Fig. S20: **Validation of DAJIN-reported inversion alleles.**

**a** PCR design to validate inversion alleles. The arrows represent PCR primers for the digested DNA fragments, including the size of PCR products. **b** PCR results for the detection of inversion alleles. The number on the panel means barcode IDs. The boxed number represents the samples with inversion alleles. **c** Comparison between DAJIN's consensus sequence and Sanger sequencing. The sequence represents the consensus sequence of inversion alleles of BC02. The green highlighted nucleotides represent substitution. The dotted lines represent corresponding nucleotides between Sanger and DAJIN's consensus sequences.