



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1867

Target pathogen: Hop Latent Viroid

19 July 2024



Order details:

Client: Kaprikorn
Target Pathogen: Hop Latent Viroid
Date Sampled: 07/17/2024
Date Received: 07/18/2024
Date Reported: 07/19/2024
Total samples: 86

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_T
EXCELLENT: 27 - 30 C_T
GREAT: 30 - 32 C_T
OKAY: 32 - 35 C_T
FAIL: >35 C_T

HLVd - Detection C_T and relative amount of HLVd in the sample:

HIGH: <15 - 20 C_T
MEDIUM: 21 - 28 C_T
LOW: 29 - <35 C_T
INCONCLUSIVE: >35 C_T

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
.Positive 1	-	26.12	-	+
.Positive 2	-	-	27.13	+
Blue Lobster A	22.87	-	-	-
Bluemosas 43960	25.98	-	-	-
Bluemosas 43961	23.7	-	-	-
Cadillac Rainbows 43774	25.24	-	-	-
Dantes Cookie Jar 42672	27.42	-	-	-
Dark Queen #6 42911	27.84	-	-	-
Dark Queen #8 1	23.31	-	-	-
Dark Queen #8 2	23.3	-	-	-
Garlic Juice 1	23.84	-	-	-
Garlic Juice 2	23.46	-	-	-
Garlic Juice 3	23.68	-	-	-
Garlic Juice 4	23.67	-	-	-
Garlic Juice 43779	25.03	-	-	-
Garlic Juice 5	26.51	-	-	-
Garlic Juice 6	23.87	-	-	-
Gastro Pop #1 42916	26.8	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Gastro Pop #1 42917	26.82	-	-	-
Gastro Pop #2 42918	27.65	-	-	-
Gastro Pop #2 42919	25.55	-	-	-
Gorilla Breath 1	24.16	-	-	-
Gorilla Breath 2	25.96	-	-	-
Grape Popper A	22.66	-	-	-
Grape Popper B	24.71	-	-	-
Grape Popper C	24.08	-	-	-
Ice Cream x Gelato A	24.36	-	-	-
Ice Cream x Gelato B	22.39	-	-	-
Ice Cream x Gelato C	24.44	-	-	-
Jack Murphy 42912	25.87	-	-	-
Kozeto #15 42933	24.44	-	-	-
Lem Cherry x Soap A	25.37	-	-	-
Lem Cherry x Soap B	23.49	-	-	-
Lem Chry Gel x Bl Velvet 1	23.96	-	-	-
Lem Chry Gel x Bl Velvet 10	23.72	-	-	-
Lem Chry Gel x Bl Velvet 11	24.58	-	-	-
Lem Chry Gel x Bl Velvet 12	24.47	-	-	-
Lem Chry Gel x Bl Velvet 13	24.39	-	-	-
Lem Chry Gel x Bl Velvet 14	25.56	-	-	-
Lem Chry Gel x Bl Velvet 16	23.95	-	-	-
Lem Chry Gel x Bl Velvet 20	24.24	-	-	-
Lem Chry Gel x Bl Velvet 6	24.9	-	-	-
Lemon Vuitton 43776	24.8	-	-	-
Lizard Burger #8 1	23.38	-	-	-
Lizard Burger #8 11	22.84	-	-	-
Lizard Burger #8 12	22.65	-	-	-
Lizard Burger #8 13	24.12	-	-	-
Lizard Burger #8 7	24.86	-	-	-
Lizard Burger #8 8	23.74	-	-	-
Lizard Burger #8 9	22.89	-	-	-
Melted Strawberries 43772	26.51	-	-	-
Mothball 43770	24.59	-	-	-
OPP 42921	26.46	-	-	-
OPP 42922	24.47	-	-	-
Papaya Juice 43775	25.59	-	-	-
Prosecco #1 42923	26.86	-	-	-
Prosecco #1 42924	29.5	-	-	-
Purple Chrome #8 42925	25.27	-	-	-
Purple Chrome #8 42926	25.88	-	-	-
Red Pave 42927	24.9	-	-	-
SFV x Pakistani #5 42675	24.25	-	-	-
Shave Ice #4 42928	24.91	-	-	-
Shave Ice #4 42930	27.53	-	-	-
Shave Ice #4 42931	27.61	-	-	-
Shave Ice #4 42932	25.68	-	-	-
Smashburger #27 42929	25.68	-	-	-
Strawberry Pie 43771	24.42	-	-	-
Sub Zero 2	22.63	-	-	-
Sub Zero 3	23.73	-	-	-
Sub Zero 4	22.69	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Sub Zero 5	23.02	-	-	-
Sub Zero 6	23.89	-	-	-
Supreme Lee-Hi 10	23.78	-	-	-
Supreme Lee-Hi 11	22.87	-	-	-
Supreme Lee-Hi 13	24.59	-	-	-
Supreme Lee-Hi 14	22.72	-	-	-
Supreme Lee-Hi 3	23.84	-	-	-
Supreme Lee-Hi 4	22.68	-	-	-
Supreme Lee-Hi 9	23.86	-	-	-
Trap Fuel 11	22.47	-	-	-
Trap Fuel 12	23.29	-	-	-
Trap Fuel 13	23.39	-	-	-
Trap Fuel 14	23.34	-	-	-
Trap Fuel 4	22.68	-	-	-
Trap Fuel 7	22.79	-	-	-
Trapzilla 1	26.33	-	-	-
Trapzilla 2	25.82	-	-	-
White Fire OG 43773	24.84	-	-	-

Amplification Plots:

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























