

| Well No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| DRB1 allele <sup>1,2,5</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ser <sup>3</sup>    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *01:01:01:01:01:02:14, 01:04:01:01:38, 01:40N-01:41, 01:43-01:60, 01:62:01N-01:88, 01:90-01:98, 01:100-01:101, 01:103-01:111, 01:113-01:126, 01:128-01:138, 01:140-01:154                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DR1, Null, -        | 73 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *01:03:01:01:01:03:05, 01:39N, 01:99, 01:102, 01:112, 01:127                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | DR1, DR103, Null, - |    | 74 |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *01:42, 01:61, 01:89                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                   | 73 | 74 |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *01:139                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -                   | 73 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *03:01:01:01:03:01:05, 03:01:07-03:01:08, 03:01:10-03:01:23, 03:01:25-03:01:41, 03:04:01-03:06, 03:09, 03:11:01, 03:11:03-03:16, 03:18-03:20, 03:22-03:23, 03:25:01-03:26, 03:28, 03:30-03:31, 03:33-03:34, 03:36-03:37, 03:43-03:45, 03:47-03:48, 03:50-03:52:02, 03:54-03:63, 03:66-03:68N, 03:70-03:73, 03:75, 03:77-03:86, 03:89, 03:91, 03:93, 03:95-03:96, 03:98-03:100:02, 03:104, 03:106-03:110, 03:112-03:114, 03:116-03:118, 03:121-03:124, 03:127-03:129, 03:132-03:139, 03:141-03:149, 03:151-03:153, 03:158-03:161, 03:163-03:166, 03:168-03:170, 03:172, 03:175, 03:180-03:184, 03:186-03:187, 03:191-03:205, 03:207-03:210, 03:214, 03:216-03:217 | DR3, DR17, Null, -  |    |    |    |    | 77 | 78 |    |    |    |    |    |    |    |    |    |
| *03:01:06, 03:01:09, 03:46, 03:64, 03:92, 03:111, 03:130, 03:156N, 03:162, 03:189N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | DR17, Null, -       |    |    |    |    | 77 | 78 |    |    |    |    |    |    |    |    |    |
| *03:01:24, 03:07:01:01:03:07:02, 03:17, 03:21, 03:24, 03:32, 03:35, 03:39-03:41:02, 03:49, 03:94, 03:97, 03:101, 03:105, 03:120, 03:150, 03:155, 03:171, 03:178, 03:185, 03:188, 03:213                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DR3, -              |    |    |    |    | 77 |    |    |    |    |    |    |    |    |    |    |
| *03:02:01:01:03:03, 03:27, 03:29, 03:38, 03:53, 03:74, 03:88, 03:90, 03:102-03:103, 03:115, 03:119, 03:131, 03:154, 03:167, 03:176, 03:179, 03:206, 03:212, 03:215                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | DR3, DR18, -        |    |    |    |    | 77 |    | 79 |    |    |    |    |    |    |    |    |
| *03:08, 03:65, 03:140                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | DR3, -              |    |    |    |    | 77 | 78 |    |    |    | 83 |    |    | 85 |    |    |
| *03:10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | DR3                 |    |    |    |    | 77 | 78 |    |    |    |    |    |    |    |    |    |
| *03:42, 03:69, 03:87, 03:173, 03:190                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                   |    |    |    |    | 77 |    |    |    |    |    |    |    |    |    |    |
| *03:76, 03:174N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Null, -             |    |    |    |    | 77 | 78 |    |    |    |    | 84 |    |    |    | 87 |
| *03:125                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -                   |    |    |    |    | 77 | 78 |    |    |    |    | 84 |    |    |    | 87 |
| *03:126, 13:193 <sup>4</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                   |    |    |    |    |    | 78 | 79 |    |    |    |    |    |    |    |    |
| *03:157                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -                   |    |    |    |    | 77 | 78 |    |    |    |    |    |    |    |    |    |
| *03:177                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -                   |    |    |    |    | 77 | 78 | 79 |    |    |    |    |    |    |    |    |
| *03:211                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -                   |    |    |    |    | 77 |    | 79 |    |    |    |    |    |    |    |    |
| *03:218N, 13:176 <sup>4</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Null, -             |    |    |    |    |    | 78 |    |    |    |    | 84 |    |    |    | 87 |
| *04:01:01:01:04:05:11, 04:05:13-04:61, 04:63-04:68, 04:70-04:72:02, 04:74:01-04:104, 04:106-04:121, 04:123-04:145, 04:147-04:161, 04:163-04:210, 04:212N-04:250, 04:252-04:283, 04:285-04:381, 04:383-04:389N                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DR4, DR3, Null, -   |    |    |    |    |    |    |    | 80 |    |    |    |    |    |    |    |
| *04:62, 04:69, 04:73:01-04:73:02, 04:105:01-04:105:02, 04:122, 04:146, 04:162, 04:251, 04:284:01-04:284:02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | DR4, -              |    |    |    |    |    |    |    | 80 |    |    |    |    |    |    |    |
| *04:211                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -                   |    |    |    |    |    |    |    | 80 |    |    |    |    |    |    |    |
| *07:01:01:01:07:01:01:02, 07:01:01:04-07:01:34, 07:03-07:05, 07:07-07:127, 07:129N-07:163N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | DR7, Null, -        |    |    |    |    |    |    |    |    | 81 |    |    |    |    |    |    |
| *07:06                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | DR7                 |    |    |    |    |    |    |    |    | 81 | 82 |    |    |    |    |    |
| *07:128                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -                   |    |    |    |    |    |    |    |    | 81 |    |    |    |    |    |    |
| Well No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 |

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| 88 |  |    |  |    | 93 |    |  |  |  |    |  |
|    |  |    |  |    | 93 |    |  |  |  |    |  |
|    |  | 90 |  |    | 93 |    |  |  |  |    |  |
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|    |  |    |  |    | 94 |    |  |  |  |    |  |
|    |  | 90 |  |    |    | 94 |  |  |  |    |  |
|    |  |    |  | 92 |    | 94 |  |  |  |    |  |
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Negative control