



**Supplement Figure 7: The evolutionary process of *mcr-1* context genes.** The general evolutionary process is: "*DUF2806-mcr-1-pap2-DUF2726*" → "*ISAp11-mcr-1-pap2-ISAp11*" → "*ISAp11-mcr-1-pap2-TerF*" → "*ISAp11-mcr-1-pap2-VWA*". Especially, in *Escherichia*, the evolution process is "*DUF2806-mcr-1-pap2-DUF2726*" → "*ISAp11-mcr-1-pap2-ISAp11*" → "*ISAp11-mcr-1-pap2-TerF*". In *Salmonella*, the evolutionary process is "*DUF2806-mcr-1-pap2-DUF2726*" → "*ISAp11-mcr-1-pap2-ISAp11*" → "*ISAp11-mcr-1-pap2-VWA*". However, for *Klebsiella*, only the evolutionary process of "*DUF2806-mcr-1-pap2-DUF2726*" → "*ISAp11-mcr-1-pap2-ISAp11*" is observed.