



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 2078

Target pathogen: Hop Latent Viroid

13 December 2024



Order details:

Client: Kaprikorn
Target Pathogen: Hop Latent Viroid
Date Sampled: 12/11/2024
Date Received: 12/12/2024
Date Reported: 12/13/2024
Total samples: 66

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	-	29.67	-	+
.Positive 2	-	-	27.29	+
Acai Gelato 45605	30.15	-	-	-
Acai Gelato 45606	30.17	-	-	-
Apple Tartz 45751	29.32	-	-	-
Apple Tartz 45752	30.77	-	-	-
Apple Tartz 45753	31.44	-	-	-
Apple Tartz 45754	29.45	-	-	-
Apple Tartz 45755	30.47	-	-	-
Apple Tartz 45756	29.07	-	-	-
Apple Tartz 45757	29.46	-	-	-
Big Buns 03	31.14	-	-	-
Big Buns 04	28.41	-	-	-
Big Buns 05	29.2	-	-	-
Big Buns 08	33.12	-	-	-
Big Buns 09	30.17	-	-	-
Big Buns 13	29.24	-	-	-
Big Buns 15	26.73	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Big Buns 18	27.99	-	-	-
Big Buns 19	27.35	-	-	-
Black Sundae 45262	29.34	-	-	-
Blue Lobster 44063	27.38	-	-	-
Bluemosas 02	29.01	-	-	-
Bluemosas 03	27.11	-	-	-
Bluemosas 05	26.84	-	-	-
Bluemosas 06	29.45	-	-	-
Bluemosas 09	28.32	-	-	-
Bluemosas 16	27.98	-	-	-
Bluemosas 18	30.9	-	-	-
Bluemosas 19	28.55	-	-	-
Bluemosas 20	29.07	-	-	-
Cadillac Rainbows 45766	28.53	-	-	-
Cadillac Rainbows 45767	28.94	-	-	-
Cadillac Rainbows 45768	26.24	-	-	-
Cadillac Rainbows 45769	29.36	-	-	-
Cadillac Rainbows 45770	30.44	-	-	-
Cadillac Rainbows 45771	28.42	-	-	-
Cherry Dosi 45503	30.65	-	-	-
Cherry Dosi 45504	29.28	-	-	-
Cherry Dosi 45505	29.2	-	-	-
Cherry Dosi 45506	31.14	-	-	-
Cherry Dosi 45507	28.31	-	-	-
Cookie Monster 45443	31.1	-	-	-
Dark Queen #8 44057	31.36	-	-	-
Dark Queen #8 44058	30.51	-	-	-
Dark Queen #8 45434	30.93	-	-	-
Dark Queen #8 45435	29.08	-	-	-
Dark Queen #8 45436	27.19	-	-	-
Dark Queen #8 45437	27.49	-	-	-
Dark Queen #8 45438	30.06	-	-	-
Dark Queen #8 45439	28.5	-	-	-
Dark Queen #8 45440	28.77	-	-	-
Dark Queen 45498	28.43	-	-	-
Dark Queen 45499	30.12	-	-	-
Dark Queen 45500	30.01	-	-	-
Dark Queen 45501	23.26	-	-	-
Dark Queen 45502	28.2	-	-	-
Dawg Cake 45422	28.26	-	-	-
Dawg Cake 45423	28.68	-	-	-
Devil's Den #1 44134	30.87	-	-	-
Devil's Den #1 45584	28.94	-	-	-
Devil's Den #1 45585	29.25	-	-	-
Devil's Den #1 45586	29.41	-	-	-
Devil's Den #1 45587	28.89	-	-	-
Devil's Den #1 45588	29.74	-	-	-
Devil's Den #1 45589	29.71	-	-	-
Devil's Den #1 45590	27.71	-	-	-
Garlic Juice 43779	29.02	-	-	-

Amplification Plots:

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

















