



GENIELAB

TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1286

Target pathogen: Hop Latent Viroid

26 May 2023

Order details:

Client: Kaprikorn
Target Pathogen: Hop Latent Viroid
Date Sampled: 05/24/23
Date Received: 05/25/23
Date Reported: 05/26/23
Total samples: 92

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	-	24.23	-	+
.Positive 2	-	-	27.02	+
After Dark 38525 N4	29.38	-	-	-
After Dark 38526 N4	27.66	-	-	-
Apple Fritter 38878 S23	28.05	-	-	-
Apple Fritter 38879 S23	27.9	-	-	-
Apple Fritter 38880 S23	27.55	-	-	-
Apple Fritter 38881 S23	29.7	-	-	-
Apple Fritter 38882 S23	28.01	-	-	-
Apple Fritter 38883 S23	27.07	-	-	-
Apple Slapz 38884 S22	27.06	-	-	-
Apple Slapz 38885 S22	25.88	-	-	-
Apple Slapz 38886 S22	28.05	-	-	-
Apple Slapz 38887 S22	28.42	-	-	-
Apple Slapz 38888 S22	28.71	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Apple Slapz 38889 S22	28.13	-	-	-
Apple Slapz 38890 S22	28.83	-	-	-
Apple Slapz 38891 S22	29.28	-	-	-
Candy Rain 38893 S23	27.01	-	-	-
Candy Rain 38894 S23	31.85	-	-	-
Candy Rain 38895 S23	29.06	-	-	-
Candy Rain 38897 S23	27.99	-	-	-
Candy Rain 38899 S23	28.18	-	-	-
Caribbean Cookies 38900 S26	28.17	-	-	-
Caribbean Cookies 38901 S26	25.43	-	-	-
Caribbean Cookies 38902 S26	30.81	-	-	-
Caribbean Cookies 38903 S26	28.24	-	-	-
Caribbean Cookies 38904 S26	29.01	-	-	-
Caribbean Cookies 38905 S26	29.3	-	-	-
Caribbean Cookies 38906 S26	26.11	-	-	-
Christmas Tree 38908 S27	27.43	-	-	-
Christmas Tree 38909 S27	28.53	-	-	-
Christmas Tree 38910 S27	28.21	-	-	-
Christmas Tree 38911 S27	26.38	-	-	-
Christmas Tree 38912 S27	27.42	-	-	-
Christmas Tree 38913 S27	25.24	-	-	-
Christmas Tree 38914 S27	27.4	-	-	-
Christmas Tree 38915 S27	29.02	-	-	-
College Park 38916 S28	27.07	-	-	-
College Park 38917 S28	26.93	-	-	-
College Park 38918 S28	27.36	-	-	-
College Park 38919 S28	27.45	-	-	-
College Park 38920 S28	30.74	-	-	-
College Park 38921 S28	28.42	-	-	-
College Park 38922 S28	30.03	-	-	-
College Park 38923 S28	28.55	-	-	-
Frosted Flakez 38924 S29	27.87	-	-	-
Frosted Flakez 38925 S29	28.25	-	-	-
Frosted Flakez 38926 S29	29.19	-	-	-
Frosted Flakez 39001 S29	30.02	-	-	-
Frosted Flakez 39002 S29	28.22	-	-	-
Frosted Flakez 39003 S29	28.53	-	-	-
Frosted Flakez 39004 S29	29.51	-	-	-
Frosted Flakez 39005 S29	28.97	-	-	-
Grapes & Cream 38927 S33	27.53	-	-	-
Grapes & Cream 38928 S33	31.13	-	-	-
Grapes & Cream 38929 S33	30.38	-	-	-
Grapes & Cream 38930 S33	28.08	-	-	-
Grapes & Cream 38931 S33	28.32	-	-	-
Grapes & Cream 38932 S33	31.5	-	-	-
Grapes & Cream 38933 S33	31.03	-	-	-
Honey Bun 38801 N14	28.03	-	-	-
Honey Bun 38802 N14	28.29	-	-	-
Honey Bun 38803 N14	28.34	-	-	-
Jungle Juice 38935 S31	27.7	-	-	-
Jungle Juice 38936 S31	27.65	-	-	-
Jungle Juice 38937 S31	27.98	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Jungle Juice 38938 S31	28.1	-	-	-
Jungle Juice 38939 S31	27.59	-	-	-
Jungle Juice 38940 S31	27.39	-	-	-
Jungle Juice 38941 S31	28.9	-	-	-
Jungle Juice 38942 S31	26.5	-	-	-
Kush Crasher 38943 S25	27.91	-	-	-
Kush Crasher 38944 S25	30.71	-	-	-
Kush Crasher 38945 S25	31.82	-	-	-
Kush Crasher 38946 S25	31.17	-	-	-
Kush Crasher 38947 S25	27.96	-	-	-
Kush Crasher 38948 S25	29.58	-	-	-
Modified Grapes 38720 S11	27.85	-	-	-
Modified Grapes 38721 S11	30.08	-	-	-
Modified Grapes 38723 S11	29.6	-	-	-
Modified Grapes 38724 S11	27.72	-	-	-
Modified Grapes 38725 S11	29.93	-	-	-
Modified Grapes 38726 S11	29.52	-	-	-
Modified Grapes 38727 S11	29.89	-	-	-
Mule Fuel 38957 S26	30.61	-	-	-
Mule Fuel 38958 S26	30.13	-	-	-
Mule Fuel 38959 S26	30.07	-	-	-
Mule Fuel 38960 S26	28.58	-	-	-
Oreoz 38961 S32	28.33	-	-	-
Oreoz 38962 S32	28.38	-	-	-
Oreoz 38963 S32	30.65	-	-	-
Oreoz 38964 S32	30.66	-	-	-
Oreoz 38965 S32	28.81	-	-	-

Amplification Plots:

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















































