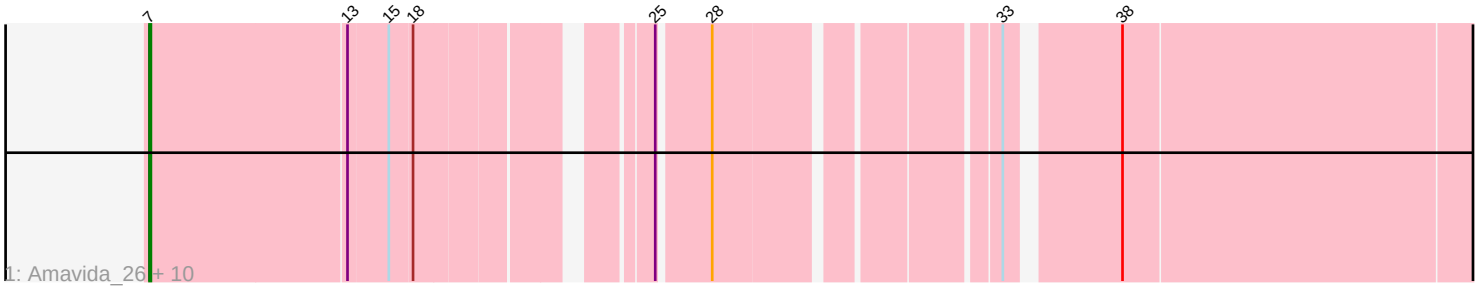
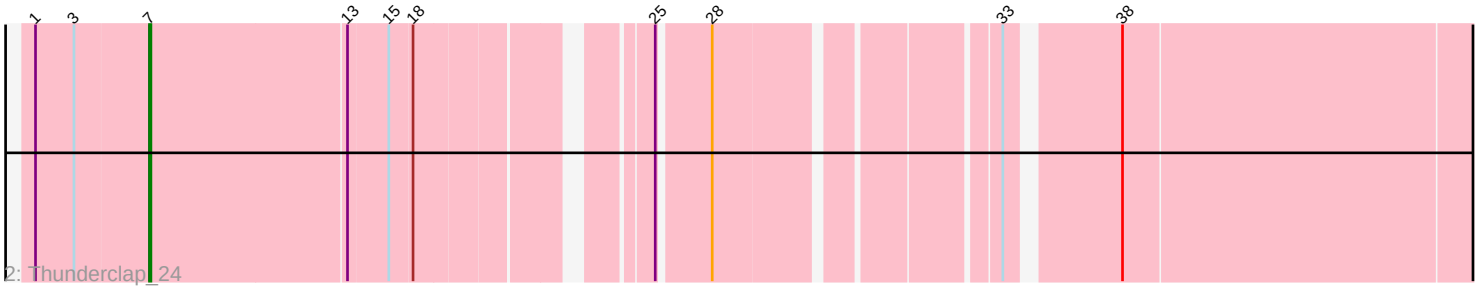
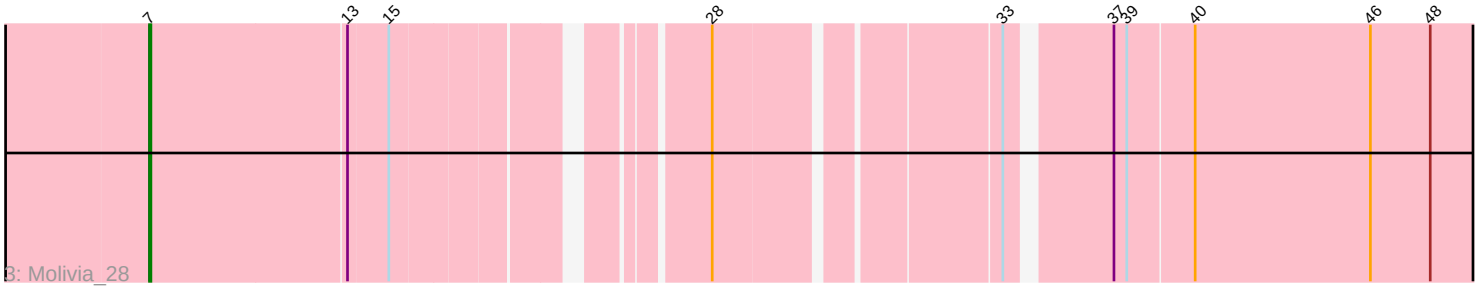
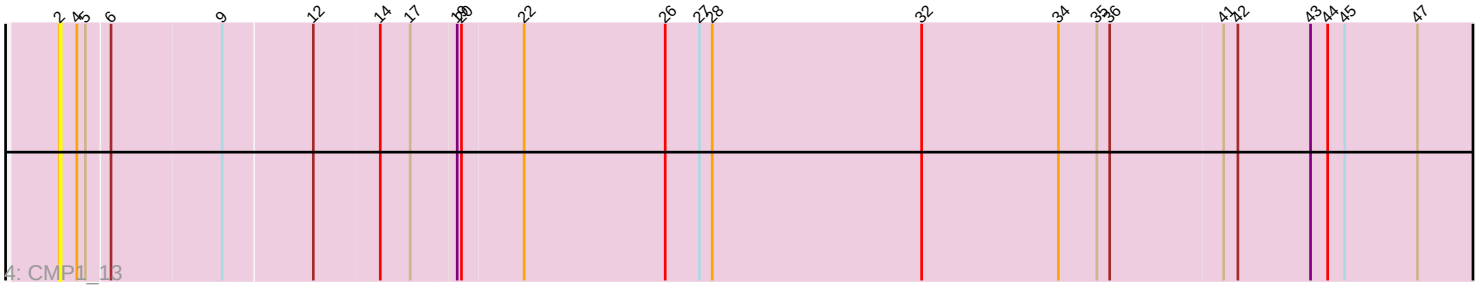
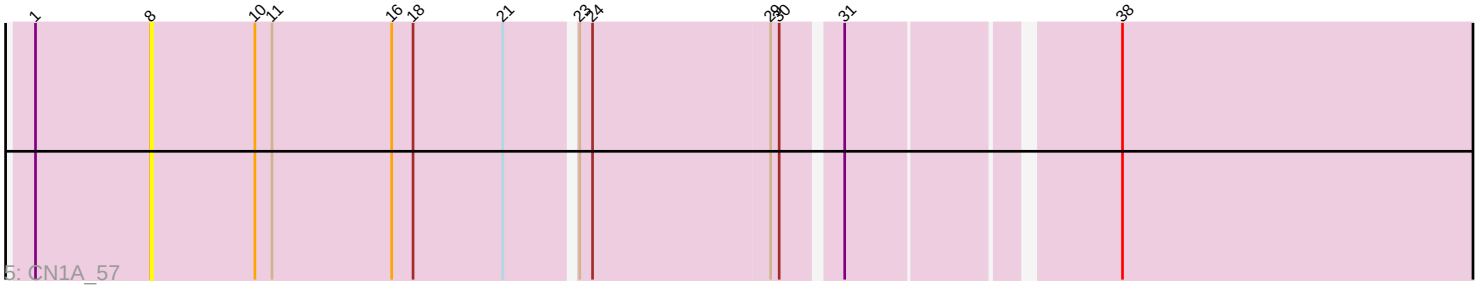
Pham 196934


7
13
15
18
25
28
33
38
1: Amavida_26 + 10


1
3
7
13
15
18
25
28
33
38
2: Thunderclap_24


7
13
15
28
33
37
39
40
46
48
3: Molivia_28


2
4
5
6
9
12
14
17
19
20
22
26
27
28
32
34
35
36
41
42
43
44
45
47
4: CMP1_13


1
8
10
11
16
18
21
23
24
29
30
31
38
5: CN1A_57

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 196934 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196934 has 15 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Amavida_26, Heylee_26, Anansi_24, Gorgeous_24, Ichor_23, Amigo_24, Jaek_23, Yeezus_23, Rings_23, SorJuana_24, Boersma_25
• Track 2 : Thunderclap_24
• Track 3 : Molivia_28
• Track 4 : CMP1_13
• Track 5 : CN1A_57

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

The start number called the most often in the published annotations is 7, it was called in 13 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amavida_26, Amigo_24, Anansi_24, Boersma_25, Gorgeous_24, Heylee_26, Ichor_23, Jaek_23, Molivia_28, Rings_23, SorJuana_24, Thunderclap_24, Yeezus_23,

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

Genes that do not have the "Most Annotated" start:
• CMP1_13, CN1A_57,

Summary by start number:

Start 2:
• Found in 1 of 15 (6.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CMP1_13 (singleton),

Start 7:
• Found in 13 of 15 (86.7%) of genes in pham
• Manual Annotations of this start: 13 of 13

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amavida_26 (AQ), Amigo_24 (AQ), Anansi_24 (AQ), Boersma_25 (AQ), Gorgeous_24 (AQ), Heylee_26 (AQ), Ichor_23 (AQ), Jaek_23 (AQ), Molivia_28 (AQ), Rings_23 (AQ), SorJuana_24 (AQ), Thunderclap_24 (AQ), Yeezus_23 (AQ),

Start 8:
• Found in 1 of 15 (6.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CN1A_57 (singleton),

Summary by clusters:

There are 2 clusters represented in this pham: AQ, singleton,

Info for manual annotations of cluster AQ:
•Start number 7 was manually annotated 13 times for cluster AQ.

Gene Information:

Gene: Amavida_26 Start: 11936, Stop: 12838, Start Num: 7
Candidate Starts for Amavida_26:
(Start: 7 @11936 has 13 MA's), (13, 12071), (15, 12098), (18, 12113), (25, 12248), (28, 12281), (33, 12455), (38, 12524),

Gene: Amigo_24 Start: 11810, Stop: 12712, Start Num: 7
Candidate Starts for Amigo_24:
(Start: 7 @11810 has 13 MA's), (13, 11945), (15, 11972), (18, 11987), (25, 12122), (28, 12155), (33, 12329), (38, 12398),

Gene: Anansi_24 Start: 11819, Stop: 12721, Start Num: 7
Candidate Starts for Anansi_24:
(Start: 7 @11819 has 13 MA's), (13, 11954), (15, 11981), (18, 11996), (25, 12131), (28, 12164), (33, 12338), (38, 12407),

Gene: Boersma_25 Start: 11810, Stop: 12712, Start Num: 7
Candidate Starts for Boersma_25:
(Start: 7 @11810 has 13 MA's), (13, 11945), (15, 11972), (18, 11987), (25, 12122), (28, 12155), (33, 12329), (38, 12398),

Gene: CMP1_13 Start: 10374, Stop: 11444, Start Num: 2
Candidate Starts for CMP1_13:
(2, 10374), (4, 10386), (5, 10392), (6, 10407), (9, 10482), (12, 10542), (14, 10587), (17, 10608), (19, 10638), (20, 10641), (22, 10683), (26, 10782), (27, 10806), (28, 10815), (32, 10962), (34, 11058), (35, 11085), (36, 11094), (41, 11172), (42, 11181), (43, 11232), (44, 11244), (45, 11256), (47, 11307),

Gene: CN1A_57 Start: 45536, Stop: 44523, Start Num: 8
Candidate Starts for CN1A_57:
(1, 45617), (8, 45536), (10, 45464), (11, 45452), (16, 45368), (18, 45353), (21, 45290), (23, 45245), (24, 45236), (29, 45113), (30, 45107), (31, 45071), (38, 44900),

Gene: Gorgeous_24 Start: 11819, Stop: 12721, Start Num: 7
Candidate Starts for Gorgeous_24:
(Start: 7 @11819 has 13 MA's), (13, 11954), (15, 11981), (18, 11996), (25, 12131), (28, 12164), (33, 12338), (38, 12407),

Gene: Heylee_26 Start: 11936, Stop: 12838, Start Num: 7
Candidate Starts for Heylee_26:
(Start: 7 @11936 has 13 MA's), (13, 12071), (15, 12098), (18, 12113), (25, 12248), (28, 12281), (33, 12455), (38, 12524),

Gene: Ichor_23 Start: 11810, Stop: 12712, Start Num: 7
Candidate Starts for Ichor_23:
(Start: 7 @11810 has 13 MA's), (13, 11945), (15, 11972), (18, 11987), (25, 12122), (28, 12155), (33, 12329), (38, 12398),

Gene: Jaek_23 Start: 11810, Stop: 12712, Start Num: 7
Candidate Starts for Jaek_23:
(Start: 7 @11810 has 13 MA's), (13, 11945), (15, 11972), (18, 11987), (25, 12122), (28, 12155), (33, 12329), (38, 12398),

Gene: Molivia_28 Start: 12093, Stop: 13004, Start Num: 7
Candidate Starts for Molivia_28:
(Start: 7 @12093 has 13 MA's), (13, 12228), (15, 12255), (28, 12438), (33, 12618), (37, 12681), (39, 12690), (40, 12735), (46, 12858), (48, 12900),

Gene: Rings_23 Start: 11941, Stop: 12843, Start Num: 7
Candidate Starts for Rings_23:
(Start: 7 @11941 has 13 MA's), (13, 12076), (15, 12103), (18, 12118), (25, 12253), (28, 12286), (33, 12460), (38, 12529),

Gene: SorJuana_24 Start: 11819, Stop: 12721, Start Num: 7
Candidate Starts for SorJuana_24:
(Start: 7 @11819 has 13 MA's), (13, 11954), (15, 11981), (18, 11996), (25, 12131), (28, 12164), (33, 12338), (38, 12407),

Gene: Thunderclap_24 Start: 11839, Stop: 12741, Start Num: 7
Candidate Starts for Thunderclap_24:
(1, 11761), (3, 11788), (Start: 7 @11839 has 13 MA's), (13, 11974), (15, 12001), (18, 12016), (25, 12151), (28, 12184), (33, 12358), (38, 12427),

Gene: Yeezus_23 Start: 11809, Stop: 12711, Start Num: 7
Candidate Starts for Yeezus_23:
(Start: 7 @11809 has 13 MA's), (13, 11944), (15, 11971), (18, 11986), (25, 12121), (28, 12154), (33, 12328), (38, 12397),