Supporting Information File 2

for

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

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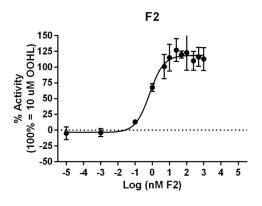
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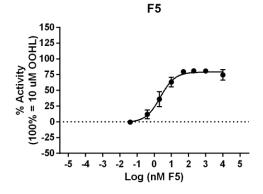
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Full dose–response curves

Agonism and antagonism dose-response curves in support of data listed in Tables 1–4 in the main text. Plots corresponding to these data as listed on the pages below:
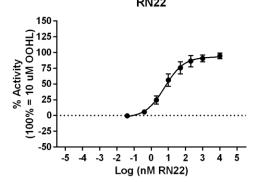
- **Table S1:** Pages S2–S4
  Agonism dose-response curves for compounds **F2** to **11-Az** in the *S.* Typhimurium-pJNS25 reporter strain.

- **Table S2:** Page S5
  Agonism dose-response curves for compounds **A1** to **C24** in the *S.* Typhimurium-pJNS25 reporter strain.

- **Table S3:** Pages S6–S8
  Agonism (black) and antagonism (red) dose-response curves for compounds **11 (ITC-12)** to **S2** in the *S.* Typhimurium-pJNS25 reporter strain. Antagonists competed against the EC$_{90}$ of **2** (OOHL), 10 nM.

- **Table S4:** Page S9
  Antagonism dose-response curves for compounds **11 (ITC-12)**, **R8**, **16**, and **F45** in the *E. coli* JLD271-pJN105SE-pSC11SE reporter strain. Antagonists competed against the EC$_{50}$ of **2** (OOHL), 1.5 nM. Agonism dose-response curve for **2** (OOHL) also included.
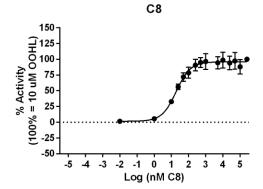
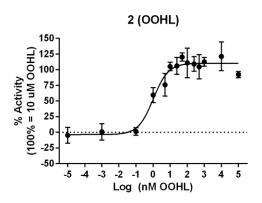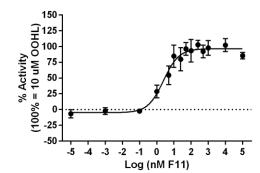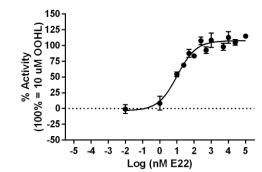All assay protocols are described in the Experimental Section in the main text.

F2

2 (OOHL)

F5

F11

RN22

E22

C8

C11

A1

% Activity (100% = 10 uM OOHL) vs Log (nM A1)

A3

% Activity (100% = 10 uM OOHL) vs Log (nM A3)

C14

% Activity (100% = 10 uM OOHL) vs Log (nM C14)

C24

% Activity (100% = 10 uM OOHL) vs Log (nM C24)

A6

F13

R7

B4

E6

19R

F47

C18

S7