

| Well No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1        | 2        | 3        | 4        | 5        | 6        | 7        | 8        | 9        | 10        | 11        | 12        | 13        | 14        | 15        | 16        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <b>HLA-B allele<sup>1,2,3</sup></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |          |          |          |          |          |          |          |          |           |           |           |           |           |           |           |
| *42:01:01-42:01:03, 42:22-42:23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1        | 2        |          |          |          | 6        |          |          | 9        |           |           |           |           |           |           |           |
| *42:02:01:01-42:02:01:02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          | 2        | 3        |          |          | 6        |          |          | 9        |           |           |           |           |           |           |           |
| *42:04                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1        |          |          | 4        |          | 6        |          |          | 9        |           |           |           |           |           |           |           |
| *42:05:01-42:05:02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1        | 2        |          |          | 5        | 6        |          |          | 9        |           |           |           |           |           |           |           |
| *42:06                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1        | 2        |          |          |          | 6        | 7        |          | 9        |           |           |           |           |           |           |           |
| *42:07, 08:94 <sup>4</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          | 2        |          |          |          | 6        |          | 8        |          |           |           |           |           |           |           |           |
| *42:08                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1        | 2        |          |          |          | 6        |          |          | 9        | 10        |           |           |           |           |           |           |
| *42:09                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          | 2        | 3        |          |          |          | 7        |          | 9        |           |           |           |           |           |           |           |
| *42:10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1        | 2        |          |          |          | 6        |          |          | 9        |           | 11        |           |           |           |           |           |
| *42:11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          | 2        |          |          |          | 6        |          | 8        |          |           |           | 12        |           |           |           |           |
| *42:12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1        | 2        |          |          |          | 6        |          |          | 9        |           |           |           | 13        |           |           |           |
| *42:13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1        |          |          |          |          | 6        |          |          | 9        |           |           |           |           | 14        |           |           |
| *42:14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1        | 2        |          |          |          | 6        |          |          | 9        |           |           |           |           |           | 15        |           |
| *42:15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1        | 2        |          |          |          | 6        |          |          | 9        |           |           |           |           | 14        |           |           |
| *42:16, 42:20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1        | 2        |          |          |          |          | 7        |          | 9        |           |           |           |           |           |           |           |
| *42:17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          | 2        | 3        |          |          | 6        |          |          | 9        |           | 11        |           |           |           |           |           |
| *42:18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          | 2        | 3        |          |          | 6        |          |          | 9        |           |           |           |           | 14        |           |           |
| *42:19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1        |          |          |          |          |          |          |          | 9        |           | 11        |           |           |           |           |           |
| *42:21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1        | 2        |          |          |          | 6        |          |          |          |           |           |           |           |           |           |           |
| *07:02:01-07:02:27, 07:02:29-07:02:49, 07:05:01:01-07:07, 07:09, 07:12, 07:14-07:15, 07:17-07:18:02, 07:20-07:24, 07:26, 07:28, 07:30-07:31, 07:34-07:36, 07:39-07:49N, 07:51-07:52, 07:54-07:55, 07:58-07:59, 07:61-07:64, 07:66-07:68:03, 07:70, 07:73-07:74, 07:76-07:82, 07:84, 07:86-07:99, 07:101-07:115, 07:117-07:124, 07:126-07:142, 07:144-07:145, 07:147-07:159, 07:161N-07:176, 07:178-07:179, 07:181N-07:182N, 07:184-07:185, 07:187-07:205, 07:208-07:218, 07:220-07:227, 07:229-07:239, 07:241-07:252, 07:254-07:258, 07:260-07:262, 07:264-07:270, 07:272N-07:275, 14:21, 15:255, 38:26, 54:21, 55:10, 56:16, 67:01:01-67:01:03, 67:03-67:07, 81:01-81:04N, 81:06-81:08, 83:01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1        |          |          |          |          |          |          |          | 9        |           |           |           |           |           |           |           |
| *07:03, 07:08, 07:16, 07:32, 07:38, 07:69, 07:85, 07:180, 07:207, 07:228, 13:14, 13:83, 14:01:01-14:01:05, 14:07N-14:08:02, 14:10, 14:12, 14:14, 14:19, 14:26, 14:32, 14:40, 14:46-14:47, 14:49, 14:54, 15:71, 15:175, 15:381, 18:01:01:01-18:01:12, 18:01:14-18:03, 18:05-18:13, 18:15, 18:17N-18:24, 18:26-18:36, 18:38-18:48, 18:50-18:55, 18:57-18:67, 18:69, 18:71-18:78, 18:80-18:106, 18:109-18:112, 18:114-18:123, 18:126-18:127, 27:12, 27:16, 27:23, 27:92, 27:119, 27:153, 35:50, 35:84, 35:162, 35:197, 35:231, 35:267, 35:269, 37:02, 37:07, 37:25, 37:39-37:40, 38:01:01-38:02:07, 38:04, 38:06-38:18, 38:20-38:25, 38:27-38:29, 38:31-38:32, 38:35-38:53, 38:55Q-38:63, 39:01:01:01-39:01:01:04, 39:01:03-39:01:23, 39:05:01-39:07, 39:09:01-39:11, 39:15-39:19:02, 39:22, 39:25N-39:28, 39:30-39:36, 39:38Q, 39:40:01N-39:48, 39:50-39:51, 39:53-39:62, 39:64-39:71, 39:73-39:75, 39:77-39:87N, 39:89-39:98, 39:100, 39:102-39:104, 39:106-39:109, 39:111-39:117, 40:04, 40:06:01:01-40:06:14, 40:11:01-40:11:02, 40:20, 40:26, 40:28, 40:44, 40:64, 40:68, 40:70:01-40:70:02, 40:74-40:75, 40:83, 40:86, 40:95-40:96, 40:98-40:99, 40:109, 40:120, 40:127, 40:131, 40:148-40:149, 40:159, 40:161-40:162, 40:165, 40:167, 40:177, 40:184, 40:190, 40:210, 40:225, 40:230, 40:243-40:244, 40:256N, 40:268-40:270, 40:275, 40:294-40:295, 40:306-40:307, 40:311, 40:313, 40:317, 40:330, 44:103, 44:131, 44:212, 44:224, 48:06, 48:31, 49:31, 50:43, 51:57, 51:103, 51:116, 53:21 |          |          |          |          |          |          |          | 8        |          |           |           |           |           |           |           |           |
| *07:04, 07:25, 07:146                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1        | 2        |          |          | 5        |          | 7        |          | 9        |           |           |           |           |           |           |           |
| *07:11, 07:57, 07:75, 07:160, 07:240, 07:253                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1        |          |          |          |          |          |          |          | 9        |           |           |           |           | 14        |           |           |
| *07:19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1        | 2        |          |          |          |          | 7        |          | 9        | 10        |           |           |           |           |           |           |
| *07:27, 07:50, 18:37, 27:18, 27:29, 38:03, 39:02:01-39:02:02, 39:08, 39:13:01-39:13:02, 39:23, 39:39:01-39:39:02, 39:49, 39:88, 39:101, 39:105, 39:110, 40:93, 44:130, 48:01:01-48:03:02, 48:05, 48:07-48:12, 48:14-48:21, 48:23, 48:25-48:30, 48:32-48:40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |          |          |          |          |          |          | 8        |          |           |           | 12        |           |           |           |           |
| *07:29, 07:71, 07:116, 07:186, C*07:335                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |          |          |          |          |          |          |          | 9        |           |           |           |           |           |           |           |
| *07:33:01-07:33:03, 07:53, 07:60, 07:100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1        |          |          |          |          |          |          |          | 9        | 10        |           |           |           |           |           |           |
| *07:56:01-07:56:02, 07:65, 07:72, 07:177, 07:206, 07:263, 15:76, 15:101, 35:76, 44:90, 54:01:01-54:01:07, 54:03-54:06, 54:08N-54:20, 54:22-54:23, 54:25-54:29, 54:31-54:35, 55:01:01-55:03, 55:05, 55:07-55:09, 55:11-55:15, 55:17, 55:19, 55:21-55:24, 55:26-55:33, 55:35-55:46, 55:48, 55:50, 55:52-55:55N, 55:57-55:63, 55:65-55:77, 56:01:01:01-56:07, 56:09-56:12, 56:15, 56:18-56:22, 56:24-56:32, 56:34, 56:36-56:41, 56:43, 56:45-56:51, C*14:62                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1        |          |          |          |          |          |          |          |          |           |           |           |           |           |           |           |
| *07:143                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |          | 3        |          |          |          |          |          | 9        |           |           |           |           |           |           |           |
| <b>Well No.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> | <b>6</b> | <b>7</b> | <b>8</b> | <b>9</b> | <b>10</b> | <b>11</b> | <b>12</b> | <b>13</b> | <b>14</b> | <b>15</b> | <b>16</b> |
| <b>Well No.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> | <b>6</b> | <b>7</b> | <b>8</b> | <b>9</b> | <b>10</b> | <b>11</b> | <b>12</b> | <b>13</b> | <b>14</b> | <b>15</b> | <b>16</b> |

Negative Control

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|--|
| *08:01:01-08:01:22, 08:01:24-08:03, 08:05, 08:08N, 08:10-08:11, 08:15, 08:18-08:19N, 08:21-08:24, 08:26:01-08:27, 08:29-08:36, 08:38-08:39, 08:41-08:46, 08:48, 08:50-08:52, 08:56:01-08:59:02, 08:61-08:68, 08:72N-08:73, 08:75, 08:78, 08:80-08:83, 08:85-08:86N, 08:88, 08:90-08:93, 08:95-08:102, 08:104-08:106, 08:109, 08:112-08:115, 08:117-08:122, 08:124-08:128, 08:130-08:131, 08:133, 08:135-08:142, 08:144, 08:146-08:155, 08:157-08:163, 08:165, 35:87, 41:02:01-41:02:06, 41:11, 41:13, 41:19, 41:23, 41:27, 41:31, 41:36, 41:38-41:43, 41:45N-41:46, 44:166                                                                                                                                    | 2 |   |   |   | 6 |   |   |   |   |    |    |    |    |    |    |    |  |
| *08:01:23, 08:14, 08:28, 08:74, 08:77, 08:87, 08:108, 08:111, 08:164, 41:10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2 |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |  |
| *08:04, 08:54, 08:110                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2 |   |   |   | 6 |   |   |   |   | 12 |    |    |    |    |    |    |  |
| *08:07, 08:37, 41:04, 41:18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2 |   |   |   |   | 7 |   |   |   |    |    |    |    |    |    |    |  |
| *08:09, 08:84, 15:83, 41:01:01-41:01:04, 41:05, 41:07, 41:09, 41:12, 41:14, 41:16-41:17, 41:20, 41:22, 41:25-41:26, 41:28-41:30, 41:32-41:35, 41:37, 41:44, 51:08:01-51:08:02, 51:20, 51:36, 51:44N, 51:97, 51:141, 51:153, 52:19                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |   |   | 4 | 6 |   |   |   |   |    |    |    |    |    |    |    |  |
| *08:12:01-08:12:03, 41:03:01-41:03:02, 44:14, 44:62, 57:09                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |   |   |   | 6 |   |   |   |   |    |    |    |    |    |    |    |  |
| *08:16, 08:60, 08:129                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |   |   |   | 6 |   |   |   |   |    |    |    |    |    | 14 |    |  |
| *08:17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2 |   |   |   | 6 |   |   |   |   | 12 |    |    |    |    | 14 |    |  |
| *08:20, 27:83                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |   |   |   |   |   |   |   |   |   | 11 |    |    |    |    |    |    |  |
| *08:47, 08:76, 08:145                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2 |   |   |   | 6 |   |   |   |   |    |    |    |    |    | 14 |    |  |
| *08:49                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |   |   |   |   | 7 |   |   |   | 11 |    |    |    |    | 14 |    |  |
| *08:53:01-08:53:02, 08:71, 41:24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2 |   |   |   | 6 |   |   |   |   | 11 |    |    |    |    |    |    |  |
| *08:69                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2 |   |   |   | 6 | 7 |   |   |   |    |    |    |    |    |    |    |  |
| *08:89, 08:107, 15:51, 15:179:01-15:179:02, 15:199, 15:218Q, 35:38, 35:115, 35:169, 35:260, 37:55, 44:17, 44:51, 44:123, 44:140, 44:230, 53:22, 57:24, C*05:62, C*15:25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |   |   |   |   |   | 7 |   |   |   |    |    |    |    |    |    |    |  |
| *08:103, 08:134, 44:213                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2 |   |   |   | 6 |   |   |   |   | 10 |    |    |    |    |    |    |  |
| *08:116, 41:15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2 |   |   |   | 6 |   |   |   |   |    |    |    |    |    |    | 15 |  |
| *08:123                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2 |   |   |   | 6 |   |   |   | 9 |    |    |    |    |    | 14 |    |  |
| *08:132                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2 |   |   |   | 6 |   |   |   | 9 |    |    |    |    |    |    |    |  |
| *13:46, 41:21, 44:15, 44:18, 45:01:01-45:02, 45:04-45:05, 45:07-45:13, 45:15-45:19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |   |   |   | 4 |   | 7 |   |   |   |    |    |    |    |    |    |    |  |
| *13:71, 14:05, 14:13, 15:07:01-15:07:03, 15:45, 15:55, 15:126, 15:197:02, 15:207, 15:324, 15:329, 15:331, 15:360, 15:383, 27:07:01-27:07:05, 27:11, 27:24, 27:32-27:34, 27:43, 27:138, 35:05:01-35:05:03, 35:22, 35:31, 35:51, 35:58, 35:72, 35:89, 35:97, 35:114, 35:199, 35:232, 39:76, 40:27:02, 40:57-40:58, 40:164, 40:200, 40:219, 40:226, 44:54, 44:135, 44:184, 46:12, 51:64, 51:81, 51:148, 53:14, 58:18, 58:27, C*02:60, C*03:05, C*03:25, C*03:27, C*03:167, C*03:296, C*07:294, C*07:526, C*07:530, C*08:08:01-08:08:02                                                                                                                                                                           |   |   |   |   |   |   |   |   |   | 10 |    |    |    |    |    |    |  |
| *14:53, 18:14, 38:19, 39:03, 39:14, 39:24:01-39:24:02, 39:29, 39:37, 40:02:01-40:03, 40:05, 40:08-40:09, 40:13, 40:18-40:19, 40:24, 40:27:01, 40:29, 40:35:01-40:35:02, 40:37, 40:39-40:40, 40:50, 40:56, 40:71, 40:78, 40:82, 40:85, 40:89-40:91, 40:94, 40:97, 40:104-40:105, 40:107, 40:111, 40:115, 40:119, 40:122, 40:133Q, 40:142N-40:145, 40:157, 40:169, 40:173-40:174, 40:176, 40:180-40:181, 40:189, 40:201-40:203, 40:205-40:206, 40:209, 40:211, 40:214, 40:220, 40:224, 40:229, 40:232, 40:246, 40:248, 40:254-40:255, 40:266-40:267, 40:271, 40:274, 40:276, 40:283-40:284, 40:287, 40:289-40:293, 40:296-40:297, 40:302-40:305, 40:309, 40:314, 40:320, 40:322, 40:331, 40:334-40:335, 40:337N |   |   |   |   |   |   | 8 |   |   | 10 |    |    |    |    |    |    |  |
| *15:03:01:01-15:03:06, 15:47:01-15:47:02, 15:54, 15:61-15:62, 15:64:01-15:64:02, 15:69, 15:91, 15:98, 15:103, 15:123, 15:127, 15:131-15:132, 15:151, 15:156, 15:158, 15:173, 15:210, 15:220, 15:235, 15:242:01-15:242:02, 15:253, 15:259, 15:266, 15:274, 15:281-15:282, 15:369, 15:379, 15:389, 15:397, 18:125, 40:12, 40:46, 44:40, 44:44, 44:156, 44:210, 48:22, 52:16, 55:18, 56:44                                                                                                                                                                                                                                                                                                                       |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    |    |    |  |
| *15:68, 48:04:01-48:04:02, 48:13, 48:24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |   |   |   |   |   |   | 8 |   |   | 10 |    | 12 |    |    |    |    |  |
| *18:49, 18:79, 18:108, 39:20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |   |   |   |   |   | 8 |   |   |    |    |    |    |    | 14 |    |  |
| *18:56, 18:113, 37:01:01-37:01:11, 37:03N-37:04:02, 37:06:01-37:06:02, 37:08, 37:10-37:11, 37:13-37:24, 37:26-37:27, 37:29-37:38, 37:41-37:54, 37:56-37:59                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |   |   |   |   | 7 | 8 |   |   |    |    |    |    |    |    |    |  |
| *37:05                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |   |   |   |   | 7 | 8 |   |   |    |    |    |    |    | 14 |    |  |
| *37:09                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2 |   |   |   |   | 7 | 8 |   |   | 10 |    |    |    |    |    |    |  |
| *37:12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |   |   |   |   | 6 |   | 8 |   |    |    |    |    |    |    |    |  |
| *37:28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |   |   |   |   | 7 | 8 |   |   |    | 12 |    |    |    |    |    |  |
| *38:30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |   |   |   |   | 6 | 7 | 8 |   |    |    |    |    |    |    |    |  |
| *39:99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |   |   |   |   |   |   | w |   |    |    |    |    |    |    |    |  |
| *40:136, 40:231, 40:279, 41:08                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |   |   |   | 5 | 6 |   |   |   |    |    |    |    |    |    |    |  |
| Well No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |  |
| Well No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |  |
| *40:166, 54:02, 55:16, 56:35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |   | 3 |   |   |   |   |   |   |    |    |    |    |    |    |    |  |
| *41:06                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |   |   | 4 |   | 6 |   |   |   |    |    |    |    |    |    | 15 |  |
| *44:20, 44:100, 45:03                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |  |
| *44:106, 44:158                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2 |   |   |   |   |   |   |   |   | 10 |    |    |    |    |    |    |  |

Negative Control

|                                                                                                                                                                                                                                                                                                                                                                                                           |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |                  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|------------------|--|--|
| *44:117, 44:226, C*07:04:01:01-07:04:11, C*07:11-07:12, C*07:45, C*07:63, C*07:101, C*07:139, C*07:142, C*07:181, C*07:199:01-07:199:02, C*07:272, C*07:323-07:324, C*07:328-07:329N, C*07:336, C*07:338, C*07:354-07:355, C*07:357-07:358, C*07:361, C*07:364-07:365, C*07:378, C*07:394-07:395, C*07:406, C*07:420, C*07:426, C*07:428, C*07:459, C*07:466-07:467, C*07:480, 07:487, C*07:501, C*07:523 |   |   |   |   |   |   | w |   |   |    |    |    |    |    |    |    |                  |  |  |
| *45:06                                                                                                                                                                                                                                                                                                                                                                                                    |   |   | 3 | 4 |   |   | 7 |   |   |    |    |    |    |    |    |    |                  |  |  |
| *45:14                                                                                                                                                                                                                                                                                                                                                                                                    |   |   |   | 4 |   | 6 | 7 |   |   |    |    |    |    |    |    |    |                  |  |  |
| *53:15                                                                                                                                                                                                                                                                                                                                                                                                    |   |   |   |   |   |   |   |   |   |    | 11 |    |    |    |    | 14 |                  |  |  |
| *55:04, 55:49, 55:51                                                                                                                                                                                                                                                                                                                                                                                      | 1 |   |   |   |   |   |   |   |   | 10 |    |    |    |    |    |    |                  |  |  |
| *55:20                                                                                                                                                                                                                                                                                                                                                                                                    | 1 |   |   | 4 |   | 6 |   |   |   |    |    |    |    |    |    |    |                  |  |  |
| *55:56, 56:13                                                                                                                                                                                                                                                                                                                                                                                             | 1 |   |   | 4 |   | 6 | 7 |   |   |    |    |    |    |    |    |    |                  |  |  |
| *82:01-82:03                                                                                                                                                                                                                                                                                                                                                                                              | 1 |   |   |   |   | 6 | 7 |   | 9 |    |    |    |    |    |    |    |                  |  |  |
| C*01:59, C*01:118, C*06:82, C*07:49, C*07:124, C*07:155, C*07:210, C*07:238, C*07:247                                                                                                                                                                                                                                                                                                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    | 14 |                  |  |  |
| C*07:403                                                                                                                                                                                                                                                                                                                                                                                                  |   |   |   |   |   |   | w |   |   |    |    |    |    |    |    | 14 |                  |  |  |
| Well No.                                                                                                                                                                                                                                                                                                                                                                                                  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | Negative Control |  |  |