



**Supplementary figure 6. Electropherogram of KYS-164 virulence factor amplification results.** The upper row represents *fnb* A, *clf* A, *cna*, *sdr* C, *bbp*, *chp*, *sea*, *eno*, *pvl*, *luk* E, *hla*, and *agr* subgroup I of the first and 80th generations from left to right, respectively. The lower row from left to right represents *mec* A, *ebp* S, *map*, *ica* A, *spl* B, *ssp*, *eta*, *coa*, *nuc*, *scn*, *sak*, and TSST-1 of the first generation and the 80th generation, respectively.