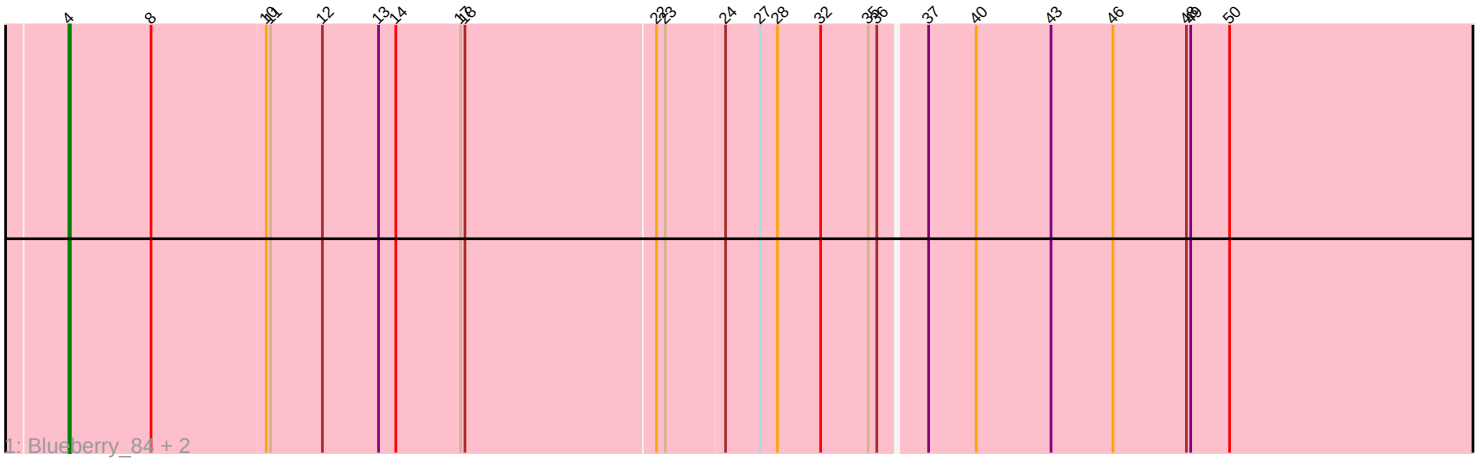
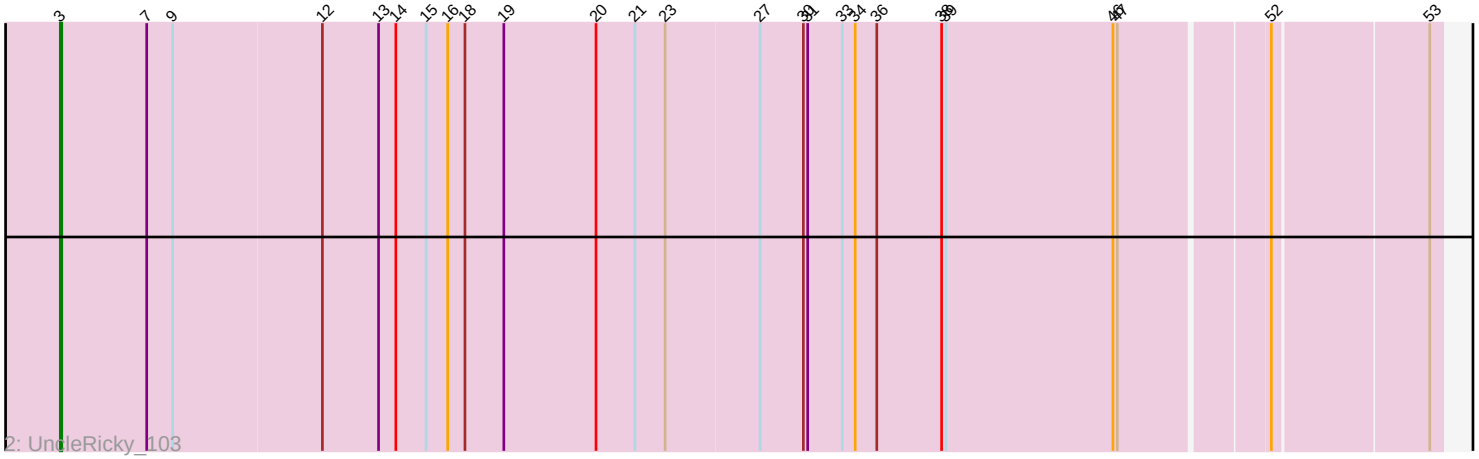
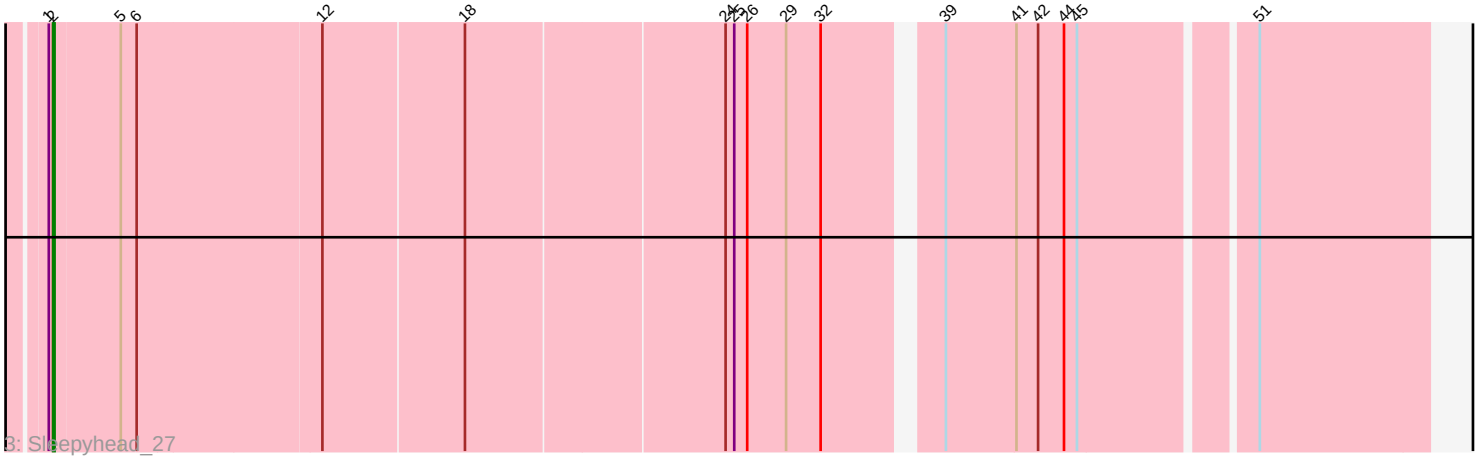
Pham 8239


4
8
12
13
14
24
27
28
32
37
40
43
46
50
1: Blueberry_84 + 2


3
7
9
12
13
14
15
16
18
19
20
21
23
27
36
52
53
2: UncleRicky_103


5
6
12
18
29
32
39
41
42
45
51
3: Sleepyhead_27

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 8239 Report

This analysis was run 04/22/24 on database version 561.

Pham number 8239 has 5 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Blueberry_84, Cucurbita_23, Whitney_36
• Track 2 : UncleRicky_103
• Track 3 : Sleepyhead_27

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

The start number called the most often in the published annotations is 4, it was called in 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Blueberry_84, Cucurbita_23, Whitney_36,

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

Genes that do not have the "Most Annotated" start:
• Sleepyhead_27, UncleRicky_103,

Summary by start number:

Start 2:
• Found in 1 of 5 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sleepyhead_27 (singleton),

Start 3:
• Found in 1 of 5 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: UncleRicky_103 (F1),

Start 4:
• Found in 3 of 5 (60.0%) of genes in pham

• Manual Annotations of this start: 3 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Blueberry_84 (CV), Cucurbita_23 (CQ1), Whitney_36 (DN1),

Summary by clusters:

There are 5 clusters represented in this pham: F1, singleton, DN1, CQ1, CV,

Info for manual annotations of cluster CQ1:
•Start number 4 was manually annotated 1 time for cluster CQ1.

Info for manual annotations of cluster CV:
•Start number 4 was manually annotated 1 time for cluster CV.

Info for manual annotations of cluster DN1:
•Start number 4 was manually annotated 1 time for cluster DN1.

Info for manual annotations of cluster F1:
•Start number 3 was manually annotated 1 time for cluster F1.

Gene Information:

Gene: Blueberry_84 Start: 53769, Stop: 52807, Start Num: 4
Candidate Starts for Blueberry_84:
(Start: 4 @53769 has 3 MA's), (8, 53712), (10, 53634), (11, 53631), (12, 53595), (13, 53556), (14, 53544), (17, 53499), (18, 53496), (22, 53367), (23, 53361), (24, 53322), (27, 53298), (28, 53286), (32, 53256), (35, 53223), (36, 53217), (37, 53187), (40, 53154), (43, 53103), (46, 53061), (48, 53010), (49, 53007), (50, 52980),

Gene: Cucurbita_23 Start: 6824, Stop: 7786, Start Num: 4
Candidate Starts for Cucurbita_23:
(Start: 4 @6824 has 3 MA's), (8, 6881), (10, 6959), (11, 6962), (12, 6998), (13, 7037), (14, 7049), (17, 7094), (18, 7097), (22, 7226), (23, 7232), (24, 7271), (27, 7295), (28, 7307), (32, 7337), (35, 7370), (36, 7376), (37, 7406), (40, 7439), (43, 7490), (46, 7532), (48, 7583), (49, 7586), (50, 7613),

Gene: Sleepyhead_27 Start: 23557, Stop: 22658, Start Num: 2
Candidate Starts for Sleepyhead_27:
(1, 23560), (Start: 2 @23557 has 1 MA's), (5, 23512), (6, 23503), (12, 23380), (18, 23284), (24, 23110), (25, 23104), (26, 23095), (29, 23068), (32, 23044), (39, 22975), (41, 22927), (42, 22912), (44, 22894), (45, 22885), (51, 22774),

Gene: UncleRicky_103 Start: 56251, Stop: 55322, Start Num: 3
Candidate Starts for UncleRicky_103:
(Start: 3 @56251 has 1 MA's), (7, 56191), (9, 56173), (12, 56074), (13, 56035), (14, 56023), (15, 56002), (16, 55987), (18, 55975), (19, 55948), (20, 55885), (21, 55858), (23, 55837), (27, 55774), (30, 55744), (31, 55741), (33, 55717), (34, 55708), (36, 55693), (38, 55648), (39, 55645), (46, 55531), (47, 55528), (52, 55432), (53, 55330),

Gene: Whitney_36 Start: 29109, Stop: 28147, Start Num: 4
Candidate Starts for Whitney_36:

(Start: 4 @29109 has 3 MA's), (8, 29052), (10, 28974), (11, 28971), (12, 28935), (13, 28896), (14, 28884), (17, 28839), (18, 28836), (22, 28707), (23, 28701), (24, 28662), (27, 28638), (28, 28626), (32, 28596), (35, 28563), (36, 28557), (37, 28527), (40, 28494), (43, 28443), (46, 28401), (48, 28350), (49, 28347), (50, 28320),