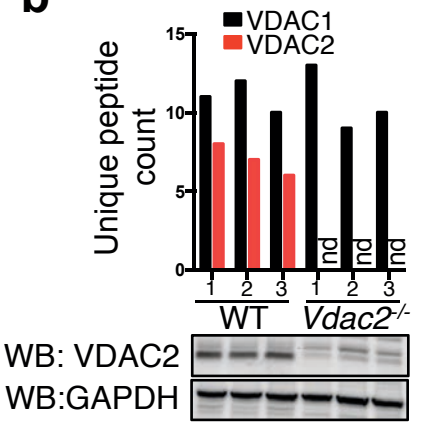
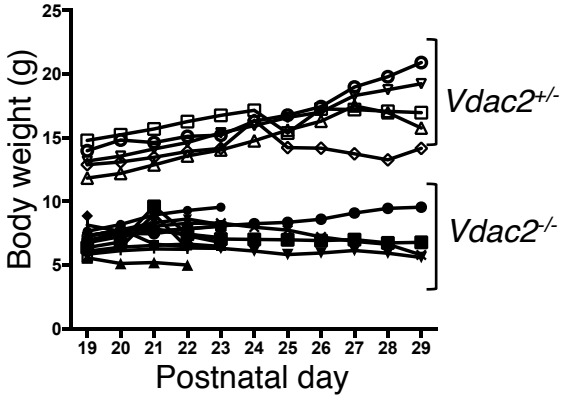
a

		Indels (b.p)	Mutation
wild-type allele	GACTAGCG**ATG**TGTATCCCTCCACCCTAT-GCTGACCTCGGCAAAGCTGCCAGAGACATTTTC (PAM: ATG; sgRNA: GACTAGCGATGTGTATCCCTCCACCCTAT)		
#1_9901	GACTAGCGATGTGTATCCCTCCACCCTAT---TGACCTCGGCAAAGCTGCCAGAGACATTTTC	-2	out-of-frame
#3_7972	GACTAGCGATGTGTATCCCTCCACCCTAT--CTGACCTCGGCAAAGCTGCCAGAGACATTTTC	-1	out-of-frame
#3_1486	GACTAGCGATGTGTATCCCTCCACC----------TCGGCAAAGCTGCCAGAGACATTTTC	-11	out-of-frame
#3_1180	GACTAGCGATGTGTATCCCTCCACCCTAT----GACCTCGGCAAAGCTGCCAGAGACATTTTC	-3	in-frame
#5_11660	GACTAGCGATGTGTATCCCTCCACCCT----------CGGCAAAGCTGCCAGAGACATTTTC	-10	out-of-frame
#6_11302	GACTAGCGATGTGTATCCCTCCACCCTAT-----ACCTCGGCAAAGCTGCCAGAGACATTTTC	-4	out-of-frame
#9_3455	GACTAGCGATGTGTATCCCTCCACCCTATGGCTGACCTCGGCAAAGCTGCCAGAGACATTTTC	+1	out-of-frame
#9_2880	GACTAGCGATGTGTATCCCTCCACCCTAT---TGACCTCGGCAAAGCTGCCAGAGACATTTTC	-2	out-of-frame
#9_1986	GACTAGCGATGTGTATCCCTCCACCCT------GACCTCGGCAAAGCTGCCAGAGACATTTTC	-5	out-of-frame
#10_5499	GACTAGCGATGTGTATCCCTCCACCCTATCGCTGACCTCGGCAAAGCTGCCAGAGACATTTTC	+1	out-of-frame
#11_2767	GACTAGCGATGTGTATCCCTCCACCCTAT----GACCTCGGCAAAGCTGCCAGAGACATTTTC	-3	in-frame
#12_7757	GACTAGCGATGTGTATCCCTC----------CTGACCTCGGCAAAGCTGCCAGAGACATTTTC	-9	in-frame
#12_1646	GACTAGCGATGTGTATCCCTCCACCCT------GACCTCGGCAAAGCTGCCAGAGACATTTTC	-5	out-of-frame
#13_2599	GACTAGCGATGTGTATCCCTCCACCCTA------CCTCGGCAAAGCTGCCAGAGACATTTTC	-6	in-frame
#13_2306	GACTAGCGATGTGTATCCCTCCACCCTATGGCTGACCTCGGCAAAGCTGCCAGAGACATTTTC	+1	out-of-frame
#15_7846	GACTAGCGATGTGTATCCCTCCACC----------TCGGCAAAGCTGCCAGAGACATTTTC	-11	out-of-frame
#16_4002	GACTAGCGATGTGTATCCCTCCACC----------AAAGCTGCCAGAGACATTTTC	-16	out-of-frame
#16_3068	GACTAGCGATGTGTATCCCTCCACCCT------GACCTCGGCAAAGCTGCCAGAGACATTTTC	-5	out-of-frame
#17_6031	GACTAGCGATGTGTATCCCTCCACCCT----------CGGCAAAGCTGCCAGAGACATTTTC	-10	out-of-frame
#17_5809	GACTAGCGATGTGTATCCCTC----------CATCCCTCGGCAAAGCTGCCAGAGACATTTTC	+9	in-frame
#18_5218	GACTAGCGATGTGTATCCCTCCACCCTAT--GTGACCTCGGCAAAGCTGCCAGAGACATTTTC	-1	out-of-frame
#18_4295	GACTAGCGATGTGTATCCCTCCACC----------TCGGCAAAGCTGCCAGAGACATTTTC	-11	out-of-frame
#20_6761	GACTAGCGATGTGTATCCCTCCACC----------CTGGCAAAGCTGCCAGAGACATTTTC	-11	out-of-frame
#20_2975	GACTAGCGATGTGTATCCCTCCACCCTATCGCTGACCTCGGCAAAGCTGCCAGAGACATTTTC	+1	out-of-frame
#22_4057	GACTAGCGATGTGTATCCCTCCACCCTAT--CTGACCTCGGCAAAGCTGCCAGAGACATTTTC	-1	out-of-frame
#22_3787	GACTAGCGATGTGTATCCCTCCACCCTATGGCTGACCTCGGCAAAGCTGCCAGAGACATTTTC	+1	out-of-frame
#23_4486	GACTAGCGATGTGTATCCCTCCACCCTATGGCTGACCTCGGCAAAGCTGCCAGAGACATTTTC	+1	out-of-frame
#23_4026	GACTAGCGATGTGTATCCCTCCACCCT------GACCTCGGCAAAGCTGCCAGAGACATTTTC	-5	out-of-frame
#26_4949	GACTAGCGATGTGTATCCCTCCACCCTATAGCTGACCTCGGCAAAGCTGCCAGAGACATTTTC	+1	out-of-frame
#26_4691	GACTAGCGATGTGTATCCCTCCACCTTCT----GACCTCGGCAAAGCTGCCAGAGACATTTTC	-3	in-frame

b



c



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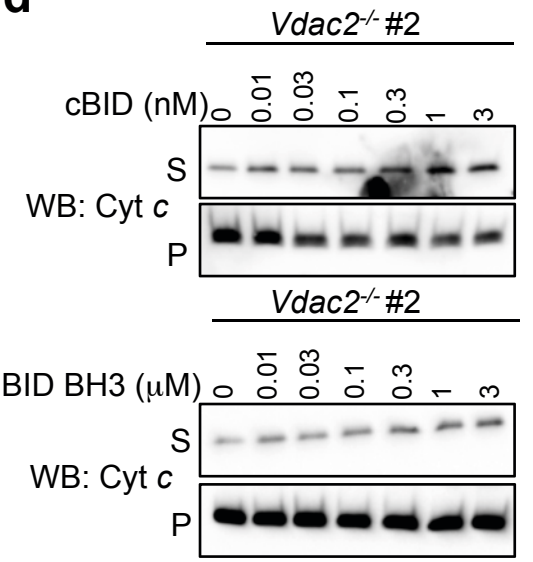
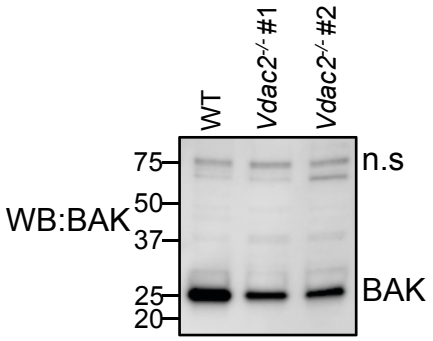
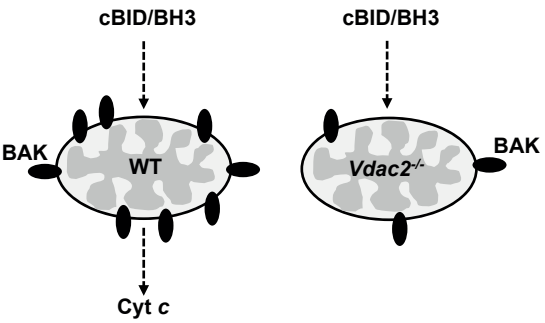


e



f