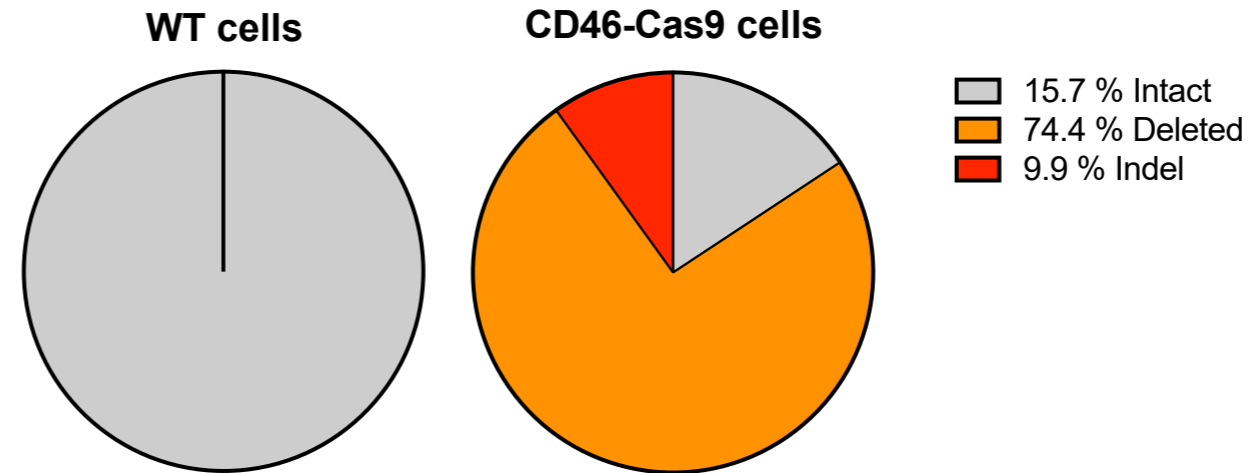


A

## MiSeq sequencing and data analysis of CD46-Cas9 cells and controls

Outknocker web tool

CD46 Cas9 cells:  
Knockout efficiency: 84.2 %WT cells:  
Knockout efficiency: 0.1 %

REFERENCE	CTATGGAGCTCATTGGTAAACCAAAC	PAM CCTACTATGAGATTGGTGAACGA	GTAGATTATAAGTGTA AAAAAGGATACTTC	
Intact				<b>15.71%</b>
no indel	CTATGGAGCTCATTGGTAAACCAAACCTACTATGAGATTGGTGAACGAGTAGATTATAAGTGTA AAAAAGGATACTTC			919 reads
<b>Deleted</b>				<b>74.35%</b>
90nt deletion	CTATGGAGCTCATTGGTAAACCAAACCTACTAT			274 reads
91nt deletion	CTATGGAGCTCATTGGTAAACCAAACCTACT			2995 reads
92nt deletion	CTATGGAGCTCATTGGTAAACCAAACCTACTA			1081 reads
<b>Indel</b>				<b>9.94%</b>
1nt deletion	CTATGGAGCTCATTGGTAAACCAAACCTACT_TGAGATTGGTGAACGAGTAGATTATAAGTGTA AAAAAGGATACTTC			316 reads
2nt deletion	CTATGGAGCTCATTGGTAAACCAAACCTACT__GAGATTGGTGAACGAGTAGATTATAAGTGTA AAAAAGGATACTTC			265 reads

B

