Worksheet 2018: TempVar:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | target |
| A | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | DWV |
| B | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | DWV |
| C | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | BQCV |
| D | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | BQCV |
| E | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | ACT |
| F | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | ACT |
| G | gblock | 46 | 47 | 48 | gblock | 46 | 47 | 48 | gblock | 46 | 47 | 48 |  |
| H | NTC | 46 | 47 | 48 | NTC | 46 | 47 | 48 | NTC | 46 | 47 | 48 |  |
|  | DWV | DWV | DWV | DWV | BQCV | BQCV | BQCV | BQCV | ACT | ACT | ACT | ACT |  |

BQCV, DWV, ACTIN

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Stock** | **Final konc** | **20 µl** | **10 µl** |  | **36** | **\* 80%** |
| **H2O** |  |  |  | 1.475 |  | **53.1** |  |
| **iTaq Universal SYBR Green mix** | 2x | 1x |  | 5 |  | **180** |  |
| **Primer 1** | 10 μM | 0.2 μM |  | 0.2 |  | **7.2** |  |
| **Primer 2** | 10 μM | 0.2 μM |  | 0.2 |  | **7.2** |  |
| **iScript reverse transcriptase** |  | 1x |  | 0.125 |  | 4.5 | **3.6** |
| **Template RNA** |  |  |  | 3 |  | **3** |  |
|  |  |  |  |  |  |  |  |