**Supplemental Table 1.** Data table for Figure 8 dual dilution response curve library.

**Figure 8A. 10^8 CFU/mL**

| Sample  | GC Signal (nA) | 2.50x10^7 Ratio | 1.25x10^7 Ratio | 6.25x10^6 Ratio | 2.94x10^6 Ratio | 1.47x10^6 Ratio | 7.35x10^5 Ratio | 3.68x10^5 Ratio |
|---------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|----------------|
| EC67 (S) | 10143.4        | 0.84114         | 0.49463         | 0.4047          | 0.04738         | 0.03195         | 0.02503        | 0.0289         |
| KP39 (I) | 10000          | 1               | 1               | 0.97502         | 0.84697         | 0.47504         | 0.18299        |                |
| EC11 (R) | 9641.82        | 0.96217         | 1.01837         | 1.00257         | 0.884933        | 0.90528         | 0.88932        | 0.82178        |

**Figure 8B. 10^7 CFU/mL**

| Sample  | GC Signal (nA) | 2.50x10^6 Ratio | 1.25x10^6 Ratio | 6.25x10^5 Ratio | 2.94x10^5 Ratio | 1.47x10^5 Ratio | 7.35x10^4 Ratio | 3.68x10^4 Ratio |
|---------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|----------------|
| EC67 (S) | 10240          | 0.09592         | 0.05414         | 0.03203         | 0.00691         | 0.0065          | 0.00653        | 0.00853        |
| KP39 (I) | 3653.12        | 2.00059         | 2.35434         | 1.51172         | 0.6445          | 0.36067         | 0.10841        | 0.0496         |
| EC11 (R) | 10000          | 1               | 1               | 0.76496         | 0.4359          | 0.34206         | 0.31141        | 0.07408        |

**Figure 8C. 10^6 CFU/mL**

| Sample  | GC Signal (nA) | 2.50x10^5 Ratio | 1.25x10^5 Ratio | 6.25x10^4 Ratio | 2.94x10^4 Ratio | 1.47x10^4 Ratio | 7.35x10^3 Ratio | 3.68x10^3 Ratio |
|---------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|----------------|
| EC67 (S) | 5528.37        | 0.01863         | 0.01122         | 0.00921         | 0.00681         | 0.00568         | 0.00585        | 0.0054         |
| KP39 (I) | 2717.95        | 0.83489         | 0.52083         | 0.19908         | 0.09294         | 0.05265         | 0.02571        | 0.02142        |
| EC11 (R) | 2192.72        | 1.70512         | 1.96059         | 0.71589         | 0.24497         | 0.19567         | 0.166          | 0.05074        |

**Figure 8D. 10^5 CFU/mL**

| Sample  | GC Signal (nA) | 2.50x10^4 Ratio | 1.25x10^4 Ratio | 6.25x10^3 Ratio | 2.94x10^3 Ratio | 1.47x10^3 Ratio | 7.35x10^2 Ratio | 3.68x10^2 Ratio |
|---------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|----------------|
| EC67 (S) | 266.72         | 0.13651         | 0.08554         | 0.11308         | 0.10076         | 0.14294         | 0.1406         | 0.13942        |
| KP39 (I) | 373.788        | 0.93524         | 0.4028          | 0.2311          | 0.13792         | 0.1014          | 0.09279        | 0.09276        |
| EC11 (R) | 283.539        | 1.06794         | 1.06075         | 0.65143         | 0.16841         | 0.1964          | 0.16585        | 0.11027        |