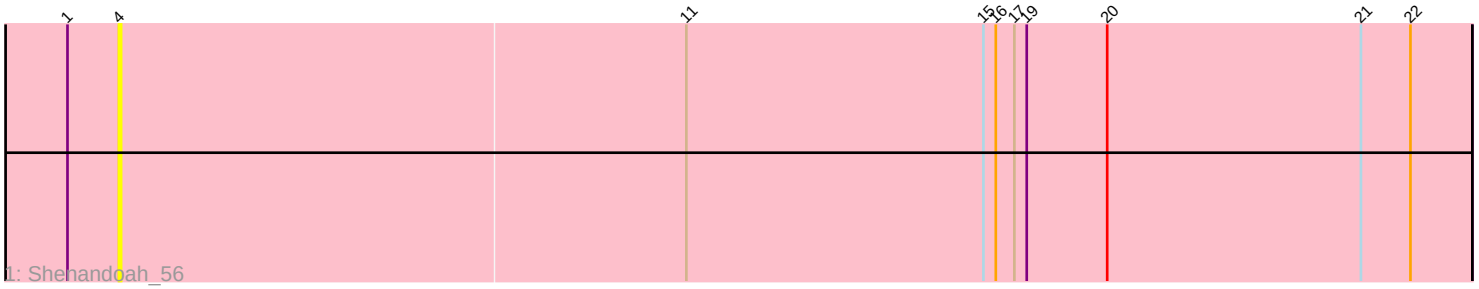
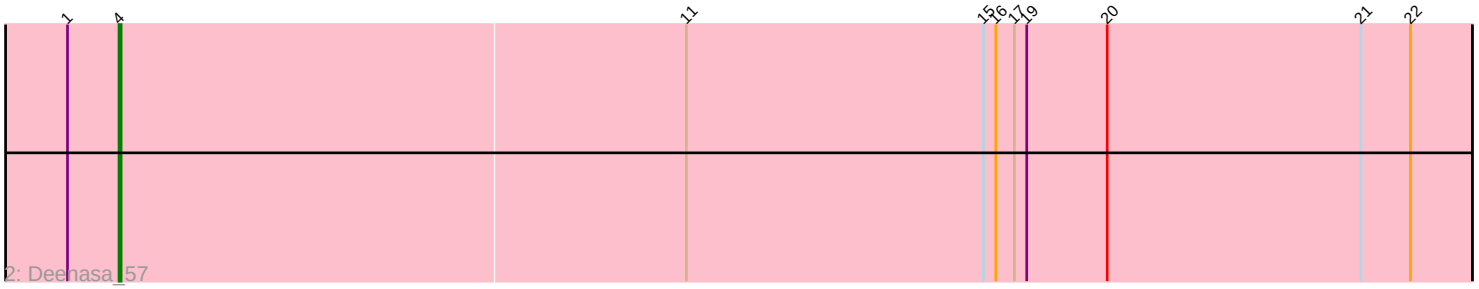
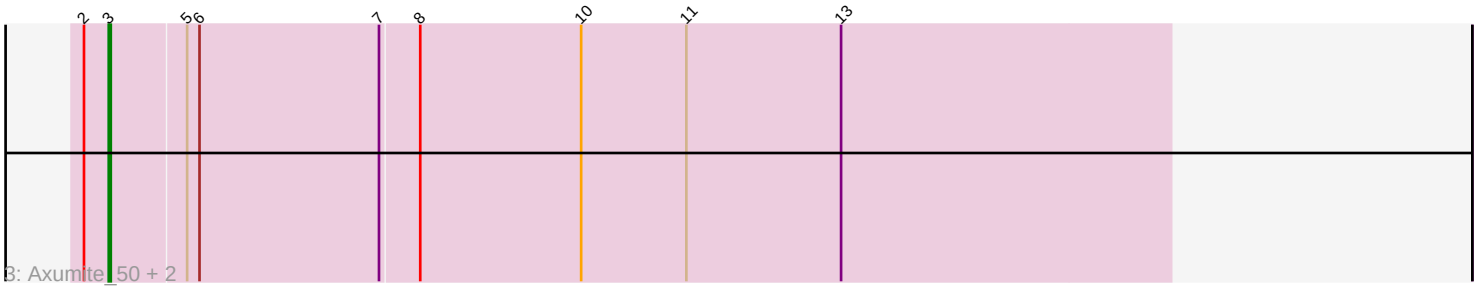
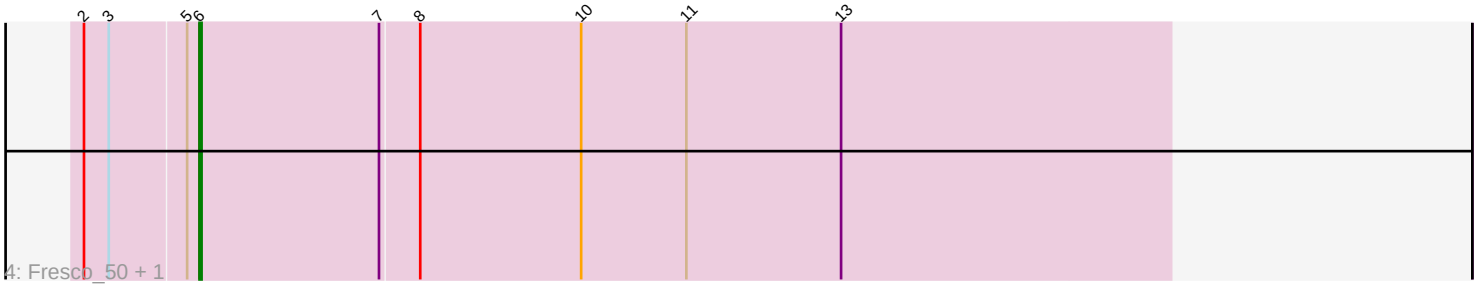
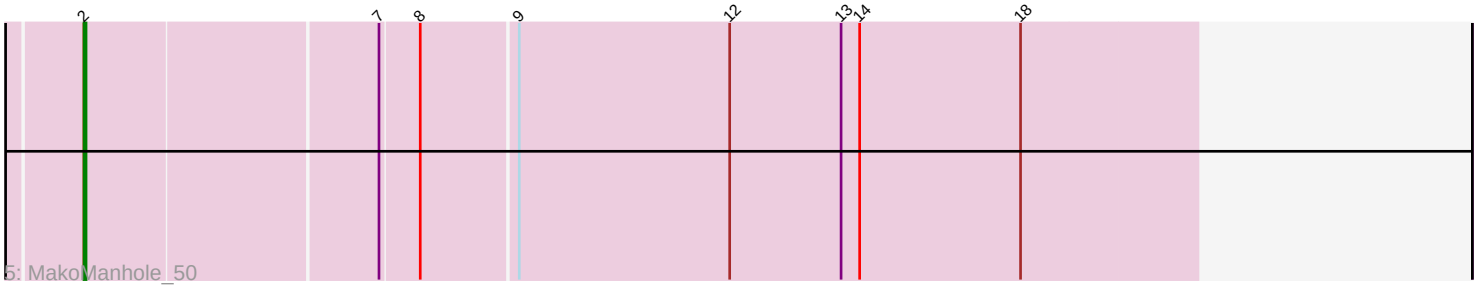
Pham 225140


1
4
11
15
16
17
19
20
21
22
1: Shenandoah_56


1
4
11
15
16
17
19
20
21
22
2: Deenasa_57


2
3
5
6
7
8
10
11
13
3: Axumite_50 + 2


2
3
5
6
7
8
10
11
13
4: Fresco_50 + 1


2
7
8
9
12
13
14
18
5: MakoManhole_50

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 225140 Report

This analysis was run 03/28/25 on database version 593.

Pham number 225140 has 8 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Shenandoah_56
• Track 2 : Deenasa_57
• Track 3 : Axumite_50, Shatter_50, CharlottesWeb_49
• Track 4 : Fresco_50, Ligma_50
• Track 5 : MakoManhole_50

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

The start number called the most often in the published annotations is 3, it was called in 2 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Axumite_50, CharlottesWeb_49, Shatter_50,

Genes that have the "Most Annotated" start but do not call it:
• Fresco_50, Ligma_50,

Genes that do not have the "Most Annotated" start:
• Deenasa_57, MakoManhole_50, Shenandoah_56,

Summary by start number:

Start 2:
• Found in 6 of 8 (75.0%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 16.7% of time when present
• Phage (with cluster) where this start called: MakoManhole_50 (DR),

Start 3:
• Found in 5 of 8 (62.5%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 60.0% of time when present
• Phage (with cluster) where this start called: Axumite_50 (DR), CharlottesWeb_49 (DR), Shatter_50 (DR),

Start 4:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Deenasa_57 (B3), Shenandoah_56 (B3),

Start 6:
• Found in 5 of 8 (62.5%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Fresco_50 (DR), Ligma_50 (DR),

Summary by clusters:

There are 2 clusters represented in this pham: DR, B3,

Info for manual annotations of cluster B3:
•Start number 4 was manually annotated 1 time for cluster B3.

Info for manual annotations of cluster DR:
•Start number 2 was manually annotated 1 time for cluster DR.
•Start number 3 was manually annotated 2 times for cluster DR.
•Start number 6 was manually annotated 2 times for cluster DR.

Gene Information:

Gene: Axumite_50 Start: 44137, Stop: 43628, Start Num: 3
Candidate Starts for Axumite_50:
(Start: 2 @44149 has 1 MA's), (Start: 3 @44137 has 2 MA's), (5, 44101), (Start: 6 @44095 has 2 MA's), (7, 44008), (8, 43990), (10, 43912), (11, 43861), (13, 43786),

Gene: CharlottesWeb_49 Start: 43503, Stop: 42994, Start Num: 3
Candidate Starts for CharlottesWeb_49:
(Start: 2 @43515 has 1 MA's), (Start: 3 @43503 has 2 MA's), (5, 43467), (Start: 6 @43461 has 2 MA's), (7, 43374), (8, 43356), (10, 43278), (11, 43227), (13, 43152),

Gene: Deenasa_57 Start: 52719, Stop: 52066, Start Num: 4
Candidate Starts for Deenasa_57:
(1, 52743), (Start: 4 @52719 has 1 MA's), (11, 52446), (15, 52302), (16, 52296), (17, 52287), (19, 52281), (20, 52242), (21, 52119), (22, 52095),

Gene: Fresco_50 Start: 44095, Stop: 43628, Start Num: 6
Candidate Starts for Fresco_50:
(Start: 2 @44149 has 1 MA's), (Start: 3 @44137 has 2 MA's), (5, 44101), (Start: 6 @44095 has 2 MA's), (7, 44008), (8, 43990), (10, 43912), (11, 43861), (13, 43786),

Gene: Ligma_50 Start: 44095, Stop: 43628, Start Num: 6
Candidate Starts for Ligma_50:
(Start: 2 @44149 has 1 MA's), (Start: 3 @44137 has 2 MA's), (5, 44101), (Start: 6 @44095 has 2 MA's), (7, 44008), (8, 43990), (10, 43912), (11, 43861), (13, 43786),

Gene: MakoManhole_50 Start: 45251, Stop: 44724, Start Num: 2
Candidate Starts for MakoManhole_50:
(Start: 2 @45251 has 1 MA's), (7, 45113), (8, 45095), (9, 45050), (12, 44948), (13, 44894), (14, 44885), (18, 44807),

Gene: Shatter_50 Start: 44137, Stop: 43628, Start Num: 3
Candidate Starts for Shatter_50:
(Start: 2 @44149 has 1 MA's), (Start: 3 @44137 has 2 MA's), (5, 44101), (Start: 6 @44095 has 2 MA's), (7, 44008), (8, 43990), (10, 43912), (11, 43861), (13, 43786),

Gene: Shenandoah_56 Start: 51483, Stop: 50830, Start Num: 4
Candidate Starts for Shenandoah_56:
(1, 51507), (Start: 4 @51483 has 1 MA's), (11, 51210), (15, 51066), (16, 51060), (17, 51051), (19, 51045), (20, 51006), (21, 50883), (22, 50859),