



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 2027

Target pathogen: Hop Latent Viroid

01 November 2024



Order details:

Client: Kaprikorn
Target Pathogen: Hop Latent Viroid
Date Sampled: 10/30/2024
Date Received: 10/31/2024
Date Reported: 11/01/2024
Total samples: 87

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	-	24.03	-	+
.Positive 2	-	-	31.91	+
Black Maple 01	27.47	-	-	-
Black Maple 03	31.62	-	-	-
Black Maple 04	28.68	-	-	-
Black Maple 08	27.53	-	-	-
Black Maple 09	29.92	-	-	-
Black Maple 12	28.6	-	-	-
Black Maple 13	27.19	-	-	-
Cherry Dosi 1	26.9	-	-	-
Cherry Dosi 2	26.05	-	-	-
Cherry Dosi 3	26.52	-	-	-
Cherry Dosi 4	26.49	-	-	-
Cherry Dosi 5	26.17	-	-	-
Cherry Dosi 6	28.34	-	-	-
Cherry Dosi 7	25.98	-	-	-
Dark Queen 1	27.91	-	-	-
Dark Queen 2	27.25	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Dark Queen 3	28.98	-	-	-
Dark Queen 4	29.02	-	-	-
Dark Queen 5	27.49	-	-	-
Dark Queen 6	26.81	-	-	-
Dark Queen 7	27.22	-	-	-
Garlic Juice 01	28.97	-	-	-
Garlic Juice 06	27.7	-	-	-
Garlic Juice 08	28.29	-	-	-
Garlic Juice 10	31.63	-	-	-
Garlic Juice 12	30.54	-	-	-
Garlic Juice 13	28.75	-	-	-
Garlic Juice 15	28.78	-	-	-
Grape Colada 1	28.88	-	-	-
Gruntz 1	27.22	-	-	-
Gruntz 2	28.63	-	-	-
GSC 1	27.67	-	-	-
GSC 2	27.73	-	-	-
Ice Cream Cake 1	27.76	-	-	-
Ice Cream Cake 2	27.01	-	-	-
Ice Cream Cake 3	27.9	-	-	-
Ice Cream Cake 4	28.31	-	-	-
Ice Cream Cake 5	26.74	-	-	-
Ice Cream Cake 6	27.38	-	-	-
Ice Cream Cake 7	27.29	-	-	-
Illemonatti 1	27.69	-	-	-
Illemonatti 2	27.38	-	-	-
Lemon Cherry Gelato 1	27.95	-	-	-
Lemon Cherry Gelato 2	28.5	-	-	-
Lemon Cherry Gelato 3	27.81	-	-	-
Lemon Cherry Gelato 4	25.97	-	-	-
Lemon Cherry Gelato 5	27.08	-	-	-
Lemon Cherry Gelato 6	26.84	-	-	-
Lemon Cherry Gelato 7	27.06	-	-	-
Papaya Juice 04	28.9	-	-	-
Papaya Juice 05	28.67	-	-	-
Papaya Juice 06	27.92	-	-	-
Papaya Juice 08	29.01	-	-	-
Papaya Juice 12	26.85	-	-	-
Papaya Juice 13	26.28	-	-	-
Papaya Juice 15	27.99	-	-	-
Papaya Juice 16	27.9	-	-	-
Papaya Juice 18	28.15	-	-	-
Pineapple Candy 1	28.12	-	-	-
Pineapple Candy 2	26.97	-	-	-
Sub Zero 01	27.69	-	-	-
Sub Zero 05	27.22	-	-	-
Sub Zero 07	27.44	-	-	-
Sub Zero 10	28.12	-	-	-
Sub Zero 11	28.33	-	-	-
Sub Zero 14	27.04	-	-	-
Sub Zero 15	30	-	-	-
Sub Zero 44074	29.17	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Sub Zero 44075	30.6	-	-	-
Sub Zero 44076	28.69	-	-	-
Sub Zero 44077	29.31	-	-	-
Sub Zero 44078	30	-	-	-
The Bridge 45442	29.54	-	-	-
Trapzilla 44045	28.84	-	-	-
Trapzilla 44046	27.87	-	-	-
Trop Cherries 1	26.67	-	-	-
Trop Cherries 2	27.94	-	-	-
Trop Cherries 3	27.7	-	-	-
Trop Cherries 4	27.78	-	-	-
Trop Cherries 5	27.13	-	-	-
Trop Cherries 6	26.94	-	-	-
Trop Cherries 7	27.83	-	-	-
Trop Cherry Runtz 45257	30.09	-	-	-
Trop Cherry Runtz 45258	28.2	-	-	-
Watermelon Wonder 45259	30	-	-	-
Watermelon Wonder 45260	30.46	-	-	-
White Fire OG 43773	28.15	-	-	-

Amplification Plots:

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























