



# GENIELAB

TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1272

Target pathogen: Hop Latent Viroid

05 May 2023

### Order details:

**Client:** Kaprikorn  
**Target Pathogen:** Hop Latent Viroid  
**Date Sampled:** 05/02/23  
**Date Received:** 05/04/23  
**Date Reported:** 05/05/23  
**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	-	22.06	-	+
.Positive 2	-	-	22.6	+
After Dark 38525	24.83	-	-	-
After Dark 38526	23.23	-	-	-
Apples & Bananas 38751	23.97	-	-	-
Apples & Bananas 38752	23.47	-	-	-
Apples & Bananas 38753	23.87	-	-	-
Apples & Bananas 38754	23.81	-	-	-
Apples & Bananas 38755	23.74	-	-	-
Apples & Bananas 38756	23.42	-	-	-
Cap Junky 38757	23.35	-	-	-
Cap Junky 38758	22.04	-	-	-
Cap Junky 38759	23.33	-	-	-
Cheetah Piss 38760	22.77	-	-	-
Cheetah Piss 38761	22.85	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Cheetah Piss 38762	28.44	-	-	-
Collins Ave 38763	24.86	-	-	-
Collins Ave 38764	23.39	-	-	-
Collins Ave 38765	22.35	-	-	-
Divine Banana 38766	24.79	-	-	-
Divine Banana 38767	23.89	-	-	-
Divine Banana 38768	26.89	-	-	-
Divine Banana 38769	22.46	-	-	-
Divine Banana 38770	25.79	-	-	-
Divine Banana 38771	24.51	-	-	-
Emergency 38772	21.96	-	-	-
Emergency 38773	28.12	-	-	-
Emergency 38774	28.49	-	-	-
Emergency 38775	27.95	-	-	-
Emergency 38776	27.21	-	-	-
Emergency 38777	27.08	-	-	-
Emergency 38778	28.32	-	-	-
Emergency 38779	28.14	-	-	-
Forbidden RNTZ 38780	28.21	-	-	-
Forbidden RNTZ 38781	27.01	-	-	-
Forbidden RNTZ 38782	25.34	-	-	-
Forbidden RNTZ 38783	26.47	-	-	-
Forbidden RNTZ 38784	25.71	-	-	-
Forbidden RNTZ 38785	28.44	-	-	-
Gas Face 1 38786	28.63	-	-	-
Gas Face 1 38787	27.63	-	-	-
Gas Face 1 38788	27.63	-	-	-
Georgia Cheesecake 38789	29.12	-	-	-
Georgia Cheesecake 38790	28.15	-	-	-
Georgia Cheesecake 38791	29.54	-	-	-
Georgia Pie 38792	28.17	-	-	-
Georgia Pie 38793	26.67	-	-	-
Georgia Pie 38794	27.93	-	-	-
Gush Mints 38795	27.21	-	-	-
Gush Mints 38796	29.35	-	-	-
Gush Mints 38797	29.26	-	-	-
Gush Mints 38798	28.74	-	-	-
Gush Mints 38799	27.77	-	-	-
Gush Mints 38800	28.16	-	-	-
Honey Bun 38801	28.71	-	-	-
Honey Bun 38802	28.94	-	-	-
Honey Bun 38803	28.72	-	-	-
Jealousy 38804	28.42	-	-	-
Jealousy 38805	27.81	-	-	-
Jealousy 38806	27.72	-	-	-
Jealousy 38807	27.43	-	-	-
Jealousy 38808	28.94	-	-	-
Jealousy 38809	27.09	-	-	-
Jelly Donutz 38810	25.34	-	-	-
Jelly Donutz 38811	25.56	-	-	-
Jelly Donutz 38812	25.83	-	-	-
Jelly Donutz 38813	26.07	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Jelly Donutz 38814	25.04	-	-	-
Jelly Donutz 38815	25.25	-	-	-
Pink Certz 38818	24.97	-	-	-
Pink Certz 38819	22.94	-	-	-
Pink Certz 38820	24.5	-	-	-
Pink RNTZ 38868	24.14	-	-	-
Pink RNTZ 38869	22.88	-	-	-
Pink RNTZ 38870	28.42	-	-	-
Pink RNTZ 38871	28.55	-	-	-
Pink RNTZ 38872	28.89	-	-	-
Pink RNTZ 38873	27.98	-	-	-
Purple Octane 38827	27.95	-	-	-
Purple Octane 38828	29.03	-	-	-
Purple Octane 38829	27.8	-	-	-
Purple Punch 38874	28.63	-	-	-

### Amplification Plots:

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













































