Worksheet 2018: TempVar and HB test for PlantTransII:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | target |
| A | 1 | 3 | 4 | 5 | 6 | 8 | 10 | 11 | 12 | 13 | 15 | 16 | DWV |
| B | 1 | 3 | 4 | 5 | 6 | 8 | 10 | 11 | 12 | 13 | 15 | 16 | DWV |
| C | 1 | 3 | 4 | 5 | 6 | 8 | 10 | 11 | 12 | 13 | 15 | 16 | BQCV |
| D | 1 | 3 | 4 | 5 | 6 | 8 | 10 | 11 | 12 | 13 | 15 | 16 | BQCV |
| E | 1 | 3 | 4 | 5 | 6 | 8 | 10 | 11 | 12 | 13 | 15 | 16 | ACT |
| F | 1 | 3 | 4 | 5 | 6 | 8 | 10 | 11 | 12 | 13 | 15 | 16 | ACT |
| G | HB | gblock | 17 | 18 | HB | gblock | 17 | 18 | HB | gblock | 17 | 18 |  |
| H | HB | NTC | 17 | 18 | HB | NTC | 17 | 18 | HB | NTC | 17 | 18 |  |
|  | 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** |  |
|  |  |  |  |  |  |  |  |