|  |  |  |
| --- | --- | --- |
| **Test\_ 1 - A/B1 A/B3**  **(ID 6)**  3DL3: 0030101, 0140201  2DS2: 0010104  2DL2: 0030105  2DL3: 0020101  2DL5B: 01301  2DS3: 0020102 (2x)  2DP1: 0030101, 0010203  2DL1: 0030203, 007  3DP1: 004 (2x)  2DL4: 0080104, 010  3DL1: 0150101  3DS1: 014  2DL5A: 00102  2DS5:  2DS1: 0020104  2DS4: 0010103  3DL2: 00501 (2x) | **Test\_ 2 - A/B1- A/B5**  **(ID 18)**  3DL3: 0090102, 019  2DS2:  2DL2: 0010101  2DL3: 0010111  2DL5B: 0020101  2DS3:  2DP1: 0020107, 0030102  2DL1: 0020102, 0030210  3DP1: 004, 01001  2DL4: 0080104 (2x)  3DL1: 0070101  3DS1: 078  2DL5A: 0050101  2DS5: 010  2DS1: 0020102  2DS4:0010103  3DL2: 0020101, 00501 | **Test\_ 3 - A/A A/A-**  **(ID 195)**  3DL3: 005, 0140201  2DS2:  2DL2:  2DL3: 0010101, 0020103  2DL5B:  2DS3:  2DP1: 0020108 (2x)  2DL1: 0040101, 008  3DP1: 0030102, 00902  2DL4: 0010306, 00501  3DL1: 002, 0040101  3DS1:  2DL5A:  2DS5:  2DS1:  2DS4:  3DL2: 0010301, 008 |
| **Test\_ 4 - A/B2 A/B5**  **(ID 63)**  3DL3: 0030104, 007  2DS2: 0010105  2DL2: 0030101  2DL3: 0010102  2DL5B:  2DS3:  2DP1: 008  2DL1: 007  3DP1: 007, 00902  2DL4: 0010307, 0080104  3DL1: 0150202  3DS1: 055  2DL5A:  2DS5: 007  2DS1: 0020101  2DS4: 0060101  3DL2: 0020101, 00903 | **Test\_ 5 – A/A A/B3-**  **(ID 331)**  3DL3: 0140202, 036  2DS2:  2DL2:  2DL3: 0010109, 006  2DL5B:  2DS3: 0010301  2DP1: 0030102, 009  2DL1: 0030208, 00303  3DP1: 001, 002  2DL4: 0010202 (2x)  3DL1: 0200101  3DS1: 0130102  2DL5A: 0010102  2DS5:  2DS1: 0020105  2DS4:  3DL2: 00202, 018 | **Test\_ 6 – A/B1 A/A**  **(ID 5)**  3DL3: 0090102, 0140203  2DS2: 0010111  2DL2: 0010105  2DL3: 0010102  2DL5B: 0080101  2DS3: 0010302  2DP1: 0020103, 010  2DL1: 0030203, 0040102  3DP1: 0030202, 0030402  2DL4: 0010303, 00901  3DL1: 0050102, 0250102  3DS1:  2DL5A:  2DS5:  2DS1:  2DS4: 0010104, 010  3DL2: 0010302, 01001 |
| **Test\_ 7 – A/A A/A**  **(ID 1)**  3DL3: 00802,0090103  2DS2:  2DL2:  2DL3: 0010103,0010108  2DL5B:  2DS3:  2DP1: 0020106, 004  2DL1: 0030204, 0030205  3DP1: 0030202 (2x)  2DL4: 0010201, 0010305  3DL1: 008, 0150203  3DS1:  2DL5A:  2DS5:  2DS1:  2DS4: 0010107, 0030104  3DL2: 0020105, 00901 | **Test\_ 8 – B1/B2 B3/B3**  **(ID 190)**  3DL3: 0030103, 00601  2DS2: 0010103, 0010112  2DL2: 0010102, 0030101  2DL3:  2DL5B: 0070101  2DS3: 0020101 (2x), 0010302  2DP1: 0030102  2DL1: 00402  3DP1: 0030101, 005  2DL4: 00104, 0080104  3DL1:  3DS1: 0130104, 055  2DL5A: 0050102 (2x)  2DS5:  2DS1: 0020102, 0020105  2DS4:  3DL2: 0010102, 0070102 | **Test\_ 9 – B1/B2 A/B3**  **(ID 90)**  3DL3: 0030103,00601  2DS2: 0010103, 0010112  2DL2: 0010102, 0030101  2DL3:  2DL5B: 0070101  2DS3: 0020101 (2x)  2DP1: 0030102  2DL1: 00402  3DP1: 0030101, 005  2DL4: 00104, 0080104  3DL1: 0150208  3DS1: 0130104  2DL5A: 01201  2DS5:  2DS1: 0020102  2DS4: 0040101  3DL2: 0010102, 0070102 |
| **Test\_ 10 – A/B1 A-/B3-**  **(ID 184)**  3DL3: 0030101, 0140201  2DS2: 0010104  2DL2: 0030105  2DL3: 0020101  2DL5B: 01301  2DS3: 0020102 (2x)  2DP1: 0010203, 0030101  2DL1: 0030203, 007  3DP1: 004 (2x)  2DL4: 0080104, 010  3DL1: 0150101  3DS1: 014  2DL5A:  2DS5:  2DS1: 0020104  2DS4:  3DL2: 00501 (2x) | **Test\_ 11 – B2/B2 B5/B5**  **(ID 243)**  3DL3: 0030103, 00601  2DS2: 0010103, 0010112  2DL2: 0010102, 0030101  2DL3:  2DL5B:  2DS3:  2DP1: 0030102, 008  2DL1: 00402 (2x)  3DP1: 0030101, 005  2DL4: 00104, 0080104  3DL1:  3DS1: 0130104, 055  2DL5A: 0050102 (2x)  2DS5: 0020102, 0020103  2DS1: 0020102, 0020105  2DS4:  3DL2: 0010102, 0070102 |  |
| **Test\_ AMALA – A/B2 A/B5**  **(ID 3)**  3DL3: 0040201, 00802  2DS2: 0010101  2DL2: 0030102  2DL3: 0010109  2DL5B:  2DS3:  2DP1: 0020108  2DL1: 0030201  3DP1: 007, 0090101  2DL4: 0010201, 00501  3DL1: 0150201  3DS1: 0130101  2DL5A: 00102  2DS5: 0020101  2DS1: 0020106  2DS4: 0010101  3DL2: 0020105, 0070102 | **Test\_ BOB – A/B2 A/B5**  **(ID 3)**  3DL3: 00101, 019  2DS2: 0010104  2DL2: 0030101  2DL3: 0020102  2DL5B:  2DS3:  2DP1: 0030101  2DL1: 0030210  3DP1: 002, 0030203  2DL4: 0010202, 00501  3DL1: 002  3DS1: 0130105  2DL5A: 0010101  2DS5: 0020104  2DS1: 0020101  2DS4: 0010105  3DL2: 0020101, 0070102 | **Test\_ COX – A/A A/B5-**  **(ID 202)**  3DL3: 00102, 0090101  2DS2:  2DL2:  2DL3: 0020101, 006  2DL5B:  2DS3:  2DP1: 0030102 (2x)  2DL1: 0020102 (2x)  3DP1: 005, 006  2DL4: 00501, 00901  3DL1: 0050103  3DS1: 055  2DL5A: x  2DS5: 0020102  2DS1: 0020105  2DS4: 010  3DL2: 0010301, 0070103 |
| **Test\_ HO301 – B1/B1 A/A**  **(ID 71)**  3DL3: 0140201 (2x)  2DS2: 0010104, 0010106  2DL2: 0010103, 0030107  2DL3:  2DL5B: 010 (2x)  2DS3: 0010301, 0020103  2DP1: 0010202 (2x)  2DL1: 00402, 010  3DP1: 0030101, 004  2DL4: 0010201 (2x)  3DL1: 002 (2x)  3DS1:  2DL5A:  2DS5:  2DS1:  2DS4: 0010109 (2x)  3DL2: 0020102, 0020106 | **Test\_ JVM – A/B2 A/A**  **(ID 4)**  3DL3: 00801, 0140201  2DS2: 0010110  2DL2: 0030102  2DL3: 010  2DL5B:  2DS3:  2DP1: 004  2DL1: 0030203  3DP1: 001, 0030202  2DL4: 0010304, 0080101  3DL1: 0010104, 008  3DS1:  2DL5A:  2DS5:  2DS1:  2DS4: 0030103 (2x)  3DL2: 0010101, 018 | **Test\_ KAS011 – A/A A/B5**  **(ID 2)**  3DL3: 0090101, 0140203  2DS2:  2DL2:  2DL3: 0020103 (2x)  2DL5B:  2DS3:  2DP1: 0020104, 0030101  2DL1: 0020101, 0030209  3DP1: 0030206, 009  2DL4: 0010301, 00501  3DL1: 008  3DS1: 013011  2DL5A: 0010102  2DS5: 0020101  2DS1: 0020101  2DS4: 0030101  3DL2:01001, 018 |
| **Test\_ OLGA – A/A A+/B5**  **(ID 2)**  3DL3: 00201, 00202  2DS2:  2DL2:  2DL3: 0010105 (2x)  2DL5B:  2DS3:  2DP1: 0020105, 006  2DL1: 0030204 (2x)  3DP1: 0030201 (2x)  2DL4: 00501, 00901  3DL1: 0010102, 0050101  3DS1: 0130107  2DL5A: 00103  2DS5: 0020103  2DS1: 0020101  2DS4: 010  3DL2: 0070101, 0070102 | **Test\_ RSH – A/B1- A+/B5-**  **(ID 21)**  3DL3: 00202, 0040202  2DS2: 0010108  2DL2: 0030104  2DL3: 0010107  2DL5B: 004  2DS3: x  2DP1: 0020110, 009  2DL1: 0030205, 01201  3DP1: 0030401, 008  2DL4: 0010307, 00901  3DL1: 0050101, 01701  3DS1: x  2DL5A: x  2DS5: 006  2DS1: x  2DS4: 0060102  3DL2: 023, 056 | **Test\_ WT51 – A/B1 B3/B5 (ID70)**  3DL3: 0090101, 036  2DS2: 0010103  2DL2: 0010107  2DL3: 006  2DL5B: 0020103  2DS3: 0020103, 0010302  2DP1: 0010202, 004  2DL1: 01201 (2x)  3DP1: 00303, 007  2DL4: 00501 (2x)  3DL1:  3DS1: 0130102 (2x)  2DL5A: 0010103, 0050104  2DS5: 0020101  2DS1: 0020103 (2x)  2DS4:  3DL2: 00202, 00903 |

Haplotypy:

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| Cen-A |  | 3DL3 | x | 2DL3 | x | x | 2DP1 | 2DL1 | 3DP1 |
| Cen-B1 |  | 3DL3 | 2DS2 | 2DL2 | 2DL5B | 2DS3 | 2DP1 | 2DL1 | 3DP1 |
| Cen-B2 |  | 3DL3 | 2DS2 | 2DL2 | x | x | x | x | 3DP1 |
|  |  |  |  |  |  |  |  |  |  |
| Tel-A |  | 2DL4 | 3DL1 | x | x | 2DS4 | 3DL2 |  |  |
| Tel-B3 |  | 2DL4 | 3DS1 | 2DL5A | 2DS3 | 2DS1 | 3DL2 |  |  |
| Tel-B5 |  | 2DL4 | 3DS1 | 2DL5A | 2DS5 | 2DS1 | 3DL2 |  |  |