Worksheet 2018: TempVar:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | target |
| A | 106 | 107 | 108 | 109 | 110 | 111 | 112 | 113 | 114 | 115 | 116 | 117 | DWV |
| B | 106 | 107 | 108 | 109 | 110 | 111 | 112 | 113 | 114 | 115 | 116 | 117 | DWV |
| C | 106 | 107 | 108 | 109 | 110 | 111 | 112 | 113 | 114 | 115 | 116 | 117 | BQCV |
| D | 106 | 107 | 108 | 109 | 110 | 111 | 112 | 113 | 114 | 115 | 116 | 117 | BQCV |
| E | 106 | 107 | 108 | 109 | 110 | 111 | 112 | 113 | 114 | 115 | 116 | 117 | ACT |
| F | 106 | 107 | 108 | 109 | 110 | 111 | 112 | 113 | 114 | 115 | 116 | 117 | ACT |
| G | gblock | gblock | gblock | B1 | B2 | B3 | B4 | B1 | B2 | B3 | B4 |  |  |
| H | NTC | NTC | NTC | B2 | B3 | B4 | B5 | B2 | B3 | B4 | B5 |  |  |
|  | DWV | BQCV | ACT | DWV | DWV | DWV | DWV | ACT | ACT | ACT | ACT |  |  |

ACTIN. DWV

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Stock** | **Final konc** | **20 µl** | **10 µl** |  | **37** | **\* 80%** |
| **H2O** |  |  |  | 1.475 |  | **54.575** |  |
| **iTaq Universal SYBR Green mix** | 2x | 1x |  | 5 |  | **185** |  |
| **Primer 1** | 10 μM | 0.2 μM |  | 0.2 |  | **7.4** |  |
| **Primer 2** | 10 μM | 0.2 μM |  | 0.2 |  | **7.4** |  |
| **iScript reverse transcriptase** |  | 1x |  | 0.125 |  | 4.625 | **3.7** |
| **Template RNA** |  |  |  | 3 |  | **3** |  |
|  |  |  |  |  |  |  |  |

BQCV

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Stock** | **Final konc** | **20 µl** | **10 µl** |  | **30** | **\* 80%** |
| **H2O** |  |  |  | 1.475 |  | **44.25** |  |
| **iTaq Universal SYBR Green mix** | 2x | 1x |  | 5 |  | **150** |  |
| **Primer 1** | 10 μM | 0.2 μM |  | 0.2 |  | **6** |  |
| **Primer 2** | 10 μM | 0.2 μM |  | 0.2 |  | **6** |  |
| **iScript reverse transcriptase** |  | 1x |  | 0.125 |  | 3.75 | **3** |
| **Template RNA** |  |  |  | 3 |  | **3** |  |
|  |  |  |  |  |  |  |  |