



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1959

Target pathogen: Hop Latent Viroid

19 September 2024



Order details:

Client: Kaprikorn
Target Pathogen: Hop Latent Viroid
Date Sampled: 09/18/2024
Date Received: 09/19/2024
Date Reported: 09/19/2024
Total samples: 80

NUMBER SAMPLES INFECTED: 1

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 | - | 25.35 | - | + |
| .Positive 2 | - | - | 29.32 | + |
| Amaretto Sour 44177 | 31.29 | - | - | - |
| Amaretto Sour 44178 | 30.49 | - | - | - |
| Amaretto Sour 44179 | 29.82 | - | - | - |
| Amaretto Sour 44180 | 28.44 | - | - | - |
| Amaretto Sour 44181 | 29.3 | - | - | - |
| Banana Cooler 44170 | 30.4 | - | - | - |
| Banana Cooler 44171 | 30.92 | - | - | - |
| Banana Cooler 44172 | 31.85 | - | - | - |
| Banana Cooler 44173 | 30.98 | - | - | - |
| Banana Cooler 44174 | 30.1 | - | - | - |
| Banana Cooler 44175 | 29.51 | - | - | - |
| Banana Cooler 44176 | 30.46 | - | - | - |
| Cali Burger 44165 | 30.4 | - | - | - |
| Cali Burger 44166 | 31.81 | - | - | - |
| Cali Burger 44167 | 31.26 | - | - | - |
| Cali Burger 44168 | 31.97 | - | - | - |

| Identifier | Control | HLVd #1 | HLVd #2 | HLVd Status |
|------------------------|---------|---------|---------|-------------|
| Cali Burger 44169 | 32.44 | - | - | - |
| Coconut Milk 44160 | 29.65 | - | - | - |
| Coconut Milk 44161 | 30.42 | - | - | - |
| Coconut Milk 44162 | 32.01 | - | - | - |
| Coconut Milk 44163 | 30.91 | - | - | - |
| Coconut Milk 44164 | 30.51 | - | - | - |
| Gary Payton 44156 | 30.21 | - | - | - |
| Gary Payton 44157 | 33.04 | - | - | - |
| Gary Payton 44158 | 30.82 | - | - | - |
| Gary Payton 44159 | 31.82 | - | - | - |
| Grape Gasoline 44149 | 30.2 | - | - | - |
| Grape Gasoline 44150 | 30.94 | - | - | - |
| Grape Gasoline 44151 | 30.92 | - | - | - |
| Grape Gasoline 44152 | 31.28 | - | - | - |
| Grape Gasoline 44153 | 31.11 | - | - | - |
| Grape Gasoline 44154 | 31.84 | - | - | - |
| Grape Gasoline 44155 | 31.11 | - | - | - |
| Ice Cream Cake 44142 | 30.43 | - | - | - |
| Ice Cream Cake 44143 | 29.05 | - | - | - |
| Ice Cream Cake 44144 | 30.49 | - | - | - |
| Ice Cream Cake 44145 | 30.87 | - | - | - |
| Ice Cream Cake 44146 | 30.71 | - | - | - |
| Ice Cream Cake 44147 | 31.86 | 17.02 | 21.26 | + |
| Ice Cream Cake 44148 | 31.09 | - | - | - |
| Jack Herer 44135 | 29.69 | - | - | - |
| Jack Herer 44136 | 29.07 | - | - | - |
| Jack Herer 44137 | 29.74 | - | - | - |
| Jack Herer 44138 | 29.14 | - | - | - |
| Jack Herer 44139 | 30.45 | - | - | - |
| Jack Herer 44140 | 31.57 | - | - | - |
| Jack Herer 44141 | 30.68 | - | - | - |
| Lizard Burger #8 44122 | 29.41 | - | - | - |
| Lizard Burger #8 44123 | 30.24 | - | - | - |
| Lizard Burger #8 44124 | 31.73 | - | - | - |
| Lizard Burger #8 44125 | 30.19 | - | - | - |
| Lizard Burger #8 44126 | 31.38 | - | - | - |
| Menage 44115 | 30.66 | - | - | - |
| Menage 44116 | 29.17 | - | - | - |
| Menage 44117 | 28.96 | - | - | - |
| Menage 44118 | 29 | - | - | - |
| Menage 44119 | 29.04 | - | - | - |
| Menage 44120 | 29.92 | - | - | - |
| Menage 44121 | 28.23 | - | - | - |
| Modified Grapes 44111 | 29.07 | - | - | - |
| Modified Grapes 44112 | 29.36 | - | - | - |
| Modified Grapes 44113 | 31.4 | - | - | - |
| Modified Grapes 44114 | 29.97 | - | - | - |
| Purple Churro 44104 | 28.77 | - | - | - |
| Purple Churro 44105 | 29.6 | - | - | - |
| Purple Churro 44106 | 28.36 | - | - | - |
| Purple Churro 44107 | 29.07 | - | - | - |
| Purple Churro 44108 | 29.44 | - | - | - |

| Identifier | Control | HLVd #1 | HLVd #2 | HLVd Status |
|----------------------|---------|---------|---------|-------------|
| Purple Churro 44109 | 29.09 | - | - | - |
| Purple Churro 44110 | 28.9 | - | - | - |
| Supreme Lee-Hi 44099 | 29.16 | - | - | - |
| Supreme Lee-Hi 44100 | 28.52 | - | - | - |
| Supreme Lee-Hi 44101 | 29.44 | - | - | - |
| Supreme Lee-Hi 44102 | 29.41 | - | - | - |
| Supreme Lee-Hi 44103 | 28.26 | - | - | - |
| The Soap 44094 | 28.12 | - | - | - |
| The Soap 44095 | 29.2 | - | - | - |
| The Soap 44096 | 29.14 | - | - | - |
| The Soap 44097 | 29.13 | - | - | - |
| The Soap 44098 | 33.75 | - | - | - |

Amplification Plots:

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





















