

| Well No. | 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 | | | |
|--|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|
| DQB1 allele^{1,2,3} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *05:01:01:01-05:01:08 , 05:01:11-05:01:24:02, 05:48, 05:55, 05:61, 05:68, 05:70, 05:74, 05:76, 05:81, 05:84, 05:89:01-05:89:02, 05:92-05:93, 05:95, 05:99, 05:114-05:115, 05:120, 05:122, 05:124, 05:126-05:127, 05:133, 05:137-05:139, 05:141, 05:144, 05:148, 05:150-05:152, 05:154-05:155, 05:157-05:158, 05:160 | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *05:01:09-05:01:10 | 1 | 2 | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *05:02:01:01 -05:02:01:03, 05:02:03-05:02:12, 05:02:14, 05:53, 05:59, 05:65, 05:86, 05:94, 05:100, 05:113, 05:118, 05:123, 05:125, 05:135-05:136, 05:142 | 1 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | 29 | | | | | |
| *05:02:02 | 1 | | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | 29 | | | | | |
| *05:02:13 | 1 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *05:03:01:01 -05:03:05, 05:03:07-05:03:13, 05:03:15-05:03:17, 05:43:02, 05:58, 05:64, 05:67, 05:85, 05:91, 05:109, 05:121, 05:129, 05:140, 05:147, 05:149 | 1 | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *05:03:06 | 1 | | | 4 | | | | | | | | | | | 15 | | | | | | | | | | | | | | | | | | | | |
| *05:03:14 | 1 | | | | | | | | | | | | | | 15 | | | | | | 22 | | | | | | | | | | | | | | |
| *05:04 , 05:77, 05:146 | 1 | | | | 5 | | | | | | | | | | | | | | | | | | | | | | | | | 29 | | | | | |
| *05:05:01-05:05:02 | 1 | | 3 | | | 6 | | | | | | | | | | | | | | | | | | | | | | | | 29 | | | | | |
| *05:06:01- 05:06:02 , 05:50 | 1 | | | 4 | | | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *05:07 | 1 | 2 | | | | | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *05:08 | 1 | | | 4 | | | | | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *05:09 | 1 | | | 4 | | | | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *05:10 | 1 | | | 4 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *05:11:01- 05:11:02 | 1 | 2 | | | | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *05:12 | 1 | 2 | | | | | | | | 10 | | | | | | | | | | | | | | | | | | | | | | | | | |
| *05:13 | 1 | | | 4 | | | | | | | 11 | | | | | | | | | | | | | | | | | | | | | | | | |
| *05:14 | 1 | | 3 | | | | | | | | | 12 | | | | | | | | | | | | | | | | | | 29 | | | | | |
| *05:15 | 1 | | | 4 | | | | | | | | | 13 | | | | | | | | | | | | | | | | | | | | | | |
| *05:16, 05:101⁴ | 1 | | | 4 | | | | | | | | | | 14 | | | | | | | | | | | | | | | | | | | | | |
| *05:17 | 1 | | 3 | | | | | | | | | | | | 15 | | | | | | | | | | | | | | | 29 | | | | | |
| *05:18 | 1 | 2 | | | | | | | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *05:19 | 1 | | 3 | | | | | | | | | | | | | | | | | | | 23 | | | | | | | 29 | | | | | | |
| *05:20 , 05:159 ⁴ | 1 | 2 | | | | | | | | | | | | | 16 | | | | | | | | | | | | | | | | | | | | |
| *05:21 | | | | | | | | | | | | | | | | | | | | 19 | | | | | | | | | | | | | | | |
| *05:22 | 1 | 2 | | | | | | | | | | | | | | | | | | | | 23 | | | | | | | | | | | | | |
| *05:23 | 1 | | | | | | | | | 10 | | | | | | | | | | | | | | | | | | | | | | | | | |
| *05:24 | 1 | | | 4 | | | | | | | | | | | | | | | 18 | | | | | | | | | | | | | | | | |
| *05:25 | 1 | 2 | | | | | | | | | | 12 | | | | | | | 17 | | | | | | | | | | | | | | | | |
| *05:26 | 1 | | 3 | | | | | | | | | | | | | | | | | | | 21 | | | | | | | | 29 | | | | | |
| *05:27 , 05:29 ⁴ | 1 | 2 | | | | | | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *05:28 | 1 | | | 4 | | | | | | | | | | | | | | | | | 19 | | | | | | | | | | | | | | |
| *05:30 | 1 | 2 | | | | | | | | | | | | | | | | | | 19 | | | | | | | | | | | | | | | |
| *05:31 | 1 | 2 | | | | | | | | | | | | | | | | 17 | | | | | | | | | | | | | | | | | |
| *05:32 | 1 | 2 | | | | | | | | | 11 | | | | | | | | | | | 20 | | | | | | | | | | | | | |
| *05:33 | 1 | | 3 | | | | | | | | | | | 13 | | | | | | | | | | | | | | | | 29 | | | | | |
| *05:34 | | | | 3 | | | | | | | | | | 13 | | | | | | | | | | | | | | | | 29 | | | | | |
| *05:35, 05:117 ⁴ | 1 | | 3 | | | | | | | | | 11 | | | | | | | | | | | | | | | | | | 29 | | | | | |
| *05:36 | 1 | | 3 | | | | | | 9 | | | | | | | | | | | | | | | | | | | | | 29 | | | | | |
| *05:37 | 1 | | 3 | | | | | | | | | | | | 15 | | | | | | | 21 | | | | | | | | 29 | | | | | |
| *05:38, 05:119 | 1 | | | 4 | | | | | | | | | | | | | | | | | | 20 | | | | | | | | | | | | | |
| *05:39 | 1 | | | 4 | | | | | | | | | | | | | | | | | | | 21 | | | | | | | | | | | | |
| *05:40 | 1 | | | 4 | | | | | | | | | | 13 | 14 | | | | | | | | | | | | | | | | | | | | |
| *05:41N | 1 | | | 4 | | | | | | | | 12 | | | | | | | 17 | | | | | | | | | | | | | | | | |
| *05:42 | 1 | | | 4 | | | | | | | | 11 | | | | | | | | | | | 20 | | | | | | | | | | | | |
| *05:43:01 , 05:131 | 1 | | | | | | | | | | | | | | | | | | | | | | 22 | | | | | | | | | | | | |
| *05:44 | | 2 | | | | | | | | | | | | 13 | | | | | | | | | | | | | | | | | | | | | |
| *05:45 | 1 | 2 | | | | | | | | | | 11 | | | | | | | | | | | | | | | | | | | | | | | |
| *05:46 | 1 | | 3 | | | | | | | | | | | | | | | | 17 | | | | | | | | | | | 29 | | | | | |
| *05:47 | 1 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 29 | | | | |
| *05:49 | 1 | 2 | | | | | | | | | | | | 13 | | | | | | | | | | | | | | | | | | | | | |

Negative Control

DQ5 2018 8G3 R01

| Well No. | 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 |
|--|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| *05:51 | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 | |
| *05:52 | 1 | | | | 5 | | 7 | | | | | | | | | | | | | | | | | | | | | | | | 29 | |
| Well No. | 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 |
| Well No. | 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 |
| *05:54 | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *05:56 | 1 | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | 28 | |
| *05:57 | 1 | | 3 | | | | | | | | | | | | | | | | | 20 | | | | | | | | | | | 29 | |
| *05:60 | | | | 4 | | | | | | | | | | | | | | | 19 | | | | | | | | | | | | | |
| *05:62 | 1 | 2 | | | | | | | | | | | | | | | | | | 20 | | | | | | | | | | | | |
| *05:63 | 1 | 2 | | | | | | | | | | | | | | | | | | | 21 | | | | | | | | | | | |
| *05:66:01-05:66:02 | 1 | | | 4 | | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *05:69 | 1 | 2 | | | | | | | | | | | | 14 | | | | | | | | | | | | | | | | | | |
| *05:71 | 1 | 2 | | | | | | | 10 | | | | | | | | | | | | | | | 24 | | | | | | | | |
| *05:72 | | 2 | | | | | | | | | | | | | | | | 18 | | | | | | | | | | | | | | |
| *05:73 | | 2 | | | | | | | | | | | | 14 | | | | | | | | | | 24 | | | | | | | | |
| *05:75 | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | 25 | | | | | | | |
| *05:78 | 1 | | | 4 | | | | | | | | | | | | | | | | | | | | | | | 26 | | | | | |
| *05:79 | 1 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | 27 | | | 29 | | |
| *05:80 | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | 24 | | | | | | | | |
| *05:82 | | | | | | | | | | | | | | | | | | | | | | 21 | | | | | | | | | | |
| *05:83 | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 29 | |
| *05:87Q | 1 | | 3 | | | | 8 | | | | | | | | | | | | | | | | | | | | | | | | 29 | |
| *05:88 | 1 | 2 | | | | | | | | | | | | | | | | | | | | 21 | | | | | | 27 | | | | |
| *05:90N | 1 | | 3 | | | | | | | | | 12 | | | | | 17 | | | | | | | | | | | | | | 29 | |
| *05:96 | 1 | | | 4 | | | | | | | 11 | 12 | | | | | | | | | | | | | | | | | | | | |
| *05:97 | 1 | | | | | | | | | | | | | | | | | | | | | | | 23 | | | | | | | | |
| *05:98 | | | | 4 | | | | | | | | | | 14 | | | | | | | | | | | 24 | | | | | | | |
| *05:102 | 1 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | 29 | 31 | |
| *05:103 | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | 26 | | | | | |
| *05:104 | 1 | 2 | | | | | | | | | | | | | 15 | | | | | | | 21 | | | | | | | | | | |
| *05:105 | | | | | | | | | | | | | | | | 16 | | | | | | | | | | | | | | | 30 | |
| *05:106 | 1 | | 3 | | | | | | | | | | | | | | 17 | | | | 20 | | | | | | | | | | 29 | |
| *05:107 | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 28 | | |
| *05:108 | 1 | | | 4 | | | | | | | | | | | | | 17 | | | | | | | | | | | | | | | |
| *05:110N, 05:156 ⁴ | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | 27 | | | | |
| *05:111 | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | 25 | | | | | 30 | |
| *05:112 | 1 | 2 | | | | | 7 | | | | | | | | | | | | | | | | | | | 25 | | | | | | |
| *05:116 | | | 3 | | | | | | | | | | | 14 | | | | | | | | | | 24 | | | | | | | 29 | |
| *05:128N | | 2 | | | | | | | | | | | 13 | | | | 18 | | | | | | | | | | | | | | | |
| *05:130 | | | | 4 | | | | | | | | | 13 | | | | | | | | | | | | | | | | | | | |
| *05:132Q | 1 | | | | 5 | | 8 | | | | | | | | | | | | | | | | | | | | | | | | 29 | |
| *05:134 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *05:143 | 1 | | | 4 | | | | | | | | | | | | | | | | | | | | 23 | | | | | | | | |
| *05:145, 05:153 | 1 | | 3 | | | | | | | | | | | 14 | | | | | | | | | | | | | | | | | 29 | |
| *02:64, 02:79, 03:21, 03:196, 06:243 | | | | | | | | | | | 11 | | | | | | | | | | | | | | | | | | | | | |
| *02:96N | | | | | | | | | | | | 12 | | | | | 17 | | | | | | | | | | | | | | | |
| *02:99, 03:249, 06:105, 06:185, 06:225 | | | | | | | | | | | | | | | | | 16 | | | | | | | | | | | | | | | |
| *03:03:05 | | | | | | | | | | | | | | | 15 | | | | | | | | | | | | | | | | 30 | |
| *03:10:02:01-03:10:02:02, 03:183, 06:01:12, 06:51:01, 06:66, 06:96, 06:99:01, 06:172 | | | | | | | | | | | | | | | | | | | | | | | 22 | | | | | | | | | |
| *03:190, 04:42, 06:223 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 31 | |
| *03:226, 03:272, 04:28 | | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *04:02:07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *06:02:19, 06:03:08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 |
| *06:06 | | | | | | | ? | | | | | | | | | | | | | | | | | | | | | | | | | |
| *06:28, 06:56, 06:79:01, 06:89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 24 |
| *06:79:02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 24 |
| *06:111 | | | | | | | | | | | | | | | | | 17 | | | | | | | | | | | | | | | |
| *06:129, 06:241 | | | | | | | 6 | | | | | | | | | | | | | | | | | | | | | | | | | |
| *06:146:01 | | | | | | | 6 | | | | | | | | | | | | | | | | | | | | | | | | | 20 |
| *06:156, 06:162, 06:169 | | | | 4 | | | | | | | | | | 14 | | | | | | | | | | | | | | | | | | |
| *06:158N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 27 |
| *06:221 | | | | | | | | 9 | | | | | | | | | | | | | | | | | | | | | | | | |
| *06:250 | | | | | | | | | | | | | | | 15 | | | | | | | | | | | | | | | | | 21 |
| Well No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | | | | | | | | | | | |