



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1867

Target pathogen: Hop Latent Viroid

19 July 2024



Order details:

Client: Kaprikorn
Target Pathogen: Hop Latent Viroid
Date Sampled: 07/17/2024
Date Received: 07/18/2024
Date Reported: 07/19/2024
Total samples: 77

NUMBER SAMPLES INFECTED: 2

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

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
.Positive 1	-	25.62	-	+
.Positive 2	-	-	27.62	+
Amaretto Sour 43841	25.63	-	-	-
Amaretto Sour 43842	28.46	-	-	-
Amaretto Sour 43843	27.37	-	-	-
Amaretto Sour 43844	27.99	-	-	-
Amaretto Sour 43845	28.63	-	-	-
Double Stuffed 43825	27.6	-	-	-
Double Stuffed 43826	29.16	-	-	-
Double Stuffed 43827	27.58	-	-	-
Double Stuffed 43828	28.71	-	-	-
Glitter Bomb 43817	29.59	-	-	-
Glitter Bomb 43818	28	-	-	-
Glitter Bomb 43819	29.25	-	-	-
Glitter Bomb 43820	26.85	-	-	-
Goofiez 43812	29.23	-	-	-
Goofiez 43813	29.19	-	-	-
Goofiez 43814	29.38	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Goofiez 43815	30.99	-	-	-
Goofiez 43816	29.01	-	-	-
Island Cookies 43801	28.2	-	-	-
Island Cookies 43802	29.08	-	-	-
Island Cookies 43803	28.79	-	-	-
Island Cookies 43804	29.13	-	-	-
Island Cookies 43805	29.6	-	-	-
Island Cookies 43806	29.66	-	-	-
Island Cookies 43807	27.38	-	-	-
Maui True Blood 43793	27.92	-	-	-
Maui True Blood 43794	29.45	-	-	-
Maui True Blood 43795	29.17	-	-	-
Maui True Blood 43796	27.57	-	-	-
Maui True Blood 43797	28.89	-	-	-
Maui True Blood 43798	28.24	-	-	-
Maui True Blood 43799	27.84	-	-	-
Maui True Blood 43800	29.14	-	-	-
OMG 43786	31.1	-	-	-
OMG 43787	27.85	-	-	-
OMG 43788	25.81	-	-	-
OMG 43789	28.88	-	-	-
OMG 43790	28.96	-	-	-
OMG 43791	29.04	-	-	-
OMG 43792	29.26	-	-	-
Permanent Marker 43762	27.81	-	-	-
Permanent Marker 43763	27.51	-	-	-
Permanent Marker 43764	29.45	-	-	-
Permanent Marker 43765	28.28	-	-	-
Permanent Marker 43766	28.41	-	-	-
Permanent Marker 43767	29.22	-	-	-
Permanent Marker 43768	28.05	-	-	-
Permanent Marker 43769	28.75	-	-	-
Punch Breath 43781	30.84	-	-	-
Punch Breath 43782	29.46	-	-	-
Punch Breath 43783	28.94	-	-	-
Punch Breath 43784	29.35	-	-	-
Punch Breath 43785	27.34	-	-	-
Purple Churro 43739	28.58	-	-	-
Purple Churro 43740	31.32	-	-	-
Purple Churro 43741	27.67	-	-	-
Purple Churro 43742	27.52	-	-	-
Purple Churro 43743	28.54	-	-	-
Spritzer 43744	28.67	-	-	-
Spritzer 43745	29.63	-	-	-
Spritzer 43746	25.92	17.04	21	+
Spritzer 43747	25.71	-	-	-
Spritzer 43780	27.31	-	-	-
Super Charger 43748	27.77	-	-	-
Super Charger 43749	27.59	17.04	19.85	+
Super Charger 43750	25.31	-	-	-
Super Charger 43751	28.88	-	-	-
White Choc Chip #8 43752	28.47	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
White Choc Chip #8 43753	29.04	-	-	-
White Choc Chip #8 43754	29.06	-	-	-
White Choc Chip #8 43755	27.75	-	-	-
White Choc Chip #8 43756	28.83	-	-	-
Zlurpee 43757	28.9	-	-	-
Zlurpee 43758	27.15	-	-	-
Zlurpee 43759	27.99	-	-	-
Zlurpee 43760	26.83	-	-	-
Zlurpee 43761	28.91	-	-	-

Amplification Plots:

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





















