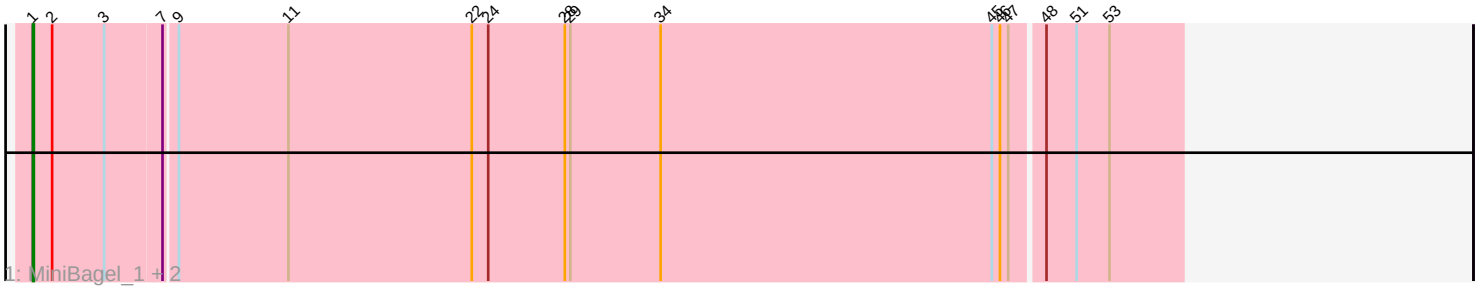
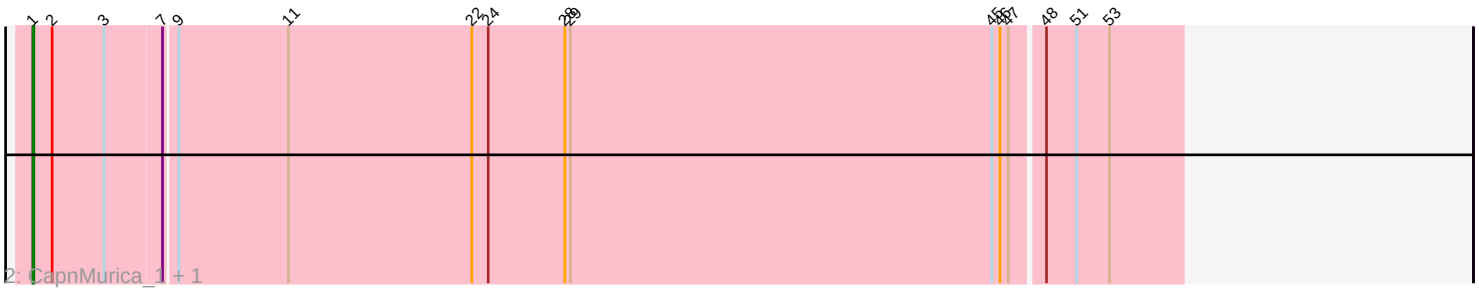
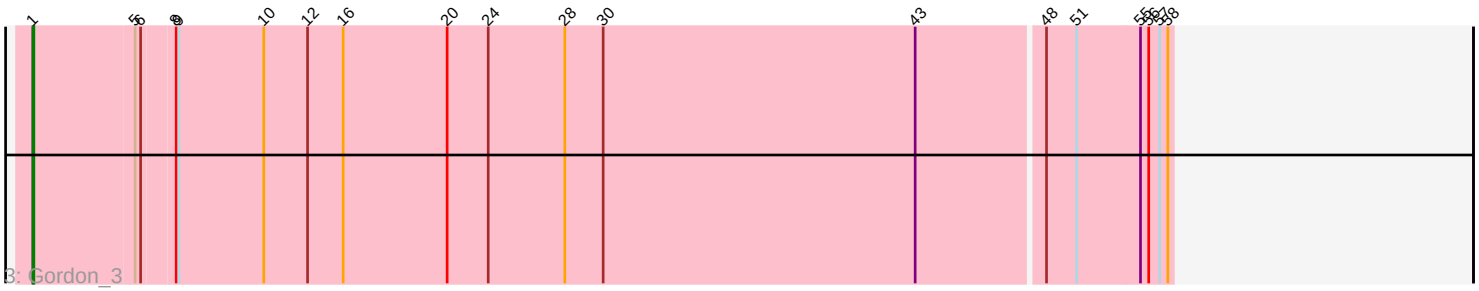
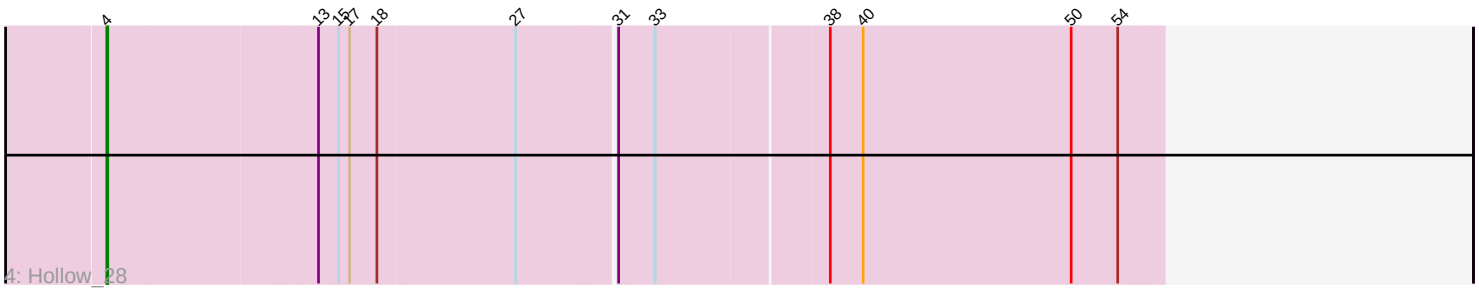
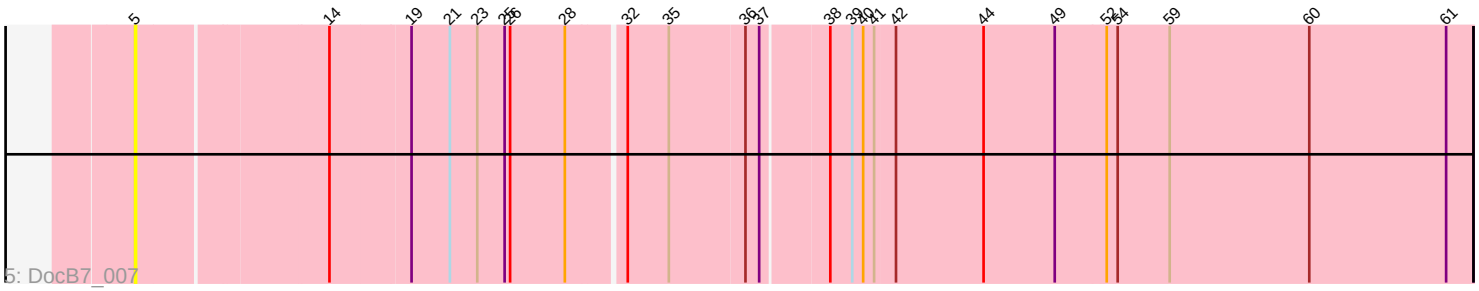
Pham 338727


1
2
3
7
9
11
22
24
34
48
51
53
1: MiniBagel_1 + 2


1
2
3
7
9
11
22
24
48
51
53
2: CapnMurica_1 + 1


1
10
12
16
20
24
28
30
43
48
51
3: Gordon_3


4
13
18
27
31
33
38
40
50
54
4: Hollow_28


5
14
19
21
23
28
32
35
38
42
44
49
59
60
61
5: DocB7_007

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 338727 Report

This analysis was run 11/14/26 on database version 672.

Pham number 338727 has 8 members, 3 are drafts.

Phages represented in each track:
• Track 1 : MiniBagel_1, Westerlin_1, Tenno_1
• Track 2 : CapnMurica_1, Dinallo_1
• Track 3 : Gordon_3
• Track 4 : Hollow_28
• Track 5 : DocB7_007

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

The start number called the most often in the published annotations is 1, it was called in 4 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• CapnMurica_1, Dinallo_1, Gordon_3, MiniBagel_1, Tenno_1, Westerlin_1,

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

Genes that do not have the "Most Annotated" start:
• DocB7_007, Hollow_28,

Summary by start number:

Start 1:
• Found in 6 of 8 (75.0%) of genes in pham
• Manual Annotations of this start: 4 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CapnMurica_1 (AU1), Dinallo_1 (AU1), Gordon_3 (AU1), MiniBagel_1 (AU1), Tenno_1 (AU1), Westerlin_1 (AU1),

Start 4:
• Found in 1 of 8 (12.5%) 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: Hollow_28 (CS4),

Start 5:
• Found in 2 of 8 (25.0%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: DocB7_007 (singleton),

Summary by clusters:

There are 3 clusters represented in this pham: AU1, CS4, singleton,

Info for manual annotations of cluster AU1:
•Start number 1 was manually annotated 4 times for cluster AU1.

Info for manual annotations of cluster CS4:
•Start number 4 was manually annotated 1 time for cluster CS4.

Gene Information:

Gene: CapnMurica_1 Start: 747, Stop: 1988, Start Num: 1
Candidate Starts for CapnMurica_1:
(Start: 1 @747 has 4 MA's), (2, 768), (3, 825), (7, 885), (9, 897), (11, 1017), (22, 1218), (24, 1236), (28, 1320), (29, 1326), (45, 1788), (46, 1797), (47, 1806), (48, 1839), (51, 1872), (53, 1908),

Gene: Dinallo_1 Start: 747, Stop: 1988, Start Num: 1
Candidate Starts for Dinallo_1:
(Start: 1 @747 has 4 MA's), (2, 768), (3, 825), (7, 885), (9, 897), (11, 1017), (22, 1218), (24, 1236), (28, 1320), (29, 1326), (45, 1788), (46, 1797), (47, 1806), (48, 1839), (51, 1872), (53, 1908),

Gene: DocB7_007 Start: 7688, Stop: 9100, Start Num: 5
Candidate Starts for DocB7_007:
(5, 7688), (14, 7883), (19, 7967), (21, 8009), (23, 8039), (25, 8069), (26, 8075), (28, 8135), (32, 8192), (35, 8237), (36, 8318), (37, 8333), (38, 8402), (39, 8426), (40, 8438), (41, 8450), (42, 8471), (44, 8567), (49, 8645), (52, 8699), (54, 8711), (59, 8768), (60, 8921), (61, 9071),

Gene: Gordon_3 Start: 1405, Stop: 2634, Start Num: 1
Candidate Starts for Gordon_3:
(Start: 1 @1405 has 4 MA's), (5, 1513), (6, 1519), (8, 1552), (9, 1555), (10, 1648), (12, 1696), (16, 1735), (20, 1849), (24, 1894), (28, 1978), (30, 2020), (43, 2362), (48, 2497), (51, 2530), (55, 2599), (56, 2608), (57, 2620), (58, 2629),

Gene: Hollow_28 Start: 33835, Stop: 34950, Start Num: 4
Candidate Starts for Hollow_28:
(Start: 4 @33835 has 1 MA's), (13, 34060), (15, 34081), (17, 34093), (18, 34123), (27, 34270), (31, 34372), (33, 34411), (38, 34591), (40, 34627), (50, 34852), (54, 34903),

Gene: MiniBagel_1 Start: 747, Stop: 1988, Start Num: 1
Candidate Starts for MiniBagel_1:
(Start: 1 @747 has 4 MA's), (2, 768), (3, 825), (7, 885), (9, 897), (11, 1017), (22, 1218), (24, 1236), (28, 1320), (29, 1326), (34, 1425), (45, 1788), (46, 1797), (47, 1806), (48, 1839), (51, 1872), (53, 1908),

Gene: Tenno_1 Start: 747, Stop: 1988, Start Num: 1
Candidate Starts for Tenno_1:
(Start: 1 @747 has 4 MA's), (2, 768), (3, 825), (7, 885), (9, 897), (11, 1017), (22, 1218), (24, 1236), (28, 1320), (29, 1326), (34, 1425), (45, 1788), (46, 1797), (47, 1806), (48, 1839), (51, 1872), (53, 1908),

Gene: Westerlin_1 Start: 747, Stop: 1988, Start Num: 1
Candidate Starts for Westerlin_1:
(Start: 1 @747 has 4 MA's), (2, 768), (3, 825), (7, 885), (9, 897), (11, 1017), (22, 1218), (24, 1236), (28, 1320), (29, 1326), (34, 1425), (45, 1788), (46, 1797), (47, 1806), (48, 1839), (51, 1872), (53, 1908),