

B-cell Line Exchange #260 November 24, 2015

The results for B-cell Line Exchange #260 are summarized in Tables 1 - 2 and individual laboratory results reported for each sample are listed in Tables 3 - 8. We would like to express our appreciation to **Helen Bass, Jane Row-**

lands, and Tracy Rees, Welsh Blood Service, Pontyclun, for sharing the valuable reference cells studied in our exchanges.

Ter-519. The reported type for this sample from a Chinese donor was DRB1*07:01-DRB1*08:09-DRB4*01:03-DQA1*02:01-DQA1*04:01-DQB1*02:02-DQB1*04:02-DPA1*02:02-DPB1*05:01-DPB1*19:01-A*02:03-A*33:44-B*38:02-B*44:03-C*07:02-C*07:06. Data from family studies revealed the haplotypes in this study to be DRB1*07:01-DQA1*02:01-DQB1*02:02-DPB1*19:01-A*33:44-B*44:03-C*07:06 and DRB1*08:09-DQA1*04:01-DQB1*04:02-DPB1*05:01-A*02:03-B*38:02-C*07:02. The association of DRB1*08:09-DQA1*04:01-DQB1*04:02 in this cell was also observed in, JB44585, the reference cell for DRB1*08:09 (1).

This cell was previously typed as Ter 416 (2008), as astutely noted by Kvam and Tiercy. In this present retyping, DRB1*08:09 was assigned by 95% of labs reporting at high resolution, an increase from a detection level of 87% in 2008. The second DRB1 type was reported as DRB1*07:01 (100%), with 6 labs assigning DRB1*07:01:01. This remains the only DRB1*08:09 cell typed in the exchange. Hartzman and Hurley noted the presence of a possible new DPA1 allele, observing that the new allele differs from DPA1*02:02:01 by 3 nucleotide changes in exon 3 "at nt 364 where G->A (cd91 GTG->ATG) resulting in a coding change, 91V->M, at nt 474 where A->G (cd127 CCA->CCG) resulting in a silent mutation, 127P->P, and at nt 555 where A->G (cd154 GTA->GTG), resulting in a silent mutation, 154V does not change."

This cell was also previously typed for class I as extract #561 (2012). The assignment of A*33:44 (71%) in this current study was similar to its assignment in 2012, in which 74% of the labs assigned A*33:44. A*33:03 was reported by 4 labs and 2 other labs assigned A*33:01. A*33:44 is most simi-

lar to A*33:03:01, with the only difference observed in exon 4, in which a single nucleotide substitution at codon 265 (GGT → GAT) results in an amino acid change from glycine to aspartic acid (2). A*02:03 (100%) was reported as the second A-locus type, with 5 labs assigning A*02:03:01.

Ter-520. The reported type for this sample from a Caucasian donor is DRB1*01:01-DRB1*07:01-DRB4*01:03:01:02N-DQA1*01:01-DQA1*02:01-DQB1*03:03-DQB1*05:01-DPA1*01:03-DPB1*04:01-A*01:01:38L-A*02:01-B*15:17-B*57:01-C*06:02-C*07:01. One likely association in this cell is DRB1*07:01-B4*01:03:01:02N-DQA1*02:01-DQB1*03:03, observed in Ter 451 and Ter 448 (same as Ter 344, Ter 282, and Ter 218). The other likely association is DRB1*01:01-DQA1*01:01-DQB1*05:01, observed in a number of previous exchange cells, most recently Ter 497 (same as Ter 387) and Ter 492 (same as Ter 342 and Ter 264).

The presence of a DRB4 null allele was detected in this sample, with labs assigning DRB4*01:03:01:02N (42%) and DRB4*01:03N (54%). DRB1*01:01 and DRB1*07:01 were reported in complete consensus. DRB1*01:01:01 was assigned by 7 labs and 6 labs assigned DRB1*07:01:01.

This cell is the reference cell for A*01:01:38L, known as 37935. It was previously typed for class I as extract 445 (2009) and extract 574 (2013). In this present retyping, A*01:01:38L was assigned by 35% of labs reporting at high resolution. A*01:01 was reported by 60%, and 1 lab assigned A*01:01P. A*02:01 (100%) was reported as the second A-locus type, with 3 labs reporting A*02:01:01:01. B*15:17 (96%) and B*57:01 (100%) were the B-locus types. B*15:17:01:01 was reported by 3 labs and 4 labs reported B*57:01:01.

References:

1. Kashiwase, K, Tokunaga, K, Lin, L, Sugahara, et al. A new HLA-DR8 subtype showing unusual serological reaction and the confirmatory sequence of DRB1*0809. *Tissue Antigens* 1995;46: 340–342.
2. Ye, X, Ding H, Huang, YF, et al. HLA-A*33:44: a new allele identified by sequence-based typing in a Chinese blood donor. *Tissue Antigens* 2013;82:134-153.

Table 1: Summary of the 260th B-cell Line Exchange

Ter-519

| | | 37 labs High; 38 labs low-DRB1 | | 21 labs High; 28 labs Low-DRB4 | | 23 labs High; 24 labs Low-DQA1 | | 33 High Labs; 37 labs Low-DQB1 | | 13 High Labs; 17 labs Low-DPA1 | | 29 High Labs; 16 labs Low-DPB1 | | |
|------------------------------|-------------------------------------|---------------------------------------|------|---------------------------------------|---------|---------------------------------------|-------------------------------------|---------------------------------------|---------|---------------------------------------|---------|---------------------------------------|-------------------------------------|--|
| | | %(n) | | %(n) | | %(n) | | %(n) | | %(n) | | %(n) | | |
| DNA Typing - class II | DRB1*07:01:01:01 | 3 (1) | | DRB4*01:03:01:01 | 5 (1) | DQA1*02:01 | 100(23) | DQB1*02:02:01 | 15(5) | DPA1*02:02:02 | 8 (1) | DPB1*05:01:01G | 21(6) | |
| | DRB1*07:01:01 | 13(5) | | DRB4*01:03 | 85(18) | DQA1*02 | 100(24) | DQB1*02:02 | 82(27) | DPA1*02:02 | 84(11) | DPB1*05:01:01 | 14(4) | |
| | DRB1*07:01:01G | 3 (1) | | DRB4*01:01/03+ | 5 (1) | | | <i>DQB1*02:12</i> | 3 (1) | <i>DPA1*02:05</i> | 8 (1) | DPB1*05:01 | 65(19) | |
| | DRB1*07:01 | 81(30) | | <i>DRB4*01:01</i> | 5 (1) | | | DQB1*02 | 100(37) | DPA1*02 | 100(17) | DPB1*05(*05:01P) | 12(2) | |
| | DRB1*07 | 100(38) | | DRB4*01 | 71(20) | | | | | | | DPB1*05 | 88(14) | |
| | | | | DRB4*PRESENT | 29(8) | | | | | | | | | |
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| Serology - class II | 2 LABS - DR | | %(n) | 3 LABS - DRX | | %(n) | 2 LABS - DQ | | %(n) | 29 High Labs; 17 labs Low-DPB1 | | %(n) | | |
| | DR7 | 100(2) | | DR53 | 100(3) | | DQ2 | 100(2) | | DPB1*19:01:01G | 7 (2) | | | |
| | | | | | | | | | | DPB1*19:01 | 93(27) | | | |
| | | | | | | | | | | DPB1*19(*19:01P) | 6 (1) | | | |
| | | | | | | | | | | DPB1*19 | 94(16) | | | |
| | DR8 | 100(2) | | | | | DQ4 | 100(2) | | | | | | |
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| DNA Typing - class I | 21 labs High; 27 labs low- A | | %(n) | 21 labs High; 26 labs low- B | | %(n) | 20 labs High; 27 labs low- C | | %(n) | 21 labs High; 27 labs low- A | | %(n) | 20 labs High; 28 labs low- C | |
| | A*02:03:01 | 24(5) | | B*38:02:01 | 24(5) | C*07:02:01:01 | 10(2) | A*33:44 | 71(15) | B*44:03:02 | 24(5) | C*07:01:01G | 10(2) | |
| | A*02:03 | 76(16) | | B*38:02 | 71(15) | C*07:02:01 | 10(2) | A*33:03 | 19(4) | B*44:03P | 5 (1) | C*07:06 | 65(13) | |
| | A*02 | 100(27) | | <i>B*38:44</i> | 5 (1) | C*07:02:01G | 10(2) | A*33:01 | 10(2) | B*44:03 | 71(15) | C*07:01/06+ | 10(2) | |
| | | | | B*38 | 100(26) | C*07:02 | 70(14) | A*33 | 100(27) | B*44 | 100(26) | C*07:01 | 10(2) | |
| | | | | | | C*07 | 100(27) | | | | | <i>C*07:02</i> | 5 (1) | |
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Table 2: Summary of the 260th B-cell Line Exchange

Ter-520

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| DNA Typing - class II | 37 labs High; 37 labs low-DRB1 | %(n) |
| | DRB1*01:01:01 | 19(7) |
| | DRB1*01:01:01G | 3 (1) |
| | DRB1*01:01 | 78(29) |
| | DRB1*01 | 100(37) |
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| 26 labs High; 25 labs Low-DRB4 | %(n) |
| DRB4*01:03:01:02N | 42(11) |
| DRB4*01:03N | 54(14) |
| DRB4*01:03 | 4 (1) |
| DRB4*01N | 48(12) |
| DRB4*01 | 24(6) |
| DRB4*NULL | 8 (2) |
| DRB4*PRESENT | 20(5) |
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|---------------------------------------|---------|
| 20 labs High; 24 labs Low-DQA1 | %(n) |
| DQA1*01:01:01 | 5 (1) |
| DQA1*01:01:01G | 5 (1) |
| DQA1*01:01 | 85(17) |
| DQA1*05:05 | 5 (1) |
| DQA1*01 | 100(24) |
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| 34 High Labs; 36 labs Low-DQB1 | %(n) |
| DQB1*03:03:02:01 | 9 (3) |
| DQB1*03:03:02 | 9 (3) |
| DQB1*03:03 | 79(27) |
| DQB1*03:01 | 3 (1) |
| DQB1*03(DQ9) | 8 (3) |
| DQB1*03 | 92(33) |
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| 13 High Labs; 17 labs Low-DPA1 | %(n) |
| DPA1*01:03:01 | 8 (1) |
| DPA1*01:03 | 92(12) |
| DPA1*01 | 100(17) |
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| 29 High Labs; 15 labs Low-DPB1 | %(n) |
| DPB1*04:01:01:01 | 3 (1) |
| DPB1*04:01:01 | 10(3) |
| DPB1*04:01:01G | 10(3) |
| DPB1*04:01 | 76(22) |
| DPB1*04(DP401) | 47(7) |
| DPB1*04 | 53(8) |
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| Serology - class II | 3 LABS- DR | %(n) |
| | DR1 | 100(3) |
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| | DR7 | 100(3) |
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| 3 LABS - DQ | %(n) |
| DQ1 | 100(3) |
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| DQ9 | 67(2) |
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| DNA Typing - class I | 20 labs High; 27 labs low- A | %(n) |
| | A*01:01:38L | 35(7) |
| | A*01:01P | 5 (1) |
| | A*01:01 | 60(12) |
| | A*01 | 100(27) |
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| 24 labs High; 27 labs low- B | %(n) |
| B*15:17:01:01 | 13(3) |
| B*15:17:01 | 4 (1) |
| B*15:17 | 79(19) |
| B*57:22 | 4 (1) |
| B*15(B63) | 7(2) |
| B*15 | 93(25) |
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| 20 labs High; 27 labs low- C | %(n) |
| C*06:02:01:01 | 10(2) |
| C*06:02:01 | 5 (1) |
| C*06:02:01G | 5 (1) |
| C*06:02P | 5 (1) |
| C*06:02 | 75(15) |
| C*06 | 96(26) |
| C*02 | 4 (1) |
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Table 3a: Individual laboratory results for B-cell #519-Class II

| | | Low resolution | | | | | | | | | | | | |
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| Center | Investigator | DRB1 | | DRB4 | DQA1 | | DQB1 | | DPA1 | | DPB1 | | METHOD | Other Alleles |
| 5488 | Adams , Sharon | | | 4*01 | | | | | | | | | SSP SSO SBT | |
| 4691 | Al Ajlan , Abdulaziz | | | | | | *02 | *04 | | | | | SSO | |
| 5133 | Askar , Medhat | *07 | *08 | 4*01 | *02 | *04 | *02 | *04 | *02 | | | *19 | SSO SBT | |
| 774 | Cecka , J. Michael | *07 | *08 | 4*01 | *02 | *04 | *02 | *04 | *02 | | *05 | *19 | SSP SSO | |
| 3224 | Chen , Dong-Feng | *07 | *08 | 4*01 | *02 | *04 | *02 | *04 | *02 | | *05 | *19 | SSO SBT OTHER | |
| 3632 | Colombe , Beth W. | *07 | *08 | 4*01 | NT | NT | *02 | *04 | *02 | | NT | NT | SSP SSO | |
| 5130 | Costeas , Paul A. | *07 | *08 | | | | *02 | *04 | | | | | SSP SSO | |
| 779 | Daniel , Claude | *07 | *08 | 4*01 | *02 | *04 | *02 | *04 | *02 | | *05 | *19 | SSP SSO | |
| 5219 | Daniel , Dolly | *07 | *08 | | | | *02 | *04 | | | | | | |
| 1108 | DeConinck , Martha | *07 | *08 | 4*01 | *02 | *04 | *02 | *04 | *02 | *02 | | | SSO | |
| 3766 | Dunckley , Heather | *07 | *08 | 4*01 | *02 | *04 | *02 | *04 | *02 | | *05 | *19 | SSP SSO OTHER | |
| 5214 | Eckels/CPMC , | *07 | *08 | 4*01 | *02 | *04 | *02 | *04 | *02 | | *05 (*05:01P) | *19 | SSO | |
| 4079 | Fort , Marylise | *07 | *08 | | | | *02 | *04 | | | | | SSP SSO | |
| 792 | Gandhi , Manish | *07 | *08 | 4*01 | *02 | *04 | *02 | *04 | *02 | *02 | *05 | *19 | SSP SSO SBT | |
| 8087 | Guerra , Q.F.B. Elb | *07 | *08 | | *02 | *04 | *02 | *04 | | | | | | |
| 910 | Hahn , Amy B. | *07 | *08 | 4*PRESENT | | | *02 | *04 | | | | | | |
| 1694 | Hesse , Nicole | *07 | *08 | 4*PRESENT | | | *02 | *04 | | | | | SSP | |
| 8043 | Hod , Reut | *07 | *08 | | *02 | *04 | *02 | *04 | | | | | SSP SSO | |
| 771 | Israel , Shoshana | *07 | *08 | | | | *02 | *04 | | | | | SSP SSO | |
| 794 | Jaatinen , Taina | *07 | *08 | 4*01 | *02 | *04 | *02 | *04 | *02 | *02 | *05 | *19 | SSP SSO SBT OTHER | |
| 2847 | Kihara , Masaaki | *07 | *08 | | | | | | | | | | SSO | |
| 87 | Land , Geoffrey A. | *07 | *08 | 4*01 | *02 | *04 | *02 | *04 | *02 | *02 | *05 | *19 | SSP | |
| 725 | Lardy , N.M. | *07 | *08 | 4*PRESENT | *02 | *04 | *02 | *04 | | | | | SSP SSO | |
| 278 | Lee , Jar-How | *07 | *08 | 4*01 | *02 | *04 | *02 | *04 | *02 | *02 | *05 | *19 | | |
| 6649 | Lim , Young Ae | *07 | *08 | 4*PRESENT | | | | | | | | | SSP | |
| 759 | Lopez-Cepero , May | *07 | *08 | 4*01 | *02 | *04 | *02 | *04 | *02 | | *05 (*05:01P) | *19(*19:01P) | SSP | |
| 206 | McAlack-Hanau , | *07 | *08 | 4*01 | *02 | *06 | *02 | *04 | *02 | | *05 | *19 | SSO | |
| 8042 | Muncher , Liora | *07 | *08 | 4*01 | NT | NT | *02 | *04 | NT | NT | NT | NT | SSP SSO | |
| 54 | Pancoska , Carol | *07 | *08 | 4*01 | *02 | *04 | *02 | *04 | *02 | | *05 | *19 | SSO | |
| 2400 | Phelan , Donna L. | *07 | *08 | 4*PRESENT | *02 | *04 | *02 | *04 | | | *05 | *19 | SSP SSO SBT | |
| 8001 | Rao , Prakash | | | | *02 | *04 | | | | | | | SSP SSO | |
| 3519 | Renac , Virginie | *07 | *08 | | | | *02 | *04 | | | *05 | *19 | SSP SBT | |
| 1160 | Rosen-Bronson , Sa | *07 | *08 | 4*01 | *02 | *04 | *02 | *04 | *02 | | | | SSO SBT | |
| 793 | Rubocki , Ronald | *07 | *08 | 4*PRESENT | *02 | *04 | *02 | *04 | | | | | SSP | |
| 4251 | Schiller , Jennifer | *07 | *08 | 4*01 | *02 | *04 | *02 | *04 | *02 | *02 | *05 | *19 | SSO SBT | |
| 8068 | Shanmugam , Hem | *07 | *08 | | *02 | *04 | *02 | *04 | | | | | SSO | |
| 8029 | Tarigopula , Anil | *07 | *08 | | | | *02 | *04 | | | | | SSO | |
| 747 | Tiercy , Jean-Marie | *07 | *08 | 4*01 | *02 | *04 | *02 | *04 | | | *05 | *19 | SSP SSO SBT | |
| 5451 | Tilanus , Marcel G. | *07 | *08 | 4*PRESENT | | | *02 | *04 | | | | | SSP SBT | |
| 5642 | Varnavidou-Nicolaïd | *07 | *08 | 4*PRESENT | | | *02 | *04 | | | | | SSP | |
| 8052 | Yanina Marcos , Cir | *07 | *08 | | | | *02 | *04 | | | | | SSO | |

| Table 3b: Individual laboratory results for B-cell #519-Class II | | | | | | | | | |
|--|--------------|-----|-----|------|--|-----|-----|------|------|
| Serology | | | | | | | | | |
| CTR | DIRNAME | DR7 | DR8 | DR53 | | DQ2 | DQ4 | OTH1 | OTH2 |
| 4492 | Charron,D. | | | + | | | | | |
| 910 | Hahn,Amy B. | + | + | + | | + | + | | |
| 4908 | Kvam,Vonnett | + | + | + | | + | + | | |

Table 4: Individual laboratory results for B-cell #519-Class II

| Center | Investigator | Intermediate/High resolution | | | | | | | | | | | METHOD | Other Alleles | |
|--------|----------------------|------------------------------|-----------|---------------|---------|--------|-----------|-----------|-----------|-----------|--------|------------|--------|---------------|--|
| | | DRB1 | | DRB4 | | DQA1 | | DQB1 | | DPA1 | | DPB1 | | | |
| 5488 | Adams , Sharon | *07:01:01 | *08:09 | | | *02:01 | *04:01 | *02:02:01 | *04:02:01 | | | *05:01:01 | *19:01 | SSP SSO SBT | |
| 4691 | Al Ajlan , Abdulaziz | *07:01 | *08:09 | | | | | | | | | | | SSO | |
| 5462 | Arnold , Paula | *07:01 | *08:09 | 4*01:03 | NP | NT | NT | *02:02 | *04:02 | NT | NT | *05:01 | *19:01 | SSP SSO SBT | |
| 5133 | Askar , Medhat | *07:01 | *08:09 | | | *02:01 | *04:01 | | | *02:02 | | *05:01:01G | *19:01 | SSO SBT | DRB1*07:31/07:33/ 07:34/07:35, DPB1*223:01/226:0 1/300:01/317:01/39 5:01 |
| 774 | Cecka , J. Michael | *07:01 | *08:09 | 4*01:03 | | *02:01 | *04:01 | *02:02 | *04:02 | *02:02 | | *05:01 | *19:01 | SSP SSO | DRB1*07:31/07:33/ 07:34, DQB1*02:12, DQB1*04:13/04:23 |
| 8070 | Chang , Uckjin | *07:01 | *08:09 | | | | | | | | | | | SBT | |
| 9916 | Charlton , Ronald K | *07:01:01 | *08:09 | 4*01:03 | | | | *02:02:01 | *04:02:01 | | | *05:01:01 | *19:01 | SSP SBT | DRB4*01:09 |
| 4492 | Charron , Dominique | *07:01:01 | *08:09 | 4*01:03 | | *02:01 | *04:01 | *02:02:01 | *04:02:01 | *02:02 | | *05:01:01 | *19:01 | SSP SSO SBT | |
| 3224 | Chen , Dong-Feng | *07:01 | *08:09 | 4*01:03 | | *02:01 | *04:01 | *02:02 | *04:02 | *02:02 | | *05:01 | *19:01 | SSO SBT | |
| 8021 | Clark , Brendan | *07:01 | *08:09 | 4*01:03 | 4*01:01 | *02:01 | *04:01 | *02:02 | *04:02 | | | *05:01 | *19:01 | OTHER | |
| 3632 | Colombe , Beth W. | *07:01 | *08:09 | 4*01:03 | | | | *02:02 | *04:02 | *02:02 | | | | SSP SSO | |
| 5130 | Costeas , Paul A. | *07:01 | *08:02/09 | 4*01:03 | | *02:01 | *04:01 | *02:02 | *04:02 | | | | | SSP SSO | |
| 779 | Daniel , Claude | | *08:09 | | | *02:01 | *04:01 | | | *02:02 | | *05:01:01G | *19:01 | SSP SSO | |
| 3766 | Dunckley , Heather | | | | | | | | | | | *05:01 | *19:01 | SSP SSO | |
| 3135 | Enczmann , J | *07:01 | *08:09 | 4*01:03 | | | | *02:02 | *04:02 | | | *05:01:01G | *19:01 | OTHER | DPB1*135:01 |
| 762 | Fischer , Gottfried | *07:01 | *08:09 | 4*01:03 | | *02:01 | *04:01 | *02:02 | *04:02 | | | *05:01 | *19:01 | SSP SSO SBT | DRB1*07:34, DRB1*08:21, DQB1*04:13, DPB1*135:01 |
| 4079 | Fort , Marylise | *07:01 | *08:09 | | | | | *02:02 | *04:02 | | | *05:01 | *19:01 | SSP SSO | DPB1*135:01/223:0 1/226:01/300:01/31 7:01 |
| 792 | Gandhi , Manish | *07:01 | *08:09 | | | *02:01 | *04:01 | *02:02 | *04:02 | | | *05:01 | *19:01 | SSP SSO SBT | |
| 810 | Hamdi , Nuha | *07:01 | *08:09 | 4*01:01 | 4*01:01 | *02:01 | *04:01 | *02:02 | *04:02 | | | | | SSO | |
| 8043 | Hod , Reut | *07:01 | *08:09 | | | *02:01 | *04:01 | *02:02 | *04:02 | *02:02 | | *05:01 | *19:01 | SSP SSO | |
| 2344 | Hurley , Hartzman& | *07:01:01:01 | *08:09 | 4*01:03:01:01 | | *02:01 | *04:01:01 | *02:02:01 | *04:02:01 | *02:02:02 | *02:02 | *05:01:01 | *19:01 | OTHER | DRB1*07:01:01:02, DPB1*135:01, DRB4*01:03:01:03 |
| 771 | Israel , Shoshana | *07:01 | *08:09 | | | | | *02:02 | *04:02 | | | | | SSP SSO | |
| 794 | Jaatinen , Taina | *07:01 | *08:09 | 4*01:03 | | *02:01 | *04:01 | *02:02 | *04:02 | *02:02 | *02:02 | *05:01 | *19:01 | SSP SSO SBT | |
| 4337 | Kim , Tai-Gyu | *07:01 | *08:09 | | | | | *02:02 | *04:02 | | | *05:01 | *19:01 | OTHER | DPB1*135:01 |
| 278 | Lee , Jar-How | *07:01 | *08:09 | 4*01:03 | NT | *02:01 | *04:01 | *02:02 | *04:02 | *02:02 | *02:02 | *05:01 | *19:01 | SBT | |
| 274 | Lo , Raymundo W. | *07:01 | *08:04 | | | *02:01 | *04:01 | *02:12 | *04:11 | *02:05 | *02:05 | *05:01 | *19:01 | OTHER | |
| 731 | Loewenthal , Ron | *07:01:01 | *08:09 | | | | | *02:02 | *04:02:01 | | | | | SSP SSO SBT | |

| Table 4: Individual laboratory results for B-cell #519-Class II | | | | | | | | | | | | | | | |
|---|----------------------|------------------------------|--------|-------------|---------|--------|--------|-----------|-----------|--------|----|------------|------------|---------------|--|
| Center | Investigator | Intermediate/High resolution | | | | | | | | | | | METHOD | Other Alleles | |
| | | DRB1 | | DRB4 | | DQA1 | | DQB1 | | DPA1 | | DPB1 | | | |
| 8042 | Muncher , Liora | *07:01 | *08:09 | 4*01:03 | 4*01:03 | NT | NT | *02:02 | *04:02 | NT | NT | NT | NT | SSP SSO | |
| 3966 | Permpikul , Vejbaes | *07:01 | *08:09 | 4*01:03 | | | | *02:02 | *04:02 | | | | | SSP | |
| 2400 | Phelan , Donna L. | *07:01 | *08:09 | | | *02:01 | *04:01 | *02:02 | *04:02 | | | *05:01:01G | *19:01:01G | SSP SSO SBT | |
| 8001 | Rao , Prakash | *07:01 | *08:09 | 4*01:03 | NP | | | *02:02 | *04:02 | | | *05:01 | *19:01 | SSP SSO | |
| 3753 | Reed , Elaine F. | *07:01 | *08:09 | 4*01:01/03+ | | *02:01 | *04:01 | *02:02 | *04:02 | *02:02 | | *05:01 | *19:01 | SSO SBT | DQB1*02:01, DPB1*135:01/223:0 1/226:01/300:01/31 7:01 |
| 3519 | Renac , Virginie | *07:01 | *08:09 | 4*01:03 | | *02:01 | *04:01 | *02:02 | *04:02 | | | *05:01 | *19:01 | SSP SBT | DRB1*07:34, DQB1*02:01:15, DQB1*04:02:03 |
| 1160 | Rosen-Bronson , Sa | *07:01 | *08:09 | | | *02:01 | *04:01 | *02:02 | *04:02 | *02:02 | | *05:01 | *19:01 | SSO SBT | |
| 793 | Rubocki , Ronald | | | | | | | | | | | *05:01:01G | *19:01 | SSP | |
| 4251 | Schiller , Jennifer | *07:01:01G | *08:09 | | | | | *02:02 | *04:02 | | | *05:01:01G | *19:01:01G | SSO SBT | |
| 747 | Tiercy , Jean-Marie | *07:01 | *08:09 | 4*01:03 | | *02:01 | *04:01 | *02:02:01 | *04:02:01 | | | *05:01 | *19:01 | SSP SSO SBT | |
| 5451 | Tilanus , Marcel G.J | *07:01:01 | *08:09 | | | | | | | | | | | SSP SBT | |
| 5642 | Varnavidou-Nicolaic | *07:01 | *08:09 | | | | | *02:02 | *04:02 | | | | | SSP | |
| 8052 | Yanina Marcos , Cir | | *08:09 | | | *02:01 | *04:01 | | | | | | | | |
| 3511 | Zeevi , Adriana | *07:01 | *08:09 | 4*01:03 | | *02:01 | *04:01 | *02:02 | *04:02 | | | *05:01 | *19:01 | SSP SSO | |

Table 5: Individual laboratory results for B-cell #519-Class I

| Center | Investigator | Low Resolution | | | | | | Intermediate/High resolution | | | | | | METHOD | Other Alleles |
|--------|----------------------|----------------|-----|-------|-----|-------|-----|------------------------------|--------|-----------|-----------|--------------|------------|----------------------|----------------------|
| | | HLA-A | | HLA-B | | HLA-C | | HLA-A | | HLA-B | | HLA-C | | | |
| 5488 | Adams , Sharon | | | | | *07 | *07 | *02:03:01 | *33:44 | *38:02:01 | *44:03:02 | | | SSP SSO SBT | |
| 4691 | Al Ajlan , Abdulaziz | *02 | *33 | *38 | *44 | *07 | *07 | | | | | | | SSO | |
| 5462 | Arnold , Paula | | | | | | | *02:03 | *33:44 | *38:02 | *44:03 | *07:02 | *07:06 | SSP SSO SBT | |
| 5133 | Askar, Medhat | *02 | *33 | *38 | *44 | *07 | | *02:03:01 | *33:44 | *38:02:01 | *44:03:02 | *07:02:01 | *07:06 | SSO SBT | |
| 774 | Cecka , J. Michael | *02 | *33 | *38 | *44 | *07 | | | | | | | | SSP SSO | |
| 9916 | Charlton , Ronald K | | | | | | | *02:03:01 | *33:44 | *38:02:01 | *44:03:02 | *07:02:01 | *07:06 | SSP SBT | |
| 4492 | Charron , Dominique | | | | | | | *02:03:01 | *33:44 | *38:02:01 | *44:03:02 | *07:02:01:01 | *07:06 | SSP SSO SBT | |
| 3224 | Chen , Dong-Feng | *02 | *33 | *38 | *44 | *07 | *07 | *02:03 | *33:44 | *38:02 | *44:03 | *07:02 | *07:06 | SSO SBT OTHER | |
| 8021 | Clark , Brendan | | | | | | | *02:03 | *33:01 | *38:02 | *44:03 | *07:02 | *07:01 | SSP SSO | |
| 5130 | Costeas , Paul A. | *02 | *33 | *38 | *44 | *07 | | *02:03 | *33:03 | *38:02 | *44:03 | *07:02 | *07:06 | SSP SSO | |
| 779 | Daniel , Claude | *02 | *33 | *38 | *44 | *07 | *07 | | | | | | | SSP SSO | |
| 5219 | Daniel , Dolly | *02 | *33 | *38 | *44 | *07 | *07 | | | | | | | | |
| 1108 | DeConinck , Martha | *02 | *33 | *38 | *44 | *07 | *07 | | | | | | | SSO | |
| 3766 | Dunckley , Heather | *02 | *33 | *38 | *44 | *07 | *07 | | | | | | | SSP SSO OTHER | |
| 5214 | Eckels/CPMC , | *02 | *33 | *38 | *44 | *07 | | | | | | | | SSO | |
| 3135 | Enczmann , J | | | | | | | *02:03 | *33:03 | *38:02 | *44:03 | *07:02 | *07:01/06+ | SSP SSO SBT | |
| 792 | Gandhi , Manish | *02 | *33 | *38 | *44 | *07 | *07 | *02:03 | *33:44 | *38:02 | *44:03P | *07:02 | *07:06 | SSP SSO SBT | |
| 8087 | Guerra , Q.F.B. Elb | *02 | *33 | | | *02 | *04 | | | | | | | | |
| 810 | Hamdi , Nuha | | | | | | | *02:03 | *33:03 | *38:02 | *44:03 | *07:02 | *07:02 | SSO | |
| 1694 | Hesse , Nicole | *02 | *33 | *38 | *44 | *07 | | | | | | | | SSP | |
| 2344 | Hurley , Hartzman& | | | | | | | *02:03:01 | *33:44 | *38:02:01 | *44:03:02 | *07:02:01:01 | *07:06 | OTHER | |
| 794 | Jaatinen , Taina | *02 | *33 | *38 | *44 | *07 | *07 | *02:03 | *33:44 | *38:02 | *44:03 | *07:02 | *07:06 | SSP SSO SBT OTHER | |
| 2847 | Kihara , Masaaki | *02 | *33 | *38 | *44 | *07 | | | | | | | | SSO | |
| 4337 | Kim , Tai-Gyu | | | | | | | *02:03 | *33:44 | *38:02 | *44:03 | *07:02 | *07:06 | SBT | |
| 87 | Land , Geoffrey A. | *02 | *33 | *38 | *44 | *07 | *07 | | | | | | | SSP | |
| 725 | Lardy , N.M. | | | | | | | | | | | | | SSP SSO | |
| 278 | Lee , Jar-How | *02 | *33 | *38 | *44 | *07 | *07 | *02:03 | *33:44 | *38:02 | *44:03 | *07:02 | *07:06 | | |
| 6649 | Lim , Young Ae | | | | | | | | | | | | | SSP | |
| 274 | Lo , Raymundo W. | | | | | | | *02:03 | *33:01 | *38:44 | *44:03 | *07:02 | *07:01 | OTHER | |
| 206 | McAlack-Hanau , | *02 | *33 | *38 | *44 | *07 | *07 | | | | | | | SSO | |
| 8042 | Muncher , Liora | *02 | *33 | *38 | *44 | *07 | *07 | *02:03 | *33:03 | *38:02 | *44:03 | *07:02 | *07:06 | SSP SSO | |
| 54 | Pancoska , Carol | *02 | *33 | *38 | *44 | *07 | | | | | | | | SSO | |
| 3966 | Permpikul , Vejbaes | *02 | *33 | *38 | *44 | *07 | *07 | | | | | | | SSP | |
| 2400 | Phelan , Donna L. | *02 | *33 | *38 | *44 | *07 | *07 | *02:03 | *33:44 | *38:02 | *44:03 | *07:02:01G | *07:01:01G | SSP SSO SBT | |
| 3753 | Reed , Elaine F. | | | | | | | *02:03 | *33:44 | *38:02 | *44:03 | *07:02 | *07:01/06+ | SSO SBT | C*07:27/07:50/07:349 |
| 3519 | Renac , Virginie | *02 | *33 | *38 | *44 | *07 | | *02:03 | *33:44 | *38:02 | *44:03 | *07:02 | *07:06 | SSP SBT | |
| 4251 | Schiller , Jennifer | *02 | *33 | *38 | *44 | *07 | *07 | *02:03 | *33:44 | *38:02 | *44:03 | *07:02:01G | *07:01:01G | SSO SBT | |
| 8068 | Shanmugam , Hem | *02 | *33 | *38 | *44 | *07 | *07 | | | | | | | SSO | |
| 8029 | Tarigopula , Anil | *02 | *33 | *38 | *44 | *07 | *07 | | | | | | | SSO | |
| 8052 | Yanina Marcos , Cir | *02 | *33 | *38 | *44 | *07 | *07 | | | | | | | SSO | |

| Table 6a: Individual laboratory results for B-cell #520-Class II | | | | | | | | | | | | | | |
|--|---------------------|----------------|-----|-----------|------|-----|----------|-----|------|-----|------------|-----------|---------------|-------------------|
| Center | Investigator | Low resolution | | | | | | | | | | METHOD | Other Alleles | |
| | | DRB1 | | DRB4 | DQA1 | | DQB1 | | DPA1 | | DPB1 | | | |
| 4691 | Al Ajan , Abdulaziz | | | | | | *03 | *05 | | | | | | SSO |
| 5133 | Askar, Medhat | *01 | *07 | 4*01N | *01 | *02 | *03 | *05 | *01 | | | | | SSO SBT |
| 774 | Cecka , J. Michael | *01 | *07 | 4*01 | *01 | *02 | *03 | *05 | *01 | | *04 | | | SSP SSO |
| 3224 | Chen , Dong-Feng | *01 | *07 | 4*NULL | *01 | *02 | *03 | *05 | *01 | | *04(DP401) | | | SSO SBT OTHER |
| 3632 | Colombe , Beth W. | *01 | *07 | 4*01 | NT | NT | *03 | *05 | *01 | | NT | NT | | SSP SSO |
| 5130 | Costeas , Paul A. | *01 | *07 | | | | *03 | *05 | | | | | | SSP SSO |
| 779 | Daniel , Claude | *01 | *07 | 4*01 | *01 | *02 | *03 | *05 | *01 | | *04(DP401) | | | SSP SSO |
| 5219 | Daniel , Dolly | *01 | *07 | | | | *03 | *05 | | | | | | |
| 1108 | DeConinck , Martha | *01 | *07 | 4*01 | *01 | *02 | *03 | *05 | *01 | *01 | | | | SSO |
| 3766 | Dunckley , Heather | *01 | *07 | 4*01N | *01 | *02 | *03 | *05 | *01 | | *04(DP401) | | | SSP SSO OTHER |
| 5214 | Eckels/CPMC , | *01 | *07 | 4*01N | *01 | *02 | *03(DQ9) | *05 | *01 | | *04(DP401) | | | SSO |
| 4079 | Fort , Marylise | *01 | *07 | | | | *03 | *05 | | | | | | SSP SSO |
| 792 | Gandhi , Manish | *01 | *07 | 4*01N | *01 | *02 | *03 | *05 | *01 | *01 | *04 | *04 | | SSP SSO SBT |
| 8087 | Guerra , Q.F.B. Elb | *01 | *07 | | *01 | *02 | *03 | *05 | | | | | | |
| 910 | Hahn , Amy B. | *01 | *07 | 4*01N | | | *03 | *05 | | | | | | |
| 1694 | Hesse , Nicole | *01 | *07 | 4*PRESENT | | | *03 | *05 | | | | | | SSP |
| 8043 | Hod , Reut | *01 | *07 | | | | *03 | *05 | | | | | | SSP SSO |
| 771 | Israel , Shoshana | *01 | *07 | | | | *03 | *05 | | | | | | SSP SSO |
| 794 | Jaatinen , Taina | *01 | *07 | 4*01N | *01 | *02 | *03 | *05 | *01 | *01 | *04 | *04 | | SSP SSO SBT OTHER |
| 2847 | Kihara , Masaaki | *01 | *07 | | | | | | | | | | | SSO |
| 87 | Land , Geoffrey A. | *01 | *07 | 4*01N | *01 | *02 | *03(DQ9) | *05 | *01 | *01 | *04(DP401) | 04(DP401) | | SSP |
| 725 | Lardy , N.M. | *01 | *07 | 4*PRESENT | *01 | *02 | *03 | *05 | | | | | | SSP SSO |
| 278 | Lee , Jar-How | *01 | *07 | 4*01 | *01 | *02 | *03 | *05 | *01 | *01 | *04 | *04 | | |
| 6649 | Lim , Young Ae | *01 | *07 | 4*PRESENT | | | | | | | | | | SSP |
| 759 | Lopez-Cepero , Ma | *01 | *07 | 4*01N | *01 | *02 | *03(DQ9) | *05 | *01 | | *04(DP401) | | | SSP |
| 206 | McAlack-Hanau , | *01 | *07 | 4*01N | *01 | *02 | *03 | *05 | *01 | | *04 | | | SSO |
| 8042 | Muncher , Liora | *01 | *07 | 4*01 | NT | NT | *03 | *05 | NT | NT | NT | NT | | SSP SSO |
| 54 | Pancoska , Carol | *01 | *07 | 4*01N | *01 | *02 | *03 | *05 | *01 | | *04 | | | SSO |
| 2400 | Phelan , Donna L. | *01 | *07 | 4*PRESENT | *01 | *02 | *03 | *05 | | | *04 | | | SSP SSO SBT |
| 8001 | Rao , Prakash | | | | *01 | *02 | | | | | | | | SSP SSO |
| 3519 | Renac , Virginie | NT | NT | | | | NT | NT | | | NT | NT | | SSP SBT |
| 1160 | Rosen-Bronson , Sa | *01 | *07 | | *01 | *02 | *03 | *05 | *01 | | | | | SSO SBT |
| 793 | Rubocki , Ronald | *01 | *07 | | *01 | *02 | *03 | *05 | | | | | | SSP |
| 4251 | Schiller , Jennifer | *01 | *07 | 4*01N | *01 | *02 | *03 | *05 | *01 | *01 | *04 | *04 | | SSO SBT |
| 8068 | Shanmugam , Hem | *01 | *07 | | *01 | *02 | *03 | *05 | | | | | | SSO |
| 8029 | Tarigopula , Anil | *01 | *07 | | | | *03 | *05 | | | | | | SSO |
| 747 | Tiercy , Jean-Marie | *01 | *07 | 4*01N | *01 | *02 | *03 | *05 | | | *04(DP401) | | | SSP SSO SBT |
| 5451 | Tilanus , Marcel G. | *01 | *07 | 4*NULL | | | *03 | *05 | | | | | | SSP SBT |
| 5642 | Varnavidou-Nicolaic | *01 | *07 | 4*PRESENT | | | *03 | *05 | | | | | | SSP |
| 8052 | Yanina Marcos , Cir | *01 | *07 | | *01 | *02 | *03 | *05 | | | | | | SSO |

| Table 6b: Individual laboratory results for B-cell #520-Class II | | | | | | | | |
|--|--------------|-----|-----|--|-----|-----|------|------|
| Serology | | | | | | | | |
| CTR | DIRNAME | DR1 | DR7 | | DQ1 | DQ9 | OTH1 | OTH2 |
| 4492 | Charron,D. | + | + | | + | DQ3 | DR13 | DR53 |
| 910 | Hahn,Amy B. | + | + | | + | + | | |
| 4908 | Kvam,Vonnett | + | + | | + | + | | |

Table 7: Individual laboratory results for B-cell #520-Class II

| | | High resolution | | | | | | | | | | |
|--------|----------------------|-----------------|------------|----------------|------------|--------|--------------|-----------|--------|------------|---------------|---|
| Center | Investigator | DRB1 | DRB4 | DQA1 | | DQB1 | | DPA1 | DPB1 | METHOD | Other Alleles | |
| 5488 | Adams , Sharon | *01:01:01 | *07:01:01 | 4*01:03:01:02N | *01:01 | *02:01 | *03:03 | *05:01 | | *04:01:01 | SSP SSO SBT | DQA1*01:12 |
| 4691 | Al Aijan , Abdulaziz | *01:01 | *07:01 | | | | | | | | SSO | |
| 5462 | Arnold , Paula | *01:01 | *07:01 | 4*01:03N | NT | NT | *03:03 | *05:01 | NT | *04:01 | SSP SSO SBT | |
| 5133 | Askar, Medhat | *01:01 | *07:01 | 4*01:03N | | *02:01 | | | *01:03 | *04:01:01G | SSO SBT | DRB1*01:50/01:62N/01:64/01:65/01:67, DRB1*07:31/07:33/07:34, DRB1*07:35, DPB1*215:01/216:01N/224:01/225:01/227:01/228:01/230:01/231:01/232:01/240:01/253:01/254:01/255:01/262:01/275:01/279:01/280:01/281:01/282:01/283:01/298:01/318:01/319:01 > |
| 774 | Cecka , J. Michael | *01:01 | *07:01 | 4*01:03N | *01:01 | *02:01 | *03:03 | *05:01 | *01:03 | *04:01 | SSP SSO | DRB1*01:50/01:62N, DRB1*07:31/07:33/07:34 , DQB1*03:31/03:33/03:34/03:39/03:86/03:87/03:88/03:89/03:91Q/03:96/03:97/03:98/03:99Q, DQB1*05:12/05:18/05:27/05:30/05:31/05:32/05:44/05:45 |
| 8070 | Chang , Uckjin | *01:01 | *07:01 | | | | | | | | SBT | |
| 9916 | Charlton , Ronald K | *01:01:01 | *07:01:01 | 4*01:03:01:02N | | | *03:03:02 | *05:01:01 | | *04:01:01 | SSP SBT | |
| 4492 | Charron , Dominiqu | *01:01:01 | *07:01:01 | 4*01:03:01:02N | *01:01 | *02:01 | *03:03:02:01 | *05:01:01 | *01:03 | *04:01:01 | SSP SSO SBT | DQA1*01:04/01:05/01:12 |
| 3224 | Chen , Dong-Feng | *01:01:01 | *07:01:01G | 4*01:03:01:02N | *01:01:01G | *02:01 | *03:03:02:01 | *05:01:01 | *01:03 | *04:01 | SSO SBT | OTHER |
| 8021 | Clark , Brendan | *01:01 | *07:01 | 4*01:03:01:02N | *01:01 | *02:01 | *03:03 | *05:01 | | *04:01 | SSP SSO | |
| 3632 | Colombe , Beth W. | *01:01 | *07:01 | 4*01:03N | | | *03:03 | *05:01 | *01:03 | | SSP SSO | |
| 5130 | Costeas , Paul A. | *01:01 | *07:01 | 4*01:03:01:02N | *01:01 | *02:01 | *03:03 | *05:01 | | | SSP SSO | DRB1*07:13, DRB1*01:07 |
| 779 | Daniel , Claude | | | 4*01:03:01:02N | *01:01 | *02:01 | *03:03 | | *01:03 | *04:01 | SSP SSO | |
| 3766 | Dunckley , Heather | | | | | *02:01 | | | | *04:01 | SSP SSO | OTHER |
| 3135 | Enczmann , J | *01:01 | *07:01 | 4*01:03N | | | *03:03 | *05:01 | | *04:01 | SSP SSO SBT | |
| 762 | Fischer , Gottfried | *01:01 | *07:01 | 4*01:03N | *01:01 | *02:01 | *03:03 | *05:01 | | *04:01 | SSP SSO SBT | DRB1*01:50/*01:67, DRB1*07:34 |
| 4079 | Fort , Marylise | *01:01 | *07:01 | | | | *03:03 | *05:01 | | *04:01 | SSP SSO | DQB1*05:49/*05:63, DPB1*215:01/*216:01N/*224:01/*225:01/*227:01/*230:01/*231:01/*232:01/*240:01/*253:01/*254:01/*255:01/*262:01/*275:01/*279:01/*280:01 |
| 792 | Gandhi , Manish | *01:01 | *07:01 | | *01:01 | *02:01 | *03:03 | *05:01 | | *04:01 | SSP SSO SBT | |

Table 7: Individual laboratory results for B-cell #520-Class II

| | | High resolution | | | | | | | | | | |
|--------|----------------------|-----------------|--------------|----------------|-----------|--------|--------------|--------------|-----------|--------------|---------------|--|
| Center | Investigator | DRB1 | DRB4 | DQA1 | | DQB1 | | DPA1 | DPB1 | METHOD | Other Alleles | |
| 810 | Hamdi , Nuha | *01:01 | *07:01 | 4*01:03N | *01:01 | *02:01 | *03:03 | *05:01 | | | SSO | |
| 8043 | Hod , Reut | *01:01 | *07:01 | | *01:01 | *02:01 | *03:03 | *05:01 | *01:03 | *04:01 | SSP SSO | |
| 2344 | Hurley , Hartzman& | *01:01:01 | *07:01:01:01 | 4*01:03:01:02N | *01:01:01 | *02:01 | *03:03:02:01 | *05:01:01:01 | *01:03:01 | *04:01:01:01 | OTHER | DRB1*07:01:01:02, DQB1*03:03:02:02/03:03:02:03 , DQB1*05:01:01:02, DPB1*04:01:01:02 |
| 771 | Israel , Shoshana | *01:01 | *07:01 | | | | *03:03 | *05:01 | | | SSP SSO | |
| 794 | Jaatinen , Taina | *01:01 | *07:01 | 4*01:03N | *01:01 | *02:01 | *03:03 | *05:01 | *01:03 | *04:01 | SSP SSO SBT | |
| 4337 | Kim , Tai-Gyu | *01:01 | *07:01 | | | | *03:03 | *05:01 | | *04:01 | OTHER | DQA1*01:04/01:05/01:12 |
| 278 | Lee , Jar-How | *01:01 | *07:01 | 4*01:03N | *05:05 | *02:01 | *03:03 | *05:01 | *01:03 | *04:01 | SBT | |
| 274 | Lo , Raymundo W. | *01:01 | *07:01 | | *01:01 | *02:01 | *03:01 | *05:11 | *01:03 | *04:01 | OTHER | DPB1*39:01 |
| 731 | Loewenthal , Ron | *01:01:01 | *07:01:01 | | | | *03:03:02 | *05:01:01 | | | SSP SSO SBT | |
| 8042 | Muncher , Liora | *01:01 | *07:01 | 4*01:03 | NT | NT | *03:03 | *05:01 | NT | NT | SSP SSO | |
| 3966 | Permpikul , Vejbaes | *01:01 | *07:01 | 4*01:03:01:02N | | | *03:03 | *05:01 | | | SSP | |
| 2400 | Phelan , Donna L. | *01:01 | *07:01 | | *01:01 | *02:01 | *03:03 | *05:01 | | *04:01:01G | SSP SSO SBT | |
| 8001 | Rao , Prakash | *01:01 | *07:01 | 4*01:03N | | | *03:03 | *05:01 | | *04:01 | SSP SSO | DRB1*01:07/01:11 |
| 3753 | Reed , Elaine F. | *01:01 | *07:01 | 4*01:03N | *01:01 | *02:01 | *03:03 | *05:01 | *01:03 | *04:01 | SSO SBT | DRB1*01:21, DRB1*07:11, DQA1*01:04/01:05/01:12, DQB1*03:26/03:112, DQB1*05:11/05:51, DPB1*215:01/216:01N/224:01/ 225:01/227:01/228:01/230:01/2 31:01/232:01/240:01/253:01/25 4:01/255:01/262:01/275:01/279 :01/280:01/281:01/282:01/283: 01/298:01/318:01/319:01> |
| 3519 | Renac , Virginie | *01:01 | *07:01 | 4*01:03N | *01:01 | *02:01 | *03:03 | *05:01 | | *04:01 | SSP SBT | DRB1*07:34 |
| 1160 | Rosen-Bronson , Sa | *01:01 | *07:01 | 4*01:03N | | *02:01 | *03:03 | *05:01 | *01:03 | *04:01 | SSO SBT | |
| 793 | Rubocki , Ronald | | | 4*01:03:01:02N | | | | | | *04:01 | SSP | |
| 4251 | Schiller , Jennifer | *01:01:01G | *07:01:01G | | | | *03:03 | *05:01 | | *04:01:01G | SSO SBT | |
| 747 | Tiercy , Jean-Marie | *01:01 | *07:01 | 4*01:03:01:02N | *01:01 | *02:01 | *03:03:02 | *05:01:01 | | *04:01 | SSP SSO SBT | DQA1*01:04/01:05/01:12 |
| 5451 | Tilanus , Marcel G.J | *01:01:01 | *07:01:01 | | | | | | | | SSP SBT | |
| 5642 | Varnavidou-Nicolaic | *01:01 | *07:01 | | | | *03:03 | *05:01 | | | SSP | DRB1*01:11:02 |
| 3511 | Zeevi , Adriana | *01:01 | *07:01 | 4*01:03N | *01:01 | *02:01 | *03:03 | *05:01 | | *04:01 | SSP SSO | |

Table 8: Individual laboratory results for B-cell #520-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 | *01 | *02 | *15 | *57 | *06 | *07 | | | | | | | | SSP SSO SBT | |
| 4691 | Al Ajlal , Abdulaziz | *01 | *02 | *15 | *57 | *06 | *07 | | | | | | | | SSO | |
| 5462 | Arnold , Paula | | | | | | | *01:01P | *02:01P | *15:17 | *57:01 | *06:02P | *07:01 | | SSP SSO SBT | |
| 5133 | Askar, Medhat | *01 | *02 | *15 | *57 | *06 | *07 | *01:01 | *02:01 | *15:17:01 | *57:01:01 | *06:02 | *07:01 | | SSO SBT | B*15:268, B*57:32 |
| 774 | Cecka , J. Michael | *01 | *02 | *15 | *57 | *06 | *07 | | | *15:17 | | | | | SSP SSO | |
| 9916 | Charlton , Ronald K | | | | | | | *01:01:38L | *02:01:01:01 | *15:17:01:01 | *57:01:01 | *06:02:01 | *07:01:02 | | SSP SBT | |
| 4492 | Charron , Dominique | | | | | | | *01:01:38L | *02:01:01:01 | *15:17:01:01 | *57:01:01 | *06:02:01:01 | *07:01:02 | | SSP SSO SBT | |
| 3224 | Chen , Dong-Feng | *01 | *02 | *15 | *57 | *06 | *07 | *01:01:38L | *02:01:01G | *15:17 | *57:01 | *06:02 | *07:01:01G | | SSO SBT OTHER | |
| 8021 | Clark , Brendan | | | | | | | *01:01 | *02:01 | *15:17 | *57:01 | *06:02 | *07:01 | | SSP SSO | |
| 5130 | Costeas , Paul A. | *01 | *02 | *15 | *57 | *06 | *07 | *01:01:38L | *02:01 | *15:17 | *57:01 | *06:02 | *07:01 | | SSP SSO | B*57:18/57:29, A*01:01 |
| 779 | Daniel , Claude | *01 | *02 | *15 | *57 | *06 | *07 | | | *15:17 | | | | | SSP SSO | |
| 5219 | Daniel , Dolly | *01 | *02 | *15 | *57 | *06 | *07 | | | | | | | | | |
| 1108 | DeConinck , Martha | *01 | *02 | *15 | *57 | *06 | *07 | | | | | | | | SSO | |
| 3766 | Dunckley , Heather | *01 | *02 | *15 | *57 | *06 | *07 | | | | | | | | SSP SSO OTHER | |
| 5214 | Eckels/CPMC , | *01 | *02 | *15(B63) | *57 | *06 | *07 | | | | | | | | SSO | |
| 3135 | Enczmann , J | | | | | | | *01:01 | *02:01 | *15:17 | *57:01 | *06:02 | *07:01 | | SSP SSO SBT | C*07:06/07:18 |
| 792 | Gandhi , Manish | *01 | *02 | *15 | *57 | *06 | *07 | *01:01 | *02:01 | *15:17 | *57:01 | *06:02 | *07:01 | | SSP SSO SBT | A*01:01:38L |
| 8087 | Guerra , Q.F.B. Elb | *01 | *02 | *15 | *57 | *02 | *04 | | | | | | | | | |
| 910 | Hahn , Amy B. | | | | | | | | | *15:17 | | | | | | |
| 810 | Hamdi , Nuha | | | | | | | *01:01 | *02:01 | *15:17 | *57:01 | *06:02 | *07:02 | | SSO | |
| 1694 | Hesse , Nicole | *01 | *02 | *15 | *57 | *06 | *07 | | | | | | | | SSP | |
| 2344 | Hurley , Hartzman& | | | | | | | *01:01:38L | *02:01:01:01 | *15:17:01:01 | *57:01:01 | *06:02:01:01 | *07:01:02 | | OTHER | |
| 794 | Jaatinen , Taina | *01 | *02 | *15 | *57 | *06 | *07 | *01:01:38L | *02:01 | *15:17 | *57:01 | *06:02 | *07:01 | | SSP SSO SBT OTHER | C*06:83, C*07:06/07:18 |
| 2847 | Kihara , Masaaki | *01 | *02 | *15 | *57 | *06 | *07 | | | | | | | | SSO | |
| 4337 | Kim , Tai-Gyu | | | | | | | *01:01 | *02:01 | *15:17 | *57:01 | *06:02 | *07:01 | | SBT | |
| 87 | Land , Geoffrey A. | *01 | *02 | *15(B63) | *57 | *06 | *07 | | | | | | | | SSP | |
| 278 | Lee , Jar-How | *01 | *02 | *15 | *57 | *06 | *07 | *01:01 | *02:01 | *15:17 | *57:01 | *06:02 | *07:01 | | | |
| 274 | Lo , Raymundo W. | | | | | | | *01:01 | *02:01 | *57:22 | *57:01 | *06:02 | *07:01 | | OTHER | |
| 206 | McAlack-Hanau , | *01 | *02 | *15 | *57 | *06 | *07 | | | | | | | | SSO | |
| 8042 | Muncher , Liora | *01 | *02 | *15 | *57 | *06 | *07 | *01:01 | *02:01 | *15:17 | *57:01 | *06:02 | *07:01 | | SSP SSO | |
| 54 | Pancoska , Carol | *01 | *02 | *15 | *57 | *06 | *07 | | | | | | | | SSO | |
| 3966 | Permpikul , Vejbaes | *01 | *02 | *15 | *57 | *06 | *07 | | | *15:17 | | | | | SSP | |
| 2400 | Phelan , Donna L. | *01 | *02 | *15 | *57 | *06 | *07 | *01:01:38L | *02:01 | *15:17 | *57:01 | *06:02 | *07:01:01G | | SSP SSO SBT | C*06:83 |
| 3753 | Reed , Elaine F. | | | | | | | *01:01 | *02:01 | *15:17 | *57:01 | *06:02 | *07:01 | | SSO SBT | A*01:01:01:02N/01:01:38L/01:14/01:30/01:66/01:98/01:100, A*02:01L/02:01:14Q/02:101 >, B*15:268, B*57:32, C*06:04/06:11/06:17/06:31/06:83/06:122, C*07:06/07:09/07:18/07:22/07:165 > |
| 3519 | Renac , Virginie | NT | NT | NT | NT | NT | NT | | | | | | | | SSP SBT | |

Table 8: Individual laboratory results for B-cell #520-Class I

| Center | Investigator | Low Resolution | | | | | | High resolution | | | | | | METHOD | Other Alleles |
|--------|---------------------|----------------|-----|-------|-----|-------|-----|-----------------|--------|--------|--------|------------|------------|---------|---------------|
| | | HLA-A | | HLA-B | | HLA-C | | HLA-A | | HLA-B | | HLA-C | | | |
| 3519 | Renac , Virginie | | | | | | | *01:01 | *02:01 | *15:17 | *57:01 | *06:02 | *07:01 | SSP SBT | |
| 4251 | Schiller , Jennifer | *01 | *02 | *15 | *57 | *06 | *07 | *01:01 | *02:01 | *15:17 | *57:01 | *06:02:01G | *07:01:01G | SSO SBT | |
| 8068 | Shanmugam , Hem | *01 | *02 | *15 | *57 | *06 | *07 | | | | | | | SSO | |
| 8029 | Tarigopula , Anil | *01 | *02 | *15 | *57 | *06 | *07 | | | | | | | SSO | |
| 8052 | Yanina Marcos , Cir | *01 | *02 | *15 | *57 | *06 | *07 | | | | | | | SSO | |

NEXT MAILING DATE: February 3, 2016



Season's Greetings!



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