



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1516

Target pathogen: Hop Latent Viroid

02 February 2024



**Order details:**

**Client:** Kaprikorn  
**Target Pathogen:** Hop Latent Viroid  
**Date Sampled:** 01/31/2024  
**Date Received:** 02/01/2024  
**Date Reported:** 02/02/2024  
**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	-	27.9	-	+
.Positive 2	-	-	26.65	+
Amaretto Sour 41906	24.46	-	-	-
Amaretto Sour 41907	22.5	-	-	-
Amaretto Sour 41908	22.46	-	-	-
Amaretto Sour 41909	24.21	-	-	-
Amaretto Sour 41910	26.85	-	-	-
Jokerz 41813	23.36	-	-	-
Jokerz 41814	22.88	-	-	-
Jokerz 41815	24.21	-	-	-
Jokerz 41816	27.03	-	-	-
Jokerz 41817	22.13	-	-	-
Jokerz 41818	22.86	-	-	-
Jokerz 41819	21.4	-	-	-
Jungle Juice 41820	28.48	-	-	-
Jungle Juice 41821	24.06	-	-	-
Jungle Juice 41822	22.92	-	-	-
Jungle Juice 41823	22.03	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Jungle Juice 41824	22.94	-	-	-
Kush Crasher 41825	22.97	-	-	-
Kush Crasher 41826	29.06	-	-	-
Kush Crasher 41827	25.48	-	-	-
Kush Crasher 41828	22.78	-	-	-
Kush Crasher 41829	23.52	-	-	-
Mendo Coco 41830	23	-	-	-
Mendo Coco 41831	24.02	-	-	-
Mendo Coco 41832	22.98	-	-	-
Mendo Coco 41833	24.39	-	-	-
Mendo Coco 41834	23.91	-	-	-
Mule Fuel 41835	22.69	-	-	-
Mule Fuel 41836	23.69	-	-	-
Mule Fuel 41837	22.32	-	-	-
Pink RNTZ 41838	23.89	-	-	-
Pink RNTZ 41839	23.26	-	-	-
Pink RNTZ 41840	23.01	-	-	-
Pink RNTZ 41841	32.62	-	-	-
Pink RNTZ 41842	22.33	-	-	-
Pink RNTZ 41895	27.71	-	-	-
Pink RNTZ 41896	28.35	-	-	-
Pink RNTZ 41897	22	-	-	-
Pink RNTZ 41898	22.08	-	-	-
Pink RNTZ 41899	23.65	-	-	-
Punch Breath 41843	22.34	-	-	-
Punch Breath 41844	24.49	-	-	-
Punch Breath 41845	23.91	-	-	-
Punch Breath 41846	22.81	-	-	-
Punch Breath 41847	21.73	-	-	-
Punch Breath 41848	22.72	-	-	-
Punch Breath 41849	22.63	-	-	-
Punch Breath 41850	22.78	-	-	-
Spritzer 41578	27.16	-	-	-
Spritzer 41579	23.6	-	-	-
Spritzer 41580	25	-	-	-
Super Charger 42009	26.28	-	-	-
Super Charger 42010	26.84	-	-	-
Super Charger 42011	25.12	-	-	-
Super Charger 42012	25.26	-	-	-
Super Charger 42013	25.2	-	-	-
Super Charger 42014	26.55	-	-	-
Super Charger 42035	24.94	-	-	-
Super Charger 42036	21.99	-	-	-
Tropicanna Cherries 41851	23.34	-	-	-
Tropicanna Cherries 41852	28	-	-	-
Tropicanna Cherries 41853	23.95	-	-	-
Tropicanna Cherries 41854	23.35	-	-	-
Tropicanna Cherries 41855	23.81	-	-	-
Tropicanna Cherries 41856	23.27	-	-	-
Watermelon Jealousy 41861	26.88	-	-	-
Watermelon Jealousy 41862	23.38	-	-	-
Watermelon Jealousy 41863	23.94	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Watermelon Jealousy 41864	27.47	-	-	-
Watermelon Jealousy 41865	23.16	-	-	-
Watermelon Jealousy 41866	24.17	-	-	-
Watermelon Jealousy 41867	23.02	-	-	-
Watermelon Jealousy 41868	23.08	-	-	-
White Truffle 41869	23.55	-	-	-
White Truffle 41870	23.38	-	-	-
White Truffle 41871	24.67	-	-	-
White Truffle 41872	23.97	-	-	-
White Truffle 41873	23.35	-	-	-

**Amplification Plots:**

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























