



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1553

Target pathogen: Hop Latent Viroid

23 February 2024



Order details:

Client: Kaprikorn
Target Pathogen: Hop Latent Viroid
Date Sampled: 02/21/2024
Date Received: 02/22/2024
Date Reported: 02/23/2024
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	-	29.95	-	+
.Positive 2	-	-	24.9	+
8 inch Bagel 02 A	30.53	-	-	-
8 inch Bagel 04 A	25.38	-	-	-
8 inch Bagel 07 A	26.28	-	-	-
8 inch Bagel 09 A	28.07	-	-	-
8 inch Bagel 13 A	26.79	-	-	-
8 inch Bagel 14 A	26.37	-	-	-
8 inch Bagel 15 A	26	-	-	-
8 inch Bagel 20 A	27.33	-	-	-
Cali Burger 05 A	28.31	-	-	-
Cali Burger 07 A	28.14	-	-	-
Cali Burger 09 A	28.66	-	-	-
Cali Burger 14 A	30.22	-	-	-
Cali Burger 15 A	28.21	-	-	-
Cap Junky 02 A	31.37	-	-	-
Cap Junky 04 A	27.94	-	-	-
Cap Junky 09 A	26.03	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Cap Junky 11 A	28.12	-	-	-
Cap Junky 12 A	25.6	-	-	-
Cap Junky 13 A	30.11	-	-	-
Carbon Fiber 01 A	30.89	-	-	-
Carbon Fiber 09 A	26.57	-	-	-
Carbon Fiber 12 A	27.74	-	-	-
Carbon Fiber 13 A	28.43	-	-	-
Carbon Fiber 16 A	28.07	-	-	-
Carbon Fiber 20 A	25.91	-	-	-
Coconut Milk 04 A	26.45	-	-	-
Coconut Milk 05 A	28.22	-	-	-
Coconut Milk 07 A	26.03	-	-	-
Coconut Milk 10 A	25.56	-	-	-
Coconut Milk 12 A	26.8	-	-	-
Coconut Milk 13 A	25.76	-	-	-
Coconut Milk 14 A	26.19	-	-	-
Coconut Milk 15 A	26.56	-	-	-
Gary Eyes 04 A	26.89	-	-	-
Gary Eyes 08 A	25.29	-	-	-
Gary Eyes 09 A	26.69	-	-	-
Gary Eyes 10 A	24.14	-	-	-
Gary Eyes 14 A	25.3	-	-	-
Lemon Cherry Gelato 42016	29.28	-	-	-
Lemon Cherry Gelato 42017	28.94	-	-	-
Lemon Cherry Gelato 42018	29.4	-	-	-
Lemon Cherry Gelato 42019	28.9	-	-	-
Lemon Cherry Gelato 42247	27.98	-	-	-
Lemon Cherry Gelato 42248	26.99	-	-	-
Lemon Cherry Gelato 42249	24.54	-	-	-
Lemon Cherry Gelato 42250	27.84	-	-	-
Lemon Cherry Gelato 42251	28.8	-	-	-
Lemon Cherry Gelato 42252	27.64	-	-	-
NF 90 42002	28.32	-	-	-
NF 90 42037	27.84	-	-	-
Noize Complaint 42103	27.84	-	-	-
Noize Complaint 42104	27.23	-	-	-
Noize Complaint 42105	28.78	-	-	-
Noize Complaint 42106	28.17	-	-	-
Noize Complaint 42107	29.27	-	-	-
Permanent Marker 41682	28.61	-	-	-
Permanent Marker 41968	28.67	-	-	-
Permanent Marker 41969	28.06	-	-	-
Permanent Marker 41970	27.91	-	-	-
Permanent Marker 41971	29.14	-	-	-
Permanent Marker 41972	27.64	-	-	-
Pink Trufflez 41973	28.94	-	-	-
Pink Trufflez 41974	27.35	-	-	-
Pink Trufflez 41975	26.24	-	-	-
Pink Trufflez 41976	27.82	-	-	-
Pink Trufflez 41977	27.32	-	-	-
Redneck Bubba 42076	26.55	-	-	-
Redneck Bubba 42077	27.12	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Redneck Bubba 42078	25.92	-	-	-
Redneck Bubba 42079	27.17	-	-	-
Redneck Bubba 42080	27.17	-	-	-
Watermelon Gelato 42285	27.23	-	-	-
Watermelon Gelato 42286	28.25	-	-	-
Watermelon Gelato 42287	27.95	-	-	-
Watermelon Gelato 42288	27.07	-	-	-
Watermelon Gelato 42289	25.76	-	-	-

Amplification Plots:

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





















