

| 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 <sup>1,2</sup>  | ser <sup>3</sup>                                   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                  |
| *01:01:01:01:01:01:22, 01:01:24-01:01:31, 01:01:33-01:01:47, 01:01:49-01:01:55, 01:01:57-01:01:59, 01:01:61-01:01:64, 01:01:67-01:02, 01:07, 01:09:01-01:11N, 01:16N, 01:18N, 01:22N-01:27N, 01:29, 01:31N-01:33, 01:35-01:42, 01:44-01:50, 01:52:01N-01:52:02N, 01:54-01:62, 01:64, 01:67:01-01:68, 01:70-01:72, 01:74-01:78, 01:80-01:94, 01:96-01:97, 01:100-01:120, 01:122-01:125, 01:128-01:129, 01:131-01:133, 01:135, 01:137-01:142, 01:144, 01:146, 01:148, 01:150-01:158, 01:160N-01:166, 01:168-01:170, 01:172-01:175, 01:177, 01:180-01:187, 01:189-01:191, 01:193, 01:195-01:199, 01:201-01:204, 01:206-01:207 | A1, Null, -  | 1 |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 26 |    |    |    |    |    |    |    |    |                  |
| *01:01:23, 01:01:48, 01:01:65-01:01:66, 01:08, 01:30, 01:79, 01:99, 01:147Q, 01:149, 01:159, 01:167, 01:178N-01:179N, 01:205, 01:208Q  | A1, Null, -  | 1 |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 26 |    |    |    |    |    |    |    |    |                  |
| *01:01:32, 01:01:60, 01:69:01-01:69:02, 01:143, 01:171, 01:188   | -  |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 26 |    |    |    |    |    |    |    |    |                  |
| *01:01:56  | -  | 1 |   |   | 4 |   |   |   |   |   |    |    |    | w  |    |    |    |    |    |    |    |    |    |    |    |    | 26 |    |    |    |    |    | 30 |    |    |    |                  |
| *01:03, 01:06, 01:20, 01:53N, 01:63, 01:65-01:66, 01:73, 01:98, 01:127, 01:130   | A1, Null, -  | 1 |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                  |
| *01:04N  | Null   | 1 |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 26 |    |    |    |    | 30 | 31 |    |    |                  |
| *01:12, 01:19, 01:200  | A1, -  | 1 |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 27               |
| *01:13, 01:176   | A1, -  | 1 |   |   | 4 |   |   |   |   |   |    | 11 |    | 13 |    | 15 |    |    |    |    |    |    |    |    |    |    |    | 26 |    |    |    |    |    |    |    | 28 |                  |
| *01:14-01:15N  | A1, Null   | 1 |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                  |
| *01:17   | A1   | 1 |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 26 |    |    |    |    |    |    |    | 28 |                  |
| *01:21, 01:126   | A1, -  | 1 |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 26 |    |    |    |    |    |    |    | 27 |                  |
| *01:28   | -  | 1 |   |   | 4 |   |   |   |   |   |    | 11 |    |    |    | 15 |    |    |    |    |    |    |    |    |    |    |    | 26 |    |    |    |    |    |    |    |    |                  |
| *01:43   | -  | 1 |   |   | 4 |   |   |   |   |   |    | 10 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 26 |    |    |    |    |    |    |    |    |                  |
| *01:51   | -  | 1 |   |   | 4 |   |   |   |   |   |    | 10 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 26 |    |    |    |    |    |    |    |    |                  |
| *01:95   | -  | 1 |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    | 26 |    |    |    |    |    |    |    |    |                  |
| *01:121  | -  | 1 |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    | 19 |    |    |    |    | 26 |    |    |    |    |    |    |    |    |                  |
| *01:134  | -  | 1 |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 26 |    |    |    |    |    |    | 29 |    |                  |
| *01:136, 01:192  | -  | 1 |   |   | 4 |   |   |   |   |   |    | 11 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 26 |    |    |    |    |    |    |    |    |                  |
| *01:145  | -  | 1 |   |   |   |   |   |   |   |   |    |    |    |    | w  |    |    |    |    |    |    |    |    |    |    |    |    | 26 |    |    |    |    |    |    |    |    |                  |
| *01:194  | -  | 1 |   |   | 4 |   |   |   |   |   |    |    |    |    | 13 |    | 15 |    |    |    |    |    |    |    |    |    |    | 26 |    |    |    |    |    |    |    | 28 |                  |
| 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 |    |    |    |                  |
| *02:01:01:01:02:01:15, 02:01:17-02:01:19, 02:01:21-02:01:81, 02:01:83-02:16, 02:18-02:22:02, 02:24-01:02:33, 02:36-02:45, 02:47, 02:49-02:54, 02:57-02:61, 02:63-02:64:02, 02:66-02:69, 02:71-02:77, 02:79:01-02:97:02, 02:99, 02:101:01-02:102, 02:104-02:107, 02:109, 02:111-02:128, 02:130-02:134, 02:136-02:155, 02:157:01-02:168, 02:170-02:236, 02:238-02:242, 02:244-02:267, 02:269-02:299, 02:301N-02:302, 02:304-02:308, 02:310-02:337, 02:339-02:406, 02:408-02:448, 02:450-02:453, 02:455-02:526, 02:528-02:570, 02:572-02:579, 02:581, 02:583-02:590, 02:592-02:616, 02:618Q-02:634                            | A2, Low A2, -, A203/A2, A210/A2, A2/blank, Null, - |   |   |   | 2 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                  |
| *02:17:01-02:17:03   | A2, -  |   | 2 |   |   |   |   |   | w |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 21               |
| *02:34-02:35:01, 02:35:03, 02:56:01-02:56:02, 02:62, 02:103, 02:580  | A2, -  |   |   | 2 |   |   |   |   |   |   |    |    |    |    | 13 |    |    |    |    |    |    |    | 20 |    | 22 |    |    |    |    |    |    |    |    |    | 28 |    |                  |
| *02:35:02  | A2   |   |   |   |   |   |   |   |   |   |    |    |    |    | 13 |    |    |    |    |    |    |    | 20 |    | 22 |    |    |    |    |    |    |    |    | 28 |    |    |                  |
| *02:46, 02:70  | A2   |   | 2 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    | 20 |    | 22 |    |    |    |    |    |    |    |    |    |    |    |                  |
|  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Negative Control |



|  |   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|--|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| *03:95   | -   |   |   |   |   |   |   |   |   |   |    |    | 13 | 14 | 16 |    |    |    |    |    |    |    | 23 |    |    |    |    | 28 |    |    |    |    |    |    |
| *03:152  | -   |   |   | 3 | 5 |   |   |   |   |   |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    | 27 |    |    |    |    |    |
| *03:187  | -   |   |   |   |   |   |   |   |   |   |    |    | 13 |    |    |    |    |    |    |    |    |    | 22 |    |    |    |    |    | 28 |    |    |    |    |    |
| *03:219  | -   |   |   | 3 |   |   |   |   |   |   |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    | 27 | 28 |    |    |    |    |
| *03:231  | -   |   |   | 3 |   |   |   |   |   |   |    |    | 13 | 14 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 28 |    |    |    |    |
| *03:246  | -   |   |   | 3 |   |   |   |   |   |   |    |    | 13 |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    | 27 | 28 |    |    |    |    |
| *03:248  | -   |   |   | 3 |   |   |   |   |   |   |    |    | 13 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 27 | 28 |    |    | 31 |    |
| 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 |    |
| *11:01:01:01-11:02:06, 11:04-11:05, 11:07-11:09, 11:13-11:16, 11:19, 11:22-11:24:02, 11:26-11:27, 11:29-11:30, 11:32:01-11:34, 11:36-11:39, 11:41-11:52Q, 11:54-11:59, 11:61-11:93, 11:95-11:111, 11:114-11:115N, 11:117-11:129, 11:131-11:138, 11:141-11:154, 11:156-11:157, 11:159-11:161, 11:163-11:165, 11:167-11:174, 11:176-11:182Q, 11:184-11:190, 11:192-11:198, 11:200-11:208N, 11:210N, 11:212-11:221, 11:224-11:225, 11:227-11:230, 11:232-11:245   | A11, Null, -                                  |   |   |   | 4 |   |   |   |   |   |    | 11 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *11:03, 11:20, 11:25:01-11:25:02, 11:31, 11:35, 11:60, 11:158, 11:175, 11:209  | A11, -  |   |   |   | 4 |   |   |   |   |   |    | 11 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 27 |    |    |    |    |    |
| *11:06, 11:18  | A11, -  |   |   |   | 4 |   |   |   |   |   |    | 11 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 29 |    |    |
| *11:10   | A11   |   |   |   | 4 |   |   | 8 |   |   |    | 11 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *11:11   | -   |   |   |   | 4 |   |   |   |   |   |    | 11 | 12 |    |    |    |    |    |    |    |    |    |    |    |    |    | 26 |    |    |    |    |    |    |    |
| *11:12   | A11   |   |   |   | 4 |   |   |   |   |   |    | 11 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *11:17, 11:40, 11:223  | -   |   |   |   | 4 |   |   |   |   |   | 10 | 11 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *11:21N  | Null  |   |   |   | 4 |   |   |   |   |   |    | 11 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 | 31 |
| *11:94, 11:112, 11:211   | -   |   |   |   | 4 |   |   |   |   |   |    | 11 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 26 |    |    |    |    |    |    |    |
| *11:113, 11:162  | -   |   |   |   | 4 |   |   |   |   |   |    | 11 |    |    |    |    | 15 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *11:116, 11:140, 11:199:01, 11:222   | -   |   |   |   | 4 |   |   |   |   |   |    | 11 |    | 13 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *11:130  | -   |   |   | 3 | 4 |   |   |   |   |   |    | 11 |    |    | 14 |    |    |    |    |    |    |    |    |    | 23 |    |    |    |    |    |    |    |    |    |
| *11:139  | -   |   |   |   | 4 | 5 |   | 7 |   |   |    | 11 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *11:155  | -   |   |   |   | 4 |   |   |   |   |   |    | 11 |    |    |    |    |    |    |    |    |    |    |    |    | 22 |    |    |    |    |    |    |    |    |    |
| *11:166  | -   |   |   |   | 4 |   | 6 |   |   |   |    | 11 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *11:183  | -   |   |   |   | 4 |   |   |   | 8 |   |    | 11 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *11:191  | -   |   |   |   | 4 |   |   |   | 8 |   |    | 11 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *11:199:02   | -   |   |   |   | 4 |   |   |   |   |   |    | 11 |    | 13 |    |    |    |    |    |    | 20 |    |    | 22 |    |    |    |    |    |    |    |    |    |    |
| *11:226  | -   |   |   |   | 4 |   |   |   |   |   |    | 11 |    |    |    |    |    |    |    |    |    |    | 22 |    |    |    | 26 |    | 28 |    |    |    |    |    |
| *11:231  | -   |   |   |   | 4 |   |   |   |   |   |    | 11 |    |    |    |    |    |    |    |    |    |    | ?  |    |    |    |    |    |    |    |    |    |    |    |
| *23:01:01-23:01:12, 23:01:14-23:01:19, 23:03:01-23:06, 23:08N-23:12, 23:15-23:56, 23:58-23:63, 23:65, 23:67-23:68, 23:70-23:74   | A23, Null, -                                  |   |   |   | 5 | 6 |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *23:01:13  | -   |   |   |   | 5 | 6 |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    | 20 |    | 22 |    |    |    |    |    |    |    |    |    |    |
| *23:02   | A23   |   |   |   | 5 | 6 |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    | 21 |    |    |    |    |    |    |    |    |    |    |    |
| *23:07N  | Null  |   |   |   | 5 | 6 |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *23:13   | A23   |   |   |   | 5 | 6 |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *23:14:01-23:14:02, 24:71, 24:315 <sup>4</sup>   | A23, A24, -                                   |   |   |   | 5 | 6 | 7 |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *23:57, 23:66, 24:94, 24:138, 24:188, 24:228 <sup>4</sup>  | -   |   |   |   | 5 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 21 |    |    |    |    |    |    |    |    |    |    |
| *23:64   | -   |   |   |   | 5 | 6 |   |   |   |   |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *24:02:01:01-24:05, 24:08, 24:10:01-24:10:02, 24:13:02, 24:17, 24:20-24:21:03, 24:23, 24:25-24:43, 24:45N-24:50, 24:54-24:56, 24:58-24:63, 24:66-24:70, 24:72-24:81, 24:83N-24:91, 24:93, 24:95-24:103, 24:105-24:107, 24:109-24:111, 24:113, 24:115-24:130, 24:132N-24:137, 24:139-24:166, 24:168-24:187, 24:189-24:203, 24:205-24:206, 24:208-24:210, 24:212, 24:214-24:221, 24:223-24:227, 24:229-24:242, 24:244-24:287, 24:289, 24:292-24:293, 24:295, 24:297-24:303N, 24:305-24:314, 24:317-24:323N, 24:325-24:338, 24:341, 24:343-24:346, 24:348 | A24, Low A24, A2403 /A24, A9, A24/A9, Null, - |   |   |   | 5 |   |   | 7 |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

Negative Control







