



## TaqMan RT-PCR Results

Client: Kaprikorn

Order: KAP96

Target pathogen: Hop Latent Viroid

05 June 2026

Hop Latent Viroid

## Order details:

**Client:** Kaprikorn

**Target Pathogen:** Hop Latent Viroid

**Date Sampled:** 06/03/2026

**Date Received:** 06/04/2026

**Date Reported:** 06/05/2026

**Total samples:** 46

**NUMBER SAMPLES INFECTED:** 0

## Results interpretation:

**C<sub>T</sub> (cycle threshold)** - number of PCR cycles to detect the target. Lower indicates more pathogen in sample.

**Control** - Amplification of cannabis control gene. Less than 35 cycles indicates an acceptable sample quality and robust PCR amplification. Above 35 cycles indicates poor sample quality.

**FRESH:** <24 - 27 C<sub>T</sub>
**EXCELLENT:** 27 - 30 C<sub>T</sub>
**GREAT:** 30 - 32 C<sub>T</sub>
**OKAY:** 32 - 35 C<sub>T</sub>
**FAIL:** >35 C<sub>T</sub>
**HLVd** - Detection C<sub>T</sub> and relative amount of HLVd in the sample:

**HIGH:** <15 - 20 C<sub>T</sub>
**MEDIUM:** 21 - 28 C<sub>T</sub>
**LOW:** 29 - <35 C<sub>T</sub>
**INCONCLUSIVE:** >35 C<sub>T</sub>

| Sample                          | Control | HLVd  | HLVd Status | Sample Tested |
|---------------------------------|---------|-------|-------------|---------------|
| HLVd Control                    | -       | 25.61 | +           | -             |
| Permanent Sunset 01             | 29.06   | -     | -           | Root          |
| Permanent Sunset 03             | 28.58   | -     | -           | Root          |
| Permanent Sunset 06             | 30.31   | -     | -           | Root          |
| Permanent Sunset 10             | 27.28   | -     | -           | Root          |
| Pineapple Jager - CBD 1:1 48642 | 29.37   | -     | -           | Root          |
| Pineapple Jager - CBD 1:1 48643 | 28.99   | -     | -           | Root          |
| Pineapple Jager - CBD 1:1 48644 | 27.52   | -     | -           | Root          |
| Pineapple Jager - CBD 1:1 48645 | 29.99   | -     | -           | Root          |
| Pineapple Jager - CBD 1:1 48646 | 27.86   | -     | -           | Root          |
| Pink Z 48614                    | 27.25   | -     | -           | Root          |
| Prezzure 48492                  | 28.61   | -     | -           | Root          |
| Purple Chemdawg 48064           | 33.63   | -     | -           | Root          |
| Purple Lemonade 01              | 28.36   | -     | -           | Root          |
| Purple Lemonade 02              | 26.64   | -     | -           | Root          |
| Red Eyes 48518                  | 28.85   | -     | -           | Root          |
| Red Hotz 48512                  | 27.9    | -     | -           | Root          |
| Red Lemons 48497                | 33.6    | -     | -           | Root          |

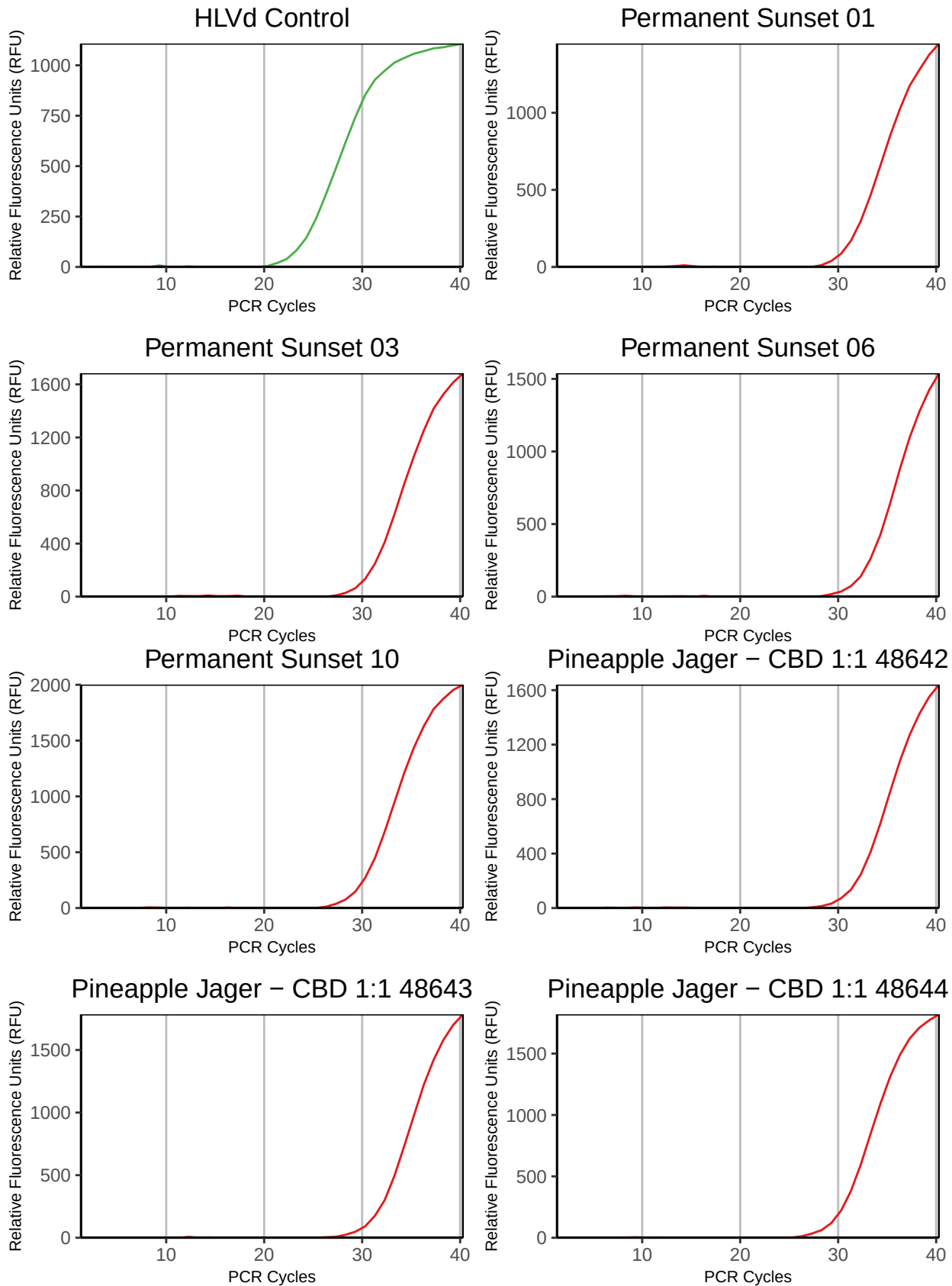
## Hop Latent Viroid

| Sample                 | Control | HLVd | HLVd Status | Sample Tested |
|------------------------|---------|------|-------------|---------------|
| Riri 48505             | 28.37   | -    | -           | Root          |
| Shiso 48496            | 28.32   | -    | -           | Root          |
| Sin Mintz 01           | 28.75   | -    | -           | Root          |
| Sin Mintz 02           | 26.69   | -    | -           | Root          |
| Sour BX3 48504         | 27.57   | -    | -           | Root          |
| Sour Chem 48524        | 27.06   | -    | -           | Root          |
| Sour Peaches 48520     | 27.91   | -    | -           | Root          |
| Strawguava 48522       | 28.87   | -    | -           | Root          |
| Sunset Sherbet 48502   | 28.97   | -    | -           | Root          |
| Tallymon 48527         | 28.25   | -    | -           | Root          |
| Tangie Bomb 01         | 27.71   | -    | -           | Root          |
| Tangie Bomb 02         | 28.64   | -    | -           | Root          |
| Tits 48529             | 27.81   | -    | -           | Root          |
| Toad Venom 01          | 27.15   | -    | -           | Root          |
| Toad Venom 02          | 27.67   | -    | -           | Root          |
| Toad Venom 03          | 26.03   | -    | -           | Root          |
| WWZ 48498              | 28.63   | -    | -           | Root          |
| Watermelon Rain 01     | 29.45   | -    | -           | Root          |
| Watermelon Rain 02     | 28.41   | -    | -           | Root          |
| Watermelon Rain 05     | 28.03   | -    | -           | Root          |
| Watermelon Rain 09     | 29.62   | -    | -           | Root          |
| Watermelon Rain 10     | 29.18   | -    | -           | Root          |
| Z 48412                | 28.3    | -    | -           | Root          |
| Z x Starburst OG 48409 | 28.98   | -    | -           | Root          |
| Zang Banger 48523      | 28.81   | -    | -           | Root          |
| Zowah 48495            | 33.21   | -    | -           | Root          |
| Zsunami 48519          | 27.96   | -    | -           | Root          |
| Zuava 01               | 26.74   | -    | -           | Root          |
| Zuava 02               | 26.58   | -    | -           | Root          |

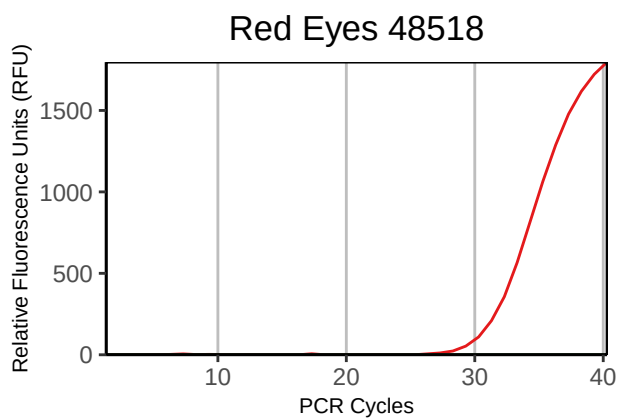
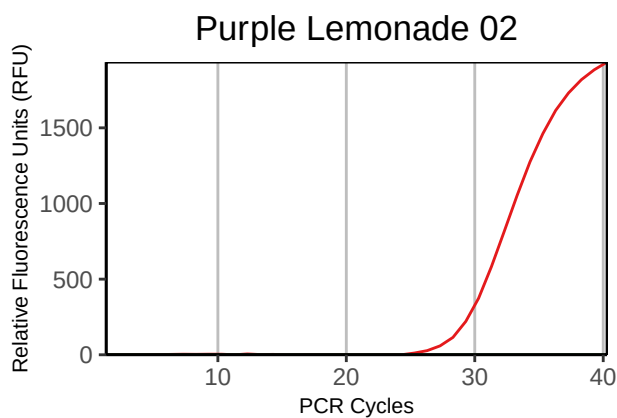
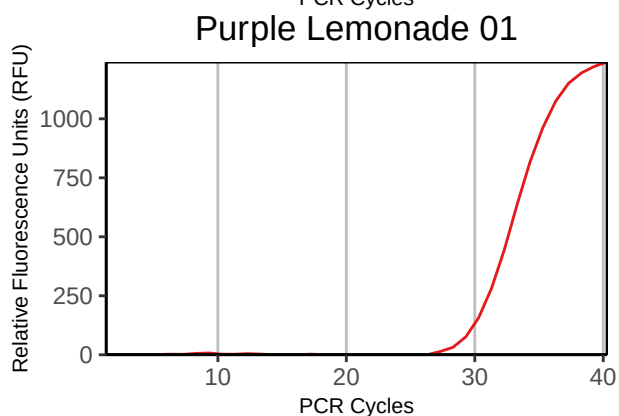
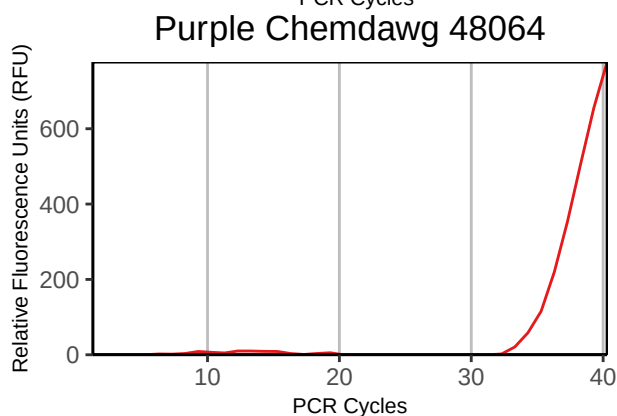
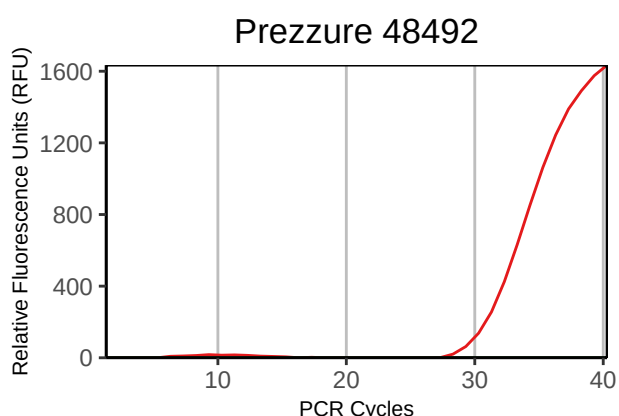
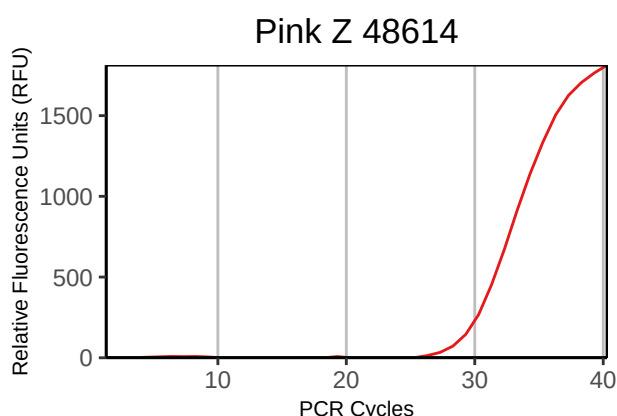
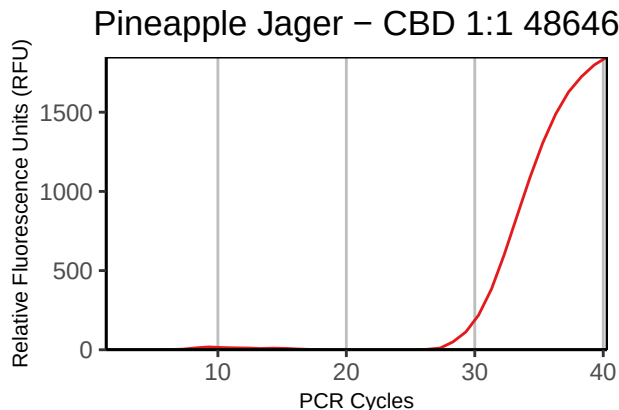
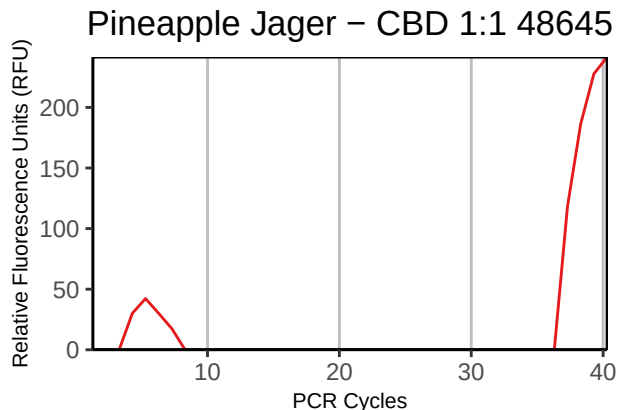
**Amplification Plots:**

RED = Control, GREEN = HLVd

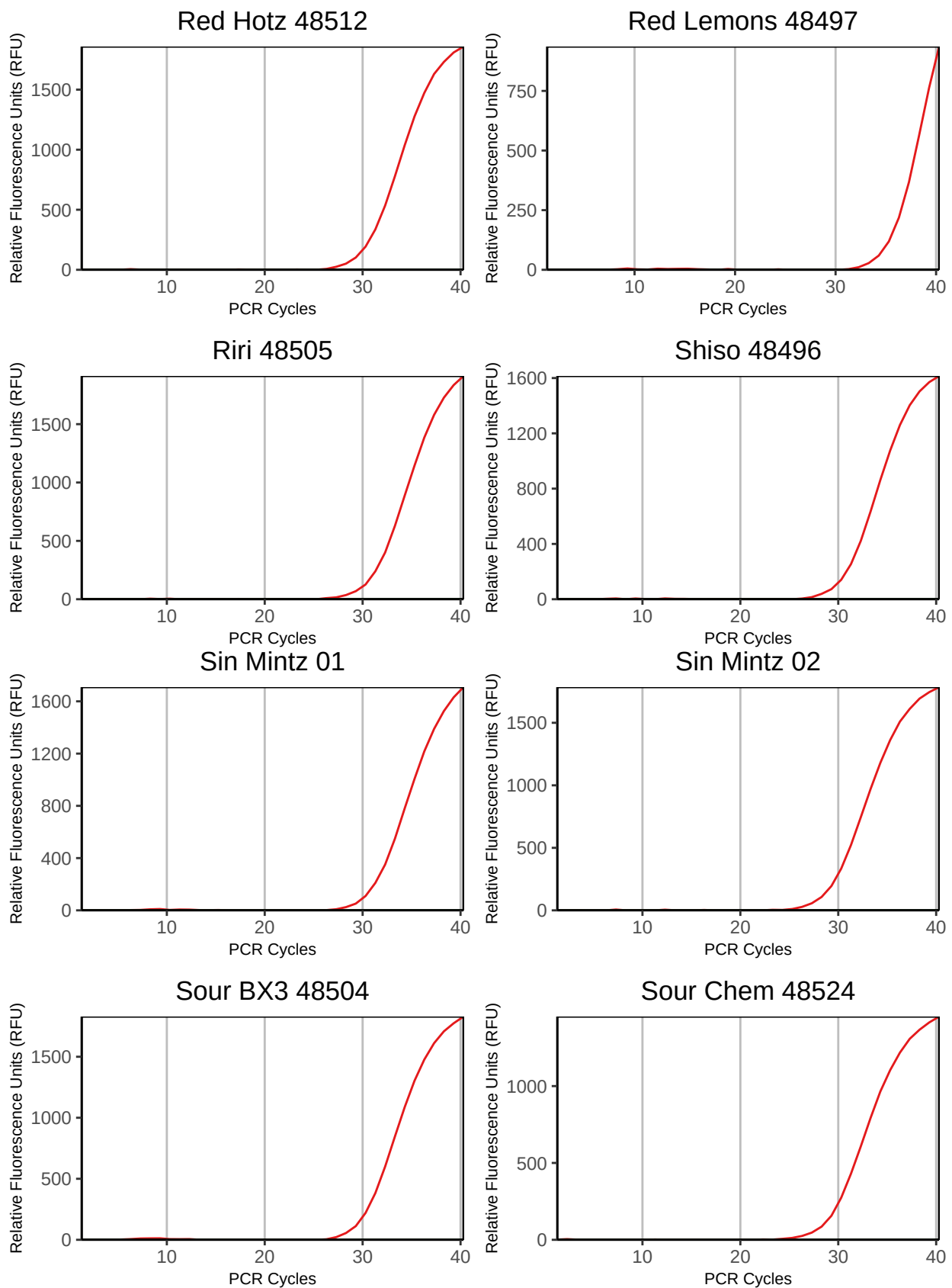
## Hop Latent Viroid



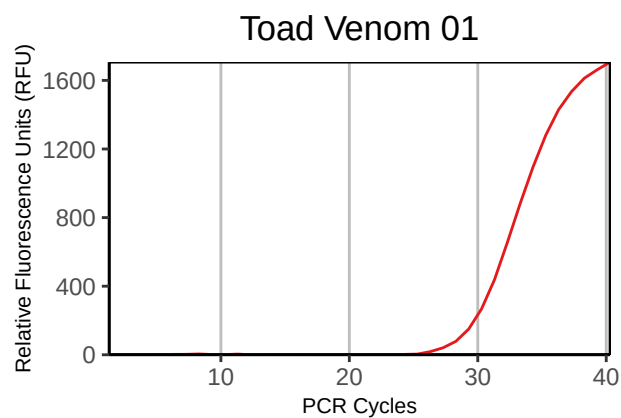
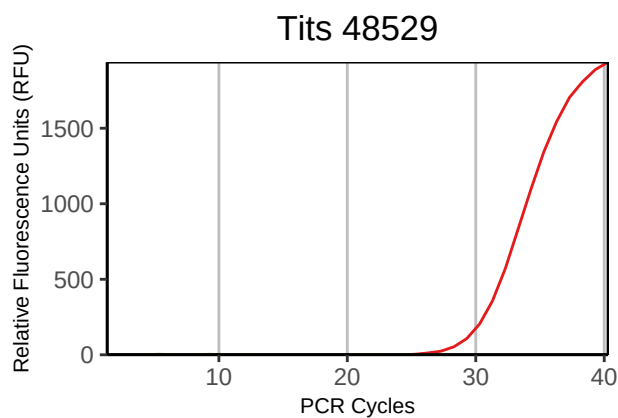
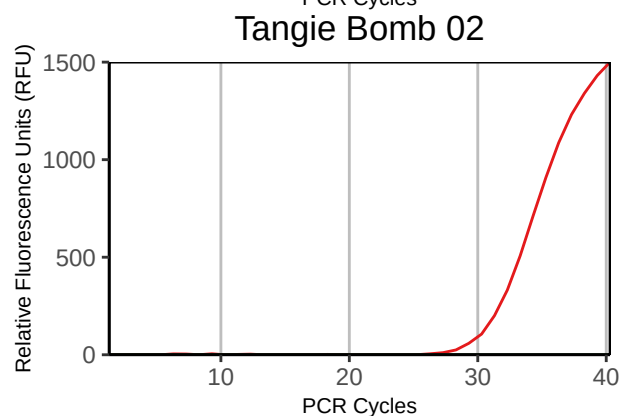
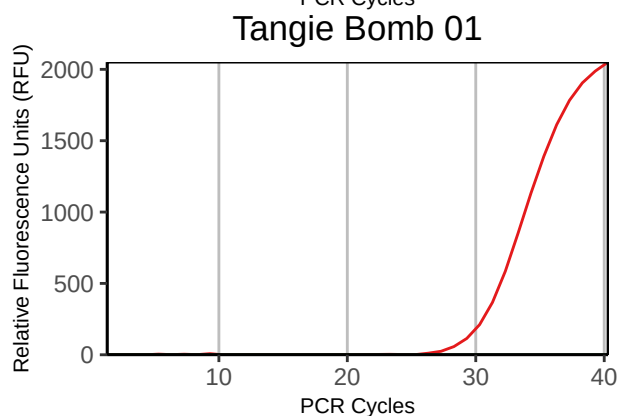
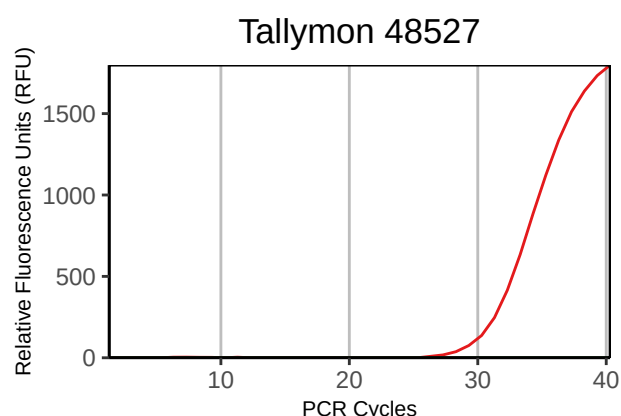
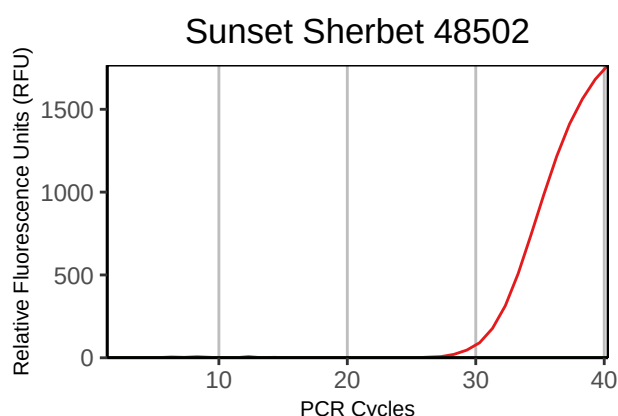
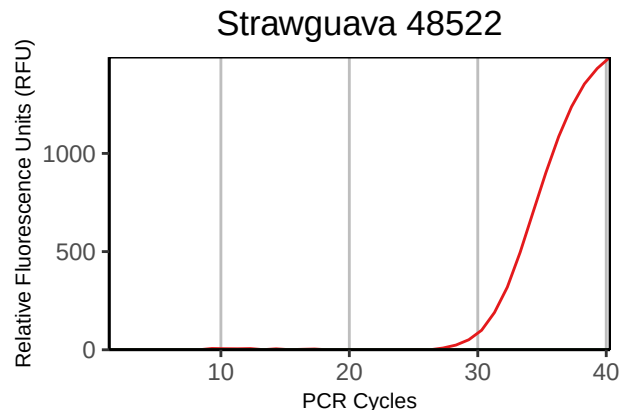
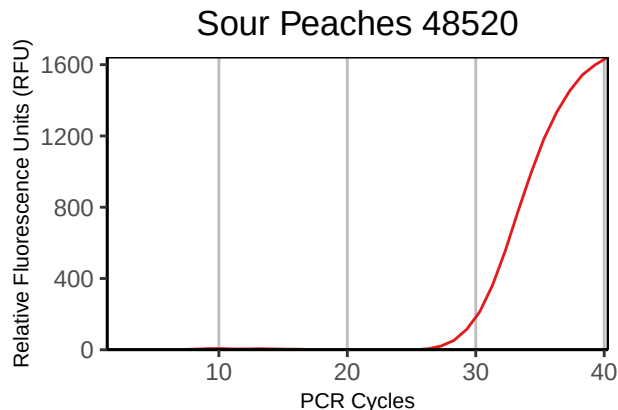
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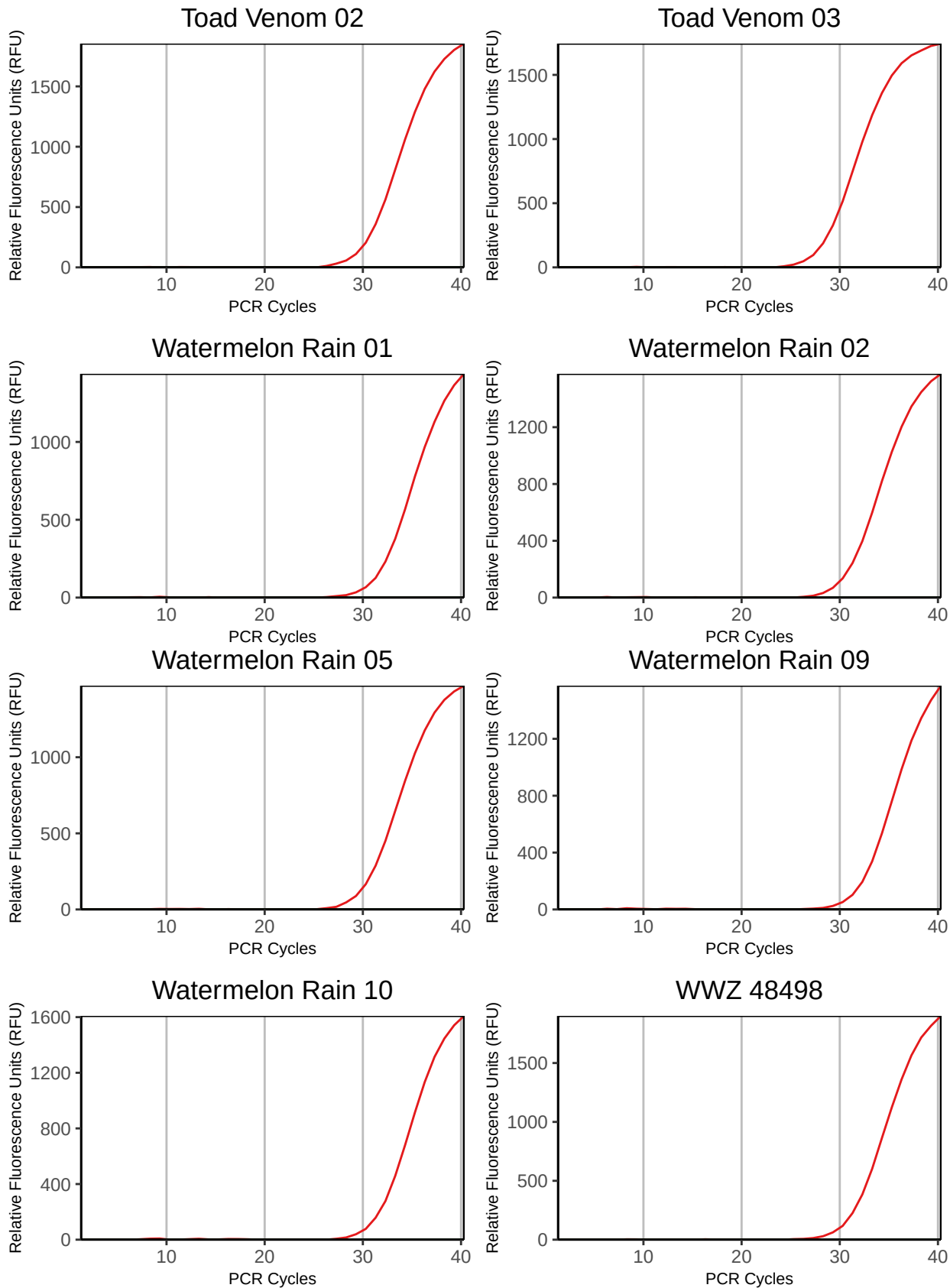
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