



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1387

Target pathogen: Hop Latent Viroid

28 September 2023



Order details:

Client: Kaprikorn
Target Pathogen: Hop Latent Viroid
Date Sampled: 09/26/2023
Date Received: 09/28/2023
Date Reported: 09/28/2023
Total samples: 86

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	-	28.92	-	+
.Positive 2	-	-	31.64	+
Black Scotti 40466	25.4	-	-	-
Black Scotti 40467	28.98	-	-	-
Black Scotti 40468	30.68	-	-	-
Black Scotti 40469	30.37	-	-	-
Black Scotti 40470	29.93	-	-	-
Cap Junky 40226	27.87	-	-	-
Cap Junky 40227	30.41	-	-	-
Cap Junky 40228	27.28	-	-	-
Carbon Fiber 40460	28.7	-	-	-
Carbon Fiber 40461	28.91	-	-	-
Carbon Fiber 40462	29.02	-	-	-
Carbon Fiber 40463	28.8	-	-	-
Carbon Fiber 40464	28.52	-	-	-
Carbon Fiber 40465	29.63	-	-	-
Gary Payton 40454	29.76	-	-	-
Gary Payton 40455	26.41	-	-	-



Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Gary Payton 40456	28.65	-	-	-
Gary Payton 40457	27.93	-	-	-
Gary Payton 40458	27.85	-	-	-
Gary Payton 40459	27.42	-	-	-
Georgia Pie 40449	30.42	-	-	-
Georgia Pie 40450	29.66	-	-	-
Georgia Pie 40451	27.13	-	-	-
Georgia Pie 40452	29.97	-	-	-
Georgia Pie 40453	29.82	-	-	-
Grape Animals 40445	28.28	-	-	-
Grape Animals 40446	29.12	-	-	-
Grape Animals 40447	29.04	-	-	-
Grape Animals 40448	31.43	-	-	-
Gush Mints 40262	28.98	-	-	-
Gush Mints 40263	29.2	-	-	-
Gush Mints 40264	29.91	-	-	-
Gush Mints 40265	27.65	-	-	-
Ice Cream Cake 40440	27.99	-	-	-
Ice Cream Cake 40441	30.37	-	-	-
Ice Cream Cake 40442	30.84	-	-	-
Ice Cream Cake 40443	30.79	-	-	-
Ice Cream Cake 40444	29.14	-	-	-
Jelly Donutz 40434	27	-	-	-
Jelly Donutz 40435	29.53	-	-	-
Jelly Donutz 40436	29.98	-	-	-
Jelly Donutz 40437	26.94	-	-	-
Jelly Donutz 40438	29.12	-	-	-
Jelly Donutz 40439	29.94	-	-	-
Lemon Pastries 40429	26.28	-	-	-
Lemon Pastries 40430	30.02	-	-	-
Lemon Pastries 40431	29.98	-	-	-
Lemon Pastries 40432	30.04	-	-	-
Lemon Pastries 40433	28.68	-	-	-
London Pound Cake #97 40424	29.21	-	-	-
London Pound Cake #97 40425	29.13	-	-	-
London Pound Cake #97 40426	26.37	-	-	-
London Pound Cake #97 40427	29.25	-	-	-
London Pound Cake #97 40428	30.25	-	-	-
Mac 1 40419	30.08	-	-	-
Mac 1 40420	27.99	-	-	-
Mac 1 40421	28.53	-	-	-
Mac 1 40422	29.98	-	-	-
Mac 1 40423	28.53	-	-	-
Modified Grapes 40415	28.86	-	-	-
Modified Grapes 40416	28.37	-	-	-
Modified Grapes 40417	29.21	-	-	-
Modified Grapes 40418	27.63	-	-	-
Ooh La La 40410	29.52	-	-	-
Ooh La La 40411	28.61	-	-	-
Ooh La La 40412	26.83	-	-	-
Ooh La La 40413	29.52	-	-	-
Ooh La La 40414	28.83	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Purple Push P 40406	29.16	-	-	-
Purple Push P 40407	29.93	-	-	-
Purple Push P 40408	30.41	-	-	-
Purple Push P 40409	27.7	-	-	-
The Soap 40400	30.11	-	-	-
The Soap 40401	27.71	-	-	-
The Soap 40402	27.58	-	-	-
The Soap 40403	29.54	-	-	-
The Soap 40404	29.09	-	-	-
The Soap 40405	25.24	-	-	-
Tropicanna Cherries 40294	28.07	-	-	-
Tropicanna Cherries 40295	30.08	-	-	-
Tropicanna Cherries 40296	27.93	-	-	-
White Choc Chip #8 40395	30.18	-	-	-
White Choc Chip #8 40396	30.39	-	-	-
White Choc Chip #8 40397	28.49	-	-	-
White Choc Chip #8 40398	28.98	-	-	-
White Choc Chip #8 40399	29.77	-	-	-

Amplification Plots:

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























