

| INTERPRETATION TABLE                                         |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|--------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| DPB1 SSP typing                                              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| Amplification patterns of the DPB1*0101 to DPB1*9901 alleles |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|                                                              | Well      |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|                                                              | 1         | 2         | 3         | 4         | 5         | 6         | 7         | 8         | 9         | 10        | 11        | 12        | 13        | 14        | 15        | 16        | 17        | 18        | 19        | 20        | 21        | 22        | 23        | 24        |
| Length of spec. PCR product                                  | 245       | 220       | 100       | 140       | 235       | 165       | 160       | 210       | 165       | 220       | 190       | 80        | 180       | 105       | 200       | 80        | 260       | 180       | 200       | 235       | 100       | 185       | 145       | 195       |
|                                                              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           | 265       |
| Length of int. pos. control <sup>1</sup>                     | 515       | 515       | 430       | 430       | 515       | 430       | 430       | 515       | 430       | 515       | 515       | 515       | 430       | 430       | 430       | 430       | 515       | 430       | 430       | 515       | 430       | 430       | 430       | 515       |
| 5'-primer(s) <sup>2</sup>                                    | 9(112)    | 9(112)    | 36(194)   | 36(194)   | 11(119)   | 35(191)   | 36(194)   | 9(113)    | 35(190)   | 9(113)    | 35(191)   | 55(252)   | 9(113)    | 35(190)   | 28(169)   | 56(254)   | 11(119)   | 11(119)   | 11(119)   | 11(119)   | 57(258)   | 36(194)   | 35(190)   | 9(113)    |
|                                                              | 5'-TgT 3' | 5'-TgT 3' | 5'-CgC 3' | 5'-CgC 3' | 5'-ggg 3' | 5'-gTA 3' | 5'-CgC 3' | 5'-TTT 3' | 5'-AgC 3' | 5'-TTT 3' | 5'-gTT 3' | 5'-gAT 3' | 5'-TTT 3' | 5'-AgC 3' | 5'-gAg 3' | 5'-TgA 3' | 5'-gTT 3' | 5'-gTT 3' | 5'-gTT 3' | 5'-gTT 3' | 5'-gAC 3' | 5'-CgC 3' | 5'-AgC 3' | 5'-TTT 3' |
|                                                              |           |           | 36(194)   | 36(194)   | 11(119)   | 35(191)   | 36(194)   |           | 36(194)   |           |           |           |           |           | 35(190)   |           |           | 11(119)   | 11(119)   | 11(119)   | 11(119)   |           | 36(194)   |           |
|                                                              |           |           | 5'-CgC 3' | 5'-CgC 3' | 5'-ggg 3' | 5'-gTA 3' | 5'-CgC 3' |           | 5'-CgT 3' |           |           |           |           |           | 5'-AgC 3' |           |           | 5'-gTT 3' | 5'-gTT 3' | 5'-gTT 3' | 5'-gTT 3' | 5'-CgC 3' |           |           |
|                                                              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|                                                              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|                                                              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|                                                              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|                                                              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 3'-primer(s) <sup>3</sup>                                    | 76(315)   | 69(292)   | 55(251)   | 69(292)   | 76(315)   | 76(315)   | 76(315)   | 65(280)   | 76(313)   | 69(292)   | 84(338)   | 69(292)   | 55(252)   | 55(252)   | 84(338)   | 69(292)   | 84(338)   | 57(258)   | 65(280)   | 76(315)   | 76(315)   | 84(338)   | 69(292)   | 60(265)   |
|                                                              | 5'-CAT 3' | 5'-CTT 3' | 5'-CAg 3' | 5'-CTT 3' | 5'-CAT 3' | 5'-CAT 3' | 5'-CAT 3' | 5'-gAT 3' | 5'-TAT 3' | 5'-CTC 3' | 5'-CgC 3' | 5'-CTC 3' | 5'-gCC 3' | 5'-gCC 3' | 5'-CgC 3' | 5'-CTT 3' | 5'-CgT 3' | 5'-TAg 3' | 5'-gAg 3' | 5'-CAT 3' | 5'-CAT 3' | 5'-CgC 3' | 5'-CTT 3' | 5'-gTg 3' |
|                                                              |           |           |           | 69(292)   |           |           |           | 65(281)   | 76(313)   |           |           |           |           |           |           |           |           |           |           |           |           |           | 69(292)   | 84(338)   |
|                                                              |           |           |           | 5'-CTT 3' |           |           |           | 5'-ggT 3' | 5'-CAT 3' |           |           |           |           |           |           |           |           |           |           |           |           |           | 5'-CTT 3' | 5'-CgT 3' |

|          |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
|----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|
|          |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| Well No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |  |

[illegible]

|                 |     |     |     |     |     |     |     |     |     |     |     |    |      |     |     |    |     |     |     |     |     |     |     |     |    |  |  |  |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|------|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|----|--|--|--|
| *1901           |     |     |     |     | 5   |     |     |     | 8   |     |     |    | 9 10 |     |     |    | 13  |     |     |     |     |     |     |     | 24 |  |  |  |
| Well No.        | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12 | 13   | 14  | 15  | 16 | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  |    |  |  |  |
| Length of spec. | 245 | 220 | 100 | 140 | 235 | 165 | 160 | 210 | 165 | 220 | 190 | 80 | 180  | 105 | 200 | 80 | 260 | 180 | 200 | 235 | 100 | 185 | 145 | 195 |    |  |  |  |
| PCR product     |     |     |     |     |     |     |     |     |     |     |     |    |      |     |     |    |     |     |     |     |     |     |     | 265 |    |  |  |  |
|                 |     |     |     |     |     |     |     |     |     |     |     |    |      |     |     |    |     |     |     |     |     |     |     |     |    |  |  |  |
|                 |     |     |     |     |     |     |     |     |     |     |     |    |      |     |     |    |     |     |     |     |     |     |     |     |    |  |  |  |
| Well No.        | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12 | 13   | 14  | 15  | 16 | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  |    |  |  |  |
| *1902           |     |     |     |     |     |     |     | 8   | 9   |     |     |    |      |     | 15  | 16 |     |     |     |     |     |     | 23  |     |    |  |  |  |
| *200101, 200102 |     | 2   |     |     |     |     |     |     | 9   |     |     |    |      |     |     | 16 | 17  | 18  | 19  |     |     |     |     |     |    |  |  |  |
| *2002           |     |     | 3   |     |     |     |     |     |     |     |     |    |      |     |     |    |     |     |     |     |     | 22  |     |     |    |  |  |  |
| *2101           |     |     |     |     |     |     |     |     | 9   |     |     |    |      | 14  |     |    | 17  |     |     |     |     |     |     |     |    |  |  |  |
| *2102           | 1   | 2   | 3   | 4   | 5   | 6   | 7   |     |     |     |     |    |      |     |     |    |     |     |     |     |     |     |     |     |    |  |  |  |
| *2201           |     |     |     |     |     |     |     | 8   | 9   | 10  |     |    | 13   | 14  |     |    |     |     |     |     |     |     |     | 24  |    |  |  |  |
| *2202           |     |     |     |     |     |     |     |     |     |     |     |    |      |     |     | 16 | 17  | 18  | 19  | 20  | 21  |     |     |     |    |  |  |  |
| *2301           |     |     |     |     |     |     |     | 8   | 9   |     | 11  |    |      |     |     |    |     |     |     |     |     |     |     |     |    |  |  |  |
| *2302N          |     |     | 3   | 4   |     |     |     | 8   |     |     | 11  |    |      |     |     |    |     |     |     |     |     | 22  |     |     |    |  |  |  |
| *2401           |     |     |     | 4   |     |     |     | 8   |     |     | 11  |    | 13   |     |     |    |     |     |     |     |     | 22  |     |     |    |  |  |  |
| *2402           |     |     | 3   | 4   |     |     |     | 8   |     |     | 11  |    |      |     |     |    |     |     |     |     |     | 22  |     |     |    |  |  |  |
| *2501           | 1   | 2   |     |     |     |     |     |     |     |     |     |    |      |     |     | 16 | 17  |     | 19  | 20  |     |     |     |     |    |  |  |  |
| *2502           | 1   | 2   |     | 4   | 5   | 6   | 7   |     |     |     |     |    |      |     |     | 16 |     |     |     |     |     |     |     |     |    |  |  |  |
| *260101         | 1   | 2   | 3   | 4   |     | 6   | 7   |     |     |     |     |    |      |     |     |    | 17  |     |     | 20  |     |     |     |     |    |  |  |  |
| *260102         | 1   | 2   | 3   | 4   |     | 6   | 7   |     |     |     |     |    |      |     |     |    | 17  |     |     | 20  |     |     |     |     |    |  |  |  |
| *2602           |     |     |     |     |     |     |     | 8   | 9   | 10  | 11  | 12 |      |     |     |    |     |     |     |     |     |     |     |     |    |  |  |  |
| *2701           |     | 2   | 3   | 4   |     |     |     |     |     |     |     |    |      |     |     |    | 17  |     |     |     |     |     |     |     |    |  |  |  |
| *2801           |     |     |     | 4   |     |     |     |     |     |     |     |    |      |     |     | 16 |     |     |     |     |     |     |     |     |    |  |  |  |
| *2901           | 1   |     |     |     |     |     |     |     |     |     |     | 12 |      |     |     |    | 17  | 18  | 19  | 20  | 21  |     |     |     |    |  |  |  |
| *3001           |     |     |     |     |     |     |     |     | 9   |     |     |    |      |     |     |    | 17  |     |     |     |     |     |     |     |    |  |  |  |
| *3101           |     |     | 3   | 4   |     |     |     |     |     |     |     |    |      |     |     |    |     |     |     |     |     |     |     | 24  |    |  |  |  |
| *3201           |     |     |     |     |     |     |     | 8   | 9   | 10  | 11  | 12 |      |     |     |    |     |     |     |     |     |     |     |     |    |  |  |  |
| *3301           |     |     | 3   |     |     |     |     | 8   |     | 10  | 11  |    |      |     |     |    |     |     |     |     |     | 22  |     |     |    |  |  |  |
| *3401           |     |     |     |     |     |     |     |     | 9   |     |     |    |      |     |     |    |     |     |     |     |     |     | 23  |     |    |  |  |  |
| *350101         |     |     |     |     |     |     |     |     |     |     |     |    |      |     |     | 16 | 17  | 18  |     | 20  | 21  |     |     |     |    |  |  |  |
| *350102         |     |     |     |     |     |     |     |     |     |     |     |    |      |     |     | 16 | 17  | 18  |     | 20  | 21  |     |     |     |    |  |  |  |
| *3601           |     | 2   |     |     |     |     |     |     | 9   |     |     |    |      | 14  |     |    | 17  |     |     |     |     |     | 23  |     |    |  |  |  |
| *3701           | 1   |     |     |     |     |     |     |     |     |     |     | 12 |      |     |     |    | 17  |     |     | 20  |     |     |     |     |    |  |  |  |
| *3801           |     |     |     |     |     |     |     | 8   | 9   |     |     |    | 13   | 14  |     |    |     |     |     |     |     |     | 23  | 24  |    |  |  |  |
| *3901           |     |     | 3   | 4   |     |     |     | 8   |     |     |     |    |      |     |     |    |     |     |     |     |     | 22  |     |     |    |  |  |  |
| *4001           |     |     | 3   | 4   |     |     |     | 8   |     |     |     |    |      |     |     |    |     |     |     |     |     |     |     |     |    |  |  |  |
| *410101, 410102 |     |     |     |     |     |     |     |     | 9   | 10  | 11  | 12 |      |     |     |    |     |     |     |     |     |     |     |     |    |  |  |  |
| *4401           | 1   |     |     |     |     |     |     |     |     |     |     | 12 |      |     |     |    | 17  | 18  | 19  | 20  | 21  |     |     |     |    |  |  |  |
| *4501           |     |     |     |     |     |     |     |     |     |     |     |    |      |     |     | 16 | 17  |     | 19  | 20  |     |     |     |     |    |  |  |  |
| *4601           |     |     |     |     |     |     |     | 8   | 9   | 10  | 11  | 12 |      |     |     |    |     |     |     |     |     |     |     |     |    |  |  |  |
| *4701           |     |     |     |     |     |     |     | 8   | 9   | 10  | 11  |    | 13   |     |     |    |     |     |     |     |     |     |     |     |    |  |  |  |
| *4801           |     |     |     |     |     |     |     | 8   | 9   | 10  |     | 12 |      |     | 15  |    |     |     |     |     |     |     |     |     |    |  |  |  |

|                 |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |    |     |     |     |     |     |     |     |     |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|
| *4901           | 4   |     |     |     | 8   |     |     |     |     |     |     |    | 16  |     |     |    |     |     |     |     | 22  |     |     |     |
| Well No.        | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12 | 13  | 14  | 15  | 16 | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  |
| Length of spec. | 245 | 220 | 100 | 140 | 235 | 165 | 160 | 210 | 165 | 220 | 190 | 80 | 180 | 105 | 200 | 80 | 260 | 180 | 200 | 235 | 100 | 185 | 145 | 195 |
| PCR product     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |    |     |     |     |     |     |     |     | 265 |
|                 |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |    |     |     |     |     |     |     |     |     |
|                 |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |    |     |     |     |     |     |     |     |     |
| Well No.        | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12 | 13  | 14  | 15  | 16 | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  |
| *5001           | 1   | 2   |     |     | 5   |     |     |     |     |     |     |    |     |     |     | 16 |     |     |     |     | 21  |     |     |     |
| *5101           |     |     |     | 4   |     |     |     | 8   |     |     | 11  |    |     |     |     | 16 |     |     |     |     |     | 22  |     |     |
| *5201           | 1   | 2   |     |     |     |     |     |     |     |     |     |    |     |     |     |    | 17  |     | 19  | 20  |     |     |     |     |
| *5301           |     |     |     | 4   |     |     |     | 8   |     |     |     |    |     |     |     | 16 |     |     |     |     |     |     |     |     |
| *5401           |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |    | 17  |     |     | 20  |     |     |     |     |
| *5501           |     |     |     |     |     |     |     |     | 9   |     |     |    |     |     |     |    | 17  |     |     |     |     |     |     |     |
| *5601           | 1   | 2   | 3   | 4   |     |     | 7   |     |     |     |     |    |     |     |     |    | 17  |     | 19  | 20  |     |     |     |     |
| *5701           |     |     |     |     | 5   |     |     |     |     |     |     |    |     |     |     | 16 |     |     |     |     | 21  |     |     | 24  |
| *5801           |     |     |     |     |     |     |     |     | 9   |     |     |    |     |     |     |    | 17  |     |     |     |     |     |     |     |
| *5901           |     |     |     |     |     |     |     |     | 9   |     | 11  |    |     |     |     | 16 |     |     |     |     |     |     |     |     |
| *6001           |     |     |     |     |     |     |     | 8   | 9   |     | 11  |    |     |     |     | 16 |     |     |     |     |     |     |     |     |
| *6101N          | 1   | 2   |     |     |     |     |     |     |     |     |     |    |     |     |     | 16 | 17  | 18  | 19  | 20  | 21  |     |     |     |
| *6201           |     |     |     |     |     |     |     | 8   | 9   |     |     |    |     |     |     |    |     |     |     |     |     |     | 23  |     |
| *6301           |     |     |     |     |     |     |     | 8   | 9   |     |     |    |     |     |     |    |     |     |     |     |     |     | 23  | 24  |
| *6401N          |     |     |     |     |     |     |     |     | 9   |     |     | 12 |     |     |     |    | 17  | 18  | 19  |     |     |     |     |     |
| *6501           |     |     | 3   | 4   | 5   | 6   | 7   | 8   |     |     |     |    |     |     |     |    |     |     |     |     |     |     |     | 24  |
| *6601           |     |     | 3   | 4   |     |     |     |     |     |     | 11  |    |     |     |     |    |     |     |     |     |     | 22  |     |     |
| *6701           |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |    | 17  |     | 19  | 20  |     |     |     |     |
| *6801           |     |     |     |     | 5   |     |     | 8   |     |     |     |    |     |     |     | 16 |     |     |     |     |     |     |     | 24  |
| *6901           |     |     |     |     |     |     |     |     | 9   |     |     |    |     |     |     |    | 17  | 18  | 19  |     |     |     |     |     |
| *7001           |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     | 16 | 17  | 18  | 19  | 20  | 21  |     |     |     |
| *7101           |     |     |     |     |     |     |     | 8   | 9   | 10  | 11  |    |     |     |     |    |     |     |     |     |     |     |     |     |
| *7201           |     |     | 3   | 4   |     |     |     |     |     |     | 11  |    |     |     |     |    |     |     |     |     |     | 22  |     |     |
| *7301           |     |     |     |     | 5   |     |     |     |     |     | 11  |    |     |     |     | 16 |     |     |     |     |     |     |     |     |
| *7401           |     |     | 3   |     |     |     |     |     |     |     |     |    |     |     |     |    |     |     | 19  |     |     |     |     |     |
| *7501           |     |     |     |     | 5   |     |     | 8   |     |     | 11  |    |     |     |     | 16 |     |     |     |     |     |     |     |     |
| *7601           |     |     |     | 4   |     |     | 7   |     |     |     |     |    |     |     |     | 16 | 17  | 18  | 19  | 20  | 21  |     |     |     |
| *7701           |     |     |     |     |     |     |     | 8   | 9   |     | 11  |    |     |     |     | 16 |     |     |     |     |     |     |     |     |
| *7801           | 1   | 2   |     |     |     |     |     |     |     |     |     |    |     |     |     | 16 | 17  | 18  | 19  | 20  | 21  |     |     |     |
| *7901           | 1   | 2   |     |     |     |     |     |     |     |     |     |    |     |     |     | 16 | 17  |     |     | 20  |     |     |     |     |
| *8001           |     |     |     |     |     |     |     | 8   | 9   |     | 11  |    |     |     |     | 16 |     |     |     |     |     |     |     |     |
| *8101           |     |     |     |     |     |     |     | 8   |     | 10  | 11  | 12 |     |     |     |    |     |     |     |     |     | 22  |     |     |
| *8201           |     |     |     |     |     |     |     | 8   | 9   |     | 11  |    |     |     |     | 16 |     |     |     |     |     |     |     |     |
| *8301           |     |     |     |     |     |     |     |     | 9   |     | 11  |    |     |     |     | 16 |     |     |     |     |     |     |     |     |
| *8401           |     |     |     |     | 5   |     |     | 8   |     |     |     |    |     |     |     |    |     |     |     |     |     |     |     | 24  |
| *8501           |     | 2   | 3   | 4   |     |     |     |     |     |     |     |    |     |     |     |    | 17  |     |     |     |     |     |     |     |
| *8601           |     |     |     |     |     |     |     |     | 9   |     | 11  | 12 |     |     |     |    |     | 18  |     |     |     |     |     |     |

|                          |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |    |     |     |     |     |     |     |     |     |  |  |  |  |
|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|--|--|
| *8701                    | 2   |     |     |     |     |     |     |     | 9   |     |     |    |     |     |     |    | 17  |     |     |     | 19  |     |     |     |  |  |  |  |
| Well No.                 | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12 | 13  | 14  | 15  | 16 | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  |  |  |  |  |
| Length of spec.          | 245 | 220 | 100 | 140 | 235 | 165 | 160 | 210 | 165 | 220 | 190 | 80 | 180 | 105 | 200 | 80 | 260 | 180 | 200 | 235 | 100 | 185 | 145 | 195 |  |  |  |  |
| PCR product              |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |    |     |     |     |     |     |     |     | 265 |  |  |  |  |
|                          |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |    |     |     |     |     |     |     |     |     |  |  |  |  |
|                          |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |    |     |     |     |     |     |     |     |     |  |  |  |  |
| Well No.                 | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12 | 13  | 14  | 15  | 16 | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  |  |  |  |  |
| *8801                    | 1   |     |     |     |     |     |     |     |     |     |     | 12 |     |     |     |    | 17  | 18  |     | 20  | 21  |     |     |     |  |  |  |  |
| *8901                    |     | 2   | 3   | 4   |     |     |     |     |     |     |     |    |     |     |     |    |     |     |     |     |     |     |     |     |  |  |  |  |
| *9001                    | 1   | 2   | 3   | 4   | 5   |     | 7   |     |     |     |     |    |     |     |     |    |     |     |     |     |     |     |     |     |  |  |  |  |
| *9101                    |     |     |     |     |     |     |     |     | 9   |     |     |    |     |     |     | 16 | 17  | 18  | 19  |     |     |     |     |     |  |  |  |  |
| *9201                    | 1   | 2   |     | 4   |     |     | 7   |     |     |     |     |    |     |     |     | 16 | 17  | 18  | 19  | 20  | 21  |     |     |     |  |  |  |  |
| *9301                    |     |     |     |     |     |     |     |     | 9   |     |     | 12 |     |     |     |    | 17  |     |     |     |     |     |     |     |  |  |  |  |
| *9401                    |     |     |     |     |     |     |     | 8   | 9   |     | 11  |    |     |     |     |    |     |     |     |     |     |     |     |     |  |  |  |  |
| *9501                    |     |     |     |     |     |     |     |     | 9   | 10  |     |    |     |     | 15  |    |     |     |     |     |     |     |     |     |  |  |  |  |
| *9601                    |     |     | 3   | 4   |     |     |     | 8   |     |     |     |    |     |     |     |    |     |     |     |     |     | 22  |     |     |  |  |  |  |
| *9701                    |     |     |     |     |     |     |     | 8   | 9   |     |     |    | 13  | 14  |     |    |     |     |     |     |     |     | 23  | 24  |  |  |  |  |
| *9801                    |     |     |     |     |     |     |     |     | 9   |     |     |    |     |     |     | 16 | 17  | 18  |     |     |     |     |     |     |  |  |  |  |
| *9901                    |     |     | 3   | 4   |     |     |     | 8   |     |     | 11  |    |     |     | 15  |    |     |     |     |     |     | 22  |     |     |  |  |  |  |
| DPB1 allele <sup>4</sup> |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |    |     |     |     |     |     |     |     |     |  |  |  |  |
| Well No.                 | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12 | 13  | 14  | 15  | 16 | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  |  |  |  |  |

| INTERPRETATION TABLE                                         |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |                   |            |            |            |            |            |            |            |                           |  |  |  |
|--------------------------------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------------|------------|------------|------------|------------|------------|------------|------------|---------------------------|--|--|--|
| DPB1 SSP typing                                              |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |                   |            |            |            |            |            |            |            |                           |  |  |  |
| Amplification patterns of the DPB1*0101 to DPB1*9901 alleles |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |                   |            |            |            |            |            |            |            |                           |  |  |  |
| Well                                                         |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |                   |            |            |            |            |            |            |            |                           |  |  |  |
| 25                                                           | 26         | 27         | 28         | 29         | 30         | 31         | 32         | 33         | 34         | 35         | 36         | 37         | 38         | 39         | 40         | 41                | 42         | 43         | 44         | 45         | 46         | 47         | 48         |                           |  |  |  |
| 190                                                          | 75         | 95         | 200        | 220        | 185        | 120        | 75         | 140        | 210        | 195        | 260        | 185        | 100        | 210        | 95         | 75                | 140        | 65         | 110        | 120        | 205        | 165        | 210        | Length of spec.           |  |  |  |
| 265                                                          |            |            | 260        |            |            |            | 195        | 205        |            |            |            | 255        |            |            | 180        | 230               | 185        | 190        | 185        | 190        |            | 255        | 280        | PCR product               |  |  |  |
|                                                              |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |                   | 285        |            | 245        | 245        |            |            |            |                           |  |  |  |
|                                                              |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |                   |            |            | 270        |            |            |            |            |                           |  |  |  |
|                                                              |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |                   |            |            |            |            |            |            |            | Length of int.            |  |  |  |
| 515                                                          | 515        | 430        | 430        | 515        | 430        | 430        | 430        | 430        | 515        | 430        | 515        | 515        | 515        | 515        | 430        | 515               | 430        | 430        | 430        | 430        | 515        | 515        | 515        | pos. control <sup>1</sup> |  |  |  |
| 9(112)                                                       | 57(258)    | 57(258)    | 11(119)    | 9(112)     | 9(112)     | 57(258)    | 33(184)    | 15(130)    | 9(112)     | 33(184)    | 11(119)    | 36(194)    | 35(190)    | 9(113)     | 22(24)     | 1 <sup>st</sup> I | 9(113)     | 35(190)    | 7(108)     | 17(136)    | 9(113)     | 35(190)    | 11(119)    | 5'-primer(s) <sup>2</sup> |  |  |  |
| 5' -Tgg 3'                                                   | 5' -gAC 3' | 5' -gAC 3' | 5' -gTT 3' | 5' -TgC 3' | 5' -TgC 3' | 5' -gAg 3' | 5' -ggC 3' | 5' -AAg 3' | 5' -TgC 3' | 5' -ggC 3' | 5' -ggg 3' | 5' -CgC 3' | 5' -AgC 3' | 5' -TTT 3' | 5' -gCA 3' | 5' -CAT 3'        | 5' -TTT 3' | 5' -AgC 3' | 5' -TAA 3' | 5' -ACA 3' | 5' -TTT 3' | 5' -AgC 3' | 5' -gTT 3' |                           |  |  |  |
| 35(190)                                                      |            |            | 11(119)    |            |            |            | 33(184)    | 36(194)    |            | 33(184)    | 11(119)    | 36(194)    | 36(194)    |            | 9(112)     | 9(113)            |            | 196(675)   | 10(115)    | 35(191)    |            | 107(406)   | 11(119)    |                           |  |  |  |
| 5' -AgC 3'                                                   |            |            | 5' -gTT 3' |            |            |            | 5' -ggC 3' | 5' -CgC 3' |            | 5' -ggC 3' | 5' -ggg 3' | 5' -CgC 3' | 5' -CgT 3' |            | 5' -TgC 3' | 5' -TTT 3'        |            | 5' -AAg 3' | 5' -TCT 3' | 5' -gTA 3' |            | 5' -CCT 3' | 5' -gTT 3' |                           |  |  |  |
|                                                              |            |            |            |            |            |            | 5' -gCT 3' | 73(305)    | 36(194)    |            |            |            | 107(406)   | 39(202)    |            |                   |            |            | 17(136)    | 57(258)    |            |            |            |                           |  |  |  |
|                                                              |            |            |            |            |            |            | 5' -CgC 3' | 5' -CgC 3' |            |            |            | 5' -CCT 3' | 5' -TCT 3' |            |            |                   |            |            | 5' -ACC 3' | 5' -gAC 3' |            |            |            |                           |  |  |  |
|                                                              |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |                   |            |            | 5' -CCC 3' |            |            |            |            |                           |  |  |  |
|                                                              |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |                   |            |            |            |            |            |            |            |                           |  |  |  |
| 5' -CgT 3'                                                   | 5' -CTC 3' | 5' -TAT 3' | 5' -gAT 3' | 5' -CTC 3' | 5' -TAG 3' | 5' -CgT 3' | 5' -CgT 3' | 5' -CTC 3' | 5' -gAg 3' | 5' -CgA 3' | 5' -CgA 3' | 5' -CgA 3' | 5' -Cag 3' | 5' -gAg 3' | 5' -CAC 3' | 5' -gCA 3'        | 5' -CCA 3' | 5' -CgA 3' | 5' -Cag 3' | 5' -CgC 3' | 5' -gTg 3' | 5' -CAT 3' | 5' -CTA 3' | 3'-primer(s) <sup>3</sup> |  |  |  |
| 84(338)                                                      | 69(292)    | 76(313)    | 65(280)    | 69(292)    | 57(258)    | 84(338)    | 84(338)    | 69(292)    | 65(280)    | 84(338)    | 84(338)    | 84(338)    | 55(251)    | 65(280)    | -4(76)     | 12(122)           | 43(214)    | 84(338)    | 55(251)    | 84(338)    | 64(277)    | 76(315)    | 67(286)    |                           |  |  |  |
|                                                              |            | 76(313)    | 84(337)    |            |            |            |            |            |            |            |            | 178(619)   |            |            | 55(252)    | 70(295)           | 57(257)    | 205(700)   | 84(338)    |            | 65(280)    | 178(619)   | 91(359)    |                           |  |  |  |
| 5' -CAT 3'                                                   | 5' -gTT 3' |            |            |            |            |            |            |            |            |            |            | 5' -CAT 3' |            |            | 5' -gCC 3' | 5' -CCA 3'        | 5' -ACA 3' | 5' -CAT 3' | 5' -CgT 3' |            | 5' -gAA 3' | 5' -Cag 3' | 5' -ggT 3' |                           |  |  |  |
|                                                              |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |                   |            |            |            |            |            |            |            |                           |  |  |  |
| 72(301)                                                      | 91(359)    |            |            |            |            |            |            |            |            |            |            |            |            |            |            |                   |            |            |            |            |            |            |            |                           |  |  |  |

|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |           |           |    |    |    |    |          |  |           |  |  |  |  |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----------|-----------|----|----|----|----|----------|--|-----------|--|--|--|--|
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 5'-CAA 3' | 5'-ggT 3' |    |    |    |    |          |  | 5'-ggT 3' |  |  |  |  |
| 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43        | 44        | 45 | 46 | 47 | 48 | Well No. |  |           |  |  |  |  |

|     |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                                    |
|-----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------------------------------|
| 190 | 75 | 95 | 200 | 220 | 185 | 120 | 75  | 140 | 210 | 195 | 260 | 185 | 100 | 210 | 95  | 75  | 140 | 65  | 110 | 120 | 205 | 165 | 210 | Length of spec.                    |
| 265 |    |    | 260 |     |     |     | 195 | 205 |     |     |     | 255 |     |     | 180 | 230 | 185 | 190 | 185 | 190 |     | 255 | 280 | PCR product                        |
|     |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 285 |     | 245 | 245 |     |     |     |                                    |
|     |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 270 |     |     |     |     |                                    |
| 25  | 26 | 27 | 28  | 29  | 30  | 31  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 40  | 41  | 42  | 43  | 44  | 45  | 46  | 47  | 48  | Well No.                           |
|     |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | DPB1 allele <sup>4</sup>           |
|     |    |    |     |     |     | 31  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | *010101-010103                     |
|     |    |    |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     |     |     |     |     | ?   |     | *0102                              |
|     |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 47  |     |     | *020102, 020104,<br>020105, 020107 |
|     |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 47  |     |     | *020103                            |
|     |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 47  |     |     | *020106                            |
|     |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 47  |     |     | *0202                              |
|     |    |    |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     | ?   |     |     | *0203                              |
|     |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | *030101, 030102                    |
|     |    |    |     |     |     | 31  |     |     |     |     |     | ?   |     | 39  | ?   |     |     | ?   |     |     |     | ?   |     | *0302                              |
|     |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 47  |     |     | *040101, 040102                    |
|     |    |    |     |     |     |     |     |     |     |     |     | 37  |     |     |     |     |     |     |     |     |     |     |     | *0402                              |
|     |    |    |     |     |     | 31  |     |     |     |     |     | ?   | 38  |     | ?   |     |     | ?   |     |     | ?   |     |     | *0403                              |
| 25  |    |    |     |     |     | 31  |     |     |     |     |     |     |     |     |     |     |     | 43  |     |     |     |     |     | *050101, 050102                    |
|     |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 43  |     |     |     |     |     | *0502                              |
|     | 26 | 27 |     |     |     |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     |     |     |     | *0601                              |
|     |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 47  |     |     | *0602                              |
|     |    |    |     |     |     | 31  |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     | ?   |     |     | *0801                              |
|     |    |    |     |     |     | 31  |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 47  |     |     | *0802                              |
|     | 26 |    | 28  | 29  | 30  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | *0901                              |
|     |    |    | 28  |     |     | 31  |     | 33  |     |     |     |     |     |     | 40  |     |     |     |     |     |     |     |     | *0902                              |
|     |    |    | 28  | 29  |     | 31  |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *1001                              |
|     |    | 27 |     |     |     |     |     |     |     |     |     | ?   |     | 39  | ?   |     |     | ?   |     | 45  |     | ?   |     | *1002                              |
|     |    |    |     |     |     | 31  | 32  |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *110101, 110102                    |
|     |    |    | 28  |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *1102                              |
|     |    |    | 28  |     |     | 31  |     | 33  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | *1301                              |
|     |    |    | 28  |     |     | 31  |     | 33  |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *1302                              |
|     |    |    |     |     | 30  |     |     |     | 34  |     |     |     |     |     |     |     |     |     |     |     |     |     |     | *1401                              |
|     |    |    |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   | 44  |     |     | ?   |     | *1402                              |
|     |    |    |     |     |     |     |     |     | 35  | 36  | 37  |     |     |     |     |     |     |     |     |     |     |     |     | *1501                              |
|     |    |    |     |     |     |     |     |     |     |     |     | ?   | 38  |     | ?   |     |     | ?   |     |     |     | ?   |     | *1502                              |
|     |    |    |     |     |     | 31  |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     |     |     |     | *1601                              |
|     |    |    | 28  | 29  |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *1602                              |
|     | 26 | 27 | 28  | 29  | 30  |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     |     | 47  |     | *1701                              |
| 25  |    |    |     |     |     | 31  |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | 47  |     | *1702                              |
|     |    |    |     |     |     |     |     |     |     | 36  |     |     |     |     | ?   |     |     | ?   |     |     |     |     |     | *1801                              |
|     |    |    |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     | 45  |     | ?   |     | *1802                              |

|     |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                 |  |  |  |
|-----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------------|--|--|--|
|     |    |    |     | 31  |     |     |     |     |     |     |     |     |     |     |     | 43  |     |     |     |     |     |     |     | *1901           |  |  |  |
| 25  | 26 | 27 | 28  | 29  | 30  | 31  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 40  | 41  | 42  | 43  | 44  | 45  | 46  | 47  | 48  | Well No.        |  |  |  |
| 190 | 75 | 95 | 200 | 220 | 185 | 120 | 75  | 140 | 210 | 195 | 260 | 185 | 100 | 210 | 95  | 75  | 140 | 65  | 110 | 120 | 205 | 165 | 210 | Length of spec. |  |  |  |
| 265 |    |    | 260 |     |     |     | 195 | 205 |     |     |     | 255 |     |     | 180 | 230 | 185 | 190 | 185 | 190 |     | 255 | 280 | PCR product     |  |  |  |
|     |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 285 |     | 245 | 245 |     |     |     |                 |  |  |  |
|     |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 270 |     |     |     |     |                 |  |  |  |
| 25  | 26 | 27 | 28  | 29  | 30  | 31  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 40  | 41  | 42  | 43  | 44  | 45  | 46  | 47  | 48  | Well No.        |  |  |  |
|     |    |    |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *1902           |  |  |  |
|     |    | 27 |     |     |     |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     |     |     |     | *200101, 200102 |  |  |  |
|     |    |    | 28  |     |     |     |     | 33  |     |     |     | ?   |     |     | ?   |     |     | ?   |     | 45  |     | ?   |     | *2002           |  |  |  |
| 25  |    |    | 28  |     |     | 31  |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *2101           |  |  |  |
|     |    |    |     |     |     | 31  |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   | 44  |     |     | ?   |     | *2102           |  |  |  |
| 25  |    |    |     |     |     | 31  |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *2201           |  |  |  |
|     |    |    | 28  |     | 30  |     |     |     | 34  |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *2202           |  |  |  |
|     |    |    |     |     |     |     |     |     |     |     |     |     | 38  |     | ?   |     |     | ?   |     |     |     | 47  |     | *2301           |  |  |  |
|     |    |    |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   | 44  |     |     | ?   |     | *2302N          |  |  |  |
|     |    |    |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *2401           |  |  |  |
|     |    |    |     |     |     |     |     |     |     |     |     |     | 38  |     | ?   |     |     | ?   |     |     |     | 47  |     | *2402           |  |  |  |
|     |    |    |     |     |     | 31  |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *2501           |  |  |  |
|     |    |    |     |     |     | 31  |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *2502           |  |  |  |
|     |    |    | 28  |     |     | 31  |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *260101         |  |  |  |
|     |    |    | 28  |     |     | 31  |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     |     |     |     | *260102         |  |  |  |
|     |    |    |     |     |     |     |     | 33  |     |     |     |     |     |     | ?   |     |     | ?   |     |     |     | 47  |     | *2602           |  |  |  |
|     |    |    | 28  |     |     | 31  |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *2701           |  |  |  |
|     |    |    |     |     |     |     |     |     |     | 36  | 37  |     |     | 39  | ?   |     |     | ?   |     |     |     | 47  |     | *2801           |  |  |  |
| 26  |    |    |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *2901           |  |  |  |
|     |    |    | 28  | 29  |     | 31  |     |     |     |     |     | ?   |     |     | 40  |     |     | ?   |     |     |     | ?   |     | *3001           |  |  |  |
|     |    |    |     |     |     | 31  |     |     |     |     |     | ?   |     | 39  | ?   | 41  |     | ?   |     |     |     | ?   |     | *3101           |  |  |  |
|     |    |    |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     | 42  | ?   |     |     |     | ?   |     | *3201           |  |  |  |
|     |    |    |     |     |     |     |     | 33  |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *3301           |  |  |  |
|     |    |    |     |     |     |     |     |     |     | 36  | ?   | 38  | 39  | ?   | ?   | 41  |     | 43  |     |     |     | ?   |     | *3401           |  |  |  |
|     |    |    | 28  |     | 30  |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *350101         |  |  |  |
|     |    |    | 28  |     |     |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     |     |     |     | *350102         |  |  |  |
| 25  |    |    | 28  |     |     | 31  |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *3601           |  |  |  |
|     |    |    | 28  |     |     | 31  |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *3701           |  |  |  |
| 25  |    |    |     |     |     | 31  |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   | 44  |     |     | ?   |     | *3801           |  |  |  |
|     |    |    |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     | 45  |     | ?   |     | *3901           |  |  |  |
|     |    |    |     |     |     |     |     |     |     | 36  | 37  |     |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *4001           |  |  |  |
|     |    |    |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     | 46  | ?   |     | *410101, 410102 |  |  |  |
| 25  | 26 |    |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | 47  |     | *4401           |  |  |  |
|     |    |    |     |     |     | 31  |     |     | 34  |     |     |     |     |     | ?   |     |     | ?   |     |     |     |     |     | *4501           |  |  |  |
|     | 26 | 27 |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     | 45  |     | ?   |     | *4601           |  |  |  |
|     |    |    |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *4701           |  |  |  |
|     |    |    |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *4801           |  |  |  |

|     |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                 |
|-----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------------|
|     |    |    |     |     |     |     |     |     |     |     |     | ?   |     | ?   |     |     | ?   |     | 45  |     | ?   |     |     | *4901           |
| 25  | 26 | 27 | 28  | 29  | 30  | 31  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 40  | 41  | 42  | 43  | 44  | 45  | 46  | 47  | 48  | Well No.        |
| 190 | 75 | 95 | 200 | 220 | 185 | 120 | 75  | 140 | 210 | 195 | 260 | 185 | 100 | 210 | 95  | 75  | 140 | 65  | 110 | 120 | 205 | 165 | 210 | Length of spec. |
| 265 |    |    | 260 |     |     |     | 195 | 205 |     |     |     | 255 |     |     | 180 | 230 | 185 | 190 | 185 | 190 |     | 255 | 280 | PCR product     |
|     |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 285 |     | 245 | 245 |     |     |     |                 |
|     |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 270 |     |     |     |     |                 |
| 25  | 26 | 27 | 28  | 29  | 30  | 31  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 40  | 41  | 42  | 43  | 44  | 45  | 46  | 47  | 48  | Well No.        |
|     |    |    |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *5001           |
|     |    |    |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *5101           |
|     |    |    |     |     |     | 31  |     |     |     |     |     | ?   | 38  |     | ?   |     |     | ?   |     |     |     | ?   |     | *5201           |
|     |    |    |     |     |     |     |     |     |     |     | 36  | 37  |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *5301           |
|     |    |    | 28  | 29  |     | 31  |     |     |     |     |     | ?   |     |     | 40  |     |     | ?   |     |     |     | ?   |     | *5401           |
|     |    |    | 28  | 29  |     | 31  |     |     |     |     |     |     | 38  |     | ?   |     |     | ?   |     |     |     | 47  |     | *5501           |
|     |    |    |     |     |     | 31  |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *5601           |
|     |    |    |     |     |     |     |     |     |     |     |     | ?   |     | 39  | ?   |     |     | ?   |     |     |     | ?   |     | *5701           |
| 25  |    |    | 28  | 29  |     | 31  |     |     |     |     |     | ?   | 38  |     | ?   |     |     | ?   |     |     |     | ?   |     | *5801           |
|     |    |    |     |     |     |     |     |     |     |     |     | ?   |     | 39  | ?   |     |     | ?   |     |     |     | ?   |     | *5901           |
|     |    |    |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     | 46  |     | ?   |     | *6001           |
|     |    |    |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   | 48  | *6101N          |
|     |    |    |     |     |     |     |     |     |     |     | 36  | ?   | 38  |     | ?   |     |     | 43  |     |     |     | ?   |     | *6201           |
| 25  |    |    |     |     |     | 31  |     |     |     |     |     | ?   | 38  |     | ?   |     |     | ?   |     |     |     | ?   |     | *6301           |
|     | 26 | 27 |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   | 44  |     |     | ?   |     | *6401N          |
|     |    |    |     |     |     | 31  |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *6501           |
|     |    |    | 28  |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *6601           |
|     |    |    |     |     |     | 31  |     |     | 34  |     |     | ?   | 38  |     | ?   |     |     | ?   |     |     |     | ?   |     | *6701           |
|     |    |    |     |     |     | 31  |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *6801           |
|     |    | 27 |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *6901           |
| 25  |    |    |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *7001           |
|     |    |    |     |     |     |     |     |     |     |     |     | ?   | 38  |     | ?   |     |     | ?   |     |     |     | ?   |     | *7101           |
|     |    |    |     |     |     |     |     |     |     |     |     | ?   |     | 39  | ?   |     |     | ?   |     |     |     | ?   |     | *7201           |
|     |    |    |     |     |     |     |     |     |     |     |     | ?   |     | 39  | ?   |     |     | ?   |     |     |     | ?   |     | *7301           |
|     |    |    |     |     |     |     |     |     |     | 35  | 37  |     |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *7401           |
|     |    |    |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *7501           |
|     |    |    |     |     | 30  |     |     |     | 34  |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *7601           |
|     |    |    |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   | 41  |     | ?   |     |     |     | ?   |     | *7701           |
|     |    |    |     |     |     |     | 32  |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *7801           |
|     |    |    | 28  |     |     | 31  |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *7901           |
|     |    | 27 |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     | 45  |     | ?   |     | *8001           |
|     |    |    |     |     |     |     |     | 33  |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *8101           |
|     |    |    |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     | 42  | ?   |     |     |     | ?   |     | *8201           |
|     |    |    |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     | 46  | ?   |     | *8301           |
|     |    |    |     |     |     | 31  |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *8401           |
|     |    |    | 28  |     |     | 31  |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     |     |     | 48  | *8501           |
|     | 26 | 27 | 28  | 29  | 30  |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     | 45  |     | ?   |     | *8601           |

|     |    |    |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |                          |
|-----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------------|
|     |    |    |     | 31  |     |     |     |     |     |     |     |     | ? 38 | ?   |     |     | ?   |     |     |     | ?   |     |     | *8701                    |
| 25  | 26 | 27 | 28  | 29  | 30  | 31  | 32  | 33  | 34  | 35  | 36  | 37  | 38   | 39  | 40  | 41  | 42  | 43  | 44  | 45  | 46  | 47  | 48  | Well No.                 |
| 190 | 75 | 95 | 200 | 220 | 185 | 120 | 75  | 140 | 210 | 195 | 260 | 185 | 100  | 210 | 95  | 75  | 140 | 65  | 110 | 120 | 205 | 165 | 210 | Length of spec.          |
| 265 |    |    | 260 |     |     |     | 195 | 205 |     |     |     | 255 |      |     | 180 | 230 | 185 | 190 | 185 | 190 |     | 255 | 280 | PCR product              |
|     |    |    |     |     |     |     |     |     |     |     |     |     |      |     |     |     | 285 |     | 245 | 245 |     |     |     |                          |
|     |    |    |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     | 270 |     |     |     |     |                          |
| 25  | 26 | 27 | 28  | 29  | 30  | 31  | 32  | 33  | 34  | 35  | 36  | 37  | 38   | 39  | 40  | 41  | 42  | 43  | 44  | 45  | 46  | 47  | 48  | Well No.                 |
|     | 26 |    | 28  |     |     |     |     |     |     |     |     |     |      |     | ?   |     |     | ?   |     |     |     |     |     | *8801                    |
|     |    |    |     |     |     | 31  |     |     |     |     |     | ?   |      |     | ?   |     |     | ?   |     |     |     | ?   |     | *8901                    |
|     |    |    |     |     |     | 31  |     |     |     |     |     | ?   |      |     | ?   |     |     | ?   |     |     |     | ?   |     | *9001                    |
|     |    | 27 |     |     | 30  |     |     |     | 34  |     |     | ?   |      |     | ?   |     |     | ?   |     |     |     | ?   |     | *9101                    |
|     |    |    |     |     |     |     |     |     |     |     |     | ?   |      |     | ?   |     |     | ?   |     |     |     | ?   |     | *9201                    |
|     |    |    | 28  |     |     | 31  |     |     |     |     |     | ?   |      |     | ?   |     |     | ?   |     |     |     | ?   |     | *9301                    |
|     |    |    |     |     |     |     |     |     |     |     |     | ?   |      |     | ?   | 41  |     | ?   |     |     |     | ?   |     | *9401                    |
|     |    |    |     |     |     |     |     |     |     |     |     | ?   | 38   | 39  | ?   |     |     | ?   |     |     |     | ?   |     | *9501                    |
|     |    |    |     |     |     |     |     |     |     |     |     | ?   |      |     | ?   |     |     | ?   |     | 45  | 46  | ?   |     | *9601                    |
| 25  |    |    |     |     |     | 31  |     |     |     |     |     | ?   |      |     | ?   |     | 42  | ?   |     |     |     | ?   |     | *9701                    |
|     |    | 27 | 28  |     | 30  |     |     |     |     |     |     | ?   |      |     | ?   |     |     | ?   |     |     |     | ?   |     | *9801                    |
|     |    |    |     |     |     |     |     |     |     |     |     | ?   |      |     | ?   |     |     | ?   |     |     |     | ?   |     | *9901                    |
|     |    |    |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     | DPB1 allele <sup>4</sup> |
| 25  | 26 | 27 | 28  | 29  | 30  | 31  | 32  | 33  | 34  | 35  | 36  | 37  | 38   | 39  | 40  | 41  | 42  | 43  | 44  | 45  | 46  | 47  | 48  | Well No.                 |