



# GENIELAB

TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1299

Target pathogen: Hop Latent Viroid

15 June 2023

**Order details:**

**Client:** Kaprikorn  
**Target Pathogen:** Hop Latent Viroid  
**Date Sampled:** 06/14/23  
**Date Received:** 06/15/23  
**Date Reported:** 06/16/23  
**Total samples:** 88

**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	-	26.2	-	+
.Positive 2	-	-	26.39	+
Cap Junky 04 A	30.37	-	-	-
Cap Junky 05 A	30.1	-	-	-
Cap Junky 07 A	29.74	-	-	-
Cheetah Piss 01 A	30.75	-	-	-
Cheetah Piss 09 A	30.95	-	-	-
Cheetah Piss 11 A	29.36	-	-	-
Cheetah Piss 12 A	25.82	-	-	-
Cheetah Piss 13 A	25.28	-	-	-
Collins Ave 01 A	26.23	-	-	-
Collins Ave 09 A	27.3	-	-	-
Collins Ave 10 A	30.69	-	-	-
Collins Ave 14 A	30.11	-	-	-
Collins Ave 15 A	27.55	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Divine Banana 01 A	28.02	-	-	-
Divine Banana 05 A	25.49	-	-	-
Divine Banana 08 A	27.71	-	-	-
Divine Banana 09 A	27.44	-	-	-
Divine Banana 12 A	26.17	-	-	-
Emergency 02 A	27.21	-	-	-
Emergency 03 A	26.14	-	-	-
Emergency 06 A	25.68	-	-	-
Emergency 07 A	26.3	-	-	-
Emergency 15 A	25.5	-	-	-
Forbidden RNTZ 04 A	26.22	-	-	-
Forbidden RNTZ 05 A	24.63	-	-	-
Forbidden RNTZ 09 A	27.75	-	-	-
Forbidden RNTZ 12 A	24.73	-	-	-
Forbidden RNTZ 14 A	27.27	-	-	-
Gas Face #1 02 A	25.97	-	-	-
Gas Face #1 06 A	25.58	-	-	-
Gas Face #1 09 A	27.71	-	-	-
Georgia Cheesecake 03 A	27.16	-	-	-
Georgia Cheesecake 08 A	28.3	-	-	-
Georgia Cheesecake 10 A	26.14	-	-	-
Georgia Cheesecake 11 A	29.56	-	-	-
Georgia Cheesecake 12 A	26.14	-	-	-
Gush Mints 04 A	26.41	-	-	-
Gush Mints 06 A	24.88	-	-	-
Gush Mints 07 A	26.29	-	-	-
Gush Mints 09 A	26.19	-	-	-
Pink CRTZ 05 A	28.04	-	-	-
Pink CRTZ 08 A	26.46	-	-	-
Pink CRTZ 10 A	27.43	-	-	-
Purple Octane 01 A	26.8	-	-	-
Purple Octane 04 A	27.29	-	-	-
Purple Octane 07 A	23.36	-	-	-
Purple Octane 13 A	25.53	-	-	-
Purple Octane 14 A	26.49	-	-	-
Purple Octane 15 A	25.62	-	-	-
Purple Push P 05 A	25.29	-	-	-
Purple Push P 06 A	25.01	-	-	-
Purple Push P 08 A	28.14	-	-	-
Purple Push P 09 A	25.29	-	-	-
RS-11 02 A	26.37	-	-	-
RS-11 03 A	25.47	-	-	-
RS-11 04 A	28.06	-	-	-
RS-11 07 A	26.47	-	-	-
RS-11 10 A	27.49	-	-	-
RS-11 14 A	27.18	-	-	-
Tang Breath 02 A	27.32	-	-	-
Tang Breath 03 A	26.23	-	-	-
Tang Breath 08 A	25.95	-	-	-
The Emerald Cut 01 A	25.31	-	-	-
The Emerald Cut 03 A	25.55	-	-	-
The Emerald Cut 07 A	25.12	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
The Emerald Cut 08 A	24.6	-	-	-
The Emerald Cut 10 A	26.5	-	-	-
The Emerald Cut 13 A	26.15	-	-	-
Tropicanna Cherries 02 A	25.73	-	-	-
Tropicanna Cherries 03 A	28.81	-	-	-
Tropicanna Cherries 04 A	29.6	-	-	-
Wappa 01 A	27.08	-	-	-
Wappa 03 A	25.88	-	-	-
Wappa 05 A	26.86	-	-	-
Wappa 06 A	26.73	-	-	-
Wappa 10 A	25.09	-	-	-
Wappa 15 A	26.56	-	-	-
Wonder Dawg 03 A	29.46	-	-	-
Wonder Dawg 05 A	27	-	-	-
Wonder Dawg 06 A	26.29	-	-	-
Wonder Dawg 08 A	26.88	-	-	-
Wonder Dawg 09 A	26.49	-	-	-
Wonder Dawg 13 A	25.36	-	-	-
Zazhimi 02 A	27.72	-	-	-
Zazhimi 03 A	28.55	-	-	-
Zazhimi 04 A	28.77	-	-	-
Zazhimi 05 A	27.29	-	-	-
Zazhimi 12 A	25.38	-	-	-

### Amplification Plots:

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



















































