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|                                                                                                                                                                                                                                                                                                                                    |                       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| *13:122                                                                                                                                                                                                                                                                                                                            | -                     |    |    |    |    |    |    |    |    | 78 |    |    |    |    |    | 87 |    |    |    |    |    |    |    |    |    |
| *13:129                                                                                                                                                                                                                                                                                                                            | -                     |    |    |    |    |    |    |    |    | 78 |    |    |    |    | 84 |    | 88 | 89 |    |    |    |    |    |    |    |
| *14:01:01-14:01:02, 14:04,<br>14:07:01-14:07:02, 14:10,<br>14:26, 14:28, 14:31, 14:35,<br>14:38-14:39, 14:54:01, 14:55,<br>14:57, 14:60-14:62, 14:70-<br>14:71, 14:75-14:76, 14:79,<br>14:86-14:88, 14:90, 14:99,<br>14:101, 14:104, 14:107,<br>14:110-14:114, 14:117-14:118,<br>14:120, 14:122, 14:124-<br>14:125, 14:129, 14:131 | DR14(6),<br>DR1404, - |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 90 | 91 | 92 |    |    |    |    |    |
| *14:01:03, 14:08, 14:23:02,<br>14:34, 14:54:02, 14:72,<br>14:92N, 14:97, 14:126, 14:130                                                                                                                                                                                                                                            | DR14(6),<br>Null, -   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 91 | 92 |    |    |    |    |    |
| *14:02, 14:06:01-14:06:02,<br>14:09, 14:13, 14:17, 14:20,<br>14:29-14:30, 14:33, 14:41,<br>14:47-14:48, 14:51, 14:80,<br>14:83, 14:94, 14:106, 14:108,<br>14:121                                                                                                                                                                   | DR14(6),<br>DR6, -    |    |    |    |    |    |    |    |    | 79 |    |    |    |    |    |    |    | 89 |    | 91 |    |    |    |    |    |
| *14:03:01-14:03:02, 14:12:01-<br>14:12:02, 14:40, 14:63, 14:67,<br>14:77-14:78, 14:85, 14:102,<br>14:115                                                                                                                                                                                                                           | DR1403,<br>DR14(6), - |    |    |    |    |    |    |    |    | 79 |    |    |    |    |    | 87 |    | 89 |    |    | 92 |    |    |    |    |
| *14:05:01-14:05:04, 14:14,<br>14:23:01, 14:23:03, 14:36,<br>14:43-14:45, 14:56, 14:59,<br>14:64, 14:91, 14:96, 14:100,<br>14:103, 14:123, 14:127                                                                                                                                                                                   | DR14(6), -            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 89 |    | 91 | 92 |    |    |    |    |
| *14:11                                                                                                                                                                                                                                                                                                                             | DR14(6)               |    |    |    |    |    |    |    |    |    |    | 82 |    |    |    |    |    |    |    | 91 | 92 |    |    |    |    |
| *14:16                                                                                                                                                                                                                                                                                                                             | DR6                   |    |    |    |    |    |    |    |    | 78 |    |    |    |    |    |    | 87 | 88 |    | 90 | 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>      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *14:18, 14:81                                                                                                                                                                                                                                                                                                                      | DR6, -                |    |    |    |    |    |    | 79 |    |    |    |    |    |    |    |    |    | 89 |    | 91 | 92 |    |    |    |    |
| *14:19, 14:21, 14:109                                                                                                                                                                                                                                                                                                              | DR14(6), -            |    |    |    |    |    |    | 78 | 79 |    |    |    |    |    |    | 87 |    | 89 |    | w  |    |    |    |    |    |
| *14:22, 14:105                                                                                                                                                                                                                                                                                                                     | DR14(6), -            |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 87 | 88 |    | 90 | 91 | 92 |    |    |    |    |
| *14:24                                                                                                                                                                                                                                                                                                                             | -                     |    |    |    |    |    |    | 79 |    |    |    |    |    |    |    |    | 88 | 89 |    |    |    |    |    |    |    |
| *14:25, 14:53, 14:128                                                                                                                                                                                                                                                                                                              | DR13(6), -            |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 87 | 88 |    | 90 |    | 92 |    |    |    |    |
| *14:27                                                                                                                                                                                                                                                                                                                             | DR14(6)               |    |    |    |    |    |    | 79 |    |    |    |    |    |    |    | 87 | 88 | 89 |    |    | 92 |    |    |    |    |
| *14:32:01-14:32:02                                                                                                                                                                                                                                                                                                                 | -                     |    |    |    |    |    |    | w  |    |    |    |    |    |    |    |    |    |    | 90 | 91 | 92 |    |    |    |    |
| *14:37                                                                                                                                                                                                                                                                                                                             | -                     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 88 | 89 | 90 |    |    |    |    |    |    |
| *14:42                                                                                                                                                                                                                                                                                                                             | -                     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 89 |    |    | 92 |    |    |    |    |
| *14:46, 14:52                                                                                                                                                                                                                                                                                                                      | -                     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 91 |    |    |    |    |    |

|                                                                                  |                       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|----------------------------------------------------------------------------------|-----------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| *14:49, 14:119                                                                   | DR14(6), -            |    |    |    |    |    |    | 79 |    |    |    |    |    |    |    |    | 90 | 91 | 92 |    |    |    |    |    |    |
| *14:50                                                                           | DR14(6)               |    |    |    |    |    |    |    | 81 |    |    |    |    |    |    |    | 90 | 91 | 92 |    |    |    |    |    |    |
| *14:58                                                                           | -                     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 90 |    | 92 |    |    |    |    |    |    |
| *14:65                                                                           | -                     |    |    |    |    |    |    | w  |    |    |    |    |    |    |    |    | 89 |    | 91 | 92 |    |    |    |    |    |
| *14:68, 14:93                                                                    | -                     |    |    |    |    |    |    |    | 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 |    |    |    |    |    |    |    |    |
| *15:01:01:01-15:20, 15:22-15:24, 15:26, 15:28-15:33, 15:35-15:65, 15:67-15:81    | DR15(2), DR2, Null, - |    |    | 75 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *15:21                                                                           | -                     |    |    | 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                           | DR16(2), DR2, Null, - |    |    |    | 76 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *16:04, 16:18                                                                    | DR16(2), -            |    |    |    | 76 |    |    |    |    |    |    |    |    |    |    |    |    |    | w  |    |    |    |    |    |    |
| DRB3*01:01:02:01-01:15, DRB3*02:01-02:26, DRB3*02:28-02:29N, DRB3*03:01:01-03:03 | DR52, Null, -         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 93 |    |    |    |    |
| DRB3*02:27                                                                       | -                     |    |    |    |    |    |    |    |    |    |    |    |    | 87 |    |    |    |    |    |    | 93 |    |    |    |    |
| DRB4*01:01:01:01-01:03:01:01, DRB4*01:03:01:03-01:08                             | DR53, -               |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 94 |    |    |    |
| DRB4*01:03:01:02N                                                                | Null                  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 90 |    |    |    |    | 94 |    |    |    |
| DRB5*01:01:01-01:14, DRB5*02:02-02:06                                            | DR51, Null, -         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 95 |    |    |
| 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

Negative Control