01:01 | *06:02:01 | *01:03:01:02 | *18:01 | *104:01 | SSO NGS | DQA1*01:02:01:02 DQA1*01:02:01:03 DQA1*05:05:01:03 DQB1*03:01:01:02 DQA1*01:02:01:04 DQB1*03:01:01:03 DQA1*05:05:01:02 |
| 771 | Israel , Shoshana | *13:01 | *15:03 | | | | | *03:01 | *06:02 | | | | SSP SSO | |

Table 3b: Individual laboratory results for B-cell #529-Class II

| Intermediate/High resolution | | | | | | | | | | | | | | |
|------------------------------|---------------------|------------|-----------|----------|---------|------------|--------|------------|-----------|--------|--------|------------|-----------------------|--|
| Center | Investigator | DRB1 | | DRB3/4/5 | | DQA1 | | DQB1 | | DPA1 | DPB1 | | METHOD | Other Alleles |
| 794 | Jaatinen , Taina | *13:01 | *15:03 | 3*01:01 | 5*01:01 | *01:02 | *05:05 | *03:01 | *06:02 | *01:03 | *18:01 | *03:01 | SSP SSO SBT RT-PCR | DQA1*01:11 DQA1*05:09 DPA1*01:13 DQA1*01:08 DQA1*01:09 DQA1*05:11 DPB1*104:01 DRB1*13:105 DRB1*13:117 DRB1*13:190 DRB1*13:166 DRB3*01:16 DRB5*01:15 |
| 8086 | Keming , Du | *13:01 | *15:03 | | | *01:02 | *05:05 | *03:01 | *06:02 | *01:03 | *18:01 | *104:01 | SSP SSO SBT | DRB1*13:105 DRB1*13:112 DRB1*13:117 DRB1*13:173 DRB1*13:121 DRB1*13:166 |
| 4337 | Kim , Tai-Gyu | *13:01 | *15:03 | | | | | *03:01 | *06:02 | | *18:01 | *104:01 | SSP SBT | |
| 278 | Lee , Jar-How | *13:01 | *15:03 | 3*01:01 | 5*01:01 | *01:02 | *05:05 | *03:01 | *06:02 | *01:03 | *18:01 | *104:01 | | |
| 2400 | Liu , Chang | *13:01 | *15:03 | | | *01:02 | *05:05 | *03:01 | *06:02 | | *18:01 | *03:01P | SSP SSO SBT | |
| 731 | Loewenthal , Ron | *13:01:01G | *15:03:01 | | | | | *03:01:01G | *06:02:01 | | | | SSP SSO SBT | |
| 8042 | Muncher , Liora | *13:01 | *15:03 | 3*01:01 | 5*01:01 | NT | NT | *03:01 | *06:02 | NT | NT | NT | SSP SSO | |
| 3966 | Permpikul , Vejbaes | *13:01 | *15:03 | 3*01:01 | 5*01:01 | | | *03:01 | *06:02 | | | | SSP | |
| 8001 | Rao , Prakash | *13:01 | *15:03 | 3*01:01 | 5*01:01 | | | *03:01 | *06:02 | | *18:01 | *03:01 | SSP SSO | DPB1*104:01 |
| 3753 | Reed , Elaine F. | *13:01 | *15:03 | 3*01:01 | 5*01:01 | *01:02:01G | *05:05 | *03:01 | *06:02 | *01:03 | *18:01 | *03:01 | SSO SBT | DQB1*03:69 DQB1*06:48 DQA1*01:01:03 DRB3*01:04 DPB1*293:01 DPB1*222:01 DQB1*06:82 DQA1*05:09 DQB1*03:29 DQB1*03:74 DRB5*01:15 DPB1*104:01 DPB1*329:01 DQA1*05:11 DQB1*06:122 DRB3*01:16 DPB1*270:01 DPA1*01:13 |
| 3519 | Renac , Virginie | *13:01 | *15:03 | 3*01:01 | 5*01:01 | *01:02 | *05:05 | *03:01 | *06:02 | | *18:01 | *03:01 | SSP SBT RT-PCR | DRB1*13:117 DPB1*104:01 |
| 793 | Rubocki , Ronald | | | | | *01:02 | *05:05 | | | | *18:01 | *03:01:01G | SSP | |
| 4251 | Schiller , Jennifer | *13:01 | *15:03 | | | *01:02 | *05:05 | *03:01 | *06:02 | *01:03 | *18:01 | *104:01 | SSO NGS | |
| 5451 | Tilanus , Marcel G. | *13:01:01 | *15:03:01 | | | | | | | | | | SSO SBT | |
| 5642 | Varnavidou-Nicolaid | *13:01 | *15:03 | | | | | *03:01 | *06:02 | | | | SSP | DRB1*15:94 |
| 3511 | Zeevi , Adriana | *13:01 | *15:03 | 3*01:01 | 5*01:01 | *01:02 | *05:05 | *03:01 | *06:02 | | *18:01 | *104:01 | SSP SSO | |

| Table 4: Individual laboratory results for B-cell #529-Class II | | | | | | | | | |
|---|----------------|------|------|------|------|-----|-----|------|------|
| Serology | | | | | | | | | |
| CTR | DIRNAME | DR13 | DR15 | DR51 | DR52 | DQ1 | DQ7 | OTH1 | OTH2 |
| 910 | Hahn,Amy B. | + | + | + | + | + | + | DR18 | |
| 4908 | Kvam,Vonnett | + | + | + | + | + | + | | |
| 54 | Pancoska,Carol | + | + | + | + | DQ6 | + | | |

Table 5: Individual laboratory results for B-cell #529-Class I

| Center | Investigator | Low resolution | | | | | | High resolution | | | | | | METHOD | Other Alleles |
|--------|-----------------------|----------------|-----|-------|-----|-------|-----|-----------------|--------------|------------|--------|--------------|------------|-------------|--|
| | | HLA-A | | HLA-B | | HLA-C | | HLA-A | | HLA-B | | HLA-C | | | |
| 5488 | Adams , Sharon | | | *07 | *81 | *07 | *18 | *30:09 | *80:01:01 | | | | | SSP SSO SBT | |
| 5462 | Arnold , Paula | NT | | | | | | NT | | | | | | SSP SSO SBT | |
| 5133 | Askar , Medhat | | | | | | | *30:09 | *80:01:01 | *07:02:01 | *81:01 | *07:02:01 | *18:02 | NGS | |
| 4492 | Caillat-Zucman , Sc | | | | | | | *30:09 | *80:01:01:02 | *07:02:01 | *81:01 | *07:02:01:01 | *18:02 | SSO NGS | |
| 774 | Cecka , J. Michael | *30 | *80 | *07 | *81 | *07 | *18 | | | | *81:01 | | | SSP SSO | |
| 8070 | Chang , Uckjin | | | | | | | | | | | | | SSP SBT | |
| 9916 | Charlton , Ronald K | *30 | *80 | *07 | *81 | *07 | *18 | | | | | | | SSP | |
| 3224 | Chen , Dong-Feng | | | | | | | *30:09 | *80:01 | *07:02:01G | *81:01 | *07:02:01G | *18:01:01G | SSP SBT | B*07:202 B*07:80 |
| 8021 | Clark , Brendan | | | *07 | *81 | *07 | *18 | *30:09 | *80:01 | | | | | SSO | |
| 3632 | Colombe , Beth W. | | | | | | | | | | | | | SSP SSO | |
| 5130 | Costeas , Paul A. | *30 | *80 | *07 | *81 | *07 | *18 | *30:09 | *80:01 | *07:02 | *81:01 | *07:02 | *18:01 | SSP SSO | A*30:51 C*18:02 |
| 779 | Daniel , Claude | *30 | *80 | *07 | *81 | *07 | *18 | *30:09 | *80:01 | | | | | SSO | |
| 5219 | Daniel , Dolly | *30 | *80 | *07 | *81 | *07 | *18 | | | | | | | | |
| 8099 | Danish , Adel | *30 | *80 | *07 | *81 | *07 | *18 | | | | | | | SSO | |
| 1108 | DeConinck , Martha | *30 | *80 | *07 | *81 | *07 | *18 | | | | | | | SSO | |
| 87 | Di Paola , Nicholas | *30 | *80 | *07 | *81 | *07 | *18 | | | | | | | RT-PCR | |
| 3135 | Enczmann , J | | | | | | | *30:09 | *80:01 | *07:02 | *81:01 | *07:02 | *18:01 | | |
| 5214 | Eckels/CPMC , | *30 | *80 | *07 | *81 | *07 | *18 | | | | | | | SSO | |
| 747 | Ferrari-Lacraz , Sylv | | | | | | | | | | | | | SSP SSO SBT | |
| 762 | Fischer , Gottfried | | | | | | | | | | | | | SBT | |
| 4079 | Fort , Marylise | | | | | | | | | | | | | SSP SSO | |
| 792 | Gandhi , Manish | *30 | *80 | *07 | *81 | *07 | *18 | *30:09 | *80:01 | *07:02 | *81:01 | *07:02 | *18:02 | SSP SSO SBT | |
| 8087 | Guerra , Q.F.B. Elb | *30 | *80 | *07 | *81 | *07 | *18 | | | | | | | | |
| 810 | Hamdi , Nuha | | | | | | | *30:09 | *80:01 | *07:02 | *81:01 | *07:02 | *18:01 | SSO | |
| 1694 | Hesse , Nicole | *30 | *80 | *07 | *81 | *07 | *18 | | | | | | | SSP | |
| 8043 | Hod , Reut | | | | | | | | | | | | | SSP SSO | |
| 2344 | Hurley , Hartzman& | | | | | | | *30:09 | *80:01:01:02 | *07:02:01 | *81:01 | *07:02:01:01 | *18:02 | SSO NGS | C*07:02:01:02 C*07:02:01:03 C*07:02:01:04 C*07:02:01:05 |
| 771 | Israel , Shoshana | | | | | | | | | | | | | SSP SSO | |
| 794 | Jaatinen , Taina | *30 | *80 | *07 | *81 | *07 | *18 | *30:09 | *80:01 | *07:02 | *81:01 | *07:02 | *18:01 | SSP SSO SBT | B*07:61 B*07:161N B*81:02 C*07:50 C*07:349 |
| 8086 | Keming , Du | | | | | | | *30:09 | *80:01 | *07:02 | *81:01 | *07:02 | *18:02 | SSP SSO SBT | |
| 4337 | Kim , Tai-Gyu | | | | | | | *30:09 | *80:01 | *07:02 | *81:01 | *07:02 | *18:01 | SSP SBT | |
| 725 | Lardy , N.M. | | | | | | | | | | | | | SSO | |
| 278 | Lee , Jar-How | *30 | *80 | *07 | *81 | *07 | *18 | *30:09 | *80:01 | *07:02 | *81:01 | *07:02 | *18:02 | | |
| 6649 | Lim , Young Ae | | | | | | | | | | | | | SSP | |
| 2400 | Liu , Chang | *30 | *80 | *07 | *81 | *07 | *18 | *30:09 | *80:01 | *07:02 | *81:01 | *07:02 | *18:02 | SSP SSO SBT | |
| 731 | Loewenthal , Ron | | | | | | | | | | | | | SSP SSO SBT | |
| 206 | McAlack , Robert | *30 | *80 | *07 | *81 | *07 | *18 | | | | | | | SSO | |
| 8042 | Muncher , Liora | *30 | *80 | *07 | *81 | *07 | *18 | *30:09 | *80:01 | *07:02 | *81:01 | *07:02 | *18:02 | SSP SSO | |

| Table 5: Individual laboratory results for B-cell #529-Class I | | | | | | | | | | | | | | | |
|--|---------------------|----------------|-----|-------|-----|-------|-----|-----------------|--------|--------|--------|--------|------------|--------------------|--|
| Center | Investigator | Low resolution | | | | | | High resolution | | | | | | METHOD | Other Alleles |
| | | HLA-A | | HLA-B | | HLA-C | | HLA-A | | HLA-B | | HLA-C | | | |
| 54 | Pancoska , Carol | *30 | *80 | *07 | *81 | *07 | *18 | | | | | | | SSO | |
| 3966 | Permpikul , Vejbaes | *30 | *80 | *07 | *81 | *07 | *18 | | | | | | | SSP | |
| 8001 | Rao , Prakash | | | | | | | | | | | | | SSP SSO | |
| 3519 | Renac , Virginie | *30 | *80 | *07 | *81 | *07 | *18 | | | | | | | SSP SBT RT-PCR | |
| 3753 | Reed , Elaine F. | | | | | | | *30:09 | *80:01 | *07:02 | *81:01 | *07:02 | *18:01:01G | SSO SBT | B*07:80 B*07:161N C*07:50 C*07:349 B*07:61 B*07:202 B*81:02 |
| 3519 | Renac , Virginie | | | | | | | *30:09 | *80:01 | *07:02 | *81:01 | *07:02 | *18:02 | SSP SBT RT- PCR | B*81:02 |
| 793 | Rubocki , Ronald | | | | | | | | | | | | | SSP | |
| 4251 | Schiller , Jennifer | *30 | *80 | *07 | *81 | *07 | *18 | *30:09 | *80:01 | *07:02 | *81:01 | *07:02 | *18:02 | SSO NGS | |
| 8068 | Shanmugam , Hem | *30 | *80 | *07 | *81 | *07 | *18 | | | | | | | SSP SSO | |
| 8029 | Tarigopula , Anil | *30 | *80 | *07 | *81 | *07 | *18 | | | | | | | SSO | |
| 5451 | Tilanus , Marcel G. | | | | | | | | | | | | | SSO SBT | |
| 5642 | Varnavidou-Nicolaic | | | | | | | | | | | | | SSP | |
| 2847 | Wakita , Atsushi | *30 | *80 | *07 | *81 | *07 | *18 | | | | | | | SSO | |
| 3511 | Zeevi , Adriana | | | | | | | | | | | | | SSP SSO | |

Table 6a: Individual laboratory results for B-cell #530-Class II

| | | Low resolution | | | | | | | | | | | | | |
|--------|-----------------------|----------------|------|----------|----|------|-----|------|-----|------|-----|------------|-----|-----------------------|---------------|
| Center | Investigator | DRB1 | | DRB3/4/5 | | DQA1 | | DQB1 | | DPA1 | | DPB1 | | METHOD | Other Alleles |
| 5462 | Arnold , Paula | *01 | *01 | NP | NP | *01 | | *05 | | *01 | *02 | *04(DP401) | *10 | SSP SSO SBT RT-PCR | |
| 774 | Cecka , J. Michael | *01 | *01 | | | *01 | | *05 | | *01 | *02 | *04 | *10 | SSP SSO | |
| 9916 | Charlton , Ronald K | *01 | | | | | | *05 | | | | *04 | *10 | SSP | DQB1*03 |
| 3632 | Colombe , Beth W. | *01 | *01 | | | *01 | | *05 | | *01 | *02 | *04 | *10 | SSP SSO | |
| 5130 | Costeas , Paul A. | *01 | *01 | | | *01 | *01 | *05 | *05 | | | | | SSP SSO | |
| 779 | Daniel , Claude | *01 | *01 | | | *01 | | *05 | | *01 | *02 | *04(DP401) | *10 | SSO | |
| 5219 | Daniel , Dolly | *01 | *01 | | | | | *05 | *05 | | | | | | |
| 8099 | Danish , Adel | *01 | *01 | | | *01 | *01 | *05 | *05 | | | | | SSO | |
| 1108 | DeConinck , Martha | *01 | *103 | | | *01 | *01 | *05 | *05 | *01 | *02 | *04(DP401) | *10 | SSO | |
| 87 | Di Paola , Nicholas | *01 | *103 | | | *01 | *01 | *05 | *05 | *01 | *02 | *04(DP401) | *10 | RT-PCR | |
| 5214 | Eckels/CPMC , | *01 | *103 | | | *01 | | *05 | | *01 | *02 | *04(DP401) | *10 | SSO | |
| 747 | Ferrari-Lacraz , Sylv | *01 | *01 | | | *01 | *01 | *05 | *05 | | | *04 | *10 | SSP SSO SBT | |
| 4079 | Fort , Marylise | *01 | *01 | | | | | *05 | | | | | | SSP SSO | |
| 792 | Gandhi , Manish | *01 | *103 | | | *01 | | *05 | | *01 | *02 | *04 | *10 | SSP SSO SBT | |
| 8087 | Guerra , Q.F.B. Elba | *01 | *01 | | | *01 | *01 | *05 | *05 | | | | | | |
| 1694 | Hesse , Nicole | *01 | *01 | | | | | *05 | | | | | | SSP | |
| 8043 | Hod , Reut | *01 | *01 | | | *01 | | *05 | | | | | | SSP SSO | |
| 771 | Israel , Shoshana | *01 | | | | | | *05 | | | | | | SSP SSO | |
| 794 | Jaatinen , Taina | *01 | | NP | | *01 | | *05 | | *01 | *02 | *04 | *10 | SSP SSO SBT RT-PCR | |
| 725 | Lardy , N.M. | *01 | | | | *01 | | *05 | | | | | | SSO | |
| 278 | Lee , Jar-How | *01 | *01 | NT | NT | *01 | *01 | *05 | *05 | *01 | *02 | *04 | *10 | | |
| 6649 | Lim , Young Ae | *01 | | | | | | | | | | | | SSP | |
| 2400 | Liu , Chang | *01 | *01 | NP | NP | *01 | *01 | *05 | *05 | | | *04 | *10 | SSP SSO SBT | |
| 731 | Loewenthal , Ron | *01 | *01 | | | *01 | | *05 | | | | | | SSP SSO SBT | |
| 206 | McAlack , Robert | *01 | *01 | | | *01 | *01 | *05 | *05 | *01 | *02 | *04 | *10 | SSO | |
| 8042 | Muncher , Liora | *01 | *01 | NP | NP | NT | NT | *05 | *05 | NT | NT | NT | NT | SSP SSO | |
| 54 | Pancoska , Carol | *01 | *103 | | | *01 | | *05 | | *01 | *02 | *04(DP401) | *10 | SSO | |
| 8001 | Rao , Prakash | *01 | *01 | | | *01 | | *05 | | | | *04 | *10 | SSP SSO | |
| 3519 | Renac , Virginie | *01 | *103 | | | | | *05 | | | | *04(DP401) | *10 | SSP SBT RT-PCR | |
| 793 | Rubocki , Ronald | *01 | | | | *01 | | *05 | | | | *04(DP401) | *10 | SSP | |
| 4251 | Schiller , Jennifer | *01 | *01 | | | *01 | *01 | *05 | *05 | *01 | *02 | *04 | *10 | SSO NGS | |
| 8068 | Shanmugam , Hem | *01 | | | | | | *05 | | | | | | SSP SSO | |
| 8029 | Tarigopula , Anil | *01 | *01 | | | *01 | *01 | *05 | *05 | | | | | SSO | |
| 5451 | Tilanus , Marcel G.J. | *01 | *01 | | | *01 | | *05 | | | | | | SSO SBT | |
| 5642 | Varnavidou-Nicolaic | *01 | *01 | | | | | *05 | | | | | | SSP | |
| 2847 | Wakita , Atsushi | *01 | *01 | | | | | | | | | | | SSO | |

Table 6b: Individual laboratory results for B-cell #530-Class II

| Center | Investigator | High resolution | | | | | | | | | | METHOD | Other Alleles |
|--------|----------------------|-----------------|----------|------|-----------|--------------|--------------|--------------|-----------|--------------|-----------|-----------------------|---|
| | | DRB1 | DRB3/4/5 | DQA1 | DQB1 | | DPA1 | | DPB1 | | | | |
| 5488 | Adams , Sharon | *01:01:01 | *01:03 | | *01:01 | *05:01:01 | | | | *04:01:01 | *10:01 | SSP SSO SBT | |
| 5462 | Arnold , Paula | *01:01 | *01:03 | NP | *01:01P | *05:01 | | *01:03 | *02:01 | *04:01 | *10:01 | SSP SSO SBT RT-PCR | DPA1*01:13 DQA1*01:04 DQA1*01:12 DQA1*01:05 |
| 5133 | Askar , Medhat | *01:01:01 | *01:03 | | *01:01:01 | *05:01:01 | | *01:03:01:04 | *02:01:01 | *04:01:01 | *10:01:01 | NGS | |
| 4492 | Caillat-Zucman , Sc | *01:01:01 | *01:03 | | *01:01 | *05:01:01 | | *01:03 | *02:01 | *04:01:01 | *10:01:01 | SSO NGS | DQA1*01:04 DQA1*01:05 DQA1*01:12 DPA1*01:13 |
| 774 | Cecka , J. Michael | *01:01 | *01:03 | | *01:01 | *05:01 | | *01:03 | *02:01 | *04:01 | *10:01 | SSP SSO | DQB1*05:55 DQB1*05:58 DQB1*05:71 DQB1*05:72 DQB1*05:74 DQB1*05:75 DQB1*05:76 DQA1*01:12 DRB1*01:40N DRB1*01:50 DRB1*01:62N DRB1*01:64 DRB1*01:65 DRB1*01:67 DQB1*05:61 DQB1*05:68 DQB1*05:70 DRB1*01:39N DQB1*05:48 DQB1*05:49 DQB1*05:54 |
| 8070 | Chang , Uckjin | *01:01 | *01:03 | | | | | | | | | SSP SBT | |
| 3224 | Chen , Dong-Feng | *01:01:01G | *01:03 | NT | *01:01 | *05:01 | | *01:03 | *02:01 | *04:01 | *10:01 | SSP SBT | |
| 8021 | Clark , Brendan | *01:01 | *01:03 | | *01:01 | *05:01 | | *01:03 | *02:01 | *04:01 | *10:01 | SSO | |
| 3632 | Colombe , Beth W. | *01:01 | *01:03 | | *01:01 | *05:01 | | *01:03 | *02:01 | *04:01 | *10:01 | SSP SSO | |
| 5130 | Costeas , Paul A. | *01:01 | *01:03 | | *01:01 | *05:01 | *05:01 | | | | | SSP SSO | |
| 779 | Daniel , Claude | | *01:03 | | | *05:01 | | *01:03 | *02:01 | *04:01 | *10:01 | SSO | |
| 5214 | Eckels/CPMC , | | *01:03 | | | | | | *02:01 | *04:01:01G | | | |
| 3135 | Enczmann , J | *01:01 | *01:03 | | | *05:01 | *05:01 | | | *04:01 | *10:01 | | |
| 747 | Ferrari-Lacraz , Syl | *01:01:01G | *01:03 | | | *05:01 | *05:01:01G | | | *04:01 | *10:01 | SSP SSO SBT | |
| 762 | Fischer , Gottfried | *01:01 | *01:03 | | *01:01 | *05:01 | | | | *04:01 | *10:01 | SBT | DRB1*01:50 DRB1*01:67 |
| 4079 | Fort , Marylise | *01:01 | *01:03 | | *01:01 | *05:01 | | | | *04:01 | *10:01 | SSP SSO | DQA1*01:04 DQA1*01:05 DQA1*01:12 DRB1*01:65 |
| 792 | Gandhi , Manish | *01:01 | *01:03 | | *01:01 | *05:01 | | | | *04:01 | *10:01 | SSP SSO SBT | |
| 810 | Hamdi , Nuha | *01:01 | *01:03 | | *01:01 | *05:01 | *05:01 | | | | | SSO | |
| 8043 | Hod , Reut | *01:01 | *01:03 | | *01:01 | *05:01 | | | | | | SSP SSO | |
| 2344 | Hurley , Hartzman& | *01:01:01 | *01:03 | | *01:01:01 | *05:01:01:01 | *05:01:01:01 | *01:03:01:04 | *02:01:01 | *04:01:01:01 | *10:01 | SSO NGS | DPB1*04:01:01:02 DQB1*05:01:01:02 DQB1*05:01:01:02 |
| 771 | Israel , Shoshana | *01:01 | *01:03 | | | *05:01 | | | | | | SSP SSO | |
| 794 | Jaatinen , Taina | *01:01 | *01:03 | NP | *01:01 | *05:01 | | *01:03 | *02:01 | *04:01 | *10:01 | SSP SSO SBT RT-PCR | DRB1*01:50 DRB1*01:71 DPA1*01:13 DRB1*01:67 DQA1*01:04 DQA1*01:05 DQA1*01:12 DPB1*459:01 DPB1*464:01 |

Table 6b: Individual laboratory results for B-cell #530-Class II

| | | High resolution | | | | | | | | | | | |
|--------|---------------------|-----------------|--------|----------|------------|------------|--------|--------|--------|--------|--------|----------------|---|
| Center | Investigator | DRB1 | | DRB3/4/5 | DQA1 | DQB1 | | DPA1 | | DPB1 | | METHOD | Other Alleles |
| 8086 | Keming , Du | *01:01 | *01:03 | | *01:01 | *05:01 | *05:01 | *01:03 | *02:01 | *04:01 | *10:01 | SSP SSO SBT | DRB1*01:39N DRB1*01:49 DRB1*01:50 DPA1*01:06 DPA1*02:03 DRB1*01:07 DRB1*01:40N |
| 4337 | Kim , Tai-Gyu | *01:01 | *01:03 | | | *05:01 | *05:01 | | | *04:01 | *10:01 | SSP SBT | |
| 278 | Lee , Jar-How | *01:01 | *01:03 | | *01:01 | *05:01 | *05:01 | *01:03 | *02:01 | *04:01 | *10:01 | | |
| 2400 | Liu , Chang | *01:01 | *01:03 | | *01:01 | *05:01 | *05:01 | | | *04:01 | *10:01 | SSP SSO SBT | |
| 731 | Loewenthal , Ron | *01:01:01G | *01:03 | | | *05:01:01G | | | | | | SSP SSO SBT | |
| 8042 | Muncher , Liora | *01:01 | *01:03 | NP | NT | *05:01 | *05:01 | NT | NT | NT | NT | SSP SSO | |
| 3966 | Permpikul , Vejbaes | *01:01 | *01:03 | | | *05:01 | *05:01 | | | | | SSP | |
| 8001 | Rao , Prakash | *01:01 | *01:03 | | | *05:01 | | | | *04:01 | *10:01 | SSP SSO | |
| 3753 | Reed , Elaine F. | *01:01 | *01:03 | NP | *01:01:01G | *05:01 | *05:01 | *01:03 | *02:01 | *04:01 | *10:01 | SSO SBT | DPA1*01:13 |
| 3519 | Renac , Virginie | *01:01 | *01:03 | | *01:01 | *05:01 | | | | *04:01 | *10:01 | SSP SBT RT-PCR | |
| 793 | Rubocki , Ronald | | | | *01:01 | | | | | *04:01 | *10:01 | SSP | |
| 4251 | Schiller , Jennifer | *01:01 | *01:03 | | *01:01 | *05:01 | *05:01 | *01:03 | *02:01 | *04:01 | *10:01 | SSO NGS | |
| 5451 | Tilanus , Marcel G. | *01:01:01 | *01:03 | | | | | | | | | SSO SBT | |
| 5642 | Varnavidou-Nicolaïd | *01:01 | *01:03 | | | *05:01 | | | | | | SSP | DRB1*01:39N DRB1*01:22 DRB1*01:25 |
| 3511 | Zeevi , Adriana | *01:01 | *01:03 | | *01:01 | *05:01 | | | | *04:01 | *10:01 | SSP SSO | |

| Table 7: Individual laboratory results for B-cell #530-Class II | | | | | | | | | |
|---|----------------|-----|-------|--|-----|--|--|------|------|
| Serology | | | | | | | | | |
| CTR | DIRNAME | DR1 | DR103 | | DQ1 | | | OTH1 | OTH2 |
| 910 | Hahn,Amy B. | + | | | + | | | | |
| 4908 | Kvam,Vonnett | + | | | + | | | | |
| 54 | Pancoska,Carol | + | + | | + | | | | |

Table 8: Individual laboratory results for B-cell #530-Class I

| Center | Investigator | Low resolution | | | | | | High resolution | | | | | | METHOD | Other Alleles |
|--------|-----------------------|----------------|-----|-------|--------------|-------|-----|-----------------|--------|-----------|--------------|------------|--------------|-----------------------|---|
| | | HLA-A | | HLA-B | | HLA-C | | HLA-A | | HLA-B | | HLA-C | | | |
| 5488 | Adams , Sharon | | | *08 | *15 | *01 | *07 | *01:01:01:01 | *25:04 | | | | | SSP SSO SBT | |
| 5462 | Arnold , Paula | NT | | | | | | NT | | | | | | SSP SSO SBT RT-PCR | |
| 5133 | Askar , Medhat | | | | | | | *01:01:01:01 | *25:04 | *08:01:01 | *15:01:01:01 | *01:02:01 | *07:01:01:01 | NGS | |
| 4492 | Caillat-Zucman , So | | | | | | | *01:01:01:01 | *25:04 | *08:01:01 | *15:01:01:01 | *01:02:01 | *07:01:01:01 | SSO NGS | DQA1*01:04 DQA1*01:05 DQA1*01:12 DPA1*01:13 |
| 774 | Cecka , J. Michael | *01 | *25 | *08 | *15 | *01 | *07 | | | *08:01 | *15:01 | | | SSP SSO | B*08:19N B*08:109 B*08:121 B*08:127 B*08:131 B*15:01:01:02N B*15:102 B*15:104 B*15:140 B*15:146 B*15:201 B*15:227 B*15:228 B*15:247 B*15:317 B*15:320 B*15:321Q |
| 8070 | Chang , Uckjin | | | | | | | | | | | | | SSP SBT | |
| 9916 | Charlton , Ronald K | *01 | *25 | *08 | *15 | *01 | *07 | | | | | | | SSP | |
| 3224 | Chen , Dong-Feng | | | | | | | *01:01 | *25:04 | *08:01 | *15:01 | *01:02:01G | *07:01:01G | SSP SBT | |
| 8021 | Clark , Brendan | *01 | | *08 | *15 | *01 | *07 | | *25:04 | | | | | SSO | |
| 3632 | Colombe , Beth W. | | | | | | | | | | | | | SSP SSO | |
| 5130 | Costeas , Paul A. | *01 | *25 | *08 | *15 | *01 | *07 | *01:01 | *25:04 | *08:01 | *15:01 | *01:02 | *07:01 | SSP SSO | B*15:70 |
| 779 | Daniel , Claude | *01 | *25 | *08 | *15 | *01 | *07 | | *25:04 | | *15:01 | | | SSO | |
| 5219 | Daniel , Dolly | *01 | *25 | *08 | *15 | *01 | *07 | | | | | | | | |
| 8099 | Danish , Adel | *01 | *25 | *08 | *15 | *01 | *07 | | | | | | | SSO | |
| 1108 | DeConinck , Martha | *01 | *25 | *08 | *15 | *01 | *07 | | | | | | | SSO | |
| 87 | Di Paola , Nicholas | *01 | *25 | *08 | *15 | *01 | *07 | | | | | | | RT-PCR | |
| 5214 | Eckels/CPMC , | *01 | *25 | *08 | *15 (B62) | *01 | *07 | | | | | | | SSO | |
| 3135 | Enczmann , J | | | | | | | *01:01 | *25:04 | *08:01 | *15:01 | *01:02 | *07:01 | | C*07:06 C*07:18 |
| 747 | Ferrari-Lacruz , Sylv | | | | | | | | | | | | | SSP SSO SBT | |
| 762 | Fischer , Gottfried | | | | | | | | | | | | | SBT | |
| 4079 | Fort , Marylise | | | | | | | | | | | | | SSP SSO | |
| 792 | Gandhi , Manish | *01 | *25 | *08 | *15 | *01 | *07 | *01:01 | *25:04 | *08:01 | *15:01 | *01:02 | *07:06 | SSP SSO SBT | |
| 8087 | Guerra , Q.F.B. Elb | *01 | *25 | *08 | *15 | *01 | *07 | | | | | | | | |
| 810 | Hamdi , Nuha | | | | | | | *01:01 | *25:04 | *08:27 | *15:01 | *01:23 | *07:01 | SSO | |
| 1694 | Hesse , Nicole | *01 | *25 | *08 | *15 | *01 | *07 | | | | | | | SSP | |
| 8043 | Hod , Reut | | | | | | | | | | | | | SSP SSO | |
| 2344 | Hurley , Hartzman& | | | | | | | *01:01:01:01 | *25:04 | *08:01:01 | *15:01:01:01 | *01:02:01 | *07:01:01:01 | SSO NGS | |
| 771 | Israel , Shoshana | | | | | | | | | | | | | SSP SSO | |
| 794 | Jaatinen , Taina | *01 | *25 | *08 | *15 | *01 | *07 | *01:01 | *25:04 | *08:01 | *15:01 | *01:02 | *07:01 | SSP SSO SBT RT-PCR | C*01:85 C*07:343 C*07:419 |
| 8086 | Keming , Du | | | | | | | *01:01 | *25:04 | *08:01 | *15:01 | *01:02 | *07:01 | SSP SSO SBT | C*07:150Q |

Table 8: Individual laboratory results for B-cell #530-Class I

| Center | Investigator | Low resolution | | | | | | High resolution | | | | | | METHOD | Other Alleles |
|--------|---------------------|----------------|-----|-------|-----|-------|-----|-----------------|--------|--------|--------|--------|--------|-------------|--|
| | | HLA-A | | HLA-B | | HLA-C | | HLA-A | | HLA-B | | HLA-C | | | |
| 4337 | Kim , Tai-Gyu | | | | | | | *01:01 | *25:04 | *08:01 | *15:01 | *01:02 | *07:01 | SSP SBT | |
| 725 | Lardy , N.M. | | | | | | | | | | | | | SSO | |
| 278 | Lee , Jar-How | *01 | *25 | *08 | *15 | *01 | *07 | *01:01 | *25:04 | *08:01 | *15:01 | *01:02 | *07:01 | | |
| 6649 | Lim , Young Ae | | | | | | | | | | | | | SSP | |
| 2400 | Liu , Chang | *01 | *25 | *08 | *15 | *01 | *07 | *01:01:01G | *25:04 | *08:01 | *15:01 | *01:02 | *07:01 | SSP SSO SBT | |
| 731 | Loewenthal , Ron | | | | | | | | | | | | | SSP SSO SBT | |
| 206 | McAlack , Robert | *01 | *25 | *08 | *15 | *01 | *07 | | | | | | | SSO | |
| 8042 | Muncher , Liora | *01 | *25 | *08 | *15 | *01 | *07 | *01:01 | *25:04 | *08:01 | *15:01 | *01:02 | *07:01 | SSP SSO | |
| 54 | Pancoska , Carol | *01 | *25 | *08 | *15 | *01 | *07 | | | | | | | SSO | |
| 3966 | Permpikul , Vejbaes | *01 | *25 | *08 | | *01 | *07 | | | | *15:01 | | | SSP | |
| 8001 | Rao , Prakash | | | | | | | | | | | | | SSP SSO | |
| 3753 | Reed , Elaine F. | | | | | | | *01:01 | *25:04 | *08:01 | *15:01 | *01:02 | *07:01 | SSO SBT | B*08:21 B*15:70 B*15:78 C*01:85 C*07:16 C*07:18 B*08:04 B*08:12 B*08:56 B*08:71 B*15:07 B*15:30 B*15:50 B*15:251 B*15:324 C*01:22 C*01:54 C*01:58 C*01:60 C*07:176 C*07:248 C*07:250 C*07:343 B*08:23 B*08:37 B*08:89 B*15:56 B*15:63 B*15:142 C*07:06 C*07:40 C*07:141 B*08:35 B*08:50 B*08:110 B*15:236 C*01:12 C*01:17 |
| 3519 | Renac , Virginie | *01 | *25 | *08 | *15 | *01 | *07 | *01:01 | *25:04 | *08:01 | *15:01 | *01:02 | *07:01 | SSP SBT | |
| 793 | Rubocki , Ronald | | | | | | | | | | | | | RT-PCR | |
| 4251 | Schiller , Jennifer | *01 | *25 | *08 | *15 | *01 | *07 | *01:01 | *25:04 | *08:01 | *15:01 | *01:02 | *07:01 | SSP | |
| 8068 | Shanmugam , Hem | *01 | *25 | *08 | *15 | *01 | *07 | | | | | | | SSO NGS | |
| 8029 | Tarigopula , Anil | *01 | *25 | *08 | *15 | *01 | *07 | | | | | | | SSP SSO | |
| 5451 | Tilanus , Marcel G. | | | | | | | | | | | | | SSO | |
| 5642 | Varnavidou-Nicolaic | | | | | | | | | | | | | SSO SBT | |
| 2847 | Wakita , Atsushi | *01 | *25 | *08 | *15 | *01 | *07 | | | | | | | SSP | |
| 3511 | Zeevi , Adriana | | | | | | | | | | | | | SSO | |
| | | | | | | | | | | | | | | SSP SSO | |

CELL EXCHANGE #394

The results for Cell Exchange #394 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 1573. The reported type for this sample from a Hispanic donor is A*02:01(A2)-B*40:05(B4005/B50)-B44:02(B44)-C*05:01(Cw5)-C*07:02(Cw7). The likely class I associations in this cell are A*02:01-B*40:05-C*07:02 and A*02:01-B*44:02-C*05:01, with respective frequencies of 0.00025 and 0.01640, in Hispanics.

B*40:05 was reported in complete consensus by labs reporting at high resolution. By serology, however, no consensus was reached as B4005 and B50 were each assigned by 40%. Reese and Thornton commented the reactivity of B40 in this cell was very short. A*02:01 (100%) was reported as the sole A-locus type, with the 3 NGS labs reporting A*02:01:01:01. C*05:01 and C*07:02 were the assigned C-locus types, with NGS assigning C*05:01:01:02 and C*07:02:01:01.

Cell 1574. The reported type for this sample from a Hispanic donor is A*02:01(A2)-A*02:06-B*39:02(B39)-B*39:05-C*07:02(Cw7). The likely class I associations in this cell, A*02:01-B*39:02-C*07:02 and A*02:06-B*39:05-C*07:02, are exclusively observed in Hispanics, with respective frequencies of 0.00051 and 0.00631. Previously typed as cells 1424 (2011) and 1263 (2006), 2 different A*02 and B*39 subtypes were once again confirmed as being present in this cell. A*02:01 (100%) and A*02:06 (100%) were the A-locus types and B*39:02 (78%) and B*39:05 (82%) were the B-locus types. C*07:02 (94%) was the sole C-locus type, with 5 labs reporting C*07:02:01:01. A2 (100%), B39 (100%), and Cw7 (48%) were assigned by serology.

Cell 1575. The reported type for this sample from a Hispanic donor is A*32:01(A32)-A*68:01(A68)-B*15:15(B62)-B*35:08(B35)-C*01:02(Cw1)-C*04:01(Cw4). The likely class I associations in this cell are A*68:01-B*15:15

-C*01:02 and A*32:01-B*35:08-C*04:01, with respective frequencies of 0.00045 and 0.00126, in Hispanics. Molecularly, this sample was well typed as A*32:01 (100%), A*68:01 (100%), B*15:15 (100%), B*35:08 (100%), C*01:02 (100%), and C*04:01 (100%). Five labs assigned A*32:01:01, A*68:01:02, and B*35:08:01. Serologically, A32 (100%) and A68 (70%) were assigned as the A-locus types. B62 (55%) was reported as the B15 split. Latham commented the reactivity of B15 in this cell was short. Furthermore, Rees noted that the presence of B35 made it more difficult to assign the B15 split, which may explain the low assignment of B62. B35 was reported in complete consensus as the second B-locus type.

Cell 1576. The consensus type for this sample from an Asian donor is A*11:01(A11)-A*11:02(A11)-B*40:01(B60)-B*55:04(B55)-C*03:03(Cw9)-C*03:04(Cw10). One likely class I association in this cell is A*11:02-B*40:01-C*03:04, exclusively observed in Asians, with HF=0.00177. The other likely association may then be A*11:01-B*55:04-C*03:04. The association of A*11:01-B*55:04 in this cell is observed in JMDP01K039, one of the reference cells for B*55:04.

B*55:04 was reported in complete consensus by labs reporting at high resolution. This is the first time B*55:04 has been studied in the exchange. The other B-locus type was B*40:01 (100%). Two subtypes of A*11 were present in this cell, A*11:01 (100%) and A*11:02 (100%). A*11:01:01 and A*11:02:01 were each assigned by 4 labs. C*03:03 and C*03:04 were each reported in complete consensus, with 4 labs reporting C*03:03:01 and 4 labs reporting C*03:04:01. By serology, A11 (100%), B60 (100%), B55 (75%), and Cw3 (50%) were assigned.

Table 10. Summary of the 394th Cell Exchange (Cell #1573 - 1576)

Serological typing

| (Hispanic) Cell 1573 | |
|--------------------------------|----------|
| (20 Samples Typed) | |
| A2 | 100.0% |
| | [100.0%] |
| B4005 | 40.0% |
| B50 | 40.0% |
| B21 | 5.0% |
| | [85.0%] |
| B44 | 100.0% |
| | [100.0%] |
| Cw5 | 45.0% |
| | [45.0%] |
| Cw7 | 40.0% |
| Bw4 | 70.0% |
| Bw6 | 75.0% |
| Others Found | |
| B40 | 10.0% |
| A29 | 5.0% |
| B70 | 5.0% |
| A28 | 5.0% |

| (Hispanic) Cell 1574 | |
|--------------------------------|----------|
| (21 Samples Typed) | |
| A2 | 100.0% |
| | [100.0%] |
| B39 | 100.0% |
| | [100.0%] |
| Cw7 | 47.6% |
| Bw6 | 71.4% |
| Others Found | |
| B70 | 9.5% |
| A69 | 4.8% |
| B38 | 4.8% |
| B75 | 4.8% |
| B58 | 4.8% |
| Cw3 | 4.8% |
| A28 | 4.8% |

| (Hispanic) Cell 1575 | |
|--------------------------------|----------|
| (20 Samples Typed) | |
| A32 | 100.0% |
| | [100.0%] |
| A68 | 70.0% |
| A28 | 30.0% |
| | [100.0%] |
| B15 | 35.0% |
| B62 | 55.0% |
| B75 | 5.0% |
| B77 | 5.0% |
| | [100.0%] |
| B35 | 100.0% |
| Cw1 | 40.0% |
| Cw4 | 55.0% |
| | [55.0%] |
| Bw6 | 75.0% |
| Others Found | |
| Bw4 | 10.0% |
| B60 | 5.0% |
| B46 | 5.0% |

| (Asian) Cell 1576 | |
|-----------------------------|----------|
| (20 Samples Typed) | |
| A11 | 90.0% |
| A11.1 | 5.0% |
| A11.2 | 5.0% |
| | [100.0%] |
| B60 | 100.0% |
| | [100.0%] |
| B55 | 75.0% |
| B22 | 15.0% |
| | [90.0%] |
| Cw3 | 50.0% |
| Cw9 | 5.0% |
| Cw10 | 5.0% |
| | [60.0%] |
| Bw6 | 75.0% |
| Others Found | |
| A74 | 5.0% |
| B42 | 5.0% |
| B40 | 5.0% |

Table 11. Individual laboratory results for Cell #1573

| Center | Investigator | Low Resolution | | | | | | High Resolution | | | | | | Method | Other Alleles |
|--------|----------------------|----------------|-----|--------------|-----|-------|-----|-----------------|------------|--------|--------------|--------------|--------------|-----------------------|---|
| | | HLA-A | | HLA-B | | HLA-C | | HLA-A | | HLA-B | | HLA-C | | | |
| 5462 | Arnold , Paula | *02 | | *40 | *44 | *05 | *07 | *02:01 | | *40:05 | *44:02 | *05:01 | *07:02 | SSP SSO SBT RT-PCR | |
| 5133 | Askar , Medhat | | | | | | | *02:01:01:01 | | *40:05 | *44:02:01:01 | *05:01:01:02 | *07:02:01:01 | NGS | |
| 4492 | Caillat-Zucman , Sc | *02 | | *40 | *44 | *05 | *07 | | | | | | | SSP | |
| 774 | Cecka , J. Michael | *02 | | *40 | *44 | *05 | *07 | | | *40:05 | | | | SSP SSO | |
| 8070 | Chang , Uckjin | | | | | | | *02:01 | | *40:05 | *44:02 | *05:01 | *07:02 | SBT | |
| 798 | Claas , F.H.J. | | | | | | | *02:01:01 | | *40:05 | *44:02:01 | *05:01:01 | *07:02:01 | SBT | |
| 3632 | Colombe , Beth W. | *02 | | *40 | *44 | *05 | *07 | *02:01 | | *40:05 | *44:02 | *05:01 | *07:02 | SSP SSO | |
| 779 | Daniel , Claude | *02 | *02 | *40 | *44 | *05 | *07 | | | *40:05 | | | | SSO | |
| 8099 | Danish , Adel | *02 | *02 | *40 | *44 | *05 | *07 | | | | | | | SSO | |
| 5214 | Eckels/CPMC , | *02 | | *40 (B50) | *44 | *05 | *07 | | | *40:05 | | | | SSO | |
| 747 | Ferrari-Lacraz , Syl | *02 | | *40 | *44 | *05 | *07 | *02:01:01 | | *40:05 | *44:02 | *05:01 | *07:02 | SSP SSO SBT | |
| 762 | Fischer , Gottfried | | | | | | | *02:01:01:01 | | *40:05 | *44:02:01 | *05:01:01:02 | *07:02:01:01 | SSO SBT NGS | |
| 4079 | Fort , Marylise | *02 | | *40 | *44 | *05 | *07 | *02:01 | | *40:05 | *44:02 | *05:01 | *07:02 | SSP SSO | |
| 3545 | Goldstein , Steven | *02 | | *40 | *44 | *05 | *07 | *02:01 | | *40:05 | *44:02 | *05:01 | *07:02 | SSO SBT | C*07:349 B*44:19N |
| 810 | Hamdi , Nuha | | | | | | | *02:01 | *02:01 | *40:05 | *44:02 | *08:02 | *07:76 | SSO | C*07:50 |
| 8043 | Hod , Reut | *02 | | *40 | *44 | *05 | *07 | | | | | | | SSP SSO | |
| 771 | Israel , Shoshana | *02 | | *40 | *44 | *05 | *07 | *02:01 | | *40:05 | *44:02 | *05:01 | *07:02 | SSO SBT | |
| 725 | Lardy , N.M. | *02 | | *40 | *44 | *05 | *07 | | | | | | | SSO | |
| 745 | Latham , Katy | | | | | | | *02:01:01:01 | | *40:05 | *44:02:01:01 | *05:01:01:02 | *07:02:01:01 | SSP SBT NGS | |
| 278 | Lee , Jar-How | *02 | *02 | *40 | *44 | *05 | *07 | *02:01 | *02:01 | *40:05 | *44:02 | *05:01 | *07:02 | | |
| 6649 | Lim , Young Ae | *02 | | *40 | *44 | | | | | | | | | SSP | |
| 731 | Loewenthal , Ron | *02 | | *40 | *44 | *05 | *07 | *02:01:01G | | *40:05 | *44:02:01G | *05:01:01 | *07:02:01G | SSP SSO SBT | |
| 54 | Pancoska , Carol | *02 | | *40 | *44 | *05 | *07 | | | | | | | SSO | |
| 8001 | Rao , Prakash | *02 | | *40 | *44 | *05 | *07 | | | *40:05 | | | | | |
| 3625 | Rees , Tracey | *02 | *02 | *40 | *44 | *05 | *07 | *02:01 | *02:01 | *40:05 | *44:02 | *05:01 | *07:02 | | A*02:94N A*02:125N A*02:250N A*02:301N B*44:19N A*02:305N |
| 793 | Rubocki , Ronald | *02 | | *40 | *44 | *05 | *07 | | | | | | | SSP | |
| 4251 | Schiller , Jennifer | *02 | *02 | *40 | *44 | *05 | *07 | *02:01:01G | *02:01:01G | *40:05 | *44:02:01G | *05:01 | *07:02:01G | SSO SBT | |
| 3808 | Thornton , Alycia | *02 | *02 | *40 | *44 | *05 | *07 | | | *40:05 | *44:02:01G | *05:01 | *07:02:01G | SSP SBT | |
| 3186 | Watson , Narelle | *02 | *02 | *40 | *44 | *05 | *07 | | | | | | | SSO | |
| 16 | Zhang , Aiwen | *02 | *02 | *40 | *44 | *05 | *07 | *02:01:01 | *02:01:01 | *40:05 | *44:02 | *05:01 | *07:02 | SSP SSO SBT | C*05:09:01 C*07:17:01 B*44:19N C*05:23 C*05:46 C*07:27:01 C*07:39 C*07:260 |

Table 12. Individual laboratory results for Cell #1574

| Center | Investigator | Low Resolution | | | | | | Intermediate/High Resolution | | | | | | Method | Other Alleles |
|--------|----------------------|----------------|-----|-------|-----|-------|-----|------------------------------|--------------|------------|-----------|--------------|------------|-----------------------|--|
| | | HLA-A | | HLA-B | | HLA-C | | HLA-A | | HLA-B | | HLA-C | | | |
| 5462 | Arnold , Paula | *02 | *02 | *39 | *39 | *07 | | *02:01 | *02:06 | *39:02 | *39:05 | *07:02 | | SSP SSO SBT RT-PCR | |
| 5133 | Askar , Medhat | | | | | | | *02:01:01:01 | *02:06:01:01 | *39:02:02 | *39:05:01 | *07:02:01 | | NGS | |
| 4492 | Caillat-Zucman , Sc | *02 | | *39 | | *07 | | | | | | | | SSP | |
| 774 | Cecka , J. Michael | *02 | *02 | *39 | *39 | *07 | | | | | | | | SSP SSO | |
| 8070 | Chang , Uckjin | | | | | | | *02:01 | *02:06 | *39:01 | *39:13 | *07:02 | | SBT | |
| 798 | Claas , F.H.J. | | | | | | | *02:01:01 | *02:06:01 | *39:02:02 | *39:05:01 | *07:02:01 | | SBT | |
| 3632 | Colombe , Beth W. | *02 | *02 | *39 | *39 | *07 | | *02:01 | *02:06 | *39:02 | *39:05 | *07:02 | | SSP SSO | |
| 779 | Daniel , Claude | *02 | *02 | *39 | *39 | *07 | *07 | | | | | | | SSO | |
| 8099 | Danish , Adel | *02 | *02 | *39 | *39 | *07 | *07 | | | | | | | SSO | |
| 5214 | Eckels/CPMC , | *02 | *02 | *39 | *39 | *07 | | | | | | | | SSO | |
| 747 | Ferrari-Lacraz , Syl | *02 | *02 | *39 | *39 | *07 | | *02:01:01 | *02:06:01 | *39:02:02 | *39:05:01 | *07:02 | | SSP SSO SBT | |
| 762 | Fischer , Gottfried | | | | | | | *02:01:01:01 | *02:06:01:01 | *39:02:02 | *39:05:01 | *07:02:01:01 | | SSO SBT NGS | |
| 4079 | Fort , Marylise | *02 | *02 | *39 | *39 | *07 | | *02:01 | *02:06 | *39:02 | *39:05 | *07:02 | | SSP SSO | B*39:13 |
| 3545 | Goldstein , Steven | *02 | | *39 | | *07 | | *02:01 | *02:06 | *39:02 | *39:05 | *07:02 | | SSO SBT | C*07:50 C*07:349 |
| 810 | Hamdi , Nuha | | | | | | | *02:01 | *02:06 | *38:02 | *39:05 | *07:01 | *07:02 | SSO | |
| 8043 | Hod , Reut | *02 | | *39 | | *07 | | | | | | | | SSP SSO | |
| 771 | Israel , Shoshana | *02 | | *39 | | *07 | | *02:01 | *02:06 | *39:02 | *39:05 | *07:02 | | SSO SBT | |
| 725 | Lardy , N.M. | *02 | | *39 | | *07 | | | | | | | | SSO | |
| 745 | Latham , Katy | | | | | | | *02:01:01:01 | *02:06:01:01 | *39:02:02 | *39:05:01 | *07:02:01 | | SSP SBT NGS | |
| 278 | Lee , Jar-How | *02 | *02 | *39 | *39 | *07 | *07 | *02:01 | *02:06 | *39:02 | *39:05 | *07:02 | *07:02 | | |
| 6649 | Lim , Young Ae | *02 | | *39 | | | | | | | | | | SSP | |
| 731 | Loewenthal , Ron | *02 | *02 | *39 | *39 | *07 | | *02:01 | *02:06 | *39:01:01G | *39:13:01 | *07:02:01G | | SSP SSO SBT | |
| 54 | Pancoska , Carol | *02 | | *39 | | *07 | | | | | | | | SSO | |
| 8001 | Rao , Prakash | *02 | | *39 | | *07 | | | | | | | | | |
| 3625 | Rees , Tracey | *02 | *02 | *39 | *39 | *07 | *07 | *02:01 | *02:06 | *39:01 | *39:05/13 | *07:02 | *07:02 | | C*07:347N A*02:94N A*02:125N A*02:250N A*02:301N A*02:305N B*39:25N B*39:02 |
| 793 | Rubocki , Ronald | *02 | | *39 | | *07 | | | | | | | | SSP | |
| 4251 | Schiller , Jennifer | *02 | *02 | *39 | *39 | *07 | *07 | *02:01:01G | *02:06 | *39:02 | *39:05 | *07:02:01G | *07:02:01G | SSO SBT | |
| 3808 | Thornton , Alycia | *02 | *02 | *39 | *39 | *07 | *07 | | | *39:02:02 | *39:05:01 | | | SSP SBT | B*39:13:01 B*39:01:01G |
| 3186 | Watson , Narelle | *02 | *02 | *39 | *39 | *07 | *07 | | | | | | | SSO | |
| 16 | Zhang , Aiwen | *02 | *02 | *39 | *39 | *07 | *07 | *02:01 | *02:06 | *39:02:02 | *39:05:01 | *07:02:01 | *07:02:01 | SSP SSO SBT | |

Table 13. Individual laboratory results for Cell #1575

| Center | Investigator | Low Resolution | | | | | | High Resolution | | | | | | Method | Other Alleles |
|--------|----------------------|----------------|-----|--------------|-----|-------|-----|-----------------|--------------|--------|-----------|------------|------------|-----------------------|---|
| | | HLA-A | | HLA-B | | HLA-C | | HLA-A | | HLA-B | | HLA-C | | | |
| 5462 | Arnold , Paula | *32 | *68 | *15 | *35 | *01 | *04 | *32:01 | *68:01 | *15:15 | *35:08 | *01:02 | *04:01 | SSP SSO SBT RT-PCR | |
| 5133 | Askar , Medhat | | | | | | | *32:01:01 | *68:01:02:01 | *15:15 | *35:08:01 | *01:02:01 | *04:01:01 | NGS | |
| 4492 | Caillat-Zucman , Sc | *32 | *68 | *15 | *35 | *01 | *04 | | | | | | | SSP | |
| 774 | Cecka , J. Michael | *32 | *68 | *15 | *35 | | | | | *15:15 | *35:08 | | | SSP SSO | B*35:100 B*35:206 B*35:158 B*35:174 B*35:176 B*35:187 B*35:192 |
| 8070 | Chang , Uckjin | | | | | | | *32:01 | *68:01 | *15:15 | *35:08 | *01:02 | *04:01 | SBT | |
| 798 | Claas , F.H.J. | | | | | | | *32:01:01 | *68:01:02 | *15:15 | *35:08:01 | *01:02:01 | *04:01:01 | SBT | |
| 3632 | Colombe , Beth W. | *32 | *68 | *15 | *35 | *01 | *04 | *32:01 | *68:01 | *15:15 | *35:08 | *01:02 | *04:01 | SSP SSO | |
| 779 | Daniel , Claude | *32 | *68 | *15 | *35 | *01 | *04 | | | *15:15 | *35:08 | | | SSO | |
| 8099 | Danish , Adel | *32 | *68 | *15 | *35 | *01 | *04 | | | | | | | SSO | |
| 5214 | Eckels/CPMC , | *32 | *68 | *15 (B62) | *35 | *01 | *04 | | | *15:15 | | | | SSO | |
| 747 | Ferrari-Lacraz , Syl | NT | | | | | | | | | | | | SSP SSO SBT | |
| 762 | Fischer , Gottfried | | | | | | | *32:01 | *68:01 | *15:15 | *35:08 | *01:02 | *04:01 | SSO SBT NGS | C*04:09N C*01:85 C*04:30 C*04:82 |
| 4079 | Fort , Marylise | *32 | *68 | *15 | *35 | *01 | *04 | *32:01 | *68:01 | *15:15 | *35:08 | *01:02 | *04:01 | SSP SSO | |
| 3545 | Goldstein , Steven | *32 | *68 | *15 | *35 | *01 | *04 | *32:01 | *68:01 | *15:15 | *35:08 | *01:02 | *04:01 | SSO SBT | C*04:30 C*04:82 C*01:85 |
| 810 | Hamdi , Nuha | | | | | | | *32:01 | *68:01 | *15:15 | *35:08 | *01:02 | *04:01 | SSO | |
| 8043 | Hod , Reut | *32 | *68 | *15 | *35 | *01 | *04 | *32:01 | *68:01:02 | *15:15 | *35:08 | *01:02 | *04:01:01 | SSP SSO | |
| 771 | Israel , Shoshana | *32 | *68 | *15 | *35 | *01 | *04 | *32:01 | *68:01 | *15:15 | *35:08 | *01:02 | *04:01 | SSO SBT | |
| 725 | Lardy , N.M. | *32 | *68 | *15 | *35 | *01 | *04 | | | | | | | SSO | |
| 745 | Latham , Katy | | | | | | | *32:01:01 | *68:01:02:01 | *15:15 | *35:08:01 | *01:02:01 | *04:01:01 | SSP SBT NGS | |
| 278 | Lee , Jar-How | *32 | *68 | *15 | *35 | *01 | *04 | *32:01 | *68:01 | *15:15 | *35:08 | *01:02 | *04:01 | | |
| 6649 | Lim , Young Ae | *32 | *68 | *15 | *35 | | | | | | | | | SSP | |
| 731 | Loewenthal , Ron | *32 | *68 | *15 | *35 | *01 | *04 | *32:01:01 | *68:01:02G | *15:15 | *35:08:01 | *01:02:01G | *04:01:01G | SSP SSO SBT | C*01:14 C*04:29 |
| 54 | Pancoska , Carol | *32 | *68 | *15 | *35 | *01 | *04 | | | | | | | SSO | |
| 8001 | Rao , Prakash | *32 | *68 | *15 (B62) | *35 | *01 | *04 | | | *15:15 | | | | | |
| 3625 | Rees , Tracey | *32 | *68 | *15 | *35 | *01 | *04 | *32:01 | *68:01 | *15:15 | *35:08 | *01:02 | *04:01 | | A*68:11N |
| 793 | Rubocki , Ronald | *32 | *68 | *15 | *35 | *01 | *04 | | | | | | | SSP | |
| 4251 | Schiller , Jennifer | *32 | *68 | *15 | *35 | *01 | *04 | *32:01 | *68:01 | *15:15 | *35:08 | *01:02:01G | *04:01P | SSO SBT | |
| 3808 | Thornton , Alycia | *32 | *68 | *15 | *35 | *01 | *04 | | | *15:15 | | | | SSP SBT | |
| 3186 | Watson , Narelle | *32 | *68 | *15 | *35 | *01 | *04 | | | | | | | SSO | |
| 16 | Zhang , Aiwen | *32 | *68 | *15 | *35 | *01 | *04 | *32:01:01 | *68:01:02 | *15:15 | *35:08:01 | *01:02 | *04:01 | SSP SSO SBT | C*01:58 C*01:64 C*04:166 C*01:14 C*01:17 C*04:10 C*04:29 C*04:33 |

| Table 14. Individual laboratory results for Cell #1576 | | | | | | | | | | | | | | | |
|--|-----------------------|----------------|-----|--------------|-----|--------------|---------------|-----------------|------------|-----------|--------|------------|--------------|-----------------------|--|
| Center | Investigator | Low Resolution | | | | | | High Resolution | | | | | | Method | Other Alleles |
| | | HLA-A | | HLA-B | | HLA-C | | HLA-A | | HLA-B | | HLA-C | | | |
| 5462 | Arnold , Paula | *11 | *11 | *40 | *55 | *03 | *03 | *11:01 | *11:02 | *40:01 | *55:04 | *03:03 | *03:04 | SSP SSO SBT RT-PCR | |
| 5133 | Askar , Medhat | | | | | | | *11:01:01:01 | *11:02:01 | *40:01:02 | *55:04 | *03:03:01 | *03:04:01:02 | NGS | |
| 4492 | Caillat-Zucman , So | *11 | | *40 | *55 | *03 | | | | | | | | SSP | |
| 774 | Cecka , J. Michael | *11 | | *40 | *55 | *03 | *03 | | | | *55:04 | | | SSP SSO | B*55:49 |
| 8070 | Chang , Uckjin | | | | | | | *11:01 | *11:02 | *40:01 | *55:04 | *03:03 | *03:04 | SBT | |
| 798 | Claas , F.H.J. | | | | | | | *11:01:01 | *11:02:01 | *40:01:02 | *55:04 | *03:03:01 | *03:04:01 | SBT | |
| 3632 | Colombe , Beth W. | *11 | *11 | *40 | *55 | *03 | *03 | *11:01 | *11:02 | *40:01 | *55:04 | *03:03 | *03:04 | SSP SSO | |
| 779 | Daniel , Claude | *11 | *11 | *40 | *55 | *03 | *03 | | | *40:01 | *55:04 | *03:03 | *03:04 | SSO | |
| 8099 | Danish , Adel | *11 | *11 | *40 | *55 | *03 | *03 | | | | | | | SSO | |
| 5214 | Eckels/CPMC , | *11 | | *40 (B60) | *55 | *03 (Cw9) | *03 (Cw10) | | | | | | | SSO | |
| 747 | Ferrari-Lacraz , Sylv | NT | | | | | | | | | | | | | |
| 762 | Fischer , Gottfried | | | | | | | *11:01 | *11:02 | *40:01 | *55:04 | *03:03 | *03:04 | SSO SBT NGS | A*11:110 |
| 4079 | Fort , Marylise | *11 | *11 | *40 | *55 | *03 | *03 | *11:01 | *11:02 | *40:01 | *55:04 | *03:03 | *03:04 | SSP SSO | |
| 3545 | Goldstein , Steven | *11 | | *40 | *55 | *03 | | *11:01 | *11:02 | *40:01 | *55:04 | *03:03 | *03:04 | SSO SBT | A*11:110 C*03:20N C*03:227 |
| 810 | Hamdi , Nuha | | | | | | | *11:01 | *11:01 | *40:01 | *55:04 | *03:03 | *03:04 | SSO | |
| 8043 | Hod , Reut | *11 | *11 | *40 | *55 | *03 | *03 | *11:01 | *11:02 | *40:01 | *55:04 | *03:03 | *03:04 | SSP SSO | |
| 771 | Israel , Shoshana | *11 | | *40 | *55 | *03 | | *11:01 | *11:02 | *40:01 | *55:04 | *03:03 | *03:04 | SSO SBT | |
| 725 | Lardy , N.M. | *11 | | *40 | *55 | *03 | | | | | | | | SSO | |
| 745 | Latham , Katy | | | | | | | *11:01:01 | *11:02:01 | *40:01:02 | *55:04 | *03:03:01 | *03:04:01:02 | SSP SBT NGS | |
| 278 | Lee , Jar-How | *11 | *11 | *40 | *55 | *03 | *03 | *11:01 | *11:02 | *40:01 | *55:04 | *03:03 | *03:04 | | |
| 6649 | Lim , Young Ae | *11 | | *40 | *55 | | | | | | | | | SSP | |
| 731 | Loewenthal , Ron | *11 | *11 | *40 | *55 | *03 | *03 | *11:01:01G | *11:02:01G | *40:01 | *55:04 | *03:03:01G | *03:04:01G | SSP SSO SBT | |
| 54 | Pancoska , Carol | *11 | | *40 | *55 | *03 | | | | | | | | SSO | |
| 8001 | Rao , Prakash | *11 | | *40 (B60) | *55 | *03 (Cw9) | *03 (Cw10) | | | | | | | | |
| 3625 | Rees , Tracey | *11 | *11 | *40 | *40 | *03 | *03 | *11:01 | *11:02 | NT | NT | *03:03 | *03:04 | | C*03:20N C*03:227 A*11:52Q A*11:78N A*11:99N A*11:180N A*11:110 |
| 793 | Rubocki , Ronald | *11 | | *40 | *55 | *03 | *03 | | | | | | | SSP | |
| 4251 | Schiller , Jennifer | *11 | *11 | *40 | *55 | *03 | *03 | *11:01 | *11:02:01G | *40:01 | *55:04 | *03:03:01G | *03:04 | SSO SBT | |
| 3808 | Thornton , Alycia | *11 | *11 | *40 | *55 | *03 | *03 | *11:01 | *11:02:01G | *40:01 | *55:04 | *03:03:01G | *03:04:01G | SSP SBT | |
| 3186 | Watson , Narelle | *11 | *11 | *40 | *55 | *03 | *03 | | | | | | | SSO | |
| 16 | Zhang , Aiwen | *11 | *11 | *40 | *55 | *03 | *03 | *11:01:01 | *11:02:01 | *40:01 | *55:04 | *03:03:01 | *03:04:01 | SSP SSO SBT | C*03:227 A*11:110 B*40:278 C*03:20N |

Table 15. Individual laboratory results for Cell #1573-1576 by serology

| Investigator | Days Old | Cell No 1573 (Hispanic) | | | | | | | | | Cell No 1574 (Hispanic) | | | | | | Cell No 1575 (Hispanic) | | | | | | | | | Cell No 1576 (Asian) | | | | | | | |
|---------------|----------|-------------------------|----|-------|-----|-----|-----|-----|-----|--------|-------------------------|----|-----|-----|----------|----------|-------------------------|-----|-----|-----|-----|-----|-----|----------|--------|----------------------|-------|-----|-----|-----|------|----------|--------|
| | | Viab % | A2 | B4005 | B44 | Cw5 | Cw7 | Bw4 | Bw6 | OTHERS | Viab % | A2 | B39 | Cw7 | Bw6 | OTHERS | Viab % | A32 | A68 | B15 | B35 | Cw1 | Cw4 | Bw6 | OTHERS | Viab % | A11 | B60 | B55 | Cw9 | Cw10 | Bw6 | OTHERS |
| Cecka, J. Mic | 2 | >95 | + | B50 | + | | | + | + | B50 | >95 | + | + | | + | | | | B75 | + | | | | + | | >95 | + | + | + | | | + | |
| Claas, F.H.J. | 7 | 90 | + | B50 | + | | | + | + | B50 | 90 | + | + | | + | | | A28 | B62 | + | + | + | + | | | 90 | + | + | + | Cw3 | | + | |
| Dunckley, Hea | | 90 | + | + | + | | | | | | 90 | + | + | | | | | | B62 | + | | | | | | 92 | + | + | + | | | | |
| Enczmann, J | | 98 | + | + | + | | | | | | 98 | + | + | | | | | | B62 | + | | | | | | 98 | + | + | + | | | | |
| Ferrari-Lacra | | 90 | + | + | + | | | | | + | 90 | + | + | | + | | | | | | | | | | | NT | | | | | | | |
| Fort, Marylis | 3 | 95 | + | + | + | | | + | + | | 97 | + | + | | + | | | | + | + | | | + | | | 98 | + | + | + | | | + | |
| Hahn, Amy B. | | 99 | + | B50 | + | | | + | + | B50 | 99 | + | + | + | B70,A69+ | | | | + | + | | | + | B77, Bw4 | | 99 | + | + | + | | | + | |
| Juarez, Fabio | | 98 | + | + | + | + | + | | | | 98 | + | + | + | | | | | B62 | + | + | + | | | | 98 | + | + | + | + | + | | |
| Kvam, Vonnett | | 90 | + | B50 | + | + | | + | + | B50 | 90 | + | + | + | + | | | A28 | B62 | + | | + | + | | | 90 | + | + | + | Cw3 | | + | |
| Latham, Katy | 3 | 90 | + | + | + | | | + | + | | 90 | + | + | | + | | | | + | + | | | + | | | 90 | + | + | + | | | + | |
| Loewenthal , | | 85 | + | B50 | + | + | + | + | + | B50 | 80 | + | + | + | + | | | | B62 | + | + | + | + | | | 85 | + | + | + | Cw3 | | + | |
| Pancoska, Car | 2 | 97 | + | + | + | | | + | + | | 97 | + | + | | + | | | | + | + | | | + | | | 98 | + | + | B22 | | | + | |
| Permpikul, Ve | 6 | 90 | + | B50 | + | | | + | + | B50 | 90 | + | + | | + | | | | B62 | + | | | + | | | 90 | A11.1 | + | + | | | + | A11.2 |
| Pule, Ziningi | | 80 | + | | + | + | + | | | B70+ | 80 | + | + | + | B70, Cw3 | | | | + | | + | | + | B60, B46 | | 70 | | + | | Cw3 | | A74, B42 | |
| Rees, Tracey | 3 | 90 | + | + | + | + | + | + | + | | 90 | + | + | + | + | | | | + | + | + | + | + | | | 90 | + | + | | Cw3 | + | B40 | |
| Renac, Virgin | 3 | 100 | + | B21 | + | | | + | + | | 100 | + | + | + | + | | | A28 | + | + | | | + | | | 100 | + | + | B22 | | | + | |
| Rubocki, Rona | 2 | | | | | | | | | | 95 | + | + | + | | | | A28 | B62 | + | + | + | + | | | 95 | + | + | + | Cw3 | | + | |
| Shai, Isaac | 9 | 82 | + | B50 | + | + | + | + | + | A28 | 84 | + | + | + | + | B75,A28+ | | | A28 | B62 | + | | + | + | Bw4 | 80 | + | + | + | Cw3 | + | + | |
| Thornton, Aly | | 85 | + | | + | + | + | + | + | B40 | 85 | + | + | + | + | | | | B62 | + | + | + | + | | | 90 | + | + | + | Cw3 | | + | |
| Varnavidou-Ni | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vidan-Jeras, | 6 | 100 | + | | + | + | + | + | + | | 100 | + | + | + | + | | | | B62 | + | + | + | + | | | 100 | + | + | + | Cw3 | | + | |
| Watson, Narel | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Zhang, Aiwen | 2 | 95 | + | B50 | + | + | + | | | | 95 | + | + | + | | | | A28 | + | + | + | + | | | | 95 | + | + | B22 | Cw3 | | | |

SERUM EXCHANGE #552 OCTOBER 5, 2016

| | |
|------|-----------|
| Sera | 1201-1204 |
|------|-----------|

The results for **Serum Exchange 552 (sera 1201 - 1204)**, are summarized in Tables 16-21 and individual laboratory results by method are listed in

Tables 22-33. Sera reactive to B14 (B64 and B65) and A9 (A23 and A24) were examined in this study.

| 1201 | | method | #labs | B64 | B65 | B14 | B18 | B39 | B3901 | B46 | B52 | B8 | B51 | A1 | A33 | B37 | B78 | B7801 | B38 | B59 | B81 | B57 | A34 | A69 | A68 | A80 | A29 | Cw16 | Cw1 | Cw12 | Cw6 | Cw2 | Cw5 | | | | |
|---------|---------|--------|---------------------------|------|-----|-----|------|------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|------|-----|-----|-----|--|--|--|--|
| class I | NIH-Std | 4 | | | 50 | | | | | | | | | 25 | | | | | | | | | | | | | | | | | | | | | | | |
| | NIH-Ext | 2 | 50 | 50 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | AHG | 3 | 67 | 67 | 33 | 100 | 67 | | 67 | 33 | 33 | 33 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Luminex | 30 | 90 | 90 | 17 | 100 | 83 | 20 | 93 | 90 | 100 | 90 | | 97 | 97 | 87 | 20 | 83 | 57 | 17 | 13 | 87 | 80 | 67 | 17 | 13 | 87 | 77 | 73 | 70 | 67 | 67 | | | | | |
| | Flow | 1 | no specificities assigned | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ELISA | 2 | 100 | 100 | | 100 | 50 | | 100 | 50 | 100 | 100 | 100 | 50 | 100 | 100 | | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | | | | | | | | | | | |
| | C1q | 1 | no consensus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Other | 2 | no consensus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1201 | | method | #labs | Cw10 | Cw8 | Cw9 | Cw15 | Cw18 | Cw7 | B54 | B73 | B67 | B42 | B55 | B71 | B47 | A74 | B27 | A26 | A24 | A31 | A19 | A32 | A43 | B41 | B48 | B63 | B7 | B75 | B44 | | | | | | | |
| class I | NIH-Std | 4 | | | | | | | | | | | | | | | | | | 25 | | 25 | | | | | | | | | | | | | | | |
| | Luminex | 30 | 63 | 40 | 37 | 23 | 17 | 13 | 83 | 80 | 70 | 47 | 37 | 37 | 20 | 17 | 17 | | | | | | 13 | 13 | 13 | | | | | | | | | | | | |
| | ELISA | 2 | | | | | | | | | | | | | | | | | 100 | | 50 | | | | | 50 | 50 | 50 | 50 | 50 | | | | | | | |

| 1201 | | method | #labs | DR11 | DR12 | DR14 | DR8 | DR13 | DR1 | DR7 | DR9 | DR17 | DR18 | DR52 | DQ7 | DR4 | DQ2 | DQ4 | DQ3 | DR1404 | DR3 | DQ6 | DR5 |
|----------|---------|--------|---------------------------|------|------|------|-----|------|-----|-----|-----|------|------|------|-----|-----|-----|-----|-----|--------|-----|-----|-----|
| class II | NIH-Ext | 1 | no consensus | | | | | | | | | | | | | | | | | | | | |
| | Luminex | 26 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 96 | 92 | 92 | 92 | 88 | 62 | 54 | 27 | 15 | 12 | 12 | 8 | 8 | |
| | Flow | 1 | no specificities assigned | | | | | | | | | | | | | | | | | | | | |
| | C1q | 2 | no consensus | | | | | | | | | | | | | | | | | | | | |
| | Other | 1 | no consensus | | | | | | | | | | | | | | | | | | | | |

Serum 1201 was reported as positive to B14 (B64, B65) by all methods. Anti-B18 reactivity was also reported by AHG, Luminex, and Elisa. In addition, reactivity to a number of 1C, 5C, and 8C specificities was reported by various methods. Luminex and Elisa also reported reactivity to B37, B59, B81, and 10C specificities. Additional C-locus reactivity was reported by Luminex. For class II, reactivity to a number of DR and DQ specificities was reported by single antigen and PRA. In addition, DQA1*04, DQA1*05, DQA1*06 reactivity was reported by several labs.

| 1202 | method | #labs | B64 | B65 | B14 | B18 | B54 | B8 | B37 | A33 | B39 | B3901 | B38 | B59 | B27 | B2708 | B13 | B73 | B67 | A34 | A68 |
|---------|---------|-------|---------------------------|-----|-----|-----|-----|-----|-----|-------|-----|-------|-----|-----|-----|-------|-----|------|------|-----|-----|
| class I | NIH-Std | 4 | | | 50 | | | | | | | | | | | | | | | | |
| | NIH-Ext | 2 | 50 | 50 | 50 | | | | | | | | | | | | | | | | |
| | AHG | 3 | 67 | 67 | 33 | 100 | | 100 | | 67 | | 33 | | | | | | | | | |
| | Luminex | 30 | 90 | 90 | 17 | 100 | 100 | 100 | 97 | 97 | 90 | 20 | 87 | 90 | 83 | 43 | 20 | 97 | 87 | 90 | 63 |
| | Flow | 1 | no specificities assigned | | | | | | | | | | | | | | | | | | |
| | ELISA | 2 | 100 | 100 | | 100 | 50 | 100 | 50 | | 50 | | 50 | 100 | 50 | | 50 | | | | |
| | C1q | 1 | no consensus | | | | | | | | | | | | | | | | | | |
| | Other | 2 | no consensus | | | | | | | | | | | | | | | | | | |
| 1202 | method | #labs | A69 | B51 | B42 | B47 | B46 | B7 | B78 | B7801 | B41 | B81 | B76 | Cw5 | Cw1 | Cw4 | Cw8 | Cw16 | Cw12 | B82 | |
| | Luminex | 30 | 63 | 63 | 57 | 50 | 37 | 37 | 30 | 17 | 27 | 23 | 20 | 87 | 33 | 30 | 20 | 27 | 20 | 17 | |

| 1202 | method | #labs | NEG | DPw1 | DPw5 | DR11 | DR53 | |
|----------|---------|-------|---------------------------|------|------|------|------|--|
| class II | NIH-Ext | 1 | no consensus | | | | | |
| | Luminex | 18 | 67 | 28 | 22 | 6 | 6 | |
| | Flow | 1 | no specificities assigned | | | | | |
| | C1q | 1 | no consensus | | | | | |
| | Other | 2 | no consensus | | | | | |

For **Serum 1202**, reactivity to B14 (B64, B65) was reported by all methods. In addition, AHG, Luminex, Elisa, and C1q reported reactivity to B18. Reactivity to other 8C specificities, as well as to B54, B37, A33, and 7C specificities was detected by various methods. Luminex also reported reactivity to a few 5C specificities and number of C-locus antigens. This sample was reported as negative for class II by 12 labs. Several other labs reported DP reactivity to DPw1 and DPw5.

| 1203 | method | #labs | A23 | A24 | A2403 | A9 | A25 | A32 | Bw4 | B37 | B38 | B44 | B49 | B52 | B53 | B57 | B58 | B59 | B27 | B13 | B63 | A80 | A2 | A203 | B47 | B51 | A1 | B77 | B76 | A68 | A69 | B35 | B18 | B78 | B15 | A36 | B65 |
|---------|---------|-------|---------------------------|-----|-------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|------|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| class I | NIH-Std | 4 | 25 | 50 | | 25 | | | | | | | | | | | | | | | | | | | | | 25 | | | | | | | | 25 | | |
| | NIH-Ext | 2 | 100 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | AHG | 2 | 100 | 100 | | | 100 | 100 | 67 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Luminex | 29 | 100 | 97 | 34 | | 100 | 100 | 34 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 90 | 90 | 97 | 90 | 17 | 86 | 86 | 72 | 90 | 86 | 83 | 83 | 83 | 24 | 14 | 10 | | |
| | Flow | 1 | no specificities assigned | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ELISA | 2 | 100 | 50 | | | 100 | 100 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | | 50 | 50 | | | | | | | | | | 50 | |
| | C1q | 1 | no consensus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Other | 2 | no consensus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| 1203 | method | #labs | DR1 | DR10 | DR11 | DR4 | DR7 | DR9 | DR14 | DR53 | DQ8 | DQ9 | DQ7 | DP18 | DP28 | DPw3 | DP14 | DPw2 | DP17 | DQ4 | DP10 | DPw6 | DPw4 | DP20 | DP9 | DQ2 | DP19 | DP23 | DP11 | DPw1 | DP13 | DP402 | DP401 | DQ3 | DR1404 | DR5 |
|----------|---------|-------|---------------------------|------|------|-----|-----|-----|------|------|-----|-----|-----|------|------|------|------|------|------|-----|------|------|------|------|-----|-----|------|------|------|------|------|-------|-------|-----|--------|-----|
| class II | NIH-Ext | 1 | no consensus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Luminex | 25 | 100 | 100 | 100 | 100 | 100 | 100 | 96 | 92 | 96 | 96 | 92 | 88 | 88 | 88 | 84 | 84 | 80 | 80 | 76 | 76 | 76 | 72 | 72 | 72 | 68 | 68 | 56 | 52 | 44 | 20 | 16 | 12 | 12 | 12 |
| | Flow | 1 | no specificities assigned | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | C1q | 1 | no consensus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Other | 2 | no consensus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Serum 1203 was reported as positive to A23 and A24 by all methods. In addition, AHG, Luminex, and Elisa reported reactivity to A25 and A32. Luminex and Elisa reported anti-B37, -B38, -B44, and -A2 reactivity, as well as reactivity to a number of 5C and 7C specificities. Strong class II re-

activity to DR, DQ and DP antigens was reported by Luminex. Five labs reported anti-DPA1*01 and -DPA1*03 reactivity, 4 labs reported DQA1*03, DQA1*05, and DQA1*06 reactivity, and 3 labs reported DQA1*04 reactivity.

| 1204 | method | #labs | A23 | A24 | A2403 | A9 | A25 | B55 | A32 | B27 | B2708 | B7 | A1 | A80 | B56 | B57 | B58 | B42 | B49 | B54 | B37 | B38 | B44 | B45 | B51 | B52 |
|---------|---------|-------|---------------------------|-----|-------|-------|-----|-----|-----|-----|-------|-----|-----|-----|-----|-----|-------|-----|-----|-----|------|-----|-----|-----|-----|-----|
| class I | NIH-Std | 4 | 50 | 50 | | 25 | | | | | | | | | | | | | | | | | | | | |
| | NIH-Ext | 3 | 100 | 100 | | | | | | | | | | | | | | | | | | | | | | |
| | AHG | 2 | 100 | 100 | | | 67 | 33 | 100 | | | 33 | 67 | | 33 | | | | | | | | | | | |
| | Luminex | 29 | 100 | 100 | 31 | | 100 | 100 | 97 | 97 | 38 | 93 | 93 | 79 | 93 | 93 | 90 | 90 | 90 | 90 | 86 | 86 | 86 | 45 | 83 | 83 |
| | Flow | 1 | no specificities assigned | | | | | | | | | | | | | | | | | | | | | | | |
| | ELISA | 2 | 100 | 100 | | | 100 | 100 | 100 | 50 | | 100 | 50 | 50 | | 50 | 50 | 100 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| | C1q | 1 | no consensus | | | | | | | | | | | | | | | | | | | | | | | |
| | Other | 2 | no consensus | | | | | | | | | | | | | | | | | | | | | | | |
| 1204 | method | #labs | B53 | B47 | B81 | B8101 | B13 | Bw4 | A31 | B67 | B59 | B63 | B76 | B77 | B15 | B82 | B8201 | B41 | B73 | Cw9 | Cw10 | A36 | A30 | A2 | A3 | B18 |
| | AHG | 2 | | | | | | 67 | | | | | | | | | | | | | | | | | | |
| | Luminex | 29 | 83 | 79 | 76 | 24 | 69 | 34 | 17 | 90 | 86 | 86 | 86 | 83 | 14 | 83 | 21 | 24 | 21 | 24 | 21 | 24 | 17 | | | |
| | ELISA | 2 | 50 | 50 | 100 | | 50 | | 50 | | | | | | | | | | | | | | | 50 | 50 | 50 |

| 1204 | method | #labs | NEG | DQ2 | DQ7 | DQ9 | DQ8 | |
|----------|---------|-------|---------------------------|-----|-----|-----|-----|--|
| class II | NIH-Ext | 1 | no consensus | | | | | |
| | Luminex | 15 | 67 | 27 | 20 | 20 | 20 | |
| | Flow | 1 | no specificities assigned | | | | | |
| | C1q | 1 | no consensus | | | | | |
| | Other | 2 | no consensus | | | | | |

For **Serum 1204**, anti-A23 and -A24 reactivity was reported by all methods. Some Luminex labs reported allele level reactivity to A*24:03. Anti-A25, -A32, -B55, and -B7 reactivity was detected by AHG, Luminex, and Elisa. In addition, reactivity to 5C and 7C specificities, as well as reactivity to A80, B38, B44, and B45, was detected by Luminex and ELISA. A number of labs (n=10) reported this sample as negative for class II. A few labs (n=5), on the other hand, reported reactivity to DQ antigens (DQ2, DQ7, DQ8, DQ9), while several others reported allele specific DQA1*05:03, DQA1*05:05 reactivity.



NEXT MAILING DATE: November 2, 2016

Arlene Locke, David Gjertson, Qiheng Zhang, and Elaine F. Reed



Table 16. Summary of the 552nd Serum Exchange (Serum #1201-1204) by NIH-Standard and NIH-Extended - class I

| Method: NIH-Standard | | | | | | | | | | | |
|-----------------------------|-----------|-----------|---------------------------|-----------|-----------|---------------------------|-----------|-----------|---------------------------|-----------|-----------|
| *** Serum 1201 *** | | | *** Serum 1202 *** | | | *** Serum 1203 *** | | | *** Serum 1204 *** | | |
| 4 typing Labs | | | 4 typing Labs | | | 4 typing Labs | | | 4 typing Labs | | |
| Antigen | Consensus | Inclusion | Antigen | Consensus | Inclusion | Antigen | Consensus | Inclusion | Antigen | Consensus | Inclusion |
| B14 | 50% | 100% | B14 | 50% | 100% | A24 | 50% | 39% | A23 | 50% | 100% |
| A19 | 25% | 88% | A24 | 25% | 6% | A23 | 25% | 100% | A24 | 50% | 78% |
| A1 | 25% | 67% | | | | A36 | 25% | 100% | A9 | 25% | 83% |
| A24 | 25% | 6% | | | | A9 | 25% | 100% | | | |
| | | | | | | A1 | 25% | 67% | | | |

| Method: NIH-Extended | | | | | | | | | | | |
|-----------------------------|-----------|-----------|---------------------------|-----------|-----------|---------------------------|-----------|-----------|---------------------------|-----------|-----------|
| *** Serum 1201 *** | | | *** Serum 1202 *** | | | *** Serum 1203 *** | | | *** Serum 1204 *** | | |
| 2 typing Labs | | | 2 typing Labs | | | 2 typing Labs | | | 2 typing Labs | | |
| Antigen | Consensus | Inclusion | Antigen | Consensus | Inclusion | Antigen | Consensus | Inclusion | Antigen | Consensus | Inclusion |
| B14 | 50% | 100% | B14 | 50% | 100% | A23 | 100% | 100% | A23 | 100% | 100% |
| B64 | 50% | 100% | B64 | 50% | 100% | A24 | 100% | 77% | A24 | 100% | 69% |
| B65 | 50% | 100% | B65 | 50% | 100% | | | | | | |

Table 17. Summary of the 552nd Serum Exchange (Serum #1201-1204) by Antiglobulin, C1q, and Other - class I

| Method: Antiglobulin | | | | | | | | | | | |
|----------------------|-----------|-----------|--------------------|-----------|-----------|--------------------|-----------|-----------|--------------------|-----------|-----------|
| *** Serum 1201 *** | | | *** Serum 1202 *** | | | *** Serum 1203 *** | | | *** Serum 1204 *** | | |
| 3 typing Labs | | | 3 typing Labs | | | 3 typing Labs | | | 3 typing Labs | | |
| Antigen | Consensus | Inclusion | Antigen | Consensus | Inclusion | Antigen | Consensus | Inclusion | Antigen | Consensus | Inclusion |
| B18 | 100% | 100% | B18 | 100% | 100% | A23 | 100% | 100% | A23 | 100% | 100% |
| B39 | 67% | 100% | B8 | 100% | 100% | A24 | 100% | 100% | A24 | 100% | 100% |
| B46 | 67% | 100% | B39 | 67% | 100% | A25 | 100% | 100% | A32 | 100% | 100% |
| B64 | 67% | 100% | B64 | 67% | 100% | A32 | 100% | 100% | A1 | 67% | 100% |
| B65 | 67% | 100% | B65 | 67% | 100% | Bw4 | 67% | 100% | A25 | 67% | 100% |
| B14 | 33% | 100% | B14 | 33% | 100% | | | | Bw4 | 67% | 100% |
| B52 | 33% | 100% | B38 | 33% | 25% | | | | B55 | 33% | 100% |
| B8 | 33% | 100% | | | | | | | B56 | 33% | 100% |
| B51 | 33% | 78% | | | | | | | B7 | 33% | 100% |

| Method: C1q | | | | | | | | | | | |
|--------------------|-----------|-----------|--------------------|-----------|-----------|--------------------|-----------|-----------|--------------------|-----------|-----------|
| *** Serum 1201 *** | | | *** Serum 1202 *** | | | *** Serum 1203 *** | | | *** Serum 1204 *** | | |
| 1 typing Lab | | | 1 typing Lab | | | 1 typing Lab | | | 1 typing Lab | | |
| Antigen | Consensus | Inclusion | Antigen | Consensus | Inclusion | Antigen | Consensus | Inclusion | Antigen | Consensus | Inclusion |
| no consensus | | | no consensus | | | no consensus | | | no consensus | | |

| Method: Other | | | | | | | | | | | |
|--------------------|-----------|-----------|--------------------|-----------|-----------|--------------------|-----------|-----------|--------------------|-----------|-----------|
| *** Serum 1201 *** | | | *** Serum 1202 *** | | | *** Serum 1203 *** | | | *** Serum 1204 *** | | |
| 2 typing Labs | | | 2 typing Labs | | | 2 typing Labs | | | 2 typing Labs | | |
| Antigen | Consensus | Inclusion | Antigen | Consensus | Inclusion | Antigen | Consensus | Inclusion | Antigen | Consensus | Inclusion |
| | | | | | | | | | | | |

Table 18. Summary of the 552nd Serum Exchange (Serum #1201-1204) by Luminex - class I

| Method: Luminex | | | | | | | | | | | |
|--------------------|-----------|-----------|--------------------|-----------|-----------|--------------------|-----------|-----------|--------------------|-----------|-----------|
| *** Serum 1201 *** | | | *** Serum 1202 *** | | | *** Serum 1203 *** | | | *** Serum 1204 *** | | |
| 30 typing Labs | | | 30 typing Labs | | | 29 typing Labs | | | 29 typing Labs | | |
| Antigen | Consensus | Inclusion | Antigen | Consensus | Inclusion | Antigen | Consensus | Inclusion | Antigen | Consensus | Inclusion |
| B18 | 100% | 100% | B18 | 100% | 100% | A23 | 100% | 100% | A23 | 100% | 100% |
| B8 | 100% | 100% | B54 | 100% | 100% | A25 | 100% | 100% | A24 | 100% | 100% |
| A33 | 97% | 100% | B8 | 100% | 100% | A32 | 100% | 100% | A25 | 100% | 100% |
| B37 | 97% | 75% | B73 | 97% | 100% | A24 | 97% | 100% | B55 | 100% | 100% |
| B46 | 93% | 100% | B37 | 97% | 75% | A80 | 97% | 100% | A32 | 97% | 100% |
| B52 | 90% | 100% | A33 | 97% | 62% | B37 | 93% | 100% | B27 | 97% | 100% |
| B64 | 90% | 100% | B39 | 90% | 100% | B38 | 93% | 100% | A1 | 93% | 100% |
| B65 | 90% | 100% | B59 | 90% | 100% | B44 | 93% | 100% | B56 | 93% | 100% |
| B51 | 90% | 83% | B64 | 90% | 100% | B49 | 93% | 100% | B57 | 93% | 100% |
| B78 | 87% | 100% | B65 | 90% | 100% | B52 | 93% | 100% | B7 | 93% | 100% |
| Cw16 | 87% | 100% | A34 | 90% | 50% | B53 | 93% | 100% | B42 | 90% | 100% |
| A34 | 87% | 50% | B67 | 87% | 100% | B57 | 93% | 100% | B49 | 90% | 100% |
| B39 | 83% | 100% | Cw5 | 87% | 100% | B58 | 93% | 100% | B54 | 90% | 100% |
| B38 | 83% | 80% | B38 | 87% | 80% | B59 | 93% | 100% | B58 | 90% | 100% |
| B54 | 83% | 75% | B27 | 83% | 75% | B27 | 93% | 50% | B67 | 90% | 100% |
| B73 | 80% | 100% | B55 | 73% | 100% | B13 | 90% | 100% | B37 | 86% | 100% |
| A69 | 80% | 75% | A69 | 63% | 100% | B63 | 90% | 100% | B38 | 86% | 100% |
| Cw1 | 77% | 50% | A68 | 63% | 50% | B77 | 90% | 100% | B44 | 86% | 100% |
| Cw12 | 73% | 100% | B51 | 63% | 50% | A2 | 90% | 81% | B59 | 86% | 100% |
| B67 | 70% | 100% | B42 | 57% | 100% | B47 | 86% | 100% | B63 | 86% | 100% |
| Cw6 | 70% | 100% | B47 | 50% | 100% | B51 | 86% | 100% | B76 | 86% | 100% |
| A68 | 67% | 100% | B2708 | 43% | 100% | B76 | 86% | 100% | B51 | 83% | 100% |
| Cw2 | 67% | 100% | B46 | 37% | 100% | A68 | 83% | 100% | B52 | 83% | 100% |
| Cw5 | 67% | 100% | B7 | 37% | 100% | A69 | 83% | 50% | B53 | 83% | 100% |
| Cw10 | 63% | 50% | Cw1 | 33% | 40% | B35 | 83% | 50% | B77 | 83% | 100% |
| B59 | 57% | 100% | Cw4 | 30% | 100% | A1 | 72% | 100% | B82 | 83% | 100% |
| B42 | 47% | 100% | B78 | 30% | 50% | A2403 | 34% | 100% | A80 | 79% | 100% |
| Cw8 | 40% | 100% | B41 | 27% | 100% | Bw4 | 34% | 100% | B47 | 79% | 100% |
| B55 | 37% | 100% | Cw16 | 27% | 50% | B18 | 24% | 100% | B81 | 76% | 100% |
| B71 | 37% | 100% | B81 | 23% | 100% | A203 | 17% | 100% | B13 | 69% | 100% |
| Cw9 | 37% | 100% | Cw8 | 20% | 100% | B78 | 14% | 100% | B45 | 45% | 100% |
| Cw15 | 23% | 100% | B13 | 20% | 100% | B15 | 10% | 100% | B2708 | 38% | 100% |
| B3901 | 20% | 100% | B3901 | 20% | 100% | | | | A2403 | 31% | 100% |
| B7801 | 20% | 100% | B76 | 20% | 100% | | | | Bw4 | 34% | 97% |
| B47 | 20% | 100% | Cw12 | 20% | 67% | | | | A36 | 24% | 100% |
| A74 | 17% | 100% | B7801 | 17% | 100% | | | | B41 | 24% | 100% |

Table 18. Summary of the 552nd Serum Exchange (Serum #1201-1204) by Luminex - class I

| Method: Luminex | | | | | | | | | | | |
|--------------------|-----|------|--------------------|-----|------|--------------------|--|--|--------------------|-----|------|
| *** Serum 1201 *** | | | *** Serum 1202 *** | | | *** Serum 1203 *** | | | *** Serum 1204 *** | | |
| 30 typing Labs | | | 30 typing Labs | | | 29 typing Labs | | | 29 typing Labs | | |
| A80 | 17% | 100% | B14 | 17% | 100% | | | | B8101 | 24% | 100% |
| B14 | 17% | 100% | B82 | 17% | 100% | | | | Cw9 | 24% | 100% |
| B27 | 17% | 100% | | | | | | | B73 | 21% | 100% |
| B81 | 17% | 100% | | | | | | | B8201 | 21% | 100% |
| Cw18 | 17% | 100% | | | | | | | Cw10 | 21% | 100% |
| A29 | 13% | 100% | | | | | | | A30 | 17% | 100% |
| A32 | 13% | 100% | | | | | | | A31 | 17% | 100% |
| A43 | 13% | 100% | | | | | | | B15 | 14% | 100% |
| B41 | 13% | 100% | | | | | | | | | |
| B57 | 13% | 100% | | | | | | | | | |
| Cw7 | 13% | 100% | | | | | | | | | |

Table 19. Summary of the 552nd Serum Exchange (Serum #1201-1204) by Flow Cytometry and ELISA - class I

| Method: Flow Cytometry | | | | | | | | | | | |
|---------------------------|-----------|-----------|---------------------------|-----------|-----------|---------------------------|-----------|-----------|---------------------------|-----------|-----------|
| *** Serum 1201 *** | | | *** Serum 1202 *** | | | *** Serum 1203 *** | | | *** Serum 1204 *** | | |
| 1 typing Lab | | | 1 typing Lab | | | 1 typing Lab | | | 1 typing Lab | | |
| Antigen | Consensus | Inclusion | Antigen | Consensus | Inclusion | Antigen | Consensus | Inclusion | Antigen | Consensus | Inclusion |
| no antigens assigned | | | no antigens assigned | | | no antigens assigned | | | no antigens assigned | | |

| Method: Elisa | | | | | | | | | | | |
|---------------------------|-----------|-----------|---------------------------|-----------|-----------|---------------------------|-----------|-----------|---------------------------|-----------|-----------|
| *** Serum 1201 *** | | | *** Serum 1202 *** | | | *** Serum 1203 *** | | | *** Serum 1204 *** | | |
| 2 typing Labs | | | 2 typing Labs | | | 2 typing Labs | | | 2 typing Labs | | |
| Antigen | Consensus | Inclusion | Antigen | Consensus | Inclusion | Antigen | Consensus | Inclusion | Antigen | Consensus | Inclusion |
| A1 | 100% | 100% | B18 | 100% | 100% | A23 | 100% | 100% | A23 | 100% | 100% |
| A26 | 100% | 100% | B59 | 100% | 100% | A25 | 100% | 100% | A24 | 100% | 100% |
| B18 | 100% | 100% | B64 | 100% | 100% | A32 | 100% | 100% | A25 | 100% | 100% |
| B37 | 100% | 100% | B65 | 100% | 100% | A24 | 50% | 100% | A32 | 100% | 100% |
| B46 | 100% | 100% | B8 | 100% | 100% | A80 | 50% | 100% | B42 | 100% | 100% |
| B51 | 100% | 100% | B27 | 50% | 100% | B13 | 50% | 100% | B55 | 100% | 100% |
| B64 | 100% | 100% | B37 | 50% | 100% | B37 | 50% | 100% | B7 | 100% | 100% |
| B65 | 100% | 100% | B39 | 50% | 100% | B38 | 50% | 100% | B81 | 100% | 100% |
| B78 | 100% | 100% | B54 | 50% | 100% | B44 | 50% | 100% | A1 | 50% | 100% |
| B8 | 100% | 100% | B13 | 50% | 50% | B47 | 50% | 100% | A2 | 50% | 100% |
| A29 | 50% | 100% | B38 | 50% | 50% | B49 | 50% | 100% | A3 | 50% | 100% |
| A31 | 50% | 100% | | | | B51 | 50% | 100% | A31 | 50% | 100% |
| A34 | 50% | 100% | | | | B52 | 50% | 100% | A80 | 50% | 100% |
| A68 | 50% | 100% | | | | B53 | 50% | 100% | B13 | 50% | 100% |
| A69 | 50% | 100% | | | | B57 | 50% | 100% | B18 | 50% | 100% |
| A80 | 50% | 100% | | | | B58 | 50% | 100% | B27 | 50% | 100% |
| B38 | 50% | 100% | | | | B59 | 50% | 100% | B37 | 50% | 100% |
| B39 | 50% | 100% | | | | B63 | 50% | 100% | B38 | 50% | 100% |
| B48 | 50% | 100% | | | | B65 | 50% | 100% | B44 | 50% | 100% |
| B52 | 50% | 100% | | | | Bw4 | 50% | 100% | B45 | 50% | 100% |
| B59 | 50% | 100% | | | | A2 | 50% | 50% | B47 | 50% | 100% |
| B63 | 50% | 100% | | | | B27 | 50% | 50% | B49 | 50% | 100% |
| B7 | 50% | 100% | | | | | | | B51 | 50% | 100% |
| B75 | 50% | 100% | | | | | | | B52 | 50% | 100% |
| B81 | 50% | 100% | | | | | | | B53 | 50% | 100% |
| A33 | 50% | 50% | | | | | | | B54 | 50% | 100% |
| B44 | 50% | 50% | | | | | | | B57 | 50% | 100% |
| B57 | 50% | 50% | | | | | | | B58 | 50% | 100% |

Table 20. Summary of the 552nd Serum Exchange (Serum #1201-1204) by Luminex - class II

| Method: Luminex | | | | | | | | | | | |
|--------------------|-----------|-----------|--------------------|-----------|-----------|--------------------|-----------|-----------|--------------------|-----------|-----------|
| *** Serum 1201 *** | | | *** Serum 1202 *** | | | *** Serum 1203 *** | | | *** Serum 1204 *** | | |
| 26 typing Labs | | | 18 typing Labs | | | 25 typing Labs | | | 15 typing Labs | | |
| Antigen | Consensus | Inclusion | Antigen | Consensus | Inclusion | Antigen | Consensus | Inclusion | Antigen | Consensus | Inclusion |
| DR11 | 100% | 100% | NEG | 67% | 100% | DR1 | 100% | 100% | NEG | 67% | 100 |
| DR12 | 100% | 100% | DPw1 | 28% | 100% | DR10 | 100% | 100% | DQ2 | 27% | 20% |
| DR14 | 100% | 100% | DPw5 | 22% | 50% | DR11 | 100% | 100% | DQ7 | 20% | 100% |
| DR8 | 100% | 100% | DR11 | 6% | 50% | DR4 | 100% | 100% | DQ9 | 20% | 100% |
| DR13 | 100% | 89% | DR53 | 6% | 50% | DR7 | 100% | 100% | DQ8 | 20% | 33% |
| DR1 | 100% | 86% | | | | DR9 | 100% | 100% | | | |
| DR7 | 100% | 86% | | | | DQ8 | 96% | 100% | | | |
| DR9 | 96% | 71% | | | | DR14 | 96% | 100% | | | |
| DR17 | 92% | 100% | | | | DQ9 | 96% | 90% | | | |
| DR18 | 92% | 100% | | | | DR53 | 92% | 100% | | | |
| DR52 | 92% | 100% | | | | DQ7 | 92% | 88% | | | |
| DQ7 | 88% | 100% | | | | DP18 | 88% | 100% | | | |
| DR4 | 62% | 20% | | | | DP28 | 88% | 100% | | | |
| DQ2 | 54% | 40% | | | | DPw3 | 88% | 100% | | | |
| DQ4 | 27% | 100% | | | | DP14 | 84% | 100% | | | |
| DQ3 | 15% | 100% | | | | DPw2 | 84% | 75% | | | |
| DR1404 | 12% | 100% | | | | DP17 | 80% | 100% | | | |
| DR3 | 12% | 100% | | | | DQ4 | 80% | 25% | | | |
| DQ6 | 8% | 100% | | | | DP10 | 76% | 100% | | | |
| DR5 | 8% | 100% | | | | DPw6 | 76% | 100% | | | |
| DQ1 | 4% | 100% | | | | DPw4 | 76% | 94% | | | |
| DQ5 | 4% | 100% | | | | DP20 | 72% | 100% | | | |
| DQ9 | 4% | 100% | | | | DP9 | 72% | 100% | | | |
| DR53 | 4% | 100% | | | | DQ2 | 72% | 40% | | | |
| DR6 | 4% | 100% | | | | DP19 | 68% | 100% | | | |
| | | | | | | DP23 | 68% | 100% | | | |
| | | | | | | DP11 | 56% | 100% | | | |
| | | | | | | DPw1 | 52% | 50% | | | |
| | | | | | | DP13 | 44% | 33% | | | |
| | | | | | | DP402 | 20% | 100% | | | |
| | | | | | | DP401 | 16% | 100% | | | |
| | | | | | | DQ3 | 12% | 100% | | | |
| | | | | | | DR1404 | 12% | 100% | | | |
| | | | | | | DR5 | 12% | 100% | | | |

Table 21. Summary of the 552nd Serum Exchange (Serum #1201-1204) by C1q and Other - class II

| Method: NIH-Extended | | | | | | | | | | | | |
|---------------------------|-----------|-----------|---------------------------|-----------|-----------|---------------------------|-----------|-----------|---------------------------|-----------|-----------|--|
| *** Serum 1201 *** | | | *** Serum 1202 *** | | | *** Serum 1203 *** | | | *** Serum 1204 *** | | | |
| 1 typing Lab | | | 1 typing Lab | | | 1 typing Lab | | | 1 typing Lab | | | |
| Antigen | Consensus | Inclusion | Antigen | Consensus | Inclusion | Antigen | Consensus | Inclusion | Antigen | Consensus | Inclusion | |
| no consensus | | | no consensus | | | no consensus | | | no consensus | | | |

| Method: Flow Cytometry | | | | | | | | | | | | |
|---------------------------|-----------|-----------|---------------------------|-----------|-----------|---------------------------|-----------|-----------|---------------------------|-----------|-----------|--|
| *** Serum 1201 *** | | | *** Serum 1202 *** | | | *** Serum 1203 *** | | | *** Serum 1204 *** | | | |
| 1 typing Lab | | | 1 typing Lab | | | 1 typing Lab | | | 1 typing Lab | | | |
| Antigen | Consensus | Inclusion | Antigen | Consensus | Inclusion | Antigen | Consensus | Inclusion | Antigen | Consensus | Inclusion | |
| no antigens assigned | | | no antigens assigned | | | no antigens assigned | | | no antigens assigned | | | |

| Method: C1q | | | | | | | | | | | | |
|---------------------------|-----------|-----------|---------------------------|-----------|-----------|---------------------------|-----------|-----------|---------------------------|-----------|-----------|--|
| *** Serum 1201 *** | | | *** Serum 1202 *** | | | *** Serum 1203 *** | | | *** Serum 1204 *** | | | |
| 1 typing Lab | | | 1 typing Lab | | | 1 typing Lab | | | 1 typing Lab | | | |
| Antigen | Consensus | Inclusion | Antigen | Consensus | Inclusion | Antigen | Consensus | Inclusion | Antigen | Consensus | Inclusion | |
| no consensus | | | no consensus | | | no consensus | | | no consensus | | | |

| Method: Other | | | | | | | | | | | | |
|---------------------------|-----------|-----------|---------------------------|-----------|-----------|---------------------------|-----------|-----------|---------------------------|-----------|-----------|--|
| *** Serum 1201 *** | | | *** Serum 1202 *** | | | *** Serum 1203 *** | | | *** Serum 1204 *** | | | |
| 2 typing Labs | | | 2 typing Labs | | | 2 typing Labs | | | 2 typing Labs | | | |
| Antigen | Consensus | Inclusion | Antigen | Consensus | Inclusion | Antigen | Consensus | Inclusion | Antigen | Consensus | Inclusion | |
| no consensus | | | no consensus | | | no consensus | | | no consensus | | | |

Table 22. Individual laboratory results for Serum #1201-#1204 by NIH-Standard and NIH-Extended - class I

| | **** Serum 1201 **** | | | | **** Serum 1202 **** | | | | **** Serum 1203 **** | | | | **** Serum 1204 **** | | | | |
|-------------------|----------------------|-----|--|--------|----------------------|-----|--|-------|----------------------|-----|--|-----------|----------------------|-----|-----|-------|--------|
| Investigator | % POS | B14 | | Other | % POS | B14 | | Other | % POS | A24 | | Other | % POS | A23 | A24 | Other | Method |
| Claas, F.H.J. | 58 | + | | A1,A19 | 8 | + | | | 46 | | | A9,A1,A36 | 21 | | | A9 | STD |
| McCluskey, James | 46 | | | | 11 | | | | 33 | | | | 39 | | | | STD |
| Vasilescu, Rodica | 10 | + | | | 8 | + | | | 11 | + | | A23 | 8 | + | + | | STD |
| Watson, Narelle | 5 | | | A24 | 3 | | | A24 | 13 | + | | | 25 | + | + | | STD |

STD=NIH-Standard

| | **** Serum 1201 **** | | | | | **** Serum 1202 **** | | | | | **** Serum 1203 **** | | | | **** Serum 1204 **** | | | | | |
|---------------------|----------------------|-----|-----|-----|-------|----------------------|-----|-----|-----|-------|----------------------|-----|-----|--|----------------------|-------|-----|-----|-------|--------|
| Investigator | % POS | B14 | B64 | B65 | Other | % POS | B14 | B64 | B65 | Other | % POS | A23 | A24 | | Other | % POS | A23 | A24 | Other | Method |
| Lardy, N.M. | 22 | + | | | | 11 | + | | | | 35 | + | + | | | 30 | + | + | | EXT |
| Reed, Elaine F. PhD | 5 | | + | + | | 5 | | + | + | | 33 | + | + | | | 34 | + | + | | EXT |

EXT=NIH-Extended

Table 23. Individual laboratory results for Serum #1201-#1204 by Antiglobulin and C1q - class I

| Investigator | **** Serum 1201 **** | | | | | | | **** Serum 1202 **** | | | | | | | **** Serum 1203 **** | | | | | | | **** Serum 1204 **** | | | | | | | Method | | |
|---------------------|----------------------|-----|-----|-----|-----|-----|---------|----------------------|-----|----|-----|-----|-----|-------|----------------------|-----|-----|-----|-----|-----|-------|----------------------|-----|-----|-----|----|-----|-----|--------|--------------|--------------|
| | % POS | B18 | B39 | B46 | B64 | B65 | Other | % POS | B18 | B8 | B39 | B64 | B65 | Other | % POS | A23 | A24 | A25 | A32 | Bw4 | Other | % POS | A23 | A24 | A32 | A1 | A25 | Bw4 | | Other | |
| Cecka, J. Michael F | 42 | + | + | + | + | + | B51,B52 | 37 | + | + | + | + | + | B38 | 82 | + | + | + | + | + | | 90 | + | + | + | + | + | + | + | B7,B55,B56 | Antiglobulin |
| Hahn, Amy B. PhD | | + | + | + | + | + | | | + | + | + | + | + | | | + | + | + | + | + | | | + | + | + | + | + | + | | Antiglobulin | |
| Vasilescu, Rodica | 11 | + | | | | | B14,B8 | 12 | + | + | | | | B14 | 14 | + | + | + | + | | | 8 | + | + | + | | | | | Antiglobulin | |

| Investigator | **** Serum 1201 **** | | | | | | | **** Serum 1202 **** | | | | | | | **** Serum 1203 **** | | | | | | | **** Serum 1204 **** | | | | | | | Method | |
|-------------------|----------------------|-----|-----|-----|--|--|-------|----------------------|-----|-----|-----|----|--|-------|----------------------|-----|-----|-----|--|--|-------|----------------------|-----|--|--|--|--|--|--------|-------|
| | % POS | B64 | B65 | Cw1 | | | Other | % POS | B18 | B64 | B65 | B8 | | Other | % POS | A23 | A24 | A32 | | | Other | % POS | A23 | | | | | | | Other |
| Liu, Chang MD, Ph | | + | + | + | | | | | + | + | + | + | | | | + | + | + | | | | | + | | | | | | | C1q |

Table 24. Individual laboratory results for Serum #1201-#1204 by Other - class I

| | **** Serum 1201 **** | | | | | | | | | | | | | | | **** Serum 1202 **** | | | | | | | | | |
|---------------------|----------------------|-----|-----|-----|-----|----|--|--|--|--|--|--|--|--|--|----------------------|-------|-------|-----|-----|-----|-----|----|-------|-------------------------|
| Investigator | % POS | B18 | B64 | B65 | B78 | B8 | | | | | | | | | | | Other | % POS | B18 | B54 | B64 | B65 | B8 | Other | Method |
| Liu, Chang MD, PhD | 58 | | | | | | | | | | | | | | | | | 44 | | | | | | | Other - Phenotype Beads |
| Reed, Elaine F. PhD | 30 | + | + | + | + | + | | | | | | | | | | | | 30 | + | + | + | + | + | | Other - PRA |

| | **** Serum 1203 **** | | | | | | | | | | | | | | | | | | **** Serum 1204 **** | | | | | | | | | | | | |
|---------------------|----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------------|-----|-----|-----|-------|-------|----|-----|-----|-----|-----|-------|-------------------------|
| Investigator | % POS | A23 | A24 | A25 | A32 | A68 | B13 | B27 | B37 | B38 | B44 | B47 | B49 | B51 | B52 | B53 | B57 | B58 | B59 | B63 | B77 | Bw4 | Other | % POS | A1 | A23 | A24 | A25 | A32 | Other | Method |
| Liu, Chang MD, PhD | 82 | | | | | | | | | | | | | | | | | | | | | | | | 85 | | | | | | Other - Phenotype Beads |
| Reed, Elaine F. PhD | 84 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 80 | + | + | + | + | + | | Other - PRA |

Table 25. Individual laboratory results for Serum #1201 by Luminex - class I

| | | **** Serum 1201 **** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|-------|----------------------|----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|------|-------|-------|------------------|--------------------------|-------------------|-----|
| Investigator | % POS | B18 | B8 | A33 | B37 | B46 | B52 | B64 | B65 | B51 | B78 | Cw16 | A34 | B39 | B38 | B54 | B73 | A69 | Cw1 | Cw12 | B67 | Cw6 | A68 | Cw2 | Cw5 | Cw10 | B59 | B42 | Cw8 | B55 | B71 | Cw9 | Cw15 | B3901 | B7801 | Other | Method | | |
| Abu Amin, Noryati | Multi | + | + | | + | | + | + | + | | + | | + | | | | | + | | | | | | | | | | | | | | | | | | B48,B49,B47,B82 | LMX | | |
| Al-Attas, Rabab A. M | Multi | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | LMX | |
| Arnold, Paula PhD | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | + | + | | | | | | + | | | | | | | | | + | + | B*51:02,C*03:02, A*34:02 | LMX | |
| Bengochea, Carrette | 23 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | + | | | | | | | | | | | | | A2,A2403 | LMX | |
| Cecka, J. Michael P | 49 | + | + | + | + | + | + | + | + | + | + | | + | + | + | + | + | + | + | | | | | | | | | | | | | | | | | | | LMX | |
| Chen, Dong-Feng P | | + | + | + | + | + | + | + | + | + | + | + | + | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | LMX | |
| Daniel, Dolly | 5 | + | + | + | + | + | + | + | + | + | + | + | | + | + | + | | | | | | | | | | | | | | | | | | + | + | B5,A19,B14,Bw6 | LMX | | |
| Danish, Adel | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | | | | LMX | |
| Dunckley, Heather | 100 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | A24,B47,B27,A26 > | LMX | |
| Eckels/CPMC, | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | + | + | | | | | | | | | LMX | |
| Fort, Marylise | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | + | | | | | | LMX | |
| Hahn, Amy B. PhD | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | LMX | |
| Hamdi, Nuha | 47 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | | LMX | |
| Hod, Reut | 50 | + | + | + | + | | + | + | + | + | + | | + | | | | + | + | | | | + | | | | + | + | | | | | | | | | | B49,B47,B82 | LMX | |
| Holdsworth, Rhonda | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | Cw18 | LMX | |
| Juarez, Fabiola | 24 | + | + | + | + | + | + | + | + | + | | + | + | + | + | + | + | | + | + | + | + | | | + | + | | | | | | | | | | | B76 | LMX | |
| Keming, Du | 14 | + | + | + | + | + | + | + | + | + | + | + | | + | | | | | + | + | | | | | | | | | | | | | | | | | | LMX | |
| Lardy, N.M. | | + | + | + | + | + | + | + | + | + | + | + | | + | + | | | | | | | | | | | | | | | | | | | | | | | LMX | |
| Liu, Chang MD, PhD | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | | | | LMX | |
| Loewenthal , Ron M | 31 | + | + | + | + | + | | | + | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | + | + | + | + | | | | | + | Cw4,A2,B47,B27 > | LMX | | |
| McCluskey, James | 99 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A29,A74,A43,A80 > | LMX | |
| Pancoska, Carol Ph | 42 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | + | | | | | | LMX | |
| Permpikul, Vejbaesy | 28 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | | LMX | |
| Pule, Ziningi | 25 | + | + | + | + | + | | | | | + | + | + | + | + | + | + | + | | | | + | + | | | | | | | | | | | | | | A24,B27,B14,B81 > | LMX | |
| Reed, Elaine F. PhD | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | LMX | |
| V.Brouard, M.Tonye | 29 | + | + | + | + | + | + | + | + | + | | + | + | | + | + | + | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A43,A80 | LMX | |
| Vasilescu, Rodica | | + | + | + | + | + | + | + | + | + | | + | + | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | LMX |
| Vather/JHB, | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | B61,B47,B27,A26 > | LMX |
| Vather/Pinetown, | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | A29,A74,A24,B27 > | LMX |
| Xu, Ri | | + | + | + | | + | | | | | + | | | + | | | | | | | | | | | | | | | | | | | | | | | B14,B5C,B8C,B7C > | LMX | |

Table 26. Individual laboratory results for Serum #1202 by Luminex - class I

| | | **** Serum 1202 **** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|-------|----------------------|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|----|-----|-----|-----|-----|------|-----|-----|-------|-------------------|-----------------------|--|
| Investigator | % POS | B18 | B54 | B8 | B73 | B37 | A33 | B39 | B59 | B64 | B65 | A34 | B67 | Cw5 | B38 | B27 | B55 | A69 | A68 | B51 | B42 | B47 | B2708 | B46 | B7 | Cw1 | Cw4 | B78 | B41 | Cw16 | B81 | Cw8 | Other | | | |
| Abu Amin, Noryati | Multi | + | + | + | | + | + | + | + | + | + | + | + | | | + | + | + | + | | + | | | | | + | | | + | + | | + | | B48,B49,B75,A25 > | | |
| Al-Attas, Rabab A. M | Multi | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | + | | | | + | | | | | | | | |
| Arnold, Paula PhD | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | + | | | | | | | | | | | B3901,B*27:08,A*34:02 | |
| Bengochea, Carrette | 24 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | + | + | | + | + | | | | | | | | | | | + | B7801 | |
| Cecka, J. Michael P | 35 | + | + | + | + | + | + | | | + | + | + | | | + | | | | + | | | | | | | | + | | + | | + | | | | B52,Cw12 | |
| Chen, Dong-Feng P | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | + | | | | | B7801 | |
| Daniel, Dolly | 8 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | + | | | | | | | | | | + | B14,B16,Bw4,Bw6 > | |
| Danish, Adel | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | + | | | | | | | | | | | | | | | | |
| Dunckley, Heather | 95 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | B60,B13,B82,B76 > | |
| Eckels/CPMC, | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Fort, Marylise | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | B60,B61,B13,B82 > | |
| Hahn, Amy B. PhD | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Hamdi, Nuha | 36 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | + | + | + | | | | | | | | | | | | | | | |
| Hod, Reut | 32 | + | + | + | + | + | | | + | + | + | | + | + | | | | | + | | | | | | | | | | | | | | | | B75 | |
| Holdsworth, Rhonda | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | B13,B82,B76,Cw12 | |
| Juarez, Fabiola | 16 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Keming, Du | 15 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Lardy, N.M. | | + | + | + | + | + | + | + | + | + | + | | | + | + | | | | | | | | | + | | | | | | | | | | | + | |
| Liu, Chang MD, PhD | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Loewenthal , Ron M | 22 | + | + | + | + | + | + | + | | | + | + | + | + | | | | | + | + | | + | + | | | | | | | | | | | + | B14,B7801 | |
| McCluskey, James | 94 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | B13,B82,B76,B8101 > | |
| Pancoska, Carol Ph | 37 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Permpikul, Vejbaesy | 20 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | + | + | | | | | | | | | | | | | | |
| Pule, Ziningi | 17 | + | + | + | + | + | + | | | | + | + | | | | + | + | | | | | + | + | | | | | | | | | | | + | B14,Bw4,Bw6 | |
| Reed, Elaine F. PhD | | + | + | + | + | + | + | + | + | + | + | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A*34:02, B*51:01 | |
| V.Brouard, M.Tonye | 35 | + | + | + | + | + | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | + | | | | | B8101,B7801,B3901 | |
| Vasilescu, Rodica | | + | + | + | + | + | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | B3901 | |
| Vather/JHB, | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | B13,B76 | |
| Vather/Pinetown, | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | B13,B76,B82,Cw12 > | |
| Xu, Ri | | + | + | + | + | | + | + | | | | + | | | | | | | | | | | | + | | | | | | | | | | + | B14,B12C,B5C,B8C > | |

Table 27. Individual laboratory results for Serum #1203 by Luminex - class I

| | | **** Serum 1203 **** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|-------|----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|----|-------|-----|-----------------------------------|-------------------|--------|-----|
| Investigator | % POS | A23 | A25 | A32 | A24 | A80 | B37 | B38 | B44 | B49 | B52 | B53 | B57 | B58 | B59 | B27 | B13 | B63 | B77 | A2 | B47 | B51 | B76 | A68 | A69 | B35 | A1 | A2403 | Bw4 | B18 | Other | Method | |
| Abu Amin, Noryati | Multi | + | + | + | + | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | + | + | + | | | | + | B61,B82,B45,B55 > | LMX | |
| Al-Attas, Rabab A. M | Multi | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | LMX |
| Arnold, Paula PhD | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | + | + | + | | | | + | | Bw4 (wk pos A1,A2,A68,A69,B35) | LMX | | |
| Bengochea, Carrette | 36 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | LMX | |
| Cecka, J. Michael P | 71 | + | + | + | + | + | | | | | | | | | | | | | | | + | | | + | + | + | | | + | | | LMX | |
| Chen, Dong-Feng P | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A203,B7801 | LMX | |
| Daniel, Dolly | 22 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A9,A203,B15,B5 > | LMX | | |
| Danish, Adel | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | LMX | |
| Dunckley, Heather | 97 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | LMX | |
| Eckels/CPMC, | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | LMX | |
| Fort, Marylise | NT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | LMX | |
| Hahn, Amy B. PhD | | + | + | + | + | + | | | | | | | | | | | | | | | + | | | + | + | + | + | | + | | | LMX | |
| Hamdi, Nuha | 73 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | + | + | + | + | + | + | | | B46 | LMX | |
| Hod, Reut | 76 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | + | | | + | | | | + | | B61,B48,B82,B45 > | LMX | |
| Holdsworth, Rhonda | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | B78 | LMX | |
| Juarez, Fabiola | 35 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | LMX | |
| Keming, Du | 29 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | LMX | |
| Lardy, N.M. | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | LMX | |
| Liu, Chang MD, PhD | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | LMX | |
| Loewenthal , Ron M | 36 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | LMX | |
| McCluskey, James | 98 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A203,B78,B7801 | LMX | |
| Pancoska, Carol Ph | 37 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | LMX | |
| Permpikul, Vejbaesy | 35 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | LMX | |
| Pule, Ziningi | 35 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | B15,Bw6 | LMX | | |
| Reed, Elaine F. PhD | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | LMX | |
| V.Brouard, M.Tonye | 73 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A203 | LMX | | |
| Vasilescu, Rodica | | + | + | + | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | A203 | LMX | |
| Vather/JHB, | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | B78,Cw5 | LMX | |
| Vather/Pinetown, | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | B78 | LMX | |
| Xu, Ri | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | + | | + | | | | | + | + | B15,B12C,B5C,B8C > | LMX | | |

Table 28. Individual laboratory results for Serum #1204 by Luminex - class I

| | | **** Serum 1204 **** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|-------|----------------------|-----|-----|-----|-----|-----|----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----------------|-----------------------|--------|
| Investigator | % POS | A23 | A24 | A25 | B55 | A32 | B27 | A1 | B56 | B57 | B7 | B42 | B49 | B54 | B58 | B67 | B37 | B38 | B44 | B59 | B63 | B76 | B51 | B52 | B53 | B77 | B82 | A80 | B47 | B81 | B13 | B45 | B2708 | A2403 | Other | Method |
| Abu Amin, Noryati | Multi | + | + | + | + | | + | | + | + | + | + | + | + | + | | + | + | + | + | + | | | | | | + | | + | + | + | + | | | A2,B60,B61,B48 > | LMX |
| Al-Attas, Rabab A. M | Multi | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | LMX |
| Arnold, Paula PhD | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | + | | | + | + | B8101,B8201 | LMX |
| Bengochea, Carrette | 36 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | + | + | | | | + | + | B8101,Bw4,B8201 | LMX |
| Cecka, J. Michael P | 84 | + | + | + | + | + | | + | + | | + | + | | + | | + | | | | | | + | | | | | + | + | | + | | | | | Bw4 | LMX |
| Chen, Dong-Feng P | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | + | + | | + | + | + | + | B8101,Bw4,Cw9,B8201 | LMX |
| Daniel, Dolly | 18 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | + | + | A9,B15,B5,B22 > | LMX | |
| Danish, Adel | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | LMX |
| Dunckley, Heather | 98 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A30,A31,Cw10,Cw9 | LMX |
| Eckels/CPMC, | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | Bw4 | LMX |
| Fort, Marylise | NT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | LMX |
| Hahn, Amy B. PhD | | + | + | + | + | + | + | + | + | | + | + | | + | | | | | | | | + | | | | | + | + | | + | | | | | Bw4 | LMX |
| Hamdi, Nuha | 84 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | LMX |
| Hod, Reut | 72 | + | + | + | + | + | + | | + | + | + | + | + | | + | + | + | | | | + | + | | + | + | + | + | + | + | + | | | + | | B61,B48,B50,A68 > | LMX |
| Holdsworth, Rhonda | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A36,B41,B73,Bw4 > | LMX |
| Juarez, Fabiola | 34 | + | + | + | + | + | + | + | + | + | + | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | LMX |
| Keming, Du | 36 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | LMX |
| Lardy, N.M. | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | LMX |
| Liu, Chang MD, PhD | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | LMX |
| Loewenthal , Ron M | 40 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A36,B41,B73,B8101 > | LMX |
| McCluskey, James | 97 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A30,A31,A36,B41 > | LMX |
| Pancoska, Carol Ph | 43 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | LMX |
| Permpikul, Vejbaesy | 37 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | LMX |
| Pule, Ziningi | 11 | + | + | + | + | + | + | + | | + | | | | | | | | | | | | | | | | | | | | | | | | | B15,B16,Bw4,Bw6 | LMX |
| Reed, Elaine F. PhD | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | B41 | LMX |
| V.Brouard, M.Tonye | 58 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | LMX |
| Vasilescu, Rodica | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A30,A31,A36,B8101 > | LMX |
| Vather/JHB, | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | Cw4,A30,A31,A36 > | LMX |
| Vather/Pinetown, | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A30,A36,Cw9,Cw10,B41> | LMX |
| Xu, Ri | | + | + | + | + | + | + | + | + | | | | + | | + | + | | | | | | | | | | | | | | | | | | + | B15,B12C,B5C,B8C > | LMX |

Table 29. Individual laboratory results for Serum #1201-1204 by Flow Cytometry and Elisa - class I

| **** Serum 1201 **** | | | | | | | | | | | | | **** Serum 1202 **** | | | | | | | | | |
|----------------------|-------|----|-----|-----|-----|-----|-----|-----|-----|-----|----|-------------------|----------------------|-----|-----|-----|-----|----|--|--|--|--------|
| Investigator | % POS | A1 | A26 | B18 | B37 | B46 | B51 | B64 | B65 | B78 | B8 | Other | % POS | B18 | B59 | B64 | B65 | B8 | | | | Method |
| Eckels/CPMC, | 52 | | | | | | | | | | | | 76 | | | | | | | | | FC |
| Hahn, Amy B. PhD | | + | + | + | + | + | + | + | + | + | + | A31 | | + | + | + | + | + | | | | Elisa |
| Juarez, Fabiola | 40 | + | + | + | + | + | + | + | + | + | + | B48,B44,B52,B75 > | 17 | + | + | + | + | + | | | | Elisa |

FC = Flow cytometry

| **** Serum 1203 **** | | | | | | | | | | | | | **** Serum 1204 **** | | | | | | | | | | |
|----------------------|-------|-----|-----|-----|--|--|--|--|--|--|--|------------------|----------------------|-----|-----|-----|-----|-----|-----|----|-----|-------------------|--------|
| Investigator | % POS | A23 | A25 | A32 | | | | | | | | Other | % POS | A23 | A24 | A25 | A32 | B42 | B55 | B7 | B81 | Other | Method |
| Eckels/CPMC, | 85 | | | | | | | | | | | | 89 | | | | | | | | | | FC |
| Hahn, Amy B. PhD | | + | + | + | | | | | | | | A24,BW4 | | + | + | + | + | + | + | + | + | A2,B45,A1,A31 > | Elisa |
| Juarez, Fabiola | 36 | + | + | + | | | | | | | | A2,B49,B13,B47 > | 44 | + | + | + | + | + | + | + | + | B49,B13,B47,B44 > | Elisa |

Table 30. Individual laboratory results for Serum #1201-1202 by Luminex - class II

| Investigator | **** Serum 1201 **** | | | | | | | | | | | | | | | | | **** Serum 1202 **** | | | | | | | | |
|----------------------|----------------------|------|------|------|-----|------|-----|-----|-----|------|------|------|-----|-----|-----|-----|-----|----------------------|-----|---|------------------|------|------|-----------|--------|-----|
| | % POS | DR11 | DR12 | DR14 | DR8 | DR13 | DR1 | DR7 | DR9 | DR17 | DR18 | DR52 | DQ7 | DR4 | DQ2 | DQ4 | DQ3 | DR1404 | DR3 | Other | % POS | DPw1 | DPw5 | Other | Method | |
| Abu Amin, Noryati | Multi | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | DR53 | 0 | | | | LMX |
| Al-Attas, Rabab A. M | Multi | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | 0 | | | | LMX |
| Arnold, Paula PhD | | | + | + | + | + | + | + | + | + | + | + | + | | + | | | | | | DQA1*05, DQA1*06 | 0 | | | | LMX |
| Bengochea, Carrette | 45 | + | + | + | + | + | + | + | + | + | + | + | | + | + | + | + | + | + | DQ5,DQ6 | | | | | LMX | |
| Cecka, J. Michael P | 86 | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | 0 | | | | LMX | |
| Chen, Dong-Feng P | | | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | DQA1*04, DQA1*05, DQA1*06 | | | | | LMX | |
| Daniel, Dolly | 28 | + | + | + | + | + | + | + | + | + | + | + | | + | | + | + | + | + | DR5,DR6,DQ1,DQ9, DQA1*05:01, DRB3*03:01, DRB3*02:02, DQA1*06:01, DQA1*04:01 | 0 | | | | LMX | |
| Danish, Adel | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | + | + | | LMX | |
| Dunckley, Heather | 97 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | 0 | | | | LMX | |
| Eckels/CPMC, | | | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | DQA1*04, DQA1*05, DRB1*04:04 | | | | | LMX | |
| Fort, Marylise | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | NT | | | | LMX | |
| Hahn, Amy B. PhD | | | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | | | LMX | |
| Hamdi, Nuha | 97 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | 0 | + | + | DR11,DR53 | LMX | |
| Hod, Reut | 80 | + | + | + | + | + | + | + | + | + | + | + | + | | + | | | | | | 0 | | | | LMX | |
| Holdsworth, Rhonda | | | + | + | + | + | + | + | + | + | + | + | + | | | | | | | DQA1*04, DQA1*05, DQA1*06, DRB1*04:04, DRB1*04:01, DRB1*04:05 | | | + | + | | LMX |
| Keming, Du | 27 | + | + | + | + | + | + | + | + | + | + | + | + | | + | | | | | | | | | | LMX | |
| Liu, Chang MD, PhD | | | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | | | | LMX | |
| McCluskey, James | 92 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | 3 | | | | LMX | |
| Pancoska, Carol Ph | 33 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | 0 | | | | LMX | |
| Permpikul, Vejbaesy | 31 | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | Neg | | | | LMX | |
| Pule, Ziningi | 44 | + | + | + | + | + | + | + | + | + | + | | | + | + | | + | | + | DQ6 | 0 | | | | LMX | |
| Reed, Elaine F. PhD | | | + | + | + | + | + | + | + | + | + | + | + | | | | | | | DQA1*04, DQA1*05 | 0 | | | | LMX | |
| V.Brouard, M.Tonye | 97 | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | 0 | | | | LMX | |
| Vather/JHB, | | | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | + | + | | LMX | |
| Vather/Pinetown, | | | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | + | | | LMX | |
| Xu, Ri | | | + | + | + | + | + | + | + | | | + | + | | + | | + | + | + | DR5 | | | | | LMX | |

Table 31. Individual laboratory results for Serum #1203 by Luminex - class II

| | | **** Serum 1203 **** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|-------|----------------------|------|------|-----|-----|-----|-----|------|-----|------|-----|------|------|------|------|------|------|-----|------|------|------|------|-----|-----|------|------|------|------|------|-------|-------|-----|--------|-----|-------|--------|-----------|-----|---|--|-----------------------|------------------------------|-----|-----|-----|-----|
| Investigator | % POS | DR1 | DR10 | DR11 | DR4 | DR7 | DR9 | DQ8 | DR14 | DQ9 | DR53 | DQ7 | DP18 | DP28 | DPw3 | DP14 | DPw2 | DP17 | DQ4 | DP10 | DPw6 | DPw4 | DP20 | DP9 | DQ2 | DP19 | DP23 | DP11 | DPw1 | DP13 | DP402 | DP401 | DQ3 | DR1404 | DR5 | Other | Method | | | | | | | | | | |
| Abu Amin, Noryati | Multi | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | + | | | | | | | | | | | | | | | | | | DR12,DR17 | LMX | | | | | | | | |
| Al-Attas, Rabab A. M | Multi | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | LMX | | | | | | |
| Arnold, Paula PhD | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | DPA1*01, DPA1*03, DQA1*03, DQA1*05, DQA1*06, DRB1*14:01, DRB1*14:54 | LMX | | | | | | |
| Bengochea, Carrette | 59 | + | + | + | + | + | + | + | + | + | + | | + | + | + | + | + | + | + | + | | + | | | | | | | | | | | | | | + | + | | | DQ5,DQ6 | LMX | | | | | | |
| Cecka, J. Michael P | 86 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | + | + | + | + | | | | | | | | | | | | | | | | | | LMX | | | | | |
| Chen, Dong-Feng P | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | DPA1*01, DPA1*03, DQA1*02, DQA1*03, DQA1*04, DQA1*05, DQA1*06 | LMX | | | | | | |
| Daniel, Dolly | 35 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | + | | | | | | | | | | | | | | | + | + | + | | DPA1*01:03, DPA1*03:01, DQA1*02:01, DQA1*03:01, DQA1*04:01, DQA1*05:01, DQA1*03:02, DQA1*06:01 | LMX | | | | | |
| Danish, Adel | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | LMX | | | | | |
| Dunckley, Heather | 97 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | LMX | | | | |
| Eckels/CPMC, Fort, Marylise | NT | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | DQA1*02, DQA1*03, DQA1*04, DQA1*05, DQA1*06 | LMX | | | | | |
| Hahn, Amy B. PhD | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | LMX | | | | | |
| Hamdi, Nuha | 86 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | DR17 | LMX | | | | | |
| Hod, Reut | 83 | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | + | | | | | | | | | | | | | | | | | | | | | DR12 | LMX | | | | |
| Holdsworth, Rhonda | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | DR2, DPA1*01, DPA1*03 | LMX | | | | |
| Keming, Du | 58 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | LMX | | | |
| Liu, Chang MD, PhD | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | LMX | | |
| McCluskey, James | 100 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | LMX | | |
| Pancoska, Carol Ph | 63 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | LMX | | |
| Permpikul, Vejbaesy | 58 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | LMX | | |
| Pule, Ziningi | 60 | + | + | + | + | + | + | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | | | | | | | | | | + | | | | | LMX | | |
| Reed, Elaine F. PhD | | + | + | + | + | + | + | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | DRB1*14:01, DPA1*01, DPA1*03 | LMX | | | |
| V.Brouard, M.Tonye | 17 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | LMX | | |
| Vather/JHB, | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | LMX | |
| Vather/Pinetown, | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | LMX |
| Xu, Ri | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | LMX |

Table 32. Individual laboratory results for Serum #1204 by Luminex - class II

| **** Serum 1204 **** | | | | | | | |
|----------------------|-------|-----|-----|-----|-----|--|--------|
| Investigator | % POS | DQ2 | DQ7 | DQ9 | DQ8 | Other | Method |
| Abu Amin, Noryati | Multi | + | | | | | LMX |
| Al-Attas, Rabab A. M | 0 | | | | | | LMX |
| Arnold, Paula PhD | 0 | | | | | | LMX |
| Bengochea, Carrette | | | | | | | LMX |
| Cecka, J. Michael P | 0 | | | | | | LMX |
| Chen, Dong-Feng P | | | | | | | LMX |
| Daniel, Dolly | 0 | | | | | | LMX |
| Danish, Adel | | + | + | + | + | | LMX |
| Dunckley, Heather | 0 | + | | | | | LMX |
| Eckels/CPMC, | | | | | | | LMX |
| Fort, Marylise | NT | | | | | | LMX |
| Hahn, Amy B. PhD | | | | | | | LMX |
| Hamdi, Nuha | 0 | + | + | + | + | | LMX |
| Hod, Reut | 0 | | | | | | LMX |
| Holdsworth, Rhonda | | | | | | weak DQA1*05:01, DQA1*05:05, DQA1*05:03, DQA1*06:01 | LMX |
| Keming, Du | | | | | | | LMX |
| Liu, Chang MD, PhD | | | | | | | LMX |
| McCluskey, James | 59 | | + | + | + | | LMX |
| Pancoska, Carol Ph | 0 | | | | | | LMX |
| Permpikul, Vejbaesy | Neg | | | | | | LMX |
| Pule, Ziningi | 0 | | | | | | LMX |
| Reed, Elaine F. PhD | 0 | | | | | | LMX |
| V.Brouard, M.Tonye | 0 | | | | | | LMX |
| Vather/JHB, | | | | | | DQA1*05:05, DQA1*05:03, DQA1*06:01, DQA1*03:02 | LMX |
| Vather/Pinetown, | | | | | | DQA1*05:05, DQA1*05:03 | LMX |
| Xu, Ri | | | | | | | LMX |

Table 33. Individual laboratory results for Serum #1201-1204 by NIH-Extended, Flow Cytometry, C1q, and Other - class II

| Investigator | **** Serum 1201 **** | | | | | | | | | | **** Serum 1202 **** | | **** Serum 1203 **** | | | | | | | | | | **** Serum 1204 **** | | Method | | | |
|---------------------|----------------------|-----|------|------|------|------|------|------|-----|--|----------------------|-------|---------------------------|-------|------|------|------|------|------|------|------|-----|----------------------|--|--------|-------|-------|---------------------------|
| | % POS | DQ7 | DR11 | DR12 | DR13 | DR14 | DR17 | DR18 | DR8 | | | % POS | no specificities assigned | % POS | DP18 | DP20 | DP28 | DPw2 | DPw3 | DPw4 | DPw6 | DR4 | DR53 | | | Other | % POS | no specificities assigned |
| Reed, Elaine F. PhD | 87 | | | | | | | | | | 4 | | | 63 | | | | | | | | | | | | 24 | | Ext |
| Eckels/CPMC | 96 | | | | | | | | | | 3 | | | 97 | | | | | | | | | | | | 0 | | FC |
| Liu, Chang MD, PhD | | + | + | + | + | + | + | + | + | | | | | | + | + | + | + | + | + | + | + | + | | | | | C1q |

Ext - NIH Extended
FC = Flow Cytometry

| Investigator | **** Serum 1201 **** | | | | | | | | | | **** Serum 1202 **** | | **** Serum 1203 **** | | | | | | | | | | **** Serum 1204 **** | | Method | | | |
|---------------------|----------------------|-----|-----|------|------|------|------|------|------|-----|----------------------|-------|---------------------------|-------|-----|-----|-----|-----|-----|------|------|-----|----------------------|-----|--------|-------|-------|---------------------------|
| | % POS | DQ7 | DR1 | DR11 | DR12 | DR13 | DR14 | DR17 | DR18 | DR7 | DR8 | % POS | no specificities assigned | % POS | DQ4 | DQ7 | DQ8 | DQ9 | DR1 | DR10 | DR11 | DR4 | DR7 | DR9 | | Other | % POS | no specificities assigned |
| Liu, Chang MD, PhD | 97 | | | | | | | | | | 0 | | | 100 | | | | | | | | | | | | 0 | | Other - Phenotype Beads |
| Reed, Elaine F. PhD | 77 | + | + | + | + | + | + | + | + | + | 0 | | | 83 | + | + | + | + | + | + | + | + | + | + | DR12 | 0 | | Other - PRA |