



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1935

Target pathogen: Hop Latent Viroid

30 August 2024



Order details:

Client: Kaprikorn
Target Pathogen: Hop Latent Viroid
Date Sampled: 08/28/2024
Date Received: 08/29/2024
Date Reported: 08/30/2024
Total samples: 80

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	-	22.26	-	+
.Positive 2	-	-	27.61	+
Acai Gelato 43996	28.08	-	-	-
Acai Gelato 43997	28.42	-	-	-
Acai Gelato 43998	28.08	-	-	-
Acai Gelato 43999	29.17	-	-	-
Acai Gelato 44000	29.27	-	-	-
Apples & Bananas 43989	27.96	-	-	-
Apples & Bananas 43990	27.5	-	-	-
Apples & Bananas 43991	27.24	-	-	-
Apples & Bananas 43992	27.28	-	-	-
Apples & Bananas 43993	27.72	-	-	-
Apples & Bananas 43994	27.12	-	-	-
Apples & Bananas 43995	27.73	-	-	-
Double Stuffed 43982	27.33	-	-	-
Double Stuffed 43983	29.21	-	-	-
Double Stuffed 43984	27.92	-	-	-
Double Stuffed 43985	28.51	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Goofiez 43969	28.81	-	-	-
Goofiez 43970	29.32	-	-	-
Goofiez 43971	27.37	-	-	-
Goofiez 43972	27.21	-	-	-
Goofiez 43973	26.45	-	-	-
Mothball 43770	30.63	-	-	-
OPP 42921	28.85	-	-	-
OPP 42922	28.17	-	-	-
Papaya Juice 43775	27.89	-	-	-
Permanent Lee Hi 45255	28.58	-	-	-
Permanent Lee Hi 45256	28.96	-	-	-
Prosecco #1 42923	27.87	-	-	-
Prosecco #1 42924	28.62	-	-	-
Purple Chrome #8 01	26.9	-	-	-
Purple Chrome #8 05	26.43	-	-	-
Purple Chrome #8 08	28.56	-	-	-
Purple Chrome #8 12	27.84	-	-	-
Purple Chrome #8 14	27.16	-	-	-
Purple Chrome #8 16	27.16	-	-	-
Purple Chrome #8 18	26.43	-	-	-
Purple Chrome #8 19	25.85	-	-	-
Purple Chrome #8 20	27.25	-	-	-
Red Pave 42927	28.52	-	-	-
SFV x Pakistani #5 02	25.78	-	-	-
SFV x Pakistani #5 05	27.87	-	-	-
SFV x Pakistani #5 06	26.36	-	-	-
SFV x Pakistani #5 08	27.91	-	-	-
SFV x Pakistani #5 14	25.46	-	-	-
SFV x Pakistani #5 15	28.14	-	-	-
SFV x Pakistani #5 16	25.01	-	-	-
SFV x Pakistani #5 17	24.38	-	-	-
SFV x Pakistani #5 20	27.02	-	-	-
Shave Ice #4 42928	27.22	-	-	-
Shave Ice #4 42930	26.33	-	-	-
Shave Ice #4 42931	26.61	-	-	-
Shave Ice #4 42932	28.87	-	-	-
Smashburger #27 02	27.29	-	-	-
Smashburger #27 03	27.55	-	-	-
Smashburger #27 05	27.76	-	-	-
Smashburger #27 12	28.18	-	-	-
Smashburger #27 13	26.86	-	-	-
Smashburger #27 15	27.96	-	-	-
Smashburger #27 16	26.94	-	-	-
Smashburger #27 17	29.66	-	-	-
Smashburger #27 18	26.74	-	-	-
Southern Sunset 45261	27.06	-	-	-
Strawberry Pie 43771	29.13	-	-	-
Stunna Runtz 01	26.44	-	-	-
Stunna Runtz 02	25.33	-	-	-
Stunna Runtz 03	27.2	-	-	-
Stunna Runtz 04	26.97	-	-	-
Stunna Runtz 05	26.28	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Sub Zero 44074	28.29	-	-	-
Sub Zero 44075	26.11	-	-	-
Sub Zero 44076	27.03	-	-	-
Sub Zero 44077	26.49	-	-	-
Sub Zero 44078	28.54	-	-	-
Trapzilla 44045	26.97	-	-	-
Trapzilla 44046	26.83	-	-	-
Trop Cherry Runtz 45257	28.22	-	-	-
Trop Cherry Runtz 45258	27.89	-	-	-
Watermelon Wonder 45259	28.69	-	-	-
Watermelon Wonder 45260	27.96	-	-	-
White Fire OG 43773	28.73	-	-	-

Amplification Plots:

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





















