



# GENIELAB

TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1340

Target pathogen: Hop Latent Viroid

28 July 2023

**Order details:****Client:** Kaprikorn**Target Pathogen:** Hop Latent Viroid**Date Sampled:** 07/26/2023**Date Received:** 07/27/2023**Date Reported:** 07/28/2023**Total samples:** 93**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	-	22.87	-	+
.Positive 2	-	-	28	+
Black Scotti 06 A	24.22	-	-	-
Black Scotti 07 A	25.44	-	-	-
Black Scotti 12 A	27.3	-	-	-
Black Scotti 14 A	28.04	-	-	-
Black Scotti 15 A	25.05	-	-	-
Carbon Fiber 04 A	27.17	-	-	-
Carbon Fiber 09 A	27.24	-	-	-
Carbon Fiber 10 A	27.08	-	-	-
Carbon Fiber 14 A	25.08	-	-	-
Carbon Fiber 15 A	27.25	-	-	-
Carbon Fiber 16 A	27.87	-	-	-
Gary Payton 03 A	26.84	-	-	-
Gary Payton 05 A	28.6	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Gary Payton 08 A	25.28	-	-	-
Gary Payton 10 A	25.24	-	-	-
Gary Payton 11 A	27.34	-	-	-
Gary Payton 14 A	28.85	-	-	-
Georgia Pie 03 A	24.59	-	-	-
Georgia Pie 06 A	25.59	-	-	-
Georgia Pie 10 A	25.63	-	-	-
Georgia Pie 14 A	25.73	-	-	-
Georgia Pie 15 A	25.28	-	-	-
Grape Animals 02 A	24.27	-	-	-
Grape Animals 04 A	24.94	-	-	-
Grape Animals 06 A	24.41	-	-	-
Grape Animals 08 A	23.89	-	-	-
Ice Cream Cake 04 A	25.25	-	-	-
Ice Cream Cake 06 A	28.59	-	-	-
Ice Cream Cake 07 A	25.69	-	-	-
Ice Cream Cake 09 A	27.94	-	-	-
Ice Cream Cake 15 A	28.92	-	-	-
Jelly Donutz 02 A	24.75	-	-	-
Jelly Donutz 04 A	24.81	-	-	-
Jelly Donutz 07 A	26.93	-	-	-
Jelly Donutz 13 A	26.91	-	-	-
Jelly Donutz 18 A	24.77	-	-	-
Jelly Donutz 20 A	25.13	-	-	-
Lemon Pastries 03 A	24.4	-	-	-
Lemon Pastries 05 A	27.22	-	-	-
Lemon Pastries 06 A	28.28	-	-	-
Lemon Pastries 08 A	29.24	-	-	-
Lemon Pastries 09 A	27.96	-	-	-
London Pound Cake #97 01 A	28.89	-	-	-
London Pound Cake #97 06 A	28.13	-	-	-
London Pound Cake #97 09 A	25.26	-	-	-
London Pound Cake #97 12 A	24.93	-	-	-
London Pound Cake #97 13 A	26.53	-	-	-
Mac 1 01 A	26.16	-	-	-
Mac 1 04 A	24.62	-	-	-
Mac 1 07 A	25.74	-	-	-
Mac 1 11 A	27.76	-	-	-
Mac 1 13 A	26.78	-	-	-
Modified Grapes 03 A	26.52	-	-	-
Modified Grapes 05 A	25.18	-	-	-
Modified Grapes 10 A	28.25	-	-	-
Modified Grapes 13 A	24.58	-	-	-
Ooh La La 01 A	28.07	-	-	-
Ooh La La 03 A	24.82	-	-	-
Ooh La La 05 A	24.72	-	-	-
Ooh La La 11 A	25.11	-	-	-
Ooh La La 15 A	25.61	-	-	-
Purple Push P 01 A	25.21	-	-	-
Purple Push P 03 A	25.34	-	-	-
Purple Push P 05 A	27.67	-	-	-
Purple Push P 08 A	25.63	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Southern Sugar 40175	29.8	-	-	-
Southern Sugar 40176	26.72	-	-	-
Southern Sugar 40177	27.04	-	-	-
Southern Sugar 40178	25.92	-	-	-
Southern Sugar 40179	28.56	-	-	-
The Soap 02 A	25.27	-	-	-
The Soap 06 A	25.01	-	-	-
The Soap 13 A	24.28	-	-	-
The Soap 14 A	25.06	-	-	-
The Soap 16 A	25.57	-	-	-
The Soap 19 A	27.9	-	-	-
Tokyo Snow 40180	27.07	-	-	-
Tokyo Snow 40181	30.14	-	-	-
Tokyo Snow 40182	30.89	-	-	-
Tokyo Snow 40183	28.28	-	-	-
Tokyo Snow 40184	28.5	-	-	-
Watermelon Jealousy 40222	26.81	-	-	-
Watermelon Jealousy 40223	28.88	-	-	-
White Choc Chip #8 01 A	26.56	-	-	-
White Choc Chip #8 03 A	26.69	-	-	-
White Choc Chip #8 10 A	27.17	-	-	-
White Choc Chip #8 14 A	26.54	-	-	-
White Choc Chip #8 15 A	25.89	-	-	-
Zlurpee 40185	28.62	-	-	-
Zlurpee 40186	27.06	-	-	-
Zlurpee 40187	30.84	-	-	-
Zlurpee 40188	30.41	-	-	-
Zlurpee 40189	28.38	-	-	-

### Amplification Plots:

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





















































