

Cell Exchange #389

November 24, 2015

The results for Cell Exchange #389 are summarized in Tables 9 - 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. The haplotype frequencies used in this report are from the NMDP Bioinformatics website, <http://bioinformatics.nmdp.org/>.

Cell 1553. The consensus type for this sample from a Korean donor is A*11:01(A11)-A*24:02(A24)-B*40:06(B61)-B*51:01(B51)-C*08:01(Cw8)-C*14:02. The likely class I associations in this sample are A*11:01-B*51:01-C*14:02 and A*24:02-B*40:06-C*08:01, with respective frequencies of 0.00799 and 0.00314, in Asians. The association of A*24:02-B*40:06-C*08:01 was observed in 2 other exchange cells, cell 1194 (same as cell 1160) from a Japanese donor and cell 1508 from a Filipino donor.

B61 was reported as the B40 split by 74% and confirmed as B*40:06 (94%). B51 (96%) was reported as the second B-locus type. B*51:01 (100%) was assigned by DNA, with 3 labs assigning B*51:01:01. A11 (100%) and A24 (96%) were the reported A-locus types and confirmed as A*11:01 (94%) and A*24:02 (100%). A11.1 was reported by 1 serology lab.

Cell 1554. The consensus type for this sample from a Thai donor is A*02:01(A2)-A*02:03-B*13:01(B13)-B*40:01(B60)-C*03:04(Cw3)-C*07:02(Cw7). The likely associations in this cell are B*13:01-C*03:04 and B*40:01-C*07:02, with respective frequencies of 0.02734 and 0.03165, in Asians.

This sample was previously studied as cell 1355 (2009) and extract 375 (2006), as astutely noted by Askar and Claas. In this present typing, A2 was reported in complete consensus, with 2 labs assigning A203. Two subtypes of A2 were found to be present in this cell, A*02:01 (94%) and A*02:03 (100%). A*02:01:01 and A*02:03:01 were each assigned by 5 labs. B13 (91%) and B60 (87%) were the B-locus types, with DNA assigning B*13:01 (100%) and B*40:01 (100%). Cw3 and Cw7 were each reported by 35% and confirmed as C*03:04 (95%) and C*07:02 (100%). C*03:04:01 was assigned by 5 labs and C*07:02:01 was assigned by 3 labs.

Cell 1555. The consensus type for this sample from a Filipino donor is A*11:01(A11)-A*24:02(A24)-B*40:01(B60)-B*48:01(B48)-C*07:02(Cw7). One likely association in this cell is A*11:01-B*40:01-C*07:02, with HF=0.01558 in Asians. The other likely association may then be A*24:02-B*48:01-C*07:02. It is unusual to observe the association of B*48:01 with C*07:02 in this sample, as B*48:01 is often associated with C*08:01 in Asians (HF= 0.01856).

A*11:01 (94%), A*24:02 (94%), B*40:01 (95%), B*48:01 (94%) and C*07:02(100%) were all well assigned by labs reporting at high resolution. B*48:01:01 and C*07:02:01 were each assigned by 4 labs. A11 (100%), A24 (95%), B60 (91%), B48 (76%), and Cw7 (48%) were reported by serology. A11.1 was assigned by 1 lab.

Cell 1556. The consensus type for this sample from a Hispanic donor is A*02:06(A2)-A*32:01(A32)-B*14:01(B64)-B*52:01(B52)-C*04:01(Cw4)-C*08:02(Cw8). The likely class I associations in this cell are A*02:06-B*52:01-C*04:01 and A*32:01-B*14:01-C*08:02, with respective frequencies of HF=0.00076 and HF=0.00181, in Hispanics.

B14 was reported by 91%, with 48% of labs assigning B64 as the split of B14. B*14:01 (*14:01:01) was assigned by 100% of labs reporting at high resolution. The second B-locus type was reported as B52 (91%) and confirmed as B*52:01 (B52:01:02) (100%). A1 and A32 were well assigned by 100% and 95%, respectively, with DNA assigning A*02:06 (*02:06:01) (100%) and A*32:01 (*32:01:01) (94%). The C-locus types were Cw4 (43%) and Cw8 (38%). C*04:01 and C*08:02 were assigned by 94% and 100%, respectively.

Table 9. Summary of the 389th Cell Exchange (Cell #1553-1556)

DNA typing

| Cell 1553 | |
|-------------------------|---------|
| 25 low/17 high labs - A | %(n) |
| A*11:01:01 | 12(2) |
| A*11:01 | 82(14) |
| A*11:141 | 6 (1) |
| A*11 | 100(25) |
| | |
| | |
| 25 low/17 high labs - A | %(n) |
| A*24:02:01:01 | 6 (1) |
| A*24:02 | 94(16) |
| A*24 | 100(25) |
| | |
| | |
| 25 low/18 high labs - B | %(n) |
| B*40:06:01 | 11(2) |
| B*40:06 | 83(15) |
| B*40:04 | 6 (1) |
| B*40(B61) | 12(3) |
| B*40 | 88(22) |
| 25 low/17 high labs - B | %(n) |
| B*51:01:01 | 18(3) |
| B*51:01 | 82(14) |
| B*51 | 100(25) |
| | |
| | |
| 24 low/16 high Labs - C | %(n) |
| C*08:01:01 | 19(3) |
| C*08:01:01G | 6 (1) |
| C*08:01P | 6 (1) |
| C*08:01 | 69(11) |
| C*08 | 100(24) |
| | |
| | |
| 24 low/16 high Labs - C | %(n) |
| C*14:02:01 | 31(5) |
| C*14:02 | 69(11) |
| C*14 | 100(24) |
| | |
| | |

| Cell 1554 | |
|-------------------------|---------|
| 25 low/17 high labs - A | %(n) |
| A*02:01:01 | 29(5) |
| A*02:01 | 65(11) |
| A*02:101 | 6 (1) |
| A*02 | 100(25) |
| | |
| | |
| 25 low/17 high labs - A | %(n) |
| A*02:03:01 | 29(5) |
| A*02:03 | 71(12) |
| A*02 | 100(25) |
| | |
| | |
| 25 low/17 high labs - B | %(n) |
| B*13:01:01 | 6 (1) |
| B*13:01 | 94(16) |
| B*13 | 100(25) |
| | |
| | |
| 25 low/18 high labs - B | %(n) |
| B*40:01:02 | 6 (1) |
| B*40:01 | 94(17) |
| B*40(B60) | 12(3) |
| B*40 | 88(22) |
| | |
| | |
| 24 low/18 high Labs - C | %(n) |
| C*03:04:01 | 28(5) |
| C*03:04 | 67(12) |
| C*03:191 | 5 (1) |
| C*03(Cw10) | 12 (3) |
| C*03 | 88(21) |
| | |
| | |
| 24 low/18 high Labs - C | %(n) |
| C*07:02:01 | 17(3) |
| C*07:02:01G | 11(2) |
| C*07:02P | 5 (1) |
| C*07:02 | 67(12) |
| C*07 | 100(24) |
| | |
| | |

| Cell 1555 | |
|-------------------------|---------|
| 23 low/18 high labs - A | %(n) |
| A*11:01:01 | 6 (1) |
| A*11:01 | 88(16) |
| A*11:141 | 6 (1) |
| A*11 | 100(23) |
| | |
| | |
| 23 low/18 high labs - A | %(n) |
| A*24:02 | 94(17) |
| A*24:233 | 6 (1) |
| A*24 | 100(23) |
| | |
| | |
| 23 low/19 high labs - B | %(n) |
| B*40:01:02 | 5 (1) |
| B*40:01 | 90(17) |
| B*40:45 | 5 (1) |
| B*40(B60) | 13(3) |
| B*40 | 87(20) |
| 23 low/18 high labs - B | %(n) |
| B*48:01:01 | 22(4) |
| B*48:01 | 72(13) |
| B*48:03 | 6 (1) |
| B*48 | 100(23) |
| | |
| | |
| 22 low/18 high Labs - C | %(n) |
| C*07:02:01 | 22(4) |
| C*07:02:01G | 6 (1) |
| C*07:02P | 6 (1) |
| C*07:02 | 67(12) |
| C*07 | 100(22) |
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| Cell 1556 | |
|-------------------------|---------|
| 24 low/18 high labs - A | %(n) |
| A*02:06:01 | 22(4) |
| A*02:06 | 78(14) |
| A*02 | 100(24) |
| | |
| | |
| 24 low/17 high labs - A | %(n) |
| A*32:01:01 | 23(4) |
| A*32:01 | 71(12) |
| A*32:23 | 6 (1) |
| A*32 | 100(24) |
| | |
| | |
| 24 low/17 high labs - B | %(n) |
| B*14:01:01 | 24 (4) |
| B*14:01 | 76(13) |
| B*14(B64) | 12(3) |
| B*14 | 88(21) |
| | |
| | |
| 24 low/16 high labs - B | %(n) |
| B*52:01:02 | 25(4) |
| B*52:01 | 75(12) |
| B*52 | 100(24) |
| | |
| | |
| 23 low/17 high Labs - C | %(n) |
| C*04:01:01 | 6 (1) |
| C*04:01:01G | 6 (1) |
| C*04:01P | 6 (1) |
| C*04:01 | 76(13) |
| C*04:03 | 6 (1) |
| C*04 | 100(23) |
| 23 low/17 high Labs - C | %(n) |
| C*08:02:01 | 12(2) |
| C*08:02 | 88(15) |
| C*08 | 100(23) |
| | |
| | |

Table 10. Summary of the 389th Cell Exchange (Cell #1553-1556)

Serological typing

| (Korean) Cell 1553 | |
|-------------------------------|----------|
| (23 Samples Typed) | |
| A11 | 95.7% |
| A11.1 | 4.3% |
| | [100.0%] |
| A24 | 95.7% |
| | [95.7%] |
| B61 | 73.9% |
| B40 | 21.7% |
| | [95.7%] |
| B51 | 95.7% |
| B5 | 4.3% |
| | [100.0%] |
| Cw8 | 26.1% |
| Bw4 | 82.6% |
| Bw6 | 78.3% |
| Others Found | |
| Cw3 | 4.3% |
| A9 | 4.3% |
| Cw7 | 4.3% |

| (Asian) Cell 1554 | |
|------------------------------|----------|
| (23 Samples Typed) | |
| A2 | 100.0% |
| A203 | 8.7% |
| | [100.0%] |
| B13 | 91.3% |
| B60 | 87.0% |
| B40 | 8.7% |
| | [95.7%] |
| Cw3 | 34.8% |
| Cw10 | 4.3% |
| | [39.1%] |
| Cw7 | 34.8% |
| Bw4 | 73.9% |
| Bw6 | 82.6% |
| Others Found | |
| Cw5 | 4.3% |
| B14 | 4.3% |
| Cw4 | 4.3% |
| B52 | 4.3% |
| A32 | 4.3% |
| Cw8 | 4.3% |

| (Filipino) Cell 1555 | |
|---------------------------------|----------|
| (21 Samples Typed) | |
| A11 | 95.2% |
| A11.1 | 4.8% |
| | [100.0%] |
| A24 | 95.2% |
| | [95.2%] |
| B60 | 90.5% |
| B40 | 9.5% |
| | [95.2%] |
| B48 | 76.2% |
| Cw7 | 47.6% |
| Bw6 | 81.0% |
| Others Found | |
| B81 | 9.5% |
| A9 | 4.8% |
| B64 | 4.8% |
| B50 | 4.8% |
| Cw2 | 4.8% |
| Bw4 | 4.8% |
| Cw4 | 4.8% |

| (Hispanic) Cell 1556 | |
|---------------------------------|----------|
| (21 Samples Typed) | |
| A2 | 100.0% |
| | [100.0%] |
| A32 | 95.2% |
| | [95.2%] |
| B14 | 47.6% |
| B64 | 42.9% |
| | [90.5%] |
| B52 | 90.5% |
| B5 | 4.8% |
| | [95.2%] |
| Cw4 | 42.9% |
| | [42.9%] |
| Cw8 | 38.1% |
| Bw4 | 81.0% |
| Bw6 | 76.2% |
| Others Found | |
| B13 | 4.8% |
| Cw7 | 4.8% |
| B60 | 4.8% |
| Cw3 | 4.8% |

Table 11. Individual laboratory results for Cell #1553

| Center | Investigator | Low Resolution | | | | | | High Resolution | | | | | | Method | Other Alleles |
|--------|---------------------|----------------|-----|-------|-----|-------|-----|-----------------|--------------|-----------|-----------|------------|-----------|-------------|--|
| | | HLA-A | | HLA-B | | HLA-C | | HLA-A | | HLA-B | | HLA-C | | | |
| 5462 | Arnold , Paula | | | | | | | *11:01 | *24:02 | *40:06 | *51:01 | *08:01 | *14:02 | SSO SBT | |
| 16 | Askar , Medhat Z. | *11 | *24 | *40 | *51 | *08 | *14 | *11:01 | *24:02 | *40:06 | *51:01 | *08:01:01 | *14:02:01 | SSO SBT | A*11:12/11:19/11:27/11:88/11:17/11:119 , A*24:07:01/24:10:01/24:21:01/24:50/24:235/24:260 |
| 5133 | Askar , Medhat | *11 | *24 | *40 | *51 | *08 | *14 | *11:01 | *24:02 | *40:06 | *51:01 | *08:01 | *14:02 | SSO SBT | |
| 8038 | Cao , Kai | *11 | *24 | *40 | *51 | *08 | *14 | *11:01:01 | *24:02 | *40:06 | *51:01:01 | *08:01P | *14:02:01 | SSO SBT | |
| 774 | Cecka , J. Michael | *11 | *24 | *40 | *51 | *08 | *14 | | | | | | | | |
| 8070 | Chang , Uckjin | | | | | | | *11:01 | *24:02 | *40:06 | *51:01 | *08:01 | *14:02 | SBT | |
| 4492 | Charron , Dominiqu | *11 | *24 | *40 | *51 | *08 | *14 | | | | | | | SSP | |
| 798 | Claas , F.H.J. | | | | | | | *11:01 | *24:02 | *40:06:01 | *51:01:01 | *08:01:01 | *14:02:01 | SBT | |
| 3632 | Colombe , Beth W | *11 | *24 | *40 | *51 | *08 | *14 | *11:01 | *24:02 | *40:06 | *51:01 | *08:01 | *14:02 | SSP SSO | |
| 779 | Daniel , Claude | *11 | *24 | *40 | *51 | *08 | *14 | | | *40:04 | | | | SSP SSO | |
| 3766 | Dunckley , Heathe | *11 | *24 | *40 | *51 | *08 | *14 | | | | | | | | |
| 5214 | Eckels/CPMC , | *11 | *24 | *40 | *51 | *08 | *14 | | | | | | | SSO | |
| 762 | Fischer , Gottfried | *11 | *24 | *40 | *51 | *08 | *14 | | | | | | | SSP SSO SBT | |
| 4079 | Fort , Marylise | *11 | *24 | *40 | *51 | *08 | *14 | | | | | | | SSP SSO | |
| 3545 | Goldstein , Steven | *11 | *24 | *40 | *51 | *08 | *14 | *11:01 | *24:02 | *40:06 | *51:01 | *08:01 | *14:02 | SSP SSO SBT | C*08:22/08:99/08:102 |
| 810 | Hamdi , Nuha | | | | | | | *11:01 | *24:02 | *40:06 | *51:01 | *08:01 | *14:02 | SSO | A*11:21N/11:69N/11:86 |
| 771 | Israel , Shoshana | *11 | *24 | *40 | *51 | *08 | *14 | *11:01 | *24:02 | *40:06 | *51:01 | *08:01 | *14:02 | SSP SSO | |
| 725 | Lardy , N.M. | *11 | *24 | *40 | *51 | *08 | *14 | | | | | | | SSP SSO | |
| 745 | Latham , Katy | | | | | | | *11:01 | *24:02 | *40:06 | *51:01 | *08:01:01 | *14:02:01 | SSP SBT | |
| 278 | Lee , Jar-How | *11 | *24 | *40 | *51 | *08 | *14 | *11:141 | *24:02 | *40:06 | *51:01 | *08:01 | *14:02 | SSP SSO | |
| 6649 | Lim , Young Ae | *11 | *24 | *40 | *51 | | | | | | | | | SSP | |
| 731 | Loewenthal , Ron | | | | | | | *11:01 | *24:02 | *40:06 | *51:01 | *08:01 | *14:02:01 | SSP SSO SBT | C*08:22 |
| 759 | Lopez-Cepero , Ma | *11 | *24 | *40 | *51 | *08 | *14 | | | | | | | SSP | |
| 54 | Pancoska , Carol | *11 | *24 | *40 | *51 | *08 | *14 | | | | | | | SSO | |
| 8001 | Rao , Prakash | *11 | *24 | *40 | *51 | *08 | *14 | | | | | | | SSO | |
| 3625 | Rees , Tracey | *11 | *24 | *40 | *51 | *08 | *14 | *11:01 | *24:02 | *40:06 | *51:01 | NT | NT | | |
| 1160 | Rosen-Bronson , S | *11 | *24 | *40 | *51 | *08 | *14 | *11:01 | *24:02 | *40:06 | *51:01 | *08:01 | *14:02 | SSP SSO SBT | |
| 793 | Rubocki , Ronald | *11 | *24 | *40 | *51 | *08 | *14 | | | | | | | SSP | |
| 4251 | Schiller , Jennifer | *11 | *24 | *40 | *51 | *08 | *14 | *11:01 | *24:02 | *40:06 | *51:01 | *08:01:01G | *14:02 | SSO SBT | |
| 3808 | Thornton , Alycia | *11 | *24 | *40 | *51 | *08 | *14 | | | | | | | SSP | |
| 747 | Tiercy , Jean-Marie | *11 | *24 | *40 | *51 | *08 | *14 | *11:01:01 | *24:02:01:01 | *40:06:01 | *51:01:01 | *08:01 | *14:02 | SSP SSO SBT | A*24:02:01:03/24:02:40 |

Table 12. Individual laboratory results for Cell #1554

| Center | Investigator | Low Resolution | | | | | | High Resolution | | | | | | Method | Other Alleles |
|--------|---------------------|----------------|-----|-------|-----|-------|-----|-----------------|-----------|-----------|-----------|-----------|------------|-------------|--|
| | | HLA-A | | HLA-B | | HLA-C | | HLA-A | | HLA-B | | HLA-C | | | |
| 5462 | Arnold , Paula | | | | | | | *02:01 | *02:03 | *13:01 | *40:01 | *03:04 | *07:02 | SSO SBT | |
| 16 | Askar , Medhat Z. | *02 | *02 | *13 | *40 | *03 | *07 | *02:01:01 | *02:03:01 | *13:01 | *40:01 | *03:04 | *07:02 | SSO SBT | A*02:22:01, A*02:171:02, B*13:11/13:13, B*40:48/40:160:02, C*03:32/03:35/03:37:02/03:38:02/03:41:01/03:90/03:92/03:178 , C*07:10/07:27:01/07:39/07:43/07:51/07:133/07:186/07:390 |
| 5133 | Askar , Medhat | *02 | | *13 | *40 | *03 | *07 | *02:01 | *02:03 | *13:01 | *40:01 | *03:04 | *07:02 | SSO SBT | A*02:22:01, A*02:171:02, C*07:349 |
| 8038 | Cao , Kai | *02 | *02 | *13 | *40 | *03 | *07 | *02:01:01 | *02:03:01 | *13:01 | *40:01 | *03:04:01 | *07:02P | SSO SBT | |
| 774 | Cecka , J. Michael | *02 | | *13 | *40 | *03 | *07 | | | | | | | | |
| 8070 | Chang , Uckjin | | | | | | | *02:01 | *02:03 | *13:01 | *40:01 | *03:04 | *07:02 | SBT | |
| 4492 | Charron , Dominiqu | *02 | | *13 | *40 | *03 | *07 | | | | | | | SSP | |
| 798 | Claas , F.H.J. | | | | | | | *02:01:01 | *02:03:01 | *13:01 | *40:01 | *03:04:01 | *07:02:01 | SBT | A*02:22:01, A*02:171:02 |
| 3632 | Colombe , Beth W | *02 | *02 | *13 | *40 | *03 | *07 | *02:01 | *02:03 | *13:01 | *40:01 | *03:04 | *07:02 | SSP SSO | |
| 779 | Daniel , Claude | *02 | *02 | *13 | *40 | *03 | *07 | *02:01 | *02:03 | | *40:01 | *03:04 | *07:02 | SSP SSO | |
| 3766 | Dunckley , Heathe | *02 | *02 | *13 | *40 | *03 | *07 | | | | | | | | |
| 5214 | Eckels/CPMC , | *02 | *02 | *13 | *40 | *03 | *07 | | | | | | | SSO | |
| 762 | Fischer , Gottfried | *02 | | *13 | *40 | *03 | *07 | | | | | | | SSP SSO SBT | |
| 4079 | Fort , Marylise | *02 | | *13 | *40 | *03 | *07 | | | | | | | SSP SSO | |
| 3545 | Goldstein , Steven | *02 | *02 | *13 | *40 | *03 | *07 | *02:01 | *02:03 | *13:01 | *40:01 | *03:04 | *07:02 | SSP SSO SBT | A*02:22, A*02:171, C*07:50/07:349 |
| 810 | Hamdi , Nuha | | | | | | | *02:01 | *02:03 | *13:01 | *40:01 | *03:191 | *07:02 | SSO | |
| 771 | Israel , Shoshana | *02 | *02 | *13 | *40 | *03 | *07 | *02:01 | *02:03 | *13:01 | *40:01 | *03:04 | *07:02 | SSP SSO | |
| 725 | Lardy , N.M. | *02 | | *13 | *40 | *03 | *07 | | | | | | | SSP SSO | |
| 745 | Latham , Katy | | | | | | | *02:01 | *02:03 | *13:01 | *40:01 | *03:04:01 | *07:02:01 | SSP SBT | A*02:22, A*02:171 |
| 278 | Lee , Jar-How | *02 | *02 | *13 | *40 | *03 | *07 | *02:101 | *02:03 | *13:01 | *40:01 | *03:04 | *07:02 | SSP SSO | |
| 6649 | Lim , Young Ae | *02 | | *13 | *40 | | | | | | | | | SSP | |
| 731 | Loewenthal , Ron | | | | | | | *02:01:01 | *02:03:01 | *13:01 | *40:01 | *03:04:01 | *07:02:01 | SSP SSO SBT | C*07:50 |
| 759 | Lopez-Cepero , Ma | *02 | | *13 | *40 | *03 | *07 | | | | | | | SSP | |
| 54 | Pancoska , Carol | *02 | | *13 | *40 | *03 | *07 | | | | | | | SSO | |
| 8001 | Rao , Prakash | *02 | | *13 | *40 | *03 | *07 | | | | | | | SSO | |
| 3625 | Rees , Tracey | *02 | *02 | *13 | *40 | *03 | *07 | NT | NT | *13:01 | *40:01 | *03:04 | *07:02 | | |
| 1160 | Rosen-Bronson , S | *02 | *02 | *13 | *40 | *03 | *07 | *02:01 | *02:03 | *13:01 | *40:01 | *03:04 | *07:02 | SSP SSO SBT | |
| 793 | Rubocki , Ronald | *02 | | *13 | *40 | *03 | *07 | | | | | | | SSP | |
| 4251 | Schiller , Jennifer | *02 | *02 | *13 | *40 | *03 | *07 | *02:01 | *02:03 | *13:01 | *40:01 | *03:04 | *07:02:01G | SSO SBT | |
| 3808 | Thornton , Alycia | *02 | | *13 | *40 | *03 | *07 | | | | | | | SSP | |
| 747 | Tiercy , Jean-Marie | *02 | *02 | *13 | *40 | *03 | *07 | *02:01:01 | *02:03:01 | *13:01:01 | *40:01:02 | *03:04:01 | *07:02:01G | SSP SSO SBT | B*13:01:05 |

Table 13. Individual laboratory results for Cell #1555

| Center | Investigator | Low Resolution | | | | | High Resolution | | | | | | Method | Other Alleles | |
|--------|---------------------|----------------|-----|--------------|-----|-------|-----------------|-----------|---------|-----------|-----------|------------|------------|---------------|---|
| | | HLA-A | | HLA-B | | HLA-C | HLA-A | | HLA-B | | HLA-C | | | | |
| 5462 | Arnold , Paula | | | | | | | *11:01 | *24:02 | *40:01 | *48:01 | *07:02 | | SSO SBT | B*40:210, B*48:22 |
| 16 | Askar , Medhat Z. | *11 | *24 | *40 | *48 | *07 | | *11:01 | *24:02 | *40:01:02 | *48:01:01 | *07:02:01 | | SSO SBT | A*11:12/11:19/11:27/11:88/11:117/11:119:01, A*24:07:01/24:10:01/24:21:01/24:50/24:235/24:260, B*40:80/40:210, B*48:03:01/48:22 |
| 5133 | Askar , Medhat | *11 | *24 | *40 | *48 | *07 | | *11:01 | *24:02 | *40:01 | *48:01 | *07:02 | | SSO SBT | B*40:80, B*48:03, C*07:349 |
| 8038 | Cao , Kai | *11 | *24 | *40 | *48 | *07 | *07 | *11:01:01 | *24:02 | *40:01 | *48:01:01 | *07:02P | *07:02P | SSO SBT | |
| 774 | Cecka , J. Michael | *11 | *24 | *40 | *48 | *07 | | | | | | | | | |
| 8070 | Chang , Uckjin | | | | | | | *11:01 | *24:02 | *40:01 | *48:01 | *07:02 | | SBT | |
| 4492 | Charron , Dominiq | *11 | *24 | *40 | *48 | *07 | | | | | | | | SSP | |
| 798 | Claas , F.H.J. | | | | | | | *11:01 | *24:02 | *40:01 | *48:01:01 | *07:02:01 | | SBT | |
| 3632 | Colombe , Beth W | *11 | *24 | *40 | *48 | *07 | | *11:01 | *24:02 | *40:01 | *48:01 | *07:02 | | SSP SSO | |
| 779 | Daniel , Claude | *11 | *24 | *40 | *48 | *07 | *07 | | | *40:01 | | | | SSP SSO | |
| 3766 | Dunckley , Heathe | *11 | *24 | *40 | *48 | *07 | | | | | | | | | |
| 5214 | Eckels/CPMC , | *11 | *24 | *40 (B60) | *48 | *07 | | | | | | | | SSO | |
| 762 | Fischer , Gottfried | | | | | | | *11:01 | *24:02 | *40:01 | *48:01 | *07:02 | | SSP SSO SBT | B*40:80, B*48:03, C*07:50/07:349 |
| 4079 | Fort , Marylise | *11 | *24 | *40 | *48 | *07 | | *11:01 | *24:02 | *40:01 | *48:01 | *07:02 | | SSP SSO | B*40:80, B*48:03/48:09/48:34, C*07:50 |
| 3545 | Goldstein , Steven | *11 | *24 | *40 | *48 | *07 | | *11:01 | *24:02 | *40:01 | *48:01 | *07:02 | | SSP SSO SBT | B*40:80, B*48:03, C*07:50/07:349 |
| 810 | Hamdi , Nuha | | | | | | | *11:01 | *24:233 | *40:01 | *48:01 | *07:02 | *07:02 | SSO | |
| 771 | Israel , Shoshana | *11 | *24 | *40 | *48 | *07 | *07 | *11:01 | *24:02 | *40:01 | *48:01 | *07:02 | *07:02 | SSP SSO | |
| 725 | Lardy , N.M. | *11 | *24 | *40 | *48 | *07 | | | | | | | | SSP SSO | |
| 745 | Latham , Katy | | | | | | | *11:01 | *24:02 | *40:01 | *48:01:01 | *07:02:01 | | SSP SBT | |
| 278 | Lee , Jar-How | *11 | *24 | *40 | *48 | *07 | *07 | *11:141 | *24:02 | *40:45 | *48:03 | *07:02 | *07:02 | SSP SSO | B*40:114, B*48:01 |
| 6649 | Lim , Young Ae | *11 | *24 | *40 | *48 | | | | | | | | | SSP | |
| 731 | Loewenthal , Ron | | | | | | | *11:01 | *24:02 | *40:01 | *48:01 | *07:02:01 | | SSP SSO SBT | C*07:50 |
| 759 | Lopez-Cepero , Ma | *11 | *24 | *40 (B60) | *48 | *07 | | | | | | | | SSP | |
| 54 | Pancoska , Carol | *11 | *24 | *40 | *48 | *07 | | | | | | | | SSO | |
| 8001 | Rao , Prakash | *11 | *24 | *40 (B60) | *48 | *07 | | | | | | | | SSO | |
| 3625 | Rees , Tracey | *11 | *24 | *40 | *48 | *07 | *07 | *11:01 | *24:02 | *40:01 | *48:01 | *07:02 | *07:02 | | C*07:347N/07:350N/07:347N/07:350N |
| 1160 | Rosen-Bronson , S | *11 | *24 | *40 | *48 | *07 | | *11:01 | *24:02 | *40:01 | *48:01 | *07:02 | | SSP SSO SBT | |
| 793 | Rubocki , Ronald | *11 | *24 | *40 | *48 | *07 | | | | | | | | SSP | |
| 4251 | Schiller , Jennifer | *11 | *24 | *40 | *48 | *07 | *07 | *11:01 | *24:02 | *40:01 | *48:01 | *07:02:01G | *07:02:01G | SSO SBT | |
| 3808 | Thornton , Alycia | *11 | *24 | *40 | *48 | *07 | *07 | | | | | | | SSP | |
| 747 | Tiercy , Jean-Marie | NT | | | | | | | | | | | | | |

Table 14. Individual laboratory results for Cell #1556

| Center | Investigator | Low Resolution | | | | | | High Resolution | | | | | | Method | Other Alleles |
|--------|---------------------|----------------|-----|-----------|-----|-------|-----|-----------------|-----------|-----------|-----------|------------|-----------|-------------|--|
| | | HLA-A | | HLA-B | | HLA-C | | HLA-A | | HLA-B | | HLA-C | | | |
| 5462 | Arnold , Paula | | | | | | | *02:06 | *32:01 | *14:01 | *52:01 | *04:01 | *08:02 | SSO SBT | |
| 16 | Askar , Medhat Z. | *02 | *32 | *14 | *52 | *04 | *08 | *02:06:01 | *32:01:01 | *14:01:01 | *52:01:02 | *04:01 | *08:02 | SSO SBT | A*02:415, A*32:31, C*04:10/04:120 , C*08:05/08:15:01 |
| 5133 | Askar , Medhat | *02 | *32 | *14 | *52 | *04 | *08 | *02:06 | *32:01 | *14:01 | *52:01 | *04:01 | *08:02 | SSO SBT | |
| 8038 | Cao , Kai | *02 | *32 | *14 | *52 | *04 | *08 | *02:06:01 | *32:01:01 | *14:01:01 | *52:01:02 | *04:01:01G | *08:02:01 | SSO SBT | |
| 774 | Cecka , J. Michael | *02 | *32 | *14 | *52 | *04 | *08 | | | | | | | | |
| 8070 | Chang , Uckjin | | | | | | | *02:06 | *32:01 | *14:01 | *52:01 | *04:03 | *08:02 | SBT | |
| 4492 | Charron , Dominique | *02 | *32 | *14 | *52 | *04 | *08 | | | | | | | SSP | |
| 798 | Claas , F.H.J. | | | | | | | *02:06:01 | *32:01:01 | *14:01:01 | *52:01:02 | *04:01:01 | *08:02:01 | SBT | |
| 3632 | Colombe , Beth W. | *02 | *32 | *14 | *52 | *04 | *08 | *02:06 | *32:01 | *14:01 | *52:01 | *04:01 | *08:02 | SSP SSO | |
| 779 | Daniel , Claude | *02 | *32 | *14 | *52 | *04 | *08 | *02:06 | | *14:01 | | | | SSP SSO | |
| 3766 | Dunckley , Heather | *02 | *32 | *14 | *52 | *04 | *08 | | | | | | | | |
| 5214 | Eckels/CPMC , | *02 | *32 | *14 (B64) | *52 | *04 | *08 | | | | | | | SSO | |
| 762 | Fischer , Gottfried | | | | | | | *02:06 | *32:01 | *14:01 | *52:01 | *04:01 | *08:02 | SSP SSO SBT | C*04:09N/04:30/04:82 |
| 4079 | Fort , Marylise | *02 | *32 | *14 | *52 | *04 | *08 | *02:06 | *32:01 | *14:01 | *52:01 | *04:01 | *08:02 | SSP SSO | |
| 3545 | Goldstein , Steven | *02 | *32 | *14 | *52 | *04 | *08 | *02:06 | *32:01 | *14:01 | *52:01 | *04:01 | *08:02 | SSP SSO SBT | C*04:30/04:82 |
| 810 | Hamdi , Nuha | | | | | | | *02:06 | *32:23 | *14:01 | *52:01 | *04:01 | *08:02 | SSO | |
| 771 | Israel , Shoshana | *02 | *32 | *14 | *52 | *04 | *08 | *02:06 | *32:01 | *14:01 | *52:01 | *04:01 | *08:02 | SSP SSO | |
| 725 | Lardy , N.M. | *02 | *32 | *14 | *52 | *04 | *08 | | | | | | | SSP SSO | |
| 745 | Latham , Katy | | | | | | | *02:06:01 | *32:01:01 | *14:01:01 | *52:01:02 | *04:01 | *08:02 | SSP SBT | |
| 278 | Lee , Jar-How | *02 | *32 | *14 | *52 | *04 | *08 | *02:06 | *32:01 | *14:01 | *52:01 | *04:01 | *08:02 | SSP SSO | |
| 6649 | Lim , Young Ae | *02 | *32 | *14 | *52 | | | | | | | | | SSP | |
| 731 | Loewenthal , Ron | *02 | *32 | *14 | *52 | *04 | *08 | | | | | | | SSP SSO SBT | |
| 759 | Lopez-Cepero , May | *02 | *32 | *14 (B64) | *52 | *04 | *08 | | | | | | | SSP | |
| 54 | Pancoska , Carol | *02 | *32 | *14 | *52 | *04 | *08 | | | | | | | SSO | |
| 8001 | Rao , Prakash | *02 | *32 | *14 (B64) | *52 | *04 | *08 | | | | | | | SSO | |
| 3625 | Rees , Tracey | *02 | *32 | *14 | *52 | *04 | *08 | *02:06 | *32:01 | NT | NT | *04:01 | *08:02 | | C*08:52N |
| 1160 | Rosen-Bronson , Sa | *02 | *32 | *14 | *52 | *04 | *08 | *02:06 | *32:01 | *14:01 | *52:01 | *04:01 | *08:02 | SSP SSO SBT | |
| 793 | Rubocki , Ronald | *02 | *32 | *14 | *52 | *04 | *08 | | | | | | | SSP | |
| 4251 | Schiller , Jennifer | *02 | *32 | *14 | *52 | *04 | *08 | *02:06 | *32:01 | *14:01 | *52:01 | *04:01P | *08:02 | SSO SBT | |
| 3808 | Thornton , Alycia | *02 | *32 | *14 | *52 | *04 | *08 | | | | | | | SSP | |
| 747 | Tiercy , Jean-Marie | NT | | | | | | | | | | | | SSP SSO SBT | |

Table 15. Individual laboratory results for Cell #1553-1556 by serology

| Investigator | Days Old | Cell No 1553 (Korean) | | | | | | | | | | Cell No 1554 (Asian) | | | | | | | | | | Cell No 1555 (Filipino) | | | | | | | | | | Cell No 1556 (Hispanic) | | | | | | | | | |
|---------------|----------|-----------------------|-------|-----|-----|-----|-----|-----|-----|--------|--------|----------------------|-----|-----|-----|-----|-----|------|--------|--------|-----|-------------------------|-----|-----|-----|------|--------|--------|----|-----|-----|-------------------------|-----|-----|-----|-----|--------|--|--|--|--|
| | | Viab % | A11 | A24 | B61 | B51 | Cw8 | Bw4 | Bw6 | OTHERS | Viab % | A2 | B13 | B60 | Cw3 | Cw7 | Bw4 | Bw6 | OTHERS | Viab % | A11 | A24 | B60 | B48 | Cw7 | Bw6 | OTHERS | Viab % | A2 | A32 | B14 | B52 | Cw4 | Cw8 | Bw4 | Bw6 | OTHERS | | | | |
| Askar, Medhat | 2 | 95 | + | + | + | + | | + | + | | 95 | + | + | + | + | + | + | | 95 | + | + | + | + | + | + | | 95 | + | + | + | + | + | + | + | | | | | | | |
| Bengochea, Ca | | 90 | + | + | | + | | + | | | 90 | + | | B40 | | | + | | 90 | + | + | + | | + | | | 90 | + | + | | + | | + | + | | | | | | | |
| Cecka, J. Mic | 2 | 95 | + | + | + | | | + | + | | 95 | + | + | + | | + | + | | 95 | + | + | + | + | | + | | 95 | + | + | B64 | + | | + | + | | | | | | | |
| Charron, Domi | | 100 | + | + | B40 | + | | | | | 95 | + | + | B40 | | | | | 100 | + | + | B40 | + | | | | 100 | + | + | + | + | | | | | | | | | | |
| Claas, F.H.J. | 6 | 90 | + | + | + | + | | + | + | | 90 | + | + | + | + | | + | + | 90 | + | + | + | | | + | | 90 | + | + | + | + | + | | + | + | | | | | | |
| Dunckley, Hea | 6 | 95 | + | + | + | + | | | | | 95 | + | + | + | | | | | 95 | + | + | + | + | | | | 95 | + | + | B64 | + | | | | | | | | | | |
| Enczmann, J | 14 | 95 | + | + | + | + | | | | | 95 | + | + | + | | | | A203 | 95 | + | + | + | + | | | | 95 | + | + | B64 | + | | | | | | | | | | |
| Fort, Marylis | 3 | 95 | + | + | + | + | | + | + | | 88 | + | + | + | | | + | + | | | | | | | | | | | | | | | | | | | | | | | |
| Hahn, Amy B. | 7 | 99 | + | + | B40 | + | w3 | + | + | Cw7 | 99 | + | + | + | | + | + | + | 99 | + | + | + | | + | + | B81 | 99 | + | + | + | + | | + | + | + | | | | | | |
| Latham, Katy | 3 | 80 | + | + | + | + | | + | + | | 80 | + | + | + | | | + | + | 80 | + | + | + | + | | + | | 80 | + | + | + | + | | + | + | + | | | | | | |
| Loewenthal, | | 85 | + | + | + | + | + | + | + | | 90 | + | + | + | + | + | + | | 90 | + | + | + | + | + | + | | 90 | + | + | + | + | + | + | + | + | | | | | | |
| McCoy, Heathe | 2 | 98 | + | + | + | + | + | + | + | | 98 | + | + | + | w10 | + | + | + | 98 | + | + | B64 | + | + | + | Cw4 | 98 | + | + | B64 | + | + | + | + | + | | | | | | |
| Pancoska, Car | 2 | 98 | + | + | + | + | | | | | 98 | + | + | + | | | | | 97 | + | + | + | + | | | | 97 | + | + | B64 | + | | | | | | | | | | |
| Permpikul, Ve | 6 | 90 | A11.1 | + | + | + | | + | + | | 90 | + | + | + | | + | + | A203 | 90 | A11.1 | + | + | | + | B40 | 90 | + | + | + | + | | + | + | + | | | | | | | |
| Rees, Tracey | 3 | 80 | + | + | + | + | + | + | + | | 90 | + | + | + | + | + | + | | 80 | + | + | + | + | + | + | | 90 | + | + | B64 | + | + | + | + | + | | | | | | |
| Renac, Virgin | 3 | 100 | + | + | B40 | + | | + | + | | 100 | + | + | + | | + | + | | 100 | + | + | + | + | + | | 100 | + | + | + | + | + | + | + | + | + | | | | | | |
| Rosen-Bronson | | 95 | + | + | + | + | + | + | + | | 95 | + | + | + | + | + | + | | 95 | + | + | + | + | + | + | | 95 | + | + | B64 | + | + | + | + | + | | | | | | |
| Rubocki, Rona | 2 | 98 | + | + | + | + | | + | + | | 98 | + | + | + | + | + | + | | 98 | + | + | + | + | + | + | | 98 | + | + | + | + | + | + | + | + | | | | | | |
| Shai, Isaac | 8 | 88 | + | + | B40 | + | + | + | + | | 90 | + | B14 | B52 | w4 | w5 | + | A32> | 92 | + | + | + | B50 | + | + | B81> | 90 | + | | B13 | B60 | w3 | w7 | + | + | | | | | | |
| Thornton, Aly | | 90 | + | + | + | + | | + | + | | 90 | + | + | + | | + | + | | 90 | + | + | + | + | + | + | | 90 | + | + | B64 | + | + | + | + | + | | | | | | |
| Tiercy, Jean- | 6 | 80 | + | + | + | + | | + | + | | 75 | + | + | + | | + | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Vidan-Jeras, | 6 | 100 | + | + | + | + | + | + | + | | 100 | + | + | + | + | + | + | | 100 | + | + | + | + | + | + | | 100 | + | + | B64 | + | + | + | + | + | | | | | | |
| Watson, Narel | 8 | 80 | + | | B40 | B5 | | + | + | A9 | 80 | + | + | + | | + | + | | 80 | + | | + | + | + | + | A9 | 80 | + | + | + | B5 | | + | + | + | | | | | | |

NEXT MAILING DATE: February 3, 2016



Season's Greetings!



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