

UCLA INTERNATIONAL HLA DNA EXCHANGE

116TH SUMMARY

NOVEMBER 14, 2012

MEGAN ANDERSON, MARIE LAU, JOHN MURAMOTO
J. MICHAEL CECKA, PH.D AND ELAINE F. REED, PH.D



| DNA Sample | |
|------------|------|
| #717 | #720 |
| #718 | #721 |
| #719 | #722 |

DNA #717 CAUCASIAN

| | ALLELE | | AGREEMENT (n/total) | | SBT LABS |
|-------|--------|-------|----------------------|---------|--------------|
| | #1 | #2 | low | high | Allele level |
| A* | 11:01 | 74:01 | 215/218 | 118/121 | 87/108 |
| B* | 07:02 | 53:01 | 217/218 | 128/128 | 91/108 |
| C* | 04:01 | 07:02 | 196/196 | 114/114 | 83/106 |
| DRB1* | 04:01 | 13:02 | 220/220 | 149/149 | 96/102 |
| DRB3* | 03:01 | | 54/57 | 39/40 | 6/6 |
| DRB4* | 01:03 | | 54/57 | 29/31 | 3/6 |
| DQA1* | 01:02 | 03:03 | 98/98 | 43/47 | 4/6 |
| DQB1* | 03:01 | 05:01 | 202/202 | 140/140 | 78/84 |
| DPB1* | 04:01 | 13:01 | 90/90 | 79/79 | 35/40 |
| DPA1* | 01:03 | 02:01 | 34/34 | 24/24 | 2/2 |

This sample from a Caucasian donor has an agreement greater than 90%, except at the DQA1-locus.

This sample was previously sent in Exchange #24 as DNA #167 (1997). Agreement for DQA1*03:03 increased from 54% to 82%. Four labs mistyped DQA1*03:03 as DQA1*03:01. DQA1*03:03 differs from DQA1*03:01 in exon 3 in codon 160 (GCT->GAT), resulting in an amino acid change (Ala->Asp).

Discrepancies or ambiguities reported:

| | |
|----------------------------------|-------------------------------------------------------|
| A*: 01:XX, 03:XX, 11:02, 74:02/6 | Not excluded: 11:02, 74:02 |
| B*: 51:XX | Not excluded: 07:07/61, 53:02/8 |
| C*: | Not excluded: 04:03/7/9N/30/82, 07:01/48/50/66/125 |
| DRB1*: | Not excluded: 04:02/35, 13:01/36/99 |
| DRB3*: 01:01:02:01/2, 02:XX | Not excluded: 03:03 |
| DRB4*: 01:01:01:01/2 | Not excluded: |
| DQA1*: 03:01/2 | Not excluded: 01:08, 03:02 |
| DQB1*: | Not excluded: 03:04/19/21/27, 05:02/7/12 |
| DPB1*: | Not excluded: 120:01N, 107:01, 133:01 |
| DPA1*: | Not excluded: 01:10, 02:02 |

DNA #718 CAUCASIAN

| | ALLELE | | AGREEMENT (n/total) | | SBT LABS |
|-------|--------|-------|----------------------|---------|--------------|
| | #1 | #2 | low | high | Allele level |
| A* | 02:01 | 32:01 | 221/222 | 130/131 | 94/106 |
| B* | 35:01 | 52:01 | 222/222 | 123/123 | 82/106 |
| C* | 03:04 | 12:02 | 201/202 | 134/134 | 89/104 |
| DRB1* | 04:07 | 15:02 | 222/224 | 129/132 | 83/100 |
| DRB4* | 01:03 | | 60/60 | 32/34 | 3/5 |
| DRB5* | 01:02 | | 61/61 | 33/35 | 4/5 |
| DQA1* | 01:03 | 03:01 | 100/100 | 65/65 | 4/6 |
| DQB1* | 03:02 | 06:01 | 203/204 | 148/148 | 80/82 |
| DPB1* | 04:01 | 04:02 | 90/90 | 76/76 | 32/38 |
| DPA1* | 01:03 | | 17/17 | 13/13 | 1/1 |

This sample from a Caucasian donor has an agreement greater than 90%.

This sample was previously sent in Exchange #15 as DNA #118 (1996). This retyping updates A*02 to the allele level as A*02:01. The B locus was also typed to the allele level, with B*35:01 and B*52:01 detected in complete consensus. Agreement for DRB4*01:03 increased from 56% to 94%. A*32:01-B*52:01-C*12:02 and A*02:01-B*35:01-C*03:04 are the likely class I associations, as found on the NMDP HaploStats website (HF = 0.0004117 and HF=0.00005422, respectively).

Discrepancies or ambiguities reported:

| | |
|-------------------------------------|----------------------------------------|
| A*: 74:02 | Not excluded: 02:01L/2L/9, 32:02 |
| B*: | Not excluded: 35:03/24/42, 52:05/7/11 |
| C*: | Not excluded: 03:02/38 |
| DRB1*: 01:24, 04:01/2, 15:01, 16:XX | Not excluded: 04:03/92, 15:01/19/44/58 |
| DRB4*: 01:01:01/2 | Not excluded: |
| DRB5*: 01:01:01:01 | Not excluded: 01:01/8N/10N |
| DQA1*: 03:02/3 | Not excluded: 03:02 |
| DQB1*: 03:XX | Not excluded: 03:05/32/37, 06:02/43 |
| DPB1*: | Not excluded: 105:01, 120:01N, 126:01 |
| DPA1*: | Not excluded: 01:06/10 |

DNA #719 CAUCASIAN

| | ALLELE | | AGREEMENT (n/total) | | SBT LABS |
|--------------|--------|-------|----------------------|---------|--------------|
| | #1 | #2 | low | high | Allele level |
| A* | 03:01 | 25:01 | 209/210 | 115/115 | 83/106 |
| B* | 18:01 | 35:01 | 210/210 | 111/111 | 75/104 |
| C* | 04:01 | 12:03 | 188/188 | 117/117 | 81/100 |
| DRB1* | 01:01 | | 106/106 | 70/70 | 46/50 |
| DQA1* | 01:01 | | 46/46 | 16/16 | 2/3 |
| DQB1* | 05:01 | | 97/97 | 63/63 | 36/41 |
| DPB1* | 04:02 | 17:01 | 80/80 | 71/71 | 32/36 |
| DPA1* | 01:03 | 02:01 | 34/34 | 23/23 | 2/2 |

This sample from a Caucasian donor has an agreement of 100%.
 This sample probably contains the extended haplotype, A*03:01-B*35:01-C*04:01-DRB1*01:01-DQB1*05:01, which is commonly found in Caucasians (HF = 0.01259). A*25:01-B*18:01-C*12:03-DRB1*01:01-DQB1*05:01 is the other likely haplotype (HF = 0.00102).
 Seven labs, including six sequencing labs, were unable to distinguish B*35:01 from the rare B*35:42. B*35:42 differs from B*35:01 in exon 1, at position 25 (G->C) and position 72 (C->T), as noted in *Sequence analysis of exons 1, 2, 3, 4, and 5 of the HLA-B5/35 cross-reacting group* (Swelson, et al. Tissue Antigens 2002 Nov;60:224-234).

Discrepancies or ambiguities reported:

| | | |
|--------|-------|----------------------------------------------|
| A*: | 24:XX | Not excluded: 03:01N/8/56, 25:02/7/10 |
| B*: | | Not excluded: 18:02/7/17N/36, 35:03/20/42/93 |
| C*: | | Not excluded: 04:03/9N/82, 12:04/23 |
| DRB1*: | | Not excluded: 01:02/22 |
| DQA1*: | | Not excluded: 01:04/8 |
| DQB1*: | | Not excluded: 05:02/7/12 |
| DPB1*: | | Not excluded: 105:01, 131:01 |
| DPA1*: | | Not excluded: 01:10, 02:02 |

DNA #720 HISPANIC

| | ALLELE | | AGREEMENT (n/total) | | SBT LABS |
|--------------|--------|-------|----------------------|---------|--------------|
| | #1 | #2 | low | high | Allele level |
| A* | 01:01 | | 90/90 | 60/60 | 46/55 |
| B* | 08:01 | 18:01 | 182/182 | 112/112 | 85/110 |
| C* | 07:01 | | 93/93 | 59/59 | 43/53 |
| DRB1* | 03:01 | 11:04 | 210/212 | 131/131 | 85/104 |
| DRB3* | 01:01 | 02:02 | 100/104 | 52/54 | 5/10 |
| DQA1* | 05:01 | 05:05 | 86/88 | 36/40 | 4/6 |
| DQB1* | 02:01 | 03:01 | 192/192 | 136/136 | 71/84 |
| DPB1* | 02:01 | 04:01 | 76/76 | 69/69 | 37/38 |
| DPA1* | 01:03 | | 15/15 | 12/12 | 1/1 |

This sample from a Hispanic donor has an agreement greater than 90%, except at the DQA1 locus.
 Two different DQA1*05 subtypes were present in this sample. DQA1*05:01 was typed with an agreement of 100%. DQA1*05:05 was typed with an agreement of 60%. DQA1*05:10 was incorrectly assigned by 4 labs. DQA1*05:01 could not be excluded by 3 labs, DQA1*05:09 could not be excluded by 1 lab, and DQA1*05:11 could not be excluded by 1 lab. DQA1*05:10 differs from DQA1*05:05 in exon 2 in codon 77 (ATT->GTT), resulting in an amino acid change (Ile->Asp). DQA1*05:01 differs from DQA1*05:05 by a silent substitution in exon 3 in codon 172 (GGA->GGC).
 The likely class II associations are DRB1*03:01-DQB1*02:01 and DRB1*11:04-DQB1*03:01, according to the NMDP Bioinformatics website (HF = 0.07328 and HF=0.02412, respectively).

Discrepancies or ambiguities reported:

| | | |
|--------|------------------------|---------------------------------------------|
| A*: | | Not excluded: 01:01N/4N |
| B*: | | Not excluded: 08:04/19N/71, 18:02/17N/40 |
| C*: | | Not excluded: 07:02/6/8 |
| DRB1*: | 01:XX, 13:XX | Not excluded: 03:04/52/68/68N, 11:01/46/104 |
| DRB3*: | 01:01:02:01/2/7, 02:XX | Not excluded: 01:02/12/15, 02:21/27 |
| DQA1*: | 02:XX, 03:XX, 05:10 | Not excluded: 05:01/5/9/11 |
| DQB1*: | | Not excluded: 02:02/3/5, 03:04/19/21/27 |
| DPB1*: | | Not excluded: 120:01N, 123:01, 126:01 |
| DPA1*: | | Not excluded: 01:10 |

DNA #721 BLACK

| | ALLELE | | AGREEMENT (n/total) | | SBT LABS |
|-------|--------|-------|----------------------|---------|--------------|
| | #1 | #2 | low | high | Allele level |
| A* | 31:01 | 34:01 | 207/210 | 125/125 | 97/108 |
| B* | 13:01 | 49:01 | 209/210 | 124/124 | 91/108 |
| C* | 07:01 | 12:03 | 188/188 | 116/116 | 81/104 |
| DRB1* | 01:02 | 14:54 | 212/212 | 124/130 | 83/102 |
| DRB3* | 02:02 | | 50/52 | 23/24 | 2/4 |
| DQA1* | 01:01 | 01:04 | 88/88 | 29/32 | 4/6 |
| DQB1* | 05:01 | 05:02 | 192/192 | 131/132 | 77/82 |
| DPB1* | 01:01 | 04:01 | 80/80 | 74/74 | 38/40 |
| DPA1* | 01:03 | 02:02 | 29/30 | 22/24 | 2/2 |

This sample from a Black donor has an agreement greater than 90%, except at the DRB1 and DQA1 loci.

DRB1*14:54 was typed with an agreement of 89%, which is a slight improvement from the 83% detection level for this same DRB1*14 allele typed in DNA #712 (September 2012). DRB1*14:01 was mistyped by 5 labs in this send-out.

DRB1*01:02-DQB1*05:01 is commonly found in Black populations, with HF=0.03729. Therefore, the likely extended class II haploypes in this cell are DRB1*01:02-DQB1*05:01-DQA1*01:01 and DRB1*14:54-DRB3*02:02-DQB1*05:03-DQA1*01:04.

Discrepancies or ambiguities reported:

| | |
|-------------------------|--------------------------------------------|
| A*: 11:XX, 26:XX, 66:XX | Not excluded: 31:02/6, 34:02/5 |
| B*: 39:XX | Not excluded: 13:02/23/43/52, 49:06/10/13 |
| C*: | Not excluded: 07:02/5/6/18, 12:04/10/23/28 |
| DRB1*: 14:01/7/8 | Not excluded: 01:01, 14:01/113 |
| DRB3*: 01:01:02:01/2 | Not excluded: 02:27/28/29N |
| DQA1*: 01:01 | Not excluded: 01:01/4 |
| DQB1*: 05:03 | Not excluded: 05:01/2/7/14 |
| DPB1*: | Not excluded: 120:01N/126:01 |
| DPA1*: 02:01, 03:02 | Not excluded: 01:10, 02:04 |

DNA #722

| | ALLELE | | AGREEMENT (n/total) | | SBT LABS |
|-------|--------|-------|----------------------|---------|--------------|
| | #1 | #2 | low | high | Allele level |
| A* | 03:01 | 29:02 | 210/210 | 119/121 | 91/108 |
| B* | 07:02 | 44:03 | 210/210 | 113/113 | 82/108 |
| C* | 07:02 | 16:01 | 188/188 | 113/114 | 78/104 |
| DRB1* | 14:54 | 15:01 | 209/212 | 117/124 | 79/102 |
| DRB3* | 02:02 | | 50/52 | 21/23 | 2/4 |
| DRB5* | 01:01 | | 52/52 | 36/36 | 4/4 |
| DQA1* | 01:02 | 01:04 | 88/88 | 29/33 | 4/6 |
| DQB1* | 05:03 | 06:02 | 192/192 | 132/132 | 76/82 |
| DPB1* | 04:01 | | 40/40 | 35/35 | 18/20 |
| DPA1* | 01:03 | | 15/15 | 12/12 | 1/1 |

This sample has an agreement greater than 90%, except at the DRB1 and DQA1 loci.

DQA1*01:04 was mistyped as DQA1*01:01 by 4 labs. Three labs were unable to distinguish DQA1*01:01 from DQA1*01:04. DQA1*01:04 differs from DQA1*01:01 in exon 1 in codon 2 (GAC->GGC), resulting in an amino acid change (Asp->Gly), and in exon 4 in codon 199 (GCC->ACC), resulting in an amino acid change (Ala->Thr).

Discrepancies or ambiguities reported:

| | |
|------------------------------|------------------------------------------------|
| A*: 29:01/1N | Not excluded: 03:01N, 29:09/26 |
| B*: 44:02/2S | Not excluded: 07:07/44/61/114/161N, 44:105/114 |
| C*: 07:05 | Not excluded: 07:01/39/50/66, 16:02/15 |
| DRB1*: 03:XX, 13:XX, 14:01/7 | Not excluded: 14:01/113, 15:02/55 |
| DRB3*: 01:01:02:01/2, 02:12 | Not excluded: 02:27/28 |
| DRB5*: | Not excluded: 01:02 |
| DQA1*: 01:01/4 | Not excluded: 01:01/8 |
| DQB1*: 05:01/2 | Not excluded: 05:06/10, 06:01/47 |
| DPB1*: | Not excluded: 120:01N/126:01 |
| DPA1*: | Not excluded: 01:10 |

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 #717

| CENTER | DRB1 | DRB3/4/5 | DQA1 | DQB1 | DPB1 | DPA1 | A-Locus | B-Locus | C-Locus | | | | | | | | | | |
|--------|---------|----------|-----------|-----------|---------|---------|---------|------------|-------------|------------|------|--------|---------|---------|-----------|--------|---------|----------|------|
| 7 | 04 | 13 | 303 | 401 | 01 | 03 | 03 | 05 | | | | 11 | 74 | 07 | 53 | 04 | 07 | | |
| 16 | 040101 | 130201 | 30301 | 40103 | 010201G | 030101G | 0301/27 | 0501/12 | 040101 | 1301/10701 | 0103 | 0201/2 | 110101 | 7401/2 | 070201/61 | 530101 | 0401/30 | 0702/50 | |
| 80 | 04 | 13 | 30301 | 401 | 01 | 03 | 03 | 05 | 0401 | 1301 | 0103 | 0201 | 11 | 74 | 07 | 53 | 04 | 07 | |
| 124 | 0401 | 1302 | 30301 | 401 | 0102 | 03 | 0301 | 0501 | 04 | 13 | | | 11 | 7401/2 | 07 | 5301 | 04 | 07 | |
| 134 | 0401 | 1302 | 30301 | 40103 | | | 0301 | 0501 | 0401 | 1301 | | | 1101 | 7401 | 0702 | 5301 | 0401 | 0702 | |
| 138 | 0401 | 1302 | 303 | 401 | 01 | 03 | 0301 | 0501 | 0401 | 1301 | | | 1101 | 7401 | 0702 | 5301 | 0401 | 0702 | |
| 139 | 04 | 13 | | | | | 03 | 0501/7 | | | | | 11 | 74 | 07 | 53 | 04 | 07 | |
| 142 | 04 | 13 | 303 | 401 | | | 03 | 05 | | | | | 11 | 74 | 07 | 53 | | | |
| 143 | 0401/35 | 1302/36 | | | | | 0301 | 0501 | | | | | 1101 | 7401/2 | 0702 | 5301 | 0401/9N | 0702 | |
| 144 | 0401 | 1302 | | | 0102 | 0302/3 | 030101G | 0501 | | | | | 110101G | 740101G | 070201G | 5301 | 040101G | 070201G | |
| 147 | 0401 | 1302 | 30301 | 40103 | 0102 | 0303 | 0301 | 0501 | 0401 | 1301 | | | 1101 | 7401 | 0702 | 5301 | 0401 | 0702/48 | |
| 148 | 0401 | 1302 | 30301 | 40103 | | | 0301 | 0501 | 0401P | 1301P | | | 1101P | 7401P | 0702P | 5301 | 0401 | 0702 | |
| 151 | 0401 | 1302 | | | | | | | | | | | 1101 | 7401/02 | 0702 | 5301 | | | |
| 152 | 04 | 13 | | | | | | | | | | | 11 | 74 | 07 | 53 | | | |
| 155 | | | | | | | | | | | | | | | | | | | |
| 156 | 0401 | 1302 | | | | | 0301 | 0501 | | | | | 1101 | 7401 | 0702 | 5301 | 0401 | 0702 | |
| 158 | 0401 | 1302 | 30301 | 40103 | 01 | 03 | 0301 | 0501 | 0401 | 1301 | | | 1101 | 7401 | 0702 | 5301 | 0401 | 0702 | |
| 160 | 0401 | 1302 | 30301 | 40103 | | | 0301 | 0501 | | | | | 1101 | 7401 | 0702 | 5301 | 0401 | 0702 | |
| 162 | 040101 | 130201 | | | | | 030101 | 050101 | | | | | 110101 | 7401 | 070201 | 530101 | 040101G | 070201G | |
| 164 | 04 | 13 | | | | | | | | | | | 11 | 74 | 07 | 53 | | | |
| 168 | 04 | 13 | | | | | | | | | | | 11 | 74 | 07 | 53 | | | |
| 173 | 0401 | 1302 | | | 0102 | 0301 | 0301 | 0501 | | | | | 11 | 74 | 07 | 53 | | | |
| 174 | 0401 | 1302 | | | | | 0301 | 0501 | | | | | 1101 | 7401/2 | 0702 | 5301 | 0401 | 0702/66 | |
| 175 | 0401 | 1302 | | | | | 0301 | 0501 | | | | | 1102 | 7401 | 0702 | 5301 | 0401 | 0702 | |
| 176 | | | | | | | | | | | | | | | | | | | |
| 185 | 040101 | 130201 | | | | | 03 | 05010101/2 | | | | | 110101G | 740101G | 07 | 53 | 0401/7 | 0702/125 | |
| 186 | | | | | | | | | | | | | | | | | | | |
| 187 | 0401 | 1302 | NT | NT | NT | NT | 0301P | 0501P | NT | NT | NT | NT | 1101 | 7401P | 0702P | 5301P | 0401P | 0702P | |
| 188 | 0401 | 1302 | | | | | | | | | | | | | | | | | |
| 189 | 0401 | 1302 | 30301 | 401 | 0102 | 03 | 0301 | 0501 | 0401 | 1301 | 0103 | 0201 | 1101 | 7401 | 0702 | 5301 | 0401 | 0702 | |
| 190 | 04 | 13 | 3 | 4 | | | 03 | 05 | | | | | 11 | 74 | 07 | 53 | 04 | 07 | |
| 192 | 0401 | 1302 | 30301 | 40103 | | | 0301 | 0501 | 0401 | 1301 | | | 1101 | 7401 | 0702 | 5301 | 0401 | 0702 | |
| 193 | 0401 | 1302 | | | | | | | | | | | 1101 | 7401/2 | 0702 | 5301 | | | |
| 195 | 0401 | 1302 | 30301 | 40103 | 0102 | 0303 | 0301 | 0501 | 0401 | 1301 | | | 1101 | 7401 | 0702 | 5301 | 0401 | 0702 | |
| 199 | | | | | | | | | | | | | | | | | | | |
| 201 | | | | | | | | | | | | | | | | | | | |
| 205 | 0401 | 1302 | 30301 | 40103 | 0102P | 0303 | 0301 | 0501 | 0401 | 1301 | 0103 | 0201 | 1101 | 7401 | 0702/61 | 5301 | 0401 | 0702 | |
| 206 | 04 | 13 | | | | | | | | | | | 11 | 03 | 07 | 53 | | | |
| 207 | 0401 | 1302 | 30301 | 40103 | 01 | 03 | 0301 | 0501 | 0401 | 1301 | | | 1101 | 7401 | 0702 | 5301 | 0401/82 | 0702 | |
| 208 | 0401 | 1302 | | | | | | | | | | | 1101 | 7401/02 | 0702 | 5301 | | | |
| 209 | NT | NT | NT | NT | | | NT | NT | NT | NT | | | NT | NT | NT | NT | NT | NT | |
| 212 | | | | | | | | | | | | | | | | | | | |
| 213 | 04 | 13 | | | | | 03 | 05 | | | | | 11 | 74 | 07 | 53 | 04 | 07 | |
| 214 | | | | | | | | | | | | | 11 | 74 | 07 | 53 | 04 | 07 | |
| 215 | NT | NT | NT | NT | | | | | | | | | NT | NT | NT | NT | NT | NT | |
| 218 | 0401 | 1302 | | | | | 0301 | 0501 | | | | | 1101 | 7401 | 0702 | 5301 | 0401 | 0702 | |
| 222 | 04 | 13 | 302 | 401 | | | 03 | 05 | | | | | 11 | 74 | 07 | 53 | | | |
| 223 | 0401 | 1302 | NT | NT | 0102 | 0303 | 0301 | 0501 | NT | NT | NT | NT | NT | NT | 0702 | 5301 | 0401 | 0702 | |
| 225 | 0401 | 1302 | 301010201 | 401010101 | | | 0301 | 0501 | | | | | 1101 | 7406 | 0702 | 5301 | 0401 | 0702 | |
| 226 | 04 | 13 | 303 | 401 | 01 | 03 | 0301 | 0501 | 0401 | 1301/10701 | 01 | 02 | 1101 | 7401/2 | 07 | 53 | 04 | 07 | |
| 227 | 040101 | 130201 | NT | NT | NT | NT | 030101 | 050101 | NT | NT | NT | NT | 110101 | 7401 | 070201 | 530101 | 0401 | 0702 | |
| 228 | 0401 | 1302 | 30301 | 40103 | | | 0301 | 0501 | | | | | | | | | | | |
| 229 | | | | | | | | | | | | | | | | | | | |
| 230 | 0401 | 1302 | 30301 | 40103 | 01 | 03 | 0301 | 0501 | 0401 | 1301 | 0103 | 0201 | 1101 | 7401 | 0702 | 5301 | 0401 | 0702 | |
| 232 | 04 | 13 | | | | | 03 | 05 | | | | | 11 | 74 | 07 | 53 | 04 | 07 | |
| 234 | 04 | 13 | | | 0102 | 0303 | 03 | 05 | 0401/12001N | 1301 | | | 11 | 74 | 07 | 53 | 04 | 07 | |
| 236 | | | | | | | | | | | | | | | | | | | |
| 237 | 04 | 13 | | | | | 03 | 05 | | | | | 11 | 74 | 07 | 53 | | | |
| 238 | | | | | | | | | | | | | 1101 | 7401 | 0702 | 5301 | 0401 | 0702 | |
| 239 | 0401 | 1302/99 | 30301 | 40103 | 0102 | 0303 | 0301/21 | 0501/7 | 0401 | 1301 | 0103 | 0201 | 11 | 74 | 07 | 53 | 04 | 07 | |
| 240 | | | | | | | 0301 | 0501 | | | | | | | | | | 0401 | 0702 |
| 242 | | | | | | | | | | | | | | | | | | | |
| 244 | | | | | | | | | | | | | | | | | | | |
| 245 | 0401 | 13 | | | 01 | 03 | 03 | 0501/12 | | | | | 11 | 7401/2 | 07 | 5301 | 04 | 07 | |
| 246 | 0401 | 1302 | | | 0102 | 0301 | 0301 | 0501 | | | | | | | | | 0401 | 0702 | |
| 249 | 040101 | 130201 | | | | | 030101 | 050101 | 040101 | 1301 | | | 110101 | 7401 | 070201 | 530101 | 040101 | 070201 | |
| 250 | 04 | 13 | 3 | 4 | | | 03 | 05 | | | | | 11 | 01 | 07 | 53 | | | |
| 251 | | | | | | | | | | | | | | | | | | | |
| 252 | 04 | 13 | 3 | 4 | NT | NT | 0301/4 | 05 | NT | NT | NT | NT | 03 | 74 | 07 | 53 | 04 | 07 | |
| 255 | 04 | 13 | | | | | | | | | | | 11 | 74 | 07 | 53 | | | |
| 258 | 040101 | 130201 | | | | | 030101 | 050101 | | | | | 110101 | 7401/2 | 070201 | 530101 | 0401 | 0702 | |
| 259 | | | | | | | | | | | | | | | | | | | |
| 260 | | | | | | | | | | | | | | | | | | | |
| 262 | 0401 | 1302 | | | 0102 | 0303 | 0301 | 0501 | | | | | 11 | 74 | 07 | 53 | 04 | 07 | |
| 263 | 0401 | 1302 | NT | NT | NT | NT | 0301 | 0501 | 0401 | 1301 | NT | NT | 1101 | 7401 | 0702 | 5301 | 0401 | 0702 | |

DNA #717

| CENTER | DRB1 | DRB3/4/5 | DQA1 | DQB1 | DPB1 | DPA1 | A-Locus | B-Locus | C-Locus | | | |
|--------|--------|----------|----------|---------|--------|--------|---------|---------|---------|--------|---------|---------|
| 264 | 040101 | 130201 | | | | | 110101G | 740101G | 070201G | 530101 | 040101G | 070201G |
| 265 | 0401/2 | 1301/2 | 30101/2 | 40101/2 | 0102 | 0301/2 | 1101/2 | 7401/2 | 0702/7 | 5301/2 | 0401/3 | 0701/2 |
| 266 | 04 | 13 | 3 | 4 | | | 11 | 74 | 07 | 53 | 04 | 07 |
| 267 | 0401 | 1302 | 30301 | 40101 | 0102 | 0301 | 11 | 7401 | 0702 | 5301 | 0401 | 0702 |
| 268 | 04 | 13 | | | 01 | 03 | 11 | 74 | 07 | 53 | 04 | 07 |
| 271 | | | | | | | | | | | | |
| 273 | 0401 | 1302 | 30301 | 40103 | | | 1101 | 7401 | 0702 | 5301 | 0401 | 0702 |
| 274 | 0401 | 1302 | | | 0102 | 0303 | 1101 | 7401 | 0702 | 5301 | 0401 | 0702 |
| 278 | 0401 | 1302 | 30301 | 40103 | 01 | 03 | 1101 | 7401 | 0702 | 5301 | 0401 | 0702 |
| 401 | | | | | | | 1101 | 7401/2 | 0702/61 | 5301 | 0401 | 0702 |
| 452 | 0401 | 1302 | 30301 | 40103 | NT | NT | 1101 | 7401 | 0702 | 5301 | 0401 | 0702 |
| 519 | | | | | | | | | | | | |
| 615 | 0401 | 1302 | 3030101G | 401 | | | | | | | | |
| 616 | 04 | 13 | | | | | 11 | 74 | 07 | 53 | 04 | 07 |
| 635 | | | | | | | | | | | | |
| 702 | 0401 | 1302 | 30301 | 40103 | 0102 | 0303 | 1101 | 7401 | 0702 | 5301 | 0401 | 0702 |
| 714 | 0401 | 1302 | NT | NT | NT | NT | 1101 | 7401 | 0702 | 5301 | 0401 | 0702 |
| 726 | | | | | | | | | | | | |
| 732 | 040101 | 130201 | 30301 | 4010301 | 01 | 03 | 110101 | 7401/2 | 0702/61 | 530101 | 0401/9N | 0702/50 |
| 769 | 04 | 13 | 303 | 401 | | | 11 | 74 | 07 | 53 | 04 | 07 |
| 805 | 0401 | 1302 | NT | NT | NT | NT | 1101 | 740101G | 0702 | 5301 | 040101G | 070201G |
| 1113 | 0401 | 1302 | 30301 | 40103 | 01 | 03 | 1101 | 7401/2 | 0702/61 | 5301 | 0401/82 | 0702/50 |
| 1189 | 0401 | 1302 | 30301 | 40103 | | | 1101 | 7401 | 0702 | 5301 | 0401 | 0702 |
| 1212 | 04 | 13 | NT | NT | | | 11 | 74 | 07 | 53 | | |
| 1251 | 0401 | 13 | 30301 | 40103 | 01 | 0303 | 11 | 7401 | 07 | 53 | 0401/82 | 07 |
| 1498 | 040101 | 130201 | 30301 | 40103 | 0102 | 0303 | 110101G | 740101G | 070201G | 530101 | 040101G | 070201G |
| 1647 | 0401 | 1302 | | | | | 1101 | 740101G | 0702 | 5301 | 040101G | 0702 |
| 1686 | | | | | | | | | | | | |
| 1905 | 0401 | 1302 | 30301 | 40101P | | | 1101 | 7401 | 0702 | 5301 | 0401 | 0702 |
| 2004 | 0401 | 1302 | 30301 | 40103 | 0102 | 0303 | 1101 | 7401 | 0702 | 5301 | 0401 | 0702 |
| 2013 | 0401 | 1302 | NT | NT | NT | NT | 1101 | 7401/2 | 0702 | 5301 | 0401 | 0702 |
| 2015 | | | | | | | | | | | | |
| 2063 | 040101 | 130201 | 30301 | 401 | 01 | 03 | 110101 | 7401 | 070201 | 5301 | 04 | 07 |
| 2347 | 0401 | 1302 | 3 | 4 | 01 | 03 | 1101 | 740101G | 070201G | 5301 | 040101G | 070201G |
| 2411 | 0401 | 1302 | | | | | 1101 | 7402 | 0702 | 5301 | 0401 | 0702 |
| 2518 | 04 | 13 | NT | NT | 01 | 03 | 11 | 74 | 07 | 53 | 04 | 07 |
| 2549 | 0401 | 1302 | 303 | 401 | 0102 | 0303 | 1101 | 7401 | 0702 | 5301 | 0401/82 | 0702/50 |
| 3248 | | | | | | | | | | | | |
| 3261 | | | | | | | 1101 | 7401 | 0702 | 5301 | 0401 | 0702 |
| 3264 | 04 | 13 | | | | | 11 | 74 | 07 | 53 | 04 | 07 |
| 3325 | 04 | 13 | | | | | 1101 | 7401 | 0702 | 5301 | 0401 | 0702 |
| 3410 | 0401 | 1302 | | | | | 1101 | 7401 | 0702 | 5301 | 0401 | 0702 |
| 3438 | 0401 | 1302 | | | | | 1101 | 7401/2 | 0702 | 5301 | 0401 | 0702 |
| 3522 | | | | | | | | | | | | |
| 3582 | 0401 | 1302 | 30301 | 401 | | | 1101 | 7401 | 070201G | 5301 | 0401/82 | 0702/50 |
| 3614 | 0401 | 1302 | | | 01 | 03 | 1101 | 7401 | 0702 | 5301 | 0401 | 0702 |
| 3625 | 0401 | 1302 | 3 | 4 | | | 1101 | 7401/2 | 0702/61 | 5301/8 | 0401 | 0702 |
| 3807 | 04 | 13 | 30301 | 40103 | 01 | 0303 | 11 | 74 | 07 | 53 | 04 | 07 |
| 3849 | 0401 | 1302 | 30301/3 | 401 | 0102 | 0303 | 11 | 74 | 07 | 53 | 04 | 07 |
| 4237 | 0401 | 130201 | 30301 | 40103 | | | 110101 | 7401 | 070201 | 530101 | 0401 | 0702 |
| 4281 | | | | | | | | | | | | |
| 4420 | | | | | | | | | | | | |
| 4545 | 0401 | 1302 | 30301 | 401 | 0102 | 0303 | 1101 | 740101G | 0702/61 | 5301 | 040101G | 0702/50 |
| 4551 | 0401 | 1302 | 30301 | 40103 | 0102/8 | 0301/2 | 11 | 74 | 07 | 53 | 04 | 07 |
| 4585 | 04 | 13 | | | 0102 | 03 | 11 | 74 | 07 | 53 | 04 | 07 |
| 4613 | | | | | | | | | | | | |
| 4653 | 04 | 13 | | | 01 | 03 | 11 | 74 | 07 | 53 | 04 | 07 |
| 4709 | 0401 | 1302 | 30301 | 40103 | 0102 | 0303 | 1101 | 7401 | 0702 | 5301 | 0401 | 0702 |
| 5982 | 0401 | 1302 | | | | | 1101 | 7401 | 0702 | 5301 | 0401 | 0702 |
| 6051 | 0401 | 1302 | 30301 | 401 | 01 | 03 | 11 | 74 | 07 | 53 | 04 | 07 |
| 6313 | 0401 | 1302 | | | | | 1101 | 7401/02 | 0702 | 5301 | 0401 | 0702/50 |
| 9221 | 04 | 13 | 3 | 4 | 01 | 03 | 11 | 74 | 07 | 53 | 04 | 07 |
| 197H | 0401 | 1302 | | | | | 1101 | 7401P | 0702P | 5301 | 0401P | 0702P |
| 197L | 04 | 13 | 30301 | 401 | 01 | 03 | 11 | 74 | 07 | 53 | 04 | 07 |
| 4582H | 0401 | 1302 | 30301 | 40103 | 0102 | 0301 | 1101 | 7401 | 0702 | 5301 | 0401 | 0702 |
| 4582L | 04 | 13 | 303 | 401 | 01 | 03 | 11 | 74 | 07 | 53 | 04 | 07 |

DNA #718

| CENTER | DRB1 | DRB3/4/5 | DQA1 | DQB1 | DPB1 | DPA1 | A-Locus | B-Locus | C-Locus | | | | | | | | | |
|--------|-----------|----------|---------|-----------|------|---------|---------|---------|------------|------------|--------|-------|---------|--------|---------|---------|---------|---------|
| 7 | 04 | 15 | 401 | 501 | 01 | 03 | 03 | 06 | 02 | 32 | 35 | 52 | 03 | 12 | | | | |
| 16 | 040701/92 | 150201 | 40103 | 50102 | 0103 | 030101G | 0302/37 | 0601/43 | 040101 | 040201 | 0103 | BLANK | 020101 | 320101 | 3501/42 | 520101 | 0304 | 1202 |
| 80 | 04 | 15 | 401 | 501 | 0103 | 03 | 03 | 06 | 0401P | 0402P | 0103 | BLANK | 02 | 32 | 35 | 52 | 03 | 12 |
| 124 | 0407/92 | 1502 | 401 | 50102/8N | 0103 | 03 | 0302 | 0601 | 0401/12601 | 0402/10501 | | | 02 | 3201 | 35 | 5201/7 | 03 | 1202 |
| 134 | 0407 | 1502 | 40103 | 50102 | | | 0302 | 0601 | 0401 | 0402 | | | 0201 | 7402 | 3501 | 5201 | 0304 | 1202 |
| 138 | 0407 | 1502 | 401 | 501 | 01 | 03 | 0302 | 0601 | 0401 | 0402 | | | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 139 | 0407 | 15 | | | | | 0302 | 0601 | | | | | 02 | 32 | 35 | 52 | 03 | 12 |
| 142 | 04 | 15 | 401 | 501 | | | 03 | 06 | | | | | 02 | 32 | 35 | 52 | | |
| 143 | 0407/92 | 1502 | | | | | 0302 | 0601 | | | | | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 144 | 040701G | 1502 | | | 0103 | 0302/3 | 030201G | 0601 | | | | | 020101G | 3201 | 350101G | 520101G | 030401G | 1202 |
| 147 | 0407 | 1502 | 40103 | 50102/8N | 0103 | 0301 | 0302 | 0601 | 0401 | 0402 | | | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 148 | 0407P | 1502 | 40103 | 50102 | | | 0302 | 0601 | 0401P | 0402P | | | 0201 | 3201 | 3501P | 5201 | 0304 | 1202 |
| 151 | 0407 | 1502 | | | | | | | | | | | 0201 | 3201 | 3501 | 5201 | | |
| 152 | 04 | 15 | | | | | | | | | | | 02 | 32 | 35 | 52 | | |
| 155 | | | | | | | | | | | | | | | | | | |
| 156 | 0407/92 | 1502 | | | | | 0302 | 0601 | | | | | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 158 | 0407 | 1502 | 40103 | 50102 | 0103 | 03 | 0302 | 0601 | 0401 | 0402 | | | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 160 | 0407P | 1502 | 40103 | 50102 | | | 0302 | 0601 | | | | | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 162 | 040701 | 150201 | | | | | 030201 | 060101 | | | | | 020101 | 320101 | 350101G | 5201 | 0304 | 1202 |
| 164 | 04 | 15 | | | | | | | | | | | 02 | 32 | 35 | 52 | | |
| 168 | 04 | 15 | | | | | | | | | | | 02 | 32 | 35 | 52 | | |
| 173 | 0403/7 | 1501/2 | | | 0103 | 0301 | 0302 | 0601 | | | | | 02 | 32 | 35 | 52 | | |
| 174 | 0407 | 1502 | | | | | 0302 | 0601 | | | | | 0201/9 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 175 | 0407 | 1502 | | | | | 0302 | 0601 | | | | | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 176 | | | | | | | | | | | | | | | | | | |
| 185 | 040701G | 150201 | | | | | 030201 | 060101 | | | | | 02 | 32 | 35 | 52 | 0304/38 | 1202/49 |
| 186 | | | | | | | | | | | | | | | | | | |
| 187 | 0407P | 1502 | NT | NT | NT | NT | 0302 | 0601 | NT | NT | NT | NT | 0201 | 3201 | 3501/24 | 5201/11 | 0304 | 1202 |
| 188 | 0407P | 1502 | | | | | | | | | | | | | | | | |
| 189 | 0407 | 1502 | 401 | 50102/8N | 0103 | 03 | 0302 | 0601 | 0401 | 0402 | 0103 | BLANK | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 190 | 04 | 15 | 4 | 5 | | | 03 | 06 | | | | | 02 | 32 | 35 | 52 | 03 | 12 |
| 192 | 0407 | 1502 | 40103 | 50102 | | | 0302 | 0601 | 040101G | 040201G | | | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 193 | 0407 | 1502 | | | | | | | | | | | 0201 | 3201 | 3501/42 | 5201 | | |
| 195 | 0407 | 1502 | 40103 | 50102 | 0103 | 0301 | 0302 | 0601 | 0401 | 0402 | | | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 199 | | | | | | | | | | | | | | | | | | |
| 201 | | | | | | | | | | | | | | | | | | |
| 205 | 0407P | 1502 | 40103 | 50102 | 0103 | 0301 | 0302 | 0601 | 0401P | 0402P | 0103 | BLANK | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 206 | 04 | 16 | | | | | | | | | | | 02 | 32 | 35 | 52 | | |
| 207 | 0407/92 | 1502 | 40103 | 50102 | 0103 | 03 | 0302 | 0601 | 040101G | 040201G | | | 0201 | 3201 | 3501/42 | 5201 | 0304 | 1202 |
| 208 | 0407 | 1502 | | | | | | | | | | | 0201 | 3201 | 3501/42 | 5201 | | |
| 209 | 0407 | 1502 | 40103 | 50102 | | | 0302 | 0601 | 0401 | 0402 | | | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 212 | | | | | | | | | | | | | | | | | | |
| 213 | 04 | 15 | | | | | 03 | 06 | | | | | 02 | 32 | 35 | 52 | 03 | 12 |
| 214 | | | | | | | | | | | | | 02 | 32 | 35 | 52 | 03 | 12 |
| 215 | 04 | 15 | 4 | 5 | | | | | | | | | 02 | 32 | 35 | 52 | 03 | 03 |
| 218 | 0407 | 1502 | | | | | 0302 | 0601 | | | | | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 222 | 04 | 15 | 401 | 501 | | | 03 | 06 | | | | | 02 | 32 | 35 | 52 | | |
| 223 | 0407 | 1502 | NT | NT | 0103 | 0301 | 0302 | 0601 | NT | NT | NT | NT | NT | NT | 3501 | 5201 | 0304 | 1202 |
| 225 | 0407 | 1502 | 4010101 | 501010101 | | | 0302 | 0601 | | | | | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 226 | 0407/92 | 1502 | 401 | 501 | 01 | 03 | 0302 | 0601 | 0401/10501 | 0402/12601 | 01 | BLANK | 02 | 32 | 35 | 52 | 0304 | 1202 |
| 227 | 040701 | 150201 | NT | NT | NT | NT | 030201 | 060101 | NT | NT | NT | NT | 0201 | 3201 | 3501 | 520101 | 0304 | 1202 |
| 228 | 0124 | 1502 | 40103 | 50102 | | | 0302 | 0601 | | | | | | | | | | |
| 229 | | | | | | | | | | | | | | | | | | |
| 230 | 0407 | 1502 | 40103 | 50102 | 01 | 03 | 0302 | 0601 | 0401 | 0402 | 0103 | BLANK | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 232 | 04 | 15 | | | | | 03 | 06 | | | | | 02 | 32 | 35 | 52 | 03 | 12 |
| 234 | 04 | 15 | | | 0103 | 0301 | 03 | 06 | 0401 | 0402 | | | 02 | 32 | 35 | 52 | 03 | 12 |
| 236 | | | | | | | | | | | | | | | | | | |
| 237 | 04 | 15 | | | | | 03 | 06 | | | | | 02 | 32 | 35 | 52 | | |
| 238 | | | | | | | | | | | | | 02 | 32 | 35 | 52 | 03 | 12 |
| 239 | 0407/92 | 1502/44 | 40103 | 50102 | 0103 | 0301 | 0302/32 | 0601 | 0401 | 0402 | 0103/6 | BLANK | 02 | 32 | 35 | 52 | 03 | 12 |
| 240 | | | | | | | 0302 | 0601 | | | | | | | | | 0304 | 1202 |
| 242 | | | | | | | | | | | | | | | | | | |
| 244 | | | | | | | | | | | | | | | | | | |
| 245 | 0407/92 | 1502/58 | | | 0103 | 03 | 0302/37 | 0601/43 | | | | | 02 | 32 | 35 | 52 | 03 | 1202/49 |
| 246 | 0407 | 1502 | | | 0103 | 0301 | 0302 | 0601 | | | | | | | | | 0304 | 1202 |
| 249 | 040701 | 150201 | | | | | 030201 | 060101 | 040101 | 040201 | | | 020101 | 320101 | 350101 | 520101 | 030401 | 120202 |
| 250 | 04 | 15 | 4 | 5 | | | 03 | 06 | | | | | 02 | 32 | 35 | 52 | | |
| 251 | | | | | | | | | | | | | | | | | | |
| 252 | 04 | 15 | 4 | 5 | NT | NT | 0302 | 06 | NT | NT | NT | NT | 02 | 32 | 35 | 52 | 03 | 12 |
| 255 | 04 | 15 | | | | | | | | | | | 02 | 32 | 35 | 52 | | |
| 258 | 0407/92 | 150201 | | | | | 030201 | 060101 | | | | | 020101 | 320101 | 3501 | 5201 | 0304 | 1202 |
| 259 | | | | | | | | | | | | | | | | | | |
| 260 | | | | | | | | | | | | | | | | | | |
| 262 | 0407 | 1502 | | | 0103 | 0301 | 0302 | 0601 | | | | | 02 | 32 | 35 | 52 | 03 | 12 |
| 263 | 0401 | 1501 | NT | NT | NT | NT | 0302 | 0601 | 0401 | 0402 | NT | NT | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |

DNA #718

| CENTER | DRB1 | | DRB3/4/5 | | DQA1 | | DQB1 | | DPB1 | | DPA1 | | A-Locus | | B-Locus | | C-Locus | |
|--------|-----------|---------|----------|-----------|------|--------|---------|---------|-------------|------------|---------|-------|-----------|---------|---------|---------|---------|---------|
| 264 | 040701G | 150201 | | | | | 030201G | 060101G | 040101G | 040201G | 010301G | BLANK | 020101G | 320101G | 350101G | 520101G | 030401G | 120201G |
| 265 | 0401/2 | 1501/2 | 40101/2 | 50101/2 | 0103 | 0301/2 | 0302/5 | 0601/2 | | | | | 0201/1L | 3201/2 | 3501/3 | 5201/5 | 0302/4 | 1202/14 |
| 266 | 04 | 15 | 4 | 5 | | | 03 | 03 | | | | | 02 | 32 | 35 | 52 | 03 | 12 |
| 267 | 0407/92 | 1502 | 40101 | 50101 | 0103 | 0301 | 0302 | 0601/43 | NT | NT | NT | NT | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 268 | 04 | 15 | | | 01 | 03 | 03 | 06 | | | | | 02 | 32 | 35 | 52 | 03 | 12 |
| 271 | | | | | | | | | | | | | | | | | | |
| 273 | 0407 | 1502 | 40103 | 50102 | | | 0302 | 0601 | | | | | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 274 | 0407 | 1502 | | | 0103 | 0301 | 0302 | 0601 | | | | | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 278 | 0407 | 1502 | 40103 | 50102 | 0103 | 03 | 0302 | 0601 | 0401/12601 | 0402/10501 | 0103 | BLANK | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 401 | | | | | | | | | | | | | 0201 | 3201 | 3501/42 | 5201 | 0304 | 1202 |
| 452 | 0407 | 1502 | 40103 | 50102 | NT | NT | 0302 | 0601 | 040101G | 040201G | NT | NT | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 519 | | | | | | | | | | | | | | | | | | |
| 615 | 040701G | 1502 | 401 | 5010201G | | | 030201G | 060101G | 040101G | 040201G | | | | | | | | |
| 616 | 04 | 15 | | | | | | | | | | | 02 | 32 | 35 | 52 | 03 | 12 |
| 635 | | | | | | | | | | | | | | | | | | |
| 702 | 0407 | 1502 | 40103 | 50102 | 0103 | 0301 | 0302 | 0601 | 0401 | 0402 | | | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 714 | 0407 | 1502 | NT | NT | NT | NT | 0302 | 0601 | NT | NT | NT | NT | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 726 | | | | | | | | | | | | | | | | | | |
| 732 | 0407/92 | 150201 | 4010301 | 50102 | 01 | 03 | 030201 | 0601 | | | | | 020101 | 320101 | 3501/42 | 520101 | 0304 | 1202 |
| 769 | 04 | 15 | 401 | 501 | | | 03 | 06 | 0401P | 0402P | | | 02 | 32 | 35 | 52 | 03 | 12 |
| 805 | 0407 | 1502 | NT | NT | NT | NT | 0302 | 0601 | NT | NT | NT | NT | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 1113 | 0407/92 | 1502 | 40103 | 50102 | 0103 | 03 | 0302 | 0601 | 0401/12601 | 0402/10501 | | | 0201 | 3201 | 3501/42 | 5201 | 0304/38 | 1202/49 |
| 1189 | 0407/92 | 1502/19 | 40103 | 50102 | | | 0302 | 0601 | 0401 | 0402 | | | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 1212 | 0407 | 1502 | 40103 | 50102 | | | 0302 | 0601 | | | | | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 1251 | 0407/92 | 1502 | 40103 | 50102 | 0103 | 0301 | 0302 | 0601 | 040101G | 040201G | | | 02 | 32 | 35 | 5201 | 03 | 1202 |
| 1498 | 040701/92 | 150201 | 40103 | 50102 | 0103 | 030101 | 030201G | 060101G | 0401/12001N | 0402 | | | 020101G | 320101G | 350101G | 520101G | 030401G | 120201G |
| 1647 | 0407 | 1502 | | | | | 0302 | 0601 | 040101G | 040201G | | | 0201 | 3201 | 350101G | 5201 | 0304 | 1202 |
| 1686 | | | | | | | | | | | | | | | | | | |
| 1905 | 0407 | 1502 | 40101P | 50102 | | | 0302 | 0601 | 0401P | 0402P | 0103 | BLANK | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 2004 | 0407 | 1502 | 40103 | 50102 | 0103 | 0301 | 0302 | 0601 | | | | | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 2013 | 0407 | 1502 | NT | NT | NT | NT | 0302 | 0601 | NT | NT | NT | NT | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 2015 | | | | | | | | | | | | | | | | | | |
| 2063 | 040701/92 | 150201 | 401 | 50102/8N | 0103 | 03 | 030201 | 0601 | | | | | 020101/2L | 320101 | 3501/42 | 5201 | 0304 | 1202 |
| 2347 | 040701G | 1502 | 4 | 5 | 01 | 03 | 0302 | 0601 | 040101G | 040201G | 0103 | BLANK | 0201 | 3201 | 350101G | 5201 | 0304 | 1202 |
| 2411 | 0407 | 1502 | | | | | 0302 | 0601 | | | | | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 2518 | 04 | 15 | NT | 50102 | 0103 | 03 | 03 | 06 | 0401 | 0402 | 0103 | BLANK | 02 | 32 | 35 | 52 | 03 | 12 |
| 2549 | 040701G | 1502 | 401 | 501 | 0103 | 0301 | 0302 | 0601 | 040101G | 040201G | NT | NT | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 3248 | | | | | | | | | | | | | | | | | | |
| 3261 | | | | | | | | | | | | | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 3264 | 04 | 15 | | | | | 03 | 06 | | | | | 02 | 32 | 35 | 52 | 03 | 12 |
| 3325 | 04 | 15 | | | | | 03 | 06 | | | | | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 3410 | 0407 | 1502 | | | | | 0302 | 0601 | | | | | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 3438 | 0407 | 1502 | | | | | 0302 | 0601 | | | | | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 3522 | | | | | | | | | | | | | | | | | | |
| 3582 | 04 | 15 | 401 | 501 | 0103 | 0301 | 0302 | 0601 | | | | | 02 | 32 | 35 | 52 | 03 | 12 |
| 3614 | 0407 | 1502 | | | 0103 | 03 | 0302 | 0601 | | | | | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 3625 | 0407/92 | 1502 | 4 | 5 | | | 0302 | 0601 | 0401/12601 | 0402/10501 | | | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 3807 | 04 | 15 | 40103 | 50102 | 0103 | 0301 | 03 | 06 | 0401/12001N | 0402 | 0103/10 | BLANK | 02 | 32 | 35 | 52 | 03 | 12 |
| 3849 | 0407/92 | 1502 | 401 | 50102/10N | 0103 | 0301 | 0302 | 0601 | | | | | 02 | 32 | 35 | 52 | 03 | 12 |
| 4237 | 0407P | 150201 | 40103 | 50102 | | | 0302 | 0601 | | | | | 0201 | 320101 | 3501 | 5201 | 0304 | 1202 |
| 4281 | | | | | | | | | | | | | | | | | | |
| 4420 | | | | | | | | | | | | | | | | | | |
| 4545 | 040701G | 1502 | 401 | 50102 | 0103 | 0301 | 0302 | 0601 | 040101G | 040201G | | | 0201 | 3201 | 3501/42 | 5201 | 0304 | 1202 |
| 4551 | 0407/92 | 1502/58 | 40103 | 50102 | 0103 | 0301/2 | 0302/37 | 0601/43 | | | | | 02 | 32 | 35 | 52 | 03 | 12 |
| 4585 | 0407/92 | 15 | | | 0103 | 03 | 0302 | 0601/43 | | | | | 02 | 32 | 35 | 52 | 03 | 12 |
| 4613 | | | | | | | | | | | | | | | | | | |
| 4653 | 0407/92 | 15 | | | 0103 | 03 | 0302/37 | 0601/43 | | | | | 02 | 32 | 35 | 52 | 03 | 12 |
| 4709 | 0407 | 1502 | 40103 | 50102 | 0103 | 0301 | 0302 | 0601 | 0401 | 0402 | | | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 5982 | 0407 | 1502 | | | | | 0302 | 0601 | 0401 | 0402 | | | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 6051 | 0407/92 | 1502/58 | 401 | 501 | 0103 | 03 | 0302/37 | 0601/43 | 040101G | 040201G | 0103 | BLANK | 02 | 32 | 35 | 52 | 03 | 12 |
| 6313 | 0407 | 1502 | | | | | 0302 | 0601 | | | | | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 9221 | 04 | 15 | 4 | 5 | 0103 | 03 | 03 | 06 | 0401 | 0402 | | | 02 | 32 | 35 | 52 | 03 | 12 |
| 197H | 0407P | 1502 | | | | | 0302 | 0601 | 0401 | 0402 | | | 0201 | 3201 | 3501 | 5201 | 0304 | 1202 |
| 197L | 04 | 15 | 40103 | 501 | 0103 | 03 | 03 | 06 | | | 0103 | BLANK | 02 | 32 | 35 | 52 | 03 | 12 |
| 4582H | 0407 | 1502 | 40103 | 50102 | 0103 | 0301 | 0302 | 0601 | 0401 | 0402 | 0103 | BLANK | 0201 | 3201 | 3501 | 5201/7 | 0304 | 1202 |
| 4582L | 04 | 15 | 401 | 501 | 01 | 03 | 03 | 06 | 04 | 04 | 01 | BLANK | 02 | 32 | 35 | 52 | 03 | 12 |

DNA #719

| CENTER | DRB1 | DRB3/4/5 | | | DQA1 | | DQB1 | | DPB1 | | DPA1 | | A-Locus | | B-Locus | | C-Locus | |
|--------|---------|----------|-------|-------|---------|-------|------------|-------|------------|------------|------|--------|---------|---------|------------|---------|---------|---------|
| 7 | 01 | BLANK | BLANK | BLANK | 01 | BLANK | 05 | BLANK | | | | | 03 | 25 | 18 | 35 | 04 | 12 |
| 16 | 010101 | BLANK | BLANK | BLANK | 010101G | BLANK | 0501/7 | BLANK | 040201 | 1701 | 0103 | 0201/2 | 030101 | 250101 | 180101/17N | 3501/42 | 0401 | 1203 |
| 80 | 01 | BLANK | BLANK | BLANK | 01 | BLANK | 05 | BLANK | 0402 | 1701 | 0103 | 02 | 03 | 25 | 18 | 35 | 04 | 12 |
| 124 | 0101 | BLANK | BLANK | BLANK | 01 | BLANK | 0501 | BLANK | 0402/10501 | 1701/13101 | | | 03 | 2501/7 | 18 | 35 | 04 | 1203/23 |
| 134 | 0101 | BLANK | BLANK | BLANK | | | 0501 | BLANK | 0402 | 1701 | | | 0301 | 2501 | 1801 | 3501 | 0401 | 1203 |
| 138 | 0101 | BLANK | BLANK | BLANK | 01 | BLANK | 0501 | BLANK | 0402 | 1701 | | | 0301 | 2501 | 1801 | 3501 | 0401 | 1203 |
| 139 | 01 | BLANK | | | | | 05 | BLANK | | | | | 03 | 25 | 18 | 35 | 04 | 12 |
| 142 | 01 | BLANK | BLANK | BLANK | | | 05 | BLANK | | | | | 03 | 25 | 18 | 35 | | |
| 143 | 0101 | BLANK | | | | | 0501 | BLANK | | | | | 0301/8 | 2501/2 | 1801/7 | 3501/20 | 0401/9N | 1203 |
| 144 | 0101 | BLANK | | | 01 | BLANK | 0501 | BLANK | | | | | 030101G | 250101G | 180101G | 350101G | 040101G | 120301G |
| 147 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| 148 | 0101 | BLANK | NT | NT | | | 0501 | BLANK | 0402P | 1701P | | | 0301 | 2501 | 1801 | 3501P | 0401 | 1203 |
| 151 | 0101 | BLANK | | | | | | | | | | | 0301/8 | 2501/2 | 1801/7 | 3501/20 | | |
| 152 | 01 | BLANK | | | | | | | | | | | 03 | 25 | 18 | 35 | | |
| 155 | | | | | | | | | | | | | | | | | | |
| 156 | 0101 | BLANK | | | | | 0501 | BLANK | | | | | 0301 | 2501 | 1801 | 3501 | 0401 | 1203 |
| 158 | 0101 | BLANK | BLANK | BLANK | 01 | BLANK | 0501 | BLANK | 0402 | 1701 | | | 0301 | 2501 | 1801 | 3501 | 0401 | 1203 |
| 160 | 0101 | BLANK | BLANK | BLANK | | | 0501 | BLANK | | | | | 0301 | 2501 | 1801 | 3501 | 0401 | 1203 |
| 162 | 010101 | BLANK | | | | | 050101 | BLANK | | | | | 030101 | 250101 | 180101G | 350101G | 040101G | 1203 |
| 164 | 01 | BLANK | | | | | | | | | | | 03 | 25 | 18 | 35 | | |
| 168 | 01 | BLANK | | | | | | | | | | | 03 | 25 | 18 | 35 | | |
| 173 | 0101 | BLANK | | | 0101 | BLANK | 0501 | BLANK | | | | | 03 | 25 | 18 | 35 | | |
| 174 | 0101 | BLANK | | | | | 0501 | BLANK | | | | | 0301 | 2501 | 1801 | 3501 | 0401 | 1203 |
| 175 | 0101 | BLANK | | | | | 0501 | BLANK | | | | | 0301 | 2501 | 1801 | 3501 | 0401 | 1203 |
| 176 | | | | | | | | | | | | | | | | | | |
| 185 | 010101G | BLANK | | | | | 05010101/2 | BLANK | | | | | 0301/56 | 2501/10 | 180101G | 350101G | 040101G | 120301G |
| 186 | | | | | | | | | | | | | | | | | | |
| 187 | 0101 | BLANK | NT | NT | NT | NT | 0501 | BLANK | NT | NT | NT | NT | 0301/8 | 2501/2 | 180101G | 3501P | 0401P | 1203 |
| 188 | 0101 | BLANK | | | | | | | | | | | | | | | | |
| 189 | 0101 | BLANK | BLANK | BLANK | 0101 | BLANK | 0501 | BLANK | 0402 | 1701 | 0103 | 0201 | 0301 | 2501 | 1801 | 3501 | 0401 | 1203 |
| 190 | 01 | BLANK | BLANK | BLANK | | | 05 | BLANK | | | | | 03 | 25 | 18 | 35 | 04 | 12 |
| 192 | 0101 | BLANK | BLANK | BLANK | | | 0501 | BLANK | 0402 | 1701 | | | 0301 | 2501 | 1801 | 3501 | 0401 | 1203 |
| 193 | 0101 | BLANK | | | | | | | | | | | 0301 | 2501 | 1801 | 3501/42 | | |
| 195 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| 199 | | | | | | | | | | | | | | | | | | |
| 201 | | | | | | | | | | | | | | | | | | |
| 205 | 0101 | BLANK | BLANK | BLANK | 0101 | BLANK | 0501 | BLANK | 0402 | 1701 | 0103 | 0201 | 0301 | 2501 | 1801 | 3501 | 0401 | 1203 |
| 206 | 01 | BLANK | | | | | | | | | | | 03 | 25 | 18 | 35 | | |
| 207 | 01 | BLANK | BLANK | BLANK | 01 | BLANK | 05 | BLANK | 0402 | 1701 | | | 03 | 25 | 18 | 35 | 04 | 12 |
| 208 | 0101 | BLANK | | | | | | | | | | | 0301 | 2501 | 1801 | 3501/42 | | |
| 209 | NT | NT | NT | NT | | | NT | NT | NT | NT | | | NT | NT | NT | NT | NT | NT |
| 212 | | | | | | | | | | | | | | | | | | |
| 213 | 01 | BLANK | | | | | 05 | BLANK | | | | | 03 | 25 | 18 | 35 | 04 | 12 |
| 214 | | | | | | | | | | | | | 03 | 25 | 180116 | 350101 | 04 | 12 |
| 215 | NT | NT | NT | NT | | | | | | | | | NT | NT | NT | NT | NT | NT |
| 218 | 0101 | BLANK | | | | | 0501 | BLANK | | | | | 0301 | 2501 | 1801 | 3501 | 0401 | 1203 |
| 222 | 01 | BLANK | BLANK | BLANK | | | 05 | BLANK | | | | | 03 | 24 | 18 | 35 | | |
| 223 | 0101 | BLANK | NT | NT | 0101 | BLANK | 0501 | BLANK | NT | NT | NT | NT | NT | NT | 1801 | 3501 | 0401 | 1203 |
| 225 | 0101 | BLANK | BLANK | BLANK | | | 0501 | BLANK | | | | | 0301 | 2501 | 1801 | 3501 | 0401 | 1203 |
| 226 | 01 | BLANK | BLANK | BLANK | 01 | BLANK | 0501 | BLANK | 0402 | 1701 | 01 | 02 | 03 | 25 | 18 | 35 | 04 | 1203 |
| 227 | 010101 | BLANK | NT | NT | NT | NT | 050101 | BLANK | NT | NT | NT | NT | 0301 | 250101 | 180101 | 3501 | 0401 | 120301 |
| 228 | 0101 | BLANK | BLANK | BLANK | | | 0501 | BLANK | | | | | | | | | | |
| 229 | | | | | | | | | | | | | | | | | | |
| 230 | 0101 | BLANK | BLANK | BLANK | 01 | BLANK | 0501 | BLANK | 0402 | 1701 | 0103 | 0201 | 0301 | 2501 | 1801 | 3501 | 0401 | 1203 |
| 232 | 01 | BLANK | | | | | 05 | BLANK | | | | | 03 | 25 | 18 | 35 | 04 | 12 |
| 234 | 0101 | BLANK | | | NT | NT | 0501/7 | BLANK | NT | NT | | | 0301 | 2501 | 1801 | 3501 | 0401 | 1203 |
| 236 | | | | | | | | | | | | | | | | | | |
| 237 | 01 | BLANK | | | | | 05 | BLANK | | | | | 03 | 25 | 18 | 35 | | |
| 238 | | | | | | | | | | | | | 0301 | 2501 | 1801 | 3501 | 04 | 12 |
| 239 | 0101/22 | BLANK | BLANK | BLANK | 0101/8 | BLANK | 0501/7 | BLANK | 0402 | 1701 | 0103 | 0201 | 03 | 25 | 18 | 35 | 04 | 12 |
| 240 | | | | | | | 0501 | BLANK | | | | | | | | | | |
| 242 | | | | | | | | | | | | | | | | | 0401 | 1203 |
| 244 | | | | | | | | | | | | | | | | | | |
| 245 | 01 | BLANK | | | 01 | BLANK | 05 | BLANK | | | | | 03 | 25 | 18 | 35 | 04 | 12 |
| 246 | 0101 | BLANK | | | 0101 | BLANK | 0501 | BLANK | | | | | | | | | 0401 | 1203 |
| 249 | 010101 | BLANK | | | | | 050101 | BLANK | 040201 | 1701 | | | 030101 | 250101 | 180101 | 350101 | 040101 | 120301 |
| 250 | 01 | BLANK | 3 | BLANK | | | 05 | BLANK | | | | | 03 | 25 | 18 | 35 | | |
| 251 | | | | | | | | | | | | | | | | | | |
| 252 | 01 | BLANK | BLANK | BLANK | NT | NT | 05 | BLANK | NT | NT | NT | NT | 03 | 25 | 18 | 35 | 04 | 12 |
| 255 | 01 | BLANK | | | | | | | | | | | 03 | 25 | 18 | 35 | | |
| 258 | 010101 | BLANK | | | | | 050101 | BLANK | | | | | 030101 | 250101 | 180101 | 350101 | 040101 | 120301 |
| 259 | | | | | | | | | | | | | | | | | | |
| 260 | | | | | | | | | | | | | | | | | | |
| 262 | 0101 | BLANK | | | 0101 | BLANK | 0501 | BLANK | | | | | 03 | 25 | 18 | 35 | 04 | 12 |
| 263 | 0101 | BLANK | NT | NT | NT | NT | 0501 | BLANK | 0402 | 1701 | NT | NT | 0301 | 2501 | 1801 | 3501 | 0401 | 1203 |

DNA #719

| CENTER | DRB1 | | DRB3/4/5 | | DQA1 | | DQB1 | | DPB1 | | DPA1 | | A-Locus | | B-Locus | | C-Locus | |
|--------|--------|-------|----------|-------|--------|-------|---------|-------|------------|------------|---------|--------|---------|---------|----------|---------|---------|---------|
| 264 | 010101 | BLANK | | | | | 050101G | BLANK | 040201G | 170101G | 010301G | 020101 | 030101G | 250101G | 180101G | 350101G | 040101G | 120301G |
| 265 | 0101/2 | BLANK | BLANK | BLANK | 0101/4 | BLANK | 0501/2 | BLANK | | | | | 0301/1N | 2501/2 | 1801/2 | 3501/3 | 0401/3 | 1203/4 |
| 266 | 01 | BLANK | 1 | 1 | | | 05 | BLANK | | | | | 03 | 25 | 18 | 35 | 04 | 12 |
| 267 | 0101 | BLANK | 40101 | BLANK | 0101 | BLANK | 0501 | BLANK | NT | NT | NT | NT | 0301 | 2501 | 1801 | 3501 | 0401 | 1203 |
| 268 | 01 | BLANK | | | 01 | BLANK | 05 | BLANK | | | | | 03 | 25 | 18 | 35 | 04 | 12 |
| 271 | | | | | | | | | | | | | | | | | | |
| 273 | 0101 | BLANK | BLANK | BLANK | | | 0501 | BLANK | | | | | 0301 | 2501 | 1801 | 3501 | 0401 | 1203 |
| 274 | 0101 | BLANK | | | 0101 | BLANK | 0501 | BLANK | | | | | 0301 | 2501 | 1801 | 3501 | 0401 | 1203 |
| 278 | 0101 | BLANK | BLANK | BLANK | 01 | BLANK | 0501 | BLANK | 0402 | 1701 | 0103 | 0201 | 0301 | 2501 | 1801 | 3501 | 0401 | 1203 |
| 401 | | | | | | | | | | | | | 0301 | 2501 | 1801/17N | 3501/42 | 0401 | 1203 |
| 452 | 0101 | BLANK | BLANK | BLANK | NT | NT | 0501 | BLANK | 0402 | 1701 | NT | NT | 0301 | 2501 | 1801 | 3501 | 0401 | 1203 |
| 519 | | | | | | | | | | | | | | | | | | |
| 615 | 0101 | BLANK | BLANK | BLANK | | | 050101G | BLANK | 040201G | 170101G | | | | | | | | |
| 616 | 01 | BLANK | | | | | | | | | | | 03 | 25 | 18 | 35 | 04 | 12 |
| 635 | | | | | | | | | | | | | | | | | | |
| 702 | 0101 | BLANK | BLANK | BLANK | 0101 | BLANK | 0501 | BLANK | 0402 | 1701 | | | 0301 | 2501 | 1801 | 3501 | 0401 | 1203 |
| 714 | 0101 | BLANK | NT | NT | NT | NT | 0501 | BLANK | NT | NT | NT | NT | 0301 | 2501 | 1801 | 3501 | 0401 | 1203 |
| 726 | | | | | | | | | | | | | | | | | | |
| 732 | 010101 | BLANK | BLANK | BLANK | 01 | BLANK | 050101 | BLANK | | | | | 030101 | 250101 | 1801/17N | 3501/42 | 0401/9N | 120301 |
| 769 | 01 | BLANK | BLANK | BLANK | | | 05 | BLANK | 0402 | 1701 | | | 03 | 25 | 18 | 35 | 04 | 12 |
| 805 | 0101 | BLANK | NT | NT | NT | NT | 0501 | BLANK | NT | NT | NT | NT | 0301 | 2501 | 1801 | 3501 | 040101G | 1203 |
| 1113 | 0101 | BLANK | BLANK | BLANK | 01 | BLANK | 0501 | BLANK | 0402/10501 | 1701/13101 | | | 0301 | 2501 | 1801 | 3501 | 0401/82 | 1203 |
| 1189 | 0101 | BLANK | BLANK | BLANK | | | 0501 | BLANK | 0402 | 1701 | | | 0301 | 2501 | 1801 | 3501 | 0401 | 1203 |
| 1212 | 0101 | BLANK | BLANK | BLANK | | | 0501 | BLANK | 0402 | 1701 | | | 0301 | 2501 | 1801 | 3501 | 0401 | 1203 |
| 1251 | | | | | | | | | | | | | | | | | | |
| 1498 | 010101 | BLANK | BLANK | BLANK | 0101 | BLANK | 0501/7 | BLANK | 0402/10501 | 1701 | | | 030101G | 250101G | 180101G | 350101G | 040101G | 120301G |
| 1647 | 0101 | BLANK | | | | | 0501 | BLANK | 0402 | 1701 | | | 0301 | 2501 | 1801 | 350101G | 0401 | 1203 |
| 1686 | | | | | | | | | | | | | | | | | | |
| 1905 | 0101 | BLANK | BLANK | BLANK | | | 0501 | BLANK | 0402P | 1701P | 0103 | 0201/2 | 0301 | 2501 | 1801 | 3501 | 0401 | 1203 |
| 2004 | 0101 | BLANK | BLANK | BLANK | 0101 | BLANK | 0501 | BLANK | | | | | 0301 | 2501 | 1801 | 3501 | 0401 | 1203 |
| 2013 | 0101 | BLANK | NT | NT | NT | NT | 0501 | BLANK | NT | NT | NT | NT | 0301 | 2501 | 1801 | 3501 | 0401 | 1203 |
| 2015 | | | | | | | | | | | | | | | | | | |
| 2063 | 010101 | BLANK | BLANK | BLANK | 01 | BLANK | 050101 | BLANK | | | | | 03 | 250101 | 180101 | 3501/42 | 04 | 1203/23 |
| 2347 | 01 | BLANK | BLANK | BLANK | 01 | BLANK | 05 | BLANK | 0402 | 1701 | 0103 | 0201 | 03 | 25 | 18 | 35 | 04 | 12 |
| 2411 | 0101 | BLANK | | | | | 0501 | BLANK | | | | | 0301 | 2501 | 1801 | 3501 | 0401 | 1203 |
| 2518 | 01 | BLANK | NT | NT | 01 | BLANK | 05 | BLANK | 0402 | 1701 | 0103 | 0201 | 03 | 25 | 18 | 35 | 04 | 12 |
| 2549 | 0101 | BLANK | NT | NT | 0101 | BLANK | 0501 | BLANK | 040201G | 170101G | NT | NT | 0301 | 2501 | 1801/36 | 3501/93 | 0401 | 1203 |
| 3248 | | | | | | | | | | | | | | | | | | |
| 3261 | | | | | | | | | | | | | 0301 | 2501 | 1801 | 3501 | 0401 | 1203 |
| 3264 | 01 | BLANK | | | 01 | BLANK | 05 | BLANK | | | | | 03 | 25 | 18 | 35 | 04 | 12 |
| 3325 | 01 | BLANK | | | | | 05 | BLANK | | | | | 0301 | 2501 | 1801 | 3501 | 0401 | 1203 |
| 3410 | 0101 | BLANK | | | | | 0501 | BLANK | | | | | 0301 | 2501 | 1801 | 3501 | 0401 | 1203 |
| 3438 | 0101 | BLANK | | | | | 0501 | BLANK | | | | | 0301 | 2501 | 1801 | 3501 | 0401 | 1203 |
| 3522 | | | | | | | | | | | | | | | | | | |
| 3582 | 01 | BLANK | BLANK | BLANK | 01 | BLANK | 05 | BLANK | | | | | 03 | 25 | 18 | 35 | 04 | 12 |
| 3614 | 0101 | BLANK | | | 01 | BLANK | 0501 | BLANK | | | | | 0301 | 2501 | 1801 | 3501 | 0401 | 1203 |
| 3625 | 0101 | BLANK | BLANK | BLANK | | | 0501 | BLANK | 0402 | 1701 | | | 03 | 25 | 1801/17N | 35 | 04 | 12 |
| 3807 | 01 | BLANK | BLANK | BLANK | 0101 | BLANK | 05 | BLANK | 0402/10501 | 1701/13101 | 0103/10 | 0201 | 03 | 25 | 18 | 35 | 04 | 12 |
| 3849 | 0101 | BLANK | BLANK | BLANK | 0101 | BLANK | 0501 | BLANK | | | | | 03 | 25 | 18 | 35 | 04 | 12 |
| 4237 | 010101 | BLANK | BLANK | BLANK | | | 0501 | BLANK | | | | | 0301 | 250101 | 1801 | 3501 | 0401 | 1203 |
| 4281 | | | | | | | | | | | | | | | | | | |
| 4420 | | | | | | | | | | | | | | | | | | |
| 4545 | 0101 | BLANK | NT | NT | 0101 | BLANK | 0501 | BLANK | 040201G | 170101G | | | 0301 | 2501 | 1801/17N | 3501/42 | 0401/82 | 1203 |
| 4551 | 0101 | BLANK | BLANK | BLANK | 0101/4 | BLANK | 0501/7 | BLANK | | | | | 03 | 25 | 18 | 35 | 04 | 12 |
| 4585 | 01 | BLANK | | | 01 | BLANK | 0501 | BLANK | | | | | 03 | 25 | 18 | 35 | 04 | 12 |
| 4613 | | | | | | | | | | | | | | | | | | |
| 4653 | 01 | BLANK | | | 01 | BLANK | 05 | BLANK | | | | | 03 | 25 | 18 | 35 | 04 | 12 |
| 4709 | | | | | | | | | | | | | | | | | | |
| 5982 | 0101 | BLANK | | | | | 0501 | BLANK | 0402 | 1701 | | | 0301 | 2501 | 1801 | 3501 | 0401 | 1203 |
| 6051 | 0101 | BLANK | BLANK | BLANK | 01 | BLANK | 0501/12 | BLANK | 0402 | 1701 | 0103 | 0201/2 | 03 | 25 | 18 | 35 | 04 | 12 |
| 6313 | 0101 | BLANK | | | | | 0501 | BLANK | | | | | 0301 | 2501 | 1801 | 3501 | 0401 | 1203 |
| 9221 | 01 | BLANK | BLANK | BLANK | 01 | BLANK | 05 | BLANK | 0402 | 1701 | | | 03 | 25 | 18 | 35 | 04 | 12 |
| 197H | 0101 | BLANK | | | | | 0501 | BLANK | 0402 | 1701 | | | 0301 | 2501 | 1801 | 3501P | 0401P | 1203 |
| 197L | 01 | BLANK | BLANK | BLANK | 01 | BLANK | 05 | BLANK | | | 0103 | 02 | 03 | 25 | 18 | 35 | 04 | 12 |
| 4582H | 0101 | BLANK | BLANK | BLANK | 01 | BLANK | 0501 | BLANK | 0402 | 1701 | 0103 | 0201/2 | 0301 | 2501 | 1801 | 3501 | 0401 | 1203 |
| 4582L | 01 | BLANK | BLANK | BLANK | 01 | BLANK | 05 | BLANK | 04 | 17 | 01 | 02 | 03 | 25 | 18 | 35 | 04 | 12 |

DNA #720

| CENTER | DRB1 | | DRB3/4/5 | | DQA1 | | DQB1 | | DPB1 | | DPA1 | | A-Locus | | B-Locus | | C-Locus | |
|--------|----------|----------|-----------|-----------|--------|--------|---------|---------|--------|------------|------|-------|----------|-------|----------|------------|---------|-------|
| 7 | 03 | 11 | 301 | 302 | 05 | 05 | 02 | 03 | | | | | 01 | BLANK | 08 | 18 | 07 | BLANK |
| 16 | 0301/68N | 1104 | 30101 | 30202/27 | 0501/5 | 0501/5 | 0201 | 0301/27 | 020102 | 040101 | 0103 | BLANK | 010101 | BLANK | 080101 | 180101/17N | 070101 | BLANK |
| 80 | 03 | 11 | 30101 | 302 | 0501 | 05 | 0201 | 03 | 0201 | 0401 | 0103 | BLANK | 01 | BLANK | 08 | 18 | 07 | BLANK |
| 124 | 0301 | 1104 | 30101 | 302 | 0501 | 05 | 0201 | 0301 | 0201 | 0401/12601 | | | 01 | BLANK | 0801/19N | 18 | 07 | BLANK |
| 134 | 0301 | 1104 | 30101 | 30202 | | | 0201 | 0301 | 0201 | 0401 | | | 0101 | BLANK | 0801 | 1801 | 0701 | BLANK |
| 138 | 0301 | 1104 | 301 | 302 | 05 | 05 | 0201 | 0301 | 0201 | 0401 | | | 0101 | BLANK | 0801 | 1801 | 0701 | BLANK |
| 139 | 03 | 11 | | | | | 0201 | 03 | | | | | 01 | BLANK | 08 | 18 | 07 | BLANK |
| 142 | 03 | 11 | 301 | 302 | | | 02 | 03 | | | | | 01 | BLANK | 08 | 18 | | |
| 143 | 0301 | 1104 | | | | | 0201/3 | 0301/4 | | | | | 0101 | BLANK | 0801 | 1801 | 0701/6 | BLANK |
| 144 | 0301 | 1104 | | | 0501 | 05 | 020101G | 030101G | | | | | 010101G | BLANK | 080101G | 180101G | 070101G | BLANK |
| 147 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| 148 | 0301 | 1104 | NT | NT | | | NT | NT | NT | NT | | | 01 | BLANK | 08 | 18 | NT | NT |
| 151 | 0301 | 1104 | | | | | | | | | | | 0101 | BLANK | 0801 | 1801 | | |
| 152 | 03 | 11 | | | | | | | | | | | 01 | BLANK | 08 | 18 | | |
| 155 | | | | | | | | | | | | | | | | | | |
| 156 | 0301/68N | 1104 | | | | | 0201 | 0301 | | | | | 0101 | BLANK | 0801 | 1801 | 0701 | BLANK |
| 158 | 0301 | 1104 | 30101 | 30202 | 05 | 05 | 0201 | 0301 | 0201 | 0401 | | | 0101 | BLANK | 0801 | 1801 | 0701 | BLANK |
| 160 | 0301 | 1104 | 30101 | 30202 | | | 0201 | 0301 | | | | | 0101 | BLANK | 0801 | 1801 | 0701 | BLANK |
| 162 | 030101 | 110401 | | | | | 020101 | 030101 | | | | | 010101 | BLANK | 0801 | 180101G | 070101 | BLANK |
| 164 | 03 | 11 | | | | | | | | | | | 01 | BLANK | 08 | 18 | | |
| 168 | 03 | 11 | | | | | | | | | | | 01 | BLANK | 08 | 18 | | |
| 173 | 0301 | 1104 | | | 0501 | 0501/5 | 0201 | 0301 | | | | | 01 | BLANK | 0801 | 1801 | 07 | BLANK |
| 174 | 0301 | 1104 | | | | | 0201 | 0301 | | | | | 0101 | BLANK | 0801 | 1801 | 0701 | BLANK |
| 175 | 0301 | 1104 | | | | | 0201 | 0301 | | | | | 0101 | BLANK | 0801 | 1801 | 0701 | BLANK |
| 176 | | | | | | | | | | | | | | | | | | |
| 185 | 03 | 1104/46 | | | | | 0201/3 | 03 | | | | | 010101G | BLANK | 080101G | 180101G | 070101G | BLANK |
| 186 | | | | | | | | | | | | | | | | | | |
| 187 | 0301 | 1104 | NT | NT | NT | NT | 0201/3 | 0301/4 | NT | NT | NT | NT | 0101 | BLANK | 0801 | 180101G | 0701P | BLANK |
| 188 | 0301 | 1104 | | | | | | | | | | | | | | | | |
| 189 | 0301 | 1104 | 30101 | 30202 | 0501 | 0501/5 | 0201 | 0301 | 0201 | 0401 | NT | NT | 0101 | BLANK | 0801 | 1801 | 0701 | BLANK |
| 190 | 03 | 11 | 3 | 3 | | | 02 | 03 | | | | | 01 | BLANK | 08 | 18 | 07 | BLANK |
| 192 | 0301 | 1104 | 30101 | 30202 | | | 0201 | 0301 | 0201 | 0401 | | | 0101 | BLANK | 0801 | 1801 | 0701 | BLANK |
| 193 | 0301 | 1104 | | | | | | | | | | | 0101/4N | BLANK | 0801 | 1801 | | |
| 195 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| 199 | | | | | | | | | | | | | | | | | | |
| 201 | | | | | | | | | | | | | | | | | | |
| 205 | 0301/68N | 1104 | 30101 | 30202P | 0501 | 05 | 0201 | 0301 | 0201 | 0401 | 0103 | BLANK | 0101 | BLANK | 0801 | 1801 | 0701 | BLANK |
| 206 | 03 | 11 | | | | | | | | | | | 01 | BLANK | 08 | 18 | | |
| 207 | 03 | 11 | 30101 | 30202 | 0501 | 05 | 0201 | 03 | 0201 | 0401 | | | 01 | BLANK | 08 | 18 | 07 | BLANK |
| 208 | 0301 | 1104 | | | | | | | | | | | 0101/4N | BLANK | 0801 | 1801 | | |
| 209 | NT | NT | NT | NT | | | NT | NT | NT | NT | | | NT | NT | NT | NT | NT | NT |
| 212 | | | | | | | | | | | | | | | | | | |
| 213 | 03 | 11 | | | | | 02 | 03 | | | | | 01 | BLANK | 08 | 18 | 07 | BLANK |
| 214 | | | | | | | | | | | | | 010101 | BLANK | 08 | 18 | 070101 | BLANK |
| 215 | NT | NT | NT | NT | | | | | | | | | NT | NT | NT | NT | NT | NT |
| 218 | 0301 | 1104 | | | | | 0201 | 0301 | | | | | 0101 | BLANK | 0801 | 1801 | 0701 | BLANK |
| 222 | 03 | 11 | 302 | 302 | | | 02 | 03 | | | | | 01 | BLANK | 08 | 18 | | |
| 223 | 0301 | 1104 | NT | NT | 0501 | 0505 | 0201 | 0301 | NT | NT | NT | NT | NT | NT | 0801 | 1801 | 0701 | BLANK |
| 225 | 0301 | 1104 | 301010201 | 301010201 | | | 0201 | 0301 | | | | | 0101 | BLANK | 0801 | 1801 | 0701 | BLANK |
| 226 | 03 | 11 | 301 | 302 | 05 | 05 | 0201 | 0301 | 0201 | 0401 | 01 | BLANK | 0101/1N | BLANK | 08 | 18 | 0701 | BLANK |
| 227 | 0301 | 1104 | NT | NT | NT | NT | 020101 | 030101 | NT | NT | NT | NT | 0101 | BLANK | 080101 | 180101 | 070101 | BLANK |
| 228 | 0301 | 1104 | 30101 | 30107 | | | 0201 | 0301 | | | | | | | | | | |
| 229 | | | | | | | | | | | | | | | | | | |
| 230 | 0301 | 1104 | 30101 | 30202 | 05 | 05 | 0201 | 0301 | 0201 | 0401 | 0103 | BLANK | 0101 | BLANK | 0801 | 1801 | 0701 | BLANK |
| 232 | 03 | 11 | | | | | 02 | 03 | | | | | 01 | BLANK | 08 | 18 | 07 | BLANK |
| 234 | 0301 | 1104 | | | NT | NT | 0201 | 0301/21 | NT | NT | | | 0101 | BLANK | 0801 | 1801 | 0701 | BLANK |
| 236 | | | | | | | | | | | | | | | | | | |
| 237 | 0301 | 11 | | | | | 02 | 0301 | | | | | 01 | BLANK | 08 | 18 | | |
| 238 | | | | | | | | | | | | | 0101 | BLANK | 0801 | 1801 | 07 | BLANK |
| 239 | 03 | 11 | 3 | 3 | NT | NT | 02 | 03 | NT | NT | NT | NT | 01 | BLANK | 08 | 18 | 07 | BLANK |
| 240 | | | | | | | 0201 | 0301 | | | | | | | | | 0701 | BLANK |
| 242 | | | | | | | | | | | | | | | | | | |
| 244 | | | | | | | | | | | | | | | | | | |
| 245 | 03 | 1104/104 | | | 05 | 05 | 0201 | 03 | | | | | 01 | BLANK | 08 | 18 | 07 | BLANK |
| 246 | 0301 | 1104 | | | NT | NT | 0201 | 0301 | | | | | | | | | 0701 | BLANK |
| 249 | 030101 | 110401 | | | | | 020101 | 030101 | 020102 | 040101 | | | 010101 | BLANK | 080101 | 180101 | 070101 | BLANK |
| 250 | 13 | 11 | 3 | 3 | | | 02 | 03 | | | | | 01 | BLANK | 08 | 18 | | |
| 251 | | | | | | | | | | | | | | | | | | |
| 252 | 0301 | 11 | 3 | | NT | NT | 02 | 03 | NT | NT | NT | NT | 01 | BLANK | 08 | 18 | 07 | BLANK |
| 255 | 03 | 11 | | | | | | | | | | | 01 | BLANK | 08 | 18 | | |
| 258 | 0301 | 110401 | | | | | 020101 | 030101 | | | | | 01010101 | BLANK | 080101 | 180101 | 070101 | BLANK |
| 259 | | | | | | | | | | | | | | | | | | |
| 260 | | | | | | | | | | | | | | | | | | |
| 262 | 03 | 1104 | | | 0501 | 0505 | 0201 | 0301 | | | | | 01 | BLANK | 08 | 18 | 07 | BLANK |
| 263 | 0301 | 1104 | NT | NT | NT | NT | 0201 | 0301 | 0201 | 0401 | NT | NT | 0101 | BLANK | 0801 | 1801 | 0701 | BLANK |

DNA #720

| CENTER | DRB1 | DRB3/4/5 | DQA1 | DQB1 | DPB1 | DPA1 | A-Locus | B-Locus | C-Locus | | | | | | | | | |
|--------|------------|----------|----------|----------|------|---------|---------|---------|------------|-------------|---------|-------|----------|-------|---------|----------|----------|-------|
| 264 | 030101G | 110401 | | | | | 020101G | 030101G | 020102 | 040101G | 010301G | BLANK | 010101G | BLANK | 080101G | 180101G | 070101G | BLANK |
| 265 | 0301/4 | 1101/4 | 30101/2 | 30101/2 | 0501 | 0510 | 0201/2 | 0301/4 | | | | | 0101/1N | BLANK | 0801/4 | 1801/2 | 0701/2 | BLANK |
| 266 | 01 | 11 | 3 | 3 | | | 02 | 03 | | | | | 01 | BLANK | 08 | 18 | 07 | BLANK |
| 267 | 0301 | 1104 | 30101 | 30202 | 0501 | 0510 | 0201 | 0301 | NT | NT | NT | NT | 0101 | BLANK | 0801 | 1801 | 0701 | BLANK |
| 268 | 03 | 11 | | | 02 | 03 | 02 | 03 | | | | | 01 | BLANK | 08 | 18 | 07 | BLANK |
| 271 | | | | | | | | | | | | | | | | | | |
| 273 | 0301 | 1104 | 30101 | 30202 | | | 0201 | 0301 | | | | | 0101 | BLANK | 0801 | 1801 | 0701 | BLANK |
| 274 | 0301 | 1104 | | | 0501 | 0505/9 | 0201 | 0301 | | | | | 0101 | BLANK | 0801 | 1801 | 0701 | BLANK |
| 278 | 0301 | 1104 | 30101 | 30202 | 0501 | 05 | 0201 | 0301 | 0201 | 0401 | 0103 | BLANK | 0101 | BLANK | 0801 | 1801 | 0701 | BLANK |
| 401 | | | | | | | | | | | | | 0101 | BLANK | 0801 | 1801/17N | 0701 | BLANK |
| 452 | 0301 | 1104 | 30101 | 30202 | NT | NT | 0201 | 0301 | 0201 | 0401 | NT | NT | 0101 | BLANK | 0801 | 1801 | 0701 | BLANK |
| 519 | | | | | | | | | | | | | | | | | | |
| 615 | 030101G | 1104 | 3010102G | 3020201G | | | 0201 | 0301 | 0201 | 040101G | | | | | | | | |
| 616 | 03 | 11 | | | | | | | | | | | 01 | BLANK | 08 | 18 | 07 | BLANK |
| 635 | | | | | | | | | | | | | | | | | | |
| 702 | 0301 | 1104 | 30101 | 30202 | 0501 | 0505 | 0201 | 0301 | 0201 | 0401 | | | 0101 | BLANK | 0801 | 1801 | 0701 | BLANK |
| 714 | 0301 | 1104 | NT | NT | NT | NT | 0201 | 0301 | NT | NT | NT | NT | 0101 | BLANK | 0801 | 1801 | 0701 | BLANK |
| 726 | | | | | | | | | | | | | | | | | | |
| 732 | 030101 | 110401 | 30101/15 | 30202/21 | 05 | 05 | 020101 | 0301/19 | | | | | 010101 | BLANK | 080101 | 1801/17N | 0701/6 | BLANK |
| 769 | 03 | 11 | 301 | 302 | | | 02 | 03 | 0201 | 0401 | | | 01 | BLANK | 08 | 18 | 07 | BLANK |
| 805 | 0301 | 1104 | NT | NT | NT | NT | 0201 | 0301 | NT | NT | NT | NT | 0101 | BLANK | 0801 | 1801 | 070101G | BLANK |
| 1113 | 0301/52 | 1104/46 | 30101 | 30202 | 0501 | 05 | 0201 | 0301 | 0201 | 0401 | | | 0101 | BLANK | 0801 | 1801/17N | 0701 | BLANK |
| 1189 | 0301 | 1104 | 30101 | 30202 | | | 0201 | 0301 | 0201 | 0401 | | | 0101 | BLANK | 0801 | 1801 | 0701 | BLANK |
| 1212 | | | | | | | | | | | | | | | | | | |
| 1251 | | | | | | | | | | | | | | | | | | |
| 1498 | 030101/68N | 1104 | 30101/12 | 3020201G | 0501 | 0505/11 | 0201/5 | 030101G | 0201/12301 | 0401/12001N | | | 010101G | BLANK | 080101G | 180101G | 070101G | BLANK |
| 1647 | 0301 | 1104 | | | | | 0201 | 0301 | 0201 | 0401 | | | 0101 | BLANK | 0801 | 1801 | 070101G | BLANK |
| 1686 | | | | | | | | | | | | | | | | | | |
| 1905 | 0301 | 1104 | 30101 | 302 | | | 0201 | 0301 | 0201 | 0401 | 0103 | BLANK | 0101 | BLANK | 0801 | 1801 | 0701 | BLANK |
| 2004 | 0301 | 1104 | 30101 | 30202 | 0501 | 0505 | 0201 | 0301 | | | | | 0101 | BLANK | 0801 | 1801 | 0701 | BLANK |
| 2013 | 0301 | 1104 | NT | NT | NT | NT | 0201 | 0301 | NT | NT | NT | NT | 0101 | BLANK | 0801 | 1801 | 0701 | BLANK |
| 2015 | | | | | | | | | | | | | | | | | | |
| 2063 | 0301 | 110401 | 30101 | 302 | 0501 | 05 | 020101 | 0301 | | | | | 01010101 | BLANK | 080101 | 180101 | 070101/8 | BLANK |
| 2347 | 03 | 11 | 3 | 3 | 05 | 05 | 02 | 03 | 0201 | 0401 | 0103 | BLANK | 01 | BLANK | 08 | 18 | 07 | BLANK |
| 2411 | 0301 | 1104 | | | | | 0201 | 0301 | | | | | 0101 | BLANK | 0801 | 1801 | 0701 | BLANK |
| 2518 | 03 | 11 | NT | NT | 0501 | 05 | 0201 | 03 | 0201 | 0401 | 0103 | BLANK | 01 | BLANK | 08 | 18 | 07 | BLANK |
| 2549 | 0301/68 | 1104 | 301 | 302 | 0501 | 0505 | 0201 | 0301 | 0201 | 040101G | NT | NT | 0101 | BLANK | 0801/71 | 1801/40 | 0701 | BLANK |
| 3248 | | | | | | | | | | | | | | | | | | |
| 3261 | | | | | | | | | | | | | | | | | | |
| 3264 | 03 | 11 | | | 0501 | 05 | 0201 | 03 | | | | | 0101 | BLANK | 0801 | 1801 | 0701 | BLANK |
| 3325 | 03 | 11 | | | | | 02 | 03 | | | | | 0101 | BLANK | 0801 | 1801 | 0701 | BLANK |
| 3410 | 0301 | 1104 | | | | | 0201 | 0301 | | | | | 0101 | BLANK | 0801 | 1801 | 0701 | BLANK |
| 3438 | 0301 | 1104 | | | | | 0201 | 0301 | | | | | 01 | BLANK | 08 | 18 | 07 | BLANK |
| 3522 | | | | | | | | | | | | | | | | | | |
| 3582 | 0301 | 1104 | 30101/15 | 302 | | | 0201 | 0301 | 0201 | 040101G | | | 0101 | BLANK | 0801 | 1801 | 0701 | BLANK |
| 3614 | 0301 | 1104 | | | 0501 | 0510 | 0201 | 0301 | | | | | 0101 | BLANK | 0801 | 1801 | 0701 | BLANK |
| 3625 | 0301 | 1104 | 3 | | | | 0201 | 0301 | 0201 | 0401 | | | 0101 | BLANK | 0801 | 1801/17N | 0701 | BLANK |
| 3807 | 03 | 11 | 301 | 302 | 0501 | 05 | 02 | 03 | 0201/12301 | 0401/12001N | 0103/10 | BLANK | 01 | BLANK | 08 | 18 | 07 | BLANK |
| 3849 | 0301 | 1104 | 301 | 302 | 0501 | 0505 | 0201 | 0301 | | | | | 01 | BLANK | 08 | 18 | 07 | BLANK |
| 4237 | 0301 | 1104 | 30101 | 30202 | | | 0201 | 0301 | | | | | 01010101 | BLANK | 080101 | 1801 | 070101 | BLANK |
| 4281 | | | | | | | | | | | | | | | | | | |
| 4420 | | | | | | | | | | | | | | | | | | |
| 4545 | 0301 | 1104 | 30101 | 30202 | 0501 | 05 | 0201 | 0301 | 0201 | 040101G | | | 0101 | BLANK | 0801 | 1801/17N | 070101G | BLANK |
| 4551 | 0301 | 1104 | 30101 | 30202 | 0501 | 05 | 0201 | 0301 | 0201 | 0401 | | | 010101G | BLANK | 0801 | 180101G | 0701 | BLANK |
| 4585 | 03 | 11 | | | 0501 | 05 | 0201 | 03 | | | | | 01 | BLANK | 08 | 18 | 07 | BLANK |
| 4613 | | | | | | | | | | | | | | | | | | |
| 4653 | 03 | 11 | | | 05 | 05 | 0201 | 0301 | | | | | 01 | BLANK | 08 | 18 | 07 | BLANK |
| 4709 | 0301 | 1104 | | | 05 | 05 | 0201 | 0301 | 0201 | 0401 | | | 0101 | BLANK | 0801 | 1801 | 0701 | BLANK |
| 5982 | 0301 | 1104 | | | | | 0201 | 0301 | 0201 | 0401 | | | 0101 | BLANK | 0801 | 1801 | 0701 | BLANK |
| 6051 | 0301 | 1104/104 | 30101 | 302 | 0501 | 05 | 0201 | 0301 | 0201 | 0401 | 0103 | BLANK | 01 | BLANK | 08 | 18 | 07 | BLANK |
| 6313 | 03 | 11 | | | | | 0201 | 03 | | | | | 01 | BLANK | 08 | 18 | 07 | BLANK |
| 9221 | 03 | 11 | 3 | | 05 | 05 | 02 | 03 | | | | | 01 | BLANK | 08 | 18 | 07 | BLANK |
| 197H | 0301 | 1104 | | | | | 0201 | 0301 | 0201 | 0401 | | | 0101 | BLANK | 0801 | 1801 | 0701P | BLANK |
| 197L | 03 | 11 | 30101 | 302 | 0501 | 0510 | 0201 | 03 | | | 0103 | BLANK | 01 | BLANK | 08 | 18 | 07 | BLANK |
| 4582H | 0301 | 1104 | 30101 | 30202 | 0501 | 05 | 0201 | 0301 | 0201 | 0401 | 0103 | BLANK | 0101 | BLANK | 0801 | 1801 | 0701 | BLANK |
| 4582L | 03 | 11 | 301 | 302 | 05 | 05 | 02 | 03 | 02 | 04 | 01 | BLANK | 01 | BLANK | 08 | 18 | 07 | BLANK |

DNA #721

| CENTER | DRB1 | DRB3/4/5 | DQA1 | DQB1 | DPB1 | DPA1 | A-Locus | B-Locus | C-Locus | | | | | | | | | |
|--------|--------|-----------|-----------|-------|---------|---------|------------|---------|---------|------------|------|------|---------|--------|---------|---------|----------|-----------|
| 7 | 01 | 14 | 302 | BLANK | 01 | 01 | 05 | 05 | | | | 31 | 34 | 13 | 49 | 07 | 12 | |
| 16 | 010201 | 140101/54 | 30202/27 | BLANK | 010101G | 010101G | 0501/7 | 0502/14 | 010101 | 040101 | 0103 | 0202 | 310102 | 340101 | 1301 | 490101 | 0701 | 1203 |
| 80 | 01 | 14 | 302 | BLANK | 01 | 01 | 05 | 05 | 0101 | 0401 | 0103 | 0202 | 31 | 34 | 13 | 49 | 07 | 12 |
| 124 | 0102 | 1401/54 | 30202/28 | BLANK | 01 | 01 | 0501 | 0502 | 0101 | 0401/12601 | | | 31 | 3401 | 1301/52 | 4901 | 07 | 1203/23 |
| 134 | 0102 | 1454 | 30202 | BLANK | | | 0501 | 0502 | 0101 | 0401 | | | 3101 | 3401 | 1301 | 4901 | 0701 | 1203 |
| 138 | 0102 | 1454 | 302 | BLANK | 01 | 01 | 0501 | 0502 | 0101 | 0401 | | | 3101 | 3401 | 1301 | 4901 | 0701 | 1203 |
| 139 | 0102 | 14 | | | | | 0501/2 | 0502/7 | | | | | 31 | 3401/5 | 13 | 4901/6 | 07 | 12 |
| 142 | 01 | 14 | 302 | BLANK | | | 05 | 05 | | | | | 31 | 34 | 13 | 49 | | |
| 143 | 0102 | 1401/54 | | | | | 0501 | 0502 | | | | | 3101 | 3401 | 1301 | 4901 | 0701/6 | 1203 |
| 144 | 0102 | 140101G | | | 01 | 01 | 0501 | 050201G | | | | | 310102G | 3401 | 130101G | 4901 | 070101G | 120301G |
| 147 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | | | NT | NT | NT | NT | NT | NT |
| 148 | 0102 | 1401P | NT | NT | | | NT | NT | NT | NT | | | 31 | 34 | 13 | 49 | NT | NT |
| 151 | 0102 | 140101G | | | | | | | | | | | 3101 | 3401 | 1301 | 4901 | | |
| 152 | 01 | 14 | | | | | | | | | | | 31 | 34 | 13 | 49 | | |
| 155 | | | | | | | | | | | | | | | | | | |
| 156 | 0102 | 1454 | | | | | 0501 | 0502 | | | | | 3101 | 3401 | 1301 | 4901 | 0701 | 1203 |
| 158 | 0102 | 1454 | 30202 | BLANK | 01 | 01 | 0501 | 0502 | 0101 | 0401 | | | 3101/6 | 3401 | 1301 | 4901 | 0701 | 1203 |
| 160 | 0102 | 1454 | 30202 | BLANK | | | 0501 | 0502 | | | | | 3101 | 3401 | 1301 | 4901 | 0701 | 1203 |
| 162 | 010201 | 1401/54 | | | | | 050101 | 050201 | | | | | 310102 | 340101 | 1301 | 490101 | 070101 | 1203 |
| 164 | 01 | 14 | | | | | | | | | | | 31 | 34 | 13 | 49 | | |
| 168 | 01 | 14 | | | | | | | | | | | 31 | 34 | 13 | 49 | | |
| 173 | 0102 | 1401/54 | | | 0101 | 0101 | 0501 | 0502 | | | | | 31 | 34 | | | | |
| 174 | 0102 | 1401/54 | | | | | 0501 | 0502 | | | | | 3101 | 3401 | 1301 | 4901 | 07 | 1203 |
| 175 | 0102 | 1401 | | | | | 0501 | 0503 | | | | | 3101 | 3401/5 | 1301 | 4901 | 0701 | 1203 |
| 176 | | | | | | | | | | | | | | | | | | |
| 185 | 010201 | 1401/54 | | | | | 05010101/2 | 050201 | | | | | 310102G | 340101 | 13 | 49 | 070101/5 | 120301/10 |
| 186 | | | | | | | | | | | | | | | | | | |
| 187 | 0102 | 1401P | NT | NT | NT | NT | 0501 | 0502 | NT | NT | NT | NT | 3101 | 3401 | 1301 | 4901 | 0701P | 1203 |
| 188 | 0102 | 1401P | | | | | | | | | | | | | | | | |
| 189 | 0102 | 1454 | 30202 | BLANK | 01 | 01 | 0501 | 0502 | 0101 | 0401 | NT | NT | 3101 | 3401 | 1301 | 4901 | 0701 | 1203 |
| 190 | 01 | 14 | 3 | BLANK | | | 05 | 05 | | | | | 31 | 34 | 13 | 49 | 07 | 12 |
| 192 | 0102 | 1454 | 30202 | BLANK | | | 0501 | 0502 | 0101 | 0401 | | | 310102G | 3401 | 1301 | 4901 | 0701 | 1203 |
| 193 | 0102 | 1401/54 | | | | | | | | | | | 3101 | 3401 | 1301 | 4901 | | |
| 195 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | | | NT | NT | NT | NT | NT | NT |
| 199 | | | | | | | | | | | | | | | | | | |
| 201 | | | | | | | | | | | | | | | | | | |
| 205 | 0102 | 1454 | 30202P | BLANK | 0101 | 0104 | 0501 | 0502 | 0101 | 0401 | 0103 | 0202 | 3101 | 3401 | 1301 | 4901 | 0701 | 1203 |
| 206 | 01 | 14 | | | | | | | | | | | 31 | 34 | 13 | 49 | | |
| 207 | 0102 | 14 | NT | NT | NT | NT | 05 | 0502/14 | 0101 | 0401 | | | 31 | 34 | 13 | 49 | 07 | 12 |
| 208 | 0102 | 1401/54 | | | | | | | | | | | 3101 | 3401 | 1301 | 4901 | | |
| 209 | NT | NT | NT | NT | | | NT | NT | NT | NT | | | NT | NT | NT | NT | NT | NT |
| 212 | | | | | | | | | | | | | | | | | | |
| 213 | 01 | 14 | | | | | 05 | 05 | | | | | 31 | 34 | 13 | 49 | 07 | 12 |
| 214 | | | | | | | | | | | | | 310102 | 340101 | 13 | 49 | 07 | 12 |
| 215 | NT | NT | NT | NT | | | | | | | | | NT | NT | NT | NT | NT | NT |
| 218 | 0102 | 1454 | | | | | 0501 | 0502 | | | | | 3101 | 3401 | 1301 | 4901 | 0701 | 1203 |
| 222 | 01 | 14 | 302 | BLANK | | | 05 | 05 | | | | | 31 | 26 | 13 | 49 | | |
| 223 | 0102 | 1454 | NT | NT | 0101 | 0104 | 0501 | 0502 | NT | NT | NT | NT | NT | NT | 1301 | 4901 | 0701 | 1203 |
| 225 | 0102 | 1401 | 301010201 | BLANK | | | 0501 | 0502 | | | | | 3101 | 3401 | 1301 | 4901 | 0701 | 1203 |
| 226 | 0102 | 14 | 302 | BLANK | 01 | 01 | 0501 | 0502 | 0101 | 0401 | 01 | 02 | 3101 | 3401 | 1301/23 | 4901/10 | 07 | 1203/28 |
| 227 | 010201 | 1454 | NT | NT | NT | NT | 050101 | 050201 | NT | NT | NT | NT | 310102 | 3401 | 1301 | 4901 | 070101 | 120301 |
| 228 | 0102 | 1408 | 30202 | BLANK | | | 0501 | 0502 | | | | | | | | | | |
| 229 | | | | | | | | | | | | | | | | | | |
| 230 | 0102 | 1454 | 30202 | BLANK | 01 | 01 | 0501 | 0502 | 0101 | 0401 | 0103 | 0202 | 3101 | 3401 | 1301 | 4901 | 0701 | 1203 |
| 232 | 01 | 14 | | | | | 05 | 05 | | | | | 31 | 34 | 13 | 49 | 07 | 12 |
| 234 | 0102 | 1454/113 | | | 0101/4 | 0101/4 | 0501/7 | 0502/14 | NT | NT | | | 3101/6 | 3401 | 1301/43 | 4901/13 | 0701/6 | 1203/23 |
| 236 | | | | | | | | | | | | | | | | | | |
| 237 | 01 | 14 | | | | | 05 | 05 | | | | | 31 | 66 | 13 | 49 | | |
| 238 | | | | | | | | | | | | | 3101 | 3401 | 1301 | 4901 | 07 | 12 |
| 239 | 01 | 14 | 3 | BLANK | NT | NT | 05 | 05 | NT | NT | NT | NT | 31 | 34 | 13 | 49 | 07 | 12 |
| 240 | | | | | | | 0501 | 0502 | | | | | | | | | 0701 | 1203 |
| 242 | | | | | | | | | | | | | | | | | | |
| 244 | | | | | | | | | | | | | | | | | | |
| 245 | 0102 | 14 | | | 01 | 01 | 05 | 05 | | | | | 31 | 3401 | 1301/43 | 49 | 07 | 12 |
| 246 | 0102 | 1401/54 | | | 0101 | 0101 | 0501 | 0502 | | | | | | | | | 0701 | 1203 |
| 249 | 010201 | 145401 | | | | | 050101 | 050201 | 010101 | 040101 | | | 310102 | 340101 | 130101 | 490101 | 070101 | 120301 |
| 250 | 01 | 14 | 3 | BLANK | | | 05 | 05 | | | | | 31 | 11 | 13 | 49 | | |
| 251 | | | | | | | | | | | | | | | | | | |
| 252 | 01 | 14 | 3 | BLANK | NT | NT | 05 | 05 | NT | NT | NT | NT | 31 | 34 | 13 | 49 | 07 | 12 |
| 255 | 01 | 14 | | | | | | | | | | | 31 | 34 | 13 | 49 | | |
| 258 | 010201 | 1454/1 | | | | | 050101 | 050201 | | | | | 310102 | 340101 | 130101 | 490101 | 070101 | 120301 |
| 259 | | | | | | | | | | | | | | | | | | |
| 260 | | | | | | | | | | | | | | | | | | |
| 262 | 0102 | 1454 | | | 0101 | 0104 | 0501 | 0502 | | | | | 31 | 34 | 13 | 49 | 07 | 12 |
| 263 | 0102 | 1401 | NT | NT | NT | NT | 0501 | 0502 | 0101 | 0401 | NT | NT | 3101 | 3401 | 1301 | 4901 | 0701 | 1203 |

DNA #721

| CENTER | DRB1 | DRB3/4/5 | | DQA1 | | DQB1 | | DPB1 | | DPA1 | | A-Locus | | B-Locus | | C-Locus | |
|--------|--------|----------|-----------|-------|--------|---------|---------|---------|---------|-------------|---------|---------|---------|---------|---------|---------|-----------|
| 264 | 010201 | 140101G | | | | 050101G | 050201G | 010101 | 040101G | 010301G | 020202 | 310102G | 340101 | 130101G | 490101 | 070101G | 120301G |
| 265 | 0101/2 | 1401/7 | 30101/2 | BLANK | 0101/4 | 0101/4 | 0501/2 | 0501/2 | | | | 3101/2 | 3401/2 | 1301/2 | 4901/6 | 0701/2 | 1203/4 |
| 266 | 01 | 14 | 3 | BLANK | | | 05 | 05 | | | | 31 | 34 | 13 | 49 | 07 | 12 |
| 267 | 0102 | 1401 | 30202 | BLANK | 0101 | 0101 | 0501 | 0502 | NT | NT | NT | 3101 | 3401/5 | 1301 | 4901 | 0701 | 1203 |
| 268 | 01 | 14 | | | 01 | 01 | 05 | 05 | | | | 31 | 34 | 13 | 49 | 07 | 12 |
| 271 | | | | | | | | | | | | | | | | | |
| 273 | 0102 | 1454 | 30202 | BLANK | | | 0501 | 0502 | | | | 3101 | 3401 | 1301 | 4901 | 0701 | 1203 |
| 274 | 0102 | 1454 | | | 0101 | 0104 | 0501 | 0502 | | | | 3101 | 3401 | 1301 | 4901 | 0701 | 1203 |
| 278 | 0102 | 1454 | 30202 | BLANK | 01 | 01 | 0501 | 0502 | 0101 | 0401 | 0103 | 0202 | 3101 | 3401 | 1301 | 4901 | 0701 |
| 401 | | | | | | | | | | | | 3101 | 3401 | 1301 | 4901 | 0701 | 1203 |
| 452 | 0102 | 140101G | 30202 | BLANK | NT | NT | 0501 | 0502 | 0101 | 0401 | NT | NT | 3101 | 3401 | 1301 | 4901 | 0701 |
| 519 | | | | | | | | | | | | | | | | | |
| 615 | 0102 | 1454 | 3020201G | BLANK | | | 050101G | 050201G | 0101 | 040101G | | | | | | | |
| 616 | 01 | 14 | | | | | | | | | | 31 | 34 | 13 | 39 | 07 | 12 |
| 635 | | | | | | | | | | | | | | | | | |
| 702 | 0102 | 1454 | 30202 | BLANK | 0101 | 0104 | 0501 | 0502 | 0101 | 0401 | | | 3101 | 3401 | 1301 | 4901 | 0701 |
| 714 | 0102 | 1454 | NT | NT | NT | NT | 0501 | 0502 | NT | NT | NT | NT | 3101 | 3401 | 1301 | 4901 | 0701 |
| 726 | | | | | | | | | | | | | | | | | |
| 732 | 010201 | 145401 | 30202/28 | BLANK | 01 | 01 | 050101 | 050201 | | | | | 310102 | 340101 | 1301 | 490101 | 0701/6 |
| 769 | 01 | 14 | 302 | BLANK | | | 05 | 05 | 0101 | 0401 | | | 31 | 34 | 13 | 49 | 07 |
| 805 | 0102 | 1454 | NT | NT | NT | NT | 0501 | 0502 | NT | NT | NT | NT | 3101 | 3401 | 1301 | 4901 | 070101G |
| 1113 | 0102 | 1401/54 | 30202 | BLANK | 01 | 01 | 0501 | 0502 | 0101 | 0401/12601 | | | 3101 | 3401 | 1301 | 4901 | 0701 |
| 1189 | 0102 | 1454 | 30202 | BLANK | | | 0501 | 0502 | 0101 | 0401 | | | 3101 | 3401 | 1301 | 4901 | 0701 |
| 1212 | | | | | | | | | | | | | | | | | |
| 1251 | | | | | | | | | | | | | | | | | |
| 1498 | 010201 | 1454 | 3020201G | BLANK | 0101 | 0104 | 0501/7 | 0502 | 0101 | 0401/12001N | | | 310102G | 340101 | 130101G | 490101 | 070101G |
| 1647 | 0102 | 1454 | | | | | 0501 | 0502 | 0101 | 0401 | | | 3101 | 3401 | 1301 | 4901 | 070101G |
| 1686 | | | | | | | | | | | | | | | | | |
| 1905 | 0102 | 1401P | 302 | BLANK | | | 0501 | 0502 | 0101 | 0401P | 0103 | 0202 | 3101 | 3401 | 1301 | 4901 | 0701 |
| 2004 | 0102 | 1454 | 30202 | BLANK | 0101 | 0104 | 0501 | 0502 | | | | | 3101 | 3401 | 1301 | 4901 | 0701 |
| 2013 | 0102 | 1454 | NT | NT | NT | NT | 0501 | 0502 | NT | NT | NT | NT | 3101 | 3401 | 1301 | 4901 | 0701 |
| 2015 | | | | | | | | | | | | | | | | | |
| 2063 | 010201 | 145401 | 302 | BLANK | 01 | 01 | 050101 | 0502 | | | | | 310102 | 340101 | 130101 | 490101 | 070101/18 |
| 2347 | 01 | 14 | 3 | BLANK | 01 | 01 | 05 | 05 | 0101 | 0401 | 0103 | 0202 | 31 | 34 | 13 | 49 | 07 |
| 2411 | 0102 | 1401 | | | | | 0501 | 0502 | | | | | 3101 | 3401 | 1301 | 4901 | 0701 |
| 2518 | 01 | 14 | NT | NT | 01 | 01 | 05 | 05 | 0101 | 0401 | 0103 | 0202 | 31 | 34 | 13 | 49 | 07 |
| 2549 | 0102 | 1454 | 302 | BLANK | 0101 | 0104 | 0501 | 0502 | 0101 | 040101G | NT | NT | 3101 | 3401 | 1301 | 4901 | 0701 |
| 3248 | | | | | | | | | | | | | | | | | |
| 3261 | | | | | | | | | | | | | 3101 | 3401 | 1301 | 4901 | 0701 |
| 3264 | 0102 | 1454 | 30202/29N | BLANK | | | 0501 | 0502 | 0101 | 0401 | | | 3101 | 3401 | 1301 | 4901 | 0701 |
| 3325 | 01 | 14 | | | | | 05 | 05 | | | | | 31 | 34 | 1301 | 49 | 0701 |
| 3410 | 0102 | 1454 | | | | | 0501 | 0502 | | | | | 3101 | 3401 | 1301 | 4901 | 0701 |
| 3438 | 0102 | 1454 | | | | | 0501 | 0502 | | | | | 31 | 34 | 13 | 49 | 07 |
| 3522 | | | | | | | | | | | | | | | | | |
| 3582 | 0102 | 1454 | 3020201G | BLANK | | | 0501 | 0502 | 0101 | 040101G | | | 3101 | 3401 | 1301 | 4901 | 0701 |
| 3614 | 0102 | 1454 | | | 01 | 01 | 0501 | 0502 | | | | | 3101 | 34 | 1301 | 4901 | 0701 |
| 3625 | 0102 | 1401/54 | 3 | BLANK | | | 0501 | 0502 | 0101 | 0401 | | | 3101 | 34 | 1301 | 4901 | 0701 |
| 3807 | 01 | 14 | 302 | BLANK | 0101 | 0104 | 05 | 05 | 0101 | 0401/12001N | 0103/10 | 0202/4 | 31 | 3401 | 13 | 49 | 07 |
| 3849 | 0102 | 1401/54 | 302 | BLANK | 0101 | 0104 | 0501 | 0502 | | | | | 31 | 3401/5 | 13 | 49 | 07 |
| 4237 | 0102 | 1454 | 30202 | BLANK | | | 0501 | 0502 | | | | | 310102 | 340101 | 1301 | 490101 | 070101 |
| 4281 | | | | | | | | | | | | | | | | | |
| 4420 | | | | | | | | | | | | | | | | | |
| 4545 | 0102 | 140101G | 30202 | BLANK | 0101 | 0104 | 0501 | 0502 | 0101 | 040101G | | | 3101 | 3401 | 1301 | 4901 | 070101G |
| 4551 | 0102 | 1454 | 30202 | BLANK | 01 | 01 | 0501 | 0502 | 0101 | 0401 | | | 3101 | 3401 | 130101G | 4901 | 0701 |
| 4585 | 01 | 14 | | | 01 | 01 | 05 | 0502 | | | | | 31 | 3401/5 | 13 | 49 | 07 |
| 4613 | | | | | | | | | | | | | | | | | |
| 4653 | 01 | 14 | | | 01 | 01 | 05 | 0502/14 | | | | | 31 | 3401/5 | 13 | 49 | 07 |
| 4709 | 0102 | 1454 | | | 01 | 01 | 0501 | 0502 | 0101 | 0401 | | | 3101 | 3401 | 1301 | 4901 | 0701 |
| 5982 | 0102 | 1401/54 | | | | | 0501 | 0502 | 0101 | 0401 | | | 3101 | 3401 | 1301 | 4901 | 0701 |
| 6051 | 0102 | 1454 | 302 | BLANK | 01 | 01 | 0501 | 0502/14 | 0101 | 0401 | 0302 | 0201 | 31 | 34 | 13 | 49 | 07 |
| 6313 | 01 | 14 | | | | | 0501 | 0502 | | | | | 31 | 34 | 13 | 4901/6 | 07 |
| 9221 | 01 | 14 | 3 | BLANK | 01 | 01 | 05 | 05 | | | | | 31 | 34 | 13 | 49 | 07 |
| 197H | 0102 | 1401P | | | | | 0501 | 0502 | 0101 | 0401 | | | 3101 | 3401 | 1301 | 4901 | 0701P |
| 197L | 01 | 14 | 302 | BLANK | 0101 | 0104 | 05 | 05 | | | 0103 | 0202 | 31 | 34 | 13 | 49 | 07 |
| 4582H | 0102 | 1454 | 30202 | BLANK | 01 | 01 | 0501 | 0502 | 0101 | 0401 | 0103 | 0202 | 3101 | 3401 | 1301 | 4901 | 0701 |
| 4582L | 01 | 14 | 302 | BLANK | 01 | 01 | 05 | 05 | 01 | 04 | 01 | 02 | 31 | 34 | 13 | 49 | 07 |

DNA #722

| CENTER | DRB1 | | DRB3/4/5 | | DQA1 | | DQB1 | | DPB1 | | DPA1 | | A-Locus | | B-Locus | | C-Locus | |
|--------|----------|---------|-----------|---------|--------|---------|---------|---------|------------|-------|------|-------|---------|---------|-----------|----------|---------|--------|
| 7 | 14 | 15 | 302 | 50101 | 01 | 01 | 05 | 06 | | | | | 03 | 29 | 07 | 44 | 07 | 16 |
| 16 | 1401/54 | 1501 | 30202/27 | 50101 | 01 | 010101G | 0503/6 | 0602/47 | 040101 | BLANK | 0103 | BLANK | 030101 | 290201 | 070201/61 | 440301 | 0702/50 | 1601 |
| 80 | 14 | 15 | 302 | 50101 | 01 | 01 | 05 | 06 | 0401 | BLANK | 0103 | BLANK | 03 | 29 | 07 | 44 | 07 | 16 |
| 124 | 1401/54 | 1501 | 30202/28 | 50101 | 0102 | 01 | 0503 | 0602 | 0401/12601 | BLANK | | | 03 | 2902/26 | 07 | 4403 | 07 | 1601 |
| 134 | 1454 | 1501 | 30202 | 50101 | | | 0503 | 0602 | 0401 | BLANK | | | 0301 | 2902 | 0702 | 4403 | 0702 | 1601 |
| 138 | 1401 | 1501 | 302 | 501 | 01 | 01 | 0503 | 0602 | 0401 | BLANK | | | 0301 | 2902 | 0702 | 4403 | 0702 | 1601 |
| 139 | 14 | 15 | | | | | 05 | 06 | | | | | 03 | 29 | 07 | 44 | 07 | 16 |
| 142 | 14 | 15 | 302 | 501 | | | 05 | 06 | | | | | 03 | 29 | 07 | 44 | | |
| 143 | 1401/54 | 1501 | | | | | 0503 | 0602 | | | | | 0301 | 2902 | 0702 | 4403 | 0702/50 | 1601 |
| 144 | 140101G | 1501 | | | 01 | 01 | 050301G | 0602 | | | | | 030101G | 290201G | 070201G | 4403 | 070201G | 1601 |
| 147 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | | | NT | NT | NT | NT | NT | NT |
| 148 | 14 | 15 | NT | NT | | | NT | NT | NT | NT | | | 03 | 29 | 07 | 44 | NT | NT |
| 151 | 140101G | 150101G | | | | | | | | | | | 0301 | 2902 | 0702 | 4403 | | |
| 152 | 14 | 15 | | | | | | | | | | | 03 | 29 | 07 | 44 | | |
| 155 | | | | | | | | | | | | | | | | | | |
| 156 | 1454 | 1501 | | | | | 0503 | 0602 | | | | | 0301 | 2902 | 0702 | 4403 | 0702 | 1601 |
| 158 | 1454 | 1501 | 30202 | 50101 | 01 | 01 | 0503 | 0602 | 0401 | BLANK | | | 0301 | 2902 | 0702 | 4403 | 0702 | 1601 |
| 160 | 1454 | 1501 | 30202 | 50101 | | | 0503 | 0602 | | | | | 0301 | 2902 | 0702 | 4403 | 0702 | 1601 |
| 162 | 1401/54 | 150101 | | | | | 050301G | 060201 | | | | | 030101 | 290201 | 070201 | 440301 | 070201 | 160101 |
| 164 | 14 | 15 | | | | | | | | | | | 03 | 29 | 07 | 44 | | |
| 168 | 14 | 15 | | | | | | | | | | | 03 | 29 | 07 | 44 | | |
| 173 | 1401/54 | 1501 | | | 0102 | 0101 | 0503 | 0602 | | | | | 03 | 29 | | | | |
| 174 | 1401/54 | 1501 | | | | | 0503 | 0602 | | | | | 0301 | 2902 | 0702 | 4403 | 0702/66 | 1601 |
| 175 | 1401 | 1501 | | | | | 0503 | 0602 | | | | | 0301 | 2902 | 0702 | 44 | 0702 | 1601 |
| 176 | | | | | | | | | | | | | | | | | | |
| 185 | 1401/54 | 150101G | | | | | 0503/10 | 060201 | | | | | 030101G | 290201G | 0702/114 | 4403/105 | 07 | 16 |
| 186 | | | | | | | | | | | | | | | | | | |
| 187 | 1401P | 1501 | NT | NT | NT | NT | 0503 | 0602 | NT | NT | NT | NT | 0301 | 2902 | 070201G | 4403 | 0702P | 1601 |
| 188 | 1401P | 1501 | | | | | | | | | | | | | | | | |
| 189 | 1454 | 1501 | 30202 | 50101 | 0102 | 0101/4 | 0503 | 0602 | 0401 | BLANK | NT | NT | 0301 | 2902 | 0702 | 4403 | 0702 | 1601 |
| 190 | 14 | 15 | 3 | 5 | | | 05 | 06 | | | | | 03 | 29 | 07 | 44 | 07 | 16 |
| 192 | 1454 | 1501 | 30202 | 50101 | | | 0503 | 0602 | 0401 | BLANK | | | 0301 | 2902 | 0702 | 4403 | 0702 | 1601 |
| 193 | 1401/54 | 1501 | | | | | | | | | | | 0301 | 2902 | 0702 | 4403 | | |
| 195 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | | | NT | NT | NT | NT | NT | NT |
| 199 | | | | | | | | | | | | | | | | | | |
| 201 | | | | | | | | | | | | | | | | | | |
| 205 | 1454 | 1501 | 30202P | 50101 | 0102P | 0104 | 0503 | 0602 | 0401 | BLANK | 0103 | BLANK | 0301 | 2902 | 0702/61 | 4403 | 0702 | 1601 |
| 206 | 14 | 15 | | | | | | | | | | | 03 | 29 | 07 | 44 | | |
| 207 | 14 | 15 | NT | NT | NT | NT | 05 | 0602/47 | 0401 | BLANK | | | 03 | 29 | 07 | 44 | 07 | 16 |
| 208 | 1401/54 | 1501 | | | | | | | | | | | 0301 | 2902 | 0702 | 4403 | | |
| 209 | NT | NT | NT | NT | | | NT | NT | NT | NT | | | NT | NT | NT | NT | NT | NT |
| 212 | | | | | | | | | | | | | | | | | | |
| 213 | 14 | 15 | | | | | 05 | 06 | | | | | 03 | 29 | 07 | 44 | 07 | 16 |
| 214 | | | | | | | | | | | | | 03 | 29 | 07 | 44 | 07 | 16 |
| 215 | NT | NT | NT | NT | | | | | | | | | NT | NT | NT | NT | NT | NT |
| 218 | 1454 | 1501 | | | | | 0503 | 0602 | | | | | 0301 | 2902 | 0702 | 4403 | 0702 | 1601 |
| 222 | 14 | 15 | 302 | 501 | | | 05 | 06 | | | | | 03 | 29 | 07 | 44 | | |
| 223 | 1454 | 1501 | NT | NT | 0102 | 0104 | 0503 | 0602 | NT | NT | NT | NT | NT | NT | 0702 | 4403 | 0702 | 1601 |
| 225 | 1401 | 1501 | 301010201 | 5010101 | | | 0503 | 0602 | | | | | 0301 | 2901 | 0702 | 4403 | 0702 | 1601 |
| 226 | 14 | 15 | 302 | 501 | 01 | 01 | 0503 | 0602 | 0401 | BLANK | 01 | BLANK | 03 | 2902/9 | 07 | 44 | 0702/50 | 1601 |
| 227 | 1454 | 1501 | NT | NT | NT | NT | 050301 | 0602 | NT | NT | NT | NT | 0301 | 290201 | 070201 | 440301 | 0702 | 1601 |
| 228 | 1454 | 1501 | 30202 | 50101 | | | 0503 | 0602 | | | | | | | | | | |
| 229 | | | | | | | | | | | | | | | | | | |
| 230 | 1454 | 1501 | 30202 | 50101 | 01 | 01 | 0503 | 0602 | 0401 | BLANK | 0103 | BLANK | 0301 | 2902 | 0702 | 4403 | 0702 | 1601 |
| 232 | 14 | 15 | | | | | 05 | 06 | | | | | 03 | 29 | 07 | 44 | 07 | 16 |
| 234 | 1454/113 | 1501/55 | | | 0102/8 | 0101/4 | 0503/6 | 0602/47 | NT | NT | | | 0301/1N | 2902/26 | 0702/44 | 4403/114 | 0702/50 | 1601 |
| 236 | | | | | | | | | | | | | | | | | | |
| 237 | 13 | 13 | | | | | 05 | 06 | | | | | 03 | 29 | 07 | 44 | | |
| 238 | | | | | | | | | | | | | 0301 | 2902 | 0702 | 4403 | 07 | 16 |
| 239 | 14 | 15 | 3 | 5 | NT | NT | 05 | 06 | NT | NT | NT | NT | 03 | 29 | 07 | 44 | 07 | 16 |
| 240 | | | | | | | 0503 | 0602 | | | | | | | | | 0702 | 1601 |
| 242 | | | | | | | | | | | | | | | | | | |
| 244 | | | | | | | | | | | | | | | | | | |
| 245 | 14 | 15 | | | 01 | 01 | 05 | 0602/47 | | | | | 03 | 2902/26 | 07 | 44 | 07 | 1601 |
| 246 | 1454 | 1501 | | | 0102 | 0101 | 0503 | 0602 | | | | | | | | | 0702 | 1601 |
| 249 | 145401 | 150101 | | | | | 050301 | 060201 | 040101 | BLANK | | | 030101 | 290201 | 070201 | 440301 | 070201 | 160101 |
| 250 | 03 | 15 | 3 | 5 | | | 05 | 06 | | | | | 03 | 29 | 07 | 44 | | |
| 251 | | | | | | | | | | | | | | | | | | |
| 252 | 14 | 15 | 3 | 5 | NT | NT | 05 | 06 | NT | NT | NT | NT | 03 | 29 | 07 | 44 | 07 | 16 |
| 255 | 14 | 15 | | | | | | | | | | | 03 | 29 | 07 | 44 | | |
| 258 | 145401 | 150101 | | | | | 050301 | 060201 | | | | | 030101 | 290201 | 070201 | 440301 | 070201 | 160101 |
| 259 | | | | | | | | | | | | | | | | | | |
| 260 | | | | | | | | | | | | | | | | | | |
| 262 | 1401 | 1501 | | | 0102 | 0104 | 0503 | 0602 | | | | | 03 | 29 | 07 | 44 | 07 | 16 |
| 263 | 1401 | 1501 | NT | NT | NT | NT | 0503 | 0602 | 0401 | BLANK | NT | NT | 0301 | 2902 | 0702 | 4403 | 0705 | 1601 |

DNA #722

| CENTER | DRB1 | | DRB3/4/5 | | DQA1 | | DQB1 | | DPB1 | | DPA1 | | A-Locus | | B-Locus | | C-Locus | |
|--------|---------|---------|----------|---------|--------|--------|---------|---------|-------------|-------|---------|-------|---------|---------|-----------|----------|-----------|---------|
| 264 | 140101G | 150101G | | | | | 050301G | 060201G | 040101G | BLANK | 010301G | BLANK | 030101G | 290201G | 070201G | 440301G | 070201G | 160101 |
| 265 | 1401/7 | 1501/2 | 30101/2 | 50101/2 | 0101/4 | 0101/4 | 0501/2 | 0601/2 | | | | | 0301/1N | 2901/1N | 0702/7 | 4402/2S | 0701/2 | 1601/2 |
| 266 | 14 | 15 | 3 | 5 | | | 05 | 06 | | | | | 03 | 29 | 07 | 44 | 07 | 16 |
| 267 | 1401 | 1501 | 30212 | 50101 | 0102 | 0101 | 0503 | 0602 | NT | NT | NT | NT | 0301 | 2901 | 0702 | 4403 | 0702 | 1601 |
| 268 | 14 | 15 | | | 01 | 01 | 05 | 06 | | | | | 03 | 29 | 07 | 44 | 07 | 16 |
| 271 | | | | | | | | | | | | | | | | | | |
| 273 | 1454 | 1501 | 30202 | 50101 | | | 0503 | 0602 | | | | | 0301 | 2902 | 0702 | 4403 | 0702 | 1601 |
| 274 | 1454 | 1501 | | | 0102 | 0104 | 0503 | 0602 | | | | | 0301 | 2902 | 0702 | 4403 | 0702 | 1601 |
| 278 | 1454 | 1501 | 30202 | 50101 | 01 | 01 | 0503 | 0602 | 0401 | BLANK | 0103 | BLANK | 0301 | 2902 | 0702 | 4403 | 0702 | 1601 |
| 401 | | | | | | | | | | | | | 0301 | 2902 | 0702/61 | 4403 | 0702 | 1601 |
| 452 | 1454 | 1501 | 30202 | 50101 | NT | NT | 0503 | 0602 | 0401 | BLANK | NT | NT | 0301 | 2902 | 0702 | 4403 | 0702 | 1601 |
| 519 | | | | | | | | | | | | | | | | | | |
| 615 | 1454 | 150101G | 3020201G | 50101 | | | 050301G | 060201G | 040101G | BLANK | | | | | | | | |
| 616 | 14 | 15 | | | | | | | | | | | 03 | 29 | 07 | 44 | 07 | 16 |
| 635 | | | | | | | | | | | | | | | | | | |
| 702 | 1454 | 1501 | 30202 | 50101 | 0102 | 0104 | 0503 | 0602 | 0401 | BLANK | | | 0301 | 2902 | 0702 | 4403 | 0702 | 1601 |
| 714 | 1454 | 1501 | NT | NT | NT | NT | 0503 | 0602 | NT | NT | NT | NT | 0301 | 2902 | 0702 | 4403 | 0702 | 1601 |
| 726 | | | | | | | | | | | | | | | | | | |
| 732 | 145401 | 1501 | 30202/28 | 5010101 | 01 | 01 | 0503/10 | 060201 | | | | | 030101 | 290201 | 0702/61 | 440301 | 0702/50 | 160101 |
| 769 | 14 | 15 | 302 | 501 | | | 05 | 06 | 0401 | BLANK | | | 03 | 29 | 07 | 44 | 07 | 16 |
| 805 | 1454 | 1501 | NT | NT | NT | NT | 0503 | 0602 | NT | NT | NT | NT | 0301 | 2902 | 0702 | 4403 | 070201G | 1601 |
| 1113 | 1401/54 | 1501 | 30202 | 50101 | 01 | 01 | 0503 | 0602 | 0401/12601 | BLANK | | | 0301 | 2902 | 0702/61 | 4403 | 0702/50 | 1601 |
| 1189 | 1454 | 1501 | 30202 | 50101 | | | 0503 | 0602 | 0401 | BLANK | | | 0301 | 2902 | 0702 | 4403 | 0702 | 1601 |
| 1212 | | | | | | | | | | | | | | | | | | |
| 1251 | | | | | | | | | | | | | | | | | | |
| 1498 | 1454 | 1501 | 3020201G | 50101 | 0102 | 0104 | 050301G | 0602 | 0401/12001N | BLANK | | | 030101G | 290201G | 070201G | 440301G | 070201G | 160101 |
| 1647 | 1454 | 1501 | | | | | 0503 | 0602 | 0401 | BLANK | | | 0301 | 2902 | 0702 | 4403 | 0702 | 1601 |
| 1686 | | | | | | | | | | | | | | | | | | |
| 1905 | 1401P | 1501 | 302 | 50101 | | | 0503 | 0602 | 0401P | BLANK | 0103 | BLANK | 0301 | 2902 | 0702 | 4403 | 0702 | 1601 |
| 2004 | 1454 | 1501 | 30202 | 50101 | 0102 | 0104 | 0503 | 0602 | | | | | 0301 | 2902 | 0702 | 4403 | 0702 | 1601 |
| 2013 | 1454 | 1501 | NT | NT | NT | NT | 0503 | 0602 | NT | NT | NT | NT | 0301 | 2902 | 0702 | 4403 | 0702 | 1601 |
| 2015 | | | | | | | | | | | | | | | | | | |
| 2063 | 145401 | 1501 | 302 | 50101 | 01 | 01 | 0503 | 060201 | | | | | 030101 | 290201 | 070201 | 440301 | 070201/50 | 160101 |
| 2347 | 14 | 15 | 3 | 5 | 01 | 01 | 05 | 06 | 0401 | BLANK | 0103 | BLANK | 03 | 29 | 07 | 44 | 07 | 16 |
| 2411 | 1401 | 1501 | | | | | 0503 | 0602 | | | | | 0301 | 2902 | 0702 | 4403 | 0702 | 1601 |
| 2518 | 14 | 15 | NT | NT | 01 | 01 | 05 | 06 | 0401 | BLANK | 0103 | BLANK | 03 | 29 | 07 | 44 | 07 | 16 |
| 2549 | 1454 | 1501 | 302 | 501 | 0102 | 0104 | 0503 | 0602 | 040101G | BLANK | NT | NT | 0301 | 2902 | 0702/61 | 4403 | 0702/39 | 1601/15 |
| 3248 | | | | | | | | | | | | | | | | | | |
| 3261 | | | | | | | | | | | | | | | | | | |
| 3264 | 1454 | 1501 | 302 | 50101 | | | 0503 | 0602 | 0401 | BLANK | | | 0301/1N | 2902 | 0702/161N | 4403/105 | 0702 | 1601 |
| 3325 | 14 | 15 | | | | | 05 | 06 | | | | | 0301 | 2902 | 0702 | 4403 | 0702 | 1601 |
| 3410 | 1454 | 1501 | | | | | 0503 | 0602 | | | | | 0301 | 2902 | 0702 | 4403 | 0702 | 1601 |
| 3438 | 1454 | 1501 | | | | | 0503 | 0602 | | | | | 03 | 29 | 07 | 44 | 07 | 16 |
| 3522 | | | | | | | | | | | | | | | | | | |
| 3582 | 1454 | 1501 | 3020201G | 50101 | | | 0503 | 0602 | 040101G | BLANK | | | 0301 | 2902 | 070201G | 4403 | 0702 | 1601 |
| 3614 | 1454 | 1501 | | | 01 | 01 | 0503 | 0602 | | | | | 0301 | 2902 | 0702 | 4403 | 0702 | 1601 |
| 3625 | 1401/54 | 15 | 3 | 5 | | | 0503 | 0602 | 0401 | BLANK | | | 03 | 29 | 0702/61 | 44 | 0702 | 16 |
| 3807 | 14 | 15 | 302 | 50101 | 01 | 0104 | 05 | 06 | 0401/12001N | BLANK | 0103/10 | BLANK | 03 | 29 | 07 | 44 | 07 | 16 |
| 3849 | 1401/54 | 1501 | 302 | 50101 | 0102 | 0104 | 0503 | 0602 | | | | | 03 | 29 | 07 | 44 | 07 | 16 |
| 4237 | 1454 | 1501 | 30202 | 50101 | | | 0503 | 0602 | | | | | 0301 | 2902 | 070201 | 440301 | 0702P | 1601 |
| 4281 | | | | | | | | | | | | | | | | | | |
| 4420 | | | | | | | | | | | | | | | | | | |
| 4545 | 140101G | 1501 | 302 | 50101 | 0102 | 0104 | 0503 | 0602 | 040101G | BLANK | | | 0301 | 2902 | 0702/61 | 4403 | 0702/50 | 1601 |
| 4551 | 1454 | 1501 | 30202 | 50101 | 01 | 01 | 0503 | 0602 | 0401 | BLANK | | | 030101G | 290201G | 0702 | 4403 | 0702 | 1601 |
| 4585 | 14 | 15 | | | 0102 | 01 | 05 | 0602 | | | | | 03 | 29 | 07 | 44 | 07 | 16 |
| 4613 | | | | | | | | | | | | | | | | | | |
| 4653 | 14 | 15 | | | 01 | 01 | 05 | 0602/47 | | | | | 03 | 29 | 07 | 44 | 07 | 16 |
| 4709 | 1454 | 1501 | | | 01 | 01 | 0503 | 0602 | 0401 | BLANK | | | 0301 | 2902 | 0702 | 4403 | 0702 | 1601 |
| 5982 | 1401/54 | 1501 | | | | | 0503 | 0602 | 0401 | BLANK | | | 0301 | 2902 | 0702 | 4403 | 0702 | 1601 |
| 6051 | 1454 | 1501 | 302 | 50101 | 01 | 01 | 0503 | 0602/47 | 0401 | BLANK | 0103 | BLANK | 03 | 29 | 07 | 44 | 07 | 16 |
| 6313 | 14 | 15 | | | | | 0503 | 0602 | | | | | 03 | 29 | 07 | 44 | 07 | 16 |
| 9221 | 14 | 15 | 3 | 5 | 01 | 01 | 05 | 06 | | | | | 03 | 29 | 07 | 44 | 07 | 16 |
| 197H | 1401P | 1501 | | | | | 0503 | 0602 | 0401 | BLANK | | | 0301 | 2902 | 0702 | 4403 | 0702P | 1601 |
| 197L | 14 | 15 | 302 | 50101 | 01 | 01 | 05 | 06 | | | 0103 | BLANK | 03 | 29 | 07 | 44 | 07 | 16 |
| 4582H | 1454 | 1501 | 30202 | 50101 | 0102 | 0101 | 0503 | 0602 | 0401 | BLANK | 0103 | BLANK | 0301 | 2902 | 0702 | 4403 | 0702 | 1601 |
| 4582L | 14 | 15 | 302 | 501 | 01 | 01 | 05 | 06 | 04 | BLANK | 01 | BLANK | 03 | 29 | 07 | 44 | 07 | 16 |

PARTICIPANTS AND METHODS

| CENTER | DRB1 | DRB3/4/5 | DQA1 | DQB1 | DPB1 | DPA1 | A-Locus | B-Locus | C-Locus |
|--------|-----------------|------------------|------------------|------------------|------------------|------------------|-----------------|-----------------|-----------------|
| 7 | SSO | SSO | SSO | SSO | | | SSO | SSO | SSO |
| 16 | SBT-At,SSO-OL | SSO-OL,SSP-Invit | SSO-OL | SSO-OL | SBT-At,SSO-OL | SSO-OL | SBT-At,SSO-OL | SBT-At,SSO-OL | SBT-At,SSO-OL |
| 80 | SSO-OL | SSO-OL | SSO-OL | SSO-OL | SSO-OL | SSO-OL | SSO-OL | SSO-OL | SSO-OL |
| 124 | SBT-Inh | SBT-Inh | SSO-Lum | SBT-Inh | SBT-Inh | | SBT-Inh | SBT-Inh | SBT-Inh |
| 134 | SSP-Geno | SSP-Geno | | SSP-Geno | SSP-Geno | | SBT-At,SSP-Geno | SBT-At,SSP-Geno | SBT-At,SSP-Geno |
| 138 | SBT,SSO,SSP | SSO-Oli | SSO-Oli | SSO-Oli | SSO-Oli | | SBT,SSO,SSP | SBT,SSO,SSP | SBT,SSO,SSP |
| 139 | SSO-Lum | | | SSO-Lum | | | SSO-Lum | SSO-Lum | SSO-Lum |
| 142 | SSO-Oli | SSO-Oli | | SSO-Oli | | | SSO-Oli | SSO-Oli | |
| 143 | SBT-Invit | | | SBT-Invit | | | SBT-Invit | SBT-Invit | SBT-Invit |
| 144 | SBT-Pro | | SSO-Lab | SBT-Pro | | | SBT-Pro | SBT-Pro | SBT-Pro |
| 147 | SSO,SSP | SSO,SSP | SSO,SSP | SSO,SSP | SSO,SSP | | SSO,SSP | SSO,SSP | SSO,SSP |
| 148 | SBT-At,SSP-Biof | SBT-Qia | | SBT-Pro | SBT-At | | SBT-At,SSP-Biof | SBT-At,SSP-Biof | SBT-At |
| 151 | SBT-Sec | | | | | | SBT-Sec | SBT-Sec | |
| 152 | SSP-OL | | | | | | SSP-OL | SSP-OL | |
| 155 | | | | | | | | | |
| 156 | SBT,SSO,SSP | | | SBT,SSO,SSP | | | SBT,SSO,SSP | SBT,SSO,SSP | SBT,SSO,SSP |
| 158 | SSO-OL | SSP-Invit | SSO-OL | SSP-OL | SSP-Invit | | SSP-Bio,Ole | SSP-Bio,Ole | SSP-Bio,Ole |
| 160 | SBT,SSO,SSP | SSP-Invit | | SBT-Ab,SSP-Invit | | | SBT-Ab,SSP-Ole | SBT-Ab,SSP-Ole | SBT-Ab,SSP-Ole |
| 162 | SBT,SSP-Bios | | | SBT,SSP-Bios | | | SBT,SSP-Bios | SBT,SSP-Bios | SBT,SSP-Bios |
| 164 | LIPA | | | | | | LIPA | LIPA | |
| 168 | SSO-Wak | | | | | | SSO-Wak | SSO-Wak | |
| 173 | SBT-At,SSO-Lum | | SSO-Lum,Dy | SSO-Lum,Dy | | | SSO-Lum | | |
| 174 | SSO | | | SSO | | | SSO | | SSO |
| 175 | SBT,SSO | | | SSO,SSP | | | SSO,SSP-Invit | SSO,SSP | SSO,SSP |
| 176 | | | | | | | | | |
| 185 | SBT-Inh | | | SBT-Inh | | | SBT-Inh | SBT-Inh | SBT-Inh |
| 186 | | | | | | | | | |
| 187 | SBT-At,SSO-Lab | | | SBT-At | | | SBT-At,SSO-Lab | SBT-At,SSO-Lab | SBT-At,SSO-Lab |
| 188 | SBT-At,SSO-OL | | | | | | | | |
| 189 | SSO-Oli,SSP-Ole | SSO-Oli | SSO-Oli | SSO-Oli | SSO-Oli,SSP-Life | SSO-Oli,SSP-Life | SBT,SSO,SSP | SBT,SSO,SSP | SBT,SSO,SSP |
| 190 | SSO-Life | SSO-Life | | SSO-Life | | | SSO-Life | SSO-Life | SSO-Life |
| 192 | SBT,SSP | SSP | | SBT,SSP | SBT,SSP | | SBT,SSP | SBT,SSP | SBT,SSP |
| 193 | SSO-OL | | | | | | SSO-OL | SSO-OL | |
| 195 | SSO,SSP | SSP-Ole | SSP-Ole | SSO,SSP | SSP-Ole | | SSO,SSP | SSO,SSP | SSO,SSP |
| 199 | | | | | | | | | |
| 201 | | | | | | | | | |
| 205 | SBT,SSO,SSP | SSO-OL,SSP-Invit | SSO-OL,SSP-Invit | SBT,SSO,SSP | SBT,SSO,SSP | SSO-OL,SSP-Invit | SBT,SSO,SSP | SBT,SSO,SSP | SBT,SSO,SSP |
| 206 | SSO-OL | | | | | | SSO-OL | SSO-OL | |
| 207 | SBT,SSO,SSP | SBT,SSO,SSP | SSO | SBT,SSO,SSP | SSO,SSP | | SBT,SSO,SSP | SBT,SSO,SSP | SBT,SSO,SSP |
| 208 | SBT-Sec | | | | | | SBT-Sec | SBT-Sec | |
| 209 | SSO,SSP-OL | SSP-Ole | | SSP-Ole,Bior | SSP-Ole | | SSO,SSP | SSO,SSP | SSP-Ole,Bior |
| 212 | | | | | | | | | |
| 213 | SSO-OL | | | SSO-OL | | | SSO-OL | SSO-OL | SSO-OL |
| 214 | | | | | | | SBT | SBT | |
| 215 | SSP-Biot | SSP-Biot | | | | | SSP-Biot | SSP-Biot | SSP-Biot |
| 218 | SBT,SSP | | | SBT,SSP | | | SBT,SSP | SBT,SSP | SBT,SSP |
| 222 | SSP-Invit | SSP-Invit | | SSP-Invit | | | SSP-Invit | SSP-Invit | |
| 223 | SSO,SSP | | SBT,SSO | SBT,SSO | | | SSP-Invit | SBT,SSO,SSP | SBT,SSO |
| 225 | SSP-Invit | SSP-Invit | | SSP-Invit | | | SSP-Invit | SSP-Invit | SSP-Invit |
| 226 | SBT,SSO-Lab | SSO-Lab | SSO-Lab | SBT,SSO-Lab | SBT,SSO-Lab | SSO-Lab | SBT,SSO-Lab | SBT,SSO-Lab | SBT,SSO-Lab |
| 227 | SBT-Ab,SSO-OL | | | SBT-Ab,SSO-OL | | | SBT-Ab,SSO-OL | SBT-Ab,SSO-OL | SBT-Ab,SSO-OL |
| 228 | SSP-Dy | SSP-Dy | | SSP-Bag | | | | | |
| 229 | | | | | | | | | |
| 230 | SSO-Life | SSO-OL | SSP-Ole | | | | SBT-Life | SSO-OL | SSP-Ole |
| 232 | SSO-Lum | | | SSO-Lum | | | SSO-Lum | SSO-Lum | SSO-Lum |
| 234 | | | | | | | | | |
| 236 | | | | | | | | | |
| 237 | SSP-Uni | SSP-Uni | SSP-Uni | SSP-Uni | SSP-Uni | | SSP-Uni | SSP-Uni | SSP-Uni |
| 238 | | | | | | | SBT,SSP | SBT,SSP | SBT,SSP |
| 239 | SSP-OL | SSP-OL | SSP-OL | SSP-OL | SSP-OL | SSP-OL | SSP-OL | SSP-OL | SSP-OL |
| 240 | | | | SSP,SSO-OL | | | | | SSP,SSO-OL |
| 242 | | | | | | | | | |
| 244 | | | | | | | | | |
| 245 | SSO-OL | | SSO-OL | SSO-OL | | | SSO-OL | SSO-OL | SSO-OL |
| 246 | SSO-OL,SSP | | SSO-OL | SSO-OL | | | | | SSO-OL |
| 249 | SBT-Biow | | | SBT-Biow | SBT-Biow | | SBT-Biow | SBT-Biow | SBT-Biow |
| 250 | SSP-Invit | SSP-Invit | | SSP-Invit | | | SSP-Invit | SSP-Invit | |
| 251 | | | | | | | | | |
| 252 | SSP-Invit,Uni | SSP-Invit,Uni | | SSP-Invit,Uni | | | SSP-Invit,Uni | SSP-Invit,Uni | SSP-Invit,Uni |
| 255 | SSO-Inno | | | | | | SSO-Inno | SSO-Inno | |
| 258 | SBT,SSP | | | SBT,SSP | | | SBT,SSP | SBT,SSP | SBT,SSP |
| 259 | | | | | | | | | |
| 260 | | | | | | | | | |
| 262 | SSP | | SSP-Pro | SSP-Pro | | | SSO-EI,SSP-Pro | SSO-EI,SSP-Pro | SSP-Pro |
| 263 | SSO-Lum,Gen | | | SSO-Lum,Gen | SSO-Lum,Gen | | SSO-Lum,Gen | SSO-Lum,Gen | SSO-Lum,Gen |

PARTICIPANTS AND METHODS

| CENTER | DRB1 | DRB3/4/5 | DQA1 | DQB1 | DPB1 | DPA1 | A-Locus | B-Locus | C-Locus |
|--------|------------------|-------------------|-------------------|------------------|------------------|----------|-----------------|-----------------|-------------------|
| 264 | SBT | | | SBT | SBT | SBT | SBT | SBT | SBT |
| 265 | SSP-OL | SSP-OL | SSO-OL | SSP-OL | | | SSP-OL | SSP-OL | SSP-OL |
| 266 | SSP-OL | SSP-OL | | SSP-OL | | | SSP-OL | SSP-OL | SSP-OL |
| 267 | SSO-OL | SSO-OL | SSO-OL | SSO-OL | | | SSO-OL | SSO-OL | SSO-OL |
| 268 | SSO | | SSO | SSO | | | SSO | SSO | SSO |
| 271 | SSO-Bag,SSP-Ole | SSO-Bag,SSP-Ole | | SSO-Bag,SSP-Ole | | | SSO-Bag,SSP-Ole | SSO-Bag,SSP-Ole | SSO-Bag,SSP-Ole |
| 274 | SSO-OL,SSP-Pro | | SSO-OL,SSP-Pro | SSO-OL,SSP-Pro | | | SSO-OL,SSP-Pro | SSO-OL,SSP-Pro | SSO-OL,SSP-Pro |
| 278 | SSO,SSP | SSO,SSP | SSO | SSO,SSP | SSO | SSO | SSO,SSP | SSO,SSP | SSO,SSP |
| 401 | | | | | | | SBT-Inh | SBT-Cel | SBT-Inh |
| 452 | SBT,SSO,SSP | SSP-Ole,Invit | | SBT,SSO,SSP | SBT,SSO,SSP | | SBT,SSO,SSP | SBT,SSO,SSP | SBT,SSO,SSP |
| 519 | | | | | | | | | |
| 615 | SBT | SBT | | SBT | SBT | | | | |
| 616 | SSP | | | | | | SSP | SSP | SSP |
| 635 | | | | | | | | | |
| 702 | SBT,SSO | SSP | SBT,SSO | SBT,SSO | SBT,SSP | | SBT,SSO | SBT,SSO | SBT,SSO |
| 714 | SBT-Cel,SSO-OL | | | SBT-Life,SSO-OL | | | SBT-Life,SSO-OL | SBT-Life,SSO-OL | SBT-Cel,SSO-OL |
| 726 | | | | | | | | | |
| 732 | SBT-Inh,SSO-Lab | SBT-Inh,SSO-Lab | SBT-Inh,SSO-Lab | SBT-Inh,SSO-Lab | | | SBT-Inh,SSO-Lab | SBT-Inh,SSO-Lab | SBT-Inh,SSO-Lab |
| 769 | | SSO,SSP | | SSO | SBT,SSO,SSP | | SSO | SSO | SBT,SSO |
| 805 | SBT,SSO,SSP | | | SBT-Cel,SSO-Gen | | | SBT-Cel,SSO-Gen | SBT-Cel,SSO-Gen | SBT-Cel,SSO-Gen |
| 1113 | SBT,SSO,SSP | SSP-Ole | SSO-OL | SBT-At,SSO-OL | SBT-At,SSO-OL | | SBT,SSO,SSP | SBT,SSO,SSP | SBT,SSO,SSP |
| 1189 | | SSP-Life | | SBT-Sec | SBT-Sec | | SBT-Sec | SBT-Sec | SBT-Sec,SSP-Life |
| 1212 | SSO-OL,SSP-Ole | SSP-Invit | | SSO,SSP-OL | SSP-Invit | | SSO-OL,SSP-Ole | SSO-OL,SSP-Ole | SSO-OL,SSP-Ole |
| 1251 | SSO-Lab,SSP | SSP | SSO-Lab,SSP | SSO-Lab,SSP | SSP | | SSO-Lab,SSP | SSO-Lab,SSP | SSO-Lab,SSP |
| 1498 | SBT-Con | SSP-Invit | SSP-Invit | SSP-Invit | SSP-Invit | | SBT | SBT | SBT |
| 1647 | | | | | | | | | |
| 1686 | | | | | | | | | |
| 1905 | SBT,SSO,SSP | SSO-OL,SSP-Invit | | SBT,SSO,SSP | SBT-Ab,SSO-OL | SSO-OL | SBT,SSO,SSP | SBT,SSO,SSP | SBT,SSO,SSP |
| 2004 | SSO-OL,SSP-Invit | SSO-OL,SSP-Invit | SSO-OL,SSP | SSO-OL,SSP | | | SSO-OL,SSP | SSO-OL,SSP | SSO-OL,SSP-Ole |
| 2013 | SBT-Qia,SSO-Gen | | | SBT-Qia,SSO-Gen | | | SBT-Qia,SSO-Gen | SBT,SSO,SSP | SBT-Qia,SSO-Gen |
| 2015 | | | | | | | | | |
| 2063 | SBT,SSO,SSP | SSO | SSO | SBT,SSO | | | SBT,SSO | SBT,SSO | SBT,SSO |
| 2347 | SBT,SSO,SSP | SSO,SSP | SSO | SBT,SSO,SSP | SSO,SSP | SSO | SBT,SSO,SSP | SBT,SSO,SSP | SBT,SSO,SSP |
| 2411 | SBT,SSO,SSP | | | SBT,SSO,SSP | | | SBT,SSO,SSP | SBT,SSO,SSP | SBT-Invit,SSO-Oli |
| 2518 | SSO-OL | SSP-OL | SSO-OL | SSO-OL | SSO-OL | SSO-OL | SSO-OL | SSO-OL | SSO-OL |
| 2549 | SBT,SSO,SSP | SSO-OL | SSO-OL,SSP-Invit | SSO-OL,SSP-Invit | SSO-OL,SSP-Invit | | SBT,SSO,SSP | SBT,SSO,SSP | SBT-At,SSP-Invit |
| 3248 | | | | | | | | | |
| 3261 | | | | | | | | | |
| 3264 | SBT,SSO,SSP | SSP-Ole | SSO-Ing | SBT,SSO,SSP | SBT-At,SSP-Ole | | SBT | SBT | SBT |
| 3325 | SSP-Invit | | | SSP-Invit | | | SSP-Invit | SSP-Invit | SSP-Invit |
| 3410 | SBT,SSO,SSP | | | SBT,SSO,SSP | | | SBT,SSO,SSP | SBT,SSO,SSP | SBT,SSO,SSP |
| 3438 | SBT-Inh,SSO-OL | | | SBT-Inh,SSO-OL | | | SBT-Pro,SSO-OL | SBT-Pro,SSO-OL | SBT-Pro,SSO-OL |
| 3522 | | | | | | | | | |
| 3582 | | | SSO-Gen | | | | SBT-Con,SSO-OL | | |
| 3614 | SSO,SSP-OL | | SSO-OL | SSO-OL | | | SSO,SSP-OL | SSO,SSP-OL | SSO,SSP-OL |
| 3625 | | | | | | | | | |
| 3807 | SSP-Life | SSP-Life | SSP-Life | SSP-Life | SSP-Life | SSP-Life | SSP-Life | SSP-Life | SSP-Life |
| 3849 | SBT-At,SSO-Inh | SSO-Inh,SSP-Life | SSO-OL,SSP-Life | SBT-At,SSO-Inh | | | SSO-Inh | SSO-Inh | SSO-Inh |
| 4237 | SBT-TBG,SSP-Ole | SSP-Ole | | SSP-Ole | | | SBT-Rose | SBT-Rose | Bead,SBT,SSP |
| 4281 | | | | | | | | | |
| 4420 | | | | | | | | | |
| 4545 | SBT-Cel,SSO-Oli | SSO-Oli,SSP-Invit | SSO-Oli,SSP-Invit | SBT-Cel,SSO-Oli | SBT-Cel,SSO-Oli | | SBT-Cel,SSO-Oli | SBT-Cel,SSO-Oli | SBT-Cel,SSO-Oli |
| 4551 | SSP-OL,Ole | | SSP-OL | SSP-OL,Ole | SSP-Ole | | SBT,SSP | SBT,SSP | SBT,SSP |
| 4585 | SSO-Lab | | SSO-Lab | SSO-Lab | | | SSO-Lab | SSO-Lab,SSP-Inh | SSO-Lab |
| 4613 | | | | | | | | | |
| 4653 | SSO-OL | | SSO-OL | SSO-OL | | | SSO-OL | SSO-OL | SSO-OL |
| 4709 | SBT,SSO,SSP | SSP-OL | SSO,SSP | SBT,SSO,SSP | SBT,SSO,SSP | | SBT,SSO,SSP | SBT,SSO,SSP | SBT,SSO,SSP |
| 5982 | SBT | | | SBT | SBT | | SBT | SBT | SBT |
| 6051 | SSO-Lab | SSO-Lab | SSO-Lab | SSO-Lab | SSO-Lab | SSO-Lab | SSO-Lab | SSO-Lab | SSO-Lab |
| 6313 | SBT-At,SSO-Inno | | | SBT-At,SSO-Inno | | | SBT,SSO | SBT,SSO | SBT,SSO |
| 9221 | SSP-OL,Invit | SSP-OL,Invit | SSO-OL | SSP-OL,Invit | SSP-Invit | | SSP-OL,Invit | SSP-OL,Invit | SSP-OL,Invit |
| 197H | SBT-At | | | SBT-At | SBT-At,SSO-OL | | SBT-At | SBT-At | SBT-At |
| 197L | SSO-OL | SSO-OL | SSO-OL,SSP-Invit | SSO-OL | | | SSO-OL | SSO-OL | SSO-OL |
| 4582H | SSO,SSP | SSO-OL,SSP-Invit | SSO-OL,SSP-Invit | SSO-OL,SSP-Invit | SSO,SSP | SSO,SSP | SSO,SSP | SSO,SSP | SSO,SSP |
| 4582L | SSO,SSP | SSO-OL,SSP-Invit | SSO-OL,SSP-Invit | SSO-OL,SSP-Invit | SSO,SSP | SSO,SSP | SSO,SSP | SSO,SSP | SSO,SSP |