



GENIELAB

TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1320

Target pathogen: Hop Latent Viroid

07 July 2023

Order details:

Client: Kaprikorn
Target Pathogen: Hop Latent Viroid
Date Sampled: 07/05/2023
Date Received: 07/06/2023
Date Reported: 07/07/2023
Total samples: 41

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	-	27.37	-	+
.Positive 2	-	-	26.96	+
GMO Uku 01 A	27.35	-	-	-
GMO Uku 02 A	26.03	-	-	-
GMO Uku 03 A	26.6	-	-	-
GMO Uku 04 A	27.51	-	-	-
GMO Uku 05 A	26.19	-	-	-
Grapes & Cream 01 A	27.23	-	-	-
Grapes & Cream 05 A	27.32	-	-	-
Grapes & Cream 08 A	27.36	-	-	-
Grapes & Cream 09 A	27.98	-	-	-
Honey Bun 06 A	28.24	-	-	-
Honey Bun 08 A	29.52	-	-	-
Honey Bun 10 A	25.92	-	-	-
Honey Bun 14 A	25.91	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Honey Bun 15 A	26.59	-	-	-
Jack Herer 03 A	28.05	-	-	-
Jack Herer 04 A	27.3	-	-	-
Jungle Juice 03 A	27.63	-	-	-
Jungle Juice 06 A	29.17	-	-	-
Jungle Juice 07 A	27.89	-	-	-
Jungle Juice 12 A	27.15	-	-	-
Jungle Juice 14 A	27.22	-	-	-
Mule Fuel 01 A	29.62	-	-	-
Mule Fuel 08 A	28.24	-	-	-
Mule Fuel 09 A	28.44	-	-	-
Strawguava Wilson 03 A	25.73	-	-	-
Strawguava Wilson 04 A	26.88	-	-	-
Strawguava Wilson 05 A	27.74	-	-	-
Strawguava Wilson 10 A	26.21	-	-	-
Strawguava Wilson 14 A	26.44	-	-	-
Tropsicle 01 A	30.93	-	-	-
Tropsicle 03 A	28	-	-	-
Tropsicle 06 A	27.24	-	-	-
Tropsicle 08 A	28.54	-	-	-
Tropsicle 10 A	28.37	-	-	-
Tropsicle 14 A	29.35	-	-	-
White Truffle 02 A	26.38	-	-	-
White Truffle 03 A	26.56	-	-	-
White Truffle 05 A	27.76	-	-	-
White Truffle 06 A	27.59	-	-	-
White Truffle 07 A	27.26	-	-	-
White Truffle 11 A	28.16	-	-	-

Amplification Plots:

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





















