

UCLA INTERNATIONAL HLA DNA EXCHANGE

96TH SUMMARY



JULY 22, 2009

JOHN MURAMOTO, CHS / CLIN. GENETIC MB SCI.

CATHY HUYNH

J. MICHAEL CECKA, PH.D

ELAINE F. REED, PH.D

| DNA Sample | |
|------------|------|
| #597 | #598 |
| #599 | #600 |
| #601 | #602 |

DNA #597 ASIAN

| | ALLELE | | AGREEMENT (n/total) | | SBT LABS |
|-------|--------|------|----------------------|---------|--------------|
| | #1 | #2 | low | high | Allele level |
| A* | 2407 | | 117/117 | 82/82 | 50/51 |
| B* | 1801 | 3505 | 237/238 | 139/144 | 81/108 |
| Cw* | 0401 | 0704 | 210/210 | 130/132 | 62/100 |
| DRB1* | 0803 | 1501 | 232/232 | 168/169 | 84/96 |
| DRB3* | | | | | |
| DRB4* | | | | | |
| DRB5* | 0101 | | 76/77 | 58/58 | 6/6 |
| DQA1* | 0102 | 0103 | 70/70 | 54/55 | 3/4 |
| DQB1* | 0601 | 0602 | 200/200 | 157/159 | 68/68 |
| DPB1* | 0501 | | 38/38 | 36/36 | 20/20 |
| DPA1* | 0202 | | 4/4 | 4/4 | |

Agreement for this sample was greater than 95%.
 At DPB1*, two SBT labs reported an exact match in exon 2 for DPB1*0501. However, these two labs using one company's SSP tray, had an unexpected reactivity pattern for DPB1*0501. This needs to be confirmed by sequencing or alternative SSP typing reagents. It was also noted that this DPB1*0501 had a similar SSP reactivity pattern to Ter - 315 (IHW9427, Cell Exchange April 9, 2003).

Discrepancies or ambiguities reported:

B*: 1802/20, 3532/51. Not excluded: 1814/17/32, 3551/72.
 Cw*: 0701/11/12. Not excluded: 0407/9/19/30, 0711.
 DRB1*: 080101. Not excluded: 0810/14/36, 1502/19/24/32.
 DQA1*: 0103. Not excluded:
 DPB1*: 0601/13. Not excluded: 0611/33.

DNA #598 HISP

| | ALLELE | | AGREEMENT (n/total) | | SBT LABS |
|-------|--------|------|----------------------|---------|--------------|
| | #1 | #2 | low | high | Allele level |
| A* | 0101 | 2501 | 236/236 | 147/147 | 94/102 |
| B* | 5101 | 5701 | 239/240 | 151/151 | 93/107 |
| Cw* | 0602 | 1203 | 212/212 | 147/147 | 84/100 |
| DRB1* | 0407 | 1302 | 236/236 | 177/179 | 95/96 |
| DRB3* | 0301 | | 80/80 | 57/58 | 6/6 |
| DRB4* | | 0103 | 80/80 | 60/60 | 6/6 |
| DRB5* | | | | | |
| DQA1* | 0102 | 0303 | 72/72 | 41/44 | 3/4 |
| DQB1* | 0301 | 0604 | 201/202 | 146/147 | 54/68 |
| DPB1* | 0201 | 0301 | 74/74 | 70/70 | 34/36 |
| DPA1* | 0103 | | 4/4 | 3/3 | |

Agreement for this sample was greater than 95%.

Discrepancies or ambiguities reported:

A*: Not excluded: 0111, 2505/6/7.
 B*: BLANK. Not excluded: 5137/55, 5703/18.
 C*: Not excluded: 0603/10/11/18, 1204/11.
 DRB1*: 040101, 130301. Not excluded: 0474, 1331/67/73.
 DQB1*: 060101. Not excluded: 0319, 0617/34.
 DPB1*: Not excluded: 0501.

DNA #599 HISP

| | ALLELE | | AGREEMENT (n/total) | | SBT LABS |
|-------|--------|------|----------------------|---------|--------------|
| | #1 | #2 | low | high | Allele level |
| A* | 0101 | 3101 | 232/232 | 134/135 | 88/102 |
| B* | 0801 | 1515 | 236/236 | 149/155 | 94/107 |
| Cw* | 0102 | 0701 | 208/208 | 126/127 | 72/100 |
| DRB1* | 0301 | 0404 | 232/232 | 171/172 | 90/96 |
| DRB3* | 0101 | | 78/78 | 58/58 | 6/6 |
| DRB4* | | 0103 | 78/78 | 58/58 | 6/6 |
| DRB5* | | | | | |
| DQA1* | 0301 | 0501 | 70/70 | 48/48 | 0/4 |
| DQB1* | 0201 | 0302 | 199/200 | 154/155 | 68/68 |
| DPB1* | 0201 | 0402 | 71/72 | 70/71 | 36/36 |
| DPA1* | 0103 | | 4/4 | 2/2 | |

Agreement for this sample was greater than 95%.
 In previous samples containing B*1515, consensus was as high as 97% (#520).
 With this sample, B*1515 consensus was 95%.

Discrepancies or ambiguities reported:

| | |
|-----------------------|------------------------------------|
| A*: 3102. | Not excluded: 0111, 3114/23/24. |
| B*: 0804/13, 1501/8 . | Not excluded: 0819/36, 1508. |
| Cw*: 0117. | Not excluded: 0117, 0706/18/40. |
| DRB1*: 0401. | Not excluded: 0306/13/36, 0423/42. |
| DQB1*: 0202. | Not excluded: 0205. |
| DPB1*: 0501. | Not excluded: 0602. |

DNA #600 ASIAN

| | ALLELE | | AGREEMENT (n/total) | | SBT LABS |
|-------|--------|------|----------------------|---------|--------------|
| | #1 | #2 | low | high | Allele level |
| A* | 0201 | 2402 | 226/226 | 130/130 | 88/100 |
| B* | 1301 | 1527 | 229/230 | 159/160 | 102/106 |
| Cw* | 0304 | 0401 | 203/204 | 121/123 | 67/96 |
| DRB1* | 0406 | 0803 | 226/226 | 165/167 | 85/94 |
| DRB3* | | | | | |
| DRB4* | 0103 | | 76/76 | 57/57 | 6/6 |
| DRB5* | | | | | |
| DQA1* | 0103 | 0301 | 66/66 | 37/37 | 4/4 |
| DQB1* | 0302 | 0601 | 193/193 | 153/159 | 65/66 |
| DPB1* | 0201 | 0501 | 73/74 | 72/73 | 37/38 |
| DPA1* | 0202 | | 4/4 | 4/4 | |

Agreement for this sample was greater than 95%.
 This is the first B*1527 (99%) sent in the DNA Exchange. B*1527 was assigned in May 1995 and was also found in an Asian (IMGT database).

Discrepancies or ambiguities reported:

| | |
|---------------------|-------------------------------------|
| A*: | Not excluded: 0212, 2413/35. |
| B*: 150104. | Not excluded: 1317/23, 1501. |
| Cw*: 0303/28, 0604. | Not excluded: 0303/6, 0407/9/30/40. |
| DRB1*: 0401, 0801. | Not excluded: 0420/46, 0810/14/36. |
| DQB1*: BLANK, 0311. | Not excluded: 0307. |
| DPB1*: 0402. | Not excluded: 0202. |

DNA #601 BLACK

| | ALLELE | | AGREEMENT (n/total) | | SBT LABS |
|-------|--------|------|----------------------|---------|--------------|
| | #1 | #2 | low | high | Allele level |
| A* | 6602 | 6802 | 224/224 | 149/150 | 93/98 |
| B* | 3910 | 5703 | 227/228 | 160/163 | 99/104 |
| Cw* | 1203 | 1802 | 198/200 | 142/144 | 71/94 |
| DRB1* | 1302 | 1602 | 224/224 | 162/164 | 85/94 |
| DRB3* | 0301 | | 75/75 | 52/54 | 6/6 |
| DRB4* | | | | | |
| DRB5* | | 0202 | 75/75 | 54/55 | 6/6 |
| DQA1* | 0102 | | 34/34 | 27/27 | 2/2 |
| DQB1* | 0502 | 0609 | 190/190 | 145/149 | 62/62 |
| DPB1* | 0101 | 1801 | 70/70 | 70/70 | 17/17 |
| DPA1* | 0103 | 0202 | 8/8 | 5/8 | |

Agreement for this sample was greater than 95%.
This is the first B*3910 (98%) sent in the DNA Exchange. B*3910 was assigned in April 1996 (IMGT database).

Discrepancies or ambiguities reported:

A*: 6805. Not excluded: 6603, 6840.
B*: 3901, 5701. Not excluded: 3920, 5717.
C*: 1801. Not excluded: 1801.
DRB1*: 1303, 1601. Not excluded: 1367/73, 1610/11.
DQB1*: 0501/3, 0601/4. Not excluded: 0505, 0618.

DNA #602 ASIAN

| | ALLELE | | AGREEMENT (n/total) | | SBT LABS |
|-------|--------|------|----------------------|---------|--------------|
| | #1 | #2 | low | high | Allele level |
| A* | 1101 | 3303 | 225/226 | 129/133 | 84/98 |
| B* | 1525 | 4006 | 230/230 | 163/165 | 101/104 |
| Cw* | 0302 | 0403 | 200/200 | 149/149 | 92/94 |
| DRB1* | 1404 | 1602 | 226/226 | 170/171 | 92/94 |
| DRB3* | 0101 | | 75/75 | 53/54 | 6/6 |
| DRB4* | | | | | |
| DRB5* | | 0202 | 72/75 | 55/55 | 6/6 |
| DQA1* | 0102 | 0104 | 68/68 | 37/37 | 2/4 |
| DQB1* | 0502 | 0503 | 190/190 | 144/146 | 61/62 |
| DPB1* | 0201 | | 35/35 | 34/34 | 17/17 |
| DPA1* | 0103 | | 4/4 | 2/2 | |

Agreement for this sample was greater than 95%.

At DPB1*, 4 SBT labs reported a match in exon 2 for DPB1*0201. However, 3 of the 4 labs noted an unexpected reactivity pattern on two different companies SSP trays. The 3 labs commented that this is an indication that there may be an unexpected polymorphism outside exon 2. One SBT lab noted the presence of heterozygous peaks in exon 3.

Discrepancies or ambiguities reported:

A*: 1106, 3301. Not excluded: 1121/25, 3314/15/16.
B*: 1505, 4002. Not excluded: 4070/83.
Cw*: Not excluded: 0333/36, 0406/16.
DRB1*: 1601. Not excluded: 1461, 1610/11.
DQB1*: 0501. Not excluded: 0502/4/5.

ACKNOWLEDGMENT:

The UCLA Immunogenetics Center expresses its thanks to the following for contributing to this Exchange: One Legacy and all organ and tissue donors and families for giving the gift of life and the gift of knowledge by their generous donation to the education and advancement of the study of HLA.

DNA #597

| CENTER | DRB1 | DRB3/4/5 | DQA1 | DQB1 | DPB1 | DPA1 | A-Locus | B-Locus | C-Locus | | | | | | | | | |
|--------|---------|----------|---------|-------|------|------|---------|---------|---------|-------|--------|-------|---------|---------|-----------|---------|------|---------|
| 7 | 08 | 15 | 501 | BLANK | 01 | 01 | 06 | 06 | 24 | BLANK | 18 | 35 | 04 | 07 | | | | |
| 16 | 080302 | 150101 | 50101 | BLANK | 0102 | 0103 | 0601 | 0602 | 0501 | BLANK | 2407 | BLANK | 1801/17 | 3505 | 040101/30 | 070401 | | |
| 61 | | | | | | | | | | | | | | | | | | |
| 80 | 08 | 15 | 5 | BLANK | | | 06 | 06 | | | 24 | BLANK | 18 | 35 | 04 | 07 | | |
| 124 | 0803 | 1501 | 50101 | BLANK | 0102 | 0103 | 0601 | 0602 | 0501 | BLANK | 2407 | BLANK | 1801/17 | 3505 | 04 | 0704/11 | | |
| 131 | 08 | 15 | 5 | BLANK | | | 06 | 06 | | | 24 | BLANK | 18 | 35 | 04 | 07 | | |
| 134 | 0803 | 1501 | 50101 | BLANK | | | 0601 | 0602 | 0501 | BLANK | 2407 | BLANK | 1801 | 3505 | 0401 | 0704 | | |
| 138 | 0803 | 1501 | | | | | 0601 | 0602 | | | 2407 | BLANK | 1801 | 3505 | 0401 | 0704 | | |
| 139 | 08 | 15 | 501 | BLANK | | | | | | | 2407 | BLANK | 18 | 3505/51 | | | | |
| 142 | 08 | 15 | 501 | BLANK | | | 06 | 06 | | | 24 | BLANK | 18 | 35 | | | | |
| 144 | 0803 | 1501 | | | | | 0601 | 0602 | | | 2407 | BLANK | 1801 | 3505 | 04 | 0704/11 | | |
| 147 | 0803 | 1501 | 501 | BLANK | 0102 | 0103 | 0601 | 0602 | 0501 | BLANK | 2407 | BLANK | 1801 | 3505 | 0401 | 0704 | | |
| 148 | 08 | 15 | | | | | 0601 | 06 | | | 2407 | BLANK | 18 | 35 | 04 | 07 | | |
| 151 | 0803/10 | 1501/19 | 5 | BLANK | | | 0601 | 0602 | | | 2407 | BLANK | 180101 | 3505 | 0401/30 | 070401 | | |
| 152 | | | | | | | | | | | | | | | | | | |
| 153 | 08 | 15 | 5 | BLANK | | | 06 | 06 | | | 24 | BLANK | 18 | 35 | 04 | 07 | | |
| 155 | | | | | | | | | | | 2407 | BLANK | 1801 | 3505 | 0401 | 0704 | | |
| 156 | 0803 | 1501 | | | | | 0601 | 0602 | | | 2407 | BLANK | 1801 | 3505 | 0401 | 0704 | | |
| 158 | 0803 | 1501 | 50101 | BLANK | | | 0601 | 0602 | 0501 | BLANK | 2407 | BLANK | 1801 | 3505 | 0401 | 0704 | | |
| 160 | 0803 | 1501 | 50101 | BLANK | | | 0601 | 0602 | | | 2407 | BLANK | 1801 | 3505 | 0401 | 0704 | | |
| 162 | 080302 | 150101 | | | | | 0601 | 0602 | | | 2407 | BLANK | 180101 | 3505 | 040101 | 0704/11 | | |
| 163 | | | | | | | | | 0501 | BLANK | | | 1801/17 | 3551 | 04 | 0701/11 | | |
| 164 | 08 | 15 | | | | | | | | | 24 | BLANK | 18 | 35 | | | | |
| 166 | | | | | | | | | | | 2407 | BLANK | 1801 | 3505 | 0401 | 0704 | | |
| 167 | 080302 | 150101 | | | | | 0601 | 060201 | | | 2407 | BLANK | 180101 | 3505 | 040101 | 070401 | | |
| 168 | 08 | 15 | | | | | | | | | 24 | BLANK | 18 | 35 | | | | |
| 170 | 080302 | 1501 | 50101 | BLANK | | | 0601 | 0602 | | | 2407 | BLANK | 1820 | 35 | 04 | 07 | | |
| 171 | 0803 | 1501 | 50101 | BLANK | | | 0601 | 0602 | | | 24 | BLANK | 18 | 35 | 04 | 07 | | |
| 173 | 08 | 15 | | | 0102 | 0103 | 0601 | 0602/11 | | | 24 | BLANK | 18 | 35 | | | | |
| 174 | 08 | 15 | | | | | | | | | 2407 | BLANK | 18 | 3505/72 | | | | |
| 175 | 0803 | 1501 | | | | | 0601 | 0602 | | | 2407 | BLANK | 1801 | 3551 | 04 | 07 | | |
| 176 | 0803/10 | 1501/2 | | | | | | | | | 2407 | BLANK | 1801 | 3505 | | | | |
| 179 | 0803/10 | 1501/2 | NT | NT | 0102 | 0103 | 0601 | 0602 | | | 2407 | BLANK | 18 | 35 | 04 | 0704/11 | | |
| 180 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | | |
| 185 | 080302 | 150101 | | | | | 060101 | 060201 | | | 2407 | BLANK | 18 | 3505 | 04 | 07 | | |
| 186 | 0803 | 1501 | 50101 | BLANK | 0102 | 0103 | 0601 | 0602 | 0501 | BLANK | 2407 | BLANK | 1801 | 3505 | 0401 | 0704 | | |
| 187 | 0803 | 1501 | | | | | 0601 | 0602 | 0501 | BLANK | 2407 | BLANK | 1801/14 | 3505/68 | 0401/9 | 0704/11 | | |
| 188 | 0803 | 1501 | 501 | BLANK | | | | | | | | | | | | | | |
| 189 | 0803 | 1501 | 501 | BLANK | 0102 | 0103 | 0601 | 0602 | | | 2407 | BLANK | 1801 | 3505 | 0401 | 0704 | | |
| 190 | 08 | 15 | 5 | BLANK | | | 06 | 06 | | | 24 | BLANK | 18 | 35 | 04 | 07 | | |
| 192 | 0803 | 1501 | 50101 | BLANK | | | 0601 | 0602 | 0501 | BLANK | 2407 | BLANK | 1801 | 3505 | 0401 | 0704 | | |
| 193 | 08 | 15 | | | | | | | | | 2407 | BLANK | 18 | 3505/72 | | | | |
| 194 | NT | NT | NT | NT | | | | | | | NT | NT | NT | NT | | | | |
| 195 | | | | | | | | | | | | | | | | | | |
| 197 | 0803 | 1501 | 501 | BLANK | 0102 | 0103 | 0601 | 0602 | 0501 | BLANK | 2407 | BLANK | 1801 | 3505 | 0401 | 0704 | | |
| 199 | 08 | 15 | 5 | BLANK | | | 06 | 06 | | | | | | | | | | |
| 201 | 0803 | 1501 | 50101 | BLANK | | | 0601 | 0602 | 0501 | BLANK | 2407 | BLANK | 1801 | 3505 | 0401 | 0704 | | |
| 203 | 0803 | 1501 | 5 | BLANK | | | 06 | 06 | | | 24 | BLANK | 18 | 35 | 04 | 07 | | |
| 204 | 0803 | 1501 | | | | | | | | | 2407 | BLANK | 1801 | 3505 | 0401 | 0704 | | |
| 205 | 0803 | 1501 | 501 | BLANK | 0102 | 0103 | 0601 | 0602 | 0501 | BLANK | 0202/4 | BLANK | 2407 | BLANK | 1801 | 3505 | 0401 | 0704 |
| 206 | 08 | 15 | | | | | | | | | 24 | BLANK | 18 | 35 | | | | |
| 207 | 0803 | 1501 | | | | | 0601 | 0602 | 0501 | BLANK | 2407 | BLANK | 1801 | 3505 | 0401 | 0704 | | |
| 208 | 08 | 15 | | | | | | | | | 24 | BLANK | 18 | 35 | | | | |
| 209 | 0803 | 1501 | 50101 | BLANK | 01 | 01 | 0601 | 0602 | | | 24 | BLANK | 18 | 35 | 04 | 07 | | |
| 210 | | | | | | | | | | | 2407 | BLANK | 18 | 3505 | 04 | 0704/11 | | |
| 211 | 0803 | 1501 | 501 | BLANK | 0102 | 0103 | 0601 | 0602 | 0501 | BLANK | 0202 | BLANK | 2407 | BLANK | 1801/17 | 3505 | 04 | 0704/11 |
| 212 | 080302 | 150101 | 5010101 | BLANK | | | 060101 | 060201 | 050101 | BLANK | 2407 | BLANK | 180101 | 3505 | 040101 | 070401 | | |
| 213 | 0803 | 1501 | | | | | | | | | | | 1801/17 | 3505 | 0401 | 0704 | | |
| 214 | | | | | | | | | | | 2407 | BLANK | 18 | 35 | 04 | 07 | | |
| 215 | NT | NT | NT | NT | | | | | | | | | | | | | | |
| 216 | 08 | 15 | | | | | 06 | 06 | | | 24 | BLANK | 18 | 35 | 04 | 07 | | |
| 218 | | | | | | | | | | | | | | | | | | |
| 219 | 0803 | 1501 | | | | | 06 | 06 | | | 24 | BLANK | 18 | 35 | | | | |
| 220 | 0803/10 | 1501 | | | | | | | | | 24 | BLANK | 18 | 35 | 04 | 07 | | |
| 221 | | | | | | | | | | | | | | | | | | |
| 222 | 08 | 15 | 501 | BLANK | | | 06 | 06 | | | 24 | BLANK | 18 | BLANK | | | | |
| 223 | | | | | | | | | | | | | | | | | | |
| 224 | | | | | | | | | | | | | | | | | | |
| 225 | 080101 | 150101 | 5010101 | BLANK | | | 060101 | 060101 | | | 2407 | BLANK | 180101 | 3505 | 04010101 | 070401 | | |
| 226 | 08 | 15 | 3 | 4 | | | 06 | 06 | | | 24 | BLANK | 18 | 35 | 04 | 07 | | |
| 227 | 0803 | 1501 | | | | | 0601 | 0602 | | | 2407 | BLANK | 1801 | 3505 | 0401 | 0704 | | |
| 230 | 0803 | 1501 | 50101 | BLANK | | | 0601 | 0602 | | | 2407 | BLANK | 1801 | 3505 | 0401 | 0704 | | |

DNA #597

| CENTER | DRB1 | DRB3/4/5 | DQA1 | DQB1 | DPB1 | DPA1 | A-Locus | B-Locus | C-Locus | | | | | | | |
|--------|---------|----------|---------|-------|--------|------|---------|---------|---------|-------|-------|-------|---------|---------|---------|---------|
| 239 | 0803/36 | 15 | 50101 | BLANK | 0102 | 0103 | 0601 | 06 | | 24 | BLANK | 18 | 35 | | | |
| 278 | 0803 | 1501 | 501 | BLANK | 0102 | 0103 | 0601 | 0602 | 0501 | BLANK | 2407 | BLANK | 1801/20 | 3505/72 | 0401/19 | 0704 |
| 291 | 08 | 15 | 501 | BLANK | 0102 | 0103 | 0601 | 0602 | | | 2407 | BLANK | 18 | 35 | 04 | 07 |
| 401 | | | | | | | | | | | 2407 | BLANK | 18 | 35 | 0401 | 0704 |
| 452 | 0803 | 1501 | 50101 | BLANK | | | 0601 | 0602 | 0501 | BLANK | 2407 | BLANK | 1801 | 3505 | 0401 | 0704 |
| 519 | 0803 | 1501 | | | | | 0601 | 0602 | 0501 | BLANK | | | | | | |
| 615 | 0803 | 1501 | 50101 | BLANK | 01 | 01 | 0601 | 0602 | 0501 | BLANK | 2407 | BLANK | 1801/17 | 3505 | 0401/30 | 0704/11 |
| 616 | 08 | 15 | | | | | | | | | | | | | | |
| 635 | 08 | 15 | 5 | BLANK | | | | 06 | 06 | | 24 | BLANK | 18 | 35 | 04 | 07 |
| 702 | 0803 | 1501 | 50101 | BLANK | 0102 | 0103 | 0601 | 0602 | 0501 | BLANK | 2407 | BLANK | 1801 | 3505 | 0401 | 0704 |
| 714 | 0803 | 1501 | | | | | 0601 | 0602 | | | 2407 | BLANK | 1801 | 3505 | 0401 | 0704 |
| 726 | 0803 | 1501 | 501 | BLANK | 01 | 01 | 0601 | 0602 | | | 2407 | BLANK | 1801 | 3505 | 0401 | 0704 |
| 732 | 080302 | 150101 | 5010101 | BLANK | | | 0601 | 0602 | | | 2407 | BLANK | 1801/17 | 3505 | 04 | 0704/11 |
| 743 | 08 | 15 | 5 | BLANK | | | 0601 | 0602 | | | 24 | BLANK | 18 | 35 | 04 | 07 |
| 805 | 0803 | 1501 | | | | | 0601 | 0602 | | | 2407 | BLANK | 18 | 35 | 04 | 0704/11 |
| 1018 | 0803 | 1501 | 5 | BLANK | 0102 | 0103 | | | | | 2407 | BLANK | 1801 | 3505 | 0401 | 0704 |
| 1113 | 0803/36 | 1501/32 | 50101 | BLANK | 0102 | 0103 | 0601 | 0602 | 0501 | BLANK | 2407 | BLANK | 1801/32 | 3505 | 0401 | 0704 |
| 1189 | 0803 | 1501 | 50101 | BLANK | | | 0601 | 0602 | 0501 | BLANK | 2407 | BLANK | 1801 | 3505 | 0401 | 0704 |
| 1212 | 0803 | 1501 | 50101 | BLANK | | | 0601 | 0602/33 | 0501 | BLANK | 2407 | BLANK | 1801 | 3505 | 0401 | 0704 |
| 1251 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| 1498 | 080302 | 1501 | 50101 | BLANK | 0102 | 0103 | 0601 | 0602 | | | 2407 | BLANK | 1801/17 | 3505 | 0401 | 0704/11 |
| 1647 | 08 | 15 | 5 | BLANK | | | 06 | 06 | 0501 | BLANK | 24 | BLANK | 18 | 35 | 04 | 07 |
| 1686 | 0803 | 1501 | 50101 | BLANK | 0102 | 0103 | 0601 | 0602 | 0501 | BLANK | 2407 | BLANK | 1801 | 3505 | 0401 | 0704 |
| 1905 | 0803 | 1501 | 50101 | BLANK | | | 0601 | 0602 | 0501 | BLANK | 2407 | BLANK | 1801 | 3505 | 0401 | 0704 |
| 2004 | 080302 | 1501 | 50101 | BLANK | 0102 | 0103 | 0601 | 0602 | | | 2407 | BLANK | 1801 | 3505 | 0401 | 0704 |
| 2013 | 0803 | 1501 | 501 | BLANK | | | 0601 | 0602 | | | 24 | BLANK | 18 | 35 | 04 | 07 |
| 2015 | | | | | | | | | | | 2407 | BLANK | 1801 | 3505 | 0401 | 0704 |
| 2019 | 0803 | 1501 | 50101 | BLANK | | | 0601 | 0602 | 0501 | BLANK | 2407 | BLANK | 1801 | 3505 | 0401 | 0704 |
| 2063 | 0803/36 | 1501/24 | 501 | BLANK | 0102 | 0103 | 0601 | 0602 | | | | | | | | |
| 2347 | 08 | 15 | 5 | BLANK | | | 06 | 06 | | | 24 | BLANK | 18 | 35 | 04 | 07 |
| 2411 | 08 | 15 | | | | | | | | | 24 | BLANK | 18 | 35 | | |
| 2518 | 08 | 15 | 501 | BLANK | | | 06 | 06 | | | 24 | BLANK | 18 | 35 | 04 | 07 |
| 2549 | 0803 | 1501 | 50101 | BLANK | 0102 | 0103 | 0601 | 0602 | 0501 | BLANK | 2407 | BLANK | 1801 | 3505 | 0401/30 | 0704 |
| 3248 | | | | | | | | | | | | | | | | |
| 3261 | 0803 | 1501 | | | | | 0601 | 0602 | | | 2407 | BLANK | 1801 | 3505 | 0401 | 0704 |
| 3264 | 0803 | 1501 | 50101 | BLANK | 0102 | 0103 | 0601 | 0602 | 0501 | BLANK | 2407 | BLANK | 1801 | 3505 | 0401 | 0704 |
| 3324 | 0803 | 1501 | 501 | BLANK | 0102/6 | 0103 | 0601 | 0602 | 0501 | BLANK | 2407 | BLANK | 1801 | 3505 | 0401 | 0704/11 |
| 3325 | 0803 | 1501 | 50101 | BLANK | | | 0601 | 0613 | | | 2407 | BLANK | 1801 | 3505 | 0401 | 0704 |
| 3410 | 0803 | 1501 | | | | | 0601 | 0602 | | | 2407 | BLANK | 1801 | 3505 | 0401 | 0704 |
| 3438 | 0803 | 1501 | | | | | 0601 | 0602 | | | | | | | | |
| 3522 | 0803 | 1501 | | | 0103 | 0103 | 0601 | 0602 | | | 2407 | BLANK | 1801 | 3505 | 0401 | 0704 |
| 3548 | 0803/26 | 1501 | 50101 | BLANK | | | 0601 | 0602 | | | 2407 | BLANK | 1801 | 3505 | 0401 | 0712 |
| 3582 | 0803 | 1501 | 50101 | BLANK | NT | NT | 0601 | 0602 | 0501 | BLANK | 2407 | BLANK | 18 | 3505 | 04 | 0704/11 |
| 3600 | 08 | 15 | 5 | BLANK | | | 06 | 06 | | | 24 | BLANK | 18 | 35 | 04 | 07 |
| 3614 | 0803 | 1501 | | | | | 0601 | 0602 | | | 2407 | BLANK | 1801 | 3505 | 0401 | 0704 |
| 3625 | 0803/14 | 1501 | 501 | BLANK | 0102 | 0103 | 0601 | 0602 | 05 | BLANK | 24 | BLANK | 18 | 35 | 04 | 07 |
| 3807 | 0803/10 | 1501 | 5 | BLANK | 01 | 0103 | 0601 | 0602/33 | 05 | BLANK | 2407 | BLANK | 1801 | 3532 | 0401 | 0704 |
| 3849 | 0803 | 1501 | 50101 | BLANK | 0102 | 0103 | 0601 | 0602 | | | 2407 | BLANK | 18 | 35 | 04 | 07 |
| 4237 | 0803 | 1501 | 50101 | BLANK | | | 0601 | 0602 | | | 2407 | BLANK | 1801 | 3505 | 0401 | 0704 |
| 4281 | | | | | | | | | | | | | | | | |
| 4336 | 0803 | 1501 | | | | | 0601 | 0602 | | | 2407 | BLANK | 1801/17 | 3505 | 04 | 0704/11 |
| 4420 | 0803 | 1501/2 | | | | | | | | | 2407 | BLANK | 1802 | 3505 | 0401/7 | 0704 |
| 4545 | 0803 | 1501 | 501 | BLANK | 0102 | 0103 | 0601 | 0602 | 0501 | BLANK | 2407 | BLANK | 1801/17 | 3505 | 04 | 0704/11 |
| 4551 | 0803 | 1501 | NT | NT | | | 06 | 06 | NT | NT | 24 | BLANK | 18 | 35 | 04 | 07 |
| 4582 | 0803 | 1501 | 50101 | BLANK | 0102 | 0103 | 0601 | 0602 | | | 2407 | BLANK | 1801 | 3505 | 0401 | 0704 |
| 4585 | 08 | 15 | | | | | 0601 | 06 | | | 24 | BLANK | 18 | 35 | 04 | 07 |
| 4613 | | | | | | | | | | | 2407 | BLANK | 1801 | 3505 | 0401 | 0704 |
| 4623 | | | | | | | | | | | | | | | | |
| 4653 | 0803 | 1501 | | | | | 0601 | 0602 | | | 2407 | BLANK | 18 | 3505 | 04 | 07 |
| 4709 | 0803 | 1501 | 50101 | BLANK | 0102 | 0103 | 0601 | 0602/33 | 0501 | BLANK | 2407 | BLANK | 1801 | 3505 | 0401 | 0704/63 |
| 5204 | | | | | | | | | | | 24 | BLANK | 18 | 35 | 04 | 07 |
| 5365 | 0803 | 1501 | 50101 | BLANK | 0102 | 0103 | 0601 | 0602 | | | 24 | BLANK | 18 | 35 | 04 | 07 |
| 5720 | 0803 | 1501 | 50101 | BLANK | | | 0601 | 0602 | 0501 | BLANK | 2407 | BLANK | 1801 | 3505 | 0401/30 | 0704 |
| 5982 | 0803/14 | 150101 | | | | | 060101 | 060201 | 0501 | BLANK | 2407 | BLANK | 1801/17 | 3505 | 0401/30 | 070401 |
| 6051 | 0803 | 1501 | 501 | BLANK | | | 0601 | 0602/33 | 0501 | BLANK | 2407 | BLANK | 18 | 35 | 04 | 0704/11 |
| 6313 | 08 | 15 | | | | | 0601 | 0602 | | | 24 | BLANK | 18 | 35 | 04 | 07 |
| 9221 | 08 | 15 | 5 | BLANK | | | 06 | 06 | | | 24 | BLANK | 18 | 35 | 04 | 07 |

DNA #598

| CENTER | DRB1 | DRB3/4/5 | DQA1 | DQB1 | DPB1 | DPA1 | A-Locus | B-Locus | C-Locus | | | |
|--------|--------|----------|-----------|-----------|-----------|-----------------|----------|---------|---------|--------|----------|----------|
| 7 | 04 | 13 | 303 | 401 | 01 03 | 03 06 | 01 | 25 | 51 | 57 | 06 | 12 |
| 16 | 040701 | 130201 | 30301 | 40103 | 0102 03 | 0301/13 0604/17 | 010101 | 250101 | 510101 | 570101 | 060201 | 120301 |
| 61 | | | | | | | | | | | | |
| 80 | 04 | 13 | 3 | 4 | | 03 06 | 01 | 25 | 51 | 57 | 06 | 12 |
| 124 | 0407 | 1302 | 30301 | 401 | 0102 03 | 0301/19 0604/34 | 01 | 2501 | 51 | 5701 | 0602 | 1203 |
| 131 | 04 | 13 | 3 | 4 | | 03 06 | 01 | 25 | 51 | 57 | 06 | 12 |
| 134 | 0407 | 1302 | 30301 | 40103 | | 0301 0604 | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 138 | 0407 | 1302 | | | | 0301 0604 | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 139 | 04 | 1302/73 | 303 | 401 | | | 01 | 2501/6 | 51 | 57 | | |
| 142 | 04 | 13 | 303 | 401 | | 0301 06 | 01 | 25 | 51 | 57 | | |
| 144 | 0407 | 1302 | | | | 0301 0604 | 0101 | 2501 | 5101 | 5701 | 0602/11 | 1203/4 |
| 147 | 0407 | 1302 | 30301 | 40103 | 0102 0303 | 0301 0604 | 01 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 148 | 0407 | 13 | | | | 03 06 | 01 | 2501/5 | 51 | 57 | 06 | 12 |
| 151 | 040701 | 130201 | 3 | 4 | | 0301 0604 | 010101 | 250101 | 5101 | 5701 | 060201 | 120301 |
| 152 | | | | | | | | | | | | |
| 153 | 04 | 13 | 3 | 4 | | 03 06 | 01 | 25 | 51 | 57 | 06 | 12 |
| 155 | | | | | | | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 156 | 0407 | 1302 | | | | 0301 0604 | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 158 | 0407 | 1302 | 30301 | 40103 | | 0301 0604 | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 160 | 0407 | 1302 | 30301 | 40103 | | 0301 0604 | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 162 | 040701 | 130201 | | | | 030101 060401 | 010101 | 250101 | 5101 | 570101 | 060201 | 12030101 |
| 163 | | | | | | | | | 5101 | 5701 | 0602 | 1203 |
| 164 | 04 | 13 | | | | | 01 | 25 | 51 | 57 | | |
| 166 | | | | | | | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 167 | 040701 | 130201 | | | | 030101 060401 | 010101 | 250101 | 510101 | 570101 | 060201 | 120301 |
| 168 | 04 | 13 | | | | | 01 | 25 | 51 | 57 | | |
| 170 | 0407 | 1302 | 30301 | 40103 | | 0301 060401 | 01 | 25 | 51 | 57 | 06 | 12 |
| 171 | 0407 | 1302 | 30301 | 40103 | | 0301 0604 | 01 | 25 | 51 | 57 | 06 | 12 |
| 173 | 0407 | 1302/67 | | | 0102 03 | 03 0604 | 01 | 25 | 51 | 57 | | |
| 174 | 0407 | 13 | | | | | 01 | 2501/5 | 51 | 57 | | |
| 175 | 0407 | 1302 | | | | 0301 0604 | 0101 | 2501 | 5101 | 5701 | 06 | 12 |
| 176 | 0407 | 1302 | | | | | 0101 | 2501 | 5101 | 5701 | | |
| 179 | 040701 | 130201 | 3 | 401 | 0102 03 | 03 06 | 01 | 250101 | 51 | 5701/3 | 0602/11 | 1203/4 |
| 180 | 0407 | 1302 | 30301 | 40103 | 0102 0303 | 0301 0604 | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 185 | 040701 | 130201 | | | | 0301/19 0604/34 | 01 | 2501/7 | 51 | 570101 | 0602 | 1203 |
| 186 | 0407 | 1302 | 30301 | 40103 | 0102 0303 | 0301 0604 | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 187 | 0407 | 1302 | | | | 0301 0604 | 0101 | 2501 | 5101/37 | 5701/3 | 0602/11 | 1203/4 |
| 188 | 0407 | 1302 | 303 | 401 | | | | | | | | |
| 189 | 0407 | 1302 | 30301 | 401 | 0102 03 | 0301 0604 | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 190 | 04 | 13 | 3 | 4 | | 03 06 | 01 | 25 | 51 | 57 | 06 | 12 |
| 192 | 0407 | 1302 | 30301 | 40103 | | 0301 0604 | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 193 | 0407 | 13 | | | | | 01 | 2501/5 | 51 | 57 | | |
| 194 | NT | NT | NT | NT | | | NT | NT | NT | NT | | |
| 195 | | | | | | | | | | | | |
| 197 | 0407 | 1302 | 30301 | 401 | 0102 0303 | 0301 0604 | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 199 | 04 | 13 | 3 | 4 | | 03 06 | | | | | | |
| 201 | 0407 | 1302 | 30301 | 40103 | | 0301 0604 | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 203 | 0407 | 1302 | 3 | 4 | | 03 06 | 01 | 25 | 51 | 57 | 06 | 12 |
| 204 | 0407 | 1302 | | | | | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 205 | 0407 | 1302 | 30301 | 401 | 0102 0303 | 0301 0604 | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 206 | 04 | 13 | | | | | 01 | 25 | 51 | 57 | | |
| 207 | 0407 | 1302 | | | | 0301 0604 | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 208 | 04 | 13 | | | | | 01 | 25 | 51 | 57 | | |
| 209 | 0407 | 1302 | 30301 | 40103 | 01 03 | 0301 0604 | 01 | 25 | 51 | 57 | 06 | 12 |
| 210 | | | | | | | 01 | 250101 | 51 | 570101 | 0602 | 120301 |
| 211 | 0407 | 1302 | 30301 | 401 | 0102 03 | 0301 0604 | 0101 | 2501 | 51 | 5701 | 0602/11 | 1203/4 |
| 212 | 040701 | 130201 | 30301 | 401 | | 03 06 | 01010101 | 250101 | 510101 | 570101 | 060201 | 120301 |
| 213 | 0407 | 1302 | | | | | | | 5101/37 | 5701/3 | 0602/11 | 1203/4 |
| 214 | | | | | | | 01 | 25 | 51 | 57 | 06 | 12 |
| 215 | 04 | 13 | 3 | 4 | | | | | | | | |
| 216 | 04 | 13 | | | | 03 06 | 01 | 25 | 51 | 57 | 06 | 12 |
| 218 | | | | | | | | | | | | |
| 219 | 0407 | 1302 | | | | 03 06 | 01 | 25 | 51 | 57 | | |
| 220 | 0407 | 1302 | | | | | 01 | 25 | 51 | 57 | 06 | 12 |
| 221 | | | | | | | | | | | | |
| 222 | 04 | 13 | 301 | 401 | | 03 06 | 01 | 25 | 51 | 57 | | |
| 223 | | | | | | | | | | | | |
| 224 | | | | | | | | | | | | |
| 225 | 040101 | 130301 | 301010201 | 401010101 | | 030101 060101 | 01010101 | 250101 | 510101 | 570101 | 06020101 | 120203 |
| 226 | 04 | 13 | 3 | 4 | | 03 06 | 01 | 25 | 51 | 57 | 06 | 12 |
| 227 | 0407 | 1302 | | | | 0301 0604 | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 230 | 0407 | 1302 | 30301 | 40103 | | 0301/22 0604 | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |

DNA #598

| CENTER | DRB1 | DRB3/4/5 | DQA1 | DQB1 | DPB1 | DPA1 | A-Locus | B-Locus | C-Locus | | | | | | | |
|--------|---------|----------|-------|---------|------|------|---------|---------|---------|--------|---------|--------|---------|---------|---------|---------|
| 239 | 0407 | 1302/73 | 30301 | 40103 | 0102 | 0303 | 03 | 0604/34 | | 01 | 25 | 51 | 57 | | | |
| 278 | 0407 | 1302/73 | 30301 | 40103 | 0102 | 03 | 0301/22 | 0604/34 | 0201 | 0301 | 0101/11 | 2501 | 5101 | 5701 | 06 | 1203/11 |
| 291 | 0407/74 | 13 | 30301 | 401 | 0102 | 0303 | 03 | 06 | | | 01 | 25 | 51 | 57 | 06 | 12 |
| 401 | | | | | | | | | | | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 452 | 0407 | 1302 | 30301 | 40103 | | | 0301 | 0604 | 0201 | 0301 | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 519 | 0407 | 1302 | | | | | 0301 | 0604 | 0201 | 0301 | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 615 | 0407 | 1302 | 30301 | 401 | 01 | 03 | 0301/19 | 0604/34 | 0201 | 0301 | | | | | | |
| 616 | 04 | 13 | | | | | | | | | | | | | | |
| 635 | 04 | 13 | 3 | 4 | | | 03 | 06 | | | 01 | 25 | 51 | 57 | 06 | 12 |
| 702 | 0407 | 1302 | 30301 | 40103 | 0102 | 03 | 0301 | 0604 | 0201 | 0301 | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 714 | 0407 | 1302 | | | | | 0301 | 0604 | | | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 726 | 0407 | 1302 | 303 | 401 | 01 | 03 | 0301 | 0604 | | | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 732 | 040701 | 130201 | 30301 | 4010301 | | | 0301/19 | 0604/34 | | | 010101 | 250101 | 510101 | 570101 | 0602/11 | 1203/4 |
| 743 | 04 | 13 | 3 | 4 | | | 0301 | 0604 | | | 01 | 25 | 51 | 57 | 06 | 12 |
| 805 | 0407 | 1302 | | | | | 03 | 0604/34 | | | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 1018 | 0407 | 1302 | 3 | 4 | 0102 | 0303 | | | | | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 1113 | 0407 | 1302 | 30301 | 40103 | 0102 | 03 | 0301/24 | 0604 | 0201 | 0301 | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 1189 | 0407 | 1302 | 30301 | 40103 | | | 0301 | 0604 | 0201 | 0301 | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 1212 | 0407 | 1302 | 30301 | 40103 | | | 0301/19 | 0604 | 0201 | 0301 | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 1251 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| 1498 | 0407 | 1302 | 30301 | 40103 | 0102 | 0303 | 0301 | 0604 | | | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 1647 | 04 | 13 | 3 | 4 | | | 07 | 06 | 0201 | 0301 | 01 | 25 | 51 | 57 | 06 | 12 |
| 1686 | 0407 | 1302 | 30301 | 40103 | 0102 | 0303 | 0301 | 0604 | 0201 | 0301 | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 1905 | 0407 | 1302 | 30301 | 40103 | | | 0301 | 0604 | 0201 | 0301 | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 2004 | 0407 | 1302 | 30301 | 40103 | 0102 | 0303 | 0301 | 0604 | | | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 2013 | 0407 | 1302 | 303 | 401 | | | 0301 | 0604 | | | 01 | 25 | 51 | 57 | 06 | 12 |
| 2015 | | | | | | | | | | | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 2019 | 0407 | 1302 | 30301 | 40103 | | | 0301 | 0604 | 0201 | 0301 | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 2063 | 0407 | 1302/73 | 30301 | 401 | 0102 | 03 | 03 | 06 | | | | | | | | |
| 2347 | 04 | 13 | 3 | 4 | | | 03 | 06 | | | 01 | 25 | 51 | 57 | 06 | 12 |
| 2411 | 04 | 13 | | | | | | | | | 01 | 25 | 51 | 57 | | |
| 2518 | 04 | 13 | 303 | 401 | | | 03 | 06 | | | 01 | 25 | 51 | 57 | 06 | 12 |
| 2549 | 0407 | 1302 | 30301 | 40103 | 0102 | 0303 | 03 | 0604/34 | 0201 | 0301 | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 3248 | | | | | | | | | | | | | | | | |
| 3261 | 0407 | 1302 | | | | | 0301 | 0604 | | | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 3264 | 0407 | 1302 | 30301 | 40103 | 0102 | 03 | 0301 | 0604 | 0201 | 0301 | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 3324 | 0407 | 1302 | 303 | 401 | 0102 | 0301 | 0301 | 0604 | 0201 | 0301 | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 3325 | 0407 | 1302 | 30301 | 40103 | | | 0301 | 0604 | | | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 3410 | 0407 | 1302 | | | | | 0301 | 0604 | | | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 3438 | 0407 | 1302 | | | | | 0301 | 0604 | | | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 3522 | 0407 | 1302 | | | 0102 | 0303 | 0301 | 0604 | | | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 3548 | 0407 | 1302/73 | 30301 | 40103 | | | 0301 | 0604 | | | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 3582 | 0407 | 1302 | 30301 | 401 | NT | NT | 0301/19 | 0604/34 | 0201 | 0301 | 0101 | 2501 | 5101/37 | 5701/3 | 0602/11 | 1203/4 |
| 3600 | 04 | 13 | 3 | 4 | | | 03 | 06 | | | 01 | 25 | 51 | BLANK | 06 | 12 |
| 3614 | 0407 | 1302 | | | | | 0301 | 0604 | | | 0101 | 2501 | 5101 | 5701 | 0602/10 | 1203 |
| 3625 | 0407 | 1302 | 30301 | 401 | 0102 | 03 | 0301 | 0604 | 0201 | 0301 | 01 | 25 | 5101/37 | 5701/3 | 06 | 12 |
| 3807 | 0407 | 1302 | 3 | 4 | 0102 | 0303 | 03 | 0604 | 02 | 03 | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 3849 | 0407 | 1302 | 303 | 401 | 0102 | 03 | 0301 | 0604 | | | 01 | 250101 | 51 | 57 | 06 | 12 |
| 4237 | 0407 | 1302 | 30301 | 40103 | | | 0301 | 0604 | | | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 4281 | | | | | | | | | | | | | | | | |
| 4336 | 0407 | 1302 | | | | | 0301 | 0604 | | | 0101 | 2501 | 5101/37 | 5701/3 | 0602/11 | 1203/4 |
| 4420 | 0407 | 1302/31 | | | | | | | | | 0101 | 2501 | 5101 | 5701/3 | 0602 | 1203 |
| 4545 | 0407 | 1302 | 30301 | 401 | 0102 | 03 | 0301 | 0604 | 0201 | 0301 | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 4551 | 0407 | 1302 | NT | NT | | | 03 | 06 | NT | NT | 01 | 25 | 51 | 57 | 06 | 12 |
| 4582 | 0407 | 1302 | 30301 | 401 | 0102 | 03 | 0301 | 060401 | | | 0101 | 2501/7 | 5101 | 5701 | 0602 | 1203 |
| 4585 | 04 | 13 | | | | | 03 | 06 | | | 01 | 25 | 51 | 57 | 06 | 12 |
| 4613 | | | | | | | | | | | 0101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 4623 | | | | | | | | | | | | | | | | |
| 4653 | 0407 | 1302 | | | | | 0301 | 0604 | | | 01 | 25 | 5101 | 5701 | 0602 | 1203 |
| 4709 | 0407 | 1302 | 30301 | 40103 | 0102 | 0303 | 0301/19 | 0604/34 | 0201 | 0301 | 0101 | 2501/7 | 5101/55 | 5701/18 | 0602/18 | 1203 |
| 5204 | | | | | | | | | | | 01 | 25 | 51 | 57 | 06 | 12 |
| 5365 | 0407 | 1302 | 30301 | 40103 | 0102 | 03 | 0301 | 0604 | | | 01 | 25 | 51 | 5701 | 06 | 12 |
| 5720 | 0407 | 1302 | 30301 | 40103 | | | 0301 | 0604 | 0201 | 0301 | 010101 | 2501 | 5101 | 5701 | 0602 | 1203 |
| 5982 | 040701 | 130201 | | | | | 030101 | 060401 | 020102 | 030101 | 010101 | 250101 | 510101 | 570101 | 060201 | 120301 |
| 6051 | 0407 | 1302 | 30301 | 401 | | | 0301 | 0604 | 0201 | 0301 | 01 | 2501/5 | 51 | 57 | 06 | 12 |
| 6313 | 04 | 13 | | | | | 03 | 0604/17 | | | 01 | 25 | 51 | 57 | 06 | 12 |
| 9221 | 04 | 13 | 3 | 4 | | | 03 | 06 | | | 01 | 25 | 51 | 57 | 06 | 07 |

DNA #599

| CENTER | DRB1 | | DRB3/4/5 | | DQA1 | | DQB1 | | DPB1 | | DPA1 | | A-Locus | | B-Locus | | C-Locus | | |
|--------|--------|---------|-----------|-----------|------|------|--------|--------|--------|------|---------|-------|----------|---------|---------|---------|---------|-----------|----|
| 7 | 03 | 04 | 301 | 401 | 03 | 05 | 02 | 03 | | | | | 01 | 31 | 08 | 15 | 01 | 07 | |
| 16 | 030101 | 0404 | 30101 | 40103 | 0301 | 0501 | 0201/3 | 0302 | 020102 | 0402 | | | 010101 | 310102 | 080101 | 1515 | 010201 | 070101/18 | |
| 61 | | | | | | | | | | | | | | | | | | | |
| 80 | 03 | 04 | 3 | 4 | | | 02 | 03 | | | | | 01 | 31 | 08 | 15 | 01 | 07 | |
| 124 | 0301 | 0404 | 30101 | 401 | 0301 | 0501 | 0201 | 0302 | 0201 | 0402 | | | 01 | 31 | 0801/19 | 1515 | 0102 | 07 | |
| 131 | 03 | 04 | 3 | 4 | | | 02 | 03 | | | | | 01 | 31 | 08 | 15 | 01 | 07 | |
| 134 | 0301 | 0404 | 30101 | 40103 | | | 0201 | 0302 | 0201 | 0402 | | | 0101 | 3101 | 0801 | 1515 | 0102 | 0701 | |
| 138 | 0301 | 0404 | | | | | 0201 | 0302 | | | | | 0101 | 3101 | 0801 | 1515 | 0102 | 0701 | |
| 139 | 03 | 04 | 301 | 401 | | | | | | | | | 01 | 31 | 08 | 1515 | | | |
| 142 | 0301 | 04 | 301 | 401 | | | 02 | 0302 | | | | | 01 | 31 | 08 | 15 | | | |
| 144 | 0301 | 0404 | | | | | 0201 | 0302 | | | | | 0101 | 3101 | 0801 | 1515 | 0102 | 07 | |
| 147 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | | NT | NT | NT | NT | NT | NT | |
| 148 | 03 | 04 | | | | | 0201 | 03 | | | | | 01 | 31 | 08 | 15 | 01 | 07 | |
| 151 | 030101 | 0404 | 3 | 4 | | | 0201 | 0302 | | | | | 010101 | 310102 | 0801 | 1515 | 0102/17 | 0701/40 | |
| 152 | | | | | | | | | | | | | | | | | | | |
| 153 | 03 | 04 | 3 | 4 | | | 02 | 03 | | | | | 01 | 31 | 08 | 15 | 01 | 07 | |
| 155 | | | | | | | | | | | | | 0101 | 3101 | 0801 | 1515 | 0102 | 0701 | |
| 156 | 0301 | 0404 | | | | | 0201 | 0302 | | | | | 0101 | 3101 | 0801 | 1515 | 0102 | 0701 | |
| 158 | 0301 | 0404 | 30101 | 40103 | | | 0201 | 0302 | 0201 | 0402 | | | 0101 | 3101 | 0801 | 1515 | 0102 | 0701 | |
| 160 | 0301 | 0404 | 30101 | 40103 | | | 0201 | 0302 | | | | | 0101 | 3101 | 0801 | 1515 | 0102 | 0701 | |
| 162 | 030101 | 0404 | | | | | 0201 | 030201 | | | | | 010101 | 310102 | 080101 | 1515 | 0102 | 0701 | |
| 163 | | | | | | | | | 0201 | 0402 | | | | | | 0801 | 1515 | 0102 | 07 |
| 164 | 03 | 04 | | | | | | | | | | | 01 | 31 | 08 | 15 | | | |
| 166 | | | | | | | | | | | | | 0101 | 3101 | 0801 | 1515 | 0102 | 0701 | |
| 167 | 030101 | 0404 | | | | | 020101 | 030201 | | | | | 010101 | 310102 | 080101 | 1515 | 010201 | 070101 | |
| 168 | 03 | 04 | | | | | | | | | | | 01 | 31 | 08 | 15 | | | |
| 170 | 0301 | 0404 | 30101 | 40103 | | | 0201 | 0302 | | | | | 01 | 31 | 08 | 15 | 01 | 07 | |
| 171 | 0301 | 0404 | 30101 | 40103 | | | 0201 | 0302 | | | | | 01 | 31 | 08 | 15 | 01 | 07 | |
| 173 | 0301/6 | 0404/42 | | | 03 | 05 | 02 | 0302 | | | | | 01 | 31 | 08 | 15 | | | |
| 174 | 03 | 04 | | | | | | | | | | | 01 | 31 | 08 | 15 | | | |
| 175 | 0301 | 0404 | | | | | 0201 | 0302 | | | | | 0101 | 3101 | 0801 | 1515 | 01 | 07 | |
| 176 | 0301 | 0404 | | | | | | | | | | | 0101 | 3101 | 0801 | 1515 | | | |
| 179 | 0301/6 | 0404/42 | 3 | 401 | 03 | 05 | 02 | 0302 | | | | | 01 | 31 | 08 | 1508/15 | 0102/17 | 07 | |
| 180 | 0301 | 0404 | 30101 | 40103 | 0301 | 0501 | 0201 | 0302 | 0201 | 0402 | | | 0101 | 3101 | 0801 | 1515 | 0102 | 0701 | |
| 185 | 030101 | 0404 | | | | | 020101 | 030201 | | | | | 01 | 31 | 0801/19 | 1515 | 01 | 07 | |
| 186 | 0301 | 0404 | 30101 | 40103 | 0301 | 0501 | 0201 | 0302 | 0201 | 0402 | | | 0101 | 3101 | 0801 | 1515 | 0102 | 0701 | |
| 187 | 0301/6 | 0404/42 | | | | | 0201 | 0302 | NT | NT | | | 0101 | 3101 | 0801/4 | 1508/15 | 0102 | 0701/6 | |
| 188 | 0301 | 0404 | 301 | 401 | | | | | | | | | | | | | | | |
| 189 | 0301 | 0404 | 30101 | 401 | 0301 | 0501 | 0201 | 0302 | | | | | 0101 | 3101 | 0801 | 1515 | 0102 | 0701 | |
| 190 | 03 | 04 | 3 | 4 | | | 02 | 03 | | | | | 01 | 31 | 08 | 15 | 01 | 07 | |
| 192 | 0301 | 0404 | 30101 | 40103 | | | 0201 | 0302 | 0201 | 0402 | | | 0101 | 3101 | 0801 | 1515 | 0102 | 0701 | |
| 193 | 03 | 04 | | | | | | | | | | | 01 | 31 | 08 | 1508/15 | | | |
| 194 | NT | NT | NT | NT | | | | | | | | | NT | NT | NT | NT | | | |
| 195 | | | | | | | | | | | | | | | | | | | |
| 197 | 0301 | 0404 | 301 | 401 | 0301 | 0501 | 0201 | 0302 | 0201 | 0402 | | | 0101 | 3101 | 0801 | 1515 | 0102 | 0701 | |
| 199 | 03 | 04 | 3 | 4 | | | 02 | 03 | | | | | | | | | | | |
| 201 | 0301 | 0404 | 30101 | 40103 | | | 0201 | 0302 | 0201 | 0402 | | | 0101 | 3101 | 0801 | 1515 | 0102 | 0701 | |
| 203 | 0301 | 0404 | 3 | 4 | | | 02 | 03 | | | | | 01 | 31 | 08 | 15 | 01 | 07 | |
| 204 | 0301 | 0404 | | | | | | | | | | | 0101 | 3101 | 0804 | 1508 | 0102 | 0701 | |
| 205 | 0301 | 0404 | 301 | 401 | 0301 | 0501 | 0201 | 0302 | 0201 | 0402 | 0103/10 | BLANK | 0101 | 3101 | 0801 | 1515 | 0102 | 0701 | |
| 206 | 03 | 04 | | | | | | | | | | | 01 | 31 | 08 | 15 | | | |
| 207 | 0301 | 0404 | | | | | 0201 | 0302 | 0201 | 0402 | | | 0101 | 3101 | 0801 | 1515 | 0102 | 0701 | |
| 208 | 03 | 04 | | | | | | | | | | | 01 | 31 | 08 | 15 | | | |
| 209 | 0301 | 0404 | 30101 | 40103 | 03 | 05 | 0201 | 0302 | | | | | 01 | 31 | 08 | 15 | 01 | 07 | |
| 210 | | | | | | | | | | | | | 01 | 3101/14 | 0801/19 | 1515 | 0102 | 07 | |
| 211 | 0301 | 0404 | 301 | 401 | 0301 | 0501 | 0201 | 0302 | 0201 | 0402 | 01 | BLANK | 0101 | 3101 | 0801/19 | 1515 | 0102/17 | 07 | |
| 212 | 030101 | 0404 | 3010102 | 401 | | | 020101 | 030201 | NT | NT | | | 01010101 | 310102 | 080101 | 1515 | 010201 | 070101 | |
| 213 | 0301 | 0404 | | | | | | | | | | | | | 0801 | 1508 | 0102 | 0701/18 | |
| 214 | | | | | | | | | | | | | 01 | 31 | 08 | 15 | 01 | 07 | |
| 215 | NT | NT | NT | NT | | | | | | | | | | | | | | | |
| 216 | 03 | 04 | | | | | 02 | 03 | | | | | 01 | 31 | 08 | 15 | 01 | 07 | |
| 218 | | | | | | | | | | | | | | | | | | | |
| 219 | 0301 | 0404 | | | | | 02 | 03 | | | | | 01 | 31 | 08 | 15 | | | |
| 220 | 0301 | 0404 | | | | | | | | | | | 01 | 31 | 08 | 15 | 01 | 07 | |
| 221 | | | | | | | | | | | | | | | | | | | |
| 222 | 03 | 04 | 301 | 401 | | | 02 | 03 | | | | | 01 | 31 | 08 | 15 | | | |
| 223 | | | | | | | | | | | | | | | | | | | |
| 224 | | | | | | | | | | | | | | | | | | | |
| 225 | 030101 | 040101 | 301010201 | 401010101 | | | 020101 | 030201 | | | | | 01010101 | 310102 | 0813 | 150104 | 010201 | 070101 | |
| 226 | 03 | 04 | 3 | 4 | | | 02 | 03 | | | | | 01 | 31 | 08 | 15 | 01 | 07 | |
| 227 | 0301 | 0404 | | | | | 0201 | 0302 | | | | | 0101 | 3101 | 0801 | 1515 | 0102 | 0701 | |
| 230 | 0301 | 0404 | 30101 | 40103 | | | 0201 | 0302 | | | | | 0101 | 3101 | 0801 | 1515 | 0102/17 | 0701 | |

DNA #599

| CENTER | DRB1 | DRB3/4/5 | DQA1 | DQB1 | DPB1 | DPA1 | A-Locus | B-Locus | C-Locus | | | | | |
|--------|---------|----------|-------|---------|--------|------|---------|---------|---------|---------|---------|---------|---------|---------|
| 239 | 03 | 0404 | 301 | 40103 | 0301 | 0501 | 0201/5 | 0302 | 01 | 31 | 08 | 15 | | |
| 278 | 0301/13 | 0404 | 30101 | 40103 | 0301 | 0501 | 0201/5 | 0302 | 0101/11 | 3101/14 | 0801 | 1515 | 01 | 07 |
| 291 | 03 | 04 | 301 | 401 | 0301 | 0501 | 02 | 0302 | 01 | 31 | 08 | 15 | 01 | 07 |
| 401 | | | | | | | | | 0101 | 3101 | 0801 | 1515 | 0102/17 | 0701/40 |
| 452 | 0301 | 0404 | 30101 | 40103 | | | 0201 | 0302 | 0101 | 3101 | 0801 | 1515 | 0102 | 0701 |
| 519 | 0301 | 0404 | | | | | 0201 | 0302 | 0101 | 3101 | 0801 | 1515 | 0102 | 07 |
| 615 | 0301 | 0404 | 30101 | 401 | 03 | 05 | 0201 | 0302 | 0201 | 0402 | | | | |
| 616 | 03 | 04 | | | | | | | | | | | | |
| 635 | 03 | 04 | 3 | 4 | | | 02 | 03 | 01 | 31 | 08 | 15 | 01 | 07 |
| 702 | 0301 | 0404 | 30101 | 40103 | 0301 | 0501 | 0201 | 0302 | 0101 | 3101 | 0801 | 1515 | 0102 | 0701 |
| 714 | 0301 | 0404 | | | | | 0201 | 0302 | 0101 | 3101 | 0801 | 1515 | 0102 | 0701 |
| 726 | 0301 | 0404 | 301 | 401 | 03 | 05 | 0201 | 0302 | 0101 | 3101 | 0801 | 1515 | 0117 | 0701 |
| 732 | 030101 | 0404 | 30101 | 4010301 | | | 0201 | 0302 | 010101 | 310102 | 080101 | 1515 | 010201 | 07 |
| 743 | 03 | 04 | 3 | 4 | | | 0201 | 0302 | NT | NT | NT | NT | NT | NT |
| 805 | 0301 | 0404 | | | | | 0201 | 0302 | 0101 | 3101 | 0801 | 1515 | 0102 | 07 |
| 1018 | 0301 | 0404 | 3 | 4 | 0301 | 0501 | | | 0101 | 3101 | 0801 | 1515 | 0102 | 0701 |
| 1113 | 0301 | 0404 | 301 | 40103 | 0301 | 0501 | 0201 | 0302 | 0101 | 3101/24 | 0801/36 | 1515 | 0102 | 0701 |
| 1189 | 0301 | 0404 | 30101 | 40103 | | | 0201 | 0302 | 0101 | 3101/17 | 0801 | 1515 | 0102 | 0701 |
| 1212 | 0301 | 0404 | 30101 | 40103 | | | 0201 | 0302 | 0101 | 3101 | 0801 | 1515 | 0102 | 0701 |
| 1251 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| 1498 | 0301 | 0404 | 30101 | 40103 | 030101 | 0501 | 0201 | 0302 | 0101 | 3101 | 0801 | 1515 | 0102 | 0701 |
| 1647 | 03 | 04 | 3 | 4 | | | 02 | 08 | 01 | 31 | 08 | 15 | 01 | 07 |
| 1686 | 0301 | 0404 | 30101 | 40103 | 0301 | 0501 | 0201 | 0302 | 0101 | 3101 | 0801 | 1515 | 0102 | 0701 |
| 1905 | 0301 | 0404 | 30101 | 40103 | | | 0201 | 0302 | 0101 | 3101 | 0801 | 1515 | 0102 | 0701 |
| 2004 | 0301 | 0404 | 30101 | 40103 | 0301 | 0501 | 0201 | 0302 | 0101 | 3101 | 0801 | 1515 | 0102 | 0701 |
| 2013 | 0301 | 0404 | 301 | 401 | | | 0201 | 0302 | 01 | 31 | 08 | 1501 | 01 | 07 |
| 2015 | | | | | | | | | 0101 | 3101 | 0801 | 1515 | 0102 | 0701 |
| 2019 | 0301 | 0404 | 30101 | 40103 | | | 0201 | 0302 | 0101 | 3101 | 0801 | 1515 | 0102 | 0701 |
| 2063 | 0301/37 | 0404/70 | 301 | 401 | 0301 | 0501 | 02 | 0302 | 0101 | 3101 | 0801 | 1515 | 0102 | 0701 |
| 2347 | 03 | 04 | 3 | 4 | | | 02 | 03 | 01 | 31 | 08 | 15 | 01 | 07 |
| 2411 | 03 | 04 | | | | | | | 01 | 31 | 08 | 15 | | |
| 2518 | 03 | 04 | 301 | 401 | | | 02 | 03 | 01 | 31 | 08 | 15 | 01 | 07 |
| 2549 | 0301 | 0404 | 30101 | 40103 | 0301 | 0501 | 0201 | 0302 | 0101 | 3101 | 0801 | 1515 | 0102 | 0701 |
| 3248 | | | | | | | | | | | | | | |
| 3261 | 0301 | 0404 | | | | | 0201 | 0302 | 0101 | 3101 | 0801 | 1515 | 0102 | 0701 |
| 3264 | 0301 | 0404 | 301 | 40103 | 0301 | 0501 | 0201 | 0302 | 0101 | 3101 | 0801 | 1515 | 0102 | 0701 |
| 3324 | 0301 | 0404 | 301 | 401 | 03 | 05 | 0201 | 0302 | 0101 | 3101 | 0801 | 1515 | 0102 | 07 |
| 3325 | 0301 | 0404 | 30101 | 40103 | | | 0201 | 0302 | 0101 | 3101 | 0801 | 1515 | 0102 | 0701 |
| 3410 | 0301 | 0404 | | | | | 0201 | 0302 | 0101 | 3101 | 0801 | 1515 | 0102 | 0701 |
| 3438 | 0301 | 0404 | | | | | 0201 | 0302 | 0101 | 3101 | 0801 | 1515 | 0102 | 0701 |
| 3522 | 0301 | 0404 | | | 0301 | 0501 | 0202 | 0302 | 0101 | 3102 | 0801 | 1515 | 0102 | 0701 |
| 3548 | 0301 | 0404 | 30101 | 40103 | | | 0201 | 0302 | 0101 | 3101 | 0801 | 1515 | 0102 | 0701 |
| 3582 | 0301 | 0404 | 301 | 401 | NT | NT | 0201 | 0302 | 01 | 31 | 08 | 1508/15 | 0102/17 | 07 |
| 3600 | 03 | 04 | 3 | 4 | | | 02 | 03 | 01 | 31 | 08 | 15 | 01 | 07 |
| 3614 | 0301 | 0404/23 | | | | | 0201/5 | 0302 | 0101 | 3101 | 0801 | 1515 | 0102 | 0701 |
| 3625 | 0301 | 0404 | 301 | 4 | 03 | 05 | 0201 | 0302 | 01 | 31 | 0801 | 1515 | 01 | 07 |
| 3807 | 0301 | 0404 | 3 | 4 | 0301 | 0501 | 0201/5 | 0302 | 0101 | 3101 | 0801 | 1515 | 0102 | 0701 |
| 3849 | 0301 | 0404 | 301 | 401 | 0301 | 0501 | 0201 | 0302 | 01 | 31 | 08 | 1508/15 | 01 | 07 |
| 4237 | 0301 | 0404 | 30101 | 40103 | | | 0201 | 0302 | 0101 | 3101 | 0801 | 1515 | 0102 | 0701 |
| 4281 | | | | | | | | | | | | | | |
| 4336 | 0301 | 0404 | | | | | 0201 | 0302 | 0101 | 3101 | 0801 | 1515 | 0102/17 | 07 |
| 4420 | 0301 | 0404 | | | | | | | 0101 | 3101 | 0801 | 1508/15 | 0102 | 07 |
| 4545 | 0301 | 0404 | 301 | 401 | 0301 | 0501 | 0201 | 0302 | 0101 | 3101 | 0801 | 1515 | 0102 | 07 |
| 4551 | 0301 | 0404/23 | NT | NT | | | 02 | 03 | 01 | 31 | 08 | 15 | 01 | 07 |
| 4582 | 0301 | 0404 | 30101 | 401 | 0301 | 0501 | 0201 | 0302 | 0101 | 310102 | 0801 | 1515 | 0102 | 0701 |
| 4585 | 03 | 04 | | | | | 0201 | 03 | 01 | 31 | 08 | 15 | 01 | 07 |
| 4613 | | | | | | | | | 0101 | 3101 | 0801 | 1515 | 0102 | 0701 |
| 4623 | | | | | | | | | | | | | | |
| 4653 | 0301 | 0404 | | | | | 0201 | 0302 | 01 | 31 | 0801 | 1515 | 0102 | 07 |
| 4709 | 0301 | 0404/23 | 30101 | 40103 | 0301 | 0501 | 0201 | 0302 | 0101 | 3101/23 | 0801/36 | 1515 | 0102/52 | 0701/59 |
| 5204 | | | | | | | | | 01 | 31 | 08 | 15 | 01 | 07 |
| 5365 | 0301 | 0404 | 30101 | 40103 | 0301 | 0501 | 0201 | 0302 | 01 | 31 | 08 | 15 | 01 | 07 |
| 5720 | 0301 | 0404 | 30101 | 40103 | | | 0201 | 0302 | 010101 | 3101 | 0801 | 1515 | 0102 | 0701 |
| 5982 | 030101 | 0404 | | | | | 020101 | 030201 | 010101 | 310102 | 080101 | 1515 | 010201 | 070101 |
| 6051 | 0301 | 0404/23 | 301 | 401 | | | 02 | 0302 | 01 | 31 | 08 | 1508/15 | 01 | 07 |
| 6313 | 03 | 04 | | | | | 02 | 0302 | 01 | 31 | 08 | 15 | 01 | 07 |
| 9221 | 03 | 04 | 3 | 4 | | | 02 | 03 | 01 | 31 | 08 | 15 | 01 | 07 |

DNA #600

| CENTER | DRB1 | | DRB3/4/5 | | DQA1 | | DQB1 | | DPB1 | | DPA1 | | A-Locus | | B-Locus | | C-Locus | |
|--------|---------|---------|-----------|-------|------|------|--------|--------|--------|------|--------|-------|----------|----------|---------|--------|---------|-----------|
| 7 | 04 | 08 | 401 | BLANK | 01 | 03 | 03 | 06 | | | | | 02 | 24 | 13 | 15 | 03 | 04 |
| 16 | 0406 | 080302 | 40103 | BLANK | 0103 | 03 | 0302 | 0601 | 020102 | 0501 | | | 020101 | 240201 | 1301 | 152701 | 030401 | 040101/30 |
| 61 | | | | | | | | | | | | | | | | | | |
| 80 | 04 | 08 | 4 | BLANK | | | 03 | 06 | | | | | 02 | 24 | 13 | 15 | 03 | 04 |
| 124 | 0406 | 0803 | 401 | BLANK | 0103 | 03 | 0302 | 0601 | 0201 | 0501 | | | 02 | 24 | 1301 | 1527 | 0304 | 04 |
| 131 | 04 | 08 | 4 | BLANK | | | 03 | 06 | | | | | 02 | 24 | 13 | 15 | 03 | 04 |
| 134 | 0406 | 0803 | 40103 | BLANK | | | 0302 | 0601 | 0201 | 0501 | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |
| 138 | 0406/49 | 0803 | | | | | 0302 | 0601 | | | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |
| 139 | 04 | 08 | 401 | BLANK | | | | | | | | | 02 | 24 | 1301/17 | 1527 | | |
| 142 | 04 | 08 | 401 | BLANK | | | 0302 | 06 | | | | | 02 | 24 | 13 | 15 | | |
| 144 | 0406 | 0803 | | | | | 0302 | 0601 | | | | | 0201 | 2402 | 1301 | 1527 | 0304 | 04 |
| 147 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | | | NT | NT | NT | NT | NT | NT |
| 148 | 04 | 08 | | | | | 0302/7 | 0601 | | | | | 02 | 24 | 13 | 1527 | 03 | 04 |
| 151 | 0406 | 0803 | 4 | BLANK | | | 0311 | 0601 | | | | | 0201 | 2402 | 1301 | 152701 | 0304/32 | 04 |
| 152 | | | | | | | | | | | | | | | | | | |
| 153 | 04 | 08 | 4 | BLANK | | | 03 | 06 | | | | | 02 | 24 | 13 | 15 | 03 | 04 |
| 155 | | | | | | | | | | | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |
| 156 | 0406 | 0803 | | | | | 0302 | 0601 | | | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |
| 158 | 0406 | 0803 | 40103 | BLANK | | | 0302 | 0601 | 0201 | 0501 | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |
| 160 | 0406 | 0803 | 40103 | BLANK | | | 0302 | 0601 | | | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |
| 162 | 0406 | 080302 | | | | | 030201 | 0601 | | | | | 0201 | 2402 | 1301 | 1527 | 0304 | 040101 |
| 163 | | | | | | | | | 0201 | 0501 | | | | | | | | |
| 164 | 04 | 08 | | | | | | | | | | | 02 | 24 | 13 | 15 | | |
| 166 | | | | | | | | | | | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |
| 167 | 0406 | 080302 | | | | | 030201 | 0601 | | | | | 020101 | 240201 | 1301 | 152701 | 030401 | 040101 |
| 168 | 04 | 08 | | | | | | | | | | | 02 | 24 | 13 | 15 | | |
| 170 | 0406 | 080302 | 40103 | BLANK | | | 0302 | 0601 | | | | | 02 | 24 | 13 | 15 | 03 | 04 |
| 171 | 0406 | 0803 | 40103 | BLANK | | | 0302 | 0601 | | | | | 02 | 24 | 13 | 15 | 03 | 04 |
| 173 | 04 | 08 | | | 0103 | 03 | 0302 | 0601 | | | | | 02 | 24 | 13 | 15 | | |
| 174 | 0406 | 08 | | | | | | | | | | | 02 | 24 | 13 | 1527 | | |
| 175 | 0406 | 0803 | | | | | 0302 | 0601 | | | | | 0201 | 2402 | 1301 | 1527 | 03 | 04 |
| 176 | 0406 | 0803 | | | | | | | | | | | 0201 | 2402 | 1301 | 1527 | | |
| 179 | 0406/20 | 0803/10 | 401 | BLANK | 0103 | 03 | 0302 | 0601 | | | | | 02 | 24 | 1301 | 1527 | 03 | 04 |
| 180 | 0406 | 0803 | 40103 | BLANK | 0103 | 0301 | 0302 | 0601 | 0201 | 0501 | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |
| 185 | 0406 | 080302 | | | | | 030201 | 060101 | | | | | 02 | 24 | 1301 | 152701 | 0304 | 04 |
| 186 | 0406 | 0803 | 40103 | BLANK | 0103 | 0301 | 0302 | 0601 | 0201 | 0501 | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |
| 187 | 0406 | 0803 | | | | | 0302 | 0601 | 0201 | 0501 | | | 0201/12 | 2402/13 | 1301 | 1527 | 0304 | 0401/9 |
| 188 | 0406 | 0803 | 401 | BLANK | | | | | | | | | | | | | | |
| 189 | 0406 | 0803 | 401 | BLANK | 0103 | 03 | 0302 | 0601 | | | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |
| 190 | 04 | 08 | 4 | BLANK | | | 03 | 06 | | | | | 02 | 24 | 13 | 15 | 03 | 04 |
| 192 | 0406 | 0803 | 40103 | BLANK | | | 0302 | 0601 | 0201 | 0501 | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |
| 193 | 0406 | 08 | | | | | | | | | | | 02 | 24 | 13 | 1527 | | |
| 194 | NT | NT | NT | NT | | | | | | | | | NT | NT | NT | NT | | |
| 195 | | | | | | | | | | | | | | | | | | |
| 197 | 0406 | 0803 | 401 | BLANK | 0103 | 0301 | 0302 | 0601 | 0201 | 0501 | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |
| 199 | 04 | 08 | 4 | BLANK | | | 03 | 06 | | | | | | | | | | |
| 201 | 0406 | 0803 | 40103 | BLANK | | | 0302 | 0601 | 0201 | 0501 | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |
| 203 | 0406 | 0803 | 4 | BLANK | | | 03 | 06 | | | | | 02 | 24 | 13 | 15 | 03 | 04 |
| 204 | 0406 | 0803 | | | | | | | | | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |
| 205 | 0406 | 0803 | 401 | BLANK | 0103 | 0301 | 0302 | 0601 | 0201 | 0501 | 0202/4 | BLANK | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |
| 206 | 04 | 08 | | | | | | | | | | | 02 | 24 | 13 | 15 | | |
| 207 | 0406 | 0803 | | | | | 0302 | 0601 | 0201 | 0501 | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |
| 208 | 04 | 08 | | | | | | | | | | | 02 | 24 | 13 | 15 | | |
| 209 | 0406 | 0803 | 40103 | BLANK | 01 | 03 | 0302 | 0601 | | | | | 02 | 24 | 13 | 15 | 03 | 04 |
| 210 | | | | | | | | | | | | | 02 | 24 | 1301 | 152701 | 0304 | 04 |
| 211 | 0406 | 0803 | 401 | BLANK | 0103 | 03 | 0302 | 0601 | 0201/2 | 0501 | 0202 | BLANK | 02 | 24 | 1301 | 1527 | 03 | 04 |
| 212 | 040601 | 080302 | 401 | BLANK | | | 030201 | 060101 | 020102 | 0501 | | | 020101 | 24020101 | 1301 | 152701 | 030401 | 040101 |
| 213 | 0406 | 0803 | | | | | | | | | | | | | 1301 | 15 | 03 | 04 |
| 214 | | | | | | | | | | | | | 02 | 24 | 1301 | 152701 | 03 | 04 |
| 215 | NT | NT | NT | NT | | | | | | | | | | | | | | |
| 216 | 04 | 08 | | | | | 03 | 06 | | | | | 02 | 24 | 13 | 15 | 03 | 04 |
| 218 | | | | | | | | | | | | | | | | | | |
| 219 | 0406 | 0803 | | | | | 03 | 06 | | | | | 02 | 24 | 13 | 15 | | |
| 220 | 0406 | 0803/10 | | | | | | | | | | | 02 | 24 | 13 | 15 | 03 | 04 |
| 221 | | | | | | | | | | | | | | | | | | |
| 222 | 04 | 08 | 401 | BLANK | | | 03 | 06 | | | | | 02 | 24 | 13 | 15 | | |
| 223 | | | | | | | | | | | | | | | | | | |
| 224 | | | | | | | | | | | | | | | | | | |
| 225 | 040101 | 080101 | 401010101 | BLANK | | | 030201 | 060101 | | | | | 02010101 | 24020101 | 1301 | 150104 | 030401 | 04010101 |
| 226 | 04 | 08 | 4 | 3 | | | 03 | 06 | | | | | 02 | 24 | 35 | 15 | 03 | 04 |
| 227 | 0406 | 0803 | | | | | 0302 | 0601 | | | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |
| 230 | 0406 | 0803 | 40103 | BLANK | | | 0302 | 0601 | | | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |

DNA #600

| CENTER | DRB1 | | DRB3/4/5 | | DQA1 | | DQB1 | | DPB1 | | DPA1 | | A-Locus | | B-Locus | | C-Locus | |
|--------|---------|---------|----------|-------|------|--------|--------|--------|--------|------|------|-------|---------|---------|---------|--------|---------|---------|
| 239 | NT | NT | NT | NT | NT | NT | NT | NT | NT | | | | NT | NT | NT | NT | | |
| 278 | 0406 | 0803 | 401 | BLANK | 0103 | 03 | 0302 | 0601 | 0201 | 0501 | | | 0201 | 24 | 1301/17 | 1527 | 0304 | 0401/5 |
| 291 | 0406 | 08 | 401 | BLANK | 0103 | 0301 | 0302 | 0601 | | | | | 02 | 24 | 13 | 1527 | 03 | 04 |
| 401 | | | | | | | | | | | | | 0201 | 2402 | 1301 | 1527 | 03 | 04 |
| 452 | 0406 | 0803 | 40103 | BLANK | | | 0302 | 0601 | 0201 | 0402 | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |
| 519 | 0406 | 0803 | | | | | 0302 | 0601 | 0201 | 0501 | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |
| 615 | 0406 | 0803 | 401 | BLANK | 01 | 03 | 0302 | 0601 | 0201 | 0501 | | | | | | | | |
| 616 | 04 | 08 | | | | | | | | | | | | | | | | |
| 635 | 04 | 08 | 4 | BLANK | | | 03 | 06 | | | | | 02 | 24 | 13 | 15 | 03 | 04 |
| 702 | 0406 | 0803 | 40103 | BLANK | 0103 | 03 | 0302 | 0601 | 0201 | 0501 | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |
| 714 | 0406 | 0803 | | | | | 0302 | 0601 | | | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |
| 726 | 0406 | 0803 | 401 | BLANK | 01 | 03 | 0302 | 0601 | | | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |
| 732 | 0406 | 080302 | 4010301 | BLANK | | | 0302 | 0601 | | | | | 020101 | 240201 | 1301 | 152701 | 030401 | 04 |
| 743 | 04 | 08 | 4 | BLANK | | | 03 | 06 | | | | | NT | NT | NT | NT | NT | NT |
| 805 | 0406 | 0803 | | | | | 0302 | 0601 | | | | | 0201 | 2402 | 1301 | 1527 | 0304 | 04 |
| 1018 | 0406 | 0803 | 4 | BLANK | 0103 | 0301 | | | | | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |
| 1113 | 0406 | 0803/36 | 40103 | BLANK | 0103 | 03 | 0302 | 0601 | 0201 | 0501 | | | 0201 | 2402 | 1301/23 | 1527 | 0304 | 0401/40 |
| 1189 | 0406 | 0803 | 40103 | BLANK | | | 0302 | 0601 | 0201 | 0501 | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |
| 1212 | NT | NT | NT | NT | | | NT | NT | NT | NT | | | NT | NT | NT | NT | NT | NT |
| 1251 | 0406 | 0803 | 40103 | BLANK | 0103 | 030101 | 0302 | 0601 | 0201 | 0501 | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401/35 |
| 1498 | 0406 | 080302 | 40103 | BLANK | 0103 | 030101 | BLANK | 0601 | | | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |
| 1647 | 04 | 08 | 4 | BLANK | | | 03 | 06 | 0201 | 0501 | | | 02 | 24 | 13 | 15 | 03 | 04 |
| 1686 | 0406 | 0803 | 40103 | BLANK | 0103 | 0301 | 0302 | 0601 | 0201 | 0501 | 0202 | BLANK | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |
| 1905 | 0406 | 0803 | 40103 | BLANK | | | 0302 | 0601 | 0201 | 0501 | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |
| 2004 | 0406 | 080302 | 40103 | BLANK | 0103 | 0301 | 0302 | 0601 | | | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |
| 2013 | 0406 | 0803 | 401 | BLANK | | | 0302 | 0601 | | | | | 02 | 24 | 13 | 1527 | 03 | 04 |
| 2015 | | | | | | | | | | | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |
| 2019 | 0406 | 0803 | 40103 | BLANK | | | 0302 | 0601 | 0201 | 0501 | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |
| 2063 | 0406 | 08 | 401 | BLANK | 0103 | 03 | 0302 | 0601 | | | | | | | | | | |
| 2347 | 04 | 08 | 4 | BLANK | | | 03 | 06 | | | | | 02 | 24 | 13 | 15 | 03 | 04 |
| 2411 | 04 | 08 | | | | | | | | | | | 02 | 24 | 13 | 15 | | |
| 2518 | 04 | 08 | 401 | BLANK | | | 03 | 06 | | | | | 02 | 24 | 13 | 15 | 03 | 04 |
| 2549 | 0406 | 0803 | 40103 | BLANK | 0103 | 0301 | 0302 | 0601 | 0201 | 0501 | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401/30 |
| 3248 | | | | | | | | | | | | | | | | | | |
| 3261 | 0406 | 0803 | | | | | 0302 | 0601 | | | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |
| 3264 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | | | NT | NT | NT | NT | NT | NT |
| 3324 | 0406 | 0803 | 401 | BLANK | 0103 | 0301 | 0302 | 0601 | 0201 | 0501 | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |
| 3325 | 0406 | 0803 | 40103 | BLANK | | | 0302 | 0601 | | | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |
| 3410 | 0406 | 0803 | | | | | 0302 | 0601 | | | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |
| 3438 | 0406 | 0803 | | | | | 0302 | 0601 | | | | | | | | | | |
| 3522 | 0406 | 0803 | | | 0103 | 0301 | 0302 | 0601 | | | | | 0201 | 2402 | 1301 | 1527 | 0303 | 0401 |
| 3548 | 0406/46 | 0803/36 | 40103 | BLANK | | | 0302 | 0601 | | | | | 0201 | 2402 | 1301 | 1527 | 0604 | 0401 |
| 3582 | 0406/20 | 0803/10 | 401 | BLANK | NT | NT | 0302 | 0601 | 0201 | 0501 | | | 02 | 24 | 13 | 15 | 03 | 04 |
| 3600 | 04 | 08 | 4 | BLANK | | | 03 | 06 | | | | | 02 | 24 | 13 | 15 | 03 | 04 |
| 3614 | 0406 | 0803 | | | | | 0302 | 0601 | | | | | 0201 | 2402/35 | 1301 | 1527 | 0304 | 0401/4 |
| 3625 | 0406 | 0803/14 | 401 | BLANK | 0103 | 03 | 0302 | 0601 | 0201 | 0501 | | | 02 | 24 | 1301 | 1527 | 03 | 04 |
| 3807 | 0406 | 0803/10 | 4 | BLANK | 0103 | 0301 | 0302 | 0601 | 02 | 0501 | 0202 | BLANK | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |
| 3849 | 0406 | 0803 | 401 | BLANK | 0103 | 03 | 0302 | 0601 | | | | | 02 | 24 | 13 | 1527 | 03 | 04 |
| 4237 | 0406 | 0803 | 40103 | BLANK | | | 0302 | 0601 | | | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |
| 4281 | | | | | | | | | | | | | | | | | | |
| 4336 | 0406 | 0803 | | | | | 0302 | 0601 | | | | | 0201 | 2402 | 1301 | 1527 | 03 | 04 |
| 4420 | 0406 | 0803 | | | | | | | | | | | 0201 | 2402 | 1301 | 1527 | 0304/6 | 0401/7 |
| 4545 | 0406 | 0803 | 401 | BLANK | 0103 | 03 | 0302 | 0601 | 0201 | 0501 | | | 0201 | 2402 | 1301 | 1527 | 0304 | 04 |
| 4551 | 0406 | 0803 | 40103 | BLANK | | | 0302 | 0601 | 0201 | 0501 | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |
| 4582 | 0406 | 0803 | 401 | BLANK | 0103 | 03 | 0302 | 0601 | | | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |
| 4585 | 04 | 08 | | | | | 03 | 06 | | | | | 02 | 24 | 1301 | 1527 | 03 | 04 |
| 4613 | | | | | | | | | | | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401 |
| 4623 | | | | | | | | | | | | | | | | | | |
| 4653 | 0406 | 0803 | | | | | 0302 | 0601 | | | | | 02 | 24 | 1301 | 1527 | 0304 | 04 |
| 4709 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | | | NT | NT | NT | NT | NT | NT |
| 5204 | | | | | | | | | | | | | 02 | 24 | 13 | 15 | 03 | 04 |
| 5365 | 0406 | 0803 | 40103 | BLANK | 0103 | 03 | 0302 | 0601 | 0201 | 0501 | | | 0201 | 24 | 13 | 15 | 03 | 04 |
| 5720 | 0406 | 0803 | 40103 | BLANK | | | 0302 | 0601 | | | | | 0201 | 2402 | 1301 | 1527 | 0304 | 0401/30 |
| 5982 | 0406 | 0803/14 | | | | | 030201 | 060101 | 020102 | 0501 | | | 020109 | 240206 | 1301 | 152701 | 0328 | 040401 |
| 6051 | 0406 | 0803 | 401 | BLANK | | | 0302 | 0601 | 0201 | 0501 | | | 02 | 24 | 13 | 1527 | 0304 | 04 |
| 6313 | 0406/20 | 08 | | | | | 0302 | 0601 | | | | | 02 | 24 | 13 | 15 | 03 | 04 |
| 9221 | 04 | 08 | 4 | BLANK | | | 03 | 06 | | | | | 02 | 24 | 13 | 15 | 03 | 07 |

DNA #601

| CENTER | DRB1 | DRB3/4/5 | DQA1 | DQB1 | DPB1 | DPA1 | A-Locus | B-Locus | C-Locus | | | | | | | | | |
|--------|---------|----------|---------|-----------|------|-------|---------|---------|---------|------|------|--------|----------|---------|----------|--------|------|--------|
| 7 | 13 | 16 | 303 | 502 | 01 | BLANK | 05 | 06 | 010101 | 1801 | 66 | 68 | 39 | 57 | 12 | 18 | | |
| 16 | 130201 | 160201 | 30301 | 50202 | 0102 | BLANK | 0502/5 | 0605/9 | 010101 | 1801 | 6602 | 680201 | 3910 | 570301 | 120301 | 1801/2 | | |
| 61 | | | | | | | | | | | | | | | | | | |
| 80 | 13 | 16 | 3 | 5 | | | 05 | 06 | | | | 66 | 68 | 39 | 57 | 04 | 06 | |
| 124 | 1302 | 1602 | 30301 | 50202 | 0102 | BLANK | 0502 | 0609 | 0101 | 1801 | 6602 | 6802 | 3910 | 5703 | 1203 | 1801/2 | | |
| 131 | 13 | 16 | 3 | 5 | | | 05 | 06 | | | | 66 | 68 | 39 | 57 | 12 | 18 | |
| 134 | 1302 | 1602 | 30301 | 50202 | | | 0502 | 0609 | 0101 | 1801 | 6602 | 6802 | 3910 | 5703 | 1203 | 1802 | | |
| 138 | 1302 | 1602 | | | | | 0502 | 0609 | | | 6602 | 6802 | 3910 | 5703 | 1203 | 1802 | | |
| 139 | 1301/2 | 1602/10 | 303 | 502 | | | | | | | 6602 | 68 | 3910 | 5703 | | | | |
| 142 | 13 | 16 | 303 | 502 | | | 05 | 06 | | | 66 | 68 | 39 | 57 | | | | |
| 144 | 1302 | 1602 | | | | | 0502 | 0609 | | | 6602 | 6802 | 3910 | 5703 | 1203 | 1801/2 | | |
| 147 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | | |
| 148 | 13 | 16 | | | | | 0502/5 | 0609/18 | | | 6602 | 68 | 39 | 5703/17 | 12 | 1801/2 | | |
| 151 | 1302/67 | 1602 | 3 | 5 | | | 0502 | 0609 | | | 6602 | 6802 | 3910 | 5703 | 1203 | 1802 | | |
| 152 | | | | | | | | | | | | | | | | | | |
| 153 | 13 | 16 | 3 | 5 | | | 05 | 06 | | | 66 | 68 | 39 | 57 | 12 | 18 | | |
| 155 | | | | | | | | | | | 6602 | 6802 | 3910 | 5703 | 1203 | 1802 | | |
| 156 | 1302 | 1602 | | | | | 0502 | 0609 | | | 6602 | 6802 | 3910 | 5703 | 1203 | 1802 | | |
| 158 | 1302 | 1602 | 30301 | 50202 | | | 0502 | 0609 | 0101 | 1801 | 6602 | 6802 | 3910 | 5703 | 1203 | 1802 | | |
| 160 | 1302 | 1602 | 30301 | 50202 | | | 0502 | 0609 | | | 6602 | 6802 | 3910 | 5703 | 1203 | 1801/2 | | |
| 162 | 130201 | 160201 | | | | | 050201 | 0609 | | | 6602 | 680201 | 3910 | 570301 | 12030101 | 1801/2 | | |
| 163 | | | | | | | | | 0101 | 1801 | | | 3910 | 5703 | 1203 | 1801/2 | | |
| 164 | 13 | 16 | | | | | | | | | 66 | 68 | 39 | 57 | | | | |
| 166 | | | | | | | | | | | 6602 | 6802 | 3910 | 5703 | 1203 | 1802 | | |
| 167 | 130201 | 160201 | | | | | 050201 | 0609 | | | 6602 | 680201 | 3910 | 570301 | 120301 | 1802 | | |
| 168 | 13 | 16 | | | | | | | | | 66 | 68 | 39 | 57 | | | | |
| 170 | 1302 | 1602 | 303 | 50202 | | | 050301 | 0609 | | | 6602 | 68 | 3910 | 57 | 12 | 18 | | |
| 171 | 1302 | 1602 | 30301 | 50202 | | | 0502 | 0609 | | | 66 | 68 | 39 | 57 | 12 | 18 | | |
| 173 | 13 | 16 | | | 0102 | BLANK | 0501/2 | 0604/25 | | | 66 | 68 | 39 | 57 | | | | |
| 174 | 1302/73 | 1602 | | | | | | | | | 6602 | 68 | 3910/20 | 5703 | | | | |
| 175 | 1302 | 1602 | | | | | 0502 | 0609 | | | 6602 | 6802 | 3910 | 5703 | 12 | 18 | | |
| 176 | 1302 | 1602 | | | | | | | | | 6602 | 6802 | 3910 | 5703 | | | | |
| 179 | 13 | 16 | 3 | BLANK | 0102 | BLANK | 0502/5 | 0609/18 | | | 6602 | 6802 | 3910 | 5703 | 1203 | 1801/2 | | |
| 180 | 1302 | 1602 | 30301 | 50202 | 0102 | BLANK | 0502 | 0609 | 0101 | 1801 | 6602 | 6802 | 3910 | 5703 | 1203 | 1802 | | |
| 185 | 130201 | 160201 | | | | | 050201 | 0609 | | | 6602 | 680201 | 3910 | 570301 | 1203 | 1801/2 | | |
| 186 | 1302 | 1602 | 30301 | 50202 | 0102 | BLANK | 0502 | 0609 | 0101 | 1801 | 6602 | 6802 | 3910 | 5703 | 1203 | 1802 | | |
| 187 | 1302 | 1602 | | | | | 0502 | 0609 | 0101 | 1801 | 6602 | 6802 | 3910 | 5703 | 1203 | 1801/2 | | |
| 188 | 1302 | 1602 | 303 | 502 | | | | | | | | | | | | | | |
| 189 | 1302 | 1602 | 30301 | 50202 | 0102 | BLANK | 0502 | 0609 | | | 6602 | 6802 | 3910 | 5703 | 1203 | 1802 | | |
| 190 | 13 | 16 | 3 | 5 | | | 05 | 06 | | | 66 | 68 | 39 | 57 | 12 | 18 | | |
| 192 | 1302 | 1602 | 30301 | 50202 | | | 0502 | 0609 | 0101 | 1801 | 6602 | 6802 | 3910 | 5703 | 1203 | 1802 | | |
| 193 | 1302/73 | 1602 | | | | | | | | | 6602 | 68 | 3910/20 | 5703 | | | | |
| 194 | NT | NT | NT | NT | | | | | | | NT | NT | NT | NT | | | | |
| 195 | | | | | | | | | | | | | | | | | | |
| 197 | 1302 | 1602 | 30301 | 50202 | 0102 | BLANK | 0502 | 0609 | 0101 | 1801 | 6602 | 6802 | 3910 | 5703 | 1203 | 1802 | | |
| 199 | 13 | 16 | 3 | 5 | | | 05 | 06 | | | | | | | | | | |
| 201 | 1302 | 1602 | 30301 | 50202 | | | 0502 | 0609 | 0101 | 1801 | 6602 | 6802 | 3910 | 5703 | 1203 | 1802 | | |
| 203 | 1302 | 1602 | 3 | 5 | | | 05 | 06 | | | 66 | 68 | 39 | 57 | 12 | 18 | | |
| 204 | 1302 | 1602 | | | | | | | | | 6602 | 6802 | 3910 | 5703 | 1203 | 1801 | | |
| 205 | 1302 | 1602 | 30301 | 50202 | 0102 | BLANK | 0502 | 0609 | 0101 | 1801 | 6602 | 6802 | 3910 | 5703 | 1203 | 1802 | | |
| 206 | 13 | 16 | | | | | | | | | 66 | 68 | 39 | 57 | | | | |
| 207 | NT | NT | | | | | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | | |
| 208 | 13 | 16 | | | | | | | | | 66 | 68 | 39 | 57 | | | | |
| 209 | 1302 | 1602 | 30301 | 50202 | 01 | BLANK | 050201 | 0609 | | | 66 | 68 | 39 | 57 | 12 | 18 | | |
| 210 | | | | | | | | | | | 6602 | 68 | 3910 | 570301 | 120301 | 1801/2 | | |
| 211 | 1302 | 1602 | 30301 | 50202 | 0102 | BLANK | 0502 | 0609 | 0101 | 1801 | 01 | 0202 | 6602 | 6802 | 3910 | 5703 | 1203 | 1801/2 |
| 212 | 130201 | 160201 | 30301 | 50202 | | | 050201 | 0609 | 010101 | 1801 | 6602 | 680201 | 3910 | 570301 | 120301 | 1802 | | |
| 213 | 1302 | 1602 | | | | | | | | | | | 3901/39 | 5703 | 1203 | 1801/2 | | |
| 214 | | | | | | | | | | | 6602 | 680201 | 3910 | 570301 | 1203 | 18 | | |
| 215 | NT | NT | NT | NT | | | | | | | | | | | | | | |
| 216 | 13 | 16 | | | | | 05 | 06 | | | 66 | 68 | 39 | 57 | 12 | 18 | | |
| 218 | | | | | | | | | | | | | | | | | | |
| 219 | 1302 | 1602 | | | | | 05 | 06 | | | 66 | 68 | 39 | 57 | | | | |
| 220 | 1302 | 1602 | | | | | | | | | 66 | 68 | 39 | 57 | 12 | 1801/2 | | |
| 221 | | | | | | | | | | | | | | | | | | |
| 222 | 13 | 16 | 301 | 502 | | | 05 | 06 | | | 66 | 68 | 39 | 38 | | | | |
| 223 | | | | | | | | | | | | | | | | | | |
| 224 | | | | | | | | | | | | | | | | | | |
| 225 | 130301 | 160101 | 3010101 | 501010201 | | | 050101 | 060101 | | | 6602 | 6805 | 39010101 | 570101 | 12030101 | 1801 | | |
| 226 | 13 | 16 | 3 | 5 | | | 05 | 06 | | | 66 | 68 | 39 | 57 | 12 | 18 | | |
| 227 | 1302 | 1602 | | | | | 0502 | 0609 | | | 6602 | 6802 | 3910 | 5703 | 1203 | 1802 | | |
| 230 | 1302 | 1602 | 30301 | 50202 | | | 0502 | 0609 | | | 6602 | 6802 | 3910 | 5703 | 1203 | 1802 | | |

DNA #601

| CENTER | DRB1 | | DRB3/4/5 | | DQA1 | | DQB1 | | DPB1 | | DPA1 | | A-Locus | | B-Locus | | C-Locus | |
|--------|---------|---------|----------|-------|------|-------|--------|---------|--------|------|------|------|---------|---------|---------|---------|---------|--------|
| 239 | NT | NT | NT | NT | NT | NT | NT | NT | NT | | | | NT | NT | NT | NT | | |
| 278 | 1302/73 | 1602 | 30301 | 50202 | 0102 | BLANK | 0502 | 0609 | 0101 | 1801 | | | 6602 | 6802/40 | 3910 | 5703/17 | 1203 | 1802 |
| 291 | 13 | 16 | 30301 | 50202 | 0102 | BLANK | 0502/5 | 0609/18 | | | | | 6602 | 68 | 3910 | 5703/17 | 12 | 18 |
| 401 | | | | | | | | | | | | | 6602 | 6802 | 3910 | 5703 | 1203 | 1802 |
| 452 | 1302 | 1602 | 30301 | 50202 | | | 0502 | 0609 | 0101 | 1801 | | | 6602 | 6802 | 3910 | 5703 | 1203 | 1802 |
| 519 | 1302 | 1602 | | | | | 0502 | 0609 | 0101 | 1801 | | | 6602 | 6802 | 3910 | 5703 | 1203 | 1801/2 |
| 615 | 1302 | 1602 | 30301 | 50202 | 01 | BLANK | 0502 | 0609 | 0101 | 1801 | | | | | | | | |
| 616 | 13 | 16 | | | | | | | | | | | | | | | | |
| 635 | 13 | 16 | 3 | 5 | | | 05 | 06 | | | | | 66 | 68 | 39 | 57 | 12 | 18 |
| 702 | 1302 | 1602 | 30301 | 50202 | 0102 | BLANK | 0502 | 0609 | 0101 | 1801 | | | 6602 | 6802 | 3910 | 5703 | 1203 | 1801/2 |
| 714 | 1302 | 1602 | | | | | 0502 | 0609 | | | | | 6602 | 6802 | 3910 | 5703 | 1203 | 1802 |
| 726 | 1302 | 1602 | 303 | 502 | 01 | BLANK | 0502 | 0609 | | | | | 6602 | 6802 | 3910 | 5703 | 1203 | 1802 |
| 732 | 130201 | 160201 | 30301 | 50202 | | | 0502 | 0609 | | | | | 6602 | 680201 | 3910 | 570301 | 120301 | 1802 |
| 743 | 13 | 16 | 3 | 5 | | | 0502 | 0609 | | | | | NT | NT | NT | NT | NT | NT |
| 805 | 1302 | 1602 | | | | | 0502 | 0609 | | | | | 6602 | 6802 | 3910 | 5703 | 1203 | 1801/2 |
| 1018 | 1302 | 1602 | 3 | 5 | 0102 | BLANK | | | | | | | 6602 | 6802 | 3910 | 5703 | 1203 | 1802 |
| 1113 | 1302/73 | 1602 | NT | NT | 0102 | BLANK | 0502/5 | 06 | 0101 | 1801 | | | 6602 | 68 | 3910/20 | 5703/17 | 12 | 18 |
| 1189 | 1302 | 1602 | 30301 | 50202 | | | 0502 | 0609 | 0101 | 1801 | | | 6602 | 6802 | 3910/16 | 5703/17 | 1203 | 1802 |
| 1212 | NT | NT | NT | NT | | | NT | NT | NT | NT | | | NT | NT | NT | NT | NT | NT |
| 1251 | 1302 | 1602 | 30301 | 50202 | 0102 | BLANK | 050201 | 0609 | 0101 | 1801 | | | 6602 | 6802 | 3910 | 5703/17 | 1203 | 1802 |
| 1498 | 1302 | 1602 | 30301 | 50202 | 0102 | BLANK | 0502 | 0609 | | | | | 6602 | 6802 | 3910 | 5703 | 1203 | 1801/2 |
| 1647 | 13 | 16 | 3 | 5 | | | 05 | 06 | 0101 | 1801 | | | 66 | 68 | 39 | 57 | 12 | 18 |
| 1686 | 1302 | 1602 | 30301 | 50202 | 0102 | BLANK | 0502 | 0609 | 0101 | 1801 | 0103 | 0202 | 6602 | 6802 | 3910 | 5703 | 1203 | 1802 |
| 1905 | 1302 | 1602 | 30301 | 50202 | | | 0502 | 0609 | 0101 | 1801 | | | 6602 | 6802 | 3910 | 5703 | 1203 | 1802 |
| 2004 | 1302 | 1602 | 30301 | 50202 | 0102 | BLANK | 0502 | 0609 | | | | | 6602 | 6802 | 3910 | 5703 | 1203 | 1802 |
| 2013 | 1302 | 1602 | 303 | 502 | | | 0502 | 06 | | | | | 66 | 68 | 39 | 57 | 12 | 18 |
| 2015 | | | | | | | | | | | | | 6602 | 6802 | 3910 | 5703 | 1203 | 1802 |
| 2019 | 1302 | 1602 | 30301 | 50202 | | | 0502 | 0609 | 0101 | 1801 | | | 6602 | 6802 | 3910 | 5703 | 1203 | 1802 |
| 2063 | 1302/73 | 1602 | 30301 | 50202 | 0102 | BLANK | 0502/5 | 06 | | | | | | | | | | |
| 2347 | 13 | 16 | 3 | 5 | | | 05 | 06 | | | | | 66 | 68 | 39 | 57 | 12 | 18 |
| 2411 | 13 | 16 | | | | | | | | | | | 66 | 68 | 39 | 57 | | |
| 2518 | 13 | 16 | 303 | 502 | | | 05 | 06 | | | | | 66 | 68 | 39 | 57 | 12 | 18 |
| 2549 | 1302 | 1602 | 30301 | 50202 | 0102 | BLANK | 0502 | 0609 | 0101 | 1801 | | | 6602 | 6802 | 3910 | 5703 | 1203 | 1802 |
| 3248 | | | | | | | | | | | | | | | | | | |
| 3261 | 1302 | 1602 | | | | | 0502 | 0609 | | | | | 6602 | 6802 | 3910 | 5703 | 1203 | 1802 |
| 3264 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | | | NT | NT | NT | NT | NT | NT |
| 3324 | 1302 | 1602 | 303 | 502 | 0102 | BLANK | 0502 | 0609 | 0101 | 1801 | | | 6602 | 6802 | 3910 | 5703 | 1203 | 1801/2 |
| 3325 | 1302 | 1602 | 30301 | 50202 | | | 0502 | 0609 | | | | | 6602 | 6802 | 3910 | 5703 | 1203 | 1802 |
| 3410 | 1302 | 1602 | | | | | 0502 | 0609 | | | | | 6602 | 6802 | 3910 | 5703 | 1203 | 1802 |
| 3438 | 1302 | 1602 | | | | | 0502 | 0609 | | | | | | | | | | |
| 3522 | 1301 | 1602 | | | 0102 | BLANK | 0502 | 0609 | | | | | 6602 | 6802 | 3910 | 5703 | 1203 | 1801/2 |
| 3548 | 1302/73 | 1602/11 | 30301 | 50202 | | | 0502 | 0609 | | | | | 6602 | 6802 | 3910 | 5703 | 1203 | 1802 |
| 3582 | 13 | 16 | 303 | 502 | 0102 | BLANK | NT | NT | NT | NT | | | 66 | 68 | 39 | 57 | NT | NT |
| 3600 | 13 | 16 | 3 | 5 | | | 05 | 06 | | | | | 66 | 68 | 39 | 57 | 12 | 18 |
| 3614 | 1302 | 1602 | | | | | 0502 | 0609 | | | | | 6602 | 6802 | 3910 | 5703 | 1203 | 1802 |
| 3625 | 1302/67 | 1602 | 3 | 50202 | 0102 | BLANK | 0502 | 0609 | 0101 | 1801 | | | 6602 | 68 | 3910 | 5703 | 12 | 18 |
| 3807 | 1302 | 1602 | 3 | 5 | 0102 | BLANK | 0502/5 | 0609 | 0101 | 1801 | 0106 | 02 | 6602 | 6802 | 39 | 5703 | 1203 | 1802 |
| 3849 | 1302 | 1602 | 303 | 50202 | 0102 | BLANK | 0502 | 0609 | | | | | 6602/3 | 68 | 3910/20 | 5703/17 | 12 | 1801/2 |
| 4237 | 1302 | 1602 | 30301 | 50202 | | | 0502 | 0609 | | | | | 6602 | 6802 | 3910 | 5703 | 1203 | 1802 |
| 4281 | | | | | | | | | | | | | | | | | | |
| 4336 | 1302 | 1602 | | | | | 0502 | 0609 | | | | | 6602 | 6802 | 3910 | 5703 | 1203 | 1801/2 |
| 4420 | 1302 | 1602 | | | | | | | | | | | 6602 | 6802 | 3910 | 5703 | 1203 | 1801/2 |
| 4545 | 1302 | 1602 | 30301 | 50202 | 0102 | BLANK | 0502 | 0609 | 0101 | 1801 | | | 6602 | 6802 | 3910 | 5703 | 1203 | 1801/2 |
| 4551 | 1302 | 1602 | 30301 | 50202 | | | 0502 | 0609 | 0101 | 1801 | | | 6602 | 6802 | 3910/16 | 5703 | 1203 | 1802 |
| 4582 | 1302 | 1602 | 30301 | 50202 | 0102 | BLANK | 0502 | 0609 | | | | | 6602 | 6802 | 3910 | 570301 | 1203 | 1802 |
| 4585 | 13 | 16 | | | | | 05 | 06 | | | | | 6602 | 68 | 39 | 5703 | 12 | 18 |
| 4613 | | | | | | | | | | | | | 6602 | 6802 | 3910 | 5703 | 1203 | 1802 |
| 4623 | | | | | | | | | | | | | | | | | | |
| 4653 | 1302 | 1602 | | | | | 0502 | 0609 | | | | | 6602 | 68 | 3910 | 5703 | 1203 | 1802 |
| 4709 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | | | NT | NT | NT | NT | NT | NT |
| 5204 | | | | | | | | | | | | | 66 | 68 | 39 | 57 | 12 | 18 |
| 5365 | 1302 | 1602 | 30301 | 50202 | 0102 | BLANK | 0502 | 0609 | | | | | 66 | 68 | 39 | 5703 | 12 | 18 |
| 5720 | 1302 | 1602 | 30301 | 50202 | | | 0502 | 0609 | 0101 | 1801 | | | 6602 | 6802 | 3910 | 5703 | 1203 | 1802 |
| 5982 | 130201 | 160201 | | | | | 050201 | 0609 | 010101 | 1801 | | | 6602 | 680201 | 3910 | 570301 | 120301 | 1802 |
| 6051 | 1302 | 1602 | 30301 | 50202 | | | 0502/5 | 0609 | 0101 | 1801 | | | 6602 | 6802 | 3910/20 | 5703 | 1203 | 1801/2 |
| 6313 | 13 | 16 | | | | | 0502/5 | 0609/18 | | | | | 66 | 68 | 39 | 57 | 12 | 18 |
| 9221 | 13 | 16 | 3 | 5 | | | 05 | 06 | | | | | 66 | 68 | 39 | 57 | 12 | 07 |

DNA #602

| CENTER | DRB1 | | DRB3/4/5 | | DQA1 | | DQB1 | | DPB1 | | DPA1 | A-Locus | | B-Locus | | C-Locus | |
|--------|---------|---------|----------|-------|------|------|--------|--------|--------|-------|---------|---------|---------|---------|---------|---------|------|
| 7 | 14 | 16 | 301 | 502 | 01 | 01 | 05 | 05 | | | | 11 | 33 | 15 | 40 | 03 | 04 |
| 16 | 1404 | 160201 | 30101 | 50202 | 0102 | 01 | 0502/5 | 0503 | 020102 | BLANK | | 1101/21 | 3303/15 | 1525 | 400601 | 0302 | 0403 |
| 61 | | | | | | | | | | | | | | | | | |
| 80 | 14 | 16 | 3 | 5 | | | 05 | 05 | | | | 11 | 33 | 15 | 40 | 03 | 04 |
| 124 | 1404 | 1602 | 30101 | 50202 | 0102 | 01 | 0502 | 0503 | 0201 | BLANK | | 1101/21 | 3303/16 | 1525 | 4006 | 0302 | 0403 |
| 131 | 14 | 16 | 3 | 5 | | | 05 | 05 | | | | 11 | 33 | 15 | 40 | 03 | 04 |
| 134 | 1404 | 1602 | 30101 | 50202 | | | 0502 | 0503 | 0201 | BLANK | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 138 | 1404 | 1602 | | | | | 0502 | 0503 | | | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 139 | 1404 | 1602/10 | 301 | 502 | | | | | | | | 11 | 33 | 1525 | 4006 | | |
| 142 | 14 | 16 | 301 | 502 | | | 05 | 05 | | | | 11 | 33 | 15 | 40 | | |
| 144 | 1404 | 1602 | | | | | 0502 | 0503 | | | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 147 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | | NT | NT | NT | NT | NT | NT |
| 148 | 1404/61 | 16 | | | | | 0502/5 | 0503 | | | | 11 | 33 | 1525 | 40 | 03 | 0403 |
| 151 | 1404 | 160201 | 3 | 5 | | | 0502 | 0502/3 | | | | 1101/21 | 330301 | 1525 | 4006 | 0302 | 0403 |
| 152 | | | | | | | | | | | | | | | | | |
| 153 | 14 | 16 | 3 | 5 | | | 05 | 05 | | | | 11 | 33 | 15 | 40 | 03 | 04 |
| 155 | | | | | | | | | | | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 156 | 1404 | 1602 | | | | | 0502 | 0503 | | | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 158 | 1404 | 1602 | 30101 | 50202 | | | 0502 | 0503 | 0201 | BLANK | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 160 | 1404 | 1602 | 30101 | 50202 | | | 0502 | 0503 | | | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 162 | 1404 | 160201 | | | | | 050201 | 050301 | | | | 110101 | 330301 | 1525 | 400601 | 0302 | 0403 |
| 163 | | | | | | | | | 0201 | BLANK | | | | 1525 | 4006 | 0302 | 0403 |
| 164 | 14 | 16 | | | | | | | | | | 11 | 33 | 15 | 40 | | |
| 166 | | | | | | | | | | | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 167 | 1404 | 160201 | | | | | 050201 | 050301 | | | | 110101 | 330301 | 1525 | 400601 | 0302 | 0403 |
| 168 | 14 | 16 | | | | | | | | | | 11 | 33 | 15 | 40 | | |
| 170 | 1404 | 1602 | 30101 | 50202 | | | 0502 | 0502/3 | | | | 11 | 33 | 1525 | 40 | 03 | 0403 |
| 171 | 1404 | 1602 | 30101 | 50202 | | | 0502 | 0503 | | | | 11 | 33 | 15 | 40 | 03 | 04 |
| 173 | 1404 | 1602 | | | 0102 | 01 | 0502 | 0503 | | | | 11 | 33 | 15 | 40 | | |
| 174 | 1404 | 1602 | | | | | | | | | | 11 | 33 | 1525 | 4006/70 | | |
| 175 | 1404 | 1602 | | | | | 0502 | 0503 | | | | 1101 | 3303 | 1525 | 4006 | 03 | 04 |
| 176 | 1404 | 1602 | | | | | | | | | | 1101 | 3303 | 1525 | 4006 | | |
| 179 | 1404 | 160201 | 3 | BLANK | 0102 | 01 | 0502 | 0502/3 | | | | 11 | 3303/15 | 1525 | 4006 | 0302 | 0403 |
| 180 | 1404 | 1602 | 30101 | 50202 | 0102 | 0104 | 0502 | 0503 | 0201 | BLANK | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 185 | 1404 | 160201 | | | | | 050201 | 050301 | | | | 1101/21 | 33 | 1525 | 400601 | 0302 | 0403 |
| 186 | 1404 | 1602 | 30101 | 50202 | 0102 | 0104 | 0502 | 0503 | 0201 | BLANK | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 187 | 1404 | 1602 | | | | | 0502 | 0503 | 0201 | BLANK | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 188 | 1404 | 1602 | 301 | 502 | | | | | | | | | | | | | |
| 189 | 1404 | 1602 | 30101 | 50202 | 0102 | 01 | 0502 | 0503 | | | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 190 | 14 | 16 | 3 | 5 | | | 05 | 05 | | | | 11 | 33 | 15 | 40 | 03 | 04 |
| 192 | 1404 | 1602 | 30101 | 50202 | | | 0502 | 0503 | 0201 | BLANK | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 193 | 1404 | 1602 | | | | | | | | | | 11 | 33 | 1525 | 4006/70 | | |
| 194 | 14 | 16 | 3 | 5 | | | | | | | | 11 | 33 | 15 | 40 | | |
| 195 | | | | | | | | | | | | | | | | | |
| 197 | 1404 | 1602 | 301 | 50202 | 0102 | 0104 | 0502 | 0503 | 0201 | BLANK | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 199 | 14 | 16 | 3 | 5 | | | 05 | 05 | | | | | | | | | |
| 201 | 1404 | 1602 | 30101 | 50202 | | | 0502 | 0503 | 0201 | BLANK | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 203 | 1404 | 1602 | 3 | 5 | | | 05 | 05 | | | | 11 | 33 | 15 | 40 | 03 | 04 |
| 204 | 1404 | 1602 | | | | | | | | | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 205 | 1404 | 1602 | 301 | 50202 | 0102 | 0104 | 0502 | 0503 | 0201 | BLANK | 0103/10 | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 206 | 14 | 16 | | | | | | | | | | 11 | 33 | 15 | 40 | | |
| 207 | NT | NT | | | | | NT | NT | NT | NT | | NT | NT | NT | NT | NT | NT |
| 208 | 14 | 16 | | | | | | | | | | 11 | 33 | 15 | 40 | | |
| 209 | 1404 | 1602 | 30101 | 50202 | 01 | 01 | 0502 | 0503 | | | | 11 | 33 | 15 | 40 | 03 | 04 |
| 210 | | | | | | | | | | | | 1101/21 | 330301 | 1525 | 400601 | 0302 | 0403 |
| 211 | 1404 | 1602 | 301 | 50202 | 0102 | 01 | 0502 | 0503 | 0201 | BLANK | 01 | 1101 | 3301 | 1525 | 4006 | 0302 | 0403 |
| 212 | 1404 | 160201 | 3010102 | 502 | | | 050201 | 050301 | 020102 | BLANK | | 110101 | 330301 | 1525 | 400601 | 030202 | 0403 |
| 213 | 1404 | 1602 | | | | | | | | | | | | 1525 | 4006 | 0302 | 0403 |
| 214 | | | | | | | | | | | | 11 | 33 | 1525 | 400601 | 0302 | 0403 |
| 215 | NT | NT | NT | NT | | | | | | | | | | | | | |
| 216 | 14 | 16 | | | | | 05 | 05 | | | | 11 | 33 | 15 | 40 | 03 | 04 |
| 218 | | | | | | | | | | | | | | | | | |
| 219 | 1404 | 1602 | | | | | 05 | 05 | | | | 11 | 33 | 15 | 40 | | |
| 220 | 1404 | 1602 | | | | | | | | | | 11 | 33 | 15 | 40 | 03 | 04 |
| 221 | | | | | | | | | | | | | | | | | |
| 222 | 14 | 16 | 302 | 501 | | | 05 | 05 | | | | 11 | 33 | 15 | 40 | | |
| 223 | | | | | | | | | | | | | | | | | |
| 224 | | | | | | | | | | | | | | | | | |
| 225 | 1404 | 160101 | 3010101 | BLANK | | | 050101 | 050101 | | | | 1106 | 3301 | 1505 | 400201 | 030201 | 0403 |
| 226 | 14 | 16 | 3 | 5 | | | 05 | 05 | | | | 11 | 33 | 15 | 40 | 03 | 04 |
| 227 | 1404 | 1602 | | | | | 0502 | 0503 | | | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 230 | 1404 | 1602 | 30101 | 50202 | | | 0502 | 0503 | | | | 1101 | 3303 | 1525 | 4006 | 0302/33 | 0403 |

DNA #602

| CENTER | DRB1 | | DRB3/4/5 | | DQA1 | | DQB1 | | DPB1 | | DPA1 | | A-Locus | | B-Locus | | C-Locus | |
|--------|---------|---------|----------|-------|------|------|--------|--------|--------|-------|------|-------|---------|---------|---------|---------|---------|---------|
| 239 | NT | NT | NT | NT | NT | NT | NT | NT | NT | | | | NT | NT | NT | NT | | |
| 278 | 1404 | 1602 | 30101 | 50202 | 0102 | 01 | 0502 | 0503 | 0201 | BLANK | | | 1101/21 | 3303/14 | 1525 | 4006 | 0302 | 0403 |
| 291 | 1404/61 | 1602/11 | 301 | 50202 | 0102 | 0104 | 0502 | 0502/3 | | | | | 11 | 33 | 1525 | 4006/83 | 03 | 0403/6 |
| 401 | | | | | | | | | | | | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 452 | 1404 | 1602 | 30101 | 50202 | | | 0502 | 0503 | 0201 | BLANK | | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 519 | 1404 | 1602 | | | | | 0502 | 0503 | 0201 | BLANK | | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 615 | 1404 | 1602 | 30101 | 50202 | 01 | 01 | 0502 | 0503 | 0201 | BLANK | | | | | | | | |
| 616 | 14 | 16 | | | | | | | | | | | | | | | | |
| 635 | 14 | 16 | 3 | 5 | | | 05 | 05 | | | | | 11 | 33 | 15 | 40 | 03 | 04 |
| 702 | 1404 | 1602 | 30101 | 50202 | 0102 | 01 | 0502 | 0503 | 020102 | BLANK | | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 714 | 1404 | 1602 | | | | | 0502 | 0503 | | | | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 726 | 1404 | 1602 | 301 | 502 | 01 | 01 | 0502 | 0503 | | | | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 732 | 1404 | 160201 | 30101 | 50202 | | | 0502 | 0503 | | | | | 110101 | 330301 | 1525 | 400601 | 030201 | 0403 |
| 743 | 14 | 16 | 3 | 5 | | | 05 | 05 | | | | | NT | NT | NT | NT | NT | NT |
| 805 | 1404 | 1602 | | | | | 0502 | 0503 | | | | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 1018 | 1404 | 1602 | 3 | 5 | 0102 | 0104 | | | | | | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 1113 | 1404 | 1602 | NT | NT | 0102 | 01 | 0502/5 | 0503 | 0201 | BLANK | | | 11 | 33 | 1525 | 4006/70 | 03 | 04 |
| 1189 | 1404 | 1602 | 30101 | 50202 | | | 0502 | 0502/3 | 0201 | BLANK | | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 1212 | NT | NT | NT | NT | | | NT | NT | NT | NT | | | NT | NT | NT | NT | NT | NT |
| 1251 | 1404 | 1602 | 301 | 50202 | 0102 | 0104 | 0502 | 0503 | 0201 | BLANK | | | 1101/37 | 33 | 1525 | 4006 | 0302 | 0403 |
| 1498 | 1404 | 1602 | 30101 | 50202 | 0102 | 0104 | 0502 | 0503 | | | | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 1647 | 14 | 16 | 3 | 5 | | | 05 | 05 | 0201 | BLANK | | | 11 | 33 | 15 | 40 | 03 | 04 |
| 1686 | 1404 | 1602 | 30101 | 50202 | 0102 | 0104 | 0502 | 0503 | 0201 | BLANK | 0103 | BLANK | 1109 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 1905 | 1404 | 1602 | 30101 | 50202 | | | 0502 | 0503 | 0201 | BLANK | | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 2004 | 1404 | 1602 | 30101 | 50202 | 0102 | 0104 | 0502 | 05 | | | | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 2013 | 1404 | 1602 | 301 | 502 | | | 0502 | 0502/3 | | | | | 11 | 33 | 1525 | 4006 | 03 | 04 |
| 2015 | | | | | | | | | | | | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 2019 | 1404 | 1602 | 30101 | 50202 | | | 0502 | 0502/3 | 0201 | BLANK | | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 2063 | 1404 | 1602 | 301 | 50202 | 0102 | 01 | 0502/5 | 0503 | | | | | | | | | | |
| 2347 | 14 | 16 | 3 | 5 | | | 05 | 05 | | | | | 11 | 33 | 15 | 40 | 03 | 04 |
| 2411 | 14 | 16 | | | | | | | | | | | 11 | 33 | 15 | 40 | | |
| 2518 | 14 | 16 | 301 | 502 | | | 05 | 05 | | | | | 11 | 33 | 15 | 40 | 03 | 04 |
| 2549 | 1404 | 1602 | 30101 | 50202 | 0102 | 0104 | 05 | 05 | 0201 | BLANK | | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 3248 | | | | | | | | | | | | | | | | | | |
| 3261 | 1404 | 1602 | | | | | 0502 | 0503 | | | | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 3264 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | | | NT | NT | NT | NT | NT | NT |
| 3324 | 1404 | 1602 | 301 | 502 | 0102 | 01 | 0502 | 0503 | 0201 | BLANK | | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 3325 | 1404 | 1602 | 30101 | 50202 | | | 0502 | 0502/3 | | | | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 3410 | 1404 | 1602 | | | | | 0502 | 0503 | | | | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 3438 | 1404 | 1602 | | | | | 0502 | 0503 | | | | | | | | | | |
| 3522 | 1404 | 1602 | | | 0102 | 0104 | 0502 | 0502/3 | | | | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 3548 | 1404 | 1602/11 | 30101 | 50202 | | | 0502 | 0503 | | | | | 1101/25 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 3582 | 14 | 16 | 301 | 502 | 01 | 01 | NT | NT | NT | NT | | | 11 | 33 | 15 | 40 | NT | NT |
| 3600 | 14 | 16 | 3 | 5 | | | 05 | 05 | | | | | 11 | 33 | 15 | 40 | 03 | 04 |
| 3614 | 1404 | 1602 | | | | | 0502 | 05 | | | | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 3625 | 1404 | 1602 | NT | NT | 0102 | 0104 | 0502/4 | 0503 | 0201 | BLANK | | | 11 | 33 | 1525 | 4006 | 03 | 0403/16 |
| 3807 | 1404 | 1602 | 3 | 5 | 0102 | 0104 | 0502/5 | 0503 | 02 | BLANK | 01 | BLANK | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 3849 | 1404 | 1602 | 301 | 50202 | 0102 | 01 | 0502 | 0503 | | | | | 11 | 33 | 1525 | 40 | 0302/36 | 0403/16 |
| 4237 | 1404 | 1602 | 30101 | 50202 | | | 0502 | 05 | | | | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 4281 | | | | | | | | | | | | | | | | | | |
| 4336 | 1404 | 1602 | | | | | 0502 | 0503 | | | | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 4420 | 1404 | 1602 | | | | | | | | | | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 4545 | 1404 | 1602 | 301 | 50202 | 0102 | 01 | 0502 | 0503 | 0201 | BLANK | | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 4551 | 1404 | 1602 | 30102 | 50202 | | | 0502 | 0503 | 0201 | BLANK | | | 1101/25 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 4582 | 1404 | 1602 | 30101 | 50202 | 0102 | 01 | 0502 | 050301 | | | | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 4585 | 14 | 16 | | | | | 05 | 0503 | | | | | 11 | 33 | 1525 | 4006 | 03 | 0403 |
| 4613 | | | | | | | | | | | | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 4623 | | | | | | | | | | | | | | | | | | |
| 4653 | 1404 | 1602 | | | | | 0502 | 0503 | | | | | 11 | 33 | 1525 | 4006 | 0302 | 0403 |
| 4709 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | | | NT | NT | NT | NT | NT | NT |
| 5204 | | | | | | | | | | | | | 11 | 33 | 15 | 40 | 03 | 04 |
| 5365 | 1404 | 1602 | 30101 | 50202 | 0102 | 01 | 0502 | 0503 | | | | | 11 | 33 | 15 | 40 | 03 | 04 |
| 5720 | 1404 | 1602 | 30101 | 50202 | | | 0502 | 0503 | 0201 | BLANK | | | 1101 | 3303 | 1525 | 4006 | 0302 | 0403 |
| 5982 | 1404 | 160201 | | | | | 050201 | 050301 | 020102 | BLANK | | | 110101 | 330301 | 1525 | 400601 | 0302 | 0403 |
| 6051 | 1404 | 1602 | 301 | 50202 | | | 0502/5 | 0503 | 0201 | BLANK | | | 11 | 33 | 1525 | 4006/70 | 0302 | 0403 |
| 6313 | 14 | 16 | | | | | 0502 | 0502/3 | | | | | 11 | 31 | 15 | 40 | 03 | 04 |
| 9221 | 14 | 16 | 3 | 5 | | | 05 | 05 | | | | | 11 | 33 | 15 | 40 | 03 | 07 |

PARTICIPANTS AND METHODS

| CENTER | DRB1 | DRB3/4/5 | DQA1 | DQB1 | DPB1 | DPA1 | A-Locus | B-Locus | C-Locus |
|--------|----------------------------|----------------------|------------------|--------------------------|----------------------|--------------|------------------------------|------------------------------|------------------------------|
| 7 | RSSO-OL | RSSO-OL | RSSO-OL | RSSO-OL | | | RSSO-OL | RSSO-OL | RSSO-OL |
| 16 | SBT-ATRA/RSSOP-OL | RSSOP-OL/SSP-IVGN | RSSOP-OL | RSSOP-OL | SBT-ATRA/RSSOP-OL | | SBT-ATRA/RSSOP-OL | SBT-ATRA/RSSOP-OL | SBT-ATRA/RSSOP-OL/SSP-IVGN |
| 61 | | | | | | | | | |
| 80 | SSP-OL | SSP-OL | | | | | SSP-OL | SSP-OL | SSP-OL |
| 124 | SBT | SBT | RSSO-LUM | SBT | SBT | | SBT | SBT | SBT |
| 131 | SSP-IVGN/RSSO-LUM-OL | SSP-IVGN/RSSO-LUM-OL | | SSP-IVGN/RSSO-LUM-OL | | | SSP-IVGN/RSSO-LUM-OL | SSP-IVGN/RSSO-LUM-OL | SSP-IVGN/RSSO-LUM-OL |
| 134 | SBT-ATRA/SSP-GV | SSP-GV | | SSP-GV | SBT-ATRA/SSP-GV | | SBT-ATRA/SSP-GV | SBT-ATRA/SSP-GV | SBT-ATRA/SSP-GV |
| 138 | SBT-ATRA/SSP-GV/SSOP-OL | | | SBT-ATRA/SSP-GV/SSOP-OL | | | SBT-ATRA/SSP-GV/SSOP-OL | SBT-ATRA/SSP-GV/SSOP-OL | SBT-ATRA/SSP-GV/SSOP-OL |
| 139 | SSO-LUM | SSO-LUM | | | | | SSO-LUM | SSO-LUM | |
| 142 | | | | | | | | | |
| 144 | SBT-PRTRNS | | | SBT-PRTRNS | | | SBT-PRTRNS | SBT-PRTRNS | SBT-PRTRNS |
| 147 | SSO-OL | SSO-OL/SSP-OLRP | SSO-OL/SSP-DYNL | SSO-OL/SSP-OLRP | SSP-OLRP | | SSO-OL/SSP-OLRP | SSO-OL/SSP-OLRP | SSP-DYNL-OLRP |
| 148 | RSSO-IVGN | | | RSSO-IVGN | | | RSSO-IVGN | RSSO-IVGN | RSSO-IVGN |
| 151 | SBT-IVGN/SSO-IVGN/SSP-IVGN | | | SBT-IVGN/SSP-IVGN | | | SBT-IVGN/SSO-IVGN/SSP-IVGN | SBT-IVGN/SSO-IVGN/SSP-IVGN | SBT-IVGN/SSP-IVGN |
| 152 | | | | | | | | | |
| 153 | SSO-DYNL/SSP-GV | SSO-DYNL/SSP-GV | | SSO-DYNL/SSP-GV | | | SSO-DYNL/SSP-GV | SSO-DYNL/SSP-GV | SSO-DYNL/SSP-GV |
| 155 | | | | | | | SBT/SSP | SBT/SSP | SBT/SSP |
| 156 | SBT-ABT/SSP-GV/SSO-DYNL | | | SBT-ABT/SSP-GV/SSO-DYNL | | | SBT-ABT/SSP-GV/SSO-DYNL | SBT-ABT/SSP-GV/SSO-DYNL | SBT-ABT/SSP-GV/SSO-DYNL |
| 158 | SSO-LUM-OL | SSP-IVGN | | SSP-OL | SSP-OLRP | | SSP-IVGN | SSP-IVGN | SSP-IVGN |
| 160 | SBT/SSP-DYNL | SSP-DYNL | | SBT-ATRA/SSP-DYNL | | | SBT-ATRA/SSP-OLRP | SBT-ATRA/SSP-OLRP | SBT-ATRA/SSP-OLRP |
| 162 | SBT-BIOSWM/SSP | | | SBT-BIOSWM/SSP | | | SBT-BIOSWM/SSP | SBT-BIOSWM/SSP | SBT-BIOSWM/SSP |
| 163 | | | | | SBT-ATRA/SSP-OLRP | | | | SBT-ATRA |
| 164 | SSO-INNLPA | | | | | | SSO-INNLPA | SSO-INNLPA | |
| 166 | | | | | | | SSP-IVGN | SSP-IVGN | SSP-IVGN |
| 167 | SBT-OL/SSP/SSO | | | SBT-OL/SSP | | | SBT-OL/SSP/SSO | SBT-OL/SSP/SSO | SBT-OL/SSP |
| 168 | SSOP-DYNL | | | | | | SSOP-DYNL | SSOP-DYNL | |
| 170 | | | | | | | | | |
| 171 | SSP-DYNL-OL | SSP-OL | | SSP-DYNL-OL | | | SSP-OL | SSP-OL | SSP-OL |
| 173 | SBT-ATRIA | | SSO-DYNL | SSO-DYNL | | | SSO-DYNL | SSO-DYNL | |
| 174 | RSSOP-OL | | | | | | RSSOP-OL | RSSOP-OL | |
| 175 | SBT-IVGN/SSO-DYNL | | | SSO-DYNL/SSP-IVGN | | | SSO-DYNL/SSP-IVGN | SSO-DYNL/SSP-IVGN | SSO-DYNL |
| 176 | SBT-CAPBIO/SSOP | | | | | | SBT-CAPBIO/SSOP | SBT-CAPBIO/SSOP | |
| 179 | SBT | SSO | SBT | SSO | | | SBT | SBT | SBT |
| 180 | SSP-OL-OLRP | SSP-OL-OLRP | SSP-OL-OLRP | SSP-OL-OLRP | SSP-OL-OLRP | | SSP-OL-OLRP | SSP-OL-OLRP | SSP-OL-OLRP |
| 185 | SBT-IN-HOUSE | | | SBT-IN-HOUSE | | | SBT-IN-HOUSE | SBT-IN-HOUSE | SBT-IN-HOUSE |
| 186 | SSP-LUM-OL-OLRP | SSP-OLRP | SSOP-OLRP | SSP-OLRP | SSP-OLRP | | SBT-ATRIA/SSP-OLRP | SBT-ATRIA/SSP-OLRP | SSP-OLRP |
| 187 | SBT | | | SBT | SBT | | SBT | SBT | SBT |
| 188 | SBT-IN-HOUSE/SSO-OL | SSO-OL | | | | | | | |
| 189 | RSSO-OL/SSP-IN-HOUSE | RSSO-OL/SSP-IN-HOUSE | RSSO-OL | RSSO-OL/SSP-IN-HOUSE | | | SBT-ATRA/RSSO-OL/SSP-IVGN | SBT-ATRA/RSSO-OL/SSP-IVGN | SBT-ATRA/RSSO-OL/SSP-IVGN |
| 190 | SSP-OLRP | SSP-OLRP | | SSP-OLRP | | | SSP-OLRP | SSP-OLRP | SSP-OLRP |
| 192 | SBT/SSP | SSP | | SBT/SSP | SSP | | SBT/SSP | SBT/SSP | SBT/SSP |
| 193 | SSO-OL | | | | | | SSO-OL | SSO-OL | |
| 194 | | | | | | | | | |
| 195 | | | | | | | | | |
| 197 | SBT-QGN/RSSO-OL | RSSO-OL | SSP-IVGN | SBT-QGN/RSSO-OL/SSP-IVGN | SBT-QGN/OL | | SBT-QGN/RSSO-OL | SBT-QGN/RSSO-OL | SBT-QGN/RSSO-OL |
| 199 | | | | | | | | | |
| 201 | SSP-IVGN | SSP-IVGN-OLRP | | SSP-OLRP-PRTRNS | SSP-OLRP | | SSP-IVGN | SSP-IVGN | SSP-IVGN |
| 203 | SSP-OL | SSP-OL | | SSP-OL | | | SSP-OL | SSP-OL | SSP-OL |
| 204 | SBT-BIOWM | | | | | | SBT-BIOWM | SBT-BIOWM | SBT-BIOWM |
| 205 | SBT-ABT/RSSO-OL/SSP-IVGN | RSSO-OL | RSSO-OL/SSP-IVGN | SBT-ATRA/RSSO-OL | SBT-ABT/SSP-IVGN | SSP-IVGN | SBT-ABT/RSSO-OL/SSP-IVGN | SBT-ABT/RSSO-OL/SSP-IVGN | SBT-ABT/RSSO-OL/SSP-IVGN |
| 206 | SSO-OL | | | | | | SSO-OL | SSO-OL | |
| 207 | RSSO-LUM-OL/SSP-OLRP | | | SBT-ABT | SBT-ABT | | SBT-ABT/SSP-OLRP-RSSO-LUM-OL | SBT-ABT/SSP-OLRP-RSSO-LUM-OL | SBT-ABT/SSP-OLRP-RSSO-LUM-OL |
| 208 | SSP-IVGN | | | | | | SSP-IVGN | SSP-IVGN | |
| 209 | SSO-OL/SSP-OLRP | SSO-OL/SSP-OLRP | SSO-OL | SSO-OL/SSP-OLRP | | | SSO-OL/SSP-OLRP | SSO-OL/SSP-OLRP | SSO-OL |
| 210 | | | | | | | SBT | SBT | SBT |
| 211 | SSO-LUM/SSP-OLRP | SSO-LUM | SSO-LUM | SSO-LUM/SSP-OLRP | SBT-IN-HOUSE/SSO-LUM | SSP-IN-HOUSE | SBT-IN-HOUSE/SSO-LUM | SBT-IN-HOUSE/SSO-LUM | SBT-IN-HOUSE/SSO-LUM |
| 212 | SBT-IN-HOUSE | SBT-IN-HOUSE | | SBT-IN-HOUSE | SBT-IN-HOUSE | | SBT-IN-HOUSE | SBT-IN-HOUSE | SBT-IN-HOUSE |
| 213 | SBT-ABT | | | | | | | SBT-ABT | SBT-ABT |
| 214 | | | | | | | | | |
| 215 | SSP-BIOTST | SSP-BIOTST | | | | | | | |
| 216 | | | | | | | | | |
| 218 | | | | | | | | | |
| 219 | SSP-IVGN | | | SSP-IVGN | | | SSP-IVGN | SSP-IVGN | |
| 220 | SSP-IVGN | | | | | | SSP-IVGN | SSP-IVGN | SSP-IVGN |
| 221 | | | | | | | | | |
| 222 | SSP-IVGN | SSP-IVGN | | SSP-IVGN | | | SSP-IVGN | SSP-IVGN | |
| 223 | | | | | | | | | |
| 224 | | | | | | | | | |
| 225 | SSP-IVGN | SSP-IVGN | | SSP-IVGN | | | SSP-IVGN | SSP-IVGN | SSP-IVGN |
| 226 | RSSO-LABTYPE | | | RSSO-LABTYPE | | | RSSO-LABTYPE | RSSO-LABTYPE | RSSO-LABTYPE |
| 227 | SBT/SSOP | | | SBT/SSOP | | | SBT-ABT/SSOP-OL | SBT/SSOP | SBT/SSOP |
| 230 | SSP-GP | SSP-QGN | | | | | SSO-GP | SSP-QGN | |

PARTICIPANTS AND METHODS

| CENTER | DRB1 | DRB3/4/5 | DQA1 | DQB1 | DPB1 | DPA1 | A-Locus | B-Locus | C-Locus |
|--------|-------------------------------|---------------------------|-------------------|-------------------------------|----------------------|-----------|-------------------------------|-------------------------------|-------------------------------|
| 239 | SSP-OL | SSP-OL | SSP-QGN | SSP-OL | | | SSP-OL | SSP-OL | |
| 278 | SSP/RSSOP | SSP/RSSOP | RSSOP | SSP/RSSOP | RSSOP | | SSP/RSSOP | SSP/RSSOP | SSP/RSSOP |
| 291 | RSSOP-INLPA | RSSOP-INLPA | RSSOP-INLPA | RSSOP-INLPA | | | RSSOP-INLPA | RSSOP-INLPA | RSSOP-INLPA |
| 401 | | | | | | | SBT-IN-HOUSE | SBT-CLRA-IN-HOUSE | SBT-IN-HOUSE |
| 452 | SBT-ATRA/SSO-LUM/SSP-IVGN-QGN | SSP | | SBT-ATRA/SSO-LUM/SSP-IVGN-QGN | SSP | | SBT-ATRA/SSO-LUM/SSP-IVGN-QGN | SBT-ATRA/SSO-LUM/SSP-IVGN-QGN | SBT-ATRA/SSO-LUM/SSP-IVGN-QGN |
| 519 | SBT-ATRA | | | SBT-ATRA | SSP-IVGN | | SBT-ATRA | SBT-ATRA | SBT-ATRA |
| 615 | SBT | SBT | SSP | SBT | SBT | | | | |
| 616 | SSP-OLRP | | | | | | | | |
| 635 | SSP-OL | SSP-OL | | SSP-OL | | | SSP-OL | SSP-OL | SSP-OL |
| 702 | SBT/SSO | SSP | SSO | SBT/SSO | SBT | | SBT/SSO | SBT/SSO | SBT/SSO |
| 714 | SBT-QGN/ATRA | | | SBT-QGN | | | SBT-QGN | SBT-QGN | SBT-QGN |
| 726 | RSSO-OL/SSP-IVGN-OLRP | PCR-RSSO | PCR-RSSO | RSSO-OL/SSP-IVGN-OLRP | | | RSSO-OL/SSP-IVGN-OLRP | RSSO-OL/SSP-IVGN-OLRP | RSSO-OL/SSP-IVGN-OLRP |
| 732 | SBT/SSO/SSP | SBT-IN-HOUSE | | SBT-IN-HOUSE | | | SBT-IN-HOUSE | SBT-IN-HOUSE | SBT-IN-HOUSE |
| 743 | SSP-IVGN | SSP-IVGN | | SSP-IVGN | | | SSP-IVGN | SSP-IVGN | SSP-IVGN |
| 805 | SBT-ATRA/RSSO-LUM/SSP-IVGN | | | SBT-ATRA/RSSO-LUM/SSP-IVGN | | | SBT-ATRA/RSSO-LUM | SBT-ATRA/RSSO-LUM | SBT-ATRA/RSSO-LUM |
| 1018 | SBT-ATRA/SSP-OL | SSP-OL | SSP-IVGN | | | | SBT-ATRA/SSP-OL-IVGN | SBT-ATRA/SSP-OL-IVGN | SBT-ATRA/SSP-OL-IVGN |
| 1113 | SBT-ATRA/SSO-LUM/SSP-GV | SSP-GV | SSO-LUM | SSO-LUM/SSP-BNBIS | SBT-ATRA/SSP-GV | | SBT-ATRA/SSO-LUM/SSP-GV | SBT-ATRA/SSO-LUM/SSP-GV | SBT-ATRA/SSO-LUM/SSP-GV |
| 1189 | SSP-IVGN | SSP-IVGN | | SSP-IVGN | SSP-IVGN | | SSP-IVGN | SSP-IVGN | SSP-IVGN |
| 1212 | SSO-LUM-OL | SSP-IVGN | | SSP-OL | SSP-IVGN | | SSO-LUM-OL/SSP-IVGN | SSO-LUM-OL/SSP-IVGN | SSO-LUM-OL/SSP-IVGN |
| 1251 | RSSO | SSP | RSSO/SSP | RSSO/SSP | SSP-OLRP | | RSSO/SSP | RSSO/SSP | RSSO/SSP |
| 1498 | SSO-IN-HOUSE | SSP-IVGN | SSP-IVGN | SSP-IVGN | | | SBT | SBT | SBT |
| 1647 | SSO-TEP | SSO-TEP | | SSO-TEP | SSP-IVGN | | SSO-TEP | SSO-TEP | SSO-TEP |
| 1686 | SSP-OLRUP | SSP-OLRUP | SSP-OLRUP | SSP-OLRUP | SSP-OLRUP | SSP-OLRUP | SSP-OLRUP | SSP-OLRUP | SSP-OLRUP |
| 1905 | SSOP-AMB/SSO-OL/SSP-IVGN | SSP-IVGN | | SSOP-AMB/SSO-OL/SSP-IVGN | SSP-IVGN/SSOP-AMB | | SSOP-AMB/SSO-OL/SSP-IVGN | SSOP-AMB/SSO-OL/SSP-IVGN | SSOP-AMB/SSO-OL/SSP-IVGN |
| 2004 | SSO-GTI/SSP-OLRP/SSP-IVGN | SSO-GTI/SSP-OLRP/SSP-IVGN | SSP-IVGN-OLRP | SSO-GTI/SSP-OLRP/SSP-IVGN | | | SSO-GTI/SSP-OLRP/SSP-IVGN | SSO-GTI/SSP-OLRP/SSP-IVGN | SSO-GTI/SSP-OLRP/SSP-IVGN |
| 2013 | SSOP-LUM/SSP-DYNL | SSOP-LUM | | SSOP-LUM | | | SSOP-LUM | SSOP-LUM | SSOP-LUM |
| 2015 | | | | | | | | | |
| 2019 | SSO-INGNTCS/SSP-OLRP | SSP-OLRP | | SSO-INGNTCS/SSP-OLRP | SSO-INGNTCS/SSP-OLRP | | SBT-ABT/SSP-GV/SSO-BIOTST | SBT-ABT/SSP-GV/SSO-BIOTST | SBT-ABT/SSP-GV/SSO-BIOTST |
| 2063 | SSO/SSP | SSO | SSO | SSO | | | SSO-INGNTCS/SSP-OLRP | SSO-INGNTCS/SSP-OLRP | SSO-INGNTCS/SSP-OLRP |
| 2347 | SSO/RSSO | SSO/RSSO | | SSO/RSSO | | | SSO/RSSO | SSO/RSSO | SSO/RSSO |
| 2411 | SSO-LUM | | | | | | SSO-LUM | SSO-LUM | |
| 2518 | SSO-OL | SSO-OL | | SSO-OL/SSP-OL | | | SSO-OL/SSP-OL | SSO-OL/SSP-OL | SSO-OL |
| 2549 | SBT-ATRA/SSO-BIOTST/SSP-IVGN | SSP-IVGN | SSP-IVGN | SSO-BIOTST/SSP-IVGN | SBT-Atria | | SBT-ATRA/SSO-BIOTST/SSP-IVGN | SBT-ATRA/SSO-BIOTST/SSP-IVGN | SBT-ATRA/SSO-BIOTST/SSP-IVGN |
| 3248 | | | | | | | | | |
| 3261 | SBT-QGN | | | SBT-QGN | | | SBT-QGN | SBT-QGN/SSP-IVGN | SBT-QGN |
| 3264 | SBT-ATRA/SSO-LUM/SSP-GV | SSP-GV | SSO-LUM | SBT-ATRA/SSO-LUM | SBT-ATRA/SSP-GV | | SBT-ATRA/SSP-GV | SBT-ATRA/SSO-LUM/SSP-GV | SBT-ATRA/SSP-GV |
| 3324 | SBT-ATRA/SSO-TPNL | SBT-ATRA/SSO-TPNL | SBT-ATRA/SSO-TPNL | SBT-ATRA/SSO-TPNL | SBT-ATRA/SSO-TPNL | | SBT-ATRA/SSO-TPNL | SBT-ATRA/SSO-TPNL | SBT-ATRA/SSO-TPNL |
| 3325 | SSP-IVGN | SSP-IVGN | | SSP-IVGN | | | SSP-IVGN | SSP-IVGN | SSP-IVGN |
| 3410 | SBT/SSP-OLRP-GV | | | SBT/SSP-OLRP-GV | | | SBT/SSP-OLRP-GV | SBT/SSP-OLRP-GV | SBT/SSP-OLRP-GV |
| 3438 | SBT-ABT | | | SBT-ABT | | | SBT/SSP-OLRP-GV/RSSO-DYNL | SBT/SSP-OLRP-GV | SBT/SSP-OLRP-GV |
| 3522 | SBT-IVGN | | | SSO-INGNTCS | | | SBT-IVGN | SBT-IVGN | SBT-IVGN |
| 3548 | SSP-OL | SSP-OL | | SSP-OL | | | SSP-IVGN | SSP-IVGN | SSP-IVGN |
| 3582 | SBT/SSO-LUM | SBT/SSO-LUM | SSO-LUM | SBT | SBT | | SBT/SSO-LUM | SBT/SSO-LUM | SBT |
| 3600 | SSP-IVGN | SSP-OL | | | | | SSP-IVGN | SSP-OL | |
| 3614 | SSO-OL | | | SSP-OL | | | SSP-OL/SSO-OL | SSP-OL/SSO-OL | SSP-OL/SSO-OL |
| 3625 | SBT/SSP | SSP | SSP | SSP | SSP | | SSP | SBT/SSP | SSP |
| 3807 | SSP-IVGN | SSP-IVGN | SSP-IVGN | SSP-IVGN | SSP-IVGN | SSP-IVGN | SSP-IVGN | SSP-IVGN | SSP-IVGN |
| 3849 | SSOP-IN-HOUSE/SSP-IVGN | SSOP-IN-HOUSE | SSOP-LUM | SBT-ABT/SSOP-IN-HOUSE | | | SSOP-IN-HOUSE | SSOP-IN-HOUSE | SSOP-IN-HOUSE |
| 4237 | SBT-PRTRNS | SSP-OLRP | | SSP-OLRP | | | SBT-ATRA/SSP-OLRP/RSSO-OL | SBT-ATRA/SSP-OLRP/RSSO-OL | SSP-OLRP/RSSO-OL |
| 4281 | | | | | | | | | |
| 4336 | SBT-ATRA/SSCP | | | SBT-ATRA | | | SBT-ATRA | SBT-ATRA | SBT-ATRA |
| 4420 | WAK-FLOW | | | | | | WAK-FLOW | WAK-FLOW | WAK-FLOW |
| 4545 | SBT/SSOP | SSOP | SSOP | SBT | SBT | | SBT-CLRA/SSOP-OL | SBT-CLRA/SSOP-OL/SSP-IVGN | SBT-CLRA/SSOP-OL/SSP-OLRP |
| 4551 | SSP-OLRP/SSO-OL | SSP-OLRP | | SSP-OLRP/SSO-OL | SSP-IVGN | | SBT-PRTRNS/SSP-IVGN/SSO-OL | SSO-OL/SSP-IVGN | SSO-OL/SSP-IVGN |
| 4582 | SSO-OL/SSP-IVGN | SSO-OL/SSP-IVGN | SSO-OL | SSO-OL/SSP-IVGN | | | SSO-OL/SSP-IVGN | SSO-OL/SSP-IVGN | SSO-OL/SSP-IVGN |
| 4585 | SSO-DYNL | | | SSO-DYNL | | | SSO-DYNL | SSO-DYNL | SSO-DYNL |
| 4613 | | | | | | | SBT-ATRA/SSP-OLRP | SBT-ATRA/SSP-OLRP | SBT-ATRA/SSP-OLRP |
| 4623 | | | | | | | | | |
| 4653 | SBT-IN-HOUSE/SSP-IN-HOUSE | | | SSP-IN-HOUSE | | | SBT-IN-HOUSE/SSP-IN-HOUSE | SBT-IN-HOUSE/SSP-IN-HOUSE | SBT-IN-HOUSE/SSP-IN-HOUSE |
| 4709 | SSO-OL | SSP-OL | SSP-OLRP | SSO-OL/SSP-OL | SSP-OLRP | | SSO-OL/SSP-OLRP | SSO-OL/SSP-OLRP | SSO-OL/SSP-OLRP |
| 5204 | | | | | | | SSP-OL-PF | SSP-OL-PF | SSP-OL-PF |
| 5365 | SSO-OL/SSP-OL | SSO-OL/SSP-OL | SSO-OL | SSO-OL/SSP-OL | | | SSO-OL/SSP-OL-IVGN | SSO-OL/SSP-OL | SSO-OL/SSP-OL |
| 5720 | SBT-PRTRNS/SSO-TPNL | SSP-GV/SSO-OL | | SBT-ATRA-PRTRNS/SSO-TPNL | SBT-ATRA/SSP-PF | | SBT-PRTRNS/SSP-PF/SSO-TPNL | SBT-PRTRNS/SSO-TPNL | SBT-PRTRNS/SSP-PF/SSO-TPNL |
| 5982 | SBT | | | SBT | SBT | | SBT | SBT | SBT |
| 6051 | SSO-OL | SSO-OL | | SSO-OL | SSO-OL | | SSO-OL | SSO-OL | SSO-OL |
| 6313 | SSOP-INGNTCS | | | SSOP-INGNTCS | | | SSOP-INGNTCS | SSOP-INGNTCS | SSOP-INGNTCS |
| 9221 | SSP-IVGN | SSP-IVGN | | SSP-IVGN | | | | | |