



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1488

Target pathogen: Hop Latent Viroid

12 January 2024



Order details:

Client: Kaprikorn
Target Pathogen: Hop Latent Viroid
Date Sampled: 01/09/2024
Date Received: 01/12/2024
Date Reported: 01/12/2024
Total samples: 53

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	-	25.57	-	+
.Positive 2	-	-	28	+
Rainbow Sherb 11 13 A	24.57	-	-	-
Rainbow Sherb 11 17 A	27.67	-	-	-
Rainbow Sherb 11 18 A	23.02	-	-	-
Rainbow Sherb 11 3 A	24.86	-	-	-
Rainbow Sherb 11 4 A	25.06	-	-	-
Rainbow Sherb 11 6 A	27.72	-	-	-
Rainbow Sherb 11 7 A	24.88	-	-	-
Rainbow Sherb 11 9 A	25.85	-	-	-
Redneck Bubba 11 A	25.66	-	-	-
Redneck Bubba 12 A	25.65	-	-	-
Redneck Bubba 3 A	27.35	-	-	-
Redneck Bubba 7 A	26.2	-	-	-
Redneck Bubba 9 A	23.87	-	-	-
Super Charger 1 A	24.33	-	-	-
Super Charger 10 A	23.17	-	-	-
Super Charger 11 A	24.07	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Super Charger 15 A	25.17	-	-	-
Super Charger 16 A	24.7	-	-	-
Super Charger 18 A	24.76	-	-	-
Super Charger 19 A	24.25	-	-	-
Super Charger 3 A	25.27	-	-	-
Super Charger 4 A	24.26	-	-	-
Super Charger 6 A	24.52	-	-	-
The Emerald Cut 1 A	27	-	-	-
The Emerald Cut 13 A	25.68	-	-	-
The Emerald Cut 14 A	26.44	-	-	-
The Emerald Cut 15 A	26.05	-	-	-
The Emerald Cut 2 A	27.68	-	-	-
The Emerald Cut 3 A	23.78	-	-	-
The Emerald Cut 5 A	27.01	-	-	-
Tropicanna Cherries 1 A	24.96	-	-	-
Tropicanna Cherries 10 A	24.39	-	-	-
Tropicanna Cherries 18 A	21.15	-	-	-
Tropicanna Cherries 2 A	23.7	-	-	-
Tropicanna Cherries 5 A	27.33	-	-	-
Tropicanna Cherries 6 A	22.56	-	-	-
White Truffle 10 A	25	-	-	-
White Truffle 18 A	25.45	-	-	-
White Truffle 23 A	24.63	-	-	-
White Truffle 31 A	23.56	-	-	-
White Truffle 38 A	25.72	-	-	-
White Truffle 45 A	21.84	-	-	-
Wonder Dawg 1 A	23.95	-	-	-
Wonder Dawg 5 A	23.84	-	-	-
Wonder Dawg 7 A	24.36	-	-	-
Zazhimi 12 A	24.5	-	-	-
Zazhimi 13 A	25.22	-	-	-
Zazhimi 2 A	24.04	-	-	-
Zazhimi 3 A	26.11	-	-	-
Zazhimi 5 A	22.07	-	-	-
Zazhimi 7 A	25.26	-	-	-
Zazhimi 8 A	23.51	-	-	-
Zazhimi 9 A	23.78	-	-	-

Amplification Plots:

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













