Supplementary Figure

(A) gDNA

*B*15:03:01:02 GTACCAGG GCGAGTGAGG AGCGCCGCC ATCTCTTATA GTGCCTCAGGG ATACGGCTCC CGACGGAGGA GSAGAAGAAAT GGAGTCGCG CTGAGAPGTC

*B*15:03:01:03 ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------

gDNA

1000 1010 1020 1030 1040 1050 1060 1070 1080 1090 1100 1110 1120 1130 1140 1150 1160 1170 1180 1190

B*15:03:01:02 GTACCAGG GCGAGTGAGG AGCGCCGCC ATCTCTTATA GTGCCTCAGGG ATACGGCTCC CGACGGAGGA GSAGAAGAAAT GGAGTCGCG CTGAGAPGTC

*B*15:03:01:03 ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------

B*15:03:01:02 ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------

gDNA

1200 1210 1220 1230 1240 1250 1260 1270 1280 1290

B*15:03:01:02 GIAGGGGAAG ACCATCTCTA GIATGAGTA TGTCTGAGT TGTCCTCTGAG GGCCCCCTCT TTGTTCTAGG ACAYTTAAAG GATAATGGCT CTGAGAAPAT

*B*15:03:01:03 ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------

B*15:03:01:02 ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------

gDNA

1300 1310 1320 1330 1340 1350 1360 1370 1380 1390

B*15:03:01:02 CTCAACTCTA GTGUTTYTGAG GTCTGTAATT CGACACTCTC TGACTCTACT TACCTCTACT CAGATAGAGA GCACAGGCTC CTGTTCCCCG CTGAGACTC

*B*15:03:01:03 ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------

B*15:03:01:02 ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------

B*15:03:01:02 ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------

gDNA

1400 1410 1420 1430 1440 1450 1460 1470 1480 1490

B*15:03:01:02 GIAGGTTCTCC AAATGAATAGG AGATAATCCG AGTTCTCCG GTCACAGCTG GTCTCTGTTG TTCTGGAACC TTCTAGACC CAGGATCTCTC GTCATCTTC

*B*15:03:01:03 ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------

B*15:03:01:02 ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------

B*15:03:01:02 ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------

gDNA

1500 1510 1520 1530 1540 1550 1560 1570

B*15:03:01:02 ACCCTGGTCT CTCGGTGTG CTCAGGTCT CCACTAGAG ATGCTGAGGG CTGAAATTTT CTGACTCTCC CTCATCG

*B*15:03:01:03 ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------

B*15:03:01:02 ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------

(B) gDNA

*CGAGGAGGA GSAGAAGAAAT GGAGTCGCG CTGAGAPGTC

*B*15:16:01:01 GTAGCTGGCGAGGCAATGCC CTCGCTCAGGG AGGACCTGCA GGCTCTGGGA GGGGGGGCGCA GGAGCTGGGG CAGGTGAGGA GSAGAAGAAAT GGAGTCGCG CTGAGAPGTC

*B*15:16:01:03 ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------

*B*15:16:01:03 ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------ ------------

gDNA

180 190 200

*B*15:01:01:03 CGCGCGCCT TCAGCCCTCC CGCGCGCCCA G

B*15:16:01:03 ------------ ------------ ------------ ------------

*B*15:16:01:03 ------------ ------------ ------------ ------------