

Design protospacer sequences

GuideSet

Find edited alleles

Gene model

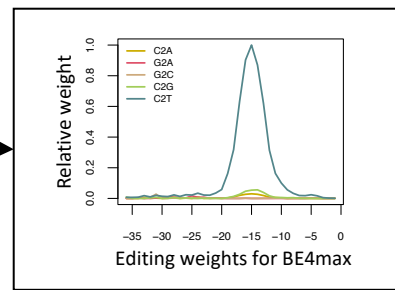
Score gRNAs for editing

Characterize off-targets

bowtie index

Add on-target scores and sequence features

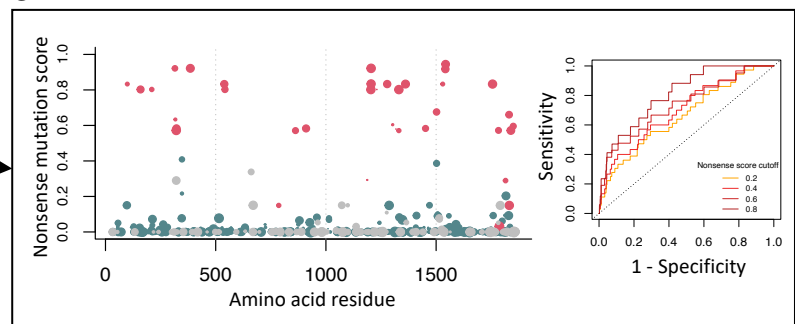
a Editing weights for BE4max



b Top predicted alleles for selected gRNA

	-20	-15	-10	-5			
	ACCACCTATCATCTAATGAT						
	CTGTGCATGTACCACCTATCATCTAATGAT	G	G	G	Score	Variant	Product
Allele 1	CTGTGCATGTACCACCTATCATCTAATGAT	G	G	G	0.369	missense	YWKDD
Allele 2	CTGTGCATGTACCTATTTATCATCTAATGAT	T	T	T	0.154	nonsense	Y*KDD
Allele 3	CTGTGCATGTACCACCTATTTATCTAATGAT	T	T	T	0.064	missense	YWKND
Allele 4	CTGTGCATGTATCATTTATCATCTAATGAT	T	T	T	0.064	nonsense	Y*KDD
Allele 5	CTGTGCATGTACCACCTATCATCTAATGAT	G	G	G	0.043	missense	YWKDD
Allele 6	CTGTGCATGTACCTATTTATTTATCTAATGAT	T	T	T	0.028	nonsense	Y*KDD
Allele 7	CTGTGCATGTATTTATTTATCATCTAATGAT	T	T	T	0.027	nonsense	Y*KDD
Allele 8	CTGTGCATGTACCACCTATCATCTAATGAT	G	G	G	0.019	missense	YWTDD
Allele 9	CTGTGCATGTACCACTATCATCTAATGAT	T	T	T	0.019	missense	YWNDD
Allele 10	CTGTGCATGTACTATTTATCATCTAATGAT	T	T	T	0.018	nonsense	Y*KDD

c gRNA-level mutation scores



d On-target activity scores

