



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1994

Target pathogen: Hop Latent Viroid

11 October 2024



Order details:

Client: Kaprikorn
Target Pathogen: Hop Latent Viroid
Date Sampled: 10/09/2024
Date Received: 10/10/2024
Date Reported: 10/11/2024
Total samples: 66

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	-	24.17	-	+
.Positive 2	-	-	29.46	+
Acai Gelato G	25.43	-	-	-
Ice Cream x Gelato 44066	30.08	-	-	-
Ice Cream x Gelato 44067	30.33	-	-	-
Ice Cream x Gelato 44068	30.23	-	-	-
Illemonatti 1	30.97	-	-	-
Illemonatti 2	26.76	-	-	-
Jelly Cake 1	27.1	-	-	-
Jokers NOS 1	25.5	-	-	-
Kozeto #15 01	27.95	-	-	-
Kozeto #15 06	26.82	-	-	-
Kozeto #15 10	26.43	-	-	-
Kozeto #15 11	27.43	-	-	-
Kozeto #15 14	26.8	-	-	-
Kozeto #15 15	27.4	-	-	-
Kozeto #15 16	26.58	-	-	-
Kozeto #15 17	28.8	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Kozeto #15 20	25.54	-	-	-
Lem Cherry x Soap 44064	28.25	-	-	-
Lem Cherry x Soap 44065	29.1	-	-	-
Lemon Vuitton 43776	29.07	-	-	-
Mac N Jack 1	26.29	-	-	-
Mac N Jack 2	27.85	-	-	-
Mac N Jack 3	25.99	-	-	-
Maddfruit 1	27.57	-	-	-
Maui True Blood A	27.11	-	-	-
Maui True Blood B	27.38	-	-	-
Maui True Blood C	28.8	-	-	-
Maui True Blood D	29.21	-	-	-
Maui True Blood E	27.31	-	-	-
Maui True Blood F	28.79	-	-	-
Melted Strawberries 43772	27.3	-	-	-
Moroccan Peaches 1	24.34	-	-	-
Mothball 43770	28.87	-	-	-
Original Z 1	34.87	-	-	-
Original Z 2	33.85	-	-	-
Papaya Juice 43775	27.46	-	-	-
Permanent Lee Hi 45255	27.03	-	-	-
Permanent Lee Hi 45256	26.15	-	-	-
Pineapple Candy 1	27.73	-	-	-
Pineapple Candy 2	29.6	-	-	-
Red Pave 02	26.74	-	-	-
Red Pave 03	26.23	-	-	-
Red Pave 05	25.91	-	-	-
Red Pave 06	25.84	-	-	-
Red Pave 07	29	-	-	-
Red Pave 08	27.43	-	-	-
Red Pave 12	27.05	-	-	-
Red Pave 13	30.45	-	-	-
Red Pave 19	27.56	-	-	-
Southern Sunset 45261	30.69	-	-	-
Strawberry Pie 43771	32.91	-	-	-
Stunna Runtz 45381	31.88	-	-	-
Stunna Runtz 45382	30.79	-	-	-
Sub Zero 44074	28.97	-	-	-
Sub Zero 44075	30	-	-	-
Sub Zero 44076	31.05	-	-	-
Sub Zero 44077	29.96	-	-	-
Sub Zero 44078	30.23	-	-	-
The Bridge 45442	30.15	-	-	-
Trapzilla 44045	29.84	-	-	-
Trapzilla 44046	31.66	-	-	-
Trop Cherry Runtz 45257	30.6	-	-	-
Trop Cherry Runtz 45258	29.94	-	-	-
Watermelon Wonder 45259	28.39	-	-	-
Watermelon Wonder 45260	28.5	-	-	-
White Fire OG 43773	31.02	-	-	-

Amplification Plots:

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

















