



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1797

Target pathogen: Hop Latent Viroid

07 June 2024



**Order details:**

**Client:** Kaprikorn  
**Target Pathogen:** Hop Latent Viroid  
**Date Sampled:** 06/05/2024  
**Date Received:** 06/06/2024  
**Date Reported:** 06/07/2024  
**Total samples:** 70

**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	-	24.15	-	+
.Positive 2	-	-	26.7	+
818 Headband 42670	24.07	-	-	-
Animal Mintz x Kush Mintz 42914	23.31	-	-	-
Animal Mintz x Kush Mintz 42915	24.34	-	-	-
Apple Tartz 43778	25.63	-	-	-
Big Detroit Energy 42671	24.56	-	-	-
Cadillac Rainbows 43774	24.96	-	-	-
Dante's Inferno 42302	26.53	-	-	-
DantesCookieJar 42672	26.04	-	-	-
Dark Queen #6 42911	27.6	-	-	-
Dark Queen #8 42303	22.99	-	-	-
Devils Den #1 42673	26.17	-	-	-
Devils Den #2 42913	24.11	-	-	-
Drama Queen 42674	25.88	-	-	-
Garlic Juice 43779	25.06	-	-	-
Gary Eyes 01	22.27	-	-	-
Gary Eyes 05	22.57	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Gary Eyes 06	24.7	-	-	-
Gary Eyes 11	25.67	-	-	-
Gary Eyes 14	24.88	-	-	-
Gary Eyes 42346	24.82	-	-	-
Gary Eyes 42347	24.2	-	-	-
Gary Eyes 42348	23.96	-	-	-
Gary Eyes 42349	24.1	-	-	-
Gary Eyes 42350	26.49	-	-	-
Gary Eyes 42612	24	-	-	-
Gary Eyes 42613	24.51	-	-	-
Gary Eyes 42614	23.77	-	-	-
Gary Eyes 42615	23.97	-	-	-
Gary Eyes 42616	25.31	-	-	-
Gastro Pop #1 42916	26.64	-	-	-
Gastro Pop #1 42917	26.49	-	-	-
Gastro Pop #2 42918	24.87	-	-	-
Gastro Pop #2 42919	25.65	-	-	-
Gorilla Breath 42301	23.56	-	-	-
Hash Burger 43777	23.7	-	-	-
Jack Murphy 42912	24.06	-	-	-
Kozeto #15 42933	24.99	-	-	-
Lem Chry Gel x Bl Velvet 42304	24.24	-	-	-
Lemon Vuitton 43776	25.31	-	-	-
Lizard Burger #8 42658	25.42	-	-	-
Lizard Burger #8 42659	25.54	-	-	-
Lizard Burger #8 42660	24.14	-	-	-
Lizard Burger #8 42661	24.15	-	-	-
Melted Strawberries 43772	25.58	-	-	-
Mothball 43770	24.17	-	-	-
OPP 42921	24.9	-	-	-
OPP 42922	25.08	-	-	-
Papaya Juice 43775	26.32	-	-	-
Prosecco #1 42923	26.06	-	-	-
Prosecco #1 42924	26.08	-	-	-
Purple Chrome #8 42925	25.64	-	-	-
Purple Chrome #8 42926	24.86	-	-	-
Red Pave 42927	25.59	-	-	-
SFV x Pakistani #10 42676	24.43	-	-	-
SFV x Pakistani #5 42675	24.55	-	-	-
Shave Ice #4 42928	24.71	-	-	-
Shave Ice #4 42930	25.04	-	-	-
Shave Ice #4 42931	24.8	-	-	-
Shave Ice #4 42932	24.09	-	-	-
Smashburger #27 42929	24.81	-	-	-
Strawberry Pie 43771	24.37	-	-	-
Supreme Lee-Hi 42662	28.89	-	-	-
Supreme Lee-Hi 42663	26.7	-	-	-
Supreme Lee-Hi 42664	25.35	-	-	-
Supreme Lee-Hi 42665	27	-	-	-
Trap Fuel 42666	24.8	-	-	-
Trap Fuel 42667	23.97	-	-	-
Trap Fuel 42668	24.6	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Trap Fuel 42669	24.59	-	-	-
White Fire OG 43773	24.19	-	-	-

**Amplification Plots:**

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





















