Domain swaping to generate novel Cas editors

Cas nuclease activity and specificity could be modified by changing nuclease domains responsible for its activity and PAM sequence recognition:

Caszyme applied mutagenesis strategies to research if identified amino acids are actually responsible for PAM recognition and what effect deletion of these amino acids might have, revealing that by swaping domains or mutating amino acid recidues we could change both PAM recognition and activity of Cas9.

CA ZYME