

| Well No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | DR                    | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|
| DRB1 allele <sup>1,2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ser <sup>3</sup>      |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| *01:01:01:01:01:02:13, 01:04:01:38, 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                                                                                                                                                                                                                                                                                                                                                                                                                                                | DR1, Null, -          | 1 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| *01:03:01:01:03:04, 01:39N, 01:99, 01:102, 01:112                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DR103/DR1, Null, -    |   | 2 |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| *01:42, 01:61, 01:89                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                     | 1 | 2 |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| *03:01:01:01:03:01:22, 03:01:25-03:01:30, 03:04:01-03:05:03, 03:09, 03:11:01, 03:13:01-03:16, 03:18-03:20, 03:22-03:23, 03:25:01-03:25:02, 03:28, 03:30, 03:33-03:34, 03:36-03:37, 03:43-03:45, 03:47-03:48, 03:50-03:52:02, 03:54-03:59, 03:61-03:63, 03:66-03:68N, 03:70-03:73, 03:77-03:79, 03:81, 03:83-03:84, 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, 03:123-03:124, 03:127-03:129, 03:132-03:137, 03:139, 03:141-03:149, 03:151-03:153, 03:159-03:161, 03:163-03:166, 03:168-03:170 | DR17, DR3, Null, -    |   |   |   |   | 5 | 6 |   |   |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    | 26 |    |    |    |    |    |    |    |  |
| *03:01:23, 03:06, 03:26, 03:31, 03:60, 03:75, 03:80, 03:82, 03:85, 03:122, 03:138                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DR3, -                |   |   |   |   | 5 | 6 |   |   |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| *03:01:24, 03:07:01-03:07:02, 03:21, 03:24, 03:32, 03:39-03:40, 03:49, 03:94, 03:97, 03:101, 03:105, 03:120, 03:150                                                                                                                                                                                                                                                                                                                                                                                                                                                      | DR3, -                |   |   |   |   | 5 |   |   |   |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    | 26 |    |    |    |    |    |    |    |  |
| *03:02:01-03:03, 03:27, 03:38, 03:53, 03:74, 03:88, 03:90, 03:102-03:103, 03:115, 03:131, 03:154, 03:167                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | DR18, DR3, -          |   |   |   |   | 5 |   | 7 |   |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| *03:08, 03:65, 03:140                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DR3, -                |   |   |   |   | 5 | 6 |   |   |    | 11 |    | 13 |    |    |    |    |    |    |    |    |    |    |    |    | 26 |    |    |    |    |    |    |    |  |
| *03:10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DR3                   |   |   |   |   | 5 | 6 |   |   |    |    |    |    |    |    |    |    |    | 19 | 20 |    |    |    |    |    | 26 |    |    |    |    |    |    |    |  |
| *03:12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DR3                   |   |   |   |   | 5 | 6 |   |   |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    | 24 | 26 |    |    |    |    |    |    |    |  |
| *03:17, 03:35, 03:41:01-03:41:02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DR3, -                |   |   |   |   | 5 |   |   |   |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| *03:29, 03:119                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | DR3, -                |   |   |   |   | 5 |   | 7 |   |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    | 26 |    |    |    |    |    |    |    |  |
| *03:42, 03:69, 03:87, 03:111                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                     |   |   |   |   | 5 |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| *03:46, 03:64, 03:130, 03:156N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Null, -               |   |   |   |   | 5 | 6 |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 26 |    |    |    |    |    |    |    |  |
| *03:76                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -                     |   |   |   |   | 5 | 6 |   |   |    |    | 12 |    |    | 15 |    | 17 |    |    |    |    |    |    |    |    | 26 | 28 |    |    |    |    |    |    |  |
| *03:92                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -                     |   |   |   |   | 5 | 6 |   |   |    |    |    |    |    |    |    |    |    |    |    | 21 |    | 23 |    |    |    | 26 |    |    |    |    |    |    |  |
| *03:125                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -                     |   |   |   |   | 5 | 6 |   |   |    |    | 12 |    |    | 15 | 16 | 17 |    |    |    |    |    |    |    |    | 25 | 26 |    |    |    |    |    |    |  |
| *03:126                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -                     |   |   |   |   |   | 6 | 7 |   |    |    | 12 |    |    |    |    | 17 |    | 19 |    |    |    |    |    |    | 26 | 28 |    |    |    |    |    |    |  |
| *03:155                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -                     |   |   |   |   | 5 |   |   |   |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |  |
| *03:157                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -                     |   |   |   |   | 5 | 6 |   |   |    |    |    |    |    |    |    | 17 |    |    | 20 |    |    |    |    |    | 26 | 27 |    |    |    |    |    |    |  |
| *03:158                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -                     |   |   |   |   | 5 | 6 |   |   |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |  |
| *03:162                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -                     |   |   |   |   | 5 |   |   |   |    |    |    |    |    |    |    |    |    |    |    | 21 |    |    |    |    |    |    |    |    |    |    |    |    |  |
| *04:01:01:01:04:05:11, 04:05:13-04:11:06, 04:13-04:17:02, 04:19-04:24, 04:26-04:57, 04:59-04:61, 04:63-04:68, 04:70-04:72:02, 04:74-04:104, 04:106-04:121, 04:123-04:145, 04:147-04:210, 04:212N-04:229, 04:231-04:250, 04:252-04:283, 04:285-04:302                                                                                                                                                                                                                                                                                                                     | DR4, DR4/DR3, Null, - |   |   |   |   |   |   |   | 8 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| *04:12, 04:18, 04:25, 04:58                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | DR4                   |   |   |   |   |   |   |   | 8 |    |    |    |    |    |    |    |    |    |    |    |    |    | 22 |    |    |    |    |    |    |    |    |    |    |  |
| *04:62, 04:69, 04:73:01-04:73:02, 04:105:01-04:105:02, 04:122, 04:146, 04:251, 04:284                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DR4, -                |   |   |   |   |   |   |   | 8 |    |    |    |    |    |    |    |    | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| *04:211                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -                     |   |   |   |   |   |   |   | 8 |    |    |    |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    | 28 |    |    |    |    |  |
| *04:230                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -                     |   |   |   |   |   |   |   | 8 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 28 |    |    |    |    |  |
| *07:01:01:01:07:01:23, 07:03-07:05, 07:07-07:112                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DR7, Null, -          |   |   |   |   |   |   |   |   | 9  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| *07:06                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DR7                   |   |   |   |   |   |   |   |   | 9  | 10 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| *08:01:01:08:01:02, 08:01:04-08:01:05, 08:01:07-08:02:04, 08:05, 08:16, 08:24:01-08:24:02, 08:26, 08:39, 08:42-08:44, 08:50, 08:55, 08:64, 08:72-08:73, 08:77-08:79, 08:82, 08:84-08:86, 08:88-08:90, 08:93, 08:96, 08:100-08:101                                                                                                                                                                                                                                                                                                                                        | DR8, Null, -          |   |   |   |   |   |   |   |   | 10 |    |    |    |    |    | 16 |    |    |    |    | 21 |    |    |    |    |    |    |    |    |    |    |    |    |  |
| *08:01:06, 08:03:02:01-08:03:10, 08:13, 08:18, 08:23, 08:27, 08:29-08:30:03, 08:33, 08:36:01, 08:38, 08:46-08:49, 08:51, 08:56, 08:58, 08:60N-08:62, 08:65-08:66, 08:68:02-08:69, 08:71, 08:74, 08:76, 08:81, 08:91, 08:95, 08:97                                                                                                                                                                                                                                                                                                                                        | DR8, Null, -          |   |   |   |   |   |   |   |   | 10 |    |    |    |    |    |    |    |    |    |    | 21 |    |    |    |    |    |    |    |    |    |    |    |    |  |
| *08:03:11, 08:68:01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                     |   |   |   |   |   |   |   |   | 10 |    |    |    |    |    |    |    |    |    | w  | 21 |    |    |    |    |    |    |    |    |    |    |    |    |  |
| *08:04:01-08:04:05, 08:04:07, 08:06, 08:22, 08:54, 08:59, 08:83, 08:94, 08:99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | DR8, -                |   |   |   |   |   |   |   |   | 10 |    |    |    |    |    | 16 |    |    |    |    | 21 | 22 |    |    |    |    |    |    |    |    |    |    |    |  |
| Well No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | DR                    | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |  |
| DRB1 allele <sup>1,2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ser <sup>3</sup>      |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| *08:04:06                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                     |   |   |   |   |   |   |   |   | 10 |    |    |    |    |    | 16 |    |    |    |    |    | 22 |    |    |    |    |    |    |    |    |    |    |    |  |
| *08:07, 08:11, 08:52                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | DR8, -                |   |   |   |   |   |   |   |   | 10 |    |    |    |    |    | 16 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| *08:08                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DR8                   |   |   |   |   |   |   |   |   | 10 |    |    |    |    |    | 16 |    | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |

Negative Control

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