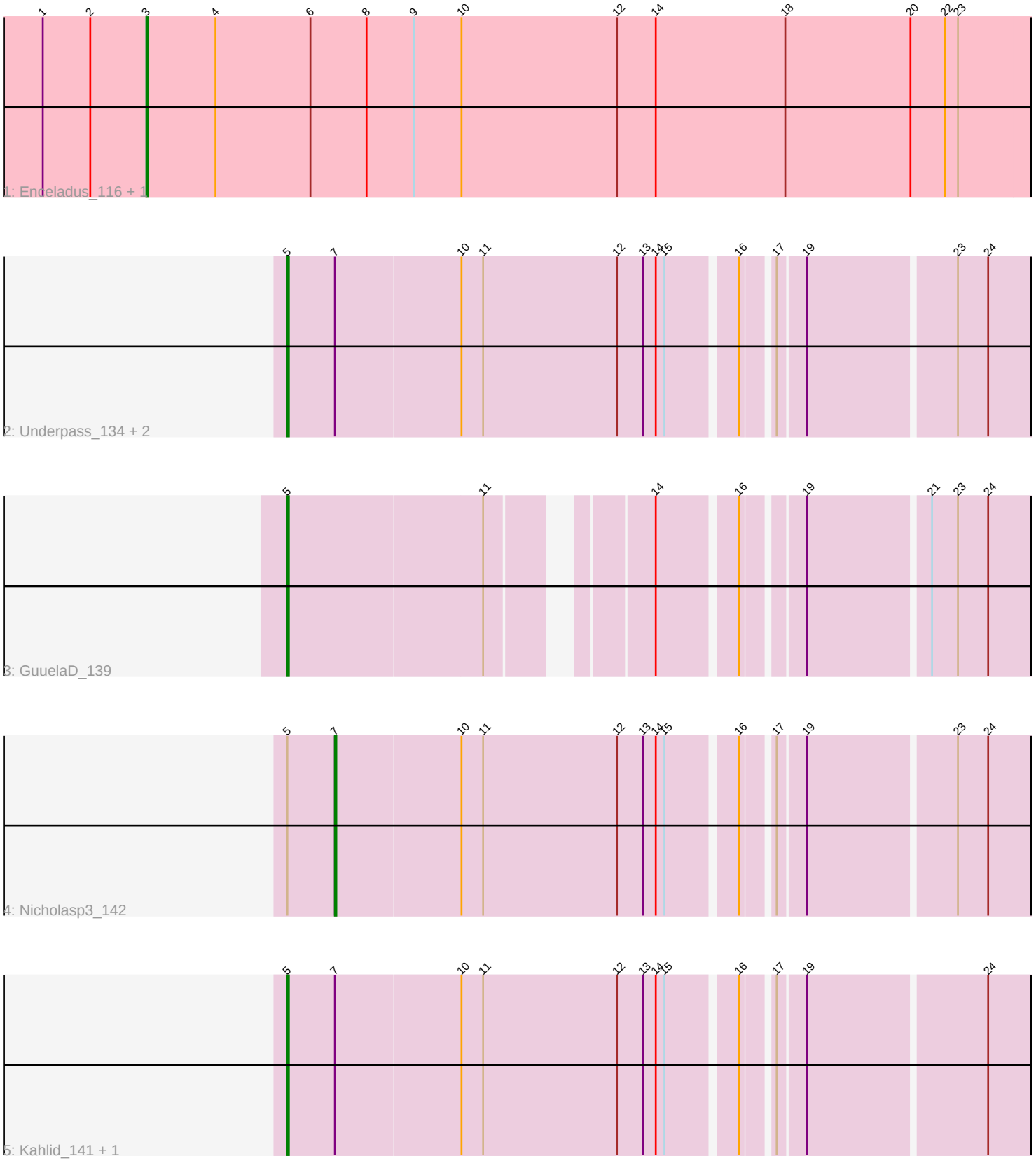
Pham 302030


1
2
3
4
6
8
9
10
12
14
18
20
22
23
1: Endeladus_116 + 1
5
7
10
11
12
13
14
15
16
17
19
23
24
2: Underpass_134 + 2
5
11
14
16
19
21
23
24
3: GuuelaD_139
5
7
10
11
12
13
14
15
16
17
19
23
24
4: Nicholasp3_142
5
7
10
11
12
13
14
15
16
17
19
24
5: Kahlid_141 + 1

Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 302030 Report

This analysis was run 06/08/26 on database version 649.

Pham number 302030 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Enceladus_116, DirkDirk_117
• Track 2 : Underpass_134, Gardann_140, LilDestine_139
• Track 3 : GuuelaD_139
• Track 4 : Nicholasp3_142
• Track 5 : Kahlid_141, Wilder_143

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 5, it was called in 6 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Gardann_140, GuuelaD_139, Kahlid_141, LilDestine_139, Underpass_134, Wilder_143,

Genes that have the "Most Annotated" start but do not call it:
• Nicholasp3_142,

Genes that do not have the "Most Annotated" start:
• DirkDirk_117, Enceladus_116,

Summary by start number:

Start 3:
• Found in 2 of 9 (22.2%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DirkDirk_117 (L1), Enceladus_116 (L1),

Start 5:
• Found in 7 of 9 (77.8%) of genes in pham
• Manual Annotations of this start: 6 of 9
• Called 85.7% of time when present

• Phage (with cluster) where this start called: Gardann_140 (L2), GuuelaD_139 (L2), Kahlid_141 (L2), LilDestine_139 (L2), Underpass_134 (L2), Wilder_143 (L2),

Start 7:
• Found in 6 of 9 (66.7%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Nicholasp3_142 (L2),

Summary by clusters:

There are 2 clusters represented in this pham: L2, L1,

Info for manual annotations of cluster L1:
•Start number 3 was manually annotated 2 times for cluster L1.

Info for manual annotations of cluster L2:
•Start number 5 was manually annotated 6 times for cluster L2.
•Start number 7 was manually annotated 1 time for cluster L2.

Gene Information:

Gene: DirkDirk_117 Start: 67326, Stop: 66700, Start Num: 3
Candidate Starts for DirkDirk_117:
(1, 67398), (2, 67365), (Start: 3 @67326 has 2 MA's), (4, 67278), (6, 67212), (8, 67173), (9, 67140), (10, 67107), (12, 66999), (14, 66972), (18, 66882), (20, 66795), (22, 66771), (23, 66762),

Gene: Enceladus_116 Start: 65725, Stop: 65099, Start Num: 3
Candidate Starts for Enceladus_116:
(1, 65797), (2, 65764), (Start: 3 @65725 has 2 MA's), (4, 65677), (6, 65611), (8, 65572), (9, 65539), (10, 65506), (12, 65398), (14, 65371), (18, 65281), (20, 65194), (22, 65170), (23, 65161),

Gene: Gardann_140 Start: 75171, Stop: 74662, Start Num: 5
Candidate Starts for Gardann_140:
(Start: 5 @75171 has 6 MA's), (Start: 7 @75138 has 1 MA's), (10, 75054), (11, 75039), (12, 74946), (13, 74928), (14, 74919), (15, 74913), (16, 74868), (17, 74850), (19, 74832), (23, 74733), (24, 74712),

Gene: GuuelaD_139 Start: 75467, Stop: 74988, Start Num: 5
Candidate Starts for GuuelaD_139:
(Start: 5 @75467 has 6 MA's), (11, 75335), (14, 75245), (16, 75194), (19, 75158), (21, 75077), (23, 75059), (24, 75038),

Gene: Kahlid_141 Start: 75085, Stop: 74576, Start Num: 5
Candidate Starts for Kahlid_141:
(Start: 5 @75085 has 6 MA's), (Start: 7 @75052 has 1 MA's), (10, 74968), (11, 74953), (12, 74860), (13, 74842), (14, 74833), (15, 74827), (16, 74782), (17, 74764), (19, 74746), (24, 74626),

Gene: LilDestine_139 Start: 74577, Stop: 74068, Start Num: 5
Candidate Starts for LilDestine_139:
(Start: 5 @74577 has 6 MA's), (Start: 7 @74544 has 1 MA's), (10, 74460), (11, 74445), (12, 74352), (13, 74334), (14, 74325), (15, 74319), (16, 74274), (17, 74256), (19, 74238), (23, 74139), (24, 74118),

Gene: Nicholasp3_142 Start: 74948, Stop: 74472, Start Num: 7
Candidate Starts for Nicholasp3_142:
(Start: 5 @74981 has 6 MA's), (Start: 7 @74948 has 1 MA's), (10, 74864), (11, 74849), (12, 74756), (13, 74738), (14, 74729), (15, 74723), (16, 74678), (17, 74660), (19, 74642), (23, 74543), (24, 74522),

Gene: Underpass_134 Start: 70212, Stop: 69703, Start Num: 5
Candidate Starts for Underpass_134:
(Start: 5 @70212 has 6 MA's), (Start: 7 @70179 has 1 MA's), (10, 70095), (11, 70080), (12, 69987), (13, 69969), (14, 69960), (15, 69954), (16, 69909), (17, 69891), (19, 69873), (23, 69774), (24, 69753),

Gene: Wilder_143 Start: 74939, Stop: 74430, Start Num: 5
Candidate Starts for Wilder_143:
(Start: 5 @74939 has 6 MA's), (Start: 7 @74906 has 1 MA's), (10, 74822), (11, 74807), (12, 74714), (13, 74696), (14, 74687), (15, 74681), (16, 74636), (17, 74618), (19, 74600), (24, 74480),