

#↓	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1	A	G	A*	T*	C	C	A	A	S	T	T	G	G	A*	T*	C	T
2	A	G	A*	T*	C	C	A	C	S	G	T	G	G	A*	T*	C	T
6	A	G	C	T	C	C	A	C	S	G	T	G	G	A	G	C	T
7	A	G	C	T	C	C	A	G	S	C	T	G	G	A	G	C	T
9	A	G	G	T	C	C	A	A	S	T	T	G	G	A	C	C	T
10	A	G	G	T	C	C	A	C	S	G	T	G	G	A	C	C	T
11	A	G	G	T	C	C	A	G	S	C	T	G	G	A	C	C	T
13	A	G	T	T	C	C	A	A	S	T	T	G	G	A	A	C	T
14	A	G	T	T	C	C	A	C	S	G	T	G	G	A	A	C	T

Table S1. Operator Sequences used in interference selection. Positions of interest for the work presented here are 5,10,12,17 and are shown in bold. Position 11 is 'S', where S = (G or C). The wild-type operator is shown here as operator #10. In the wild-type interaction, His 6 has been shown to hydrogen bond with the guanines at operator positions 5 and 17. Arg 2 has been shown to interact with the guanines at operator positions 10 and 12. A* and T* indicate that the A's of those base-pairs are methylated by *dam* methylase.

	Codons		Residues	
#↓	2	6	2	6
1	AGG	CAT	Arg	His
2	AGG	CAT	Arg	His
3	AGG	CAT	Arg	His
4	CGC	CAT	Arg	His
5	AGG	CAC	Arg	His
6	CGT	AGC	Arg	Ser
7	AGG	CAC	Arg	His
8	CGC	CAT	Arg	His
9	AGG	CAT	Arg	His
10	AGG	CAT	Arg	His
11	CGC	ACC	Arg	Thr

Table S2. Selected codons and amino acids using the wild-type operator. Sequence of Mnt positions 2 and 6 from the 11 true positive colonies selected with the wild-type operator.

	Codons	Residues
#↓	2 6	2 6
1	AGA CCA	Arg Pro
2	CGA CCC	Arg Pro
3	CGG CCT	Arg Pro
4	CGA CCA	Arg Pro
5	CGG CCC	Arg Pro
6	AGG CCA	Arg Pro
7	CGT ACT	Arg Thr

Table S3. Selected codons and amino acids using the operator #2 (A at position 5). All codons combinations are different; 5 of the 6 Arg codons are represented, as are 3 of the 4 Pro codons.

	Codons		Residues	
#↓	2	6	2	6
1	CGC	TCA	Arg	Ser
2	CGC	TCG	Arg	Ser
3	CGG	CCG	Arg	Pro
4	CGC	ATG	Arg	Met
5	CGC	ATT	Arg	Ile
6	CGC	GTT	Arg	Val
7	CGC	ATC	Arg	Ile
8	CGC	GTT	Arg	Val
9	CGG	CCC	Arg	Pro
10	CGG	GCA	Arg	Ala
11	CGC	GGA	Arg	Gly
12	AGG	CCA	Arg	Pro

Table S4. Selected codons and amino acids using the operator #14 (T at position 5). 11 of the 12 codon combinations are unique.