



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1553

Target pathogen: Hop Latent Viroid

23 February 2024



Order details:

Client: Kaprikorn
Target Pathogen: Hop Latent Viroid
Date Sampled: 02/21/2024
Date Received: 02/22/2024
Date Reported: 02/23/2024
Total samples: 74

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	-	30.38	-	+
.Positive 2	-	-	24.84	+
Gary Payton 05 A	27.57	-	-	-
Gary Payton 06 A	27.01	-	-	-
Gary Payton 10 A	25.26	-	-	-
Gary Payton 12 A	25.95	-	-	-
Gary Payton 15 A	26.78	-	-	-
Goofiez 02 A	23.63	-	-	-
Goofiez 04 A	27.29	-	-	-
Goofiez 07 A	24.09	-	-	-
Goofiez 08 A	24.29	-	-	-
Goofiez 09 A	24.54	-	-	-
Gush Mints 02 A	25.03	-	-	-
Gush Mints 04 A	25.89	-	-	-
Gush Mints 06 A	25.88	-	-	-
Gush Mints 09 A	26.49	-	-	-
Gush Mints 15 A	24.52	-	-	-
Lemon Pastries 05 A	25.65	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Lemon Pastries 06 A	24.85	-	-	-
Lemon Pastries 09 A	26.67	-	-	-
Lemon Pastries 10 A	23.86	-	-	-
Lemon Pastries 15 A	22.37	-	-	-
London Pound Cake #97 03 A	24.14	-	-	-
London Pound Cake #97 07 A	25.22	-	-	-
London Pound Cake #97 08 A	23.43	-	-	-
London Pound Cake #97 12 A	23.28	-	-	-
London Pound Cake #97 14 A	25.78	-	-	-
Modified Grapes 01 A	27.19	-	-	-
Modified Grapes 03 A	25.47	-	-	-
Modified Grapes 05 A	25.35	-	-	-
Modified Grapes 09 A	26.57	-	-	-
Modified Grapes 12 A	24.82	-	-	-
Modified Grapes 15 A	29.9	-	-	-
Ooh La La 01 A	27.03	-	-	-
Ooh La La 04 A	24.83	-	-	-
Ooh La La 05 A	25.26	-	-	-
Ooh La La 06 A	26.25	-	-	-
Ooh La La 14 A	25.19	-	-	-
Pavé 01 A	25.82	-	-	-
Pavé 05 A	27.89	-	-	-
Pavé 07 A	24.05	-	-	-
Pavé 08 A	24.99	-	-	-
Pavé 09 A	26.75	-	-	-
Pavé 14 A	25.98	-	-	-
Pavé B 10 A	22.7	-	-	-
The Soap 03 A	26.5	-	-	-
The Soap 06 A	21.31	-	-	-
The Soap 07 A	25.52	-	-	-
The Soap 12 A	23.21	-	-	-
The Soap 14 A	27.17	-	-	-
The Soap 15 A	26.17	-	-	-
Tropicanna Cherries 01 A	26.37	-	-	-
Tropicanna Cherries 03 A	24.5	-	-	-
Tropicanna Cherries 05 A	25.07	-	-	-
Tropicanna Cherries 08 A	25.8	-	-	-
Tropicanna Cherries 09 A	23.67	-	-	-
Tropicanna Cherries 12 A	25.8	-	-	-
Tropicanna Cherries 13 A	27.72	-	-	-
Tropicanna Cherries 15 A	24.4	-	-	-
White Choc Chip #8 02 A	24.23	-	-	-
White Choc Chip #8 04 A	25.41	-	-	-
White Choc Chip #8 10 A	24.53	-	-	-
White Choc Chip #8 11 A	24.28	-	-	-
White Choc Chip #8 14 A	24.93	-	-	-
Zoap 01 A	26.08	-	-	-
Zoap 05 A	23.59	-	-	-
Zoap 08 A	26.49	-	-	-
Zoap 12 A	27.06	-	-	-
Zoap 13 A	23.5	-	-	-
Zoap 15 A	25.22	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Zoap B 06 A	24.01	-	-	-
Zonkerz 04 A	26.95	-	-	-
Zonkerz 06 A	27.33	-	-	-
Zonkerz 07 A	28.12	-	-	-
Zonkerz 12 A	25.13	-	-	-
Zonkerz 13 A	27.47	-	-	-

Amplification Plots:

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



















