



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1516

Target pathogen: Hop Latent Viroid

02 February 2024



**Order details:**

**Client:** Kaprikorn  
**Target Pathogen:** Hop Latent Viroid  
**Date Sampled:** 01/31/2024  
**Date Received:** 02/01/2024  
**Date Reported:** 02/02/2024  
**Total samples:** 76

**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	-	27.28	-	+
.Positive 2	-	-	26.56	+
Black Amber 42021	27.78	-	-	-
Blue Dream 01 A	26.9	-	-	-
Blue Dream 02 A	26.07	-	-	-
Blue Dream 03 A	25.4	-	-	-
Blue Dream 04 A	26.08	-	-	-
Blue Dream 05 A	25.8	-	-	-
Blue Dream 06 A	29.08	-	-	-
Blue Dream 07 A	27.05	-	-	-
Blue Dream 08 A	26.57	-	-	-
Blue Dream 09 A	27.1	-	-	-
Blue Dream 10 A	25.81	-	-	-
Blue Dream 11 A	25.14	-	-	-
Blue Dream 12 A	25.02	-	-	-
Blue Dream 13 A	28.52	-	-	-
Blue Dream 14 A	27.97	-	-	-
Blue Dream 15 A	29.81	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Blue Dream 16 A	29.19	-	-	-
Blue Dream 17 A	25.86	-	-	-
Carbon Fiber 04 A	27.81	-	-	-
Carbon Fiber 06 A	27.28	-	-	-
Carbon Fiber 07 A	27.36	-	-	-
Carbon Fiber 09 A	25.98	-	-	-
Carbon Fiber 11 A	27.78	-	-	-
Carbon Fiber 13 A	23.85	-	-	-
Carbon Fiber 18 A	27.83	-	-	-
Carbon Fiber 20 A	26.13	-	-	-
CF 50 42003	27.49	-	-	-
CF 50 42004	28.96	-	-	-
Cherry Dosidos 42020	28.86	-	-	-
College Park 01 A	26.48	-	-	-
College Park 03 A	25.68	-	-	-
College Park 04 A	26.35	-	-	-
College Park 08 A	26.14	-	-	-
College Park 09 A	26.94	-	-	-
Cream Filling 01 A	24.66	-	-	-
Cream Filling 06 A	26.45	-	-	-
Cream Filling 11 A	26.64	-	-	-
Cream Filling 12 A	24.86	-	-	-
Cream Filling 13 A	26.29	-	-	-
CW-6S 42005	25.86	-	-	-
Frozen Rose 42139	30.89	-	-	-
Frozen Rose 42140	27.49	-	-	-
Frozen Rose 42141	28.11	-	-	-
Frozen Rose 42142	26.49	-	-	-
Frozen Rose 42156	28.3	-	-	-
GG4 41683	29.04	-	-	-
Lemon Cherry Gelato 42016	28.55	-	-	-
Lemon Cherry Gelato 42017	29.65	-	-	-
Lemon Cherry Gelato 42018	30.55	-	-	-
Lemon Cherry Gelato 42019	27.45	-	-	-
NF 90 42002	26.48	-	-	-
NF 90 42037	27.73	-	-	-
Noize Complaint 42103	28.95	-	-	-
Noize Complaint 42104	27.99	-	-	-
Noize Complaint 42105	30.09	-	-	-
Noize Complaint 42106	27.28	-	-	-
Noize Complaint 42107	27.55	-	-	-
Permanent Marker 41682	30.2	-	-	-
Permanent Marker 41968	28.13	-	-	-
Permanent Marker 41969	29.41	-	-	-
Permanent Marker 41970	27.61	-	-	-
Permanent Marker 41971	26.47	-	-	-
Permanent Marker 41972	27.73	-	-	-
Pink Trufflez 41973	28.03	-	-	-
Pink Trufflez 41974	28.28	-	-	-
Pink Trufflez 41975	26.48	-	-	-
Pink Trufflez 41976	28.99	-	-	-
Pink Trufflez 41977	30.05	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Redneck Bubba 42076	26.67	-	-	-
Redneck Bubba 42077	27.74	-	-	-
Redneck Bubba 42078	27.35	-	-	-
Redneck Bubba 42079	28.79	-	-	-
Redneck Bubba 42080	28.43	-	-	-
Studio 54 41521	30.38	-	-	-
Studio 54 41522	28.83	-	-	-
Studio 54 41681	31.81	-	-	-

**Amplification Plots:**

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























