**Table S3. Effect of compounds on GlaI endonuclease activity.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Cmpd # | Assay Plate | Well ID | Cmpd ID | Initial Velocity (RFU/min) | Percent Activity |
| 13 | 3 | F8 | 01505465 | 28 ± 2 | 104 |
| 22 | 4 | G5 | 01504078 | 24 ± 1 | 86 |
| 24 | 4 | J5 | 01503867 | 27 ± 1 | 96 |
| 26 | 5 | B22 | 00210850 | 22 ± 1 | 79 |
| 29 | 5 | M9 | 01505786 | 22 ± 2 | 79 |
| 30 | 5 | M11 | 01503806 | N.D.\* | 0 |
| 33 | 6 | A4 | 01505143 | 27 ± 2 | 96 |
| 36 | 6 | G15 | 01504080 | 28 ± 1 | 104 |
| 40 | 6 | K10 | 01505847 | 22 ± 3 | 79 |
| 44 | 7 | C20 | 00300038 | 25 ± 1 | 89 |
| 51 | 7 | N12 | 01505007 | 25 ± 1 | 89 |
| 53 | 7 | O19 | 00201507 | 11 ± 1 | 39 |
| DMSO | - | - | - | 27 ± 1 | 100 |

 \*N.D. – No detectable activity was observed.