



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1902

Target pathogen: Hop Latent Viroid

09 August 2024



**Order details:**

**Client:** Kaprikorn  
**Target Pathogen:** Hop Latent Viroid  
**Date Sampled:** 08/07/2024  
**Date Received:** 08/08/2024  
**Date Reported:** 08/09/2024  
**Total samples:** 79

**NUMBER SAMPLES INFECTED:** 0

**Results interpretation:**

**C<sub>T</sub> (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<sub>T</sub>  
EXCELLENT: 27 - 30 C<sub>T</sub>  
GREAT: 30 - 32 C<sub>T</sub>  
OKAY: 32 - 35 C<sub>T</sub>  
FAIL: >35 C<sub>T</sub>

**HLVd** - Detection C<sub>T</sub> and relative amount of HLVd in the sample:

HIGH: <15 - 20 C<sub>T</sub>  
MEDIUM: 21 - 28 C<sub>T</sub>  
LOW: 29 - <35 C<sub>T</sub>  
INCONCLUSIVE: >35 C<sub>T</sub>

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
.Positive 1	-	29.44	-	+
.Positive 2	-	-	23.68	+
Garlic Pavé 43927	29.36	-	-	-
Garlic Pavé 43928	27.93	-	-	-
Garlic Pavé 43929	28.87	-	-	-
Garlic Pavé 43930	27.01	-	-	-
Garlic Pavé 43931	29.08	-	-	-
Garlic Pavé 43932	31.96	-	-	-
Garlic Pavé 43933	30.33	-	-	-
Garlic Pavé 43934	25.18	-	-	-
Gary Payton 43877	29.45	-	-	-
Gary Payton 43878	25.61	-	-	-
Gary Payton 43879	24.99	-	-	-
Gary Payton 43880	29.12	-	-	-
Gary Payton 43881	26.88	-	-	-
Gary Payton 43882	26.59	-	-	-
Gary Payton 43883	27.77	-	-	-
Gas Face #1 43884	27.68	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Gas Face #1 43885	29.22	-	-	-
Gas Face #1 43886	31.15	-	-	-
Gas Face #1 43887	29.01	-	-	-
Gush Mints 43888	27.23	-	-	-
Gush Mints 43889	26.19	-	-	-
Gush Mints 43890	26.64	-	-	-
Gush Mints 43891	29.44	-	-	-
Ice Cream Cake 43892	29.77	-	-	-
Ice Cream Cake 43893	30.19	-	-	-
Ice Cream Cake 43894	27.12	-	-	-
Ice Cream Cake 43895	26.44	-	-	-
Ice Cream Cake 43896	28.76	-	-	-
Ice Cream Cake 43897	27.97	-	-	-
Ice Cream Cake 43898	27.79	-	-	-
Lemon Cherry Gelato 43899	30.54	-	-	-
Lemon Cherry Gelato 43900	30.4	-	-	-
Lemon Cherry Gelato 43901	28.6	-	-	-
Lemon Cherry Gelato 43902	29.94	-	-	-
Lemon Cherry Gelato 43903	28.61	-	-	-
Lemon Cherry Gelato 43904	30.1	-	-	-
Lemon Pastries 43905	29.15	-	-	-
Lemon Pastries 43906	32.91	-	-	-
Lemon Pastries 43907	27.87	-	-	-
Lemon Pastries 43908	29.9	-	-	-
Lemon Pastries 43909	28.32	-	-	-
Lemon Pastries 43910	29.29	-	-	-
Lemon Pastries 43911	26.17	-	-	-
Lemon Pastries 43912	29.53	-	-	-
Modified Grapes 43913	28.36	-	-	-
Modified Grapes 43914	28.87	-	-	-
Modified Grapes 43915	28.25	-	-	-
Modified Grapes 43916	28.09	-	-	-
Modified Grapes 43917	30.55	-	-	-
Ooh La La 43920	27.67	-	-	-
Ooh La La 43921	27.95	-	-	-
Ooh La La 43922	28.79	-	-	-
Ooh La La 43923	27.08	-	-	-
Ooh La La 43924	27.51	-	-	-
Ooh La La 43925	30.86	-	-	-
Ooh La La 43926	28.61	-	-	-
The Soap 43935	29.35	-	-	-
The Soap 43936	27.17	-	-	-
The Soap 43937	28.92	-	-	-
The Soap 43938	27.35	-	-	-
The Soap 43939	28.83	-	-	-
Tropicanna Cherries 43940	31.53	-	-	-
Tropicanna Cherries 43941	31.65	-	-	-
Tropicanna Cherries 43942	28.39	-	-	-
Tropicanna Cherries 43943	30.28	-	-	-
Tropicanna Cherries 43944	30.33	-	-	-
White Choc Chip #8 43752	31.51	-	-	-
White Choc Chip #8 43753	28.88	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
White Choc Chip #8 43754	30.94	-	-	-
White Choc Chip #8 43755	28.7	-	-	-
White Choc Chip #8 43756	27.77	-	-	-
Zoap 43945	26.96	-	-	-
Zoap 43946	28.96	-	-	-
Zoap 43947	29.05	-	-	-
Zoap 43948	27.17	-	-	-
Zoap 43949	29.2	-	-	-
Zoap 43950	26.42	-	-	-
Zoap 43951	26.99	-	-	-
Zoap 43952	30.03	-	-	-

**Amplification Plots:**

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























