ABSTRACT

NOVEL CRISPR ENZYMES AND SYSTEMS

The invention provides for systems, methods, and compositions for targeting nucleic acids. In particular, the invention provides non-naturally occurring or engineered DNA-targeting systems comprising a novel DNA-targeting CRISPR effector protein and at least one targeting nucleic acid component like a guide RNA. Aspects of the invention in particular relate to Cpf1 mutants having altered PAM specificity.

Figure 20D