



GENIELAB

TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1340

Target pathogen: Hop Latent Viroid

28 July 2023

Order details:

Client: Kaprikorn
Target Pathogen: Hop Latent Viroid
Date Sampled: 07/26/2023
Date Received: 07/27/2023
Date Reported: 07/28/2023
Total samples: 92

NUMBER SAMPLES INFECTED: 0

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	-	21.38	-	+
.Positive 2	-	-	28.28	+
Acai 40117	28.59	-	-	-
Acai 40118	29.3	-	-	-
Acai 40119	29.36	-	-	-
Acai 40120	29.46	-	-	-
Acai 40121	28.9	-	-	-
Amaretto Sour 40190	27.92	-	-	-
Amaretto Sour 40191	30.07	-	-	-
Animal Face 40122	28.11	-	-	-
Animal Face 40123	28.94	-	-	-
Animal Face 40124	27.02	-	-	-
Animal Face 40125	27.38	-	-	-
Animal Face 40126	29.15	-	-	-
Banana Bread 40192	27.48	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Banana Bread 40193	29.04	-	-	-
Banana Breath 40127	30.38	-	-	-
Banana Breath 40128	30.69	-	-	-
Banana Breath 40129	30.61	-	-	-
Banana Breath 40130	27.87	-	-	-
Banana Breath 40131	28.98	-	-	-
Banana Cooler 40194	28.11	-	-	-
Banana Cooler 40195	30.07	-	-	-
Zonkerz 40196	28.5	-	-	-
Zonkerz 40197	28.69	-	-	-
Cali Burger 40132	28.59	-	-	-
Cali Burger 40133	28.29	-	-	-
Cali Burger 40134	28.04	-	-	-
Coconut Milk 40198	29.51	-	-	-
Coconut Milk 40199	28.39	-	-	-
Concrete Jungle 40200	25.5	-	-	-
Concrete Jungle 40201	27.38	-	-	-
Double Shots 40202	28.65	-	-	-
Double Shots 40203	28.44	-	-	-
E85 40204	28.65	-	-	-
E85 40205	30.3	-	-	-
Fish Scale 40206	28.5	-	-	-
Fish Scale 40207	30.06	-	-	-
Gary Eyes 40208	29.11	-	-	-
Gary Eyes 40209	29.29	-	-	-
Goofiez 40140	28.6	-	-	-
Goofiez 40141	27.83	-	-	-
Goofiez 40142	28.2	-	-	-
Grape Gasoline 39028	28.4	-	-	-
Grape Gasoline 39029	27.67	-	-	-
Grape Gasoline 39030	28.24	-	-	-
Island Cookies 7503 40210	30.52	-	-	-
Island Cookies 7503 40211	28.68	-	-	-
Island Cookies 7504 40224	29.71	-	-	-
Island Cookies 7504 40225	29.43	-	-	-
Jackie Robinson 40212	28.71	-	-	-
Jackie Robinson 40213	27.99	-	-	-
Mac 1 40143	28.28	-	-	-
Mac 1 40144	26.44	-	-	-
Mac 1 40145	29.75	-	-	-
Mac 1 40146	26.93	-	-	-
Mac 1 40147	27.21	-	-	-
Maui Blood 40214	28.33	-	-	-
Maui Blood 40215	29.24	-	-	-
Menage 40148	29.61	-	-	-
Menage 40149	28.57	-	-	-
Menage 40150	29.24	-	-	-
Menage 40151	28.9	-	-	-
Menage 40152	27.73	-	-	-
Mendo Coco 40153	28.36	-	-	-
Mendo Coco 40154	26.33	-	-	-
Midnight Cookies 40155	30.34	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Midnight Cookies 40156	30.35	-	-	-
Midnight Cookies 40157	32	-	-	-
Midnight Cookies 40158	28.91	-	-	-
Midnight Cookies 40159	29.57	-	-	-
Modified Grapes 40160	29.52	-	-	-
Modified Grapes 40161	28.69	-	-	-
Modified Grapes 40162	28.64	-	-	-
Modified Grapes 40163	27.04	-	-	-
Modified Grapes 40164	27.68	-	-	-
Modified Grapes 40165	27.91	-	-	-
Permanent Marker 40216	27.39	-	-	-
Permanent Marker 40217	28.27	-	-	-
Pineapple Fruz 40166	29.08	-	-	-
Pineapple Fruz 40167	28.35	-	-	-
Pineapple Fruz 40168	28.22	-	-	-
Pineapple Fruz 40169	29.28	-	-	-
Pineapple Fruz 40170	28.8	-	-	-
Pineapple Fruz 40171	28.49	-	-	-
Pink Trufflez 40218	28.66	-	-	-
Pink Trufflez 40219	26.28	-	-	-
Punch Breath 40172	27.92	-	-	-
Punch Breath 40173	28.6	-	-	-
Purple Churro 40220	27.4	-	-	-
Purple Churro 40221	27.37	-	-	-
Purple Punch 38874	29.31	-	-	-
Purple Punch 38875	26.97	-	-	-
Southern Sugar 40174	29.7	-	-	-

Amplification Plots:

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















































