



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1959

Target pathogen: Hop Latent Viroid

20 September 2024



Order details:

Client: Kaprikorn
Target Pathogen: Hop Latent Viroid
Date Sampled: 09/18/2024
Date Received: 09/19/2024
Date Reported: 09/20/2024
Total samples: 79

NUMBER SAMPLES INFECTED: 2

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	-	25.4	-	+
.Positive 2	-	-	29.25	+
Animal Mintz x Kush Mintz 42914	28.37	-	-	-
Animal Mintz x Kush Mintz 42915	30.11	24.09	28.38	+
Apple Tartz 43778	28.57	-	-	-
Big Buns 43986	29.98	-	-	-
Big Buns 43987	29.25	-	-	-
Big Buns 43988	27.46	-	-	-
Black Maple 44069	29.15	-	-	-
Black Maple 44070	29.16	-	-	-
Black Maple 44071	28.7	-	-	-
Black Maple 44072	29.86	-	-	-
Black Maple 44073	30.8	-	-	-
Black Sundae 45262	29.47	-	-	-
Blue Lobster 44063	29.4	-	-	-
Bluemosas 43960	30.34	-	-	-
Bluemosas 43961	30.16	-	-	-
Cadillac Rainbows 43774	29.42	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Dark Queen #6 42911	29.47	-	-	-
Dark Queen #8 44057	27.97	-	-	-
Dark Queen #8 44058	28.89	-	-	-
Devil's Den #1 44134	29.88	-	-	-
Garlic Juice 43779	28.47	-	-	-
Garlic Juice 44079	27.46	-	-	-
Garlic Juice 44080	28.88	-	-	-
Garlic Juice 44081	28.97	-	-	-
Garlic Juice 44082	29.62	-	-	-
Garlic Juice 44083	28.58	-	-	-
Gastro Pop #1 42916	29.96	-	-	-
Gastro Pop #1 42917	30.14	-	-	-
Gorilla Breath 44059	28.91	-	-	-
Grape Popper 44060	27.64	-	-	-
Grape Popper 44061	30.11	-	-	-
Grape Popper 44062	27.89	-	-	-
Ice Cream x Gelato 44066	29.71	-	-	-
Ice Cream x Gelato 44067	28.83	-	-	-
Ice Cream x Gelato 44068	29.2	-	-	-
Kozeto #15 42933	29.23	-	-	-
Lem Cherry x Soap 44064	29.48	-	-	-
Lem Cherry x Soap 44065	30.08	-	-	-
Lemon Vuitton 43776	29.46	-	-	-
Melted Strawberries 43772	28	-	-	-
Mothball 43770	28.91	-	-	-
OPP 42921	28.56	-	-	-
OPP 42922	28.05	-	-	-
Papaya Juice 43775	28	-	-	-
Permanent Lee Hi 45255	27.47	-	-	-
Permanent Lee Hi 45256	29.49	-	-	-
Prosecco #1 42923	28.71	-	-	-
Prosecco #1 42924	30.04	-	-	-
Red Pave 42927	29.31	-	-	-
Shave Ice #4 42928	31.98	-	-	-
Shave Ice #4 42930	29.78	-	-	-
Shave Ice #4 42931	29.65	-	-	-
Shave Ice #4 42932	30.43	-	-	-
Southern Sunset 45261	28.01	-	-	-
Strawberry Pie 43771	29.31	-	-	-
Stunna Runtz 45381	27.41	-	-	-
Stunna Runtz 45382	27.21	-	-	-
Trap Fuel 44089	30.17	-	-	-
Trap Fuel 44090	28.81	-	-	-
Trap Fuel 44091	28.47	-	-	-
Trap Fuel 44092	27.03	-	-	-
Trap Fuel 44093	28.2	-	-	-
Velvet Cherry 44127	27.79	-	-	-
Velvet Cherry 44128	28.1	-	-	-
Velvet Cherry 44129	28.32	-	-	-
Velvet Cherry 44130	27.91	-	-	-
Velvet Cherry 44131	28.3	-	-	-
Velvet Cherry 44132	28.66	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Velvet Cherry 44133	28.48	-	-	-
White Choc Chip #8 44006	29.01	-	-	-
White Choc Chip #8 44007	29.22	-	-	-
White Choc Chip #8 44008	29.97	-	-	-
White Choc Chip #8 44009	29.85	-	-	-
White Choc Chip #8 44010	29.39	-	-	-
Zlurpee 44084	29.88	-	-	-
Zlurpee 44085	29.45	-	-	-
Zlurpee 44086	27.04	-	-	-
Zlurpee 44087	29.35	16.98	21.21	+
Zlurpee 44088	29.05	-	-	-

Amplification Plots:

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





















