



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1902

Target pathogen: Hop Latent Viroid

09 August 2024

**Order details:****Client:** Kaprikorn**Target Pathogen:** Hop Latent Viroid**Date Sampled:** 08/07/2024**Date Received:** 08/08/2024**Date Reported:** 08/09/2024**Total samples:** 76**NUMBER SAMPLES INFECTED:** 0**Results interpretation:****C_T (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_TEXCELLENT: 27 - 30 C_TGREAT: 30 - 32 C_TOKAY: 32 - 35 C_TFAIL: >35 C_T**HLVd** - Detection C_T and relative amount of HLVd in the sample:HIGH: <15 - 20 C_TMEDIUM: 21 - 28 C_TLOW: 29 - <35 C_TINCONCLUSIVE: >35 C_T

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
.Positive 1	-	28.09	-	+
.Positive 2	-	-	23.33	+
818 Headband 42670	32.72	-	-	-
Animal Mintz x Kush Mintz 42914	29.63	-	-	-
Animal Mintz x Kush Mintz 42915	30.07	-	-	-
Apple Tartz 43778	29.11	-	-	-
Big Buns 43986	29.92	-	-	-
Big Buns 43987	28.65	-	-	-
Big Buns 43988	29.52	-	-	-
Big Detroit Energy 42671	29.84	-	-	-
Black Maple 44069	30.7	-	-	-
Black Maple 44070	30	-	-	-
Black Maple 44071	29.72	-	-	-
Black Maple 44072	28.57	-	-	-
Black Maple 44073	28.57	-	-	-
Black Sundae A	30.53	-	-	-
Blue Lobster 44063	28.44	-	-	-
Blumosa 43960	29.55	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Bluemosa 43961	28.24	-	-	-
Cadillac Rainbows 43774	28.56	-	-	-
Dantes Cookie Jar 42672	29.82	-	-	-
Dark Queen #6 42911	29.37	-	-	-
Dark Queen #8 44057	27.03	-	-	-
Dark Queen #8 44058	30.29	-	-	-
Dawg Cake A	30.56	-	-	-
Dawg Cake B	30.59	-	-	-
Garlic Juice 43779	28.88	-	-	-
Garlic Juice 44079	28.13	-	-	-
Garlic Juice 44080	28.01	-	-	-
Garlic Juice 44081	29.99	-	-	-
Garlic Juice 44082	29.36	-	-	-
Garlic Juice 44083	30.47	-	-	-
Gastro Pop #1 42916	30.64	-	-	-
Gastro Pop #1 42917	28.44	-	-	-
Gastro Pop #2 42918	28.78	-	-	-
Gastro Pop #2 42919	29.55	-	-	-
Gorilla Breath 44059	29.28	-	-	-
Grape Popper 44060	27.99	-	-	-
Grape Popper 44061	28.99	-	-	-
Grape Popper 44062	29.51	-	-	-
Ice Cream x Gelato 44066	30.4	-	-	-
Ice Cream x Gelato 44067	28.69	-	-	-
Ice Cream x Gelato 44068	27.16	-	-	-
Jack Murphy 42912	27.75	-	-	-
Kozeto #15 42933	30.2	-	-	-
Lem Cherry x Soap 44064	29.37	-	-	-
Lem Cherry x Soap 44065	28.51	-	-	-
Lemon Vuitton 43776	30.35	-	-	-
Melted Strawberries 43772	29.14	-	-	-
Mothball 43770	29.98	-	-	-
OPP 42921	28.89	-	-	-
OPP 42922	32.79	-	-	-
Papaya Juice 43775	28.54	-	-	-
Prosecco #1 42923	29.95	-	-	-
Prosecco #1 42924	30.53	-	-	-
Purple Chrome #8 42925	28.29	-	-	-
Purple Chrome #8 42926	29.98	-	-	-
Red Pave 42927	28.58	-	-	-
SFV x Pakistani #5 42675	28.92	-	-	-
Shave Ice #4 42928	30.15	-	-	-
Shave Ice #4 42930	31.5	-	-	-
Shave Ice #4 42931	31.65	-	-	-
Shave Ice #4 42932	31.1	-	-	-
Smashburger #27 42929	30.77	-	-	-
Southern Sunset A	30.2	-	-	-
Strawberry Pie 43771	29.7	-	-	-
Sub Zero 44074	28.55	-	-	-
Sub Zero 44075	29.07	-	-	-
Sub Zero 44076	28.17	-	-	-
Sub Zero 44077	28.21	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Sub Zero 44078	27.47	-	-	-
Trapzilla 44045	28.35	-	-	-
Trapzilla 44046	29	-	-	-
Trop Cherry Runtz A	30.93	-	-	-
Trop Cherry Runtz B	28.74	-	-	-
Watermelon Wonder A	28.23	-	-	-
Watermelon Wonder B	27.19	-	-	-
White Fire OG 43773	30.02	-	-	-

Amplification Plots:

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





















