Worksheet 2018: PLANT TRANS II:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | target |
| A | B1 | B2 | B3 | B4 | gBlock |  |  |  |  | RS | RS | RS | DWV |
| B | B1 | B2 | B3 | B4 | NTC |  |  |  |  |  |  |  | DWV |
| C | B1 | B2 | B3 | B4 | gBlock |  |  |  |  |  |  |  | BQCV |
| D | B1 | B2 | B3 | B4 | NTC |  |  |  |  |  |  |  | BQCV |
| E | B1 | B2 | B3 | B4 | gBlock |  |  |  |  |  |  |  | IAPV |
| F | B1 | B2 | B3 | B4 | NTC |  |  |  |  |  |  |  | IAPV |
| G | B1 | B2 | B3 | B4 | gBlock |  |  |  |  | RS | RS | RS | ACT |
| H | B1 | B2 | B3 | B4 | NTC |  |  |  |  |  |  |  | ACT |

DWV, ACTIN

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Stock** | **Final konc** | **20 µl** | **10 µl** |  | **16** | **\* 80%** |
| **H2O** |  |  |  | 1.475 |  | **23.6** |  |
| **iTaq Universal SYBR Green mix** | 2x | 1x |  | 5 |  | **80** |  |
| **Primer 1** | 10 μM | 0.2 μM |  | 0.2 |  | **3.2** |  |
| **Primer 2** | 10 μM | 0.2 μM |  | 0.2 |  | **3.2** |  |
| **iScript reverse transcriptase** |  | 1x |  | 0.125 |  | 2 | **1.6** |
| **Template RNA** |  |  |  | 3 |  | **3** |  |
|  |  |  |  |  |  |  |  |

BQCV, IAPV,

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Stock** | **Final konc** | **20 µl** | **10 µl** |  | **12** | **\* 80%** |
| **H2O** |  |  |  | 1.475 |  | **17.7** |  |
| **iTaq Universal SYBR Green mix** | 2x | 1x |  | 5 |  | **60** |  |
| **Primer 1** | 10 μM | 0.2 μM |  | 0.2 |  | **2.4** |  |
| **Primer 2** | 10 μM | 0.2 μM |  | 0.2 |  | **2.4** |  |
| **iScript reverse transcriptase** |  | 1x |  | 0.125 |  | 1.5 | **1.2** |
| **Template RNA** |  |  |  | 3 |  | **3** |  |
|  |  |  |  |  |  |  |  |