

INTERPRETATION TABLE

HLA-B*52 SSP subtyping

Amplification patterns of the B*5201 to B*5214 alleles

| | Well | | | | | | | |
|---------------------------|-------------------------------------------------------------------------------------------------|------|------|------|------|---------------------------|-----|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Length of spec. | 95 | 235 | 95 | 140 | 190 | 135 | 225 | 320 |
| PCR product | | | | | | | | |
| Length of int. | 800 | 1070 | 1070 | 1070 | 1070 | 1070 | 800 | 1070 |
| pos. control ¹ | | | | | | | | |
| 5'-primer ² | 527 | 106 | 206 | 209 | 435 | 435 | 134 | 49 |
| | <small>5' -TgA 3'5' -CCA 3'5' -gAC 3'5' -ggC 3'5' -AAA 3'5' -AAA 3'5' -CCC 3'5' -CAg 3'</small> | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| 3'-primer ³ | 583 | 302 | 259 | 309 | 583 | 527 | 317 | 200 |
| | <small>5' -gTg 3'5' -ggC 3'5' -CTC 3'5' -ATC 3'5' -gTA 3'5' -CCA 3'5' -ggA 3'5' -TCT 3'</small> | | | | | | | |
| | | | | | | 527 | | |
| | | | | | | <small>5' -CCA 3'</small> | | |
| Well No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| HLA-B allele | | | | | | | | |
| *520101-520104 | 1 | | 3 | | | | | |
| *5202 | 1 | | | 4 | | | | |
| *5203 | | | 3 | | 5 | 6 | | |
| *5204 | 1 | | 3 | | | | | 8 |
| *5205 | 1 | | 3 | | | | 7 | |
| *520601 | 1 | | 3 | | | | | |
| *520602 | 1 | | 3 | | | | | |
| *5207 | 1 | | 3 | | | | | |
| *5208 | 1 | | 3 | | | | | |
| *5209 | 1 | 2 | 3 | | | | | |
| *5210 | | | 3 | | | 6 | | |
| *5211 | | | 3 | | 5 | | | |
| *5212 | 1 | | 3 | | | | | |
| *5213 | 1 | | 3 | | | | | |
| *5214 | 1 | | 3 | | | | | |
| Well No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

| Length of spec. | 95 | 235 | 95 | 140 | 190 | 135 | 225 | 320 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-----|----|-----|-----|-----|-----|-----|
| PCR product | | | | | | | | |
| Well No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| *070201-070207, 070209-070502, 0706-0737, 0739-0757, 0759-0772, 0775-0777, 080101-080106, 0804-0838, 0840, 1307N, 15010101, 15010102N, 150103, 150104, 150106-150301, 1505-1508, 1510-1512, 1514, 1515, 1518, 1519, 1521, 1523, 152501-1535, 1539, 1540, 1542, 1544-1558, 1560-1566, 1568-1586, 1588-1594N, 1596-1599, 9501, 9503-9529, 9531-9536, 9538-9554, 9556, 9558-9561, 9563, 9564, 180101-1811, 1813, 1814, 1817N, 1818, 1820-1829, 1831-1833, 1835, 2701-2713, 2715-2721, 2724-2728, 2730-2746, 2750-2752, 3531, 3543, 3557, 3560, 3579, 3587, 3708, 380101-380202, 3804, 3805, 3808-3819, 39010101, 39010102L, 390103-3905, 3907-391901, 3920, 3922-3932, 3935-3945, 3947-3949, 400101-400105, 400201-4005, 4007-4012, 401401-4016, 4018, 4020-4025, 4027, 4029-4040, 4042, 4043, 4045, 4046, 4048-4050, 4052, 4054-4069, 4071-4074, 4076-4082, 4084, 4085, 4087-4092, 4094, 4097, 4098, 4101-4108, 4201, 4202, 4204-4212, 4409, 4412, 4413, 4446, 4467, 4469, 4501, 4503-4508, 460101-4619, 4621, 4702, 480101, 480102, 480301-4817, 4819, 5001, 5002, 5004, 5401-5413, 5416-5419, 550101-550103, 550201-5505, 5507, 5508, 5510-5512, 5514-5521, 5525, 5526, 5528-5535, 5601-5604, 5607-5620, 5623, 5624, 5712, 5716, 5811, 5820, 670101-6702, 8101, 8102, 8104N, 8201, 8202 | | | | | | | | |
| *070503, 150102, 1509, 4026, 550104 | | | | | 5 | | | |
| *0738, 0802, 0803, 2723, 3806, 3807, 4013, 4406, 5142, 5901, 5902, 5904, 5905 | | | | | | | | |
| *130101, 130102, 1303, 1306, 1310-1313, 1317, 1320-1323, 1325, 1326, 1536, 1543, 2729, 3706, 3803, 4019, 4047, 44020101-440205, 440208-4405, 4407, 4408, 4410, 4411, 4414-4419N, 4421-4445, 4448-4461N, 4463-4465, 47010101, 47010102, 4703-4705, 4818, 490101-4902 | | | | | | | | |
| *130201-130205, 1308Q, 1314-1316, 1318, 4096 | | | | | | | | |
| *1304, 4420, 4447, 4904, 4905 | | | | | | | | |
| *1309, 1319, 2714, 40060101-400602, 4053, 4070, 4075, 4083, 4093, 5509, 5522, 5524 | | | | | | | | |
| Well No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

| Length of spec. | 95 | 235 | 95 | 140 | 190 | 135 | 225 | 320 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-----|----|-----|-----|-----|-----|-----|
| PCR product | | | | | | | | |
| Well No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| *1401-1410, 1537, 1538, 1815, 1819, 1830, 4028, 4051, 5606 | 1 | | | | | | | |
| *1504, 9555, 4509, 5414, 5415, 5523, 5527 | | | | | | | | |
| *1513, 15170101-151702, 570101-5711, 5713-5715, 5717-5719 | | | | 4 | | | | |
| *1516, 1567, 1595 | | | | 4 | | | | |
| *1520, 350101-350401, 350403-350902, 3511, 3512, 351401-3515, 3517-352002, 3522-3527, 3529, 3530, 3532-3534, 3536, 3538-3542, 3544, 3545, 3547-3556, 3558, 3559, 3561-356802, 3570-3572, 3574-3578, 3581-3586, 3588-3595, 3597, 3599, 4802, 5309, 580101-5802, 5804-5807, 5809, 5810N, 5812-5819, 5821, 8103 | | | | | | | | |
| *1524, 9557 | | | | 4 | | | | |
| *1587 | | 2 | | 4 | | | | |
| *9537, 390601, 390602, 391902, 3933, 3934, 4502, 5513, 5622 | | | | | | | | |
| *1812, 3705, 3711 | | | 3 | | | | | |
| *350402, 7804 | | | | | 5 | 6 | | |
| *3510, 3513, 3516, 3528, 3569, 3580 | | | 3 | | | | | |
| *3521, 5107, 5122, 560501, 560502, 5621, 5808, 7801-7803 | 1 | | | | | | | |
| *3535, 3546 | | | | | | | | |
| *3537 | | | | | | | | |
| *370101-3704, 3707, 3709, 3710, 3712-3714, 4903 | | | 3 | | | | | |
| *3950, 4086 | | | | | | | | |
| *400106 | | | | | 5 | 6 | | |
| *4044 | | | | | | | | |
| *4095 | | | | | 5 | | | |
| *4462 | | | | | 5 | | | |
| *4466 | | | | | | | | |
| *510101-510109, 5103, 5104, 5106, 5111N, 5112, 5114, 5117, 5118, 5121, 512401, 512402, 5126-5130, 5132, 5133, 5135, 5138, 5139, 5141N, 5143, 5145, 5146, 5148-5152, 5155-5158, 5160-5165, 5306 | 1 | | | | | | | |
| *510201-510203, 5123, 5136, 5159 | | | | | 5 | | | |
| *510204, 5108, 5115, 5120, 5144N, 5153, 530101-5304, 5307, 5308, 5310-5315 | | | | | | | | |
| *5105, 5154 | | | | | 5 | w | | |
| *510901, 510902, 5119 | | | | | | 6 | | |
| Well No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

| Length of spec. | 95 | 235 | 95 | 140 | 190 | 135 | 225 | 320 |
|-----------------|----|-----|----|-----|-----|-----|-----|-----|
| PCR product | | | | | | | | |
| Well No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| *5110 | | | | | | | | |
| *511301, 511302 | 1 | | | | | | | |
| *5116 | 1 | | | | | | | |
| *5131 | | | | | | 6 | | |
| *5134 | | | | | 5 | | | |
| *5137 | 1 | | | | | | | |
| *5140 | | | | | 5 | 6 | | |
| *5305, 5316 | | 2 | | | | | | |
| *5317 | | | 3 | | | | | |
| *5318 | | | | | | | | |
| *5903 | | | | | | | | |
| *7301 | | | | | | | | |
| *7805, 7806 | 1 | | 3 | | | | | |
| *8301 | | | | | | | | |
| HLA-B allele | | | | | | | | |
| Well No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

INTERPRETATION TABLE

HLA-B*52 SSP subtyping

Amplification patterns of the B*5201 to B*5214 alleles

| Well | | | | | | | | |
|---------------------------------------------------------------------------------|------|------|------|-----|------|------|------|---------------------------------------------|
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | |
| 100 | 245 | 85 | 85 | 165 | 165 | 95 | 160 | Length of spec. PCR product |
| 800 | 1070 | 1070 | 1070 | 800 | 1070 | 1070 | 1070 | Length of int. pos. control ¹ |
| 213 | 357 | 272 | 272 | 652 | 652 | 357 | 86 | 5'-primer ² |
| 5'-CCg 3' 5'-Tgg 3' 5'-CTT 3' 5'-CTC 3' 5'-CCg 3' 5'-CCA 3' 5'-Tgg 3' 5'-CAA 3' | | | | | | | | |
| 357 | | | | | | | | |
| 5'-Tgg 3' | | | | | | | | |
| 272 | 559 | 317 | 317 | 774 | 774 | 412 | 206 | 3'-primer ³ |
| 5'-TgA 3' 5'-CTC 3' 5'-ggA 3' 5'-ggA 3' 5'-ggT 3' 5'-ggT 3' 5'-gTC 3' 5'-CCg 3' | | | | | | | | |
| 419 | | | | | | | | |
| 5'-CgA 3' | | | | | | | | |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | Well No. |
| | | | | | | | | HLA-B allele |
| | | | 12 | 13 | | | | *520101-520104 |
| | | | 12 | 13 | | | | *5202 |
| | | | 12 | 13 | | | | *5203 |
| | | | 12 | 13 | | | | *5204 |
| | | | 12 | 13 | | | | *5205 |
| 9 | | 11 | | 13 | | | | *520601 |
| | | 11 | | 13 | | | | *520602 |
| | | | 12 | | 14 | | | *5207 |
| | 10 | | 12 | 13 | | | | *5208 |
| | | | 12 | 13 | | | | *5209 |
| | | | 12 | 13 | | | | *5210 |
| | | | 12 | 13 | | | | *5211 |
| | | | 12 | 13 | | 15 | | *5212 |
| | | | 12 | 13 | | | 16 | *5213 |
| 9 | | | 12 | 13 | | | | *5214 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | Well No. |

| 100 | 245 | 85 | 85 | 165 | 165 | 95 | 160 | Length of spec. PCR product |
|-----|-----|----|----|-----|-----|----|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | Well No. |
| | | | | | 14 | | | *070201-070207, 070209-070502, 0706-0737, 0739-0757, 0759-0772, 0775-0777, 080101-080106, 0804-0838, 0840, 1307N, 15010101, 15010102N, 150103, 150104, 150106-150301, 1505-1508, 1510-1512, 1514, 1515, 1518, 1519, 1521, 1523, 152501-1535, 1539, 1540, 1542, 1544-1558, 1560-1566, 1568-1586, 1588-1594N, 1596-1599, 9501, 9503-9529, 9531-9536, 9538-9554, 9556, 9558-9561, 9563, 9564, 180101-1811, 1813, 1814, 1817N, 1818, 1820-1829, 1831-1833, 1835, 2701-2713, 2715-2721, 2724-2728, 2730-2746, 2750-2752, 3531, 3543, 3557, 3560, 3579, 3587, 3708, 380101-380202, 3804, 3805, 3808-3819, 39010101, 39010102L, 390103-3905, 3907-391901, 3920, 3922-3932, 3935-3945, 3947-3949, 400101-400105, 400201-4005, 4007-4012, 401401-4016, 4018, 4020-4025, 4027, 4029-4040, 4042, 4043, 4045, 4046, 4048-4050, 4052, 4054-4069, 4071-4074, 4076-4082, 4084, 4085, 4087-4092, 4094, 4097, 4098, 4101-4108, 4201, 4202, 4204-4212, 4409, 4412, 4413, 4446, 4467, 4469, 4501, 4503-4508, 460101-4619, 4621, 4702, 480101, 480102, 480301-4817, 4819, 5001, 5002, 5004, 5401-5413, 5416-5419, 550101-550103, 550201-5505, 5507, 5508, 5510-5512, 5514-5521, 5525, 5526, 5528-5535, 5601-5604, 5607-5620, 5623, 5624, 5712, 5716, 5811, 5820, 670101-6702, 8101, 8102, 8104N, 8201, 8202 |
| | | | | | 14 | | | *070503, 150102, 1509, 4026, 550104 |
| | | 11 | | | 14 | | | *0738, 0802, 0803, 2723, 3806, 3807, 4013, 4406, 5142, 5901, 5902, 5904, 5905 |
| | | | 12 | | 14 | | | *130101, 130102, 1303, 1306, 1310-1313, 1317, 1320-1323, 1325, 1326, 1536, 1543, 2729, 3706, 3803, 4019, 4047, 44020101-440205, 440208-4405, 4407, 4408, 4410, 4411, 4414-4419N, 4421-4445, 4448-4461N, 4463-4465, 47010101, 47010102, 4703-4705, 4818, 490101-4902 |
| | 10 | | 12 | | 14 | | | *130201-130205, 1308Q, 1314-1316, 1318, 4096 |
| | | | 12 | | 14 | 15 | | *1304, 4420, 4447, 4904, 4905 |
| | 10 | | | | 14 | | | *1309, 1319, 2714, 40060101-400602, 4053, 4070, 4075, 4083, 4093, 5509, 5522, 5524 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | Well No. |

| 100 | 245 | 85 | 85 | 165 | 165 | 95 | 160 | Length of spec. PCR product |
|-----|-----|----|----|-----|-----|----|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | Well No. |
| | | | | | 14 | | | *1401-1410, 1537, 1538, 1815, 1819, 1830, 4028, 4051, 5606 |
| | | | | | 14 | 15 | | *1504, 9555, 4509, 5414, 5415, 5523, 5527 |
| | | | | | 14 | | | *1513, 15170101-151702, 570101-5711, 5713-5715, 5717-5719 |
| | | | | | 14 | 15 | | *1516, 1567, 1595 |
| | | | | 13 | | | | *1520, 350101-350401, 350403-350902, 3511, 3512, 351401-3515, 3517-352002, 3522-3527, 3529, 3530, 3532-3534, 3536, 3538-3542, 3544, 3545, 3547-3556, 3558, 3559, 3561-356802, 3570-3572, 3574-3578, 3581-3586, 3588-3595, 3597, 3599, 4802, 5309, 580101-5802, 5804-5807, 5809, 5810N, 5812-5819, 5821, 8103 |
| | | | 12 | | 14 | | | *1524, 9557 |
| | | | 12 | | 14 | | | *1587 |
| 9 | | | | | 14 | | | *9537, 390601, 390602, 391902, 3933, 3934, 4502, 5513, 5622 |
| | | | | | 14 | | | *1812, 3705, 3711 |
| | | | | 13 | | | | *350402, 7804 |
| | | | | 13 | | | | *3510, 3513, 3516, 3528, 3569, 3580 |
| | | | | 13 | | | | *3521, 5107, 5122, 560501, 560502, 5621, 5808, 7801-7803 |
| | | | | 13 | 14 | | | *3535, 3546 |
| | | | | 13 | | 15 | | *3537 |
| | | | 12 | | 14 | | | *370101-3704, 3707, 3709, 3710, 3712-3714, 4903 |
| 9 | 10 | | | | 14 | | | *3950, 4086 |
| | | | | | 14 | | | *400106 |
| | 10 | | | | 14 | 15 | | *4044 |
| | 10 | | | | 14 | | | *4095 |
| | | | 12 | | 14 | | | *4462 |
| | | | 12 | | | | | *4466 |
| | | 11 | | 13 | | | | *510101-510109, 5103, 5104, 5106, 5111N, 5112, 5114, 5117, 5118, 5121, 512401, 512402, 5126-5130, 5132, 5133, 5135, 5138, 5139, 5141N, 5143, 5145, 5146, 5148-5152, 5155-5158, 5160-5165, 5306 |
| | | 11 | | 13 | | | | *510201-510203, 5123, 5136, 5159 |
| | | 11 | | 13 | | | | *510204, 5108, 5115, 5120, 5144N, 5153, 530101-5304, 5307, 5308, 5310-5315 |
| | | 11 | | 13 | | | | *5105, 5154 |
| | | 11 | | 13 | | | | *510901, 510902, 5119 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | Well No. |

| 100 | 245 | 85 | 85 | 165 | 165 | 95 | 160 | Length of spec. PCR product |
|-----|-----|----|----|-----|-----|----|-----|--------------------------------|
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | Well No. |
| | 10 | 11 | | 13 | | | | *5110 |
| 9 | | 11 | | 13 | | | | *511301, 511302 |
| | 10 | 11 | | 13 | | | | *5116 |
| | 10 | 11 | | 13 | | | | *5131 |
| | 10 | 11 | | 13 | | | | *5134 |
| | | 11 | | 13 | | 15 | | *5137 |
| | | 11 | | 13 | | | | *5140 |
| | | 11 | | 13 | | | | *5305, 5316 |
| | | | 12 | 13 | | | | *5317 |
| | | 11 | | | | | | *5318 |
| 9 | | 11 | | | 14 | | | *5903 |
| 9 | 10 | | | | | | | *7301 |
| | | | | 13 | | | | *7805, 7806 |
| | | | | ? | ? | | | *8301 |
| | | | | | | | | HLA-B allele |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | Well No. |