



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 2059

Target pathogen: Hop Latent Viroid

22 November 2024



**Order details:**

**Client:** Kaprikorn  
**Target Pathogen:** Hop Latent Viroid  
**Date Sampled:** 11/20/2024  
**Date Received:** 11/21/2024  
**Date Reported:** 11/22/2024  
**Total samples:** 32

**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	-	28.09	-	+
.Positive 2	-	-	29.92	+
Strawberry Pie 03	30.27	-	-	-
Strawberry Pie 11	30.64	-	-	-
Strawberry Pie 12	30.09	-	-	-
Strawberry Pie 15	30.89	-	-	-
Strawberry Pie 16	30.88	-	-	-
Strawberry Pie 17	29.46	-	-	-
Strawberry Pie 18	30.79	-	-	-
Strawberry Pie 19	30.53	-	-	-
Strawberry Pie 20	30.58	-	-	-
Stunna Runtz 45381	29.74	-	-	-
Stunna Runtz 45382	30.64	-	-	-
The Bridge 45442	31.51	-	-	-
Trapzilla 44045	30.48	-	-	-
Trapzilla 44046	30.38	-	-	-
Trop Cherry Runtz 45257	31.18	-	-	-
Trop Cherry Runtz 45258	31.38	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Tropicanna Cherries 45493	29.93	-	-	-
Tropicanna Cherries 45494	30.25	-	-	-
Tropicanna Cherries 45495	29.79	-	-	-
Tropicanna Cherries 45496	30.91	-	-	-
Tropicanna Cherries 45497	30.8	-	-	-
Watermelon Wonder 45259	30.96	-	-	-
Watermelon Wonder 45260	29	-	-	-
White Fire OG 01	31.15	-	-	-
White Fire OG 02	31.59	-	-	-
White Fire OG 07	30.93	-	-	-
White Fire OG 08	30.88	-	-	-
White Fire OG 11	31.11	-	-	-
White Fire OG 14	31.27	-	-	-
White Fire OG 16	31.95	-	-	-
White Fire OG 17	31.2	-	-	-
White Fire OG 19	30.94	-	-	-

**Amplification Plots:**

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









