

Supplementary Table 4 Loperamide and emetine functional assay data

N	Receptor	Agonist	Predicted antagonist	pEC50±SEM (EC50, nM)		Fold change in EC50	Two-tail T-test (<0.05)
				Vehicle + agonist	Predicted antagonist + agonist		
3	NK2	[β-Ala8]-Neurokinin A Fragment 4-10	Loperamide HCl	9.24±0.05 (0.57)	8.37±0.05 (4.3)	7.5	0.0002
3	alpha2a	clonidine	Emetine	8.16±0.09 (6.9)	7.14±0.11 (73)	10.6	0.0019
3	alpha2c	clonidine	Emetine	7.40±0.09 (40)	5.96±0.11 (1094)	27.5	0.0005