



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1374

Target pathogen: Hop Latent Viroid

08 September 2023



Order details:

Client: Kaprikorn
Target Pathogen: Hop Latent Viroid
Date Sampled: 09/06/2023
Date Received: 09/07/2023
Date Reported: 09/08/2023
Total samples: 76

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	-	24.1	-	+
.Positive 2	-	-	27.37	+
Acai Gelato 02 A	27.02	-	-	-
Acai Gelato 07 A	26.04	-	-	-
Acai Gelato 12 A	27.15	-	-	-
Acai Gelato 13 A	28.4	-	-	-
Acai Gelato 16 A	28.07	-	-	-
Animal Face 03 A	26.92	-	-	-
Animal Face 06 A	26.53	-	-	-
Animal Face 09 A	29.05	-	-	-
Animal Face 15 A	27.76	-	-	-
Animal Face 17 A	28.8	-	-	-
Banana Breath 06 A	28.16	-	-	-
Banana Breath 11 A	27.96	-	-	-
Banana Breath 12 A	26.5	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Banana Breath 16 A	27.56	-	-	-
Banana Breath 20 A	27.88	-	-	-
Banana Cooler 01 A	27.47	-	-	-
Banana Cooler 03 A	24.97	-	-	-
Banana Cooler 04 A	26.08	-	-	-
Banana Cooler 07 A	27.41	-	-	-
Banana Cooler 09 A	26.03	-	-	-
Gary Eyes 02 A	25.16	-	-	-
Gary Eyes 03 A	28.07	-	-	-
Gary Eyes 07 A	28.21	-	-	-
Gary Eyes 08 A	26.43	-	-	-
Gary Eyes 09 A	27.37	-	-	-
Grape Gasoline 02 A	29.55	-	-	-
Grape Gasoline 05 A	28.61	-	-	-
Grape Gasoline 09 A	28.85	-	-	-
Mac 1 01 A	26.13	-	-	-
Mac 1 04 A	24.98	-	-	-
Mac 1 05 A	26.42	-	-	-
Mac 1 06 A	24.89	-	-	-
Mac 1 09 A	26.22	-	-	-
Mac 1 11 A	26.75	-	-	-
Mac 1 14 A	29.91	-	-	-
Menage 06 A	29.05	-	-	-
Menage 09 A	27.6	-	-	-
Menage 10 A	28.57	-	-	-
Menage 11 A	27.18	-	-	-
Menage 14 A	26.09	-	-	-
Midnight Cookies 02 A	27	-	-	-
Midnight Cookies 04 A	27.02	-	-	-
Midnight Cookies 05 A	26.45	-	-	-
Midnight Cookies 07 A	27.14	-	-	-
Midnight Cookies 10 A	28.24	-	-	-
Modified Grapes 01 A	27.29	-	-	-
Modified Grapes 05 A	26.39	-	-	-
Modified Grapes 09 A	29.03	-	-	-
Modified Grapes 15 A	26.04	-	-	-
Pineapple Fruz 02 A	27.48	-	-	-
Pineapple Fruz 04 A	25.7	-	-	-
Pineapple Fruz 11 A	27.03	-	-	-
Pineapple Fruz 12 A	24.98	-	-	-
Pineapple Fruz 15 A	27.99	-	-	-
Pineapple Fruz 18 A	25.83	-	-	-
Purple Churro 06 A	27.72	-	-	-
Purple Churro 08 A	27.2	-	-	-
Purple Churro 09 A	26.96	-	-	-
Purple Punch 04 A	29.61	-	-	-
Purple Punch 10 A	29.72	-	-	-
Southern Sugar 03 A	24.88	-	-	-
Southern Sugar 05 A	25.21	-	-	-
Southern Sugar 07 A	25.16	-	-	-
Southern Sugar 09 A	25.73	-	-	-
Southern Sugar 10 A	24.95	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Southern Sugar 13 A	24.29	-	-	-
Tokyo Snow 03 A	29.19	-	-	-
Tokyo Snow 05 A	26.8	-	-	-
Tokyo Snow 07 A	26.89	-	-	-
Tokyo Snow 10 A	27.86	-	-	-
Tokyo Snow 20 A	25.54	-	-	-
Zlurpee 03 A	25.93	-	-	-
Zlurpee 07 A	25.43	-	-	-
Zlurpee 12 A	24.79	-	-	-
Zlurpee 15 A	26.99	-	-	-
Zlurpee 18 A	27.94	-	-	-

Amplification Plots:

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







































