

Figure 5-figure supplement 1

A

9435-wt	GCTGAGGGCAGCGAGCAACAAGATATTCAGCATAGCTCGGAACATCAAGAAGCAGAATAC
9435-opt	GCTGAGGGCAGCGAGCAGCAGGACATCCAGCACAGCTCGGAGCACCAAGAGGCCGAGTAC
	↓
9435-wt	TCCGTTGAATCAAACCCTAATGACCTAGGTGATCACCCATCGCAAGATGGAAACACC
9435-opt	TCCGTCGAGTCCAACCCCAACGACCTCGGCGACCACCCATCGCAAGATGGAAACACC

B

2034-wt	GCCAATTTCCAGGGTCAAGATACCACCACTTACGACATCGACATGCATAACTTCATTGTC
2034-deopt	GCCAATTTCCAGGGTCAAGATACATATACTACAGATATAGATATGCATAATTTCATAGTA
2034-wt	AATAAAGAAATTCGACATCGCGTCGATATTCTACACTTGTCGCCTCCTTGTCAAGTATGG
2034-deopt	<u>AATAAAGAAAT</u> ACGACATCGTGTGATATTCTCATTTATCTCCTCCTTGTCAAGTATGG