

**Table S1.** Strains and plasmids used in this work

| Strains   | Genotype  | Source     |
|-----------|---|------------|
| SV5015    | <i>Salmonella enterica</i> serovar Typhimurium SL1344 His+              | [1]        |
| TGC200    | SV5015 $\Delta$ crp:frt   | This study |
| TGC201    | SV5015 $\Delta$ cya:frt   | This study |
| SV5015UB2 | SV5015 <i>hila-lacZ</i>   | [2]        |
| TGC202    | SV5015 $\Delta$ crp:frt <i>hila-lacZ</i>                                | This study |
| JPTM7     | SV5015 <i>HilA-3xFLAG::km</i>   | [3]        |
| TGC203    | SV5015 $\Delta$ crp:frt <i>HilA-3xFLAG::km</i>                          | This study |
| TGC244    | SV5015 $\Delta$ cya:frt <i>HilA-3xFLAG::km</i>                          | This study |
| TGC204    | SV5015 <i>HilA-3xFLAG::km</i> pTRC99a VC                                | This study |
| TGC205    | SV5015 $\Delta$ cya:Frt <i>HilA-3xFLAG::km</i> pTRc99aVC                | This study |
| TGC206    | SV5015 <i>HilA-3xFLAG::km</i> pTRc99a CpdA                              | This study |
| TGC207    | SV5015 $\Delta$ cya:frt <i>HilA-3xFLAG::km</i> pTRc99a CpdA             | This study |
| MHS2      | SV5015 <i>SipA-3xFLAG</i>   | [4]        |
| TGC208    | SV5015 $\Delta$ crp:frt <i>SipA-3xFLAG</i>                              | This study |
| TGC14     | SV5015 $\Delta$ rtsa::cm <i>hila-lacZ</i>                               | This study |
| TGC209    | SV5015 $\Delta$ crp:frt $\Delta$ rtsa::cm <i>hila-lacZ</i>              | This study |
| TGC10     | SV5015 $\Delta$ hilD::cm <i>hila-lacZ</i>                               | This study |
| TGC210    | SV5015 $\Delta$ crp:frt $\Delta$ hilD::cm <i>hila-lacZ</i>              | This study |
| TGC8      | SV5015 $\Delta$ hilC:frt <i>hila-lacZ</i>                               | This study |
| TGC211    | SV5015 $\Delta$ crp:frt $\Delta$ hilC:frt <i>hila-lacZ</i>              | This study |
| TGC212    | SV5015 <i>hilC-lacZ</i>   | This study |
| TGC213    | SV5015 $\Delta$ crp:frt <i>hilC-lacZ</i>                                | This study |
| TGC214    | SV5015 $\Delta$ crp:frt $\Delta$ hilD::cm <i>hilC-lacZ</i>              | This study |
| TGC35     | SV5015 <i>hilD1235-lacZ</i>   | This study |
| TGC215    | SV5015 $\Delta$ crp:frt <i>hilD1235-lacZ</i>                            | This study |
| TGC216    | SV5015 $\Delta$ crp:frt $\Delta$ hilC:frt <i>hilD1235-lacZ</i>          | This study |
| TH20428   | <i>Salmonella enterica</i> serovar Typhimurium LT2 <i>HilD-3xFLAG</i>   | [5]        |
| TGC217    | SV5015 <i>HilD-3xFLAG::km</i>   | This study |
| TGC218    | SV5015 $\Delta$ crp:frt <i>HilD-3xFLAG::km</i>                          | This study |
| TGC219    | SV5015 <i>HilD-3xFLAG:frt</i>   | This study |
| TGC220    | SV5015 $\Delta$ crp:frt <i>HilD-3xFLAG:frt</i>                          | This study |
| SV6190    | SV5015 <i>hilD</i> $\Delta$ UTR:km                                      | [6]        |
| TGC221    | SV5015 <i>hilD</i> $\Delta$ UTR:frt <i>SipA-3xFLAG</i>                  | This study |
| TGC222    | SV5015 $\Delta$ crp:frt <i>hilD</i> $\Delta$ UTR:frt <i>SipA-3xFLAG</i> | This study |
| TGC25     | SV5015 <i>hilD76-lacZ</i>   | This study |
| TGC223    | SV5015 $\Delta$ crp:frt <i>hilD76-lacZ</i>                              | This study |
| TGC38     | SV5015 <i>hilD965-lacZ</i>  | This study |
| TGC224    | SV5015 $\Delta$ crp:frt <i>hilD965-lacZ</i>                             | This study |
| SV5293    | 14028 $\Phi$ ( <i>sipC'</i> - <i>lacZ'</i> )                            | [7]        |
| TGC40     | SV5015 $\Phi$ ( <i>sipC'</i> - <i>lacZ'</i> )                           | This study |

|        |   |            |
|--------|---|------------|
| TGC225 | SV5015 $\Delta crp:frt \Phi(sipC'-lacZ')$                                 | This study |
| TGC226 | SV5015 $hilD\Delta UTR:frt \Phi(sipC'-lacZ')$                             | This study |
| TGC227 | SV5015 $\Delta crp:frt hilD\Delta UTR:frt \Phi(sipC'-lacZ')$              | This study |
| TGC228 | SV5015 $\Delta hfq::cm hilD1235-lacZ$                                     | This study |
| TGC229 | SV5015 $\Delta crp:frt \Delta hfq::cm hilD1235-lacZ$                      | This study |
| TGC230 | SV5015 $\Delta hfq::cm \Phi(sipC'-lacZ')$                                 | This study |
| TGC231 | SV5015 $\Delta crp:frt \Delta hfq::cm \Phi(sipC'-lacZ')$                  | This study |
| TGC232 | SV5015 $hilD965-lacZ$ pBRplacVC   | This study |
| TGC233 | SV5015 $hilD965-lacZ$ pBRplac Spot 42                                     | This study |
| TGC234 | SV5015 $hilD1235-lacZ$ pBRplacVC  | This study |
| TGC235 | SV5015 $hilD1235-lacZ$ pBRplac Spot 42                                    | This study |
| TGC236 | SV5015 $\Delta hfq::cm hilD1235-lacZ$ pBRplacVC                           | This study |
| TGC237 | SV5015 $\Delta hfq::cm hilD1235-lacZ$ pBRplac Spot 42                     | This study |
| SV5961 | SV5015 $rne537::cm$   | [7]        |
| TGC254 | SV5015 $rne537::cm hilD1235-lacZ$ pBRplacVC                               | This study |
| TGC255 | SV5015 $rne537::cm hilD1235-lacZ$ pBRplac Spot 42                         | This study |
| TGC238 | SV5015 $\Phi(sipC'-lacZ')$ pBRplacVC                                      | This study |
| TGC239 | SV5015 $hilD\Delta UTR:frt \Phi(sipC'-lacZ')$ pBRplacVC                   | This study |
| TGC240 | SV5015 $\Phi(sipC'-lacZ')$ pBRplac Spot 42                                | This study |
| TGC241 | SV5015 $hilD\Delta UTR:frt \Phi(sipC'-lacZ')$ pBRplac Spot 42             | This study |
| TGC242 | SV5015 $\Delta spf::cm hilD1235-lacZ$                                     | This study |
| TGC243 | SV5015 $\Delta crp:frt \Delta spf::cm hilD1235-lacZ$                      | This study |
| TGC246 | SV5015 $\Phi(sipC'-lacZ')$ pBRplac Spot 42 <sup>Mut1</sup>                | This study |
| TGC247 | SV5015 $\Phi(sipC'-lacZ')$ pBRplac Spot 42 <sup>Mut2</sup>                | This study |
| TGC248 | SV5015 $hilDUTR^{Mut1} \Phi(sipC'-lacZ')$ pBRplacVC                       | This study |
| TGC249 | SV5015 $hilDUTR^{Mut1} \Phi(sipC'-lacZ')$ pBRplac Spot 42                 | This study |
| TGC250 | SV5015 $hilDUTR^{Mut1} \Phi(sipC'-lacZ')$ pBRplac Spot 42 <sup>Mut1</sup> | This study |
| TGC251 | SV5015 $hilDUTR^{Mut2} \Phi(sipC'-lacZ')$ pBRplacVC                       | This study |
| TGC252 | SV5015 $hilDUTR^{Mut2} \Phi(sipC'-lacZ')$ pBRplac Spot 42                 | This study |
| TGC253 | SV5015 $hilDUTR^{Mut2} \Phi(sipC'-lacZ')$ pBRplac Spot 42 <sup>Mut2</sup> | This study |

| Plasmids                        | Antibiotic resistance | Source     |
|---------------------------------|-----------------------|------------|
| pTRc99a                         | Amp <sup>R</sup>      | [8]        |
| pTRc99a CpdA                    | Amp <sup>R</sup>      | This study |
| pXG1                            | Cm <sup>R</sup>       | [9]        |
| pXG1 <i>gfp</i> -3'UTR          | Cm <sup>R</sup>       | This study |
| pBRplac                         | Amp <sup>R</sup>      | [10]       |
| pBRplac Spot 42                 | Amp <sup>R</sup>      | This study |
| pBRplac Spot 42 <sup>Mut1</sup> | Amp <sup>R</sup>      | This study |
| pBRplac Spot 42 <sup>Mut2</sup> | Amp <sup>R</sup>      | This study |

## References

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