

| INTERPRETATION TABLE                                           |                  |                   |             |             |             |             |             |             |             |             |             |             |             |
|----------------------------------------------------------------|------------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| DR low resolution SSP typing                                   |                  |                   |             |             |             |             |             |             |             |             |             |             |             |
| Amplification patterns of the DRB1*01:01 to DRB1*10:04 alleles |                  |                   |             |             |             |             |             |             |             |             |             |             |             |
|                                                                |                  | Well <sup>6</sup> |             |             |             |             |             |             |             |             |             |             |             |
|                                                                |                  | 9                 | 10          | 11          | 12          | 13          | 14          | 15          | 16          | 17          | 18          | 19          | 20          |
| Length of spec.                                                |                  | 205               | 200         | 200         | 210         | 120         | 80          | 85          | 100         | 210         | 170         | 90          | 175         |
| 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) | 26<br>(164) |
|                                                                |                  | 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'-gTA 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) | 31<br>(178) |
|                                                                |                  | 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'   | 5'-gCg 3'   |
|                                                                |                  |                   |             |             |             |             |             |             | 13<br>(125) | 14<br>(127) |             |             |             |
|                                                                |                  |                   |             |             |             |             |             |             | 5'-ATA 3'   | 5'-gTA 3'   |             |             |             |
|                                                                |                  |                   |             |             |             |             |             |             | 13<br>(125) | 16<br>(133) |             |             |             |
|                                                                |                  |                   |             |             |             |             |             |             | 5'-gTC 3'   | 5'-gTT 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) | 74<br>(307) |
|                                                                |                  | 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'-CgC 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) |             |
|                                                                |                  | 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'   |             |
|                                                                |                  | 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               | 9                 | 10          | 11          | 12          | 13          | 14          | 15          | 16          | 17          | 18          | 19          | 20          |
| DRB1 allele <sup>4</sup>                                       | ser <sup>5</sup> |                   |             |             |             |             |             |             |             |             |             |             |             |
| *01:01:01-01:02:08, 01:04-01:38, 01:40N-01:41, 01:43-01:45     | DR1, Null, –     | 9                 |             |             |             |             |             |             |             |             |             |             |             |
| *01:03, 01:39N                                                 | DR103, DR1, Null |                   | 10          |             |             |             |             |             |             |             |             |             |             |
| *01:42                                                         | –                | 9                 | 10          |             |             |             |             |             |             |             |             |             |             |
| Well No.                                                       | DR               | 9                 | 10          | 11          | 12          | 13          | 14          | 15          | 16          | 17          | 18          | 19          | 20          |
| Well No.                                                       | DR               | 9                 | 10          | 11          | 12          | 13          | 14          | 15          | 16          | 17          | 18          | 19          | 20          |
| DRB1 allele <sup>4</sup>                                       | ser <sup>5</sup> |                   |             |             |             |             |             |             |             |             |             |             |             |

|                                                                                                                                                                                                                                                                           |                          |   |    |    |    |    |    |    |    |    |    |    |    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|---|----|----|----|----|----|----|----|----|----|----|----|
| *03:01:01-03:01:19,<br>03:04:01-03:06, 03:09,<br>03:11:01-03:16, 03:18-<br>03:20, 03:22-03:23, 03:25-<br>03:26, 03:28, 03:30-03:31,<br>03:33-03:34, 03:36-03:37,<br>03:43-03:45, 03:47-03:48,<br>03:50-03:52, 03:54-03:63,<br>03:66-03:68N, 03:70-<br>03:73, 03:75, 03:77 | DR17,<br>DR3,<br>Null, – |   |    |    |    | 13 | 14 |    |    |    |    |    |    |
| *03:02:01-03:03, 03:27,<br>03:29, 03:38, 03:53, 03:74                                                                                                                                                                                                                     | DR18,<br>DR3, –          |   |    |    |    | 13 |    | 15 |    |    |    |    |    |
| *03:07, 03:17, 03:21,<br>03:24, 03:32, 03:35, 03:39-<br>03:41, 03:49                                                                                                                                                                                                      | DR3, –                   |   |    |    |    | 13 |    |    |    |    |    |    |    |
| *03:08, 03:65                                                                                                                                                                                                                                                             | DR3, –                   |   |    |    |    | 13 | 14 |    |    |    |    | 19 |    |
| *03:10                                                                                                                                                                                                                                                                    | DR3                      |   |    |    |    | 13 | 14 |    |    |    |    |    |    |
| *03:42, 03:69                                                                                                                                                                                                                                                             | –                        |   |    |    |    | 13 |    |    |    |    |    |    |    |
| *03:46, 03:64                                                                                                                                                                                                                                                             | –                        |   |    |    |    | 13 | 14 |    |    |    |    |    |    |
| *03:76                                                                                                                                                                                                                                                                    | –                        |   |    |    |    |    | 14 |    |    |    |    |    | 20 |
| *04:01:01-04:61, 04:63-<br>04:68, 04:70-04:72:02,<br>04:74-04:104, 04:106-<br>04:107                                                                                                                                                                                      | DR4,<br>DR3,<br>Null, –  |   |    |    |    |    |    |    | 16 |    |    |    |    |
| *04:62, 04:69, 04:73,<br>04:105                                                                                                                                                                                                                                           | DR4, –                   |   |    |    |    |    |    |    | 16 |    |    |    |    |
| *07:01:01-07:01:04,<br>07:03-07:22                                                                                                                                                                                                                                        | DR7,<br>Null, –          |   |    |    |    |    |    |    |    | 17 |    |    |    |
| *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, –                   |   |    |    |    |    |    |    |    |    | 18 |    |    |
| *08:03:02-08:03:03,<br>08:10, 08:12-08:15, 08:18-<br>08:19, 08:23, 08:25,<br>08:27, 08:29-08:30:03,<br>08:33-08:34, 08:36-08:38,<br>08:45-08:49                                                                                                                           | DR8, –                   |   |    |    |    |    |    |    |    |    | 18 |    |    |
| *08:08                                                                                                                                                                                                                                                                    | DR8                      |   |    |    |    |    |    |    |    |    | 18 |    |    |
| *08:09, 14:15 <sup>7</sup>                                                                                                                                                                                                                                                | DR8                      |   |    |    |    |    |    |    |    |    | 18 |    |    |
| *08:20, 13:18, 13:47,<br>13:55 <sup>8</sup>                                                                                                                                                                                                                               | DR13, –                  |   |    |    |    |    |    |    |    |    |    |    |    |
| *08:21                                                                                                                                                                                                                                                                    | DR8                      |   |    |    |    |    |    |    |    |    | 18 |    |    |
| Well No.                                                                                                                                                                                                                                                                  | DR                       | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

[illegible]

|                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                    |   |    |    |    |    |    |    |    |    |    |    |    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|---|----|----|----|----|----|----|----|----|----|----|----|
| *11:17, 11:52                                                                                                                                                                                                                                                                                                                                                                                                                                     | DR14,<br>DR11                      |   |    |    |    |    |    |    |    |    |    |    |    |
| *11:22, 11:58, 11:104                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                  |   |    |    |    |    |    |    |    |    |    |    |    |
| *11:23, 11:25, 11:96                                                                                                                                                                                                                                                                                                                                                                                                                              | DR11, -                            |   |    |    |    |    |    |    |    |    |    |    |    |
| *11:26, 11:34                                                                                                                                                                                                                                                                                                                                                                                                                                     | DR11                               |   |    |    |    |    | 15 |    |    |    |    |    |    |
| *11:31, 11:45, 11:64,<br>11:119                                                                                                                                                                                                                                                                                                                                                                                                                   | DR11, -                            |   |    |    |    |    |    |    |    |    |    |    |    |
| *11:55                                                                                                                                                                                                                                                                                                                                                                                                                                            | DR11                               |   |    |    |    |    |    |    |    |    |    |    |    |
| *11:59, 11:80, 11:83,<br>11:87                                                                                                                                                                                                                                                                                                                                                                                                                    | DR11, -                            |   |    |    |    |    | 14 |    |    |    |    |    | 20 |
| *11:69, 11:82                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                                  |   |    |    |    |    |    |    |    |    |    |    |    |
| *11:73, 11:79                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                                  |   |    |    |    |    | 14 |    |    |    |    |    |    |
| *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-<br>12:35                                                                                                                                                                                                                                                                                                                                     | DR12,<br>Null, -                   |   |    |    |    |    |    |    |    |    |    |    |    |
| *12:02:01-12:02:05,<br>12:13, 12:15, 12:18-12:21,<br>12:23, 12:26-12:27,<br>12:31N-12:33                                                                                                                                                                                                                                                                                                                                                          | DR12,<br>Null, -                   |   |    |    |    |    |    |    |    |    |    |    |    |
| *12:04                                                                                                                                                                                                                                                                                                                                                                                                                                            | DR12                               |   |    |    |    |    |    |    |    |    | 18 |    |    |
| *12:16                                                                                                                                                                                                                                                                                                                                                                                                                                            | -                                  |   |    |    |    |    |    |    |    |    | 18 |    |    |
| *12:22                                                                                                                                                                                                                                                                                                                                                                                                                                            | -                                  |   |    |    |    |    |    |    |    | 17 | 18 |    |    |
| *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, 13:28-13:29, 13:31-<br>13:32, 13:34-13:36, 13:38-<br>13:40, 13:48, 13:51-13:52,<br>13:54, 13:59, 13:61:01-<br>13:61:02, 13:63-13:65,<br>13:68-13:70, 13:72-13:76,<br>13:78-13:80, 13:83-13:84,<br>13:87, 13:91-13:93,<br>13:96:01-13:99, 13:102,<br>13:105-13:107, 13:109,<br>13:111-13:114, 13:117,<br>13:121, 13:123-13:128,<br>13:130-13:131, 13:135 | DR13,<br>DR11,<br>DR14,<br>Null, - |   |    |    |    |    | 14 |    |    |    |    |    |    |
| Well No.                                                                                                                                                                                                                                                                                                                                                                                                                                          | DR                                 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

[illegible]

|                                                                                                                                                                                                                                                                                                  |                                        |   |    |    |    |    |    |    |    |    |    |    |    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---|----|----|----|----|----|----|----|----|----|----|----|
| *14:01:01-14:01:02,<br>14:04, 14:07:01-14:07:02,<br>14:10, 14:26, 14:28,<br>14:31, 14:35, 14:38-14:39,<br>14:54-14:55, 14:57, 14:60-<br>14:62, 14:70-14:71, 14:75-<br>14:76, 14:79, 14:86-14:88,<br>14:90, 14:99, 14:101,<br>14:104, 14:107, 14:110-<br>14:114, 14:117-14:118,<br>14:120, 14:122 | DR14,<br>DR<br>1404,<br>DR4,<br>DR6, – |   |    |    |    |    |    |    |    |    |    |    |    |
| *14:01:03, 14:08,<br>14:23:02, 14:34, 14:72,<br>14:92N, 14:97                                                                                                                                                                                                                                    | DR14,<br>Null, –                       |   |    |    |    |    |    |    |    |    |    |    |    |
| *14:02, 14:06:01-<br>14:06:02, 14:09, 14:13,<br>14:17, 14:20, 14:29-14:30,<br>14:33, 14:41, 14:47-14:48,<br>14:51, 14:80, 14:83,<br>14:94, 14:106, 14:108,<br>14:121                                                                                                                             | DR14,<br>DR6, –                        |   |    |    |    |    |    | 15 |    |    |    |    |    |
| *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                                                                                                                                                                                          | DR<br>1403,<br>DR14,<br>DR6, –         |   |    |    |    |    |    | 15 |    |    |    |    |    |
| *14:05:01-14:05:03,<br>14:14, 14:23:01, 14:23:03,<br>14:36, 14:43-14:45, 14:56,<br>14:59, 14:64, 14:91,<br>14:96, 14:100, 14:103                                                                                                                                                                 | DR14, –                                |   |    |    |    |    |    |    |    |    |    |    |    |
| *14:11                                                                                                                                                                                                                                                                                           | DR14                                   |   |    |    |    |    |    |    |    | 18 |    |    |    |
| *14:16                                                                                                                                                                                                                                                                                           | DR6                                    |   |    |    |    |    | 14 |    |    |    |    |    |    |
| *14:18, 14:81                                                                                                                                                                                                                                                                                    | DR14, –                                |   |    |    |    |    |    | 15 |    |    |    |    |    |
| *14:19, 14:21, 14:109                                                                                                                                                                                                                                                                            | DR14, –                                |   |    |    |    |    | 14 | 15 |    |    |    |    |    |
| *14:22, 14:105                                                                                                                                                                                                                                                                                   | DR14, –                                |   |    |    |    |    |    |    |    |    |    |    |    |
| *14:24                                                                                                                                                                                                                                                                                           | DR14                                   |   |    |    |    |    |    | 15 |    |    |    |    |    |
| *14:25, 14:53                                                                                                                                                                                                                                                                                    | DR6,<br>DR13,<br>14                    |   |    |    |    |    |    |    |    |    |    |    |    |
| *14:27                                                                                                                                                                                                                                                                                           | DR14                                   |   |    |    |    |    |    | 15 |    |    |    |    |    |
| *14:32:01-14:32:02                                                                                                                                                                                                                                                                               | DR14                                   |   |    |    |    |    |    | w  |    |    |    |    |    |
| *14:37                                                                                                                                                                                                                                                                                           | DR14                                   |   |    |    |    |    |    |    |    |    |    |    |    |
| *14:42                                                                                                                                                                                                                                                                                           | –                                      |   |    |    |    |    |    |    |    |    |    |    |    |
| Well No.                                                                                                                                                                                                                                                                                         | DR                                     | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| Well No.                                                                                                                                                                                                                                                                                         | DR                                     | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| DRB1 allele <sup>4</sup>                                                                                                                                                                                                                                                                         | ser <sup>5</sup>                       |   |    |    |    |    |    |    |    |    |    |    |    |
| *14:46, 14:52                                                                                                                                                                                                                                                                                    | DR14                                   |   |    |    |    |    |    |    |    |    |    |    |    |
| *14:49, 14:119                                                                                                                                                                                                                                                                                   | DR14, –                                |   |    |    |    |    |    | 15 |    |    |    |    |    |

|                                                                               |                    |   |    |    |    |    |    |    |    |    |    |    |    |
|-------------------------------------------------------------------------------|--------------------|---|----|----|----|----|----|----|----|----|----|----|----|
| *14:50                                                                        | DR14               |   |    |    |    |    |    |    |    | 17 |    |    |    |
| *14:58                                                                        | DR14               |   |    |    |    |    |    |    |    |    |    |    |    |
| *14:65                                                                        | DR6                |   |    |    |    |    |    | w  |    |    |    |    |    |
| *14:68, 14:93                                                                 | DR14, –            |   |    |    |    |    |    |    |    | 18 |    |    |    |
| *14:69                                                                        | –                  |   |    |    |    |    |    |    |    |    |    |    |    |
| *14:73                                                                        | –                  |   |    |    |    |    |    |    |    |    |    |    |    |
| *14:74                                                                        | –                  |   |    |    |    |    |    |    |    |    |    |    |    |
| *14:82                                                                        | –                  |   |    |    |    |    | 14 |    |    |    |    |    |    |
| *14:89                                                                        | –                  |   |    |    |    |    |    | 15 |    |    |    |    |    |
| *14:95                                                                        | –                  |   |    |    |    |    | 14 |    |    |    |    |    |    |
| *14:98                                                                        | –                  |   |    |    |    |    |    | 15 |    |    |    |    |    |
| *15:01:01:01-15:20, 15:22-15:24, 15:26, 15:28-15:33, 15:35-15:65, 15:67-15:69 | DR15, DR2, Null, – |   |    | 11 |    |    |    |    |    |    |    |    |    |
| *15:21                                                                        | DR2                |   |    | 11 |    |    |    |    |    |    |    |    |    |
| *15:25                                                                        | –                  |   |    | 11 |    | 13 |    |    |    |    |    |    |    |
| *15:27, 15:34, 15:66                                                          | –                  |   |    | 11 |    |    |    |    |    |    |    |    |    |
| *16:01:01-16:03, 16:05:01-16:05:02, 16:07-16:17, 16:19                        | DR16, Null, –      |   |    |    | 12 |    |    |    |    |    |    |    |    |
| *16:04, 16:18                                                                 | DR16, –            |   |    |    | 12 |    |    |    |    |    |    |    |    |
| 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, 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                 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |



|    |    |    |    |    |    |    |    |    |    |    |                  |                    |                                                                                                                                                                                                                                                |
|----|----|----|----|----|----|----|----|----|----|----|------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |    |    |    | 25 |    |    |    |    |    |    | Negative control | DR17, DR3, Null, – | *03:01:01:01-03:01:19, 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, 03:66-03:68N, 03:70-03:73, 03:75, 03:77 |
|    |    |    |    | 25 |    |    |    |    |    |    |                  | DR18, DR3, –       | *03:02:01-03:03, 03:27, 03:29, 03:38, 03:53, 03:74                                                                                                                                                                                             |
|    |    |    |    | 25 |    |    |    |    |    |    |                  | DR3, –             | *03:07, 03:17, 03:21, 03:24, 03:32, 03:35, 03:39, 03:41, 03:49                                                                                                                                                                                 |
| 21 |    |    |    |    |    |    | 27 | 28 |    |    |                  | DR3, –             | *03:08, 03:65                                                                                                                                                                                                                                  |
|    |    |    |    |    |    |    |    |    |    |    |                  | DR3                | *03:10                                                                                                                                                                                                                                         |
|    |    |    |    |    |    |    |    |    |    |    |                  | –                  | *03:42, 03:69                                                                                                                                                                                                                                  |
|    |    |    |    |    |    |    |    |    |    |    |                  | –                  | *03:46, 03:64                                                                                                                                                                                                                                  |
|    |    | 23 |    | 25 |    |    |    |    |    |    |                  | –                  | *03:76                                                                                                                                                                                                                                         |
|    |    |    |    |    |    |    |    |    |    |    |                  | DR4, DR3, Null, –  | *04:01:01-04:61, 04:63-04:68, 04:70-04:72:02, 04:74-04:104, 04:106-04:107                                                                                                                                                                      |
|    |    |    |    |    | 26 |    |    |    |    |    |                  | DR4, –             | *04:62, 04:69, 04:73, 04:105                                                                                                                                                                                                                   |
|    |    |    |    |    |    |    |    |    |    |    |                  | DR7, Null, –       | *07:01:01:01-07:01:04, 07:03-07:22                                                                                                                                                                                                             |
|    |    |    | 24 |    |    |    |    |    |    |    |                  | 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, –             | *08:03:02-08:03:03, 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, 08:45-08:49                                                                                                                |
|    |    |    | 24 |    | 26 |    |    |    |    |    |                  | DR8                | *08:08                                                                                                                                                                                                                                         |
|    |    |    | 24 |    |    |    | 28 |    |    |    |                  | DR8                | *08:09, 14:15 <sup>7</sup>                                                                                                                                                                                                                     |
|    |    | 23 | 24 | 25 |    |    | 28 |    |    |    |                  | DR13, –            | *08:20, 13:18, 13:47, 13:55 <sup>8</sup>                                                                                                                                                                                                       |
|    |    | 23 | 24 |    |    |    | 28 |    |    |    |                  | DR8                | *08:21                                                                                                                                                                                                                                         |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32               | DR                 | Well No.                                                                                                                                                                                                                                       |

| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | DR               | Well No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----|----|----|----|----|----|----|----|----|----|----|----|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |    |    |    |    |    |    |    |    |    |    |    | ser <sup>5</sup> | DRB1 allele <sup>4</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 21 |    |    | 24 |    |    |    |    |    |    |    |    | DR8,<br>DR11, –  | *08:31, 08:41, 11:67 <sup>9</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|    | 22 |    |    |    |    |    | 28 |    |    |    |    | –                | *08:32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|    |    |    |    |    |    |    | 28 |    |    |    |    | –                | *08:35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|    |    |    |    |    |    |    |    |    |    |    |    | –                | *08:40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|    |    |    |    |    |    | 27 |    |    |    |    |    | DR9, –           | *09:01:02-09:01:05,<br>09:01:07-09:02:02, 09:04-<br>09:17                                                                                                                                                                                                                                                                                                                                                                                                                                |
|    |    |    |    |    |    |    |    |    |    |    |    | DR9              | *09:01:06, 09:03                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|    |    |    |    |    |    |    |    |    |    |    |    | DR10, –          | *10:01:01-10:04                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 21 |    | 23 | 24 |    |    |    |    |    |    |    |    | DR11, –          | *11:01:01-11:01:16,<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, 11:37:01-<br>11:39, 11:43-11:44,<br>11:46:01-11:47, 11:49:01-<br>11:51, 11:54:01-11:54:02,<br>11:56, 11:58:01-11:58:02,<br>11:60-11:62, 11:66, 11:72,<br>11:74:01-11:75, 11:77-<br>11:78, 11:81, 11:84,<br>11:88, 11:90-11:92, 11:94-<br>11:95, 11:97, 11:99-<br>11:102:02, 11:106, 11:108,<br>11:117, 11:120-11:121 |
| 21 |    | 23 | 24 |    |    |    |    |    |    |    |    | DR11, 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, 11:63, 11:65:01-<br>11:65:02, 11:68, 11:70,<br>11:76, 11:85-11:86, 11:93,<br>11:118                                                                                                                                                                                                                                                                                 |
| 21 |    |    | 24 |    |    |    |    |    |    |    |    | DR11             | *11:05                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 21 |    |    |    |    |    |    |    |    |    |    |    | DR11, –          | *11:07, 11:53, 11:103,<br>11:105, 11:107                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 21 |    | 23 |    |    |    |    |    |    |    |    |    | DR11, –          | *11:08:01-11:08:02, 11:18-<br>11:19:03, 11:42, 11:57                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 21 |    |    |    |    |    | 27 | 28 |    |    |    |    | DR11             | *11:13:01-11:13:02                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | DR               | Well No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | DR               | Well No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|    |    |    |    |    |    |    |    |    |    |    |    | ser <sup>5</sup> | DRB1 allele <sup>4</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

|    |    |    |    |    |    |    |    |    |    |    |                  |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----|----|----|----|----|----|----|----|----|----|----|------------------|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 21 |    |    |    |    |    | 27 | 28 |    |    |    | Negative control | DR14,<br>DR11                      | *11:17, 11:52                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 21 |    |    |    |    |    |    |    |    |    |    |                  | -                                  | *11:22, 11:98, 11:104                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 21 |    | 23 | 24 |    |    |    | 28 |    |    |    |                  | DR11, -                            | *11:23, 11:25, 11:96                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 21 |    |    |    |    |    |    |    |    |    |    |                  | DR11                               | *11:26, 11:34                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 21 |    | 23 |    |    |    |    | 28 |    |    |    |                  | DR11, -                            | *11:31, 11:45, 11:64,<br>11:119                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 21 |    |    | 24 |    |    |    | 28 |    |    |    |                  | DR11                               | *11:55                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 21 |    | 23 | 24 |    |    |    |    |    |    |    |                  | DR11, -                            | *11:59, 11:80, 11:83,<br>11:87                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 21 |    |    | 24 |    | 26 |    |    |    |    |    |                  | -                                  | *11:69, 11:82                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 21 |    | 23 |    |    |    |    |    |    |    |    |                  | -                                  | *11:73, 11:79                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 21 |    |    |    |    |    |    | 28 |    |    |    |                  | -                                  | *11:89                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|    | 22 |    |    |    |    |    |    |    |    |    |                  | 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-<br>12:35                                                                                                                                                                                                                                                                                                                                     |
|    | 22 |    | 24 |    |    |    |    |    |    |    |                  | DR12,<br>Null, -                   | *12:02:01-12:02:05,<br>12:13, 12:15, 12:18-12:21,<br>12:23, 12:26-12:27,<br>12:31N-12:33                                                                                                                                                                                                                                                                                                                                                          |
|    | 22 |    |    |    |    |    |    |    |    |    |                  | DR12                               | *12:04                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|    | 22 |    | 24 |    |    |    |    |    |    |    |                  | -                                  | *12:16                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|    | 22 |    |    |    |    |    |    |    |    |    |                  | -                                  | *12:22                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|    |    | 23 | 24 | 25 |    |    |    |    |    |    |                  | DR13,<br>DR11,<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, 13:28-13:29, 13:31-<br>13:32, 13:34-13:36, 13:38-<br>13:40, 13:48, 13:51-13:52,<br>13:54, 13:59, 13:61:01-<br>13:61:02, 13:63-13:65,<br>13:68-13:70, 13:72-13:76,<br>13:78-13:80, 13:83-13:84,<br>13:87, 13:91-13:93,<br>13:96:01-13:99, 13:102,<br>13:105-13:107, 13:109,<br>13:111-13:114, 13:117,<br>13:121, 13:123-13:128,<br>13:130-13:131, 13:135 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32               | DR                                 | Well No.                                                                                                                                                                                                                                                                                                                                                                                                                                          |

| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | DR                 | Well No.                                                                                                                                                    |
|----|----|----|----|----|----|----|----|----|----|----|----|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |    |    |    |    |    |    |    |    |    |    |    | ser <sup>5</sup>   | DRB1 allele <sup>4</sup>                                                                                                                                    |
|    |    | 23 |    | 25 |    |    |    |    |    |    |    | DR13, –            | *13:02:02, 13:03:01-13:03:06, 13:10, 13:33:01-13:33:03, 13:37, 13:66:01-13:66:02, 13:81, 13:88-13:90, 13:94-13:95, 13:101, 13:115, 13:120, 13:133           |
|    |    | 23 | 24 | 25 |    |    |    |    |    |    |    | DR13, DR11, DR6, – | *13:05:01-13:05:02, 13:07:01-13:07:02, 13:11:01-13:11:02, 13:14:01-13:14:03, 13:21:01-13:21:02, 13:42, 13:46, 13:49-13:50:02, 13:62, 13:100, 13:108, 13:132 |
|    |    | 23 |    | 25 |    |    |    |    |    |    |    | DR13, DR11, DR6, – | *13:06, 13:12:01-13:12:02, 13:25, 13:30, 13:56, 13:58, 13:60, 13:77, 13:82, 13:110, 13:118, 13:134                                                          |
|    |    |    | 24 | 25 |    |    |    |    |    |    |    | DR13               | *13:09                                                                                                                                                      |
|    |    | 23 |    | 25 |    |    | 28 |    |    |    |    | DR13, –            | *13:13, 13:119, 14:84, 14:116 <sup>10</sup>                                                                                                                 |
|    |    | 23 | 24 | 25 |    |    |    |    |    |    |    | DR13, –            | *13:15, 13:19, 13:53, 13:57, 13:104                                                                                                                         |
|    |    |    | 24 |    |    |    |    |    |    |    |    | DR13, –            | *13:17, 13:116                                                                                                                                              |
|    |    | 23 | 24 | 25 |    |    |    |    |    |    |    | DR14               | *13:26                                                                                                                                                      |
|    |    | 23 | 24 | 25 |    |    |    |    |    |    |    | DR13               | *13:27, 13:41, 13:71                                                                                                                                        |
|    |    | 23 | 24 |    |    | 27 | 28 |    |    |    |    | DR13               | *13:43                                                                                                                                                      |
|    |    |    |    | 25 |    |    |    |    |    |    |    | –                  | *13:44, 13:86                                                                                                                                               |
|    |    | 23 | 24 |    | 26 |    | 28 |    |    |    |    | DR13               | *13:45                                                                                                                                                      |
|    |    | 23 | 24 |    |    |    |    |    |    |    |    | DR13, –            | *13:67, 13:103                                                                                                                                              |
|    |    | 23 |    | 25 |    |    |    |    |    |    |    | –                  | *13:85                                                                                                                                                      |
|    |    | 23 |    |    |    |    |    |    |    |    |    | –                  | *13:122                                                                                                                                                     |
|    |    |    | 24 | 25 |    |    |    |    |    |    |    | –                  | *13:129                                                                                                                                                     |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | DR                 | Well No.                                                                                                                                                    |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | DR                 | Well No.                                                                                                                                                    |
|    |    |    |    |    |    |    |    |    |    |    |    | ser <sup>5</sup>   | DRB1 allele <sup>4</sup>                                                                                                                                    |

|    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |                           |                                                                                                                                                                                                                                                                 |
|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|--|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |    |    |    |    | 26 | 27 | 28 |    |    |    |    |  |  |  |  | DR14, DR1404, DR4, DR6, – | *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, 14:117-14:118, 14:120, 14:122 |
|    |    |    |    |    |    | 27 | 28 |    |    |    |    |  |  |  |  | DR14, Null, –             | *14:01:03, 14:08, 14:23:02, 14:34, 14:72, 14:92N, 14:97                                                                                                                                                                                                         |
|    |    |    |    |    | 25 | 27 |    |    |    |    |    |  |  |  |  | DR14, DR6, –              | *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, 14:121                                                                                                               |
|    |    | 23 |    | 25 |    |    | 28 |    |    |    |    |  |  |  |  | DR 1403, DR14, DR6, –     | *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                                                                                                                                                                  |
|    |    |    |    | 25 |    | 27 | 28 |    |    |    |    |  |  |  |  | DR14, –                   | *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                                                                                                                                            |
|    |    | 23 | 24 |    | 26 | 27 | 28 |    |    |    |    |  |  |  |  | DR14                      | *14:11                                                                                                                                                                                                                                                          |
|    |    |    |    | 25 |    | 27 | 28 |    |    |    |    |  |  |  |  | DR6                       | *14:16                                                                                                                                                                                                                                                          |
|    |    |    |    | 25 |    | 27 | 28 |    |    |    |    |  |  |  |  | DR14, –                   | *14:18, 14:81                                                                                                                                                                                                                                                   |
|    |    | 23 |    | 25 |    | w  |    |    |    |    |    |  |  |  |  | DR14, –                   | *14:19, 14:21, 14:109                                                                                                                                                                                                                                           |
|    |    | 23 | 24 |    | 26 | 27 | 28 |    |    |    |    |  |  |  |  | DR14, –                   | *14:22, 14:105                                                                                                                                                                                                                                                  |
|    |    |    | 24 | 25 |    |    |    |    |    |    |    |  |  |  |  | DR14                      | *14:24                                                                                                                                                                                                                                                          |
|    |    | 23 | 24 |    | 26 |    | 28 |    |    |    |    |  |  |  |  | DR6, DR13, 14             | *14:25, 14:53                                                                                                                                                                                                                                                   |
|    |    | 23 | 24 | 25 |    |    | 28 |    |    |    |    |  |  |  |  | DR14                      | *14:27                                                                                                                                                                                                                                                          |
|    |    |    |    |    | 26 | 27 | 28 |    |    |    |    |  |  |  |  | DR14                      | *14:32:01-14:32:02                                                                                                                                                                                                                                              |
|    |    |    | 24 | 25 | 26 |    |    |    |    |    |    |  |  |  |  | DR14                      | *14:37                                                                                                                                                                                                                                                          |
|    |    |    |    | 25 |    |    | 28 |    |    |    |    |  |  |  |  | –                         | *14:42                                                                                                                                                                                                                                                          |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |  |  |  |  | DR                        | Well No.                                                                                                                                                                                                                                                        |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |  |  |  |  | DR                        | Well No.                                                                                                                                                                                                                                                        |
|    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  | ser <sup>5</sup>          | DRB1 allele <sup>4</sup>                                                                                                                                                                                                                                        |
|    |    |    |    |    |    | 27 |    |    |    |    |    |  |  |  |  | DR14                      | *14:46, 14:52                                                                                                                                                                                                                                                   |
|    |    |    |    |    | 26 | 27 | 28 |    |    |    |    |  |  |  |  | DR14, –                   | *14:49, 14:119                                                                                                                                                                                                                                                  |

|    |    |    |    |    |    |    |    |    |    |    |    |    |                                                                                   |                                                                               |
|----|----|----|----|----|----|----|----|----|----|----|----|----|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
|    |    |    |    |    | 26 | 27 | 28 |    |    |    |    |    | DR14                                                                              | *14:50                                                                        |
|    |    |    |    |    | 26 |    | 28 |    |    |    |    |    | DR14                                                                              | *14:58                                                                        |
|    |    |    |    | 25 |    | 27 | 28 |    |    |    |    |    | DR6                                                                               | *14:65                                                                        |
|    |    |    |    |    | 26 | 27 | 28 |    |    |    |    |    | DR14, –                                                                           | *14:68, 14:93                                                                 |
|    |    | 23 |    |    | 26 |    | 28 |    |    |    |    |    | –                                                                                 | *14:69                                                                        |
|    |    |    | 24 |    | 26 | 27 | 28 |    |    |    |    |    | –                                                                                 | *14:73                                                                        |
|    |    | 23 |    |    | 26 | 27 | 28 |    |    |    |    |    | –                                                                                 | *14:74                                                                        |
|    |    |    |    |    | 26 | 27 | 28 |    |    |    |    |    | –                                                                                 | *14:82                                                                        |
|    |    |    |    | 25 |    |    | 28 |    |    |    |    |    | –                                                                                 | *14:89                                                                        |
|    |    |    |    | 25 |    | 27 | 28 |    |    |    |    |    | –                                                                                 | *14:95                                                                        |
|    |    | 23 |    | 25 |    |    |    |    |    |    |    |    | –                                                                                 | *14:98                                                                        |
|    |    |    |    |    |    |    |    |    |    |    |    |    | DR15, DR2, Null, –                                                                | *15:01:01:01-15:20, 15:22-15:24, 15:26, 15:28-15:33, 15:35-15:65, 15:67-15:69 |
|    |    |    |    |    |    |    | w  |    |    |    |    |    | DR2                                                                               | *15:21                                                                        |
|    |    |    |    |    |    |    |    |    |    |    |    |    | –                                                                                 | *15:25                                                                        |
|    |    |    |    |    |    | 27 |    |    |    |    |    |    | –                                                                                 | *15:27, 15:34, 15:66                                                          |
|    |    |    |    |    |    |    |    |    |    |    |    |    | DR16, Null, –                                                                     | *16:01:01-16:03, 16:05:01-16:05:02, 16:07-16:17, 16:19                        |
|    |    |    |    |    |    |    | w  |    |    |    |    |    | DR16, –                                                                           | *16:04, 16:18                                                                 |
|    |    |    |    |    |    |    |    | 29 |    |    |    |    | DRB3*01:01:02:01-01:15, DR52, – DRB3*02:01-02:26, DRB3*02:28, DRB3*03:01:01-03:03 |                                                                               |
|    |    | 23 |    |    |    |    |    | 29 |    |    |    |    | –                                                                                 | DRB3*02:27                                                                    |
|    |    |    |    |    |    |    |    |    | 30 |    |    |    | DRB4*01:01:01:01-01:03:01:01, 01:03:01:03-01:08                                   |                                                                               |
|    |    |    |    |    | 26 |    |    |    | 30 |    |    |    | Null                                                                              | DRB4*01:03:01:02N                                                             |
|    |    |    |    |    |    |    |    |    |    | 31 |    |    | DR51, Null, –                                                                     | DRB5*01:01:01-01:14, DRB5*02:02-02:05                                         |
|    |    |    |    |    |    |    |    |    |    |    |    |    | ser <sup>5</sup>                                                                  | DRB1 allele <sup>4</sup>                                                      |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | DR |                                                                                   | Well No.                                                                      |