

Design protospacer sequences

GuideSet

Find edited alleles

Gene model

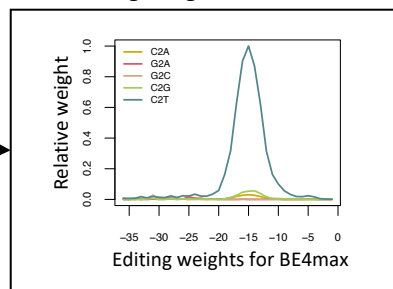
Score gRNAs for editing

Characterize off-targets

bowtie index

Add on-target scores and sequence features

a Editing weights for BE4max



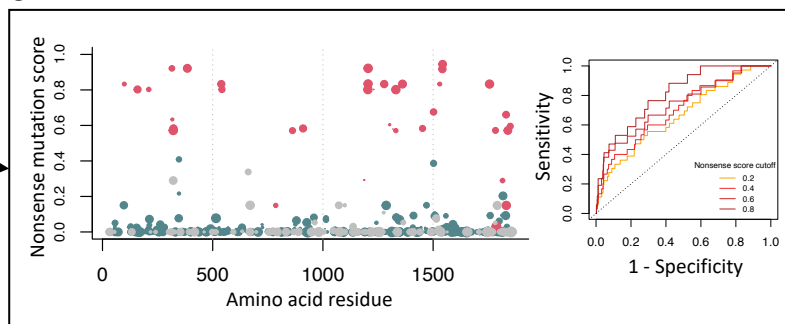
b

Top predicted alleles for selected gRNA

	-20	-15	-10	-5				
	ACCACCCTATCATCTAATGAT							
	CTGTGCATGTACCACCTATCATCTAATGAT	G	G	G	Score	Variant	Product	
Allele 1	CTGTGCATGTACCACCTATCATCTAATGAT	G	G	G	0.369	missense	YWKDD	
Allele 2	CTGTGCATGTACCACCTATCATCTAATGAT	G	G	G	0.154	nonsense	Y*KDD	
Allele 3	CTGTGCATGTACCACCTATCATCTAATGAT	G	G	G	0.064	missense	YWKND	
Allele 4	CTGTGCATGTACCACCTATCATCTAATGAT	G	G	G	0.064	nonsense	Y*KDD	
Allele 5	CTGTGCATGTACCACCTATCATCTAATGAT	G	G	G	0.043	missense	YWKDD	
Allele 6	CTGTGCATGTACCACCTATCATCTAATGAT	G	G	G	0.028	nonsense	Y*KDD	
Allele 7	CTGTGCATGTACCACCTATCATCTAATGAT	G	G	G	0.027	nonsense	Y*KDD	
Allele 8	CTGTGCATGTACCACCTATCATCTAATGAT	G	G	G	0.019	missense	YWTDD	
Allele 9	CTGTGCATGTACCACCTATCATCTAATGAT	G	G	G	0.019	missense	YWNDD	
Allele 10	CTGTGCATGTACCACCTATCATCTAATGAT	G	G	G	0.018	nonsense	Y*KDD	

c

gRNA-level mutation scores



d

On-target activity scores

