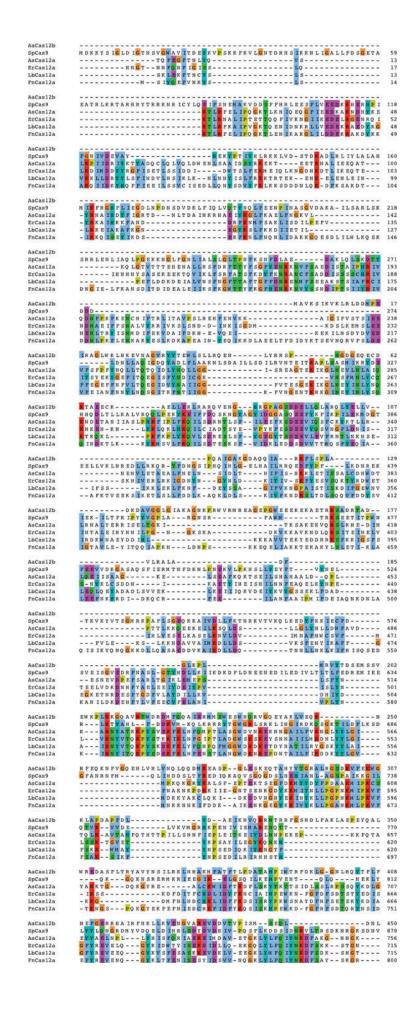
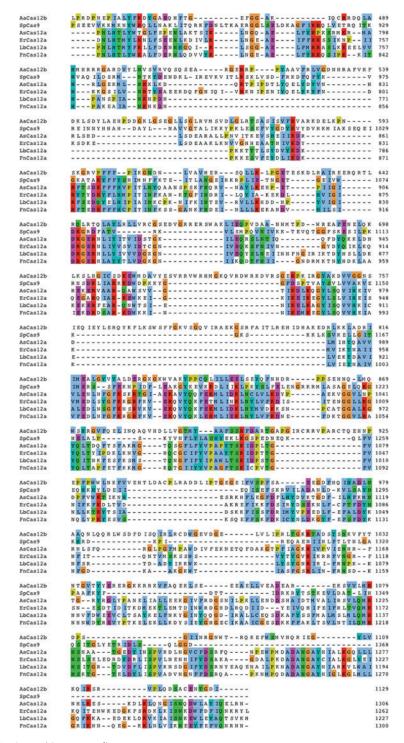
Supplementary Data

SUPPLEMENTARY FIG. S1. Amino acid alignment of Cas12a family members with SpCas9. Multiple sequence alignment of ErCa12a with homologous Cas proteins, including CRISPR-associated endonuclease Cas12b from *Alicyclobacillus acidoterrestris*, CRISPR-associated Endonuclease Cas9 from *Streptococcus pyogens*, CRISPR-associated Endonuclease Cpf1 from *Acidaminococcus* sp. BV3L6, type V CRISPR-associated protein Cpf1 from *Lachnospiraceae* bacterium ND2006, and type V CRISPR-associated protein Cpf1 from *Francisella tularensis*. Six representative sequences were used for alignments with Clustal Omega webserver.





SUPPLEMENTARY FIG. S1. (Continued).