Ordering:

Graphical user interface, text, application

Description automatically generated

**Master Mix preparation (S:R346T):**

|  |  |
| --- | --- |
| Component | Volume per reaction |
| 4X Taqman master mix (Fast Virus) | 2.5ul |
| Sample and standards | 3 ul |
| Primers and probs | Stock provided in 40X add 1X per reaction (0.25ul in 10ul reaction) |
| Water | Up to 10ul |
| Total volume | 10ul |

|  |  |  |  |
| --- | --- | --- | --- |
| Revere transcription | 50C | 10min | 1 cycle |
| RT inactivation/initial denaturation | 95 | 2min | 1 cycle |
| Denaturation | 95 | 5 sec | 45cycles |
| Annealing/ extension | 58 | 40 sec |

**G-block standards provided by Dr. Ivy Yang**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Original stock | ng/uL | bp | original cp RNA/uL (nanodrop base) | in 100D, cp RNA/uL (nanodrop base) | in 100D, cp RNA/uL (n1 qPCR) |
| WTO777 | 72.3 | 777 | 1.70E+11 | 1.70E+09 | 1.65E+09 |
| VARO773 | 64.9 | 773 | 1.53E+11 | 1.53E+09 | 1.47E+09 |