Supplemental Table 1. Synthetic oligonucleotides used to generate of constructs used in this study.

Name	Sequence (5’-3’)
pVOTE.POLYA441G	GAAGATTGCAGGAGGATTCGGCTTC
pVOTE.POLYA441G c	GAAGCCGAATCCTCCTGCAATCTTC
pVOTE.POLYF442G	GAAGATTGCAGGAGCAGGCGGCTTCAAAGAC
pVOTE.POLYF442G c	GTCTTTGAAGCCGCCTGCTCCTGCAATCTTC
pVOTE.POLYA441G/F442G	CCTGAAGATTGCAGGAGGAGGCGGCTTCAAAGACATAATCC
pVOTE.POLYA441G/F442G c	GGATTATGTCTTTGAAGCCGCCTCCTCCTGCAATCTTCAGG
pVOTE.POLYD391N	GTTACAGAATACGGCCGATTTAATCCAGGAGCCATGAACTACAC
pVOTE.POLYD391N c	GTGTAGTTCATGGCTCCTGGATTAAATCGGCCGTATTCTGTAAC
pVOTE.POLYD431N	GTGAATACTTCATGGAGGTGGCCAATCTCAACTCTCCCCTGAAGATTG
pVOTE.POLYD431N c	CAATCTTCAGGGGAGAGTTGAGATTGGCCACCTCCATGAAGTATTCAC

Supplemental Table 2. Data collection and refinement statistics.

Data collection	D431N
Space group	$P2_13$
Cell dimensions	
$a = b = c$ (Å)	326.72
Wavelength	0.933
Resolution (Å)	50-3.1
R_{sym}	0.12
$I/\sigma I$	9.3
Completeness (%)	99.0
Redundancy	5.3
Refinement	
Resolution (Å)	20.0-3.1
No. reflections	187110
Cutoff	$3\sigma F$
R_{work}/R_{free}	0.28/0.28
No. residues	
Protein	428
Ligand/ion	1
Water	-
Averaged B-factors	26.7
R.m.s deviations	
Bond lengths (Å)	0.006
Bond angles (°)	0.803