

| INTERPRETATION TABLE                                           |  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |     |                  |  |
|----------------------------------------------------------------|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|-----|------------------|--|
| DR low resolution SSP typing                                   |  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |     |                  |  |
| Amplification patterns of the DRB1*01:01 to DRB1*10:05 alleles |  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |     |                  |  |
|                                                                |  | Well <sup>6</sup>   |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |     |                  |  |
|                                                                |  | 73                  | 74                  | 75                  | 76                  | 77                  | 78                  | 79                  | 80                  | 81                  | 82                  | 83                  | 84                  | 85                  | 86                  | 87                  | 88                  | 89                  | 90                  | 91                  | 92                  | 93                  | 94                  | 95                  | 96  |                  |  |
| Length of spec.                                                |  | 205                 | 200                 | 200                 | 210                 | 220                 | 120                 | 80                  | 85                  | 100                 | 210                 | 170                 | 90                  | 175                 | 100                 | 85                  | 215                 | 195                 | 175                 | 100                 | 110                 | 110                 | 160                 | 215                 | 175 | Negative Control |  |
| PCR product(s)                                                 |  | 255                 |                     | 220                 |                     |                     | 210                 | 210                 |                     |                     | 235                 | 135                 |                     |                     | 105                 |                     | 215                 | 225                 |                     | 155                 | 140                 | 135                 | 175                 |                     |     |                  |  |
|                                                                |  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |     |                  |  |
| Length of int. pos. control <sup>1</sup>                       |  | 515                 | 430                 | 430                 | 430                 | 430                 | 430                 | 430                 | 430                 | 430                 | 430                 | 515                 | 250                 | 180                 | 430                 | 430                 | 430                 | 430                 | 430                 | 430                 | 430                 | 430                 | 430                 | 430                 | 430 |                  |  |
| 5'-primer(s) <sup>2</sup>                                      |  | 12(124)             | 14(129)             | 13(126)             | 13(126)             | 13(125)             | 13(125)             | 13(125)             | 13(125)             | 13(127)             | 15(133)             | 26(165)             | 26(164)             | 13(125)             | 15(133)             | 10(116)             | 10(116)             | 13(125)             | 1st I               | 26(164)             | 13(125)             | 10(116)             | 28(170)             | 13(125)             |     |                  |  |
|                                                                |  | 5'-A.T <sup>3</sup> | 5'-gAA <sup>3</sup> | 5'-Agg <sup>3</sup> | 5'-Agg <sup>3</sup> | 5'-gTC <sup>3</sup> | 5'-gTC <sup>3</sup> | 5'-gTC <sup>3</sup> | 5'-ACA <sup>3</sup> | 5'-ATA <sup>3</sup> | 5'-gTT <sup>3</sup> | 5'-TAT <sup>3</sup> | 5'-gTA <sup>3</sup> | 5'-gTC <sup>3</sup> | 5'-gTT <sup>3</sup> | 5'-gCT <sup>3</sup> | 5'-gCT <sup>3</sup> | 5'-gTC <sup>3</sup> | 5'-CAA <sup>3</sup> | 5'-gTA <sup>3</sup> | 5'-gTC <sup>3</sup> | 5'-gCT <sup>3</sup> | 5'-gAT <sup>3</sup> | 5'-gTA <sup>3</sup> |     |                  |  |
|                                                                |  | 14(129)             |                     | 13(126)             | 13(126)             | 47(227)             | 15(133)             |                     | 13(125)             | 13(127)             | 15(133)             | 58(261)             | 30(178)             | 15(133)             |                     | 12(122)             | 12(122)             |                     | 37(197)             | 34(189)             | 34(189)             | 10(116)             |                     |                     |     |                  |  |
|                                                                |  | 5'-gAA <sup>3</sup> |                     | 5'-AAg <sup>3</sup> | 5'-AAg <sup>3</sup> | 5'-gTT <sup>3</sup> | 5'-gTT <sup>3</sup> |                     | 5'-ACC <sup>3</sup> | 5'-ATA <sup>3</sup> | 5'-gTT <sup>3</sup> | 5'-gAg <sup>3</sup> | 5'-gCg <sup>3</sup> | 5'-gTC <sup>3</sup> |                     | 5'-TAT <sup>3</sup> | 5'-TAT <sup>3</sup> |                     | 5'-gTT <sup>3</sup> | 5'-CAg <sup>3</sup> | 5'-CAg <sup>3</sup> | 5'-gCT <sup>3</sup> |                     |                     |     |                  |  |
|                                                                |  |                     |                     |                     |                     |                     |                     |                     | 5'-ATA <sup>3</sup> | 5'-gTA <sup>3</sup> |                     |                     |                     | 5'-CgT <sup>3</sup> |                     | 5'-gTC <sup>3</sup> | 5'-gTC <sup>3</sup> |                     | 5'-gTA <sup>3</sup> |                     | 5'-AgC <sup>3</sup> | 5'-TCC <sup>3</sup> |                     |                     |     |                  |  |
|                                                                |  |                     |                     |                     |                     |                     |                     |                     | 5'-gTC <sup>3</sup> | 5'-gTT <sup>3</sup> | 15(133)             |                     |                     |                     |                     |                     | 15(133)             | 5'-gTT <sup>3</sup> |                     |                     |                     |                     |                     |                     |     |                  |  |
|                                                                |  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     | 15(133)             |                     |                     |                     |                     |                     |                     |                     |     |                  |  |
|                                                                |  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     | 5'-gTC <sup>3</sup> |                     |                     |                     |                     |                     |                     |                     |     |                  |  |
| 3'-primer(s) <sup>3</sup>                                      |  | 66(286)             | 66(286)             | 66(286)             | 66(286)             | 73(305)             | 26(164)             | 28(171)             | 32(184)             | 70(298)             | 58(260)             | 57(257)             | 73(307)             | 58(260)             | 29(175)             | 69(295)             | 66(286)             | 58(260)             | 42(213)             | 57(257)             | 57(257)             | 51(239)             | 86(346)             | 57(258)             |     |                  |  |
|                                                                |  | 5'-gAg <sup>3</sup> | 5'-gAT <sup>3</sup> | 5'-gAT <sup>3</sup> | 5'-gAA <sup>3</sup> | 5'-ggC <sup>3</sup> | 5'-ggT <sup>3</sup> | 5'-CTC <sup>3</sup> | 5'-gTg <sup>3</sup> | 5'-CTC <sup>3</sup> | 5'-CCT <sup>3</sup> | 5'-CgA <sup>3</sup> | 5'-CgC <sup>3</sup> | 5'-CCT <sup>3</sup> | 5'-gTg <sup>3</sup> | 5'-gTC <sup>3</sup> | 5'-gAA <sup>3</sup> | 5'-Cgg <sup>3</sup> | 5'-TCA <sup>3</sup> | 5'-CAg <sup>3</sup> | 5'-CAg <sup>3</sup> | 5'-CCC <sup>3</sup> | 5'-CTC <sup>3</sup> | 5'-gCg <sup>3</sup> |     |                  |  |
|                                                                |  | 66(286)             |                     | 69(295)             | 66(286)             | 73(305)             | 71(299)             | 69(295)             | 58(260)             | 73(305)             | 73(307)             | 73(305)             |                     | 58(260)             | 37(199)             | 71(299)             | 70(298)             | 58(260)             | 57(257)             | 69(295)             | 59(265)             | 77(317)             | 86(346)             | 58(260)             |     |                  |  |
|                                                                |  | 5'-gAg <sup>3</sup> |                     | 5'-CTg <sup>3</sup> | 5'-gAg <sup>3</sup> | 5'-ggC <sup>3</sup> | 5'-gCT <sup>3</sup> | 5'-CTg <sup>3</sup> | 5'-Cgg <sup>3</sup> | 5'-ggC <sup>3</sup> | 5'-CAg <sup>3</sup> | 5'-ggC <sup>3</sup> |                     | 5'-CCT <sup>3</sup> | 5'-CAg <sup>3</sup> | 5'-gCT <sup>3</sup> | 5'-CgC <sup>3</sup> | 5'-CAg <sup>3</sup> | 5'-CAg <sup>3</sup> | 5'-CTg <sup>3</sup> | 5'-gTg <sup>3</sup> | 5'-AAT <sup>3</sup> | 5'-CTT <sup>3</sup> | 5'-CCT <sup>3</sup> |     |                  |  |
|                                                                |  | 66(286)             |                     | 69(295)             | 70(297)             | 74(308)             |                     |                     |                     | 77(317)             | 86(344)             | 77(319)             |                     | 58(260)             |                     | 71(299)             | 70(298)             |                     | 70(298)             | 70(296)             | 70(296)             |                     |                     |                     |     |                  |  |
|                                                                |  | 5'-gAT <sup>3</sup> | 5'-Tg <sup>3</sup>  | 5'-CTg <sup>3</sup> | 5'-CCC <sup>3</sup> |                     |                     |                     |                     | 5'-AAT <sup>3</sup> | 5'-CAC <sup>3</sup> | 5'-CAC <sup>3</sup> |                     | 5'-CCT <sup>3</sup> |                     | 5'-ACT <sup>3</sup> | 5'-CTC <sup>3</sup> |                     | 5'-CgC <sup>3</sup> | 5'-TCC <sup>3</sup> | 5'-TCC <sup>3</sup> |                     |                     |                     |     |                  |  |
| 70(297)                                                        |  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |     |                  |  |
| 70(298)                                                        |  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |     |                  |  |
| 71(301)                                                        |  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |     |                  |  |
|                                                                |  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |     |                  |  |
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|                                                                |  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |     |                  |  |
|                                                                |  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |     |                  |  |
|                                                                |  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |     |                  |  |
|                                                                |  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |     |                  |  |
|                                                                |  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |     |                  |  |
|                                                                |  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |     |                  |  |
|                                                                |  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |     |                  |  |
|                                                                |  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |     |                  |  |
|                                                                |  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |     |                  |  |
|                                                                |  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |     |                  |  |
|                                                                |  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |     |                  |  |
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|                                                                |  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |     |                  |  |
|                                                                |  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |     |                  |  |
|                                                                |  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |     |                  |  |
|                                                                |  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |     |                  |  |
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|                                                                |  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |     |                  |  |
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|                                                                |  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |     |                  |  |
|                                                                |  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |     |                  |  |
|                                                                |  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |     |                  |  |
|                                                                |  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |     |                  |  |
|                                                                |  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |     |                  |  |
|                                                                |  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |     |                  |  |
|                                                                |  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |     |                  |  |



[illegible]

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| *11:89                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -                         |    |    |    |    |    |    |    |    |    |    |    |    | 85 |    |    |    |    |    | 92 |    |    |    |    |    |
| *12:01:01-12:01:05, 12:03:02-12:03:03, 12:05-12:12, 12:14, 12:17, 12:24N-12:25, 12:28-12:30, 12:34-12:36, 12:38                                                                                                                                                                                                                                                                                                                                        | DR12, Null, -             |    |    |    |    |    |    |    |    |    |    |    |    | 86 |    |    |    |    |    |    |    |    |    |    |    |
| *12:02:01-12:02:05, 12:13, 12:15, 12:18-12:21, 12:23, 12:26-12:27, 12:31N-12:33, 12:37                                                                                                                                                                                                                                                                                                                                                                 | DR12, Null, -             |    |    |    |    |    |    |    |    |    |    |    |    | 86 |    | 88 |    |    |    |    |    |    |    |    |    |
| *12:04, 12:39                                                                                                                                                                                                                                                                                                                                                                                                                                          | DR12, -                   |    |    |    |    |    |    |    |    | 82 |    |    |    | 86 |    |    |    |    |    |    |    |    |    |    |    |
| *12:16:01-12:16:02                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                         |    |    |    |    |    |    |    |    | 82 |    |    |    | 86 |    | 88 |    |    |    |    |    |    |    |    |    |
| *12:22                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -                         |    |    |    |    |    |    |    |    | 81 | 82 |    |    | 86 |    |    |    |    |    |    |    |    |    |    |    |
| *13:01:01-13:02:01, 13:02:03-13:02:08, 13:04, 13:08, 13:16, 13:20, 13:22-13:24, 13:28-13:29, 13:31-13:32, 13:34-13:36, 13:38-13:40, 13:48, 13:51-13:52, 13:54, 13:59, 13:61:01-13:61:02, 13:63-13:65, 13:68-13:70, 13:72-13:76, 13:78-13:80, 13:83-13:84, 13:87, 13:91-13:93, 13:96:01-13:99, 13:102, 13:105-13:107, 13:109, 13:111-13:114, 13:117, 13:121, 13:123-13:128, 13:130-13:131, 13:135, 13:138-13:143, 13:145, 13:147-13:149, 13:153, 13:155 | DR13, DR11, DR14, Null, - |    |    |    |    |    |    |    |    | 78 |    |    |    |    |    | 87 | 88 | 89 |    |    |    |    |    |    |    |
| *13:02:02                                                                                                                                                                                                                                                                                                                                                                                                                                              | DR13                      |    |    |    |    |    |    |    |    | 78 |    |    |    |    |    |    |    | 89 |    |    |    |    |    |    |    |
| *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, 13:94:01-13:95, 13:101, 13:115, 13:120, 13:133, 13:137N, 13:151-13:152                                                                                                                                                                                                                                                                                     | DR13, Null, -             |    |    |    |    |    |    |    |    | 78 |    |    |    |    |    | 87 |    | 89 |    |    |    |    |    |    |    |
| *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, 13:136, 13:150                                                                                                                                                                                                                                                                            | DR13, DR13/DR11, DR6, -   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 87 | 88 | 89 |    |    |    |    |    |    |    |
| Well No.                                                                                                                                                                                                                                                                                                                                                                                                                                               | DR                        | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 |
| Well No.                                                                                                                                                                                                                                                                                                                                                                                                                                               | DR                        | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 |
| DRB1 allele <sup>4</sup>                                                                                                                                                                                                                                                                                                                                                                                                                               | ser <sup>5</sup>          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

Negative Control

|                                                                                                                                                                                                                                                                                                                                       |                               |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| *13:06, 13:12:01-13:12:03, 13:25, 13:30, 13:56, 13:58, 13:60, 13:77, 13:82, 13:110, 13:118, 13:134, 13:157, 13:161                                                                                                                                                                                                                    | DR13, DR11, DR6, -            |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 87 | 89 |    |    |    |    |    |    |    |    |
| *13:09                                                                                                                                                                                                                                                                                                                                | DR13                          |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 88 | 89 |    |    |    |    |    |    |    |    |
| *13:13, 13:119, 13:154, 13:156, 14:84, 14:116 <sup>10</sup>                                                                                                                                                                                                                                                                           | DR13, -                       |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 87 | 89 |    |    | 92 |    |    |    |    |    |
| *13:15, 13:19, 13:53, 13:57, 13:104                                                                                                                                                                                                                                                                                                   | DR13, -                       |    |    |    |    | 78 | 79 |    |    |    |    |    |    |    |    | 87 | 88 | 89 |    |    |    |    |    |    |    |
| *13:17, 13:116                                                                                                                                                                                                                                                                                                                        | DR13, -                       |    |    |    |    | 78 |    |    | 81 |    |    |    |    |    |    | 88 |    |    |    |    |    |    |    |    |    |
| *13:26:01-13:26:02                                                                                                                                                                                                                                                                                                                    | DR14, -                       |    |    |    |    |    | 79 |    |    |    |    |    |    |    |    | 87 | 88 | 89 |    |    |    |    |    |    |    |
| *13:27, 13:41, 13:71                                                                                                                                                                                                                                                                                                                  | DR13                          |    |    |    |    | 78 |    |    |    |    |    | 84 |    |    |    | 87 | 88 | 89 |    |    |    |    |    |    |    |
| *13:43, 13:159                                                                                                                                                                                                                                                                                                                        | DR13, -                       |    |    |    |    | 78 |    |    |    |    |    |    |    |    |    | 87 | 88 |    |    | 91 | 92 |    |    |    |    |
| *13:44, 13:86                                                                                                                                                                                                                                                                                                                         | -                             |    |    |    |    |    | 79 |    |    |    |    |    |    |    |    |    |    | 89 |    |    |    |    |    |    |    |
| *13:45                                                                                                                                                                                                                                                                                                                                | DR13                          |    |    |    |    | 78 |    |    |    |    |    |    |    |    |    | 87 | 88 |    | 90 |    | 92 |    |    |    |    |
| *13:67, 13:103, 13:160                                                                                                                                                                                                                                                                                                                | DR13, -                       |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 87 | 88 |    |    |    |    |    |    |    |    |
| *13:85                                                                                                                                                                                                                                                                                                                                | -                             |    |    |    |    | 78 | 79 |    |    |    |    |    |    |    |    | 87 |    | 89 |    |    |    |    |    |    |    |
| *13:122                                                                                                                                                                                                                                                                                                                               | -                             |    |    |    |    | 78 |    |    |    |    |    |    |    |    |    | 87 |    |    |    |    |    |    |    |    |    |
| *13:129                                                                                                                                                                                                                                                                                                                               | -                             |    |    |    |    | 78 |    |    |    |    |    | 84 |    |    |    |    | 88 | 89 |    |    |    |    |    |    |    |
| *13:144                                                                                                                                                                                                                                                                                                                               | -                             |    |    |    |    | 78 |    |    |    |    |    |    |    |    |    | 87 | 88 | 89 |    |    | 92 |    |    |    |    |
| *13:146                                                                                                                                                                                                                                                                                                                               | -                             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 88 | 89 |    |    | 92 |    |    |    |    |
| *14:01:01-14:01:02, 14:01:04, 14:04, 14:07:01-14:07:02, 14:10, 14:26, 14:28, 14:31, 14:32:03, 14:35, 14:38-14:39, 14:54:01, 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, 14:124-14:125, 14:129, 14:131, 14:138-14:140 | DR14, DR1404/DR14, DR4/DR6, - |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *14:01:03, 14:08, 14:23:02, 14:34, 14:54:02, 14:72, 14:92N, 14:97, 14:126, 14:130, 14:133                                                                                                                                                                                                                                             | DR14, Null, -                 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 91 | 92 |    |    |    |    |
| *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                                                                                                                                                                                     | DR14, DR6, -                  |    |    |    |    |    |    | 79 |    |    |    |    |    |    |    |    |    | 89 |    | 91 |    |    |    |    |    |
| *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, 14:135                                                                                                                                                                                                                                | DR1403/DR14, DR6, -           |    |    |    |    |    |    | 79 |    |    |    |    |    |    |    | 87 |    | 89 |    |    | 92 |    |    |    |    |
| Well No.                                                                                                                                                                                                                                                                                                                              | DR                            | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 |
| Negative Control                                                                                                                                                                                                                                                                                                                      |                               |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

| Well No.                                                                                                                                                           | DR                 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| DRB1 allele <sup>4</sup>                                                                                                                                           | ser <sup>5</sup>   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *14:05:01-14:05:04, 14:14, 14:23:01, 14:23:03-14:23:04, 14:36, 14:43-14:45, 14:56, 14:59, 14:64, 14:91, 14:96, 14:100, 14:103, 14:123, 14:127:01-14:127:02, 14:134 | DR14, -            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 89 |    | 91 | 92 |    |    |    |    |
| *14:11                                                                                                                                                             | DR14               |    |    |    |    |    |    |    |    | 82 |    |    |    |    |    |    |    |    |    | 91 | 92 |    |    |    |    |
| *14:16                                                                                                                                                             | DR6                |    |    |    |    |    | 78 |    |    |    |    |    |    |    |    | 87 | 88 |    | 90 | 91 | 92 |    |    |    |    |
| *14:18, 14:81                                                                                                                                                      | DR14, -            |    |    |    |    |    |    | 79 |    |    |    |    |    |    |    |    |    | 89 |    | 91 | 92 |    |    |    |    |
| *14:19, 14:21, 14:109                                                                                                                                              | DR14, -            |    |    |    |    |    | 78 | 79 |    |    |    |    |    |    |    | 87 |    | 89 |    | w  |    |    |    |    |    |
| *14:22, 14:105                                                                                                                                                     | DR14, -            |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 87 | 88 |    | 90 | 91 | 92 |    |    |    |    |
| *14:24                                                                                                                                                             | DR14               |    |    |    |    |    |    | 79 |    |    |    |    |    |    |    |    | 88 | 89 |    |    |    |    |    |    |    |
| *14:25, 14:53, 14:128                                                                                                                                              | DR6, DR13/14, -    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 87 | 88 |    | 90 |    | 92 |    |    |    |    |
| *14:27                                                                                                                                                             | DR14               |    |    |    |    |    |    | 79 |    |    |    |    |    |    |    | 87 | 88 | 89 |    |    | 92 |    |    |    |    |
| *14:32:01-14:32:02                                                                                                                                                 | DR14               |    |    |    |    |    |    | w  |    |    |    |    |    |    |    |    |    |    | 90 | 91 | 92 |    |    |    |    |
| *14:37                                                                                                                                                             | DR14               |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 88 | 89 | 90 |    |    |    |    |    |    |
| *14:42, 14:136                                                                                                                                                     | -                  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 89 |    |    | 92 |    |    |    |    |
| *14:46, 14:52                                                                                                                                                      | DR14               |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 91 |    |    |    |    |    |
| *14:49, 14:119                                                                                                                                                     | DR14, -            |    |    |    |    |    |    | 79 |    |    |    |    |    |    |    |    |    |    | 90 | 91 | 92 |    |    |    |    |
| *14:50                                                                                                                                                             | DR14               |    |    |    |    |    |    |    |    | 81 |    |    |    |    |    |    |    |    | 90 | 91 | 92 |    |    |    |    |
| *14:58                                                                                                                                                             | DR14               |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 90 |    | 92 |    |    |    |    |
| *14:65                                                                                                                                                             | DR6                |    |    |    |    |    |    | w  |    |    |    |    |    |    |    |    |    | 89 |    | 91 | 92 |    |    |    |    |
| Well No.                                                                                                                                                           | DR                 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 |
| Well No.                                                                                                                                                           | DR                 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 |
| DRB1 allele <sup>4</sup>                                                                                                                                           | ser <sup>5</sup>   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *14:68, 14:93                                                                                                                                                      | DR14, -            |    |    |    |    |    |    |    |    | 82 |    |    |    |    |    |    |    |    | 90 | 91 | 92 |    |    |    |    |
| *14:69                                                                                                                                                             | -                  |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 87 |    |    | 90 |    | 92 |    |    |    |    |
| *14:73                                                                                                                                                             | -                  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 88 |    | 90 | 91 | 92 |    |    |    |    |
| *14:74                                                                                                                                                             | -                  |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 87 |    |    | 90 | 91 | 92 |    |    |    |    |
| *14:82                                                                                                                                                             | -                  |    |    |    |    |    | 78 |    |    |    |    |    |    |    |    |    |    |    | 90 | 91 | 92 |    |    |    |    |
| *14:89                                                                                                                                                             | -                  |    |    |    |    |    |    | 79 |    |    |    |    |    |    |    |    |    | 89 |    |    | 92 |    |    |    |    |
| *14:95                                                                                                                                                             | -                  |    |    |    |    |    | 78 |    |    |    |    |    |    |    |    |    |    | 89 |    | 91 | 92 |    |    |    |    |
| *14:98                                                                                                                                                             | -                  |    |    |    |    |    |    | 79 |    |    |    |    |    |    |    | 87 |    | 89 |    |    |    |    |    |    |    |
| *14:132                                                                                                                                                            | -                  |    |    |    |    |    | 78 |    |    |    |    |    |    |    |    |    |    |    |    | 91 | 92 |    |    |    |    |
| *14:137N                                                                                                                                                           | Null               |    |    |    |    |    | 78 |    |    |    |    |    |    |    |    | 87 |    |    | 90 | 91 | 92 |    |    |    |    |
| *15:01:01:01-15:20, 15:22-15:24, 15:26, 15:28-15:33, 15:35-15:65, 15:67-15:94                                                                                      | DR15, DR2, Null, - |    |    | 75 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *15:21                                                                                                                                                             | DR2                |    |    | 75 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | w  |    |    |    |    |
| *15:25                                                                                                                                                             | -                  |    |    | 75 |    | 77 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *15:27, 15:34, 15:66                                                                                                                                               | -                  |    |    | 75 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 91 |    |    |    |    |    |
| *16:01:01-16:03, 16:05:01-16:05:02, 16:07-16:17, 16:19-16:23                                                                                                       | DR16, Null, -      |    |    |    | 76 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *16:04, 16:18                                                                                                                                                      | DR16, -            |    |    |    | 76 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | w  |    |    |    |    |

[illegible]