



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1422

Target pathogen: Hop Latent Viroid

13 November 2023

Order details:

Client: Kaprikorn
Target Pathogen: Hop Latent Viroid
Date Sampled: 11/08/2023
Date Received: 11/10/2023
Date Reported: 11/13/2023
Total samples: 73

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	-	23.4	-	+
.Positive 2	-	-	22.71	+
Concrete Jungle 02 A	22.84	-	-	-
Concrete Jungle 04 A	21.53	-	-	-
Concrete Jungle 05 A	24.07	-	-	-
Concrete Jungle 07 A	25.16	-	-	-
Concrete Jungle 12 A	22.52	-	-	-
Concrete Jungle 14 A	22.94	-	-	-
Gary Payton 01 A	23.48	-	-	-
Gary Payton 04 A	24.79	-	-	-
Gary Payton 05 A	25.59	-	-	-
Gary Payton 06 A	22.83	-	-	-
Gary Payton 11 A	24.49	-	-	-
Gary Payton 15 A	22.3	-	-	-
Georgia Pie 04 A	25.72	-	-	-
Georgia Pie 07 A	24.29	-	-	-
Georgia Pie 08 A	25.15	-	-	-
Georgia Pie 11 A	24.96	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Georgia Pie 12 A	25.95	-	-	-
Georgia Pie 15 A	27.73	-	-	-
Gush Mints 02 A	27.22	-	-	-
Gush Mints 03 A	24.04	-	-	-
Gush Mints 07 A	28.54	-	-	-
Gush Mints 09 A	24.59	-	-	-
Lemon Pastries 04 A	26.11	-	-	-
Lemon Pastries 05 A	26.34	-	-	-
Lemon Pastries 08 A	28	-	-	-
Lemon Pastries 12 A	31.3	-	-	-
Lemon Pastries 13 A	26.22	-	-	-
London Pound Cake #97 01 A	25.97	-	-	-
London Pound Cake #97 03 A	28.02	-	-	-
London Pound Cake #97 04 A	26.06	-	-	-
London Pound Cake #97 10 A	25.13	-	-	-
London Pound Cake #97 12 A	24.8	-	-	-
Modified Grapes 01 A	27.63	-	-	-
Modified Grapes 03 A	25.76	-	-	-
Modified Grapes 05 A	27.93	-	-	-
Modified Grapes 09 A	28.22	-	-	-
Modified Grapes 10 A	28.62	-	-	-
Ooh La La 01 A	27.02	-	-	-
Ooh La La 10 A	25.44	-	-	-
Ooh La La 11 A	25.41	-	-	-
Ooh La La 15 A	26.05	-	-	-
Purple Push P 03 A	25.22	-	-	-
Purple Push P 06 A	27.28	-	-	-
Purple Push P 11 A	25.98	-	-	-
Purple Push P 13 A	29.19	-	-	-
Purple Push P 14 A	26.64	-	-	-
The Soap 02 A	27.22	-	-	-
The Soap 03 A	27.53	-	-	-
The Soap 04 A	26.08	-	-	-
The Soap 05 A	26.97	-	-	-
The Soap 09 A	25.19	-	-	-
The Soap 12 A	25.59	-	-	-
The Soap 15 A	26.27	-	-	-
The Soap 19 A	26.54	-	-	-
Tropicanna Cherries 01 A	26.23	-	-	-
Tropicanna Cherries 02 A	25.09	-	-	-
Tropicanna Cherries 06 A	27.07	-	-	-
Tropicanna Cherries 12 A	26.9	-	-	-
Tropicanna Cherries 13 A	26.05	-	-	-
White Choc Chip #8 01 A	25.29	-	-	-
White Choc Chip #8 05 A	26.72	-	-	-
White Choc Chip #8 08 A	25.09	-	-	-
White Choc Chip #8 09 A	22.97	-	-	-
White Choc Chip #8 10 A	23.89	-	-	-
White Choc Chip #8 14 A	23.86	-	-	-
White Choc Chip #8 15 A	24.27	-	-	-
Zonkerz 01 A	27.45	-	-	-
Zonkerz 02 A	24.55	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Zonkerz 03 A	24.43	-	-	-
Zonkerz 08 A	24.81	-	-	-
Zonkerz 09 A	24.05	-	-	-
Zonkerz 12 A	25.79	-	-	-
Zonkerz 14 A	25.15	-	-	-

Amplification Plots:

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



















