



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1516

Target pathogen: Hop Latent Viroid

02 February 2024



Order details:

Client: Kaprikorn
Target Pathogen: Hop Latent Viroid
Date Sampled: 01/31/2024
Date Received: 02/01/2024
Date Reported: 02/02/2024
Total samples: 75

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	-	22.7	-	+
.Positive 2	-	-	26.66	+
Dante's Inferno 01 A	25.78	-	-	-
Dante's Inferno 02 A	22.82	-	-	-
Dante's Inferno 03 A	23.15	-	-	-
Dante's Inferno 04 A	23.25	-	-	-
Dante's Inferno 06 A	23.47	-	-	-
Dante's Inferno 07 A	27.28	-	-	-
Dante's Inferno 08 A	25.35	-	-	-
Dark Queen 01 A	27.06	-	-	-
Dark Queen 02 A	22.94	-	-	-
Dark Queen 03 A	22.15	-	-	-
Dark Queen 04 A	24.93	-	-	-
Dark Queen 06 A	24.44	-	-	-
Gas Face #1 02 A	23.4	-	-	-
Gas Face #1 03 A	20.32	-	-	-
Gas Face #1 05 A	22.81	-	-	-
Gas Face #1 07 A	21.24	-	-	-



Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Gas Face #1 10 A	23.28	-	-	-
Gas Face #1 11 A	21.64	-	-	-
Gas Face #1 14 A	21.18	-	-	-
Gas Face #1 15 A	24.68	-	-	-
Georgia Pie 02 A	21.04	-	-	-
Georgia Pie 08 A	23.13	-	-	-
Georgia Pie 10 A	29.39	-	-	-
Georgia Pie 13 A	19.88	-	-	-
Glitter Bomb 01 A	25.01	-	-	-
Glitter Bomb 02 A	20.48	-	-	-
Glitter Bomb 06 A	20.35	-	-	-
Glitter Bomb 08 A	22.08	-	-	-
Glitter Bomb 15 A	22.02	-	-	-
Goofiez 01 A	23.21	-	-	-
Goofiez 03 A	25.1	-	-	-
Goofiez 05 A	21.67	-	-	-
Goofiez 06 A	23.66	-	-	-
Goofiez 07 A	24.97	-	-	-
Goofiez 11 A	31.42	-	-	-
Goofiez 12 A	26.71	-	-	-
Goofiez 16 A	27.02	-	-	-
Gorilla Breath 01 A	24.14	-	-	-
Gorilla Breath 02 A	24.2	-	-	-
Gorilla Breath 03 A	28.19	-	-	-
Gorilla Breath 04 A	26.96	-	-	-
Gorilla Breath 05 A	23.76	-	-	-
Gorilla Breath 06 A	19.97	-	-	-
Gorilla Breath 07 A	24.91	-	-	-
Grapes & Cream 01 A	23.28	-	-	-
Grapes & Cream 05 A	22.13	-	-	-
Grapes & Cream 07 A	23.64	-	-	-
Grapes & Cream 10 A	25.97	-	-	-
Hawaiian Snow 07 A	24.23	-	-	-
Hawaiian Snow 08 A	23.11	-	-	-
Hawaiian Snow 10 A	20.99	-	-	-
Hawaiian Snow 13 A	25.43	-	-	-
Hawaiian Snow 15 A	27.62	-	-	-
Ice Cream Cake 02 A	25.71	-	-	-
Ice Cream Cake 03 A	24.28	-	-	-
Ice Cream Cake 04 A	20.35	-	-	-
Ice Cream Cake 09 A	27.16	-	-	-
Ice Cream Cake 14 A	24.52	-	-	-
Ice Cream Cake 17 A	25.18	-	-	-
Ice Cream Cake 18 A	25.25	-	-	-
Ice Cream Cake 19 A	22.97	-	-	-
Island Cookies 02 A	22.7	-	-	-
Island Cookies 04 A	21.28	-	-	-
Island Cookies 05 A	22.83	-	-	-
Island Cookies 08 A	24.77	-	-	-
Island Cookies 10 A	21.96	-	-	-
Jungle Juice 02 A	20.89	-	-	-
Jungle Juice 03 A	26.02	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Jungle Juice 05 A	20.66	-	-	-
Jungle Juice 07 A	25.3	-	-	-
Jungle Juice 12 A	23.12	-	-	-
Lem Chry Gel x BI Velvet 02 A	22.01	-	-	-
Lem Chry Gel x BI Velvet 03 A	24.01	-	-	-
Lem Chry Gel x BI Velvet 04 A	25.9	-	-	-
Lem Chry Gel x BI Velvet 05 A	20.58	-	-	-

Amplification Plots:

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





















