



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1646

Target pathogen: Hop Latent Viroid

05 April 2024



**Order details:**

**Client:** Kaprikorn  
**Target Pathogen:** Hop Latent Viroid  
**Date Sampled:** 04/03/2024  
**Date Received:** 04/04/2024  
**Date Reported:** 04/05/2024  
**Total samples:** 33

**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	-	27.88	-	+
.Positive 2	-	-	29.5	+
818 Headband 01 A	28.14	-	-	-
Big Detroit Energy 01 A	27.9	-	-	-
Dante's Cookie Jar 01 A	30.09	-	-	-
Devil's Den #1 04 A	29.51	-	-	-
Drama Queen 02 A	26.41	-	-	-
Lizard Burger #8 01 A	28.12	-	-	-
Lizard Burger #8 02 A	28.57	-	-	-
Lizard Burger #8 03 A	28.99	-	-	-
Lizard Burger #8 04 A	27.91	-	-	-
Lizard Burger #8 05 A	28.52	-	-	-
Lizard Burger #8 06 A	27.2	-	-	-
Lizard Burger #8 07 A	23.52	-	-	-
Lizard Burger #8 08 A	27.69	-	-	-
Lizard Burger #8 09 A	30.23	-	-	-
Lizard Burger #8 10 A	27.26	-	-	-
SFV x Pakistani #10 04 A	27.08	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
SFV x Pakistani #5 03 A	26.84	-	-	-
Supreme Lee-Hi 01 A	26.25	-	-	-
Supreme Lee-Hi 02 A	28.06	-	-	-
Supreme Lee-Hi 03 A	25.97	-	-	-
Supreme Lee-Hi 04 A	28.21	-	-	-
Supreme Lee-Hi 05 A	27.86	-	-	-
Supreme Lee-Hi 06 A	26.75	-	-	-
Supreme Lee-Hi 07 A	31.72	-	-	-
Supreme Lee-Hi 10 A	26.69	-	-	-
Trap Fuel 01 A	25	-	-	-
Trap Fuel 02 A	25.17	-	-	-
Trap Fuel 03 A	24.69	-	-	-
Trap Fuel 04 A	24.63	-	-	-
Trap Fuel 06 A	27.57	-	-	-
Trap Fuel 07 A	25.18	-	-	-
Trap Fuel 08 A	24.12	-	-	-
Trap Fuel 09 A	25.67	-	-	-

**Amplification Plots:**

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









