

Supplementary Table 2. Indels characterization of the reads obtained from amplicon Deep sequencing of the pools after gene edition.

Indels in 402 G	%			Expected protein
	KGN Cas9	KGN Cas sg1.3	KGN Cas sg1.4	
c. 399delC	0	65,81	1,76	p. Trp134Glyfs15*
c. 392_402del	0	10,60	0	p. Asp131Glyfs103*
c. 398_399insT	0	7,64	0	p. Trp134Leufs104*
c. 398_399insC	0	3,56	0	p. Trp134Leufs104*
c. 399_400delCT	0	2,57	0	p. Trp134Glyfs103*
c. 398_399insA	0	2,49	0	p. Trp134Leufs104*
c. 397_398del GC	0	2,06	0	p. Ala133Leufs104*
c. 398_399insG	0	1,84	0	p. Trp134Leufs104*
c. 395_399del	0	1,33	0	p. Pro132Leufs104*
c. 400delT	0	1,07	0	p. Trp134Glyfs15*
c. 399_401delCTG	0	1,03	0	p. Trp134Glyfs142*
c. 403_404insA	0	0	46,21	p. Asp136Lysfs242*
c. 404delA	0	0	26,04	p. Asp136Thrfs13*
c. 404_405delAA	0	0	9,79	p. Glu135Glyfs102*
c. 404_406delAAG	0	0	6,20	p. Glu135Aspfs241*
c. 403_404insAA	0	0	5,91	p. Asp136Lysfs242*
c. 403_404insC	0	0	2,26	p. Glu135Alafs103*
c. 404_407del	0	0	1,83	p. Glu135Alafs13*