

| Well No.                                                                                                                                                                                                                                                                                                        |                                      | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8  | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---|---|---|---|---|---|---|----|---|----|----|----|----|----|----|----|----|----|----|----|
| HLA-A allele <sup>1,3</sup>                                                                                                                                                                                                                                                                                     | ser <sup>2</sup>                     |   |   |   |   |   |   |   |    |   |    |    |    |    |    |    |    |    |    |    |    |
| *01:01:01:01-01:01:22, 01:01:24-01:04N, 01:06-01:07, 01:09-01:11N, 01:16N-01:18N, 01:20, 01:22N-01:27N, 01:29, 01:31N-01:50, 01:52N-01:78, 01:80-01:81, 36:04                                                                                                                                                   | A1, A36, Null, –                     | 1 |   |   | 4 |   |   |   |    |   |    |    |    |    |    |    |    |    |    |    |    |
| *01:01:23, 01:08, 01:14-01:15N, 01:30, 01:79, 36:01, 36:03, 36:05                                                                                                                                                                                                                                               | A1, A36, Null, –                     | 1 |   |   |   |   |   |   |    |   |    |    |    |    |    |    |    |    |    |    |    |
| *01:12, 01:19                                                                                                                                                                                                                                                                                                   | A1, -                                | 1 |   | 3 |   |   |   |   |    |   |    |    |    |    |    |    |    |    |    |    |    |
| *01:13                                                                                                                                                                                                                                                                                                          | A1                                   | 1 |   |   | 4 |   |   |   |    |   | 10 |    | 12 |    | 14 |    |    |    |    |    |    |
| *01:21                                                                                                                                                                                                                                                                                                          | A1                                   | 1 |   | 3 | 4 |   |   |   |    |   |    |    |    |    |    |    |    |    |    |    |    |
| *01:28                                                                                                                                                                                                                                                                                                          | –                                    | 1 |   |   | 4 |   |   |   |    |   | 10 |    |    |    | 14 |    |    |    |    |    |    |
| *01:51                                                                                                                                                                                                                                                                                                          | –                                    | 1 |   |   | 4 |   |   | 7 |    | 9 |    |    |    |    |    |    |    |    |    |    |    |
| *02:01:01:01-02:01:15, 02:01:17-02:01:19, 02:01:21-02:16, 02:18-02:22:02, 02:24-02:33, 02:36-02:45, 02:47, 02:49-02:54, 02:57-02:61, 02:63-02:69, 02:71-02:77, 02:79-01-02:97:02, 02:99, 02:101-02:102, 02:104-02:128, 02:130-02:134, 02:136-02:145, 02:147-02:168, 02:170-02:236, 02:238-02:242, 02:244-02:282 | A2, A19, Low A2, A203, A210, Null, – |   | 2 |   |   |   |   |   |    |   |    |    |    |    |    |    |    |    |    |    |    |
| *02:17:01-02:17:02                                                                                                                                                                                                                                                                                              | A2                                   |   | 2 |   |   | w |   |   |    |   |    |    |    |    |    |    |    |    |    |    |    |
| *02:34-02:35:01, 02:35:03, 02:56:01-02:56:02, 02:62, 02:103                                                                                                                                                                                                                                                     | A2                                   |   | 2 |   |   |   |   |   |    |   |    |    | 12 |    |    |    |    |    |    | 19 |    |
| *02:35:02                                                                                                                                                                                                                                                                                                       | A2                                   |   |   |   |   |   |   |   |    |   |    |    | 12 |    |    |    |    |    |    | 19 |    |
| *02:46, 02:70                                                                                                                                                                                                                                                                                                   | A2                                   |   | 2 |   |   |   |   |   |    |   |    |    |    |    |    |    |    |    |    | 19 |    |
| *02:48, 02:129                                                                                                                                                                                                                                                                                                  | A2, –                                |   |   |   |   |   |   |   |    |   |    |    |    |    |    |    |    |    |    | 19 |    |
| *02:55                                                                                                                                                                                                                                                                                                          | A2, A28                              |   | 2 |   |   |   |   | 7 |    |   |    |    |    |    |    |    |    |    |    |    | 20 |
| *02:78                                                                                                                                                                                                                                                                                                          | -                                    |   | w |   | 4 |   |   |   |    |   |    |    |    |    |    |    |    |    |    | 19 |    |
| *02:135                                                                                                                                                                                                                                                                                                         | –                                    |   | 2 |   |   |   |   |   |    |   |    |    | 12 |    |    |    |    |    |    |    |    |
| *02:146                                                                                                                                                                                                                                                                                                         | –                                    |   | 2 |   |   |   |   |   |    | 9 |    |    |    |    |    |    |    |    |    |    |    |
| *02:169                                                                                                                                                                                                                                                                                                         | –                                    |   | 2 |   | 4 |   |   |   |    |   |    |    |    |    |    |    |    |    |    |    |    |
| *02:237                                                                                                                                                                                                                                                                                                         | –                                    |   | 2 |   |   |   |   |   |    |   |    |    |    | 13 |    | 15 |    |    |    |    |    |
| *02:243                                                                                                                                                                                                                                                                                                         | –                                    |   | 2 |   |   |   |   |   |    |   |    |    |    |    |    |    |    | 17 |    |    | 20 |
| *03:01:01:01-03:01:18, 03:01:20-03:01:22, 03:02-03:07, 03:09-03:11N, 03:13-03:17, 03:19-03:23, 03:25-03:31, 03:33-03:35, 03:37-03:40, 03:42, 03:44-03:49, 03:51-03:56, 03:58, 03:60-03:62, 03:64-03:71, 03:73-03:74, 03:76-03:81, 03:83-03:87, 03:90-03:94, 03:96-03:106, 03:109-03:110, 03:112                 | A3, Null, –                          |   |   |   | 3 |   |   |   |    |   |    |    | 12 |    |    |    |    |    |    |    |    |
| *03:01:19                                                                                                                                                                                                                                                                                                       | –                                    |   |   | 3 |   |   |   |   |    |   | 11 | 12 |    |    |    |    |    |    |    |    |    |
| *03:01:23, 03:08, 03:32, 03:36N, 03:57, 03:59, 03:72, 03:89, 03:107-03:108, 03:111, 24:92 <sup>8</sup>                                                                                                                                                                                                          | A3, Null, -                          |   |   | 3 |   |   |   |   |    |   |    |    |    |    |    |    |    |    |    |    |    |
| *03:12                                                                                                                                                                                                                                                                                                          | A3                                   |   |   | 3 | 4 |   |   |   |    |   |    |    |    |    |    |    |    |    |    |    |    |
| *03:18                                                                                                                                                                                                                                                                                                          | -                                    | 1 |   |   | 4 |   |   |   |    |   |    |    | 12 |    |    |    |    |    |    |    |    |
| *03:24, 03:50                                                                                                                                                                                                                                                                                                   | A3, –                                |   |   | 3 |   |   |   | 7 |    |   |    |    | 12 |    |    |    |    |    |    |    |    |
| *03:41                                                                                                                                                                                                                                                                                                          | –                                    |   |   | 3 |   |   |   |   | </ |   |    |    |    |    |    |    |    |    |    |    |    |

|                                                                                  |                   |   |  |   |   |  |  |   |   |   |   |    |    |    |    |    |    |    |    |
|----------------------------------------------------------------------------------|-------------------|---|--|---|---|--|--|---|---|---|---|----|----|----|----|----|----|----|----|
| *26:16                                                                           | A26               |   |  |   |   |  |  |   | 6 |   |   | 9  |    | 12 |    |    |    |    |    |
| *26:19                                                                           | -                 |   |  |   | 4 |  |  |   |   |   |   |    |    | 12 | 13 |    |    |    |    |
| *26:22                                                                           | A26               |   |  |   |   |  |  |   | 7 |   |   | 9  |    | 12 | 13 |    |    |    | 20 |
| *26:54                                                                           | -                 |   |  |   |   |  |  |   | 7 |   |   | 9  |    | 12 |    |    |    |    | 19 |
| *29:01:01:01-29:06, 29:08N-29:12, 29:15-29:18, 29:20-29:27                       | A29, Null, -      |   |  |   |   |  |  |   |   |   |   |    |    |    | 13 |    |    |    |    |
| *29:07                                                                           | A29               |   |  |   |   |  |  |   | 5 |   |   |    |    |    | 13 |    |    |    |    |
| *29:13                                                                           | -                 |   |  |   |   |  |  |   |   |   |   |    |    |    | 13 |    | 16 |    |    |
| *29:14                                                                           | -                 |   |  |   |   |  |  |   |   |   |   |    |    |    | 13 |    | 15 |    |    |
| *29:19                                                                           | -                 |   |  |   |   |  |  |   |   |   |   |    |    |    | 13 |    |    |    | 18 |
| *30:01:01-30:04:02, 30:06-30:07, 30:09-30:20, 30:22-30:46                        | A30, Null, -      |   |  |   |   |  |  |   |   |   |   |    |    |    |    | 14 |    |    |    |
| *30:08                                                                           | A30               |   |  |   | 4 |  |  |   |   |   |   |    |    |    |    | 14 |    |    |    |
| *31:01:02-31:02, 31:05-31:28, 31:30-31:34, 31:36-31:46                           | A31, A24, Null, - |   |  |   |   |  |  |   |   |   |   |    |    |    |    |    | 15 |    |    |
| *31:03                                                                           | A31               |   |  |   |   |  |  |   |   |   |   | 10 | 11 |    | 13 |    | 15 |    |    |
| *31:04                                                                           | A31               |   |  |   |   |  |  |   |   |   |   |    | 11 |    | 13 |    | 15 |    |    |
| *31:29                                                                           | -                 |   |  |   |   |  |  | 5 |   |   |   |    |    |    |    |    | 15 |    |    |
| *31:35                                                                           | -                 |   |  |   |   |  |  |   |   |   |   |    |    |    |    | 14 | 15 | 16 |    |
| *32:01:01-32:02, 32:06-32:14, 32:16-32:30                                        | A32, Null, -      |   |  |   |   |  |  |   |   | 8 |   |    |    |    |    |    | 16 |    |    |
| *32:03                                                                           | A32               |   |  |   |   |  |  |   |   |   |   |    |    |    |    |    | 16 |    |    |
| *32:04                                                                           | A32, A3           |   |  |   | 3 |  |  |   |   | 8 |   |    |    |    |    |    |    |    |    |
| *32:05                                                                           | A32               |   |  |   |   |  |  |   |   |   |   |    |    |    |    |    | 15 | 16 |    |
| *32:15                                                                           | A32               |   |  |   |   |  |  |   | 7 | 8 |   |    |    |    |    |    | 16 |    |    |
| *33:01:01-33:01:05, 33:03:01-33:12, 33:14-33:18, 33:20-33:21, 33:23, 33:25-33:34 | A33, -            |   |  |   |   |  |  |   |   |   |   |    |    |    |    |    |    | 17 |    |
| *33:13                                                                           | -                 |   |  |   |   |  |  |   |   |   | 9 |    |    |    | 13 |    |    | 17 |    |
| *33:19                                                                           | -                 |   |  |   |   |  |  | 6 |   |   |   |    |    |    |    |    |    | 17 |    |
| *33:22                                                                           | -                 |   |  |   |   |  |  |   |   |   |   |    |    |    |    |    |    | 17 | 20 |
| *33:24                                                                           | -                 |   |  |   |   |  |  |   |   |   |   |    |    |    |    |    |    | 17 |    |
| *34:01:01-34:01:02, 34:05-34:06                                                  | A34, A10          |   |  |   |   |  |  |   | 7 |   |   | 10 | 11 |    |    |    |    |    |    |
| *34:02-34:03, 34:07                                                              | A34               |   |  |   | 3 |  |  |   | 7 |   |   | 10 | 11 |    |    |    |    |    |    |
| *34:04                                                                           | A34               |   |  |   | 3 |  |  |   | 7 |   |   | 10 | 11 |    | 13 |    |    |    |    |
| *34:08                                                                           | A34               |   |  |   | 3 |  |  |   | 7 |   |   | 10 | 11 | 12 |    |    |    |    |    |
| *34:09                                                                           | -                 |   |  |   | 3 |  |  |   | 7 |   |   |    | 11 |    |    |    |    |    |    |
| *36:01, 36:03, 36:05                                                             | A36, -            | 1 |  |   |   |  |  |   |   |   |   |    |    |    |    |    |    |    |    |
| *36:02                                                                           | A36               | 1 |  | 3 |   |  |  |   |   |   |   |    |    |    |    |    | 16 |    |    |
| *36:04                                                                           | A36               | 1 |  |   | 4 |  |  |   |   |   |   |    |    |    |    |    |    |    |    |
| *43:01                                                                           | A43               |   |  |   |   |  |  |   |   |   |   |    | 11 | 12 |    |    |    |    |    |
| *66:01, 66:04-66:08, 66:10-66:11, 66:13-66:15                                    | A66, A26, -       |   |  |   |   |  |  |   | 7 |   |   | 10 |    | 12 |    |    |    |    |    |
| *66:02-66:03                                                                     | A66, A10          |   |  |   |   |  |  |   | 7 |   |   |    | 11 |    |    |    |    |    |    |
| *66:09                                                                           | -                 |   |  |   |   |  |  |   |   |   |   |    |    |    |    |    |    |    |    |

[illegible]

[illegible]