



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1488

Target pathogen: Hop Latent Viroid

12 January 2024



**Order details:**

**Client:** Kaprikorn  
**Target Pathogen:** Hop Latent Viroid  
**Date Sampled:** 01/09/2024  
**Date Received:** 01/11/2024  
**Date Reported:** 01/12/2024  
**Total samples:** 78

**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	-	28.22	-	+
.Positive 2	-	-	29.57	+
Gas Face #1 41893	24.01	-	-	-
Georgia Pie 41748	26.13	-	-	-
Georgia Pie 41749	25.31	-	-	-
Georgia Pie 41750	24.12	-	-	-
Georgia Pie 41751	25.05	-	-	-
Georgia Pie 41752	25.35	-	-	-
Georgia Pie 41753	27.43	-	-	-
Goofiez 41643	25.64	-	-	-
Goofiez 41644	26.46	-	-	-
Goofiez 41645	26.14	-	-	-
Goofiez 41646	24.81	-	-	-
Gush Mints 41744	24.63	-	-	-
Gush Mints 41745	25.87	-	-	-
Gush Mints 41746	28.86	-	-	-
Gush Mints 41747	24.13	-	-	-
Ice Cream Cake 41945	29.56	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Ice Cream Cake 41946	20.43	-	-	-
Ice Cream Cake 41947	21.91	-	-	-
Ice Cream Cake 41948	23.07	-	-	-
Ice Cream Cake 41949	24.93	-	-	-
Ice Cream Cake 41950	26.37	-	-	-
Ice Cream Cake 41951	25.87	-	-	-
Lemon Pastries 41738	24.65	-	-	-
Lemon Pastries 41739	27.87	-	-	-
Lemon Pastries 41740	22.38	-	-	-
Lemon Pastries 41741	26.07	-	-	-
Lemon Pastries 41743	23.76	-	-	-
London Pound Cake #97 41733	25.38	-	-	-
London Pound Cake #97 41734	22.6	-	-	-
London Pound Cake #97 41735	24.75	-	-	-
London Pound Cake #97 41736	22.46	-	-	-
London Pound Cake #97 41737	23.93	-	-	-
Modified Grapes 41728	23.32	-	-	-
Modified Grapes 41729	23.87	-	-	-
Modified Grapes 41730	24.15	-	-	-
Modified Grapes 41731	24.99	-	-	-
Modified Grapes 41732	23.17	-	-	-
Ooh La La 41724	22.75	-	-	-
Ooh La La 41725	24.15	-	-	-
Ooh La La 41726	24.68	-	-	-
Ooh La La 41727	22.28	-	-	-
Purple Push P 41719	21.85	-	-	-
Purple Push P 41720	23.71	-	-	-
Purple Push P 41721	24.16	-	-	-
Purple Push P 41722	25.28	-	-	-
Purple Push P 41723	26.02	-	-	-
Super Charger 41581	23.46	-	-	-
Super Charger 41582	24.09	-	-	-
Super Charger 41583	23.59	-	-	-
Super Charger 41584	24.66	-	-	-
Super Charger 41585	25.06	-	-	-
The Soap 41711	29.6	-	-	-
The Soap 41712	24.13	-	-	-
The Soap 41713	24.11	-	-	-
The Soap 41714	24.88	-	-	-
The Soap 41715	24.56	-	-	-
The Soap 41716	20.98	-	-	-
The Soap 41717	23.62	-	-	-
The Soap 41718	25.4	-	-	-
Tropicanna Cherries 41706	24.37	-	-	-
Tropicanna Cherries 41707	24.12	-	-	-
Tropicanna Cherries 41708	25.87	-	-	-
Tropicanna Cherries 41709	25.15	-	-	-
Tropicanna Cherries 41710	24.83	-	-	-
White Choc Chip #8 41699	27.17	-	-	-
White Choc Chip #8 41700	26.91	-	-	-
White Choc Chip #8 41701	27.36	-	-	-
White Choc Chip #8 41702	25.85	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
White Choc Chip #8 41703	26.92	-	-	-
White Choc Chip #8 41704	27.89	-	-	-
White Choc Chip #8 41705	28.56	-	-	-
Zonkerz 41693	24.55	-	-	-
Zonkerz 41694	25.9	-	-	-
Zonkerz 41695	25.53	-	-	-
Zonkerz 41696	27.19	-	-	-
Zonkerz 41697	25.09	-	-	-
Zonkerz 41698	27.29	-	-	-
Zonkerz 41742	25.89	-	-	-

**Amplification Plots:**

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























