



## TaqMan RT-PCR Results

Client: Kaprikorn

Order: KAP96

Target pathogen: Hop Latent Viroid

05 June 2026

## Hops Latent Viroid

## Order details:

Client: Kaprikorn

Target Pathogen: Hops Latent Viroid

Date Sampled: 06/03/2026

Date Received: 06/04/2026

Date Reported: 06/05/2026

Total samples: 81

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                | -       | 25.02 | +           | -             |
| 4Z 01                       | 29.09   | -     | -           | Root          |
| 4Z 02                       | 28.6    | -     | -           | Root          |
| Baby Yoda 48503             | 29.54   | -     | -           | Root          |
| Banana OG 01                | 30.35   | -     | -           | Root          |
| Banana OG 02                | 29.99   | -     | -           | Root          |
| Bangkok Purple 48065        | 29.05   | -     | -           | Root          |
| Bank Roll 01                | 27.11   | -     | -           | Root          |
| Bank Roll 02                | 27.61   | -     | -           | Root          |
| Bank Roll 06                | 27.43   | -     | -           | Root          |
| Bank Roll 09                | 26.82   | -     | -           | Root          |
| Bank Roll 10                | 28.09   | -     | -           | Root          |
| Black Bubblegum Horchata 01 | 27      | -     | -           | Root          |
| Black Bubblegum Horchata 02 | 28.66   | -     | -           | Root          |
| Black Bubblegum Horchata 04 | 25.38   | -     | -           | Root          |
| Black Bubblegum Horchata 05 | 26.91   | -     | -           | Root          |
| Black Bubblegum Horchata 06 | 27.08   | -     | -           | Root          |
| Blue Lobster 48494          | 28.4    | -     | -           | Root          |

## Hop Latent Viroid

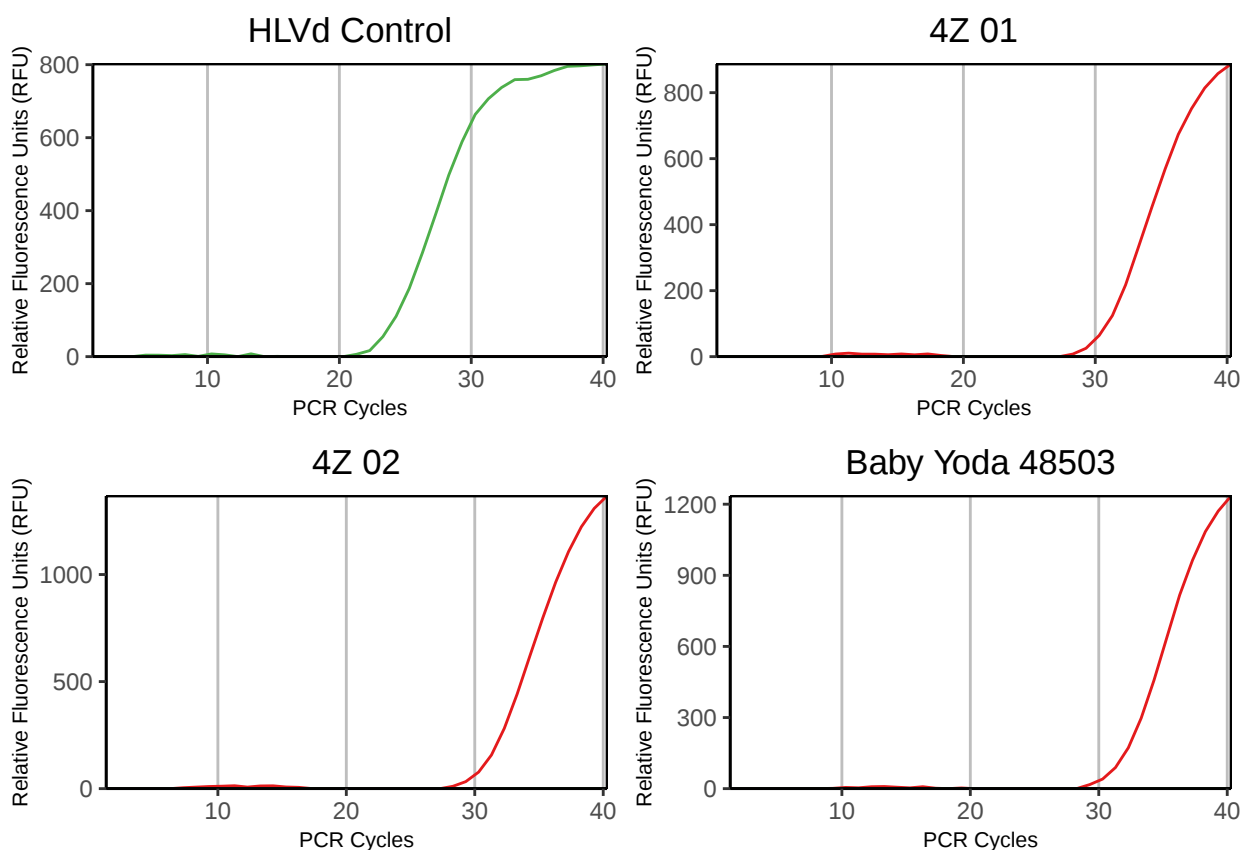
| Sample                  | Control | HLVd | HLVd Status | Sample Tested |
|-------------------------|---------|------|-------------|---------------|
| Blue Nerdz 48411        | 28.34   | -    | -           | Root          |
| Blue Taffeze 01         | 28.18   | -    | -           | Root          |
| Blue Taffeze 02         | 26.41   | -    | -           | Root          |
| Blueberry Sorbet 48513  | 28.07   | -    | -           | Root          |
| Bolinas 01              | 29.35   | -    | -           | Root          |
| Bolinas 02              | 29.84   | -    | -           | Root          |
| Candy Blossom 48144     | 27.49   | -    | -           | Root          |
| Cherry Blossom 48143    | 30.06   | -    | -           | Root          |
| Cold Heat 48493         | 28.15   | -    | -           | Root          |
| Cowboy Candy 01         | 29.08   | -    | -           | Root          |
| Cowboy Candy 02         | 28.09   | -    | -           | Root          |
| Cowboy Candy 05         | 28.6    | -    | -           | Root          |
| Cowboy Candy 09         | 27.68   | -    | -           | Root          |
| Cowboy Candy 10         | 26.07   | -    | -           | Root          |
| Crunch Berries 48521    | 28.58   | -    | -           | Root          |
| D Lish 48506            | 26.34   | -    | -           | Root          |
| Deadhead OG 01          | 27.4    | -    | -           | Root          |
| Deadhead OG 02          | 26.07   | -    | -           | Root          |
| Deadhead OG 03          | 27      | -    | -           | Root          |
| Deadhead OG 04          | 31.76   | -    | -           | Root          |
| Dip N Dots 01           | 29.42   | -    | -           | Root          |
| Dip N Dots 02           | 28.19   | -    | -           | Root          |
| Franchise 01            | 29.61   | -    | -           | Root          |
| Franchise 02            | 29.39   | -    | -           | Root          |
| Galactic Warheads 48501 | 27.72   | -    | -           | Root          |
| Grape Lobzter 48515     | 27.26   | -    | -           | Root          |
| Guava Biscotti 48517    | 29.23   | -    | -           | Root          |
| Guava Peachez 48499     | 27.47   | -    | -           | Root          |
| Guava Tart 01           | 27.05   | -    | -           | Root          |
| Hardcore OG 48509       | 28.19   | -    | -           | Root          |
| Hells Angel OG 48491    | 27.85   | -    | -           | Root          |
| Himothy 48508           | 29.96   | -    | -           | Root          |
| Holy Fuk 01             | 28.48   | -    | -           | Root          |
| Holy Fuk 02             | 29.71   | -    | -           | Root          |
| Hollywood Pure Kush 01  | 27.43   | -    | -           | Root          |
| Hollywood Pure Kush 02  | 27.29   | -    | -           | Root          |
| Honey Runtz 01          | 28.88   | -    | -           | Root          |
| Honey Runtz 02          | 29.86   | -    | -           | Root          |
| Hot Cheetoz 48507       | 28.12   | -    | -           | Root          |
| Jelly Delight 48145     | 27.91   | -    | -           | Root          |
| Lady Pink 01            | 27.48   | -    | -           | Root          |
| Lady Pink 02            | 29.36   | -    | -           | Root          |
| Lantz 48528             | 26.79   | -    | -           | Root          |
| Lemon G 48500           | 29.44   | -    | -           | Root          |
| Limonada de Mango 01    | 28.18   | -    | -           | Root          |
| Limonada de Mango 02    | 26.91   | -    | -           | Root          |
| Limonada de Mango 04    | 27.69   | -    | -           | Root          |
| Limonada de Mango 07    | 28.36   | -    | -           | Root          |
| Limonada de Mango 09    | 27.17   | -    | -           | Root          |
| Lobzter 48525           | 29.14   | -    | -           | Root          |
| Lu lu lemon 48511       | 26.9    | -    | -           | Root          |
| Lychee 48402            | 26.41   | -    | -           | Root          |

## Hop Latent Viroid

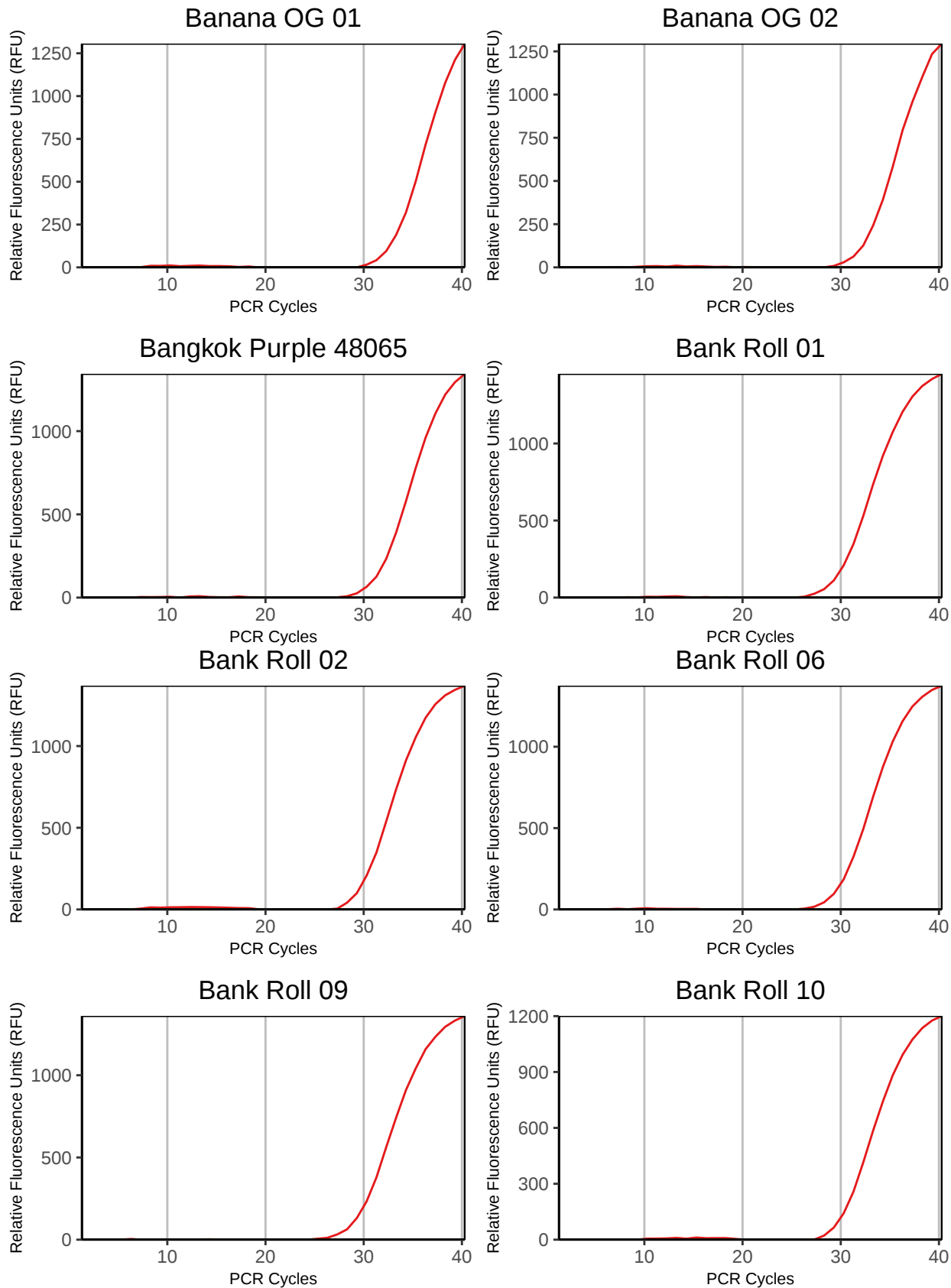
| Sample                  | Control | HLVd | HLVd Status | Sample Tested |
|-------------------------|---------|------|-------------|---------------|
| Malverdes Revenge 01    | 26.37   | -    | -           | Root          |
| Malverdes Revenge 02    | 27.6    | -    | -           | Root          |
| Mile High Shurpee 48142 | 27.64   | -    | -           | Root          |
| OG 48510                | 29.8    | -    | -           | Root          |
| OZK 48410               | 28.49   | -    | -           | Root          |
| Ogkb 48404              | 29.78   | -    | -           | Root          |
| Ogzk 48403              | 29.84   | -    | -           | Root          |
| Oishii 48514            | 27.78   | -    | -           | Root          |
| Orange Starburst 48526  | 28.91   | -    | -           | Root          |
| Paradise Melt 01        | 28.47   | -    | -           | Root          |
| Paradise Melt 02        | 26.52   | -    | -           | Root          |
| Peach Guavaz 48516      | 27.66   | -    | -           | Root          |

## Amplification Plots:

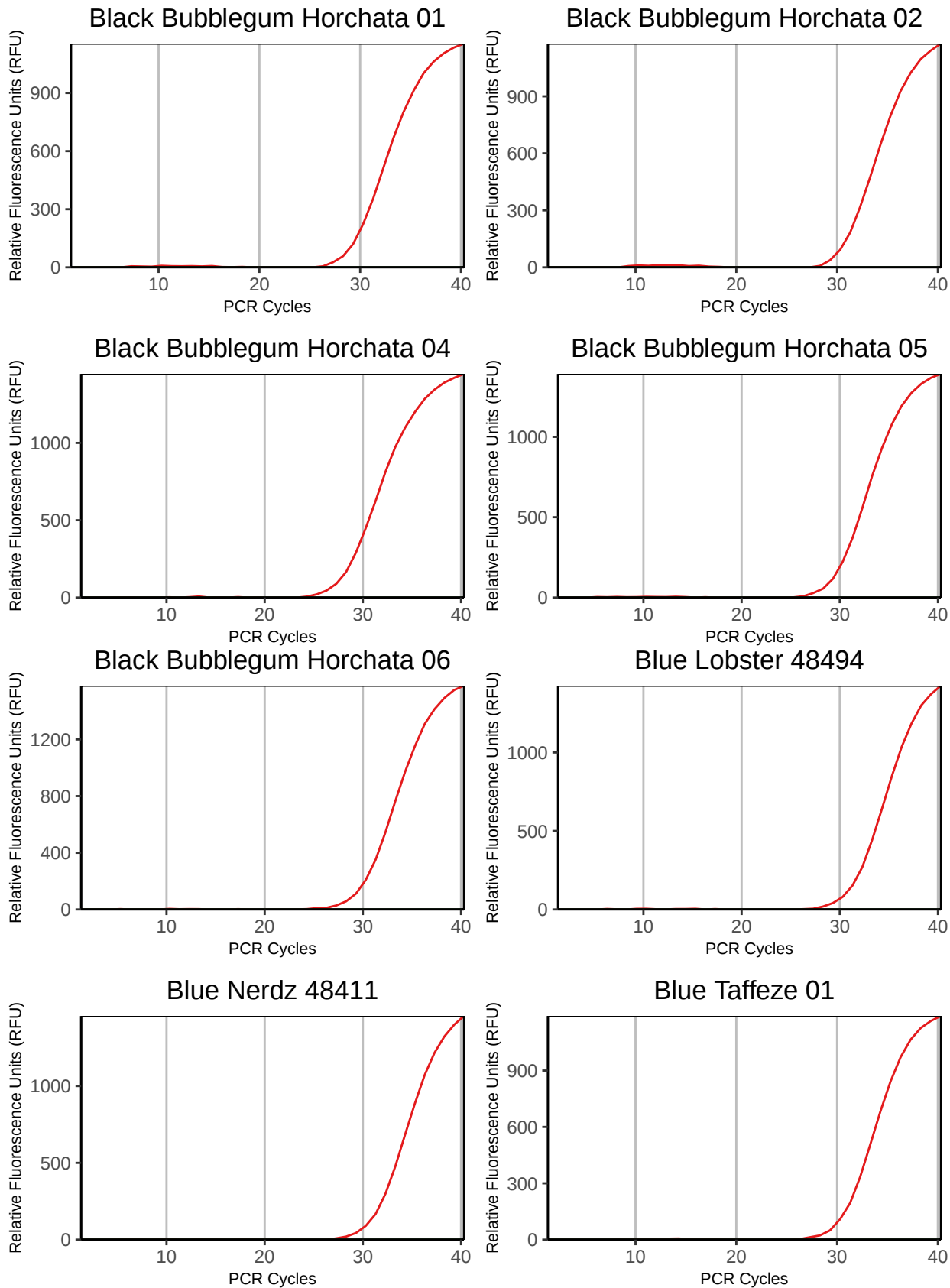
RED = Control, GREEN = HLVd



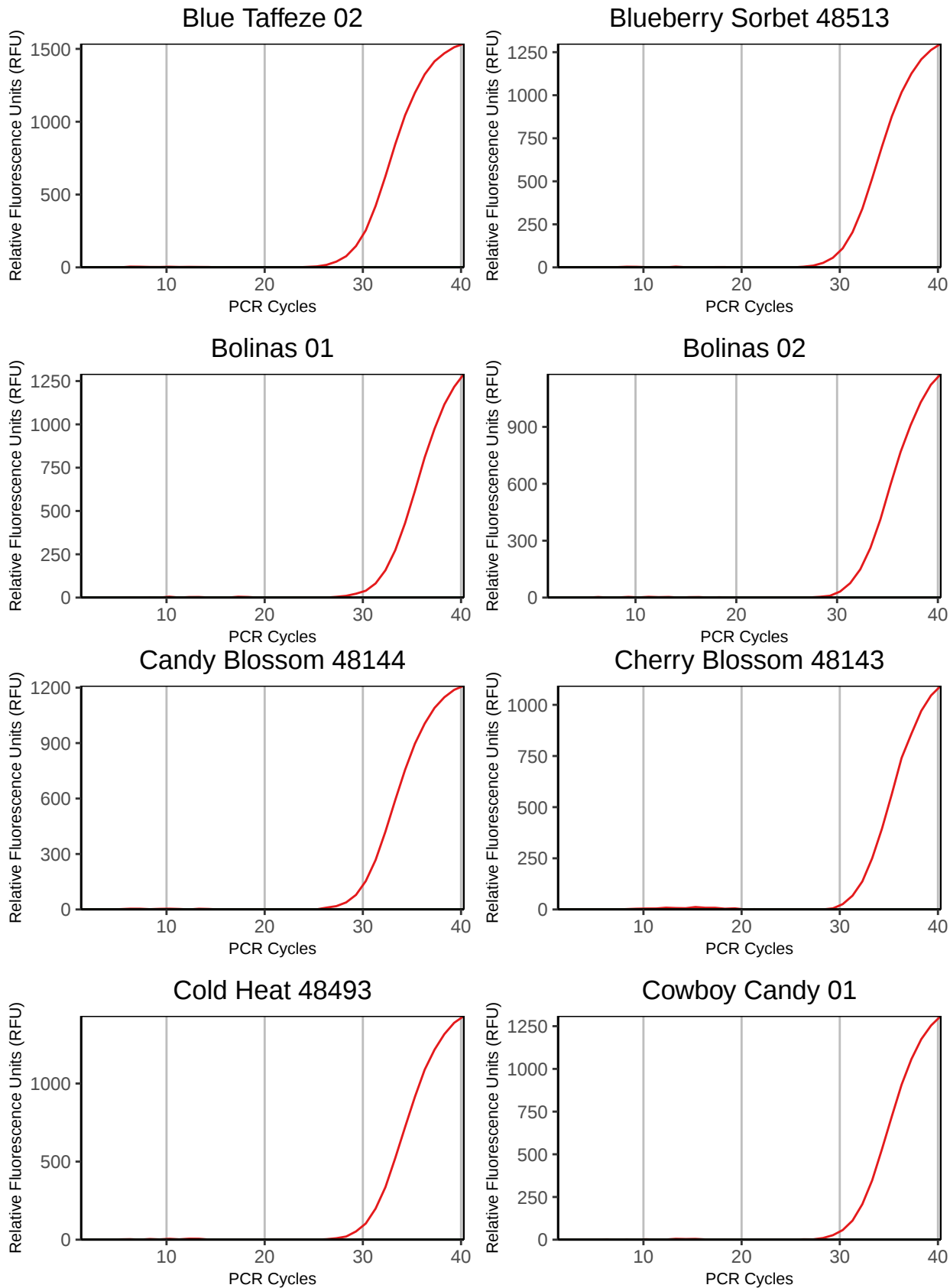
## Hop Latent Viroid



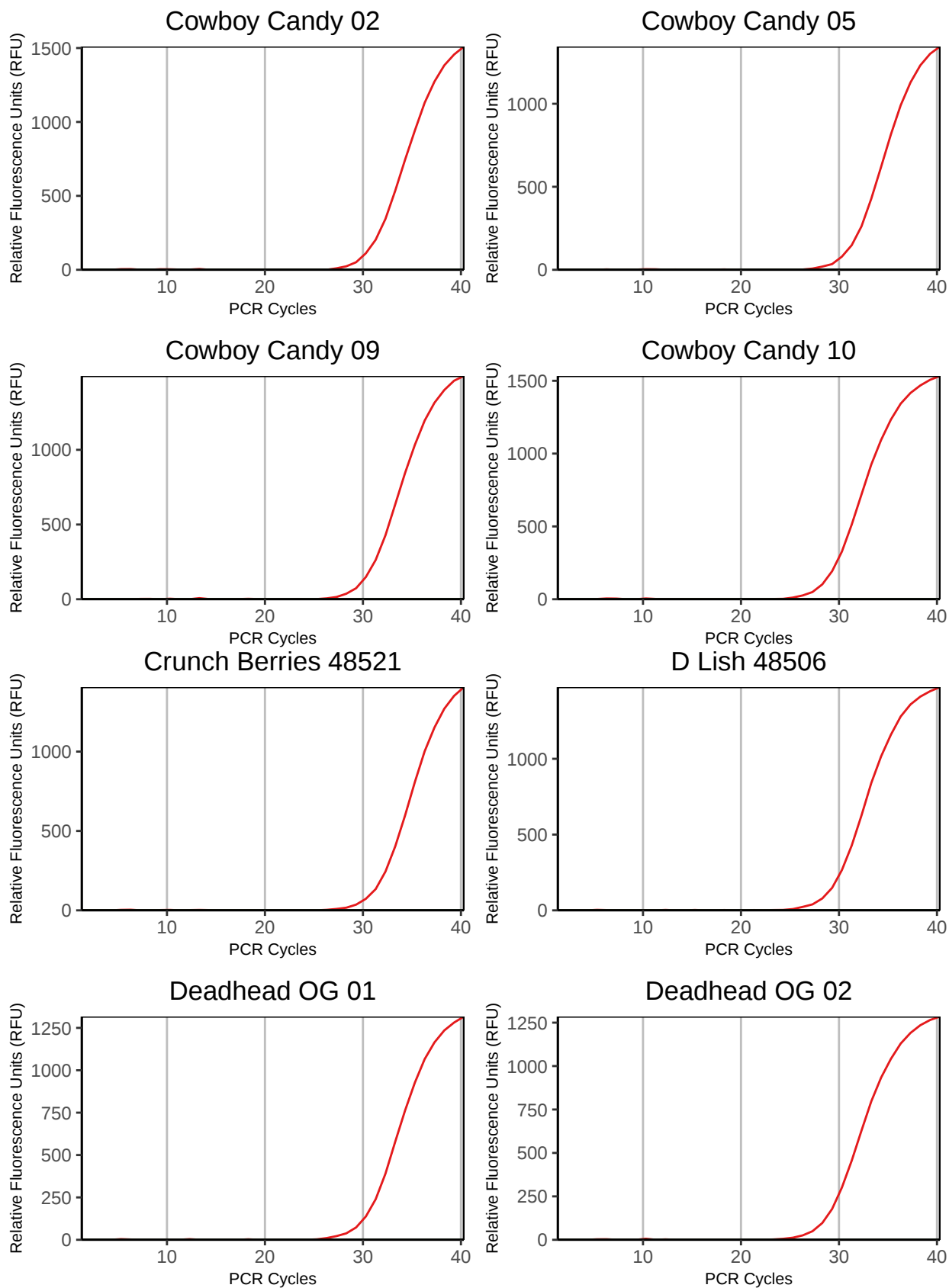
## Hop Latent Viroid



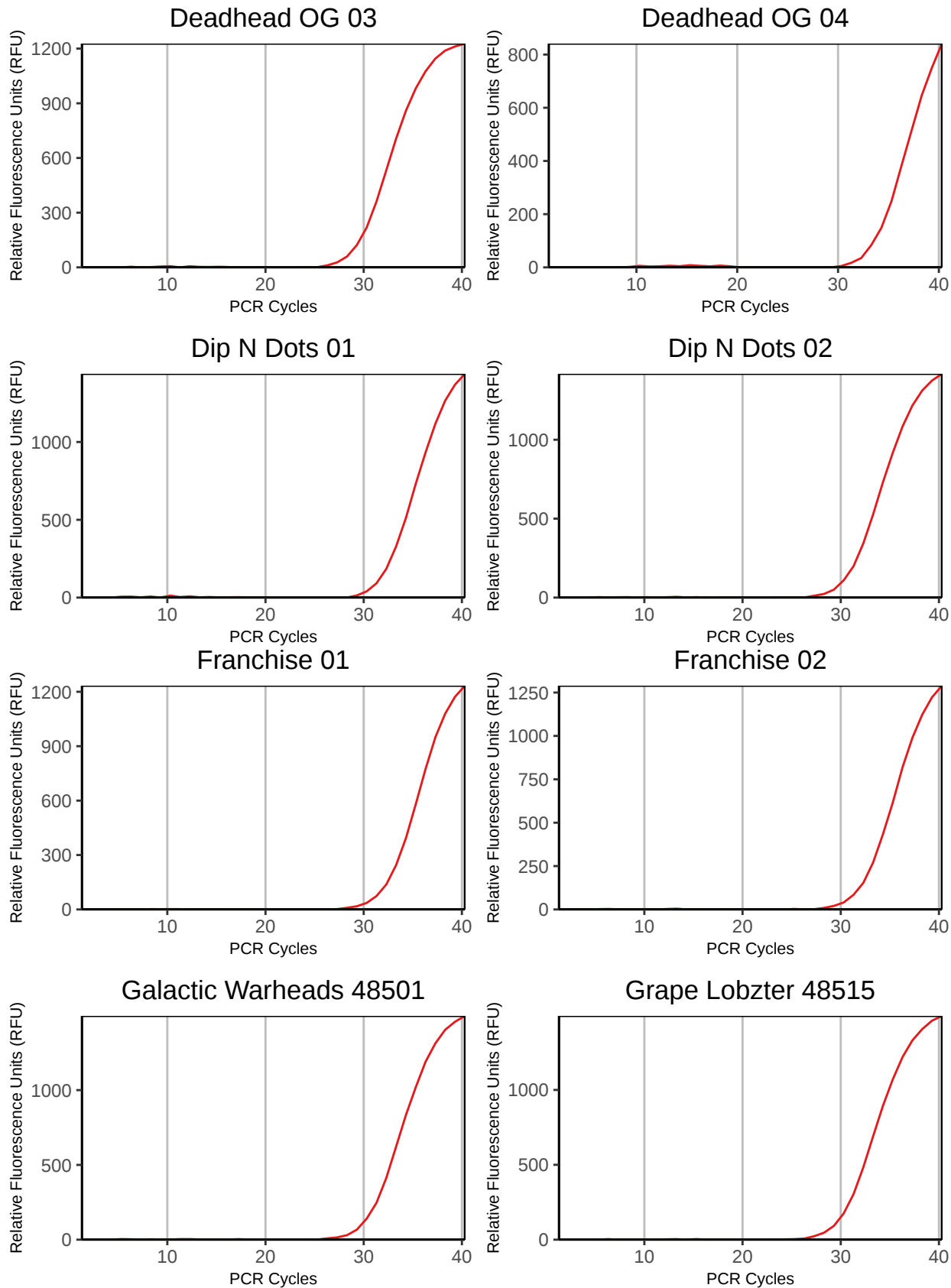
## Hop Latent Viroid



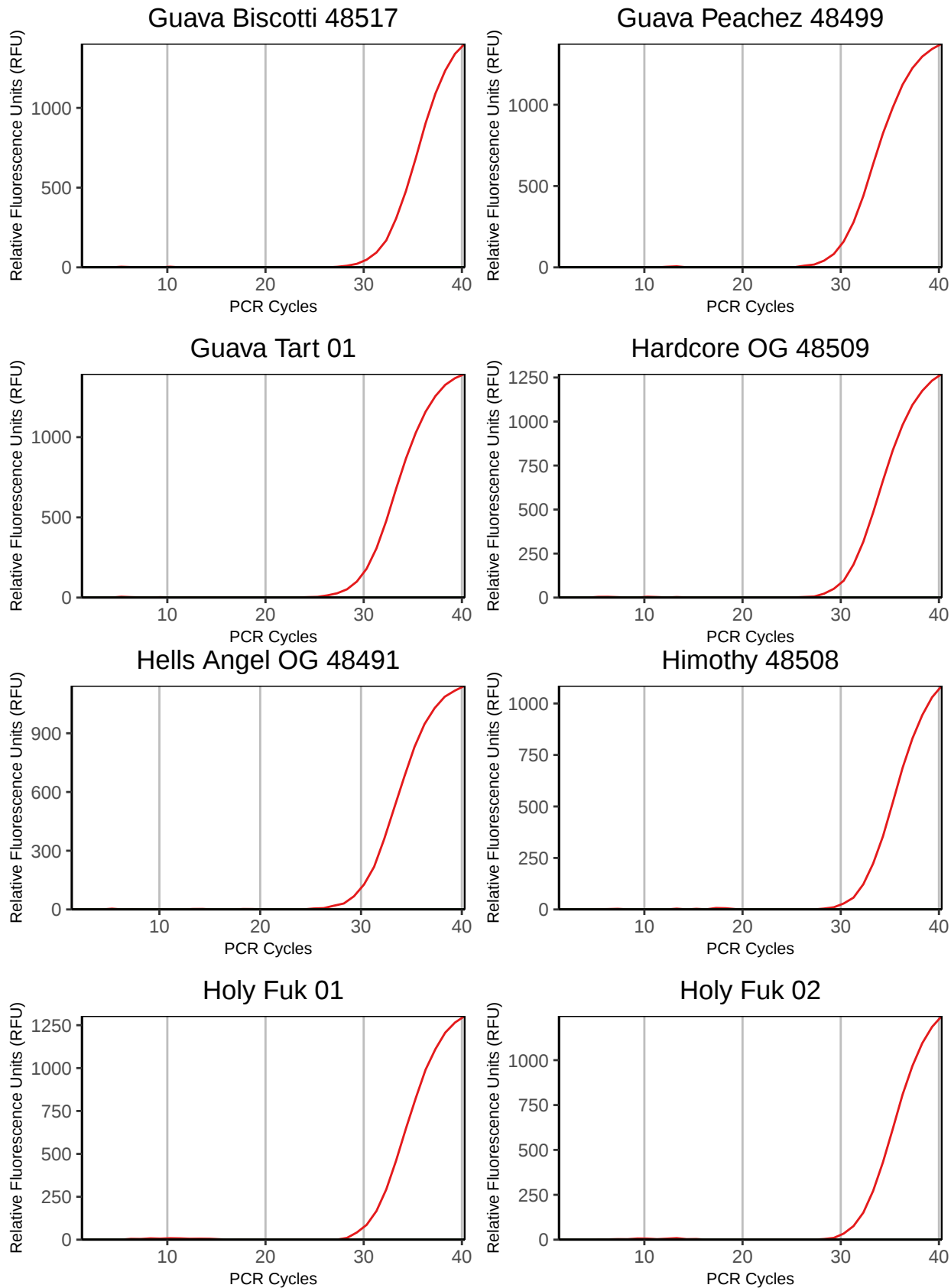
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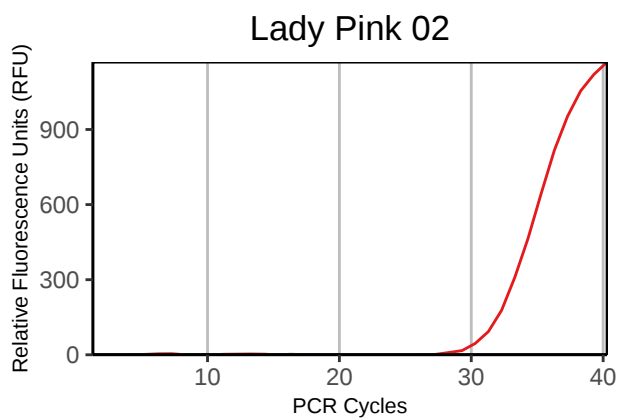
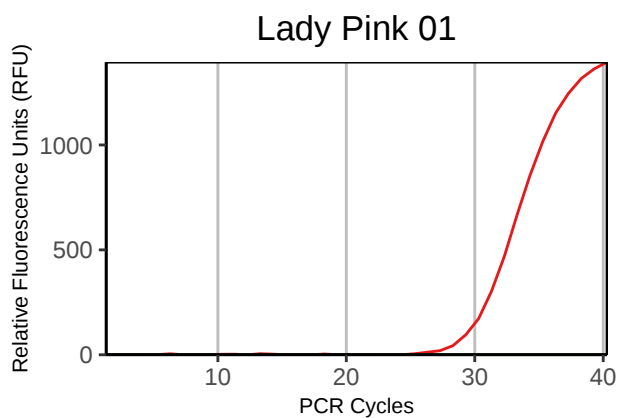
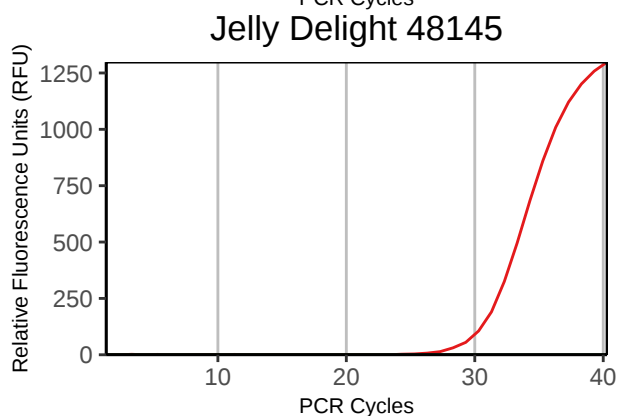
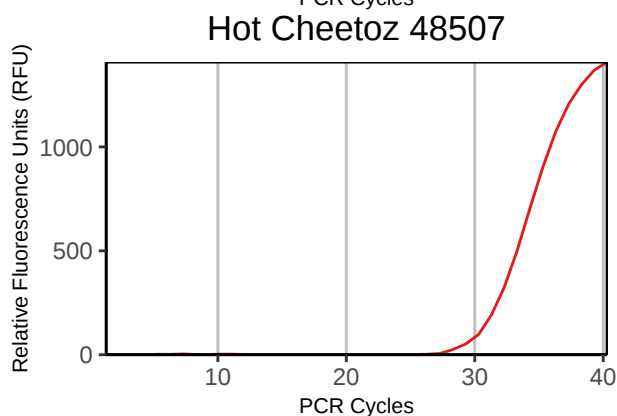
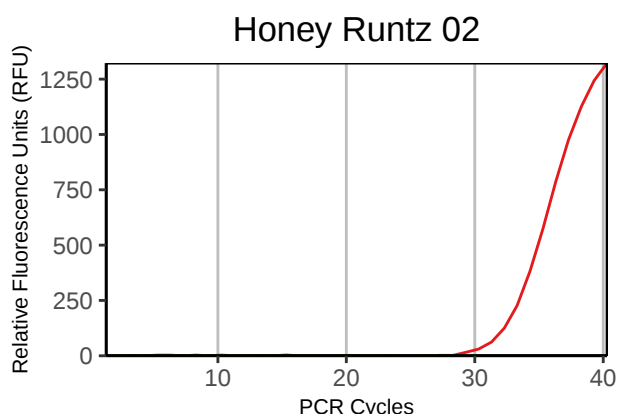
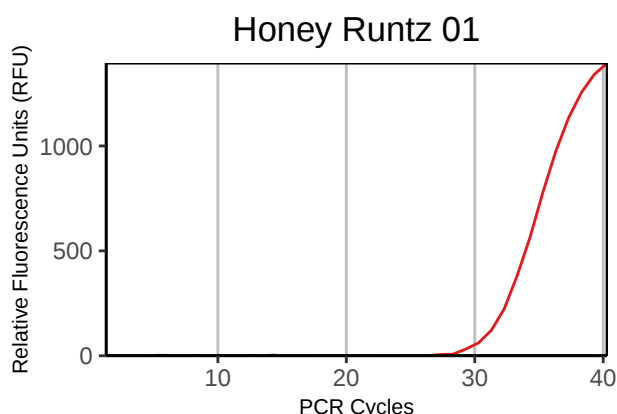
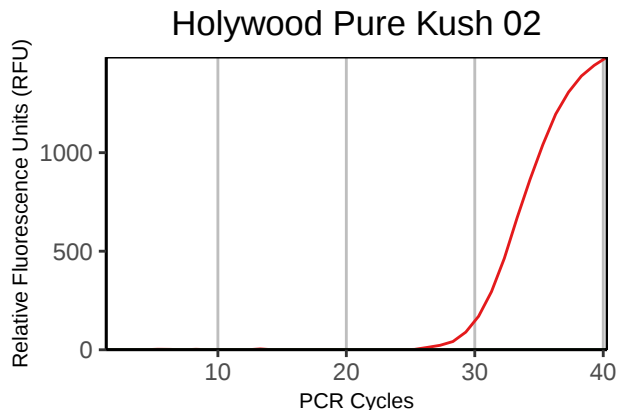
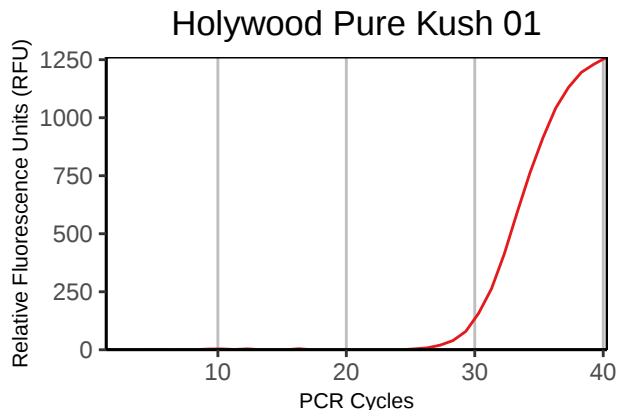
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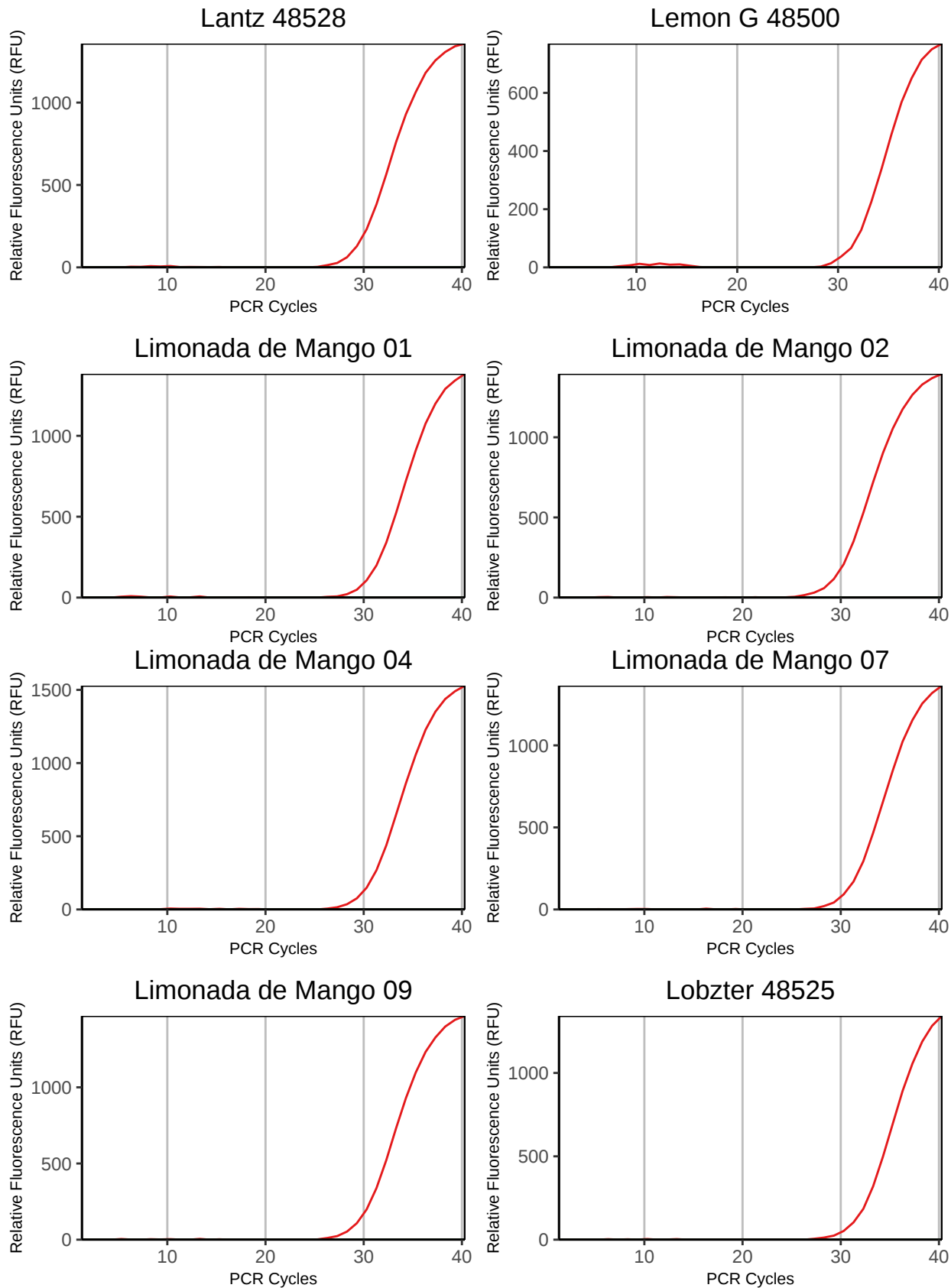
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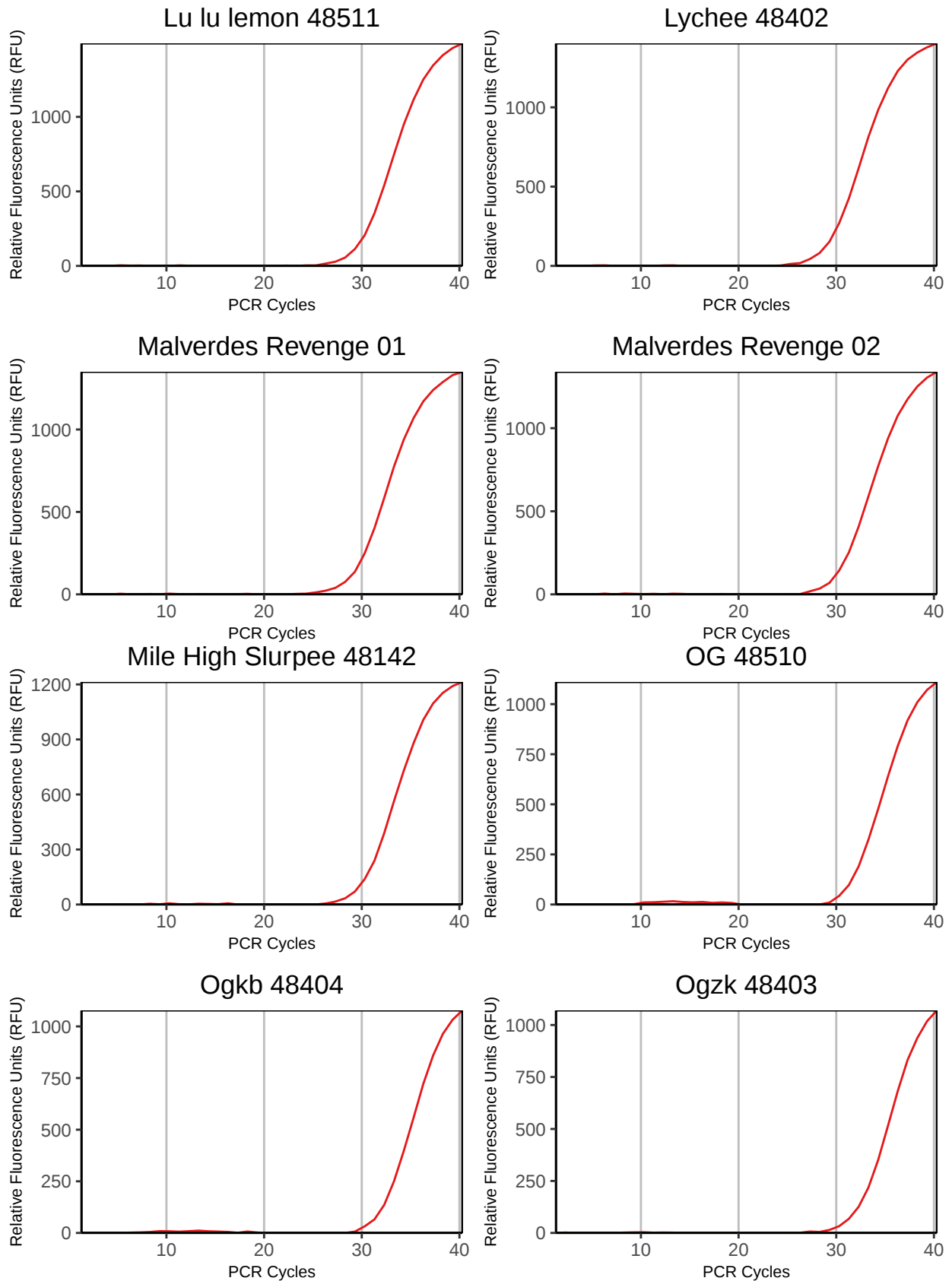
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