

| 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 |
|----------------------------------------------------------------------------------------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| <b>DRB1 allele<sup>1,2,3</sup></b>                                                                       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <b>*12:01:01:01-12:01:01:05, 12:01:04-12:01:09, 12:28, 12:30, 12:34-12:35, 12:40-12:41, 12:54, 12:59</b> | 1 | 2 |   | 4 | 5 | 6 | 7 | 8 | 9 |    |    |    |    |    |    |    |    |    |    |    | 21 |    |    |    |
| <b>*12:01:02-12:01:03</b>                                                                                | 1 | 2 |   | 4 | 5 | 6 | 7 | 8 |   |    |    |    |    |    |    |    |    |    |    |    | 21 |    |    |    |
| <b>*12:02:01:01-12:02:01:04, 12:02:03-12:02:06, 12:32, 12:44, 12:50, 12:61, 12:67</b>                    | 1 | 2 |   | 4 | 5 | 6 | 7 |   | 9 | 10 |    |    |    |    |    |    |    |    |    |    | 21 |    |    |    |
| <b>*12:02:02, 12:55</b>                                                                                  | 1 | 2 |   | 4 | 5 | 6 | 7 |   |   | 10 |    |    |    |    |    |    |    |    |    |    | 21 |    |    |    |
| <b>*12:02:07, 12:51-12:52</b>                                                                            | 1 | 2 |   | 4 | 5 | 6 | 7 |   | 9 | 10 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <b>*12:03:02</b>                                                                                         | 1 | 2 |   | 4 | 5 |   |   | 8 |   |    | 11 |    |    |    |    |    |    |    |    |    | 21 |    |    |    |
| <b>*12:03:03</b>                                                                                         | 1 | 2 |   | 4 | 5 |   |   | 8 | 9 |    | 11 |    |    |    |    |    |    |    |    |    | 21 |    |    |    |
| <b>*12:04</b>                                                                                            | 1 | 2 |   | 4 |   | 6 | 7 | 8 | 9 |    |    | 12 |    |    |    |    |    |    |    |    | 21 |    |    |    |
| <b>*12:05</b>                                                                                            | 1 | 2 |   |   | 5 | 6 | 7 | 8 |   |    |    |    | 13 |    |    |    |    |    |    |    | 21 |    |    |    |
| <b>*12:06</b>                                                                                            | 1 | 2 |   | 4 | 5 | 6 | 7 | 8 | 9 |    |    |    |    | 14 |    |    |    |    |    |    | 21 |    |    |    |
| <b>*12:07</b>                                                                                            | 1 | 2 |   | 4 | 5 | 6 | 7 |   | 9 |    |    |    |    |    | 15 |    |    |    |    |    | 21 |    |    |    |
| <b>*12:08</b>                                                                                            | 1 | 2 |   | 4 | 5 | 6 |   | 8 | 9 |    |    |    |    |    |    | 16 |    |    |    |    | 21 |    |    |    |
| <b>*12:09</b>                                                                                            | 1 | 2 | 3 | 4 |   | 6 | 7 | 8 | 9 |    |    |    |    |    |    |    |    |    |    |    | 21 |    |    |    |
| <b>*12:10</b>                                                                                            | 1 | 2 |   | 4 | 5 | 6 | 7 | 8 | 9 |    |    |    |    |    |    |    | 17 |    |    |    | 21 |    |    |    |
| <b>*12:11</b>                                                                                            | 1 | 2 |   | 4 | 5 | 6 | 7 | 8 | 9 |    |    |    |    |    |    |    |    | 18 |    |    | 21 |    |    |    |
| <b>*12:12</b>                                                                                            | 1 | 2 |   | 4 | 5 | 6 | 7 |   | 9 |    |    |    |    |    |    |    |    |    | 19 |    | 21 |    |    |    |
| <b>*12:13</b>                                                                                            | 1 | 2 |   | 4 | 5 | 6 | w |   | 9 | 10 |    |    |    |    |    |    |    |    |    | 20 | 21 |    |    |    |
| <b>*12:14</b>                                                                                            | 1 | 2 |   |   | 5 | 6 | 7 | 8 |   |    |    |    | 13 |    |    |    |    |    |    |    |    |    |    |    |
| <b>*12:15</b>                                                                                            | 1 | 2 |   |   | 5 | 6 | 7 |   |   | 10 |    |    | 13 |    |    |    |    |    |    |    | 21 |    |    |    |
| <b>*12:16:01, 12:16:03</b>                                                                               | 1 | 2 |   | 4 | 5 |   |   |   |   | 10 |    |    |    |    |    |    |    |    |    |    | 21 | 22 |    |    |
| <b>*12:16:02</b>                                                                                         | 1 | 2 |   | 4 | 5 |   |   |   | 9 | 10 |    |    |    |    |    |    |    |    |    |    | 21 | 22 |    |    |
| <b>*12:17</b>                                                                                            | 1 | 2 |   | 4 | 5 | 6 | 7 | 8 | 9 |    |    |    |    |    |    |    |    |    |    |    | 21 |    | 23 |    |
| <b>*12:18</b>                                                                                            | 1 | 2 |   | 4 |   | 6 | 7 |   | 9 | 10 |    |    |    |    | 15 |    |    |    |    |    | 21 |    |    |    |
| <b>*12:19</b>                                                                                            | 1 | 2 |   | 4 | 5 |   |   |   | 9 | 10 | 11 |    |    |    |    |    |    |    |    |    | 21 |    |    |    |
| <b>*12:20</b>                                                                                            | 1 | 2 |   | 4 | 5 | 6 | 7 |   | 9 | 10 |    |    | 13 |    |    |    |    |    |    |    | 21 |    |    |    |
| <b>*12:21</b>                                                                                            |   | 2 |   | 4 | 5 | 6 | 7 |   | 9 | 10 |    |    |    |    |    |    |    |    |    |    | 21 | 22 |    |    |
| <b>*12:22</b>                                                                                            | 1 |   |   | 4 | 5 |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    | 21 | 22 |    |    |
| <b>*12:23</b>                                                                                            | 1 | 2 |   | 4 | 5 | 6 |   |   | 9 | 10 |    |    |    |    |    | 16 |    |    |    | 20 | 21 |    |    |    |
| <b>*12:24N</b>                                                                                           | 1 | 2 |   | 4 | 5 | 6 | 7 | 8 | 9 |    |    |    | 13 |    |    |    |    |    |    |    | 21 |    |    |    |
| <b>*12:25</b>                                                                                            | 1 | 2 |   | 4 | 5 | 6 | 7 | 8 | 9 |    |    |    |    |    |    |    | 17 |    |    |    | 21 |    | 23 |    |
| <b>*12:26</b>                                                                                            | 1 | 2 |   | 4 | 5 | 6 | 7 |   | 9 | 10 |    |    |    |    |    |    |    | 18 |    |    | 21 |    |    |    |
| <b>*12:27</b>                                                                                            | 1 | 2 |   | 4 | 5 | 6 |   |   | 9 | 10 |    |    |    |    |    | 16 |    |    |    |    | 21 |    |    |    |
| <b>*12:29, 12:36, 12:63</b>                                                                              | 1 | 2 |   | 4 | 5 | 6 | 7 | 8 | 9 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <b>*12:31N</b>                                                                                           | 1 | 2 |   | 4 | 5 | 6 | 7 |   | 9 | 10 |    |    |    |    |    | 16 |    |    |    |    | 21 |    |    |    |
| <b>*12:33</b>                                                                                            | 1 | 2 |   | 4 |   | 6 | 7 |   | 9 | 10 |    |    |    |    |    |    |    |    |    |    | 21 |    |    |    |
| <b>*12:37, 12:64-12:65</b>                                                                               | 1 | 2 |   | 4 | 5 | 6 |   |   | 9 | 10 |    |    |    |    |    |    |    |    |    |    | 21 |    |    |    |
| <b>*12:38</b>                                                                                            |   | 2 |   |   | 5 | 6 | 7 | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    | 22 |    |    |
| <b>*12:39</b>                                                                                            | 1 | 2 |   | 4 | 5 |   |   | 8 | 9 |    |    |    |    |    |    |    |    |    |    |    | 21 | 22 |    |    |
| <b>*12:42</b>                                                                                            |   |   |   |   |   |   | 7 |   | 9 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <b>*12:43</b>                                                                                            | 1 |   |   | 4 | 5 | 6 | 7 |   |   | 10 |    |    |    |    |    |    |    |    |    |    | 21 |    |    |    |
| <b>*12:45</b>                                                                                            | 1 | 2 |   | 4 | 5 | 6 | 7 |   | 9 | 10 |    |    |    |    |    |    |    |    | 19 |    |    |    |    |    |
| <b>*12:46</b>                                                                                            | 1 | 2 |   | 4 |   | 6 | 7 | 8 | 9 |    |    |    |    |    |    |    |    |    |    |    | 21 |    |    |    |
| <b>*12:47</b>                                                                                            | 1 | 2 |   | 4 |   | 6 | 7 | 8 | 9 |    |    |    |    |    | 15 |    |    |    |    |    | 21 |    |    |    |
| <b>*12:48</b>                                                                                            | 1 | 2 | 3 | 4 |   | 6 | 7 | 8 | 9 |    |    |    |    |    |    |    | 17 |    |    |    | 21 |    |    |    |
| <b>*12:49</b>                                                                                            | 1 | 2 |   | 4 |   | 6 | 7 |   | 9 | 10 |    | 12 |    |    |    |    |    |    |    |    | 21 |    |    |    |
| <b>*12:53</b>                                                                                            |   | 2 |   | 4 | 5 | 6 | 7 | 8 | 9 |    |    |    |    |    |    |    |    |    |    |    | 21 | 22 |    |    |
| <b>*12:56</b>                                                                                            | 1 | 2 |   |   | 5 | 6 | 7 |   |   | 10 |    |    | 13 |    |    |    |    |    |    |    |    |    |    |    |
| <b>*12:57</b>                                                                                            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    | 20 |    |    |    |    |
| <b>*12:58</b>                                                                                            | 1 | 2 |   |   | 5 | 6 | 7 | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <b>*12:60N</b>                                                                                           | 1 | 2 |   | 4 | 5 | 6 |   |   | 9 | 10 |    |    |    |    |    |    | 17 |    |    |    | 21 |    | 23 |    |
| <b>*12:62</b>                                                                                            | 1 | 2 | 3 | 4 |   | 6 | 7 |   |   |    |    |    |    |    |    |    |    |    | 19 |    | 21 |    |    |    |
| <b>*12:66</b>                                                                                            | 1 |   |   | 4 | 5 | 6 | 7 |   |   |    |    |    |    |    |    |    |    |    |    |    | 21 |    |    |    |
| <b>Well No.</b>                                                                                          | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |

Negative Control

| 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 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| *01:01:01-01:25, 01:27-01:83                                                                                                                                                                               |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 23 |
| *01:26, DRB5*02:07                                                                                                                                                                                         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    | 23 |
| *03:92, 14:175                                                                                                                                                                                             | 1 |   | 3 |   |   |   |   |   |   |    | 11 |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *03:124, 15:01:01-01-15:01:16,<br>15:01:18-15:101, 15:103-15:147,<br>16:01:01-16:05:02, 16:07-16:47                                                                                                        |   |   |   |   |   |   |   |   |   |    |    |    |    | w  |    |    |    |    |    |    |    |    |    |    |
| *08:01:01-08:01:02, 08:01:04-<br>08:01:05, 08:07-08:08, 08:11, 08:16,<br>08:26, 08:39, 08:43, 08:50, 08:55,<br>08:64, 08:77-08:79                                                                          |   |   |   |   |   |   |   |   |   | 10 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *08:02:01:01-08:02:04, 08:09, 08:21,<br>08:42, 08:44, 08:72-08:73, 08:82                                                                                                                                   |   |   | 3 |   |   |   |   |   |   | 10 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *08:03:02:01-08:03:06, 08:15, 08:23,<br>08:27, 08:29, 08:30:02, 08:33, 08:35-<br>08:36:02, 08:38, 08:46, 08:49, 08:51,<br>08:56, 08:58, 08:60N-08:62, 08:65-<br>08:66, 08:68-08:69, 08:71, 08:74,<br>08:76 |   |   |   |   |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *08:04:01, 08:04:04-08:04:05,<br>08:04:07, 08:59, 08:67, 14:15                                                                                                                                             |   |   | 3 |   |   |   |   |   |   | 10 | 11 |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *08:04:02-08:04:03                                                                                                                                                                                         |   |   | 3 |   |   |   |   |   |   | 10 | w  |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *08:04:06, 08:06, 08:54, 08:70, 14:73                                                                                                                                                                      |   |   |   |   |   |   |   |   |   | 10 | 11 |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *08:05                                                                                                                                                                                                     |   | 2 |   |   |   |   |   |   |   | 10 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *08:10                                                                                                                                                                                                     |   |   |   |   |   |   |   | 8 |   |    | 11 |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *08:12                                                                                                                                                                                                     |   |   |   |   |   | 6 |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *08:13                                                                                                                                                                                                     |   |   | 3 |   |   |   |   |   |   |    |    |    |    |    |    |    |    | 19 |    |    |    |    |    |    |
| *08:17                                                                                                                                                                                                     | 1 |   |   |   |   |   |   |   |   | 10 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *08:18, 08:40, 08:47                                                                                                                                                                                       |   | 2 |   |   |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *08:19, 08:34                                                                                                                                                                                              |   |   |   |   | 5 |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *08:22                                                                                                                                                                                                     |   |   |   |   |   | 6 |   |   |   | 10 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *08:24:01-08:24:02                                                                                                                                                                                         |   | 2 | 3 |   |   |   |   |   |   | 10 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *08:25                                                                                                                                                                                                     |   | 2 |   |   | 5 |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *08:28                                                                                                                                                                                                     | 1 |   | 3 |   |   |   |   |   |   | 10 | 11 |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *08:30:01, 08:30:03                                                                                                                                                                                        |   |   | 3 |   |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *08:31                                                                                                                                                                                                     |   | 2 |   |   |   |   |   |   |   | 10 | 11 | 12 |    |    |    |    |    |    |    |    |    |    |    |    |
| *08:32                                                                                                                                                                                                     |   |   |   | 4 |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    | 21 | 22 |    |    |
| *08:37                                                                                                                                                                                                     | 1 |   |   |   |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *08:41                                                                                                                                                                                                     |   | 2 |   |   |   |   |   |   |   | 10 |    | 12 |    |    |    |    |    |    |    |    |    |    |    |    |
| *08:45:01-08:45:02                                                                                                                                                                                         | 1 |   | 3 |   |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *08:48                                                                                                                                                                                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    | 19 |    |    |    |    |    |    |
| *08:52                                                                                                                                                                                                     |   |   |   |   | 5 |   |   |   |   | 10 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *08:53                                                                                                                                                                                                     |   |   |   | 4 |   |   |   | 8 |   |    |    |    |    |    | 16 |    |    |    |    |    | 21 |    |    |    |
| *08:63                                                                                                                                                                                                     | 1 |   |   |   |   |   |   | 8 |   |    |    | 12 |    |    |    |    |    |    |    |    |    |    |    |    |
| *08:75                                                                                                                                                                                                     |   |   |   |   |   |   |   |   |   | 10 | 11 | 12 |    |    |    |    |    |    |    |    |    |    |    |    |
| *08:81                                                                                                                                                                                                     |   |   | 3 |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *11:67                                                                                                                                                                                                     | 1 |   |   |   |   |   |   |   |   | 10 | 11 | 12 |    |    |    |    |    |    |    |    |    |    |    |    |
| *11:76, 11:114, 11:183, 11:196,<br>13:34, 13:64, 13:136, 13:174, 13:204,<br>13:221, 14:41, 14:77, 14:110,<br>DRB3*01:36, DRB3*02:37,<br>DRB3*03:12                                                         |   |   |   |   |   |   |   |   |   |    |    |    |    |    | 16 |    |    |    |    |    |    |    |    |    |
| *11:193:01-11:193:02                                                                                                                                                                                       | 1 | 2 |   |   |   |   |   |   |   | 10 |    | 12 |    |    |    |    |    |    |    |    |    |    |    |    |
| *11:209                                                                                                                                                                                                    | 1 | 2 |   |   |   |   |   |   |   | 10 | 11 | 12 |    |    |    |    |    |    |    |    |    |    |    |    |
| *13:17, 13:175, 13:214                                                                                                                                                                                     | 1 | 2 | 3 |   |   |   |   |   |   |    | 11 |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *13:116, 14:52                                                                                                                                                                                             |   | 2 | 3 |   |   |   |   |   |   |    | 11 |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *13:145                                                                                                                                                                                                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 22 |    |
| 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 |

Negative Control

| 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 |
|---------------------------------------------------------------------------------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| *13:163                                                                                           |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |
| *14:04:01-14:04:03, 14:50, 14:76,<br>14:79, 14:107, 14:120, 14:126:02,<br>14:145, 14:152N, 14:180 |   |   |   |   |   |   |   |   |   |    | 11 |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *14:11, 14:148                                                                                    |   |   |   |   |   |   |   |   |   |    | 11 | 12 |    |    |    |    |    |    |    |    |    |    |    |    |
| *14:28                                                                                            |   |   |   |   |   | 6 |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *14:31                                                                                            |   | 2 |   |   |   |   |   |   |   |    | 11 |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *14:126:01                                                                                        |   |   | 3 |   |   |   |   |   |   |    | 11 |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *14:138                                                                                           | 1 |   |   |   |   |   |   |   |   |    | 11 |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *15:102                                                                                           |   |   |   |   |   |   |   |   |   |    |    |    |    | w  |    | 16 |    |    |    |    |    |    |    |    |
| DRB4*01:01:02                                                                                     |   |   |   |   |   |   |   |   |   |    |    |    |    | ?  |    |    |    |    |    |    |    |    |    |    |
| 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 |

Negative Control