



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1553

Target pathogen: Hop Latent Viroid

23 February 2024



Order details:

Client: Kaprikorn
Target Pathogen: Hop Latent Viroid
Date Sampled: 02/21/2024
Date Received: 02/22/2024
Date Reported: 02/23/2024
Total samples: 76

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

Identifer	Control	HLVd #1	HLVd #2	HLVd Status
.Positive 1	-	24.05	-	+
.Positive 2	-	-	24.76	+
Acai Gelato 41900	27.04	-	-	-
Acai Gelato 41901	28.39	-	-	-
Acai Gelato 41902	28.39	-	-	-
Acai Gelato 41903	29.41	-	-	-
Acai Gelato 41904	30.09	-	-	-
Acai Gelato 41905	29.66	-	-	-
Banana Cooler 41911	28.82	-	-	-
Banana Cooler 41912	29.57	-	-	-
Banana Cooler 41913	29.6	-	-	-
Banana Cooler 41914	28.97	-	-	-
Banana Cooler 41915	30.33	-	-	-
Banana Cooler 41916	29.24	-	-	-
Banana Cooler 41917	26.17	-	-	-
Banana Cooler 41918	27.78	-	-	-
Cali Burger 41919	28.64	-	-	-
Cali Burger 41920	29.21	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Cali Burger 41921	27.88	-	-	-
Cali Burger 41922	29.6	-	-	-
Carbon Fiber 42024	27.33	-	-	-
Carbon Fiber 42025	29.08	-	-	-
Carbon Fiber 42026	29.19	-	-	-
Carbon Fiber 42027	27.3	-	-	-
Carbon Fiber 42028	28.91	-	-	-
Carbon Fiber 42029	28.38	-	-	-
Carbon Fiber 42030	26.58	-	-	-
Carbon Fiber 42031	27.45	-	-	-
Coconut Milk 41766	27.6	-	-	-
Coconut Milk 41767	29.06	-	-	-
Coconut Milk 41768	28.05	-	-	-
Coconut Milk 41769	30.46	-	-	-
Coconut Milk 41770	27.72	-	-	-
Coconut Milk 41771	29.09	-	-	-
Coconut Milk 41772	28.82	-	-	-
Divine Banana 41923	28.71	-	-	-
Divine Banana 41924	28.12	-	-	-
Divine Banana 41925	27.61	-	-	-
Divine Banana 41926	28.1	-	-	-
Divine Banana 41927	26.44	-	-	-
Divine Banana 41928	27.75	-	-	-
Divine Banana 41929	27.9	-	-	-
Gary Eyes 41930	29.46	-	-	-
Gary Eyes 41931	27.35	-	-	-
Gary Eyes 41932	29.09	-	-	-
Gary Eyes 41933	29.42	-	-	-
Gary Eyes 41934	27.7	-	-	-
Gas Face #1 41884	29.15	-	-	-
Gas Face #1 41885	29.31	-	-	-
Gas Face #1 41886	28.85	-	-	-
Gas Face #1 41887	27.52	-	-	-
Gas Face #1 41888	26.96	-	-	-
Gas Face #1 41889	27.64	-	-	-
Gas Face #1 41890	27.72	-	-	-
Gas Face #1 41891	26.85	-	-	-
Gas Face #1 41892	29.12	-	-	-
Gas Face #1 41893	29.05	-	-	-
Gas Face #1 41935	27.2	-	-	-
Gas Face #1 41936	28.6	-	-	-
Gas Face #1 41937	27.91	-	-	-
Gas Face #1 41938	26.37	-	-	-
Gas Face #1 41939	27.81	-	-	-
Gas Face #1 41940	27.86	-	-	-
Georgia Pie 41941	26.96	-	-	-
Georgia Pie 41942	27.12	-	-	-
Georgia Pie 41943	27.51	-	-	-
Georgia Pie 41944	28.17	-	-	-
Goofiez 41643	28.06	-	-	-
Goofiez 41644	29.9	-	-	-
Goofiez 41645	29.47	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Goofiez 41646	28.9	-	-	-
Ice Cream Cake 41945	28.53	-	-	-
Ice Cream Cake 41946	27.05	-	-	-
Ice Cream Cake 41947	28.85	-	-	-
Ice Cream Cake 41948	27.24	-	-	-
Ice Cream Cake 41949	27.97	-	-	-
Ice Cream Cake 41950	27.46	-	-	-
Ice Cream Cake 41951	27.89	-	-	-

Amplification Plots:

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





















