



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1589

Target pathogen: Hop Latent Viroid

15 March 2024



Order details:

Client: Kaprikorn
Target Pathogen: Hop Latent Viroid
Date Sampled: 03/13/2024
Date Received: 03/14/2024
Date Reported: 03/15/2024
Total samples: 72

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	-	23.81	-	+
.Positive 2	-	-	28.24	+
Acai Gelato 02 A	27.07	-	-	-
Acai Gelato 04 A	27.96	-	-	-
Acai Gelato 06 A	27.1	-	-	-
Acai Gelato 07 A	26.79	-	-	-
Acai Gelato 12 A	26.13	-	-	-
Acai Gelato 15 A	26	-	-	-
Apples & Bananas 05 A	27.32	-	-	-
Apples & Bananas 08 A	25.22	-	-	-
Apples & Bananas 09 A	26.92	-	-	-
Apples & Bananas 12 A	26.15	-	-	-
Apples & Bananas 14 A	26.84	-	-	-
Carbon Fiber 02 A	26.87	-	-	-
Carbon Fiber 04 A	26.26	-	-	-
Carbon Fiber 06 A	27.4	-	-	-
Carbon Fiber 12 A	28.96	-	-	-
Carbon Fiber 13 A	27.97	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Carbon Fiber 15 A	28.32	-	-	-
Cereal Milk 02 A	25.91	-	-	-
Cereal Milk 03 A	25.09	-	-	-
Cereal Milk 05 A	28.08	-	-	-
Cereal Milk 06 A	26.19	-	-	-
Cereal Milk 08 A	27.91	-	-	-
Cereal Milk 10 A	25.62	-	-	-
Cereal Milk 11 A	26.33	-	-	-
Cereal Milk 14 A	26.47	-	-	-
Cream Filling 02 A	25.31	-	-	-
Cream Filling 07 A	26.92	-	-	-
Cream Filling 10 A	26.9	-	-	-
Cream Filling 11 A	24.98	-	-	-
Cream Filling 12 A	26.22	-	-	-
Cream Filling 14 A	26.14	-	-	-
E85 02 A	27.24	-	-	-
E85 03 A	26.85	-	-	-
E85 06 A	24.57	-	-	-
E85 07 A	24.65	-	-	-
E85 10 A	27.67	-	-	-
E85 11 A	27.12	-	-	-
E85 12 A	26.62	-	-	-
E85 13 A	26.28	-	-	-
E85 15 A	25.68	-	-	-
GG4 01 A	24.48	-	-	-
GG4 04 A	26.09	-	-	-
GG4 05 A	24.7	-	-	-
GG4 07 A	24.22	-	-	-
GG4 15 A	28.09	-	-	-
Goofiez 02 A	27.03	-	-	-
Goofiez 05 A	27.04	-	-	-
Goofiez 06 A	26.54	-	-	-
Goofiez 08 A	27.58	-	-	-
Goofiez 12 A	26.02	-	-	-
Goofiez 14 A	25.98	-	-	-
Grape Gasoline 01 A	25.42	-	-	-
Grape Gasoline 04 A	27.81	-	-	-
Grape Gasoline 10 A	26.08	-	-	-
Grapes & Cream 02 A	25.99	-	-	-
Grapes & Cream 03 A	26.24	-	-	-
Grapes & Cream 04 A	27.14	-	-	-
Grapes & Cream 08 A	25.23	-	-	-
Ice Cream Cake 03 A	25.36	-	-	-
Ice Cream Cake 07 A	25.04	-	-	-
Ice Cream Cake 13 A	24.75	-	-	-
Ice Cream Cake 17 A	27.88	-	-	-
Jokerz 01 A	26.28	-	-	-
Jokerz 03 A	28.01	-	-	-
Jokerz 05 A	28.45	-	-	-
Jokerz 08 A	24.85	-	-	-
Jokerz 09 A	25.44	-	-	-
Jokerz 11 A	26.99	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Jokerz 13 A	25.48	-	-	-
Lemon Cherry Gelato 42252	32.35	-	-	-
NF 90 42002	29.4	-	-	-
NF 90 42037	28.79	-	-	-

Amplification Plots:

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



















