

# INTERPRETATION TABLE

## HLA-A\*68 SSP subtyping

Amplification patterns of the A\*6801 to A\*6848 alleles

|                           | Well <sup>5</sup>   |      |      |                  |                                       |      |                         |     |                 |                  |                  |      |                         |           |      |           |
|---------------------------|---|------|------|------------------|---------------------------------------|------|-------------------------|-----|-----------------|------------------|------------------|------|-------------------------|-----------|------|-----------|
|                           | 1   | 2    | 3    | 4                | 5                                     | 6    | 7                       | 8   | 9               | 10               | 11               | 12   | 13                      | 14        | 15   | 16        |
| Length of spec.           | 195   | 435  | 195  | 180              | 140                                   | 225  | 135                     | 160 | 150             | 165              | 160              | 205  | 210                     | 150       | 145  | 150       |
| PCR product               |   |      |      | 220              | 235                                   |      | 155                     | 240 | 195             |                  | 200              | 405  |                         | 195       | 205  | 215       |
| Length of int.            | 800   | 1070 | 1070 | 1070             | 800                                   | 1070 | 1070                    | 800 | 800             | 800              | 800              | 1070 | 800                     | 800       | 1070 | 1070      |
| pos. control <sup>1</sup> |   |      |      |                  |                                       |      |                         |     |                 |                  |                  |      |                         |           |      |           |
| 5'-primer(s) <sup>2</sup> | 127   | 261  | 106  | 102              | 98                                    | 102  | 145                     | 98  | 106             | 413              | 98               | 47   | 2 <sup>nd</sup>         | 103       | 453  | 106       |
|                           | 5'-ggg 3'-AAC 3'-CCA 3'-ACT 3'-CTA 3'-ACT 3'-CCA 3'-CTA 3'-CCA 3'-CCg 3'-CTA 3'-g.T 3'-CCT 3'-CCT 3'-AAA 3'-CCA |      |      |                  |                                       |      |                         |     |                 |                  |                  |      |                         |           |      |           |
|                           |   |      |      |                  | 397                                   | 106  | 414                     | 418 | 2 <sup>nd</sup> |                  | 419              | 376  |                         | 413       |      | 413       |
|                           |   |      |      |                  | 5'-gCC 3'-CCA 3'-gAA 3'-AgC 3'-CCT 3' |      |                         |     |                 |                  | 5'-ggT 3'-gCA 3' |      |                         | 5'-CCg 3' |      | 5'-CCg 3' |
| 3'-primer(s) <sup>3</sup> | 282   | 413  | 259  | 240              | 290                                   | 292  | 259                     | 299 | 216             | 538              | 256              | 282  | 497                     | 255       | 555  | 278       |
|                           | 5'-gAC 3'-gCC 3'-gTT 3'-ggA 3'-CAA 3'-gTg 3'-gTT 3'-TCA 3'-gCT 3'-CTg 3'-CTC 3'-gAC 3'-TgA 3'-Cgg 3'-CCA 3'-ggC |      |      |                  |                                       |      |                         |     |                 |                  |                  |      |                         |           |      |           |
|                           | 282   |      |      | 282              | 497                                   |      | 506                     | 539 | 479             |                  | 538              | 538  |                         | 521       | 616  | 282       |
|                           | 5'-gAC 3'   |      |      | 5'-gAg 3'-Tgg 3' |                                       |      | 5'-TgT 3'-TCC 3'-CCA 3' |     |                 | 5'-CCA 3'-CCA 3' |                  |      | 5'-ggA 3'-CgC 3'-gAg 3' |           |      |           |
|                           |   |      |      | 292              |                                       |      |                         |     | 538             |                  |                  |      |                         |           |      | 282       |
|                           |   |      |      | 5'-gTg 3'        |                                       |      |                         |     | 5'-CAg 3'       |                  |                  |      |                         |           |      | 5'-gAg 3' |
|                           |   |      |      |                  |                                       |      |                         |     | 538             |                  |                  |      |                         |           |      | 524       |
|                           |   |      |      |                  |                                       |      |                         |     | 5'-CAA 3'       |                  |                  |      |                         |           |      | 5'-CAA 3' |
| Well No.                  | 1   | 2    | 3    | 4                | 5                                     | 6    | 7                       | 8   | 9               | 10               | 11               | 12   | 13                      | 14        | 15   | 16        |
| HLA-A allele              |   |      |      |                  |                                       |      |                         |     |                 |                  |                  |      |                         |           |      |           |
| *680101-680107            | 1   | 2    |      |                  |                                       |      |                         |     |                 |                  |                  |      |                         |           |      |           |
| *68020101-680202          | 1   |      | 3    |                  |                                       |      |                         |     |                 |                  |                  |      |                         |           |      |           |
| *680301, 680302           |   | 2    |      | 4                |                                       |      |                         |     |                 |                  |                  |      |                         |           |      |           |
| *6804                     |   | 2    |      |                  | 5                                     |      |                         |     |                 |                  |                  |      |                         |           |      |           |
| *6805                     |   | 2    |      | 4                |                                       | 6    |                         |     |                 |                  |                  |      |                         |           |      |           |
| *6806                     | 1   |      |      |                  |                                       |      | 7                       |     |                 |                  |                  |      |                         |           |      |           |
| *6807                     | 1   |      |      |                  |                                       |      |                         | 8   |                 |                  |                  |      |                         |           |      |           |
| *680801, 680802           | 1   | 2    |      |                  |                                       |      |                         |     | 9               |                  |                  |      |                         |           |      |           |
| *6809                     | 1   | 2    |      |                  |                                       |      |                         |     |                 | 10               |                  |      |                         |           |      |           |
| *6810                     | 1   |      |      |                  |                                       |      |                         |     |                 |                  | 11               |      |                         |           |      |           |
| *6811N                    | 1   | 2    |      |                  |                                       |      |                         |     |                 |                  |                  | 12   |                         |           |      |           |
| *6812                     | 1   | 2    |      |                  |                                       |      |                         |     |                 |                  |                  |      | 13                      |           |      |           |
| *6813                     | 1   |      |      |                  |                                       |      |                         |     |                 |                  |                  |      |                         | 14        |      |           |
| *6814                     | 1   |      |      |                  |                                       |      |                         |     |                 |                  | 11               |      |                         |           | 15   |           |
| *6815                     |   |      | 3    |                  |                                       | 6    |                         |     |                 |                  |                  |      |                         |           |      | 16        |
| Well No.                  | 1   | 2    | 3    | 4                | 5                                     | 6    | 7                       | 8   | 9               | 10               | 11               | 12   | 13                      | 14        | 15   | 16        |

| Length of spec.   | 195 | 435 | 195 | 180 | 140 | 225 | 135 | 160 | 150 | 165 | 160 | 205 | 210 | 150 | 145 | 150 |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| PCR product   |     |     |     | 220 | 235 |     | 155 | 240 | 195 |     | 200 | 405 |     | 195 | 205 | 215 |
|   |     |     |     |     |     |     |     |     | 250 |     |     |     |     |     |     |     |
| Well No.  | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  |
| *6816   | 1   | 2   |     |     |     |     |     |     |     |     |     |     |     |     |     | 16  |
| *6817   | 1   | 2   |     |     |     |     |     |     |     |     | 11  |     |     |     |     |     |
| *6818N  | 1   |     | 3   |     |     |     |     |     | 9   |     |     |     |     |     |     |     |
| *6819   | 1   | 2   |     |     |     |     |     |     |     |     |     |     |     |     | 15  |     |
| *6820   |     | 2   |     | 4   |     | 6   |     |     |     |     |     |     |     |     |     |     |
| *6821   | 1   | 2   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *6822   | 1   | 2   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *6823   | 1   | 2   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *6824   | 1   | 2   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *6825   | 1   | 2   |     |     | 5   |     |     |     |     |     |     |     |     |     |     |     |
| *6826   | 1   | 2   |     |     |     |     |     |     |     | 10  |     |     |     |     |     |     |
| *6827   | 1   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *6828   | 1   |     | 3   |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *6829   | 1   | 2   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *6830   | 1   |     |     | 4   |     |     |     |     |     |     |     |     |     |     |     |     |
| *6831   |     |     | 3   |     |     |     |     |     |     |     |     |     |     |     |     | 16  |
| *6832   | 1   | 2   |     |     |     | 7   |     |     |     |     |     |     |     |     |     |     |
| *6833   | 1   | 2   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *6834   | 1   |     | 3   |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *6835   | 1   | 2   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *6836   |     | 2   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *6837   | 1   | 2   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *6838   | 1   | 2   |     |     |     |     |     |     |     |     |     | 12  |     |     |     |     |
| *6839   | 1   | 2   | 3   |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *6840   | 1   |     | 3   |     |     |     |     |     |     |     |     |     |     |     |     | 16  |
| *6841   | 1   | 2   |     |     |     |     |     |     |     |     |     |     |     | 14  |     |     |
| *6842   | 1   | 2   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *6843   | 1   | 2   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *6844   | 1   |     | 3   |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *6845   | 1   | 2   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *6846   | w   | 2   |     |     |     |     |     | 8   |     |     |     |     |     |     |     |     |
| *6847   | 1   | 2   |     |     |     |     |     |     | 9   |     |     |     |     |     |     |     |
| *6848   | 1   |     | 3   |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *01010101-0104N,<br>0107-0111N, 0114-<br>0118N, 0121-0124,<br>0126-0129, 0131N-<br>0135, 0137 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| Well No.  | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  |

| Length of spec.   | 195 | 435 | 195 | 180 | 140 | 225 | 135 | 160 | 150 | 165 | 160 | 205 | 210 | 150 | 145 | 150 |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| PCR product   |     |     |     | 220 | 235 |     | 155 | 240 | 195 |     | 200 | 405 |     | 195 | 205 | 215 |
|   |     |     |     |     |     |     |     |     | 250 |     |     |     |     |     |     |     |
| Well No.  | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  |
| *0106, 0125, 2903, 8001   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *0112, 0119, 1138, 2417, 2441   |     |     |     |     |     |     |     |     |     | 10  |     |     |     |     |     |     |
| *0113, 0318   | 1   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *0120   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *0202, 020501, 0208, 0247, 0263, 9202, 9215, 9254, 9255, 9279   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *020301, 020302, 9248   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *020605   |     |     |     | 4   |     | 6   |     |     |     |     |     |     |     |     |     |     |
| *022201, 022202, 0250, 9204, 9236, 2302, 2406, 2508, 2611N, 3210, B*2725, Cw*0207                           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *0226, 0299   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *0234-023503, 025601, 025602, 0262, 0278, 9203, 0319, 0340, 0343, 1109, 1122-112402, 1131, 2419, 3018, 7413 | 1   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *0249, 2487, B*2745   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *0252   |     |     |     |     |     |     | 7   |     |     |     |     |     |     |     |     |     |
| *0255, 3322   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *027402, 2424, 2467   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *9214   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *9217   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *9221, 2418   |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 15  |     |
| *9222   |     |     |     |     |     | 6   |     |     |     |     |     |     |     |     |     | 16  |
| *9235, 2505   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *9243   |     |     |     |     |     | 6   |     |     |     |     |     |     |     |     |     | 16  |
| Well No.  | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  |

| Length of spec.  | 195 | 435 | 195 | 180 | 140 | 225 | 135 | 160 | 150 | 165 | 160 | 205 | 210 | 150 | 145 | 150 |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| PCR product  |     |     |     | 220 | 235 |     | 155 | 240 | 195 |     | 200 | 405 |     | 195 | 205 | 215 |
|  |     |     |     |     |     |     |     |     | 250 |     |     |     |     |     |     |     |
| Well No.   | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  |
| *03010101-030108,<br>030110-0303N, 0305-<br>0307, 0309, 0311N-<br>0316, 0320-0323,<br>0325-0331, 0333-<br>0335, 0337-0339,<br>0342, 0344-0347,<br>0351, 0355, 1135 | 1   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *030109, 0308, 0332,<br>0336N, 0341,<br>29010101-290201,<br>290203, 2904, 2906-<br>2919, 3026, 3103,<br>3104, 3106, 3204   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *0304  | 1   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *0310, 1104  | 1   |     |     |     |     |     |     |     |     | 10  |     |     |     |     |     |     |
| *0317  | 1   |     |     |     |     |     |     |     |     |     |     |     |     |     | 15  |     |
| *0324, 3402  | 1   | 2   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *0350  | 1   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *110101-110110,<br>1103, 1105-1107,<br>1111-1113, 111501,<br>111502, 1120,<br>1121N, 1126, 1129,<br>1130, 1132-1134,<br>1136, 1137, 1141-<br>1143                  | 1   |     |     |     |     |     |     |     |     | 10  |     |     |     |     |     |     |
| *110201-110203,<br>1114, 1116-1119,<br>1140  |     |     |     |     |     |     |     |     |     | 10  |     |     |     |     |     |     |
| *1108, 1144  | 1   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *1110  | 1   | 2   |     |     |     |     |     |     |     | 10  |     |     |     |     |     |     |
| *1125  | 1   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *1127, 1139  | 1   |     |     |     |     |     |     |     |     | 10  |     |     |     |     |     |     |
| *2482  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| Well No.   | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  |
| Length of spec.  | 195 | 435 | 195 | 180 | 140 | 225 | 135 | 160 | 150 | 165 | 160 | 205 | 210 | 150 | 145 | 150 |
| PCR product  |     |     |     | 220 | 235 |     | 155 | 240 | 195 |     | 200 | 405 |     | 195 | 205 | 215 |

|   |   |   |   |   |   |   |   |   | 250 |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|-----|----|----|----|----|----|----|----|
| Well No.  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9   | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| *250101-2503, 2506, 2507, 260101-260104, 260107-260702, 2609, 2610, 2612, 2613, 2615, 2617, 2619-2621, 2623-2626, 2629-2638, 4301, 6603, 6605 |   |   |   |   |   |   |   |   |     |    |    |    |    |    |    |    |
| *2504, 260105, 260106, 2608, 2627   |   |   |   |   |   |   |   |   |     |    |    |    |    |    |    |    |
| *2614, 2618, 2628   |   |   |   |   |   |   |   |   |     |    |    |    |    |    |    |    |
| *2616   |   |   |   |   |   |   |   |   |     |    |    |    |    |    |    |    |
| *2622   |   |   |   |   |   |   |   |   |     |    |    |    |    |    |    |    |
| *2640   |   |   |   |   |   |   |   |   |     |    |    |    |    |    |    |    |
| *2905   |   |   |   |   |   |   |   |   |     | 10 |    |    |    |    |    |    |
| *3318   |   | 2 |   |   |   |   |   |   |     |    |    |    |    |    |    |    |
| *340101, 340102, 6601, 6602, 6604, 6607, 6608, 6610   | 1 |   |   |   |   |   |   |   |     |    |    |    |    |    |    |    |
| *3403, 3404, 3407, 3408   | 1 | 2 |   |   |   |   |   |   |     | ?  |    |    |    |    |    |    |
| *3405   | 1 |   |   |   |   |   |   |   |     |    |    |    |    |    |    |    |
| *3406   | 1 |   |   |   |   |   |   |   |     | ?  |    |    |    |    |    |    |
| *3601, 3603   |   |   |   |   |   |   |   |   |     |    |    |    |    |    |    |    |
| *3602   |   |   |   |   |   |   |   |   |     |    |    |    |    |    |    |    |
| *3604   |   |   |   |   |   |   |   |   |     |    |    |    |    |    |    |    |
| *6606   | 1 |   |   |   |   |   |   |   |     | 9  |    |    |    |    |    |    |
| *6609   | 1 |   |   |   |   |   |   |   |     |    |    |    |    |    |    |    |
| *6901   | 1 |   |   |   |   |   |   |   |     |    |    |    |    |    |    |    |
| Well No.  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9   | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

# INTERPRETATION TABLE

## HLA-A\*68 SSP subtyping

Amplification patterns of the A\*6801 to A\*6848 alleles

| Well <sup>5</sup> |           |           |           |           |           |           |           |           |           |           |           |           |           |                   |           |                           |
|-------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------------|-----------|---------------------------|
| 17                | 18        | 19        | 20        | 21        | 22        | 23        | 24        | 25        | 26        | 27        | 28        | 29        | 30        | 31                | 32        |                           |
| 165               | 200       | 325       | 90        | 165       | 165       | 185       | 375       | 240       | 185       | 185       | 200       | 80        | 145       | 220               | 195       | Length of spec.           |
| 185               | 225       |           |           | 215       |           |           |           |           |           | 235       | 230       | 255       | 245       |                   |           | PCR product               |
| 1070              | 1070      | 1070      | 1070      | 1070      | 800       | 1070      | 1070      | 1070      | 1070      | 1070      | 1070      | 800       | 1070      | 1070              | 1070      | Length of int.            |
|                   |           |           |           |           |           |           |           |           |           |           |           |           |           |                   |           | pos. control <sup>1</sup> |
| 395               | 413       | 317       | 362       | 102       | 413       | 413       | 261       | 28        | 666       | 87        | 121       | 102       | 102       | 2 <sup>nd</sup> I | 98        | 5'-primer(s) <sup>2</sup> |
| 5'-gCA 3'         | 5'-CCg 3' | 5'-gCA 3' | 5'-gAg 3' | 5'-ACT 3' | 5'-CCg 3' | 5'-CCg 3' | 5'-AAC 3' | 5'-TCg 3' | 5'-gAA 3' | 5'-ATA 3' | 5'-gCT 3' | 5'-ACT 3' | 5'-ACT 3' | 5'-CCT 3'         | 5'-CTC 3' |                           |
| 413               |           |           | 362       | 413       |           |           |           |           |           | 413       | 349       | 489       | 414       |                   | 453       |                           |
| 5'-CCA 3'         |           |           | 5'-gAg 3' | 5'-CCA 3' |           |           |           |           |           | 5'-CCA 3' | 5'-CTg 3' | 5'-gCA 3' | 5'-CAg 3' |                   | 5'-AAA 3' |                           |
|                   |           |           |           |           |           |           |           |           |           |           |           | 376       |           |                   |           |                           |
|                   |           |           |           |           |           |           |           |           |           |           |           | 5'-gCA 3' |           |                   |           |                           |
| 539               | 570       | 362       | 413       | 275       | 539       | 559       | 355       | 97        | 808       | 282       | 282       | 317       | 308       | 506               | 259       | 3'-primer(s) <sup>3</sup> |
| 5'-TCC 3'         | 5'-CCg 3' | 5'-TCA 3' | 5'-gCC 3' | 5'-CCC 3' | 5'-TCC 3' | 5'-CgT 3' | 5'-gAC 3' | 5'-ggT 3' | 5'-AgA 3' | 5'-gAC 3' | 5'-gAC 3' | 5'-ggA 3' | 5'-TCT 3' | 5'-TgC 3'         | 5'-gTT 3' |                           |
|                   | 595       |           |           | 538       |           |           |           |           |           | 559       | 538       | 527       | 517       |                   | 595       |                           |
|                   | 5'-CCg 3' |           |           | 5'-CCg 3' |           |           |           |           |           | 5'-CAT 3' | 5'-CCA 3' | 5'-CCT 3' | 5'-CgT 3' |                   | 5'-CCg 3' |                           |
|                   |           |           |           |           |           |           |           |           |           |           |           |           |           |                   |           |                           |
|                   |           |           |           |           |           |           |           |           |           |           |           |           |           |                   |           |                           |
|                   |           |           |           |           |           |           |           |           |           |           |           |           |           |                   |           |                           |
| 17                | 18        | 19        | 20        | 21        | 22        | 23        | 24        | 25        | 26        | 27        | 28        | 29        | 30        | 31                | 32        | Well No.                  |
|                   |           |           |           |           |           |           |           |           |           |           |           |           |           |                   |           | HLA-A allele              |
|                   |           |           |           |           | 22        | 23        |           |           |           |           |           |           |           |                   |           | *680101-680107            |
| 17                |           |           |           |           |           |           |           |           |           |           |           |           |           |                   |           | *68020101-680202          |
|                   |           |           |           |           | 22        | 23        |           |           |           |           |           |           |           |                   |           | *680301, 680302           |
|                   |           |           |           |           | 22        | 23        |           |           |           |           |           |           |           |                   |           | *6804                     |
|                   |           |           |           |           | 22        | 23        |           |           |           |           |           |           |           |                   |           | *6805                     |
|                   |           |           |           |           |           |           |           |           |           |           |           |           |           |                   |           | *6806                     |
|                   |           |           |           |           | 22        | 23        |           |           |           |           |           |           |           |                   |           | *6807                     |
|                   |           |           |           |           |           | 23        |           |           |           |           |           |           |           |                   |           | *680801, 680802           |
|                   |           |           |           |           |           | 23        |           |           |           |           |           |           |           |                   |           | *6809                     |
|                   |           |           |           |           | 22        | 23        |           |           |           |           |           |           |           |                   |           | *6810                     |
|                   |           |           |           |           | 22        | 23        |           |           |           |           |           |           |           |                   |           | *6811N                    |
|                   |           |           |           |           | 22        | 23        |           |           |           |           |           |           |           |                   |           | *6812                     |
|                   |           |           |           |           | 22        | 23        |           |           |           |           |           |           |           |                   |           | *6813                     |
|                   |           |           |           |           | 22        | 23        |           |           |           |           |           |           |           |                   |           | *6814                     |
| 17                |           |           |           |           |           |           |           |           |           |           |           |           |           |                   |           | *6815                     |
| 17                | 18        | 19        | 20        | 21        | 22        | 23        | 24        | 25        | 26        | 27        | 28        | 29        | 30        | 31                | 32        | Well No.                  |

| 165 | 200 | 325 | 90 | 165 | 165 | 185 | 375 | 240 | 185 | 185 | 200 | 80  | 145 | 220 | 195 | Length of spec.<br>PCR product  |
|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| 185 | 225 |     |    | 215 |     |     |     |     |     | 235 | 230 | 255 | 245 |     |     |   |
| 17  | 18  | 19  | 20 | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  | 31  | 32  | Well No.  |
|     |     |     |    |     | 22  | 23  |     |     |     |     |     |     |     |     |     | *6816   |
|     |     |     |    |     | 22  | 23  |     |     |     |     |     |     |     |     |     | *6817   |
| 17  |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     | *6818N  |
|     |     |     |    |     | 22  | 23  |     |     |     |     |     |     |     |     |     | *6819   |
| 17  |     |     |    |     | 22  | 23  |     |     |     |     |     |     |     |     |     | *6820   |
|     | 18  |     |    |     | 22  | 23  |     |     |     |     |     |     |     |     | 32  | *6821   |
|     |     | 19  |    |     | 22  | 23  |     |     |     |     |     |     |     |     |     | *6822   |
|     |     |     | 20 |     | 22  | 23  |     |     |     |     |     |     |     |     |     | *6823   |
|     |     |     |    | 21  | 22  | 23  |     |     |     |     |     |     |     |     |     | *6824   |
|     |     |     |    |     | 22  | 23  |     |     |     |     |     |     |     |     |     | *6825   |
|     | 18  |     |    |     |     |     |     |     |     |     |     |     |     |     |     | *6826   |
| 17  |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     | *6827   |
| 17  |     |     |    | 21  |     |     |     |     |     |     |     |     |     |     |     | *6828   |
|     |     |     |    |     | 22  | 23  |     | 25  |     |     |     |     |     |     |     | *6829   |
|     |     |     |    |     | 22  | 23  |     |     |     |     |     |     |     |     |     | *6830   |
| 17  |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     | *6831   |
|     |     |     |    |     | 22  | 23  |     |     |     |     |     |     |     |     |     | *6832   |
|     |     |     |    |     | 22  | 23  |     |     | 26  |     |     |     |     |     |     | *6833   |
| 17  |     |     |    |     |     |     |     |     |     | 27  |     |     |     |     |     | *6834   |
|     |     |     |    |     | 22  | 23  |     |     |     |     | 28  |     |     |     |     | *6835   |
|     |     |     |    |     | 22  | 23  |     |     |     |     |     | 29  |     |     |     | *6836   |
|     |     |     |    |     | 22  | 23  |     |     |     |     |     |     | 30  |     |     | *6837   |
|     |     |     |    |     | 22  | 23  |     |     |     |     | 28  |     |     |     |     | *6838   |
|     |     |     |    |     | 22  | 23  |     |     |     |     |     |     |     |     |     | *6839   |
| 17  |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     | *6840   |
|     |     |     |    |     | 22  | 23  |     |     |     |     |     |     |     |     |     | *6841   |
|     |     |     |    |     | 22  | 23  |     |     |     |     |     | 29  |     |     |     | *6842   |
|     |     |     |    |     | 22  | 23  |     |     |     | 27  |     |     |     |     |     | *6843   |
| 17  |     |     |    |     |     |     |     |     |     |     | 28  |     |     |     |     | *6844   |
|     |     |     |    |     | 22  | 23  |     |     |     |     |     |     |     |     | 32  | *6845   |
|     |     |     |    |     | 22  | 23  |     |     |     |     |     |     |     |     |     | *6846   |
|     |     |     |    |     | 22  | 23  |     |     |     |     |     |     |     |     |     | *6847   |
| 17  |     |     |    |     |     |     |     |     |     |     |     |     |     |     | 31  | *6848   |
|     | 18  |     |    |     | w   |     |     |     |     |     |     |     |     |     |     | *01010101-0104N,<br>0107-0111N, 0114-<br>0118N, 0121-0124,<br>0126-0129, 0131N-<br>0135, 0137 |
| 17  | 18  | 19  | 20 | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  | 31  | 32  | Well No.  |

| 165 | 200 | 325 | 90 | 165 | 165 | 185 | 375 | 240 | 185 | 185 | 200 | 80  | 145 | 220 | 195 | Length of spec.<br>PCR product  |
|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| 185 | 225 |     |    | 215 |     |     |     |     |     | 235 | 230 | 255 | 245 |     |     |   |
| 17  | 18  | 19  | 20 | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  | 31  | 32  | Well No.  |
|     | 18  |     |    |     |     |     |     |     |     |     |     |     |     |     |     | *0106, 0125, 2903,<br>8001  |
|     | 18  |     |    |     |     |     |     |     |     |     |     |     |     |     |     | *0112, 0119, 1138,<br>2417, 2441  |
|     | 18  |     |    |     | w   |     |     |     |     |     |     |     |     |     |     | *0113, 0318   |
|     | 18  |     | 20 |     | w   |     |     |     |     |     |     |     |     |     |     | *0120   |
| w   |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     | *0202, 020501, 0208,<br>0247, 0263, 9202,<br>9215, 9254, 9255,<br>9279  |
| 17  |     |     |    |     |     |     |     |     |     |     |     | 29  |     |     |     | *020301, 020302,<br>9248  |
|     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     | *020605   |
| 17  |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     | *022201, 022202,<br>0250, 9204, 9236,<br>2302, 2406, 2508,<br>2611N, 3210,<br>B*2725, Cw*0207                                 |
|     |     |     |    |     |     |     |     |     |     |     |     | w   |     |     |     | *0226, 0299   |
|     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     | *0234-023503,<br>025601, 025602,<br>0262, 0278, 9203,<br>0319, 0340, 0343,<br>1109, 1122-112402,<br>1131, 2419, 3018,<br>7413 |
| 17  |     |     |    | 21  |     |     |     |     |     |     |     |     |     |     |     | *0249, 2487, B*2745   |
|     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     | *0252   |
|     |     |     |    |     |     |     | 24  |     |     |     |     |     |     |     |     | *0255, 3322   |
|     |     |     |    |     |     |     |     |     |     |     |     |     |     |     | 32  | *027402, 2424, 2467   |
|     |     |     | 20 |     |     | 23  |     |     |     |     |     |     |     |     |     | *9214   |
| 17  |     |     |    |     |     |     |     |     |     |     |     | 29  | 30  |     |     | *9217   |
|     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     | *9221, 2418   |
| 17  |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     | *9222   |
| 17  |     |     |    |     |     |     |     |     |     |     |     |     | 30  |     |     | *9235, 2505   |
|     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     | *9243   |
| 17  | 18  | 19  | 20 | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  | 31  | 32  | Well No.  |

| 165 | 200 | 325 | 90 | 165 | 165 | 185 | 375 | 240 | 185 | 185 | 200 | 80  | 145 | 220 | 195 | Length of spec.  |
|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| 185 | 225 |     |    | 215 |     |     |     |     |     | 235 | 230 | 255 | 245 |     |     | PCR product  |
| 17  | 18  | 19  | 20 | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  | 31  | 32  | Well No.   |
|     |     |     |    |     |     | 23  |     |     |     |     |     |     |     |     |     | *03010101-030108,<br>030110-0303N, 0305-<br>0307, 0309, 0311N-<br>0316, 0320-0323,<br>0325-0331, 0333-<br>0335, 0337-0339,<br>0342, 0344-0347,<br>0351, 0355, 1135 |
|     |     |     |    |     |     | 23  |     |     |     |     |     |     |     |     |     | *030109, 0308, 0332,<br>0336N, 0341,<br>29010101-290201,<br>290203, 2904, 2906-<br>2919, 3026, 3103,<br>3104, 3106, 3204   |
|     | 18  |     |    |     |     | 23  |     |     |     |     |     |     |     |     |     | *0304  |
|     |     |     |    |     |     | 23  |     |     |     |     |     |     |     |     |     | *0310, 1104  |
|     |     |     |    |     |     | 23  |     |     |     |     |     |     |     |     |     | *0317  |
|     |     |     |    |     |     | 23  |     |     |     |     |     |     |     |     |     | *0324, 3402  |
|     |     |     |    |     | 22  | 23  |     |     |     |     |     |     |     |     |     | *0350  |
|     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     | *110101-110110,<br>1103, 1105-1107,<br>1111-1113, 111501,<br>111502, 1120,<br>1121N, 1126, 1129,<br>1130, 1132-1134,<br>1136, 1137, 1141-<br>1143                  |
|     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     | *110201-110203,<br>1114, 1116-1119,<br>1140  |
|     |     |     |    |     | 22  |     |     |     |     |     |     |     |     |     |     | *1108, 1144  |
|     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     | *1110  |
|     |     |     |    |     |     |     |     |     |     |     |     |     |     |     | w   | *1125  |
|     | 18  |     |    |     |     |     |     |     |     |     |     |     |     |     |     | *1127, 1139  |
|     |     |     |    |     |     |     |     | 25  |     |     |     |     |     |     |     | *2482  |
| 17  | 18  | 19  | 20 | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  | 31  | 32  | Well No.   |
| 165 | 200 | 325 | 90 | 165 | 165 | 185 | 375 | 240 | 185 | 185 | 200 | 80  | 145 | 220 | 195 | Length of spec.  |
| 185 | 225 |     |    | 215 |     |     |     |     |     | 235 | 230 | 255 | 245 |     |     | PCR product  |

| 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | Well No.  |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| 17 |    |    |    |    |    |    |    |    |    |    |    |    | 30 | 31 |    | *250101-2503, 2506, 2507, 260101-260104, 260107-260702, 2609, 2610, 2612, 2613, 2615, 2617, 2619-2621, 2623-2626, 2629-2638, 4301, 6603, 6605 |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 30 | 31 |    | *2504, 260105, 260106, 2608, 2627   |
| 17 |    |    |    |    |    |    |    |    |    |    |    |    |    | 31 |    | *2614, 2618, 2628   |
| 17 |    |    |    |    |    |    |    |    |    |    |    |    | 30 | 31 | 32 | *2616   |
| 17 |    |    |    |    |    |    | 24 |    |    |    |    |    | 30 | 31 |    | *2622   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 31 |    | *2640   |
|    |    |    |    |    |    | 23 |    |    |    |    |    |    |    |    |    | *2905   |
|    |    |    |    |    |    | 23 |    |    |    |    |    |    |    |    |    | *3318   |
| 17 |    |    |    |    |    |    |    |    |    |    |    |    | 30 | 31 |    | *340101, 340102, 6601, 6602, 6604, 6607, 6608, 6610   |
|    |    |    |    |    |    | 23 |    |    |    |    |    |    |    | ?  |    | *3403, 3404, 3407, 3408   |
| 17 |    |    |    |    |    |    |    |    |    |    |    |    | 30 | ?  |    | *3405   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | ?  |    | *3406   |
|    |    |    |    |    | w  | 23 |    |    |    |    |    |    |    |    |    | *3601, 3603   |
|    |    |    |    |    | 22 | 23 |    |    |    |    |    |    |    |    |    | *3602   |
|    |    |    |    |    | w  |    |    |    |    |    |    |    |    |    |    | *3604   |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 30 | 31 |    | *6606   |
| 17 |    |    |    |    |    |    | 24 |    |    |    |    |    | 30 | 31 |    | *6609   |
|    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    | *6901   |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | Well No.  |