**Table S8a. Fragment analysis on FA1090 *modA13* ON/OFF Original Inoculum and 40, 50 and 60 ug/ml Triton X-100 concentrations**

| Sample | % ON in FA1090 ON Inoculum | Average % ON or OFF | Std dev |
|---|---|---|---|
| FA1090 Inoculum ON_1 | 89.65 | | |
| FA1090 Inoculum ON_2 | 88.86 | | |
| FA1090 Inoculum ON_2 | 87.87 | | |
| | % ON in FA1090 ON 40 ug/ml | 88.79 | 0.892 |
| FA1090 *modA13* ON 40_1 | 62.54 | | |
| FA1090 *modA13* ON 40_2 | 40.89 | | |
| FA1090 *modA13* ON 40_3 | 55.58 | 53.01 | 11.05 |
| | % ON in FA1090 ON 50 ug/ml | | |
| FA1090 *modA13* ON 50_1 | 10.84 | | |
| FA1090 *modA13* ON 50_2 | 35.09 | | |
| FA1090 *modA13* ON 50_3 | 13.19 | 19.71 | 13.37 |
| | % ON in FA1090 ON 60 ug/ml | | |
| FA1090 *modA13* ON 60_1 | 24.37 | | |
| FA1090 *modA13* ON 60_2 | 10.05 | | |
| FA1090 *modA13* ON 60_3 | 25.12 | 19.85 | 8.49 |
| | % OFF in FA1090 ON Inoculum | | |
| FA1090Inoculum ON_1 | 10.35 | | |
| FA1090Inoculum ON_2 | 11.14 | | |
| FA1090Inoculum ON_3 | 12.13 | 11.21 | 0.892 |
| | % OFF in FA1090 ON 40 ug/ml | | |
| FA1090 *modA13* ON 40_1 | 37.46 | | |
| FA1090 *modA13* ON 40_2 | 59.11 | | |
| FA1090 *modA13* ON 40_3 | 44.42 | 46.99 | 11.05 |
| | % OFF in FA1090 ON 50 ug/ml | | |
| FA1090 *modA13* ON 50_1 | 89.16 | | |
| FA1090 *modA13* ON 50_2 | 64.91 | | |
| FA1090 *modA13* ON 50_3 | 86.81 | 80.29 | 13.37 |
| | % OFF in FA1090 ON 60 ug/ml | | |
| FA1090 *modA13* ON 60_1 | 75.63 | | |
| FA1090 *modA13* ON 60_2 | 89.95 | | |
| FA1090 *modA13* ON 60_3 | 74.88 | 80.15 | 8.49 |

**Table S8b. FA1090 *ModA13* ON/OFF Ratio Student's *t*-test Results**

| | P-value |
|---|---|
| % ON in FA1090ON Inoculum vs % ON in FA1090 ON 40 ug/ml | 0.02967 |
| % OFF in FA1090ON Inoculum vs % OFF in FA1090ON 40 ug/ml | 0.02967 |
| | |
| % ON in FA1090ON Inoculum vs % ON in FA1090 ON 50 ug/ml | 0.01198 |
| % OFF in FA1090ON Inoculum vs % OFF in FA1090ON 50 ug/ml | 0.01198 |
| | |
| % ON in FA1090ON Inoculum vs % ON in FA1090 ON 60 ug/ml | 0.00465 |
| % OFF in FA1090ON Inoculum vs % OFF in FA1090ON 60 ug/ml | 0.00465 |

Data above represents genescan analysis results where the size of the repeat tract was determined using fluorescent primers (see Materials and Methods) and contains values determined from 3 independent samples [17].