



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1444

Target pathogen: Hop Latent Viroid

01 December 2023



**Order details:**

**Client:** Kaprikorn  
**Target Pathogen:** Hop Latent Viroid  
**Date Sampled:** 11/29/2023  
**Date Received:** 11/30/2023  
**Date Reported:** 12/01/2023  
**Total samples:** 80

**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	-	27.73	-	+
.Positive 2	-	-	30.43	+
8 inch Bagel 41692	28.42	-	-	-
8HS/SH8	29.23	-	-	-
Banana Bread 41523	26.87	-	-	-
Banana Bread 41524	27.94	-	-	-
Banana Bread 41525	27.32	-	-	-
Cap Junky 41526	27.76	-	-	-
Cap Junky 41527	27.15	-	-	-
Cap Junky 41528	26.41	-	-	-
Cap Junky 41529	27.15	-	-	-
Cap Junky 41530	26.89	-	-	-
Cap Junky 41531	27.67	-	-	-
Cap Junky 41532	27.04	-	-	-
Cap Junky 41533	27.92	-	-	-
Carbon Fiber 40460	27.81	-	-	-
Carbon Fiber 40461	26.5	-	-	-
Carbon Fiber 40462	28.93	-	-	-



Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Carbon Fiber 40463	27.04	-	-	-
Carbon Fiber 40464	27.45	-	-	-
Carbon Fiber 40465	28.85	-	-	-
CF50	30.38	-	-	-
Cheetah Piss 41534	28.09	-	-	-
Cheetah Piss 41535	29.12	-	-	-
Cheetah Piss 41536	28.05	-	-	-
Cheetah Piss 41537	29.53	-	-	-
Cheetah Piss 41538	27.31	-	-	-
Collins Ave 41539	27	-	-	-
Collins Ave 41540	28.84	-	-	-
Collins Ave 41541	27.77	-	-	-
Collins Ave 41542	28.52	-	-	-
Collins Ave 41543	29.2	-	-	-
CW6	28.84	-	-	-
Double Shots 41544	27.79	-	-	-
Double Shots 41545	27.75	-	-	-
Double Shots 41546	26.93	-	-	-
Frozen Rose 41517	29.62	-	-	-
Frozen Rose 41518	29.85	-	-	-
Georgia Cheesecake 41552	27.97	-	-	-
Georgia Cheesecake 41553	26.27	-	-	-
Georgia Cheesecake 41554	27.89	-	-	-
Georgia Cheesecake 41555	27.2	-	-	-
Georgia Cheesecake 41556	27.57	-	-	-
GG4 41683	28.78	-	-	-
Glitter Bomb 41690	28.86	-	-	-
Glitter Bomb 41691	28.22	-	-	-
Goofiez 41643	29.25	-	-	-
Goofiez 41644	28.6	-	-	-
Goofiez 41645	29.7	-	-	-
Goofiez 41646	27.97	-	-	-
Gush Mints 41557	27.88	-	-	-
Gush Mints 41558	27.98	-	-	-
Gush Mints 41559	27.39	-	-	-
Gush Mints 41560	28.06	-	-	-
GZP17	27.99	-	-	-
Hawaiian Snow 41688	27.94	-	-	-
Hawaiian Snow 41689	28.37	-	-	-
NF90	30.5	-	-	-
Noize Complaint 41519	29.03	-	-	-
Pave 41679	29.38	-	-	-
Pave 41686	26.94	-	-	-
Pave 41687	29.63	-	-	-
Permanent Marker 41682	28.39	-	-	-
Pink CRTZ 41561	27.85	-	-	-
Pink CRTZ 41562	26.34	-	-	-
Pink CRTZ 41563	28.88	-	-	-
Pink CRTZ 41564	28.73	-	-	-
Pink CRTZ 41565	29.65	-	-	-
PM asterisk	28.95	-	-	-
Purple Octane 41566	28.24	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Purple Octane 41567	28.94	-	-	-
Purple Octane 41568	26.88	-	-	-
Purple Octane 41569	29.13	-	-	-
Purple Octane 41570	28.48	-	-	-
Redneck Bubba 41515	27.85	-	-	-
Redneck Bubba 41516	29.28	-	-	-
Studio 54 41521	28.05	-	-	-
Studio 54 41522	29.06	-	-	-
Watermelon Gelato 41684	28.84	-	-	-
Watermelon Gelato 41685	28.76	-	-	-
Zoap 41678	29.62	-	-	-
Zoap 41680	28.14	-	-	-

**Amplification Plots:**

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























