| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **HLA-A allele**[1,2,3] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ***33:01:01**-33:01:08, 33:49-33:50, 33:67-33:68, 33:89, 33:91 | 1 | 2 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ***33:03:01**-33:03:02, 33:03:04-33:03:30, 33:35, 33:37, 33:41, 33:43, 33:45-33:48, 33:55-33:56, 33:59-33:63, 33:66, 33:71-33:72, 33:75-33:76, 33:78-33:79, 33:81, 33:87-33:88, 33:93-33:95, 33:97-33:104 | 1 | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *33:03:03Q, 33:86[5] | 1 | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | 30 | | |
| ***33:04** | 1 | 2 | | | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ***33:05** | 1 | 2 | 3 | | | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *33:06 | 1 | | | 4 | | | 7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ***33:07** | 1 | 2 | 3 | | | | | 8 | | | | | | | | | | | | | | | | | | | | | | | | |
| ***33:08**, 31:99[5] | | | | 4 | | | | | 9 | 10 | | | | | | | | | | | | | | | | | | | | | | |
| ***33:09**, 02:309, 26:22, 66:09[4] | | | | 4 | | | | | 9 | | | | | | | | | | | | | | | | | | | | | | | |
| *33:10 | 1 | | | 4 | | | | | | | 11 | | | | | | | | | | | | | | | | | | | | | |
| ***33:11**, 33:80N[5] | 1 | | | 4 | | | | | | | | 12 | | | | | | | | | | | | | | | | | | | | |
| *33:12 | 1 | | | 4 | | | | | | | | | 13 | | | | | | | | | | | | | | | | | | | |
| *33:13 | 1 | | | 4 | | | | | | 10 | | | | | | | | | | | | | | | | | | | | | | |
| *33:14 | 1 | | | 4 | | | | | 9 | | | | | | | | | | | | | | | | | | | | | | | |
| *33:15 | 1 | | | 4 | | | | | | | | | | 14 | | | | | | | | | | | | | | | | | | |
| ***33:16**, **33:64**[5] | 1 | 2 | 3 | | | | | | | | | | | | 15 | | | | | | | | | | | | | | | | | |
| *33:17 | 1 | | | 4 | | | | | | | | | | | | 16 | | | | | | | | | | | | | | | | |
| *33:18:01-33:18:02 | 1 | | | | | | | | | | | | | | | | 17 | | | | | | | | | | | | | | | |
| *33:19 | 1 | | | | | | | | | | | | | 14 | | | | | | | | | | | | | | | | | | |
| *33:20 | 1 | | | 4 | | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *33:21 | | | | 4 | | | 7 | | | | | | | | | 16 | | | | | | | | | | | | | | | | |
| *33:22 | 1 | | | 4 | | | | | 9 | 10 | | | | | | | | | | | | | | | | | | | | | | |
| ***33:23** | 1 | | | 4 | | | | | | | | | | | 15 | | | | | | | | | | | | | | | | | |
| *33:24 | 1 | | | 4 | | | | 8 | | | | | | | | | | | | | | | | | | | | | | | | |
| ***33:25** | 1 | | | 4 | | | | | | | 11 | | 13 | | | | | | | | | | | | | | | | | | | |
| ***33:26** | 1 | | | 4 | | | | | | | | | | | | | 17 | | | | | | | | | | | | | | | |
| ***33:27** | 1 | 2 | 3 | | | | | | | | | | | | | | | 18 | | | | | | | | | | | | | | |
| *33:28 | 1 | | | 4 | | | | | | | | | | | | | | | 19 | | | | | | | | | | | | | |

**Negative Control**

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| *33:29, 33:39[5] | 1 | | | 4 | | | | | | | | | | | | | | | | 20 | | | | | | | | | | | | |
| *33:30, **33:73N**[5] | 1 | | | 4 | | | | | | | | | | | | | | | | | 21 | | | | | | | | | | | |
| *33:31, **33:44**[5] | 1 | | | 4 | | | | | | | | | | | | | | | | | | 22 | | | | | | | | | | |
| *33:32:01-33:32:02 | 1 | 2 | 3 | | | | | | | | | | | | | | | | | | | | 23 | | | | | | | | | |
| ***33:33** | 1 | | | 4 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ***33:34** | 1 | 2 | 3 | | | | | | | | | | | | | | | | | | | | | 24 | | | | | | | | |
| ***33:36** | 1 | | | 4 | | | | | | | | 12 | | | | 16 | | | | | | | | | | | | | | | | |
| *33:40 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ***33:42** | 1 | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | 29 | | | |
| *33:51, 66:15[4] | | | | 4 | | | 7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ***33:52** | 1 | | | 4 | | | | | | | | | | | | | | | | | | | 23 | | | | | | | | | |
| *33:53 | | | | 4 | | | 7 | | | 10 | | | | | | | | | | | | | | | | | | | | | | |
| ***33:54** | 1 | | | 4 | | | | | | | | | | | | | | | | | | | | 24 | | | | | | | | |
| ***33:57** | 1 | | | 4 | | | | | | | | | | | | | | 18 | | | | | | | | | | | | | | |
| ***33:58** | 1 | | | 4 | | 6 | | | 9 | | | | | | | | | | | | | | | | | | | | | | | |
| ***33:65** | 1 | | | 4 | | | | | | | | | | | 15 | | 17 | | | | | | | | | | | | | | | |
| *33:69 | | 2 | 3 | | | | | | | | | | | | | | | | | | | | | | 25 | | | | | | | |
| ***33:70** | 1 | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | 28 | | | | |
| *33:74N | 1 | | | 4 | | | | | | | | | | | | | | | | | | | | | | 26 | 27 | | | | | |
| ***33:77** | 1 | | | 4 | | | | | | | | | | | | | | | | | | | | | | 26 | | | | | | |
| *33:82 | 1 | | | 4 | | | | | | | | | | | | | | 18 | | | 21 | | | | | | | | | | | |
| *33:83 | 1 | | | 4 | | | | | | | | | | | | | | | | | | | | | 25 | | | | | | | |
| *33:84 | 1 | | | 4 | | | | | | | | | | 14 | | | | | | | | 22 | | | | | | | | | | |
| *33:85 | 1 | | | 4 | | | | | | | | | | | | | | | | | | | | | | | 27 | | | | | |
| **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 |
| ***33:90** | 1 | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | 28 | | | 31 | |
| *33:92 | | 2 | 3 | | | | | | | | | | | | | | | | | | | | | | | | 27 | | | | | |
| *33:96N | 1 | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | 31 | |
| *01:01:38L, 24:02:03Q | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 | | |
| *01:20, 01:66, 01:130, 02:24:01, 02:137, 02:503, 03:95, 30:47, *C*02:74* | | | | | | | | | 9 | | | | | | | | | | | | | | | | | | | | | | | |
| *01:52:01N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 31 | |
| *01:84, 02:214 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 28 | | | 31 | |
| *01:143, 24:82, *C*07:449* | | | | | | | | | | 10 | | | | | | | | | | | | | | | | | | | | | | |

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| *01:145, 02:41, 02:65, 02:80, 02:117, 02:135, 02:152, 02:289:01, 02:304, 02:454, 03:103, 11:116, 11:140, 23:45, 24:62, 25:01:01-25:33, 26:01:01:01-26:21, 26:23, 26:25N-26:39, 26:41-26:43:02, 26:45-26:59, 26:61-26:67, 26:69-26:98, 26:100-26:106, 26:108-26:117, 29:32, 31:01:02:01-31:01:24, 31:09-31:23, 31:25-31:28, 31:30-31:47, 31:49-31:53, 31:55-31:65, 31:67-31:68, 31:70-31:87, 31:90, 31:92-31:93, 31:95-31:98, 31:100-31:103, 32:01:01-32:03, 32:05-32:09, 32:11Q-32:12, 32:14-32:29, 32:31, 32:33:02-32:40, 32:42-32:47, 32:49-32:50, 32:52, 32:54-32:62, 32:64-32:79, 34:01:01-34:01:02, 34:05-34:06, 34:11-34:12, 34:14, 43:01, 66:01:01-66:03, 66:05-66:08, 66:10-66:14, 66:16-66:24, 74:01:01-74:26 | | | | **4** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *02:10, 02:17:01-02:17:03, 02:39, 02:108, 02:110, 02:140, 02:148, 02:242, 02:244, 02:268, 02:300, 02:303, 02:398, 02:453, 03:15, 03:19, 11:139, 24:04, 24:19, 24:28, 24:44, 24:89, 24:109, 24:129, 24:290 | | | | | | | | | | | | | **14** | | | | | | | | | | | | | | | | | | | **Negative Control** |
| *02:24:02 | | | | | | | | | **9** | **10** | | | | | | | | | | | | | | | | | | | | | | |
| *02:241 | | | | | | | | | | | | | | | | | | | | | | **22** | | | | | | | | | | |
| *02:243:01-02:243:02 | | | | | | | | **8** | **9** | **10** | | | | | | | | | | | | | | | | | | | | | | |
| *02:292 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | **29** | | | |
| *02:332, 24:220 | | | **3** | | | | | | | | | | | | | | | | | | | | **23** | | | | | | | | | |
| *02:342 | | | | | | | | | | | | | | | | | | | | | **21** | | | | | | | | | | | |
| *02:444 | | | | | | | | **8** | | | | | | | | | | | | | | | | | | | | | | | | |
| *02:480 | | | | | | | | | | | | | | | | | | | | **20** | | | | | | | | | | | | |
| *03:01:18 | | | | | | | | | | | | | | | | | | | **19** | | | | | **24** | | | | | | | | |

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| *03:22:02, *B*15:02:07, B*15:17:03, C*02:02:15, C*03:03:20* | | | | | | | | | | | | | | | | | | | **19** | | | | | | | | | | | | | |
| *03:42, 03:133, 23:53, 29:01:01:01-29:02:17, 29:04, 29:06, 29:08N, 29:10-29:11, 29:13-29:18, 29:20-29:21, 29:23-29:31, 29:34, 29:36-29:47, 29:50, 29:52-29:58, 29:60-29:65, 29:67-29:70, 29:72-29:76, 29:78N, 29:81, 31:04, 31:06, 32:30, 32:32 | | | | | | | | | | | | | | | | | **17** | | | | | | | | | | | | | | | |
| *03:104, 31:88, 66:04 | | **2** | **3** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *03:205, 11:137N | | | | | | | | | | | | **12** | | | | | | | | | | | | | | | | | | | | |
| *11:01:28 | | | | | | | | | | | | | | | | | | | | | | | | **24** | | | | | | | | |
| *11:43 | | | | | | | | | | **10** | | **12** | | | | | | | | | | | | | | | | | | | | |
| *11:54 | | | | | | | | | | | | | | | | | | | | | | | | | | | | **28** | | | | |
| *11:98, 68:04 | | | | | | | **7** | | | | | | | | | | | | | | | | | | | | | | | | | |
| *23:03:01 | | | | | | | | | | | **11** | | | | | | | | | | | | | | | | | | | | | |
| *24:21:03, 24:208, 29:33 | | | | | | | | | | | **11** | | | | | | | | | | | | | **24** | | | | | | | | |
| *26:24 | | | | **4** | | | | | | | | | | | | | | | | | | **22** | | | | | | | | | | |
| *26:60N, 31:66, 31:89 | | | | **4** | | | | | | | | **12** | | | | | | | | | | | | | | | | | | | | |
| *26:68 | | | | **4** | **5** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **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** |
| *26:99, 31:29, 31:48 | | | | **4** | | | | | | | | | | **14** | | | | | | | | | | | | | | | | | | **Negative Control** |
| *26:107N | | | | **4** | | | | | | | | | | | | | | | | | | | | | | | | | | | **31** | |
| *29:03 | | | | | | | | | | | **11** | | | | | | **17** | | | | | | | | | | | | | | | |
| *29:07, 29:49 | | | | | | | | | | | | | | **14** | | | **17** | | | | | | | | | | | | | | | |
| *29:09, 29:59 | | | | | | | | | | | | | | | | | **17** | | | | | | | **24** | | | | | | | | |
| *29:12 | | | | | | **6** | | | **9** | | | | | | | | **17** | | | | | | | | | | | | | | | |
| *29:19 | | | | | | | | **8** | | | | | | | | | **17** | | | | | | | | | | | | | | | |
| *29:22 | | | | | | | | | **9** | **10** | | | | | | | **17** | | | | | | | | | | | | | | | |
| *29:48 | | | | | | | | **8** | **9** | **10** | | | | | | | **17** | | | | | | | | | | | | | | | |
| *29:66, 31:03 | | | | | | | | | | **10** | | | | | | | **17** | | | | | | | | | | | | | | | |
| *31:02, 31:07-31:08, 31:91 | | | | **4** | | | | | | **10** | | | | | | | | | | | | | | | | | | | | | | |
| *31:05, 32:13 | | | | **4** | | | | | | | **11** | | | | | | | | | | | | | | | | | | | | | |
| *31:24, 32:33:01 | | | | **4** | | | | | | | | | | | | | | | | | | | | **24** | | | | | | | | |
| *31:54 | | | | **4** | | | | **8** | | | | | | | | | | | | | | | | | | | | | | | | |

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| *31:94 | | | | **4** | | **6** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *32:10, 32:63 | | | | **4** | | | | | | | | | | | | | | | **19** | | | | | | | | | | | | | |
| *32:51 | | | | **4** | | | | | | | | | | | | | | | | | | | | | | | | | | **30** | | |
| *32:53 | | | | **4** | | | | | | | | | | | | | | | | **20** | | | | | | | | | | | | |
| *68:29 | **1** | | | | | | | | | | | **12** | | | | | | | | | | | | | | | | | | | | |
| *B*51:136* | | | | | | | | | | | | | | | | | | | | | | | **23** | | | | | | | | | |
| Allele | **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** |