

Supporting Information File 3
for

**Non-native autoinducer analogs capable of modulating the SdiA
quorum sensing receptor in *Salmonella enterica* serovar Typhimurium**

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Competition assay efficacy and potency data

Table S1: Efficacy and potency data for OOHL (**2**) in competition against antagonists **F45**, **R8**, and **11** at varying concentrations.^a See Figure 5 in main article for dose–response curves.

Compound	Concentration (μM)	Activation (%)	95% CI (%) ^b	EC ₅₀ (nM)	95% CI (nM) ^c
<i>No antagonist</i>	0	110 ^d	103–117	1.03	0.549–1.48
F45	0.1	84	79–89	1.77	1.04–3.01
F45	1	77	73–80	1.33	0.78–2.26
F45	10	56	52–61	4.11	1.40–12.1
F45	100	21	14–28	-- ^e	--
R8	0.1	96	91–100	1.57	1.03–2.40
R8	1	95	91–99	1.51	0.98–2.32
R8	10	114 ^d	108–120	2.52	1.44–4.43
R8	100	79	75–83	10.6	4.8–23.5
11	0.1	97	92–102	72.3	48.3–108
11	1	97	91–103	220	151–321
11	10	78	73–82	1313	999–1725
11	100	20	15–26	4673	2510–8701

^aAll assays are averages of biological triplicates in the *S. Typhimurium*-pJNS25 SdiA reporter strain (see Experimental Section). ^bCI = confidence interval for the Activation % ($p = 0.05$). ^cCI = confidence interval for the EC₅₀ ($p = 0.05$). ^dNot significantly different than the positive control ($p = 0.05$). ^eNon-linear fit could not be completed.