

| INTERPRETATION TABLE                                                                                                                                                                                  |                  |                   |             |             |             |             |             |             |             |             |             |             |             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| DR low resolution SSP typing                                                                                                                                                                          |                  |                   |             |             |             |             |             |             |             |             |             |             |             |
| Amplification patterns of the DRB1*01:01 to DRB1*10:03 alleles                                                                                                                                        |                  |                   |             |             |             |             |             |             |             |             |             |             |             |
|                                                                                                                                                                                                       |                  | Well <sup>6</sup> |             |             |             |             |             |             |             |             |             |             |             |
|                                                                                                                                                                                                       |                  | 73                | 74          | 75          | 76          | 77          | 78          | 79          | 80          | 81          | 82          | 83          | 84          |
| Length of spec.                                                                                                                                                                                       |                  | 205               | 200         | 200         | 210         | 120         | 80          | 85          | 100         | 210         | 170         | 90          | 205         |
| PCR product(s)                                                                                                                                                                                        |                  | 255               |             | 215         |             | 220         | 210         | 210         | 175         | 235         | 215         | 135         |             |
|                                                                                                                                                                                                       |                  |                   |             |             |             |             |             |             |             |             | 250         | 180         |             |
| Length of int.                                                                                                                                                                                        |                  | 515               | 430         | 430         | 430         | 430         | 430         | 430         | 430         | 430         | 515         | 430         | 430         |
| pos. control <sup>1</sup>                                                                                                                                                                             |                  |                   |             |             |             |             |             |             |             |             |             |             |             |
| 5'-primer(s) <sup>2</sup>                                                                                                                                                                             |                  | 13<br>(124)       | 14<br>(129) | 13<br>(126) | 13<br>(126) | 13<br>(125) | 13<br>(125) | 13<br>(125) | 13<br>(125) | 14<br>(127) | 16<br>(133) | 26<br>(165) | 31<br>(178) |
|                                                                                                                                                                                                       |                  | 5'-A.T 3'         | 5'-gAA 3'   | 5'-Agg 3'   | 5'-Agg 3'   | 5'-gTC 3'   | 5'-gTC 3'   | 5'-gTC 3'   | 5'-ACA 3'   | 5'-ATA 3'   | 5'-gTT 3'   | 5'-TAT 3'   | 5'-gCg 3'   |
|                                                                                                                                                                                                       |                  | 14<br>(129)       |             | 13<br>(126) | 13<br>(126) | 47<br>(227) | 16<br>(133) |             | 13<br>(125) | 14<br>(127) | 16<br>(133) | 58<br>(261) |             |
|                                                                                                                                                                                                       |                  | 5'-gAA 3'         |             | 5'-AAg 3'   | 5'-AAg 3'   | 5'-gTT 3'   | 5'-gTT 3'   |             | 5'-ACC 3'   | 5'-ATA 3'   | 5'-gTT 3'   | 5'-gAg 3'   |             |
|                                                                                                                                                                                                       |                  |                   |             |             |             |             |             |             | 13<br>(125) | 16<br>(133) |             |             |             |
|                                                                                                                                                                                                       |                  |                   |             |             |             |             |             |             | 5'-ATA 3'   | 5'-gTT 3'   |             |             |             |
|                                                                                                                                                                                                       |                  |                   |             |             |             |             |             |             | 13<br>(125) |             |             |             |             |
|                                                                                                                                                                                                       |                  |                   |             |             |             |             |             |             | 5'-gTC 3'   |             |             |             |             |
|                                                                                                                                                                                                       |                  |                   |             |             |             |             |             |             |             |             |             |             |             |
|                                                                                                                                                                                                       |                  |                   |             |             |             |             |             |             |             |             |             |             |             |
| 3'-primer(s) <sup>3</sup>                                                                                                                                                                             |                  | 67<br>(286)       | 67<br>(286) | 67<br>(286) | 67<br>(286) | 73<br>(305) | 26<br>(164) | 28<br>(171) | 33<br>(184) | 71<br>(298) | 58<br>(260) | 57<br>(257) | 86<br>(344) |
|                                                                                                                                                                                                       |                  | 5'-gAg 3'         | 5'-gAT 3'   | 5'-gAT 3'   | 5'-gAA 3'   | 5'-ggC 3'   | 5'-ggT 3'   | 5'-CTC 3'   | 5'-gTg 3'   | 5'-CTC 3'   | 5'-CCT 3'   | 5'-CgA 3'   | 5'-CAC 3'   |
|                                                                                                                                                                                                       |                  | 67<br>(286)       |             | 70<br>(295) | 67<br>(286) | 73<br>(305) | 71<br>(299) | 70<br>(295) | 58<br>(260) | 73<br>(305) | 74<br>(307) | 73<br>(305) | 86<br>(344) |
|                                                                                                                                                                                                       |                  | 5'-gAg 3'         |             | 5'-CTg 3'   | 5'-gAg 3'   | 5'-ggC 3'   | 5'-gCT 3'   | 5'-CTg 3'   | 5'-Cgg 3'   | 5'-ggC 3'   | 5'-CAg 3'   | 5'-ggC 3'   | 5'-CCA 3'   |
|                                                                                                                                                                                                       |                  | 67<br>(286)       |             | 70<br>(295) | 70<br>(297) | 74<br>(308) |             |             |             | 77<br>(317) | 86<br>(344) | 78<br>(319) |             |
|                                                                                                                                                                                                       |                  | 5'-gAT 3'         |             | 5'-Tg 3'    | 5'-CTg 3'   | 5'-CCC 3'   |             |             |             | 5'-AAT 3'   | 5'-CAC 3'   | 5'-CAC 3'   |             |
|                                                                                                                                                                                                       |                  | 71<br>(299)       |             | 71<br>(298) | 72<br>(301) |             |             |             |             | 78<br>(319) |             |             |             |
|                                                                                                                                                                                                       |                  | 5'-gCg 3'         |             | 5'-CgC 3'   | 5'-ggC 3'   |             |             |             |             | 5'-CAC 3'   |             |             |             |
|                                                                                                                                                                                                       |                  | 86<br>(344)       |             | 71<br>(299) |             |             |             |             |             |             |             |             |             |
|                                                                                                                                                                                                       |                  | 5'-CCA 3'         |             | 5'-gCT 3'   |             |             |             |             |             |             |             |             |             |
|                                                                                                                                                                                                       |                  |                   |             | 73<br>(305) |             |             |             |             |             |             |             |             |             |
|                                                                                                                                                                                                       |                  |                   |             | 5'-ggC 3'   |             |             |             |             |             |             |             |             |             |
| Well No.                                                                                                                                                                                              | DR               | 73                | 74          | 75          | 76          | 77          | 78          | 79          | 80          | 81          | 82          | 83          | 84          |
| DRB1 allele <sup>4</sup>                                                                                                                                                                              | ser <sup>5</sup> |                   |             |             |             |             |             |             |             |             |             |             |             |
| *01:01:01-01:02:05, 01:04-01:37                                                                                                                                                                       | DR1, Null, –     | 73                |             |             |             |             |             |             |             |             |             |             |             |
| *01:03                                                                                                                                                                                                | DR103, DR1       |                   | 74          |             |             |             |             |             |             |             |             |             |             |
| *03:01:01-01:03:01:14, 03:04:01-03:06, 03:09, 03:11:01-03:16, 03:18-03:20, 03:22-03:23, 03:25-03:26, 03:28, 03:30-03:31, 03:33-03:34, 03:36-03:37, 03:43-03:45, 03:47-03:48, 03:50-03:52, 03:54-03:63 | DR3, DR17, –     |                   |             |             |             | 77          | 78          |             |             |             |             |             |             |
| *03:02:01-03:03, 03:27, 03:29, 03:38, 03:53                                                                                                                                                           | DR3, DR18, –     |                   |             |             |             | 77          |             | 79          |             |             |             |             |             |
| Well No.                                                                                                                                                                                              | DR               | 73                | 74          | 75          | 76          | 77          | 78          | 79          | 80          | 81          | 82          | 83          | 84          |
| Well No.                                                                                                                                                                                              | DR               | 73                | 74          | 75          | 76          | 77          | 78          | 79          | 80          | 81          | 82          | 83          | 84          |

| DRB1 allele <sup>4</sup>                                                                                                             | ser <sup>5</sup>        |    |    |    |    |    |    |    |    |    |    |    |    |
|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----|----|----|----|----|----|----|----|----|----|----|----|
| *03:07, 03:17, 03:21,<br>03:24, 03:32, 03:35, 03:39-<br>03:41, 03:49                                                                 | DR3, –                  |    |    |    |    | 77 |    |    |    |    |    |    |    |
| *03:08, 03:65                                                                                                                        | DR3, –                  |    |    |    |    | 77 | 78 |    |    |    |    | 83 |    |
| *03:10                                                                                                                               | DR3                     |    |    |    |    | 77 | 78 |    |    |    |    |    |    |
| *03:42                                                                                                                               | –                       |    |    |    |    | 77 |    |    |    |    |    |    |    |
| *03:46, 03:64                                                                                                                        | –                       |    |    |    |    | 77 | 78 |    |    |    |    |    |    |
| *04:01:01-04:61, 04:63-<br>04:68, 04:70-04:72:02,<br>04:74-04:102                                                                    | DR3,<br>DR4,<br>Null, – |    |    |    |    |    |    |    | 80 |    |    |    |    |
| *04:62, 04:69, 04:73                                                                                                                 | DR4, –                  |    |    |    |    |    |    |    | 80 |    |    |    |    |
| *07:01:01-07:01:04,<br>07:03-07:21                                                                                                   | DR7,<br>Null, –         |    |    |    |    |    |    |    |    | 81 |    |    |    |
| *08:01:01-08:02:04,<br>08:04:01-08:07, 08:11,<br>08:16-08:17, 08:22, 08:24,<br>08:26, 08:28, 08:39, 08:42-<br>08:44                  | DR8, –                  |    |    |    |    |    |    |    |    |    | 82 |    |    |
| *08:03:02, 08:10, 08:12-<br>08:15, 08:18-08:19, 08:23,<br>08:25, 08:27, 08:29-<br>08:30:03, 08:33-08:34,<br>08:36-08:38, 08:45-08:48 | DR8, –                  |    |    |    |    |    |    |    |    |    | 82 |    |    |
| *08:08                                                                                                                               | DR8                     |    |    |    |    |    |    |    |    |    | 82 |    |    |
| *08:09, 14:15 <sup>7</sup>                                                                                                           | DR8                     |    |    |    |    |    |    |    |    |    | 82 |    |    |
| *08:20, 13:18, 13:47,<br>13:55 <sup>8</sup>                                                                                          | DR13, –                 |    |    |    |    |    |    |    |    |    |    |    |    |
| *08:21                                                                                                                               | DR8                     |    |    |    |    |    |    |    |    |    | 82 |    |    |
| *08:31, 08:41, 11:67 <sup>9</sup>                                                                                                    | DR8,<br>DR11, –         |    |    |    |    |    |    |    |    |    | 82 |    |    |
| *08:32                                                                                                                               | –                       |    |    |    |    |    |    |    |    |    | 82 |    |    |
| *08:35                                                                                                                               | –                       |    |    |    |    |    |    |    |    |    | 82 |    |    |
| *08:40                                                                                                                               | –                       |    |    |    |    |    | 78 |    |    |    | 82 |    |    |
| *09:01:02-09:01:05,<br>09:01:07-09:02:02, 09:04-<br>09:16                                                                            | DR9, –                  |    |    |    |    |    |    |    |    |    |    | 83 |    |
| *09:01:06, 09:03                                                                                                                     | DR9                     |    |    |    |    |    |    |    |    |    |    | 83 |    |
| *10:01:01-10:03                                                                                                                      | DR10, –                 |    |    |    |    |    |    |    |    |    |    |    | 84 |
| Well No.                                                                                                                             | DR                      | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 |

| Well No.                                                                                                                                                                                                                                                                                                                                                                                                                                                      | DR               | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----|----|----|----|----|----|----|----|----|----|----|----|
| DRB1 allele <sup>4</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                      | ser <sup>5</sup> |    |    |    |    |    |    |    |    |    |    |    |    |
| *11:01:01-11:01:15,<br>11:04:01-11:04:08,<br>11:06:01-11:06:02, 11:09-<br>11:10:02, 11:12:01-<br>11:12:02, 11:15, 11:24,<br>11:27:01-11:30, 11:32-<br>11:33, 11:35, 11:37-11:39,<br>11:43-11:44, 11:46:01-<br>11:47, 11:49:01-11:51,<br>11:54:01-11:54:02, 11:56,<br>11:58:01-11:58:02, 11:60-<br>11:62, 11:66, 11:72,<br>11:74:01-11:75, 11:77-<br>11:78, 11:81, 11:84, 11:88,<br>11:90-11:92, 11:94-11:95,<br>11:97, 11:99-11:102,<br>11:106, 11:108-11:113 | DR11, –          |    |    |    |    |    |    |    |    |    |    |    |    |
| *11:02:01-11:03, 11:11:01-<br>11:11:02, 11:14:01-<br>11:14:02, 11:16, 11:20-<br>11:21, 11:36, 11:40-11:41,<br>11:48, 11:59, 11:63,<br>11:65:01-11:65:02, 11:68,<br>11:70, 11:76, 11:80, 11:83,<br>11:85-11:87, 11:93                                                                                                                                                                                                                                          | DR11,<br>DR13, – |    |    |    |    |    | 78 |    |    |    |    |    |    |
| *11:05                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DR11             |    |    |    |    |    |    |    |    |    |    |    |    |
| *11:07, 11:53, 11:103,<br>11:105, 11:107                                                                                                                                                                                                                                                                                                                                                                                                                      | DR11, –          |    |    |    |    | 77 |    |    |    |    |    | 83 |    |
| *11:08:01-11:08:02, 11:18-<br>11:19:03, 11:42, 11:57                                                                                                                                                                                                                                                                                                                                                                                                          | DR11, –          |    |    |    |    |    |    |    |    |    |    |    |    |
| *11:13:01-11:13:02                                                                                                                                                                                                                                                                                                                                                                                                                                            | DR11             |    |    |    |    |    |    | w  |    |    |    |    |    |
| *11:17, 11:52                                                                                                                                                                                                                                                                                                                                                                                                                                                 | DR11,<br>DR14    |    |    |    |    |    |    |    |    |    |    |    |    |
| *11:22, 11:98, 11:104                                                                                                                                                                                                                                                                                                                                                                                                                                         | –                |    |    |    |    |    |    |    |    |    |    |    |    |
| *11:23, 11:25, 11:96                                                                                                                                                                                                                                                                                                                                                                                                                                          | DR11, –          |    |    |    |    |    |    |    |    |    |    |    |    |
| *11:26, 11:34                                                                                                                                                                                                                                                                                                                                                                                                                                                 | DR11             |    |    |    |    |    |    | 79 |    |    |    |    |    |
| *11:31, 11:45, 11:64                                                                                                                                                                                                                                                                                                                                                                                                                                          | DR11, –          |    |    |    |    |    |    |    |    |    |    |    |    |
| *11:55                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DR11             |    |    |    |    |    |    |    |    |    |    |    |    |
| *11:69, 11:82                                                                                                                                                                                                                                                                                                                                                                                                                                                 | –                |    |    |    |    |    |    |    |    |    |    |    |    |
| *11:73, 11:79                                                                                                                                                                                                                                                                                                                                                                                                                                                 | –                |    |    |    |    |    | 78 |    |    |    |    |    |    |
| *11:89                                                                                                                                                                                                                                                                                                                                                                                                                                                        | –                |    |    |    |    |    |    |    |    |    |    |    |    |
| *12:01:01-12:01:04,<br>12:03:02, 12:05-12:12,<br>12:14, 12:17, 12:24N-<br>12:25, 12:28-12:30, 12:34                                                                                                                                                                                                                                                                                                                                                           | DR12,<br>Null, – |    |    |    |    |    |    |    |    |    |    |    |    |
| *12:02:01-12:02:05, 12:13,<br>12:15, 12:18-12:21, 12:23,<br>12:26-12:27, 12:31N-12:33                                                                                                                                                                                                                                                                                                                                                                         | DR12,<br>Null, – |    |    |    |    |    |    |    |    |    |    |    |    |
| *12:04                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DR12             |    |    |    |    |    |    |    |    |    | 82 |    |    |
| *12:16                                                                                                                                                                                                                                                                                                                                                                                                                                                        | –                |    |    |    |    |    |    |    |    |    | 82 |    |    |
| *12:22                                                                                                                                                                                                                                                                                                                                                                                                                                                        | –                |    |    |    |    |    |    |    |    | 81 | 82 |    |    |
| Well No.                                                                                                                                                                                                                                                                                                                                                                                                                                                      | DR               | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 |

[illegible]

|                                                                                                                                                                                                                                          |                           |    |    |    |    |    |    |    |    |    |    |    |    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|----|----|----|----|----|----|----|----|----|----|----|----|
| *14:01:01-14:01:02, 14:04, 14:07:01-14:07:02, 14:10, 14:26, 14:28, 14:31, 14:35, 14:38-14:39, 14:54-14:55, 14:57, 14:60-14:62, 14:70-14:71, 14:75-14:76, 14:79, 14:86-14:88, 14:90, 14:99, 14:101, 14:104, 14:107, 14:110-14:114, 14:117 | DR14, DR1404, DR4, DR6, – |    |    |    |    |    |    |    |    |    |    |    |    |
| *14:01:03, 14:08, 14:23:02, 14:34, 14:72, 14:92N, 14:97                                                                                                                                                                                  | DR14, Null, –             |    |    |    |    |    |    |    |    |    |    |    |    |
| *14:02, 14:06:01-14:06:02, 14:09, 14:13, 14:17, 14:20, 14:29-14:30, 14:33, 14:41, 14:47-14:48, 14:51, 14:80, 14:83, 14:94, 14:106, 14:108                                                                                                | DR14, DR6, –              |    |    |    |    |    |    | 79 |    |    |    |    |    |
| *14:03:01-14:03:02, 14:12:01-14:12:02, 14:40, 14:63, 14:67, 14:77-14:78, 14:85, 14:102, 14:115                                                                                                                                           | DR14, DR1403, DR6, –      |    |    |    |    |    |    | 79 |    |    |    |    |    |
| *14:05:01-14:05:03, 14:14, 14:23:01, 14:23:03, 14:36, 14:43-14:45, 14:56, 14:59, 14:64, 14:91, 14:96, 14:100, 14:103                                                                                                                     | DR14, –                   |    |    |    |    |    |    |    |    |    |    |    |    |
| *14:11                                                                                                                                                                                                                                   | DR14                      |    |    |    |    |    |    |    |    |    | 82 |    |    |
| *14:16                                                                                                                                                                                                                                   | DR6                       |    |    |    |    |    | 78 |    |    |    |    |    |    |
| *14:18, 14:81                                                                                                                                                                                                                            | DR14, –                   |    |    |    |    |    |    | 79 |    |    |    |    |    |
| *14:19, 14:21, 14:109                                                                                                                                                                                                                    | DR14, –                   |    |    |    |    |    | 78 | 79 |    |    |    |    |    |
| *14:22, 14:105                                                                                                                                                                                                                           | DR14, –                   |    |    |    |    |    |    |    |    |    |    |    |    |
| *14:24                                                                                                                                                                                                                                   | DR14                      |    |    |    |    |    |    | 79 |    |    |    |    |    |
| *14:25, 14:53                                                                                                                                                                                                                            | DR6, DR13, 14             |    |    |    |    |    |    |    |    |    |    |    |    |
| *14:27                                                                                                                                                                                                                                   | DR14                      |    |    |    |    |    |    | 79 |    |    |    |    |    |
| *14:32:01-14:32:02                                                                                                                                                                                                                       | DR14                      |    |    |    |    |    |    | w  |    |    |    |    |    |
| *14:37                                                                                                                                                                                                                                   | DR14                      |    |    |    |    |    |    |    |    |    |    |    |    |
| *14:42                                                                                                                                                                                                                                   | –                         |    |    |    |    |    |    |    |    |    |    |    |    |
| *14:46, 14:52                                                                                                                                                                                                                            | DR14                      |    |    |    |    |    |    |    |    |    |    |    |    |
| *14:49                                                                                                                                                                                                                                   | DR14                      |    |    |    |    |    |    | 79 |    |    |    |    |    |
| *14:50                                                                                                                                                                                                                                   | DR14                      |    |    |    |    |    |    |    |    | 81 |    |    |    |
| *14:58                                                                                                                                                                                                                                   | DR14                      |    |    |    |    |    |    |    |    |    |    |    |    |
| *14:65                                                                                                                                                                                                                                   | DR6                       |    |    |    |    |    |    | w  |    |    |    |    |    |
| *14:68, 14:93                                                                                                                                                                                                                            | DR14, –                   |    |    |    |    |    |    |    |    |    | 82 |    |    |
| *14:69                                                                                                                                                                                                                                   | –                         |    |    |    |    |    |    |    |    |    |    |    |    |
| *14:73                                                                                                                                                                                                                                   | –                         |    |    |    |    |    |    |    |    |    |    |    |    |
| *14:74                                                                                                                                                                                                                                   | –                         |    |    |    |    |    |    |    |    |    |    |    |    |
| *14:82                                                                                                                                                                                                                                   | –                         |    |    |    |    |    | 78 |    |    |    |    |    |    |
| *14:89                                                                                                                                                                                                                                   | –                         |    |    |    |    |    |    | 79 |    |    |    |    |    |
| Well No.                                                                                                                                                                                                                                 | DR                        | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 |

| Well No.                                                                  | DR                 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 |
|---------------------------------------------------------------------------|--------------------|----|----|----|----|----|----|----|----|----|----|----|----|
| DRB1 allele <sup>4</sup>                                                  | ser <sup>5</sup>   |    |    |    |    |    |    |    |    |    |    |    |    |
| *14:95                                                                    | –                  |    |    |    |    |    | 78 |    |    |    |    |    |    |
| *14:98                                                                    | –                  |    |    |    |    |    |    | 79 |    |    |    |    |    |
| *15:01:01:01-15:20, 15:22-15:24, 15:26, 15:28-15:33, 15:35-15:58          | DR15, DR2, Null, – |    |    | 75 |    |    |    |    |    |    |    |    |    |
| *15:21                                                                    | DR2                |    |    | 75 |    |    |    |    |    |    |    |    |    |
| *15:25                                                                    | –                  |    |    | 75 |    | 77 |    |    |    |    |    |    |    |
| *15:27, 15:34                                                             | –                  |    |    | 75 |    |    |    |    |    |    |    |    |    |
| *16:01:01-16:03, 16:05:01-16:05:02, 16:07-16:17                           | DR16, Null, –      |    |    |    | 76 |    |    |    |    |    |    |    |    |
| *16:04, 16:18                                                             | DR16, –            |    |    |    | 76 |    |    |    |    |    |    |    |    |
| DRB3*01:01:02:01-01:15, DRB3*02:01-02:26, DRB3*02:28, DRB3*03:01:01-03:03 | DR52, –            |    |    |    |    |    |    |    |    |    |    |    |    |
| DRB3*02:27                                                                | –                  |    |    |    |    |    |    |    |    |    |    |    |    |
| DRB4*01:01:01:01-01:03:01:01, DRB4*01:03:01:03-01:08                      | DR53, –            |    |    |    |    |    |    |    |    |    |    |    |    |
| DRB4*01:03:01:02N                                                         | Null               |    |    |    |    |    |    |    |    |    |    |    |    |
| DRB5*01:01:01-01:14, DRB5*02:02-02:05                                     | DR51, Null, –      |    |    |    |    |    |    |    |    |    |    |    |    |
| DRB1 allele <sup>4</sup>                                                  | ser <sup>5</sup>   |    |    |    |    |    |    |    |    |    |    |    |    |
| Well No.                                                                  | DR                 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 |



|    |    |    |    |    |    |    |    |    |    |    |    |                  |                   |                                                                                                                        |
|----|----|----|----|----|----|----|----|----|----|----|----|------------------|-------------------|------------------------------------------------------------------------------------------------------------------------|
|    |    |    |    |    |    |    |    |    |    |    |    | Negative control | ser <sup>5</sup>  | DRB1 allele <sup>4</sup>                                                                                               |
|    |    |    |    | 89 |    |    |    |    |    |    |    |                  | DR3, –            | *03:07, 03:17, 03:21, 03:24, 03:32, 03:35, 03:39-03:41, 03:49                                                          |
| 85 |    |    |    |    |    |    |    |    |    |    |    |                  | DR3, –            | *03:08, 03:65                                                                                                          |
|    |    |    |    |    |    | 91 | 92 |    |    |    |    |                  | DR3               | *03:10                                                                                                                 |
|    |    |    |    |    |    |    |    |    |    |    |    |                  | –                 | *03:42                                                                                                                 |
|    |    |    |    |    |    |    |    |    |    |    |    |                  | –                 | *03:46, 03:64                                                                                                          |
|    |    |    |    |    |    |    |    |    |    |    |    |                  | DR3, DR4, Null, – | *04:01:01-04:61, 04:63-04:68, 04:70-04:72:02, 04:74-04:102                                                             |
|    |    |    |    |    | 90 |    |    |    |    |    |    |                  | DR4, –            | *04:62, 04:69, 04:73                                                                                                   |
|    |    |    |    |    |    |    |    |    |    |    |    |                  | DR7, Null, –      | *07:01:01:01-07:01:04, 07:03-07:21                                                                                     |
|    |    |    | 88 |    |    |    |    |    |    |    |    |                  | DR8, –            | *08:01:01-08:02:04, 08:04:01-08:07, 08:11, 08:16-08:17, 08:22, 08:24, 08:26, 08:28, 08:39, 08:42-08:44                 |
|    |    |    |    |    |    |    |    |    |    |    |    |                  | DR8, –            | *08:03:02, 08:10, 08:12-08:15, 08:18-08:19, 08:23, 08:25, 08:27, 08:29-08:30:03, 08:33-08:34, 08:36-08:38, 08:45-08:48 |
|    |    |    | 88 |    | 90 |    |    |    |    |    |    |                  | DR8               | *08:08                                                                                                                 |
|    |    |    | 88 |    |    |    | 92 |    |    |    |    |                  | DR8               | *08:09, 14:15 <sup>7</sup>                                                                                             |
|    |    | 87 | 88 | 89 |    |    | 92 |    |    |    |    |                  | DR13, –           | *08:20, 13:18, 13:47, 13:55 <sup>8</sup>                                                                               |
|    |    | 87 | 88 |    |    |    | 92 |    |    |    |    |                  | DR8               | *08:21                                                                                                                 |
| 85 |    |    | 88 |    |    |    |    |    |    |    |    |                  | DR8, DR11, –      | *08:31, 08:41, 11:67 <sup>9</sup>                                                                                      |
|    | 86 |    |    |    |    |    | 92 |    |    |    |    |                  | –                 | *08:32                                                                                                                 |
|    |    |    |    |    |    |    | 92 |    |    |    |    |                  | –                 | *08:35                                                                                                                 |
|    |    |    |    |    |    |    |    |    |    |    |    |                  | –                 | *08:40                                                                                                                 |
|    |    |    |    |    |    | 91 |    |    |    |    |    |                  | DR9, –            | *09:01:02-09:01:05, 09:01:07-09:02:02, 09:04-09:16                                                                     |
|    |    |    |    |    |    |    |    |    |    |    |    |                  | DR9               | *09:01:06, 09:03                                                                                                       |
|    |    |    |    |    |    |    |    |    |    |    |    |                  | DR10, –           | *10:01:01-10:03                                                                                                        |
| 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 |                  | DR                | Well No.                                                                                                               |

| 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | DR               | Well No.                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----|----|----|----|----|----|----|----|----|----|----|----|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |    |    |    |    |    |    |    |    |    |    |    | ser <sup>5</sup> | DRB1 allele <sup>4</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 85 |    | 87 | 88 |    |    |    |    |    |    |    |    | DR11, –          | *11:01:01-11:01:15,<br>11:04:01-11:04:08,<br>11:06:01-11:06:02, 11:09-<br>11:10:02, 11:12:01-<br>11:12:02, 11:15, 11:24,<br>11:27:01-11:30, 11:32-<br>11:33, 11:35, 11:37-11:39,<br>11:43-11:44, 11:46:01-<br>11:47, 11:49:01-11:51,<br>11:54:01-11:54:02, 11:56,<br>11:58:01-11:58:02, 11:60-<br>11:62, 11:66, 11:72,<br>11:74:01-11:75, 11:77-<br>11:78, 11:81, 11:84, 11:88,<br>11:90-11:92, 11:94-11:95,<br>11:97, 11:99-11:102,<br>11:106, 11:108-11:113 |
| 85 |    | 87 | 88 |    |    |    |    |    |    |    |    | DR11,<br>DR13, – | *11:02:01-11:03, 11:11:01-<br>11:11:02, 11:14:01-<br>11:14:02, 11:16, 11:20-<br>11:21, 11:36, 11:40-11:41,<br>11:48, 11:59, 11:63,<br>11:65:01-11:65:02, 11:68,<br>11:70, 11:76, 11:80, 11:83,<br>11:85-11:87, 11:93                                                                                                                                                                                                                                          |
| 85 |    |    | 88 |    |    |    |    |    |    |    |    | DR11             | *11:05                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 85 |    |    |    |    |    |    |    |    |    |    |    | DR11, –          | *11:07, 11:53, 11:103,<br>11:105, 11:107                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 85 |    | 87 |    |    |    |    |    |    |    |    |    | DR11, –          | *11:08:01-11:08:02, 11:18-<br>11:19:03, 11:42, 11:57                                                                                                                                                                                                                                                                                                                                                                                                          |
| 85 |    |    |    |    |    | 91 | 92 |    |    |    |    | DR11             | *11:13:01-11:13:02                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 85 |    |    |    |    |    | 91 | 92 |    |    |    |    | DR11,<br>DR14    | *11:17, 11:52                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 85 |    |    |    |    |    |    |    |    |    |    |    | –                | *11:22, 11:98, 11:104                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 85 |    | 87 | 88 |    |    |    | 92 |    |    |    |    | DR11, –          | *11:23, 11:25, 11:96                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 85 |    |    |    |    |    |    |    |    |    |    |    | DR11             | *11:26, 11:34                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 85 |    | 87 |    |    |    |    | 92 |    |    |    |    | DR11, –          | *11:31, 11:45, 11:64                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 85 |    |    | 88 |    |    |    | 92 |    |    |    |    | DR11             | *11:55                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 85 |    |    | 88 |    | 90 |    |    |    |    |    |    | –                | *11:69, 11:82                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 85 |    | 87 |    |    |    |    |    |    |    |    |    | –                | *11:73, 11:79                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 85 |    |    |    |    |    |    | 92 |    |    |    |    | –                | *11:89                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|    | 86 |    |    |    |    |    |    |    |    |    |    | DR12,<br>Null, – | *12:01:01-12:01:04,<br>12:03:02, 12:05-12:12,<br>12:14, 12:17, 12:24N-<br>12:25, 12:28-12:30, 12:34                                                                                                                                                                                                                                                                                                                                                           |
|    | 86 |    | 88 |    |    |    |    |    |    |    |    | DR12,<br>Null, – | *12:02:01-12:02:05, 12:13,<br>12:15, 12:18-12:21, 12:23,<br>12:26-12:27, 12:31N-12:33                                                                                                                                                                                                                                                                                                                                                                         |
|    | 86 |    |    |    |    |    |    |    |    |    |    | DR12             | *12:04                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|    | 86 |    | 88 |    |    |    |    |    |    |    |    | –                | *12:16                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|    | 86 |    |    |    |    |    |    |    |    |    |    | –                | *12:22                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | DR               | Well No.                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

| 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | DR                                 | Well No.                                                                                                                                                                                                                                                                                                                                                                          |
|----|----|----|----|----|----|----|----|----|----|----|----|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |    |    |    |    |    |    |    |    |    |    |    | ser <sup>5</sup>                   | DRB1 allele <sup>4</sup>                                                                                                                                                                                                                                                                                                                                                          |
|    |    | 87 | 88 | 89 |    |    |    |    |    |    |    | DR11,<br>DR13,<br>DR14,<br>Null, – | *13:01:01-13:02:01,<br>13:02:03-13:02:05, 13:04,<br>13:08, 13:16, 13:20, 13:22-<br>13:24, 13:27-13:29, 13:31-<br>13:32, 13:34-13:36, 13:38-<br>13:41, 13:48, 13:51-13:52,<br>13:54, 13:59, 13:61:01-<br>13:61:02, 13:63-13:65,<br>13:68-13:76, 13:78-13:80,<br>13:83-13:84, 13:87, 13:91-<br>13:93, 13:96:01-13:99,<br>13:102, 13:105-13:107,<br>13:109, 13:111-13:114,<br>13:117 |
|    |    | 87 |    | 89 |    |    |    |    |    |    |    | DR13, –                            | *13:02:02, 13:03:01-<br>13:03:06, 13:10, 13:33:01-<br>13:33:03, 13:37, 13:66:01-<br>13:66:02, 13:81, 13:88-<br>13:90, 13:94-13:95, 13:101,<br>13:115                                                                                                                                                                                                                              |
|    |    | 87 | 88 | 89 |    |    |    |    |    |    |    | DR11,<br>DR13,<br>DR6, –           | *13:05:01-13:05:02,<br>13:07:01-13:07:02,<br>13:11:01-13:11:02,<br>13:14:01-13:14:03,<br>13:21:01-13:21:02, 13:42,<br>13:46, 13:49-13:50:02,<br>13:62, 13:100, 13:108                                                                                                                                                                                                             |
|    |    | 87 |    | 89 |    |    |    |    |    |    |    | DR11,<br>DR13,<br>DR6, –           | *13:06, 13:12:01-13:12:02,<br>13:25, 13:30, 13:56, 13:58,<br>13:60, 13:77, 13:82,<br>13:110, 13:118                                                                                                                                                                                                                                                                               |
|    |    |    | 88 | 89 |    |    |    |    |    |    |    | DR13                               | *13:09                                                                                                                                                                                                                                                                                                                                                                            |
|    |    | 87 |    | 89 |    |    | 92 |    |    |    |    | DR13, –                            | *13:13, 13:119, 14:84,<br>14:116 <sup>10</sup>                                                                                                                                                                                                                                                                                                                                    |
|    |    | 87 | 88 | 89 |    |    |    |    |    |    |    | DR13, –                            | *13:15, 13:19, 13:53,<br>13:57, 13:104                                                                                                                                                                                                                                                                                                                                            |
|    |    |    | 88 |    |    |    |    |    |    |    |    | DR13, –                            | *13:17, 13:116                                                                                                                                                                                                                                                                                                                                                                    |
|    |    | 87 | 88 | 89 |    |    |    |    |    |    |    | DR14                               | *13:26                                                                                                                                                                                                                                                                                                                                                                            |
|    |    | 87 | 88 |    |    | 91 | 92 |    |    |    |    | DR13                               | *13:43                                                                                                                                                                                                                                                                                                                                                                            |
|    |    |    |    | 89 |    |    |    |    |    |    |    | –                                  | *13:44, 13:86                                                                                                                                                                                                                                                                                                                                                                     |
|    |    | 87 | 88 |    | 90 |    | 92 |    |    |    |    | DR13                               | *13:45                                                                                                                                                                                                                                                                                                                                                                            |
|    |    | 87 | 88 |    |    |    |    |    |    |    |    | DR13, –                            | *13:67, 13:103                                                                                                                                                                                                                                                                                                                                                                    |
|    |    | 87 |    | 89 |    |    |    |    |    |    |    | –                                  | *13:85                                                                                                                                                                                                                                                                                                                                                                            |
| 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | DR                                 | Well No.                                                                                                                                                                                                                                                                                                                                                                          |
| 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | DR                                 | Well No.                                                                                                                                                                                                                                                                                                                                                                          |
|    |    |    |    |    |    |    |    |    |    |    |    | ser <sup>5</sup>                   | DRB1 allele <sup>4</sup>                                                                                                                                                                                                                                                                                                                                                          |

|    |    |    |    |    |    |    |    |    |    |    |    |    |                                     |                                                                                                                                                                                                                                                                   |
|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |    |    |    |    | 90 | 91 | 92 |    |    |    |    |    | DR14,<br>DR1404<br>, DR4,<br>DR6, – | *14:01:01-14:01:02, 14:04,<br>14:07:01-14:07:02, 14:10,<br>14:26, 14:28, 14:31, 14:35,<br>14:38-14:39, 14:54-14:55,<br>14:57, 14:60-14:62, 14:70-<br>14:71, 14:75-14:76, 14:79,<br>14:86-14:88, 14:90, 14:99,<br>14:101, 14:104, 14:107,<br>14:110-14:114, 14:117 |
|    |    |    |    |    |    | 91 | 92 |    |    |    |    |    | DR14,<br>Null, –                    | *14:01:03, 14:08, 14:23:02,<br>14:34, 14:72, 14:92N,<br>14:97                                                                                                                                                                                                     |
|    |    |    |    | 89 |    | 91 |    |    |    |    |    |    | DR14,<br>DR6, –                     | *14:02, 14:06:01-14:06:02,<br>14:09, 14:13, 14:17, 14:20,<br>14:29-14:30, 14:33, 14:41,<br>14:47-14:48, 14:51, 14:80,<br>14:83, 14:94, 14:106,<br>14:108                                                                                                          |
|    |    | 87 |    | 89 |    |    | 92 |    |    |    |    |    | DR14,<br>DR1403<br>, DR6, –         | *14:03:01-14:03:02,<br>14:12:01-14:12:02, 14:40,<br>14:63, 14:67, 14:77-14:78,<br>14:85, 14:102, 14:115                                                                                                                                                           |
|    |    |    |    | 89 |    | 91 | 92 |    |    |    |    |    | DR14, –                             | *14:05:01-14:05:03, 14:14,<br>14:23:01, 14:23:03, 14:36,<br>14:43-14:45, 14:56, 14:59,<br>14:64, 14:91, 14:96,<br>14:100, 14:103                                                                                                                                  |
|    |    |    |    |    |    | 91 | 92 |    |    |    |    |    | DR14                                | *14:11                                                                                                                                                                                                                                                            |
|    |    | 87 | 88 |    | 90 | 91 | 92 |    |    |    |    |    | DR6                                 | *14:16                                                                                                                                                                                                                                                            |
|    |    |    |    | 89 |    | 91 | 92 |    |    |    |    |    | DR14, –                             | *14:18, 14:81                                                                                                                                                                                                                                                     |
|    |    | 87 |    | 89 |    | w  |    |    |    |    |    |    | DR14, –                             | *14:19, 14:21, 14:109                                                                                                                                                                                                                                             |
|    |    | 87 | 88 |    | 90 | 91 | 92 |    |    |    |    |    | DR14, –                             | *14:22, 14:105                                                                                                                                                                                                                                                    |
|    |    |    | 88 | 89 |    |    |    |    |    |    |    |    | DR14                                | *14:24                                                                                                                                                                                                                                                            |
|    |    | 87 | 88 |    | 90 |    | 92 |    |    |    |    |    | DR6,<br>DR13,<br>14                 | *14:25, 14:53                                                                                                                                                                                                                                                     |
|    |    | 87 | 88 | 89 |    |    | 92 |    |    |    |    |    | DR14                                | *14:27                                                                                                                                                                                                                                                            |
|    |    |    |    |    | 90 | 91 | 92 |    |    |    |    |    | DR14                                | *14:32:01-14:32:02                                                                                                                                                                                                                                                |
|    |    |    | 88 | 89 | 90 |    |    |    |    |    |    |    | DR14                                | *14:37                                                                                                                                                                                                                                                            |
|    |    |    |    | 89 |    |    | 92 |    |    |    |    |    | –                                   | *14:42                                                                                                                                                                                                                                                            |
|    |    |    |    |    |    | 91 |    |    |    |    |    |    | DR14                                | *14:46, 14:52                                                                                                                                                                                                                                                     |
|    |    |    |    |    | 90 | 91 | 92 |    |    |    |    |    | DR14                                | *14:49                                                                                                                                                                                                                                                            |
|    |    |    |    |    | 90 | 91 | 92 |    |    |    |    |    | DR14                                | *14:50                                                                                                                                                                                                                                                            |
|    |    |    |    |    | 90 |    | 92 |    |    |    |    |    | DR14                                | *14:58                                                                                                                                                                                                                                                            |
|    |    |    |    | 89 |    | 91 | 92 |    |    |    |    |    | DR6                                 | *14:65                                                                                                                                                                                                                                                            |
|    |    |    |    |    | 90 | 91 | 92 |    |    |    |    |    | DR14, –                             | *14:68, 14:93                                                                                                                                                                                                                                                     |
|    |    | 87 |    |    | 90 |    | 92 |    |    |    |    |    | –                                   | *14:69                                                                                                                                                                                                                                                            |
|    |    |    | 88 |    | 90 | 91 | 92 |    |    |    |    |    | –                                   | *14:73                                                                                                                                                                                                                                                            |
|    |    | 87 |    |    | 90 | 91 | 92 |    |    |    |    |    | –                                   | *14:74                                                                                                                                                                                                                                                            |
|    |    |    |    |    | 90 | 91 | 92 |    |    |    |    |    | –                                   | *14:82                                                                                                                                                                                                                                                            |
|    |    |    |    | 89 |    |    | 92 |    |    |    |    |    | –                                   | *14:89                                                                                                                                                                                                                                                            |
| 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | DR | Well No.                            |                                                                                                                                                                                                                                                                   |

Negative control

|    |    |    |    |    |    |    |    |    |    |    |    |                          |                                                                           |
|----|----|----|----|----|----|----|----|----|----|----|----|--------------------------|---------------------------------------------------------------------------|
| 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | DR                       | Well No.                                                                  |
|    |    |    |    |    |    |    |    |    |    |    |    | ser <sup>5</sup>         | DRB1 allele <sup>4</sup>                                                  |
|    |    |    |    | 89 |    | 91 | 92 |    |    |    |    | –                        | *14:95                                                                    |
|    |    | 87 |    | 89 |    |    |    |    |    |    |    | –                        | *14:98                                                                    |
|    |    |    |    |    |    |    |    |    |    |    |    | DR15,<br>DR2,<br>Null, – | *15:01:01:01-15:20, 15:22-15:24, 15:26, 15:28-15:33, 15:35-15:58          |
|    |    |    |    |    |    |    | w  |    |    |    |    | DR2                      | *15:21                                                                    |
|    |    |    |    |    |    |    |    |    |    |    |    | –                        | *15:25                                                                    |
|    |    |    |    |    |    | 91 |    |    |    |    |    | –                        | *15:27, 15:34                                                             |
|    |    |    |    |    |    |    |    |    |    |    |    | DR16,<br>Null, –         | *16:01:01-16:03, 16:05:01-16:05:02, 16:07-16:17                           |
|    |    |    |    |    |    |    | w  |    |    |    |    | DR16, –                  | *16:04, 16:18                                                             |
|    |    |    |    |    |    |    |    | 93 |    |    |    | DR52, –                  | DRB3*01:01:02:01-01:15, DRB3*02:01-02:26, DRB3*02:28, DRB3*03:01:01-03:03 |
|    |    | 87 |    |    |    |    |    | 93 |    |    |    | –                        | DRB3*02:27                                                                |
|    |    |    |    |    |    |    |    |    | 94 |    |    | DR53, –                  | DRB4*01:01:01:01-01:03:01:01, DRB4*01:03:01:03-01:08                      |
|    |    |    |    |    | 90 |    |    |    | 94 |    |    | Null                     | DRB4*01:03:01:02N                                                         |
|    |    |    |    |    |    |    |    |    |    | 95 |    | DR51,<br>Null, –         | DRB5*01:01:01-01:14, DRB5*02:02-02:05                                     |
|    |    |    |    |    |    |    |    |    |    |    |    | ser <sup>5</sup>         | DRB1 allele <sup>4</sup>                                                  |
| 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | DR                       | Well No.                                                                  |