



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1465

Target pathogen: Hop Latent Viroid

22 December 2023



Order details:

Client: Kaprikorn
Target Pathogen: Hop Latent Viroid
Date Sampled: 12/20/2023
Date Received: 12/21/2023
Date Reported: 12/22/2023
Total samples: 80

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	-	23.13	-	+
.Positive 2	-	-	26.6	+
Banana Cooler 03 A	20.07	-	-	-
Banana Cooler 04 A	21.86	-	-	-
Banana Cooler 08 A	21.4	-	-	-
Banana Cooler 11 A	22.98	-	-	-
Banana Cooler 12 A	21.34	-	-	-
Banana Cooler 13 A	21.57	-	-	-
Banana Cooler 14 A	21.3	-	-	-
Banana Cooler 15 A	25.11	-	-	-
Black Amber 01 A	24.76	-	-	-
Black Amber 02 A	23.92	-	-	-
Black Amber 03 A	23.23	-	-	-
Black Amber 04 A	23.9	-	-	-
Cali Burger 01 A	21.27	-	-	-
Cali Burger 07 A	20.59	-	-	-
Cali Burger 09 A	22.28	-	-	-
Cali Burger 10 A	22.41	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Carbon Fiber 01 A	24	-	-	-
Carbon Fiber 02 A	21.82	-	-	-
Carbon Fiber 03 A	21.82	-	-	-
Carbon Fiber 04 A	23.23	-	-	-
Carbon Fiber 05 A	22.28	-	-	-
Carbon Fiber 06 A	21.92	-	-	-
Carbon Fiber 07 A	23.43	-	-	-
Carbon Fiber 08 A	22.28	-	-	-
Carbon Fiber 09 A	23.08	-	-	-
Carbon Fiber 10 A	22.1	-	-	-
Cherry Dosidos 01 A	20.06	-	-	-
Cherry Dosidos 02 A	23.63	-	-	-
Cherry Dosidos 03 A	21.68	-	-	-
Cherry Dosidos 04 A	21.91	-	-	-
Divine Banana 01 A	19.99	-	-	-
Divine Banana 03 A	22.9	-	-	-
Divine Banana 05 A	20.2	-	-	-
Divine Banana 06 A	25.76	-	-	-
Divine Banana 09 A	25.33	-	-	-
Divine Banana 10 A	22.08	-	-	-
Divine Banana 14 A	25.13	-	-	-
Gary Eyes 06 A	23.45	-	-	-
Gary Eyes 07 A	20.27	-	-	-
Gary Eyes 08 A	22.32	-	-	-
Gary Eyes 12 A	20.08	-	-	-
Gary Eyes 13 A	19.91	-	-	-
Gas Face #1 01 A	22.41	-	-	-
Gas Face #1 04 A	21.87	-	-	-
Gas Face #1 05 A	21.2	-	-	-
Gas Face #1 07 A	24.3	-	-	-
Gas Face #1 08 A	21	-	-	-
Gas Face #1 09 A	21.88	-	-	-
Georgia Pie 02 A	20.37	-	-	-
Georgia Pie 03 A	23.51	-	-	-
Georgia Pie 04 A	20.29	-	-	-
Georgia Pie 05 A	20.16	-	-	-
Ice Cream Cake 01 A	22.75	-	-	-
Ice Cream Cake 03 A	21.6	-	-	-
Ice Cream Cake 04 A	21.32	-	-	-
Ice Cream Cake 08 A	22.37	-	-	-
Ice Cream Cake 09 A	22.24	-	-	-
Ice Cream Cake 10 A	24.03	-	-	-
Ice Cream Cake 15 A	23.09	-	-	-
Jack Herer 01 A	23.08	-	-	-
Jack Herer 02 A	22.29	-	-	-
Jack Herer 05 A	23.16	-	-	-
Jack Herer 09 A	23.35	-	-	-
Jack Herer 11 A	25.69	-	-	-
Lemon Cherry Gelato 01 A	20.71	-	-	-
Lemon Cherry Gelato 02 A	20.47	-	-	-
Lemon Cherry Gelato 03 A	20.92	-	-	-
Lemon Cherry Gelato 04 A	23.11	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Menage 04 A	21.19	-	-	-
Menage 07 A	21.8	-	-	-
Menage 08 A	22.9	-	-	-
Menage 10 A	26.49	-	-	-
Menage 11 A	24.26	-	-	-
Modified Grapes 01 A	24.67	-	-	-
Modified Grapes 05 A	20.72	-	-	-
Modified Grapes 07 A	21.6	-	-	-
Modified Grapes 10 A	22.87	-	-	-
Modified Grapes 11 A	20.98	-	-	-
Modified Grapes 17 A	19.87	-	-	-
Permanent Marker 04 A	24.43	-	-	-

Amplification Plots:

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





















