



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:** 78

**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	-	26.83	-	+
.Positive 2	-	-	26.38	+
Acai Gelato 41874	28.8	-	-	-
Acai Gelato 41875	30.17	-	-	-
Acai Gelato 41876	31.76	-	-	-
Acai Gelato 41877	30.9	-	-	-
Acai Gelato 41878	32.37	-	-	-
Acai Gelato 41879	31.76	-	-	-
Acai Gelato 41880	30.34	-	-	-
Acai Gelato 41881	31.42	-	-	-
Acai Gelato 41882	29.61	-	-	-
Acai Gelato 41883	30.22	-	-	-
Apples & Bananas 41785	30.71	-	-	-
Apples & Bananas 41786	30.34	-	-	-
Apples & Bananas 41787	27.17	-	-	-
Apples & Bananas 41788	28.07	-	-	-
Apples & Bananas 41789	29.45	-	-	-
Apples & Bananas 41790	28.74	-	-	-



Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Cap Junky 41526	28.11	-	-	-
Cap Junky 41527	31.08	-	-	-
Cap Junky 41528	28.54	-	-	-
Cap Junky 41529	28.68	-	-	-
Cap Junky 41530	28.18	-	-	-
Cap Junky 41531	28.31	-	-	-
Cap Junky 41532	30.3	-	-	-
Cap Junky 41533	30.32	-	-	-
Cap Junky 41780	28.97	-	-	-
Cap Junky 41781	28.73	-	-	-
Cap Junky 41782	29.23	-	-	-
Cap Junky 41783	27.68	-	-	-
Cap Junky 41784	28.36	-	-	-
Carbon Fiber 41773	28.54	-	-	-
Carbon Fiber 41774	29.39	-	-	-
Carbon Fiber 41775	29.13	-	-	-
Carbon Fiber 41776	28.83	-	-	-
Carbon Fiber 41777	28.3	-	-	-
Carbon Fiber 41778	31.92	-	-	-
Carbon Fiber 41779	28.43	-	-	-
Cereal Milk 41791	29.52	-	-	-
Cereal Milk 41792	31.87	-	-	-
Cereal Milk 41793	30.13	-	-	-
Cereal Milk 41794	30.22	-	-	-
Cereal Milk 41795	29.82	-	-	-
Cereal Milk 41796	29.53	-	-	-
Cream Filling 41797	29.28	-	-	-
Cream Filling 41798	28.55	-	-	-
Cream Filling 41799	29.02	-	-	-
Cream Filling 41800	31.21	-	-	-
Cream Filling 41801	28.17	-	-	-
E85 41802	27.74	-	-	-
E85 41803	26.94	-	-	-
E85 41804	28.53	-	-	-
E85 41805	28.74	-	-	-
Gas Face #1 41884	29.84	-	-	-
Gas Face #1 41885	26.73	-	-	-
Gas Face #1 41886	28.33	-	-	-
Gas Face #1 41887	30.12	-	-	-
Gas Face #1 41888	29	-	-	-
Gas Face #1 41889	31.83	-	-	-
Gas Face #1 41890	29.93	-	-	-
Gas Face #1 41891	30.27	-	-	-
Gas Face #1 41892	29.6	-	-	-
Gas Face #1 41893	26.7	-	-	-
Goofiez 41643	29.11	-	-	-
Goofiez 41644	29.09	-	-	-
Goofiez 41645	30.2	-	-	-
Goofiez 41646	29.85	-	-	-
Grape Gasoline 41454	29.09	-	-	-
Grape Gasoline 41455	28.64	-	-	-
Grape Gasoline 41456	29.29	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Grapes & Cream 41810	31.26	-	-	-
Grapes & Cream 41811	29.85	-	-	-
Grapes & Cream 41812	29.72	-	-	-
Ice Cream Cake 41945	30.58	-	-	-
Ice Cream Cake 41946	28.06	-	-	-
Ice Cream Cake 41947	29.79	-	-	-
Ice Cream Cake 41948	29.97	-	-	-
Ice Cream Cake 41949	27.77	-	-	-
Ice Cream Cake 41950	30.17	-	-	-
Ice Cream Cake 41951	28.62	-	-	-

**Amplification Plots:**

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























