



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1959

Target pathogen: Hop Latent Viroid

20 September 2024



**Order details:**

**Client:** Kaprikorn  
**Target Pathogen:** Hop Latent Viroid  
**Date Sampled:** 09/18/2024  
**Date Received:** 09/19/2024  
**Date Reported:** 09/20/2024  
**Total samples:** 42

**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>

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
.Positive 1	-	26.79	-	+
.Positive 2	-	-	29.1	+
Cookie Monster	27.63	-	-	-
Dark Queen #8 01	28.97	-	-	-
Dark Queen #8 02	28.13	-	-	-
Dark Queen #8 05	28.53	-	-	-
Dark Queen #8 09	27.65	-	-	-
Dark Queen #8 11	27.11	-	-	-
Dark Queen #8 12	28.61	-	-	-
Dark Queen #8 15	27.98	-	-	-
Dark Queen #8 17	28.67	-	-	-
Dark Queen #8 19	28.08	-	-	-
Dawg Cake 01	29.53	-	-	-
Dawg Cake 02	28.14	-	-	-
Dawg Cake 03	27.91	-	-	-
Dawg Cake 04	28.17	-	-	-
Dawg Cake 05	29.07	-	-	-
Dawg Cake 06	27.61	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Gorilla Breath 01	28.04	-	-	-
Gorilla Breath 05	28.94	-	-	-
Gorilla Breath 06	28.75	-	-	-
Gorilla Breath 07	29.87	-	-	-
Gorilla Breath 09	26.1	-	-	-
Gorilla Breath 10	25.5	-	-	-
Gorilla Breath 11	26.91	-	-	-
Gorilla Breath 13	27.36	-	-	-
Gorilla Breath 16	28.12	-	-	-
Honey Banana	28.87	-	-	-
Jokers NOS	26.96	-	-	-
Maddfruit	27.36	-	-	-
Moroccan Peaches	29.97	-	-	-
Sub Zero 44074	29.88	-	-	-
Sub Zero 44075	29.84	-	-	-
Sub Zero 44076	25.93	-	-	-
Sub Zero 44077	29.45	-	-	-
Sub Zero 44078	29.64	-	-	-
The Bridge	29.83	-	-	-
Trapzilla 44045	30.18	-	-	-
Trapzilla 44046	28.74	-	-	-
Trop Cherry Runtz 45257	28.72	-	-	-
Trop Cherry Runtz 45258	29.78	-	-	-
Watermelon Wonder 45259	28.55	-	-	-
Watermelon Wonder 45260	28.89	-	-	-
White Fire OG 43773	29.13	-	-	-

### Amplification Plots:

RED = Control, GREEN = HLVd target #1, and BLUE = HLVd target #2













