



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: 78

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	-	26.55	-	+
.Positive 2	-	-	26.28	+
Apple Fritter 01 A	26.5	-	-	-
Apple Fritter 05 A	25.03	-	-	-
Apple Fritter 07 A	26.88	-	-	-
Apple Fritter 09 A	28.62	-	-	-
Apple Fritter 10 A	26.74	-	-	-
Apple Slapz 02 A	26.01	-	-	-
Apple Slapz 04 A	26.39	-	-	-
Apple Slapz 05 A	26.98	-	-	-
Apple Slapz 09 A	29.68	-	-	-
Apple Slapz 14 A	26.15	-	-	-
Candy Rain 03 A	25.69	-	-	-
Candy Rain 05 A	26.44	-	-	-
Candy Rain 07 A	27.1	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Candy Rain 10 A	28.28	-	-	-
Candy Rain 15 A	27.14	-	-	-
Caribbean Cookies 02 A	25.16	-	-	-
Caribbean Cookies 03 A	25.74	-	-	-
Caribbean Cookies 08 A	25.6	-	-	-
Caribbean Cookies 09 A	27.95	-	-	-
Caribbean Cookies 12 A	29.65	-	-	-
Christmas Tree 02 A	28.57	-	-	-
Christmas Tree 03 A	27.56	-	-	-
Christmas Tree 06 A	25.35	-	-	-
Christmas Tree 13 A	25.18	-	-	-
Christmas Tree 15 A	25.54	-	-	-
College Park 02 A	25.8	-	-	-
College Park 03 A	27.58	-	-	-
College Park 09 A	24.95	-	-	-
College Park 11 A	27.01	-	-	-
College Park 15 A	24.82	-	-	-
Cream Filling 02 A	25.57	-	-	-
Cream Filling 04 A	26.31	-	-	-
Cream Filling 05 A	25.63	-	-	-
Cream Filling 09 A	27.1	-	-	-
Cream Filling 12 A	26.41	-	-	-
Cream Filling 14 A	24.95	-	-	-
Frosted Flakez 02 A	28.5	-	-	-
Frosted Flakez 03 A	27.5	-	-	-
Frosted Flakez 07 A	26.78	-	-	-
Frosted Flakez 10 A	24.87	-	-	-
Maui Blood 40214	27.94	-	-	-
Maui Blood 40215	27.84	-	-	-
Permanent Marker 40216	28.84	-	-	-
Permanent Marker 40217	27.7	-	-	-
Pink RNTZ 39436	28.73	-	-	-
Pink RNTZ 39437	26.27	-	-	-
Pink RNTZ 39438	28.49	-	-	-
Pink RNTZ 39439	27.2	-	-	-
Pink RNTZ 39440	29.35	-	-	-
Pink Trufflez 40218	30.32	-	-	-
Pink Trufflez 40219	28.79	-	-	-
Power Mintz 38977	27.38	-	-	-
Power Mintz 38978	26.79	-	-	-
Power Mintz 38979	27.63	-	-	-
Purple Churro 40220	28.13	-	-	-
Purple Churro 40221	28.33	-	-	-
Spritzer 39441	28.5	-	-	-
Spritzer 39442	26.03	-	-	-
Spritzer 39443	27.44	-	-	-
Super Charger 39444	26.55	-	-	-
Super Charger 39445	26.93	-	-	-
Super Charger 39446	27.27	-	-	-
Tropsicle 38982	26.24	-	-	-
Tropsicle 38983	27.52	-	-	-
Tropsicle 38984	27.05	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Tropsicle 38985	28.21	-	-	-
Tropsicle 38986	25.47	-	-	-
Tropsicle 38987	27.08	-	-	-
Tropsicle 38988	26.78	-	-	-
Tropsicle 38989	27.35	-	-	-
Watermelon Jealousy 40222	29.15	-	-	-
Watermelon Jealousy 40223	28.5	-	-	-
White Truffle 39447	26.98	-	-	-
White Truffle 39448	27.15	-	-	-
White Truffle 39449	27.7	-	-	-
White Truffle 39450	28.15	-	-	-
White Truffle 39451	27.91	-	-	-
White Truffle 39452	27.24	-	-	-

Amplification Plots:

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







































