



GENIELAB

TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1299

Target pathogen: Hop Latent Viroid

15 June 2023

Order details:

Client: Kaprikorn
Target Pathogen: Hop Latent Viroid
Date Sampled: 06/14/23
Date Received: 06/15/23
Date Reported: 06/16/23
Total samples: 90

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 | - | 25.99 | - | + |
| .Positive 2 | - | - | 27.02 | + |
| Black Scotti 39006 | 29.92 | - | - | - |
| Black Scotti 39007 | 31.54 | - | - | - |
| Black Scotti 39008 | 31.21 | - | - | - |
| Carbon Fiber 39009 | 26.5 | - | - | - |
| Carbon Fiber 39010 | 32.95 | - | - | - |
| Carbon Fiber 39011 | 32.8 | - | - | - |
| Durban Poison 39012 | 32.33 | - | - | - |
| Durban Poison 39013 | 28.65 | - | - | - |
| Durban Poison 39014 | 30.38 | - | - | - |
| Gary Payton 39015 | 28.06 | - | - | - |
| Gary Payton 39016 | 32.02 | - | - | - |
| Gary Payton 39017 | 29.36 | - | - | - |
| Gelato 33 39018 | 29.63 | - | - | - |

| Identifier | Control | HLVd #1 | HLVd #2 | HLVd Status |
|-----------------------------|---------|---------|---------|-------------|
| Gelato 33 39019 | 29.04 | - | - | - |
| Georgia Pie 38792 | 28.69 | - | - | - |
| Georgia Pie 38793 | 26.18 | - | - | - |
| Georgia Pie 38794 | 27.31 | - | - | - |
| Grape Animals 39020 | 27.83 | - | - | - |
| Grape Animals 39022 | 27.89 | - | - | - |
| Grape Animals 39023 | 27.74 | - | - | - |
| Grape Animals 39024 | 28.79 | - | - | - |
| Grape Animals 39025 | 27.51 | - | - | - |
| Grape Animals 39026 | 28.3 | - | - | - |
| Grape Gasoline 39028 | 27.41 | - | - | - |
| Grape Gasoline 39029 | 30.05 | - | - | - |
| Grape Gasoline 39030 | 27.8 | - | - | - |
| Ice Cream Cake 39031 | 27.14 | - | - | - |
| Ice Cream Cake 39032 | 29.79 | - | - | - |
| Ice Cream Cake 39033 | 28.14 | - | - | - |
| Ice Cream Cake 39034 | 28.31 | - | - | - |
| Ice Cream Cake 39035 | 28.36 | - | - | - |
| Ice Cream Cake 39036 | 27.88 | - | - | - |
| Ice Cream Cake 39037 | 28.54 | - | - | - |
| Ice Cream Cake 39038 | 27.64 | - | - | - |
| Jelly Donutz 38810 | 29.14 | - | - | - |
| Jelly Donutz 38811 | 30.99 | - | - | - |
| Jelly Donutz 38812 | 26.88 | - | - | - |
| Jelly Donutz 38813 | 26.78 | - | - | - |
| Jelly Donutz 38814 | 26.82 | - | - | - |
| Jelly Donutz 38815 | 28.02 | - | - | - |
| Jokerz 39039 | 28.81 | - | - | - |
| Jokerz 39040 | 26.97 | - | - | - |
| Jokerz 39041 | 27.28 | - | - | - |
| Jungle Juice 38936 | 28.04 | - | - | - |
| Jungle Juice 38939 | 28.72 | - | - | - |
| Jungle Juice 38941 | 28.67 | - | - | - |
| Lemon Pastries 39042 | 26.83 | - | - | - |
| Lemon Pastries 39043 | 27.6 | - | - | - |
| Lemon Pastries 39044 | 28.04 | - | - | - |
| Lemon Pastries 39045 | 28.08 | - | - | - |
| Lemon Pastries 39046 | 29.37 | - | - | - |
| Lemon Pastries 39047 | 29.28 | - | - | - |
| London Pound Cake #97 39048 | 26.07 | - | - | - |
| London Pound Cake #97 39049 | 29.35 | - | - | - |
| London Pound Cake #97 39050 | 29.89 | - | - | - |
| Mac 1 39051 | 28 | - | - | - |
| Mac 1 39052 | 27.87 | - | - | - |
| Mac 1 39053 | 27.5 | - | - | - |
| Mac 1 39054 | 27.91 | - | - | - |
| Mac 1 39055 | 28.71 | - | - | - |
| Mac 1 39056 | 26.18 | - | - | - |
| Modified Grapes 38720 | 29.25 | - | - | - |
| Modified Grapes 38721 | 30.28 | - | - | - |
| Modified Grapes 38723 | 30.02 | - | - | - |
| Modified Grapes 38724 | 28.53 | - | - | - |

| Identifier | Control | HLVd #1 | HLVd #2 | HLVd Status |
|--------------------------|---------|---------|---------|-------------|
| Modified Grapes 38725 | 29.14 | - | - | - |
| Modified Grapes 38726 | 29.93 | - | - | - |
| Modified Grapes 38727 | 29.56 | - | - | - |
| Ooh La La 39057 | 29.53 | - | - | - |
| Ooh La La 39058 | 27.27 | - | - | - |
| Ooh La La 39059 | 28.03 | - | - | - |
| Ooh La La 39060 | 26.31 | - | - | - |
| Ooh La La 39061 | 28.45 | - | - | - |
| Ooh La La 39062 | 28.62 | - | - | - |
| Ooh La La 39063 | 29.36 | - | - | - |
| Ooh La La 39064 | 27.89 | - | - | - |
| Purple Push Pop 39065 | 26.15 | - | - | - |
| Purple Push Pop 39066 | 25.34 | - | - | - |
| Purple Push Pop 39067 | 25.58 | - | - | - |
| Purple Push Pop 39068 | 25.07 | - | - | - |
| Purple Push Pop 39069 | 26.71 | - | - | - |
| Purple Push Pop 39070 | 27.78 | - | - | - |
| Purple Push Pop 39071 | 26.89 | - | - | - |
| Purple Push Pop 39072 | 26.78 | - | - | - |
| The Soap 38844 | 28.09 | - | - | - |
| The Soap 38845 | 29.17 | - | - | - |
| The Soap 38846 | 31.7 | - | - | - |
| White Choc Chip #8 39076 | 31.07 | - | - | - |
| White Choc Chip #8 39077 | 28.67 | - | - | - |
| White Choc Chip #8 39078 | 27.95 | - | - | - |

Amplification Plots:

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













































