

| Well No.                                                                                                                                                                                                                                                                               | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| HLA-C allele <sup>1,2</sup>                                                                                                                                                                                                                                                            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
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| *01:43                                                                                                                                                                                                                                                                                 | 73 | 74 |    |    |    |    |    |    |    |    | 82 |    |    |    |    |    |    |    |    | 92 |    |    |    |    |
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| *02:12                                                                                                                                                                                                                                                                                 |    | 74 | 75 |    |    | 78 |    |    |    |    |    |    | 85 |    | 87 |    |    |    |    |    |    |    |    |    |
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| *02:26:01                                                                                                                                                                                                                                                                              |    | 74 |    |    |    |    |    |    |    |    | 83 |    |    |    | 87 |    |    |    |    |    |    |    |    |    |
| *02:27:01-02:27:02                                                                                                                                                                                                                                                                     |    | 74 | 75 |    |    | 78 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *02:47                                                                                                                                                                                                                                                                                 |    | 74 | 75 |    |    | 78 |    | 80 |    |    | 83 |    |    |    | 87 |    |    |    |    |    |    |    |    |    |
| *02:49                                                                                                                                                                                                                                                                                 |    | 74 | 75 |    |    | 78 |    |    |    |    | 83 |    | 85 |    | 87 |    |    | 90 |    |    |    |    |    |    |
| *02:55                                                                                                                                                                                                                                                                                 |    | 74 | 75 |    |    | 78 |    |    |    |    | 83 |    | 85 |    | 87 |    |    |    |    |    |    |    |    |    |
| *02:58                                                                                                                                                                                                                                                                                 |    |    | 75 |    |    | 78 |    |    |    |    | 83 |    |    |    | 87 |    |    |    |    |    |    |    |    |    |
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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|
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| Well No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 |  |
| Well No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 |  |
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Negative Control

Negative Control



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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|----|----|----|----|----|----|--|
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| Well No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90    | 91 | 92 | 93 | 94 | 95 | 96 |  |
| Well No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90    | 91 | 92 | 93 | 94 | 95 | 96 |  |
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| *07:123, 07:173, 07:294                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |    |    |    |    |    |    |    |    | 81 |    |    |    |    |    |    |    | 89 |       |    |    |    |    | 95 |    |  |
| *07:125                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |    |    |    |    |    | 78 |    |    | 81 |    |    |    | 85 | 86 |    |    |    |       |    |    |    |    | 95 |    |  |
| *07:154                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |    |    |    |    |    |    |    |    | 81 |    |    |    |    |    |    |    |    | 90    |    |    |    |    | 95 |    |  |
| *07:177                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |    |    |    |    |    |    |    |    | 81 |    |    |    | 86 |    |    |    |    | 90    |    |    |    |    |    |    |  |
| *07:210, 07:238                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |    |    |    |    |    | 81 |    | 83 |    |    |    |    |    |    |       |    | 92 |    |    |    |    |  |
| *07:242                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |    |    |    | 76 |    |    |    |    | 81 |    |    |    |    |    |    |    |    |       |    |    |    |    | 95 |    |  |
| *07:316, 07:338                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 73 |    |    |    |    |    |    |    | 81 |    |    |    |    |    |    |    |    |       |    |    |    |    | 95 |    |  |
| *08:01:01-08:01:13, 08:03:01-08:03:03, 08:06, 08:08:01-08:08:02, 08:14, 08:16:01-08:16:02, 08:20, 08:22, 08:24, 08:26N, 08:28, 08:36N, 08:38, 08:40-08:42, 08:44, 08:46, 08:50, 08:56-08:61, 08:65, 08:72:01-08:72:02, 08:78-08:82, 08:84-08:89N, 08:91, 08:96-08:99, 08:101-08:102                                                                                                                                                                                                                                                                                                                                 |    |    |    |    |    |    |    |    |    | 82 |    |    |    |    |    |    |    | 90    |    |    |    | 93 |    |    |  |
| *08:02:01:01-08:02:10, 08:04:01-08:04:03, 08:13, 08:15:01-08:15:02, 08:17-08:19, 08:23, 08:27, 08:29-08:30, 08:32-08:35, 08:37, 08:39, 08:43, 08:45, 08:49, 08:51-08:55N, 08:62-08:63, 08:66-08:71, 08:73-08:77, 08:90, 08:92-08:94, 08:100                                                                                                                                                                                                                                                                                                                                                                         |    |    |    |    |    |    |    |    |    | 82 |    |    |    |    |    |    |    |       |    |    |    | 93 |    |    |  |
| *08:05, 08:25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |    |    |    |    |    |    |    |    | 82 |    |    | 85 |    |    |    |    |       |    |    |    | 93 |    |    |  |
| *08:07, 08:47                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |    |    |    |    |    |    |    |    | 82 |    |    |    |    |    |    |    |       | 91 |    |    | 93 |    |    |  |
| *08:09, 08:11, 08:83                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |    |    |    |    |    |    |    |    | 82 |    |    |    |    |    |    |    | 90    |    |    |    |    |    |    |  |
| *08:10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |    |    |    |    |    | 79 |    |    | 82 | 83 |    |    | 87 |    |    |    | 90    |    |    |    | 93 |    |    |  |
| *08:12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |    |    |    |    |    |    |    |    | 82 |    |    |    |    |    |    |    |       |    | 92 |    | 93 |    |    |  |
| *08:21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |    |    |    |    |    |    |    |    | 82 |    |    | 85 |    |    |    |    | 90    |    |    |    | 93 |    |    |  |
| *08:31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    | 74 |    |    |    |    |    |    |    | 82 |    |    |    |    |    |    |    |       |    |    |    | 93 |    |    |  |
| *08:48                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |    |    |    |    |    |    |    |    | 82 |    |    |    |    |    |    |    |       |    |    |    |    |    |    |  |
| *08:95                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |    |    |    |    |    |    |    |    | 82 |    |    |    |    |    | 88 |    | 90    |    |    |    | 93 |    |    |  |

|                                                                                                                                                                                                                                                                                                                                                                                                                           |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |                  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|------------------|--|
| *12:02:01-12:02:10, 12:10:01-12:10:02, 12:17-12:18:01, 12:20, 12:22, 12:27, 12:30, 12:36, 12:40, 12:56, 12:64, 12:67-12:69, 12:73-12:74, 12:80N, 12:83-12:86, 12:96, 12:103-12:106, 12:112, 12:114                                                                                                                                                                                                                        |    |    |    |    |    |    |    |    |    |    |    |    | 84 | 85 |    |    |    |    |    |    |    |    |    |    |  | Negative Control |  |
| *12:02:11                                                                                                                                                                                                                                                                                                                                                                                                                 |    |    |    |    |    |    |    | 80 |    |    |    |    | 84 |    |    |    |    |    |    |    |    |    |    |    |  |                  |  |
| *12:03:01:01-12:03:01:02, 12:03:03, 12:03:05-12:03:07, 12:03:10-12:03:12, 12:03:14-12:03:15, 12:03:17-12:03:19, 12:03:21-12:03:22, 12:03:25, 12:03:27-12:03:29, 12:06-12:07, 12:11-12:13, 12:19, 12:23, 12:25, 12:29, 12:32, 12:34-12:35, 12:37-12:39N, 12:42Q-12:43, 12:45-12:48, 12:50-12:53, 12:57, 12:61-12:63, 12:65-12:66, 12:70-12:71, 12:75-12:79, 12:82, 12:87-12:95, 12:97, 12:99-12:102, 12:107-12:111, 12:115 |    |    |    |    |    |    |    |    |    |    |    |    | 84 | 85 | 86 |    |    |    |    |    |    |    |    |    |  |                  |  |
| *12:03:02, 12:03:08, 12:03:16, 12:03:20, 12:26, 12:59                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 85 | 86 |    |    |    |    |    |    |    |    |  |                  |  |
| *12:03:04, 12:98                                                                                                                                                                                                                                                                                                                                                                                                          |    |    |    |    |    |    |    |    |    |    |    |    | 84 |    | 86 |    |    |    |    |    |    |    |    |    |  |                  |  |
| *12:03:09                                                                                                                                                                                                                                                                                                                                                                                                                 |    |    |    |    |    |    |    | 80 |    |    |    |    | 84 |    | 86 |    |    |    |    |    |    |    |    |    |  |                  |  |
| *12:03:13, 12:03:24                                                                                                                                                                                                                                                                                                                                                                                                       |    |    |    |    |    |    |    |    |    |    |    |    | 84 | w  | 86 |    |    |    |    |    |    |    |    |    |  |                  |  |
| *12:03:23                                                                                                                                                                                                                                                                                                                                                                                                                 |    | 75 |    |    |    |    |    |    |    |    |    |    | 84 | 85 | 86 |    |    |    |    |    |    |    |    |    |  |                  |  |
| *12:03:26                                                                                                                                                                                                                                                                                                                                                                                                                 |    |    |    |    |    |    |    | 80 |    |    |    |    | 84 | 85 | 86 |    |    |    |    |    |    |    |    |    |  |                  |  |
| *12:04:01                                                                                                                                                                                                                                                                                                                                                                                                                 |    |    |    |    |    |    |    |    |    |    |    | 83 |    |    | 86 | 87 |    |    |    |    |    |    |    |    |  |                  |  |
| *12:04:02, 12:60                                                                                                                                                                                                                                                                                                                                                                                                          |    |    |    |    |    |    |    |    |    |    |    | 83 | 84 | 85 | 86 | 87 |    |    |    |    |    |    |    |    |  |                  |  |
| *12:05                                                                                                                                                                                                                                                                                                                                                                                                                    |    |    |    |    |    |    |    |    |    |    |    | 83 | 84 |    | 86 | 87 |    |    |    |    |    |    |    |    |  |                  |  |
| *12:08                                                                                                                                                                                                                                                                                                                                                                                                                    |    |    |    |    |    |    |    |    |    |    |    |    | 84 | 85 |    |    | 89 |    |    |    |    |    |    |    |  |                  |  |
| *12:09                                                                                                                                                                                                                                                                                                                                                                                                                    |    |    |    |    |    |    |    |    |    |    |    | 83 |    |    |    | 87 |    |    |    | 92 |    |    |    |    |  |                  |  |
| *12:14:01                                                                                                                                                                                                                                                                                                                                                                                                                 |    |    |    |    |    |    |    |    |    |    |    |    |    | 85 |    |    |    | 90 | 91 |    |    |    |    |    |  |                  |  |
| *12:14:02                                                                                                                                                                                                                                                                                                                                                                                                                 |    |    |    |    |    |    |    |    |    |    |    |    | 84 | 85 |    |    |    | 90 | 91 |    |    |    |    |    |  |                  |  |
| *12:15                                                                                                                                                                                                                                                                                                                                                                                                                    |    |    |    |    |    |    |    | 80 |    |    |    |    | 84 | 85 | 86 |    | 89 |    |    |    |    |    |    |    |  |                  |  |
| *12:16                                                                                                                                                                                                                                                                                                                                                                                                                    |    |    |    |    |    |    |    |    |    |    |    |    | 84 | 85 |    |    |    |    |    |    |    |    |    | 95 |  |                  |  |
| *12:18:02, B*67:02 <sup>4</sup>                                                                                                                                                                                                                                                                                                                                                                                           |    |    |    |    |    |    |    |    |    |    |    |    |    | 85 |    |    |    |    |    |    |    |    |    |    |  |                  |  |
| *12:21                                                                                                                                                                                                                                                                                                                                                                                                                    |    |    |    |    |    |    |    | 79 |    |    |    | 83 | 84 |    |    | 87 |    |    |    |    |    |    |    |    |  |                  |  |
| *12:24                                                                                                                                                                                                                                                                                                                                                                                                                    |    |    |    |    |    |    |    |    |    |    |    |    | 84 | 85 |    |    |    |    |    | 92 |    |    |    |    |  |                  |  |
| *12:28, 12:58                                                                                                                                                                                                                                                                                                                                                                                                             |    |    |    |    |    |    |    |    |    |    |    |    | 84 | 85 | 86 |    |    | 90 |    |    |    |    |    |    |  |                  |  |
| Well No.                                                                                                                                                                                                                                                                                                                                                                                                                  | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 |  |                  |  |
| Well No.                                                                                                                                                                                                                                                                                                                                                                                                                  | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 |  |                  |  |
| *12:31                                                                                                                                                                                                                                                                                                                                                                                                                    |    |    |    |    |    |    |    |    |    |    |    |    | 84 | 85 | 86 |    |    |    |    |    | 93 |    |    |    |  |                  |  |
| *12:33                                                                                                                                                                                                                                                                                                                                                                                                                    |    |    |    |    |    |    | 79 |    |    |    |    | 83 |    |    | 86 | 87 |    |    |    |    |    |    |    |    |  |                  |  |
| *12:41                                                                                                                                                                                                                                                                                                                                                                                                                    |    |    |    |    |    |    |    |    |    |    |    | 83 | 84 | 85 |    | 87 |    |    |    |    |    |    |    |    |  |                  |  |
| *12:44                                                                                                                                                                                                                                                                                                                                                                                                                    |    |    |    |    |    |    |    |    |    |    |    |    | 84 | 85 |    |    |    |    |    |    | 93 |    |    |    |  |                  |  |
| *12:49                                                                                                                                                                                                                                                                                                                                                                                                                    |    |    |    |    |    |    |    |    |    |    |    |    | 84 |    |    |    |    |    |    |    |    |    |    |    |  |                  |  |
| *12:54                                                                                                                                                                                                                                                                                                                                                                                                                    |    |    |    |    |    |    |    |    |    |    |    | 83 | 84 | 85 | 86 |    |    |    |    |    |    |    |    |    |  |                  |  |
| *12:55                                                                                                                                                                                                                                                                                                                                                                                                                    |    |    |    |    |    |    |    |    |    |    |    |    | 84 | 85 | 86 |    | 88 |    |    |    |    |    |    |    |  |                  |  |
| *12:72                                                                                                                                                                                                                                                                                                                                                                                                                    |    |    |    |    |    |    |    |    |    |    |    |    | 84 | 85 |    | 87 |    |    |    |    |    |    |    |    |  |                  |  |
| *12:81, 12:113                                                                                                                                                                                                                                                                                                                                                                                                            |    |    |    |    |    |    |    |    |    |    |    |    | 84 | 85 | 86 |    | 89 |    |    |    |    |    |    |    |  |                  |  |
| *14:02:01-14:02:07, 14:02:09-14:03, 14:05, 14:07N, 14:11, 14:13-14:14, 14:18-14:24:02, 14:26-14:27, 14:29-14:44, 14:46-14:48, 14:50-14:52, 14:55-14:57, 14:59-14:61                                                                                                                                                                                                                                                       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 88 |    |    |    | 92 |    |    |    |    |  |                  |  |
| *14:02:08                                                                                                                                                                                                                                                                                                                                                                                                                 |    |    |    |    |    |    |    |    |    |    |    |    | 84 |    |    |    | 88 |    |    | 92 |    |    |    |    |  |                  |  |
| *14:04                                                                                                                                                                                                                                                                                                                                                                                                                    |    |    |    |    |    |    |    |    |    |    |    | 83 |    |    |    |    | 88 |    |    | 92 |    |    |    |    |  |                  |  |
| *14:06, 14:08-14:09, 14:28:01, 14:53, A*30:62 <sup>4</sup>                                                                                                                                                                                                                                                                                                                                                                |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 88 |    |    |    |    |    |    |    |  |                  |  |
| *14:10                                                                                                                                                                                                                                                                                                                                                                                                                    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 88 |    | 90 |    | 92 |    |    |    |  |                  |  |
| *14:12, 14:49                                                                                                                                                                                                                                                                                                                                                                                                             |    |    |    |    |    |    |    |    |    |    |    | 83 |    |    |    |    |    |    |    | 92 |    |    |    |    |  |                  |  |
| *14:15                                                                                                                                                                                                                                                                                                                                                                                                                    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 86 |    | 88 |    | 90 |    |    |    |    |    |  |                  |  |
| *14:16                                                                                                                                                                                                                                                                                                                                                                                                                    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 86 |    | 88 |    |    |    |    |    |    |    |  |                  |  |
| *14:17                                                                                                                                                                                                                                                                                                                                                                                                                    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 88 |    |    | 91 | 92 |    |    |    |  |                  |  |
| *14:25                                                                                                                                                                                                                                                                                                                                                                                                                    |    | 74 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 88 |    |    |    | 92 |    | 94 |    |  |                  |  |
| *14:45                                                                                                                                                                                                                                                                                                                                                                                                                    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 87 | 88 |    |    |    | 92 |    |    |    |  |                  |  |
| *14:54                                                                                                                                                                                                                                                                                                                                                                                                                    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 88 |    |    |    |    | 93 |    |    |  |                  |  |

|                                                                                                                                                                                                                                                           |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |    |    |    |    |                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|----|----|----|----|------------------|
| *15:02:01-15:02:09, 15:02:11-15:02:16, 15:02:18-15:02:19, 15:08, 15:10:02-15:10:03, 15:13, 15:15, 15:17-15:18, 15:26, 15:28, 15:31-15:35, 15:38-15:39, 15:41, 15:44-15:45, 15:47-15:53, 15:56-15:57, 15:60, 15:64, 15:67-15:68, 15:73-15:74, 15:78-15:84Q |    |    | 75 |    |    |    |    |    | 80 |    |    |    |    | 83 |    |    |    |    | 87 |    |    | 89 |    |    |  |    | 93 |    |    | Negative Control |
| *15:02:10, 15:02:17                                                                                                                                                                                                                                       |    |    | 75 |    |    |    |    |    | 80 |    |    |    |    | 83 |    |    |    |    | 87 |    |    | 89 |    |    |  |    | 93 | 94 |    |                  |
| *15:03, 15:16                                                                                                                                                                                                                                             |    |    | 75 |    |    |    |    |    | 80 |    |    |    |    | 83 | 85 |    |    |    | 87 |    |    | 89 |    |    |  |    | 93 |    |    |                  |
| *15:04-15:05:08, 15:05:10-15:06:03, 15:09, 15:19, 15:24, 15:27, 15:29-15:30, 15:40, 15:46, 15:54, 15:59, 15:66, 15:69-15:70, 15:76-15:77                                                                                                                  |    |    | 75 |    |    |    |    |    |    |    |    |    |    | 83 |    |    |    |    | 87 |    |    | 89 |    |    |  |    | 93 |    |    |                  |
| *15:05:09, 15:61                                                                                                                                                                                                                                          |    |    |    |    |    |    |    |    |    |    |    |    |    | 83 |    |    |    |    | 87 |    |    | 89 |    |    |  |    | 93 |    |    |                  |
| *15:07                                                                                                                                                                                                                                                    |    |    | 75 |    |    |    |    |    | 80 |    |    |    |    |    |    |    |    |    |    |    |    | 89 |    |    |  |    | 93 |    |    |                  |
| *15:10:01                                                                                                                                                                                                                                                 |    |    |    |    |    |    |    |    | 80 |    |    |    |    | 83 |    |    |    |    | 87 |    |    | 89 |    |    |  |    | 93 |    |    |                  |
| *15:11                                                                                                                                                                                                                                                    |    |    | 75 |    |    |    | 78 |    | 80 |    |    |    |    | 83 |    |    |    |    | 87 |    |    | 89 |    |    |  |    | 93 |    |    |                  |
| *15:12                                                                                                                                                                                                                                                    |    |    |    |    | 77 |    |    |    | 80 |    |    |    |    | 83 |    |    |    |    | 87 |    |    | 89 | 90 |    |  |    | 93 |    |    |                  |
| *15:21, 15:71                                                                                                                                                                                                                                             |    |    | 75 |    |    |    |    |    | 80 |    |    |    |    |    |    |    |    |    | 87 |    |    | 89 |    |    |  |    | 93 |    |    |                  |
| *15:22, 15:55                                                                                                                                                                                                                                             |    |    | 75 |    |    |    |    |    |    |    |    |    |    | 83 |    |    |    |    | 87 |    |    | 89 |    |    |  |    |    |    |    |                  |
| *15:23                                                                                                                                                                                                                                                    |    |    |    |    |    |    |    |    |    |    |    |    |    | 83 |    |    |    |    |    |    |    | 89 |    |    |  |    | 93 |    |    |                  |
| *15:25                                                                                                                                                                                                                                                    |    |    | 75 |    |    |    |    |    |    |    |    |    |    |    | 85 |    |    |    |    |    |    | 90 | 91 |    |  |    | 93 |    |    |                  |
| *15:36                                                                                                                                                                                                                                                    |    |    |    |    |    |    | 78 |    |    |    |    |    |    | 83 |    |    |    |    |    |    |    | 89 |    |    |  |    | 93 |    |    |                  |
| *15:37, 15:58, 15:72                                                                                                                                                                                                                                      |    |    | 75 |    |    |    |    |    | 80 |    |    |    |    | 83 |    |    |    |    | 87 |    |    | 89 |    |    |  |    |    |    |    |                  |
| *15:42                                                                                                                                                                                                                                                    |    | 74 | 75 |    |    |    |    |    | 80 |    |    |    |    | 83 |    |    |    |    | 87 |    |    | 89 |    |    |  |    | 93 |    |    |                  |
| *15:43                                                                                                                                                                                                                                                    |    |    | 75 |    |    |    |    |    | 80 |    |    |    |    |    |    |    |    |    |    |    |    | 89 |    |    |  |    | 93 | 94 |    |                  |
| *15:62                                                                                                                                                                                                                                                    |    |    | 75 |    |    |    |    |    | 80 |    |    |    |    | 83 |    |    |    |    | 87 |    |    | 89 | 90 |    |  |    | 93 |    |    |                  |
| *15:63                                                                                                                                                                                                                                                    |    |    |    |    |    |    |    |    | 80 |    |    |    |    | 83 |    |    |    |    |    |    |    | 89 |    |    |  |    | 93 |    |    |                  |
| *15:65                                                                                                                                                                                                                                                    |    |    | 75 |    |    |    |    |    |    |    |    |    |    | 83 |    |    |    |    | 87 |    |    | 89 | 90 | 91 |  |    |    |    |    |                  |
| *15:75                                                                                                                                                                                                                                                    |    |    | 75 |    |    |    |    |    | 80 |    |    |    |    | 83 | 85 |    |    |    | 87 |    |    | 89 | 90 |    |  |    | 93 |    | 95 |                  |
| *16:01:01-16:01:15, 16:06-16:08, 16:10-16:11, 16:13-16:15:01, 16:16Q-16:17, 16:21-16:24, 16:26-16:28, 16:30N-16:32, 16:36, 16:38-16:39:02, 16:41, 16:44, 16:49, 16:51-16:52, 16:54, 16:56, 16:58-16:59, 16:62                                             |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 85 |    |    |    |    |    |    | 90 |    |    |  |    |    |    | 95 |                  |
| *16:02:01-16:02:11, 16:09, 16:12, 16:19, 16:25, 16:46-16:47, 16:60, 16:63                                                                                                                                                                                 |    |    |    |    |    |    |    |    |    |    |    |    |    | 83 | 85 |    |    |    | 87 |    |    | 90 |    |    |  |    |    | 95 |    |                  |
| *16:04:01, 16:33, 16:42, 16:55, 16:61                                                                                                                                                                                                                     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 86 |    |    |    |    | 90 |    | 92 |    |  |    |    |    |    |                  |
| *16:15:02                                                                                                                                                                                                                                                 |    |    |    |    |    |    |    |    |    |    |    |    |    | 84 | 85 |    |    |    |    |    | 90 |    |    |    |  |    |    | 95 |    |                  |
| *16:18, 16:37                                                                                                                                                                                                                                             |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 85 |    |    |    | 87 |    |    | 90 |    |    |  |    |    | 95 |    |                  |
| *16:20                                                                                                                                                                                                                                                    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 85 |    |    |    |    |    | 89 | 90 |    |    |  |    |    | 95 |    |                  |
| *16:29                                                                                                                                                                                                                                                    |    | 74 |    |    |    |    |    |    |    |    |    |    |    |    |    | 86 |    |    |    |    | 90 |    | 92 |    |  |    |    |    |    |                  |
| *16:34                                                                                                                                                                                                                                                    |    |    | 75 |    |    |    | 78 |    |    |    |    |    |    |    | 85 |    |    |    |    |    | 90 |    |    |    |  |    |    | 95 |    |                  |
| *16:35                                                                                                                                                                                                                                                    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 86 |    |    |    |    | 90 |    |    |    |  |    |    |    |    |                  |
| Well No.                                                                                                                                                                                                                                                  | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 |  |    |    |    |    |                  |
| Well No.                                                                                                                                                                                                                                                  | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 |  |    |    |    |    |                  |
| *16:40                                                                                                                                                                                                                                                    |    |    |    |    |    |    | 79 |    |    |    |    |    |    |    |    | 88 |    |    |    |    |    |    |    |    |  |    |    |    |    |                  |
| *16:43                                                                                                                                                                                                                                                    |    |    |    |    |    |    |    |    |    |    |    |    |    | 85 |    |    |    |    |    |    |    |    |    |    |  |    |    | 95 |    |                  |
| *16:45                                                                                                                                                                                                                                                    |    |    |    |    |    |    |    |    |    |    |    |    |    | 85 |    |    |    |    |    |    |    | 90 |    |    |  |    | 93 | 95 |    |                  |
| *16:48                                                                                                                                                                                                                                                    |    |    |    |    |    |    |    |    |    |    |    | 83 |    |    | 86 | 87 |    |    |    |    | 90 |    |    |    |  |    |    |    |    |                  |
| *16:50                                                                                                                                                                                                                                                    |    | 74 |    |    |    |    |    |    |    |    |    |    |    | 85 |    |    |    |    |    |    | 90 |    |    |    |  |    |    | 95 |    |                  |
| *16:53                                                                                                                                                                                                                                                    |    |    |    |    |    |    | 79 |    |    |    |    |    |    |    |    |    | 88 |    |    |    |    |    |    | 92 |  |    |    |    |    |                  |
| *16:57                                                                                                                                                                                                                                                    |    |    |    |    |    |    |    |    |    |    |    | 83 |    | 85 |    |    |    |    |    |    | 90 |    |    |    |  |    |    | 95 |    |                  |
| *17:01:01:01-17:01:03, 17:01:05-17:04, 17:06, 17:08-17:16, 17:18-17:19, 17:21                                                                                                                                                                             |    | 74 |    |    |    |    |    |    |    |    |    | 83 |    |    |    | 87 |    |    |    |    | 91 |    |    |    |  | 93 |    |    |    |                  |
| *17:01:04                                                                                                                                                                                                                                                 |    | 74 |    |    |    |    |    |    |    |    |    | 83 |    | 85 |    | 87 |    |    |    |    | 91 |    |    |    |  | 93 |    |    |    |                  |
| *17:05                                                                                                                                                                                                                                                    |    | 74 |    |    |    |    | 79 |    |    |    |    | 83 |    |    |    | 87 |    |    |    |    | 91 |    |    |    |  | 93 |    |    |    |                  |
| *17:07, 17:17, 17:23                                                                                                                                                                                                                                      |    |    |    |    |    |    |    |    |    |    |    | 83 |    |    |    | 87 |    |    |    |    | 91 |    |    |    |  | 93 |    |    |    |                  |
| *17:20                                                                                                                                                                                                                                                    |    | 74 |    |    |    |    |    |    |    |    |    | 83 |    |    |    |    |    |    |    |    | 91 |    |    |    |  | 93 |    | 95 |    |                  |
| *17:22                                                                                                                                                                                                                                                    |    | 74 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 91 |    |    |    |  | 93 |    |    |    |                  |
| *18:01-18:02, 18:04-18:07N                                                                                                                                                                                                                                |    |    |    |    |    |    |    |    |    |    |    | 83 |    |    |    |    |    |    |    |    |    |    | 92 |    |  | 93 |    | 95 |    |                  |
| *18:03                                                                                                                                                                                                                                                    |    | 74 |    |    |    |    |    |    |    |    |    | 83 |    |    |    |    |    |    |    |    |    |    | 92 |    |  | 93 | 94 | 95 |    |                  |
| A*24:96, A*24:106, A*24:174, B*08:16, B*46:25                                                                                                                                                                                                             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |    |    | 95 |    |                  |
| B*14:03                                                                                                                                                                                                                                                   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 92 |  |    |    |    |    |                  |

|                    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
|--------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|
| B*15:277, B*35:222 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 87 |    |    |    |    |    |    |    |    |  |  |  |
| Well No.           | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 |  |  |  |