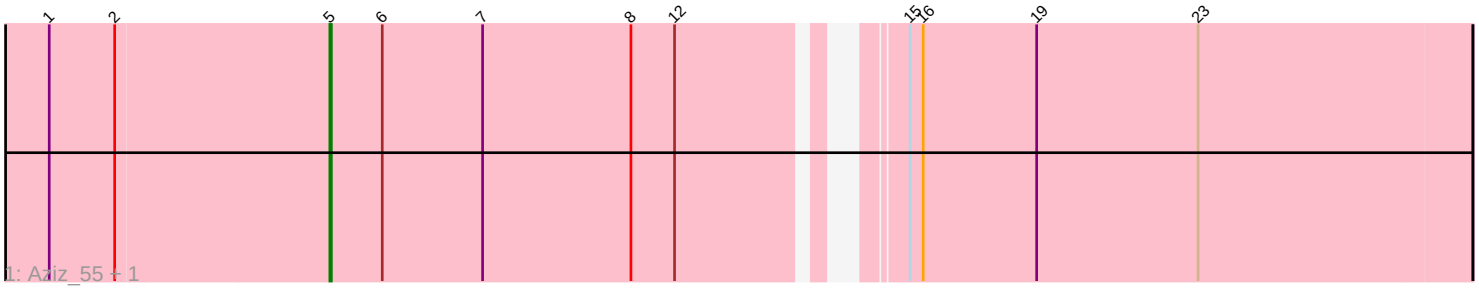
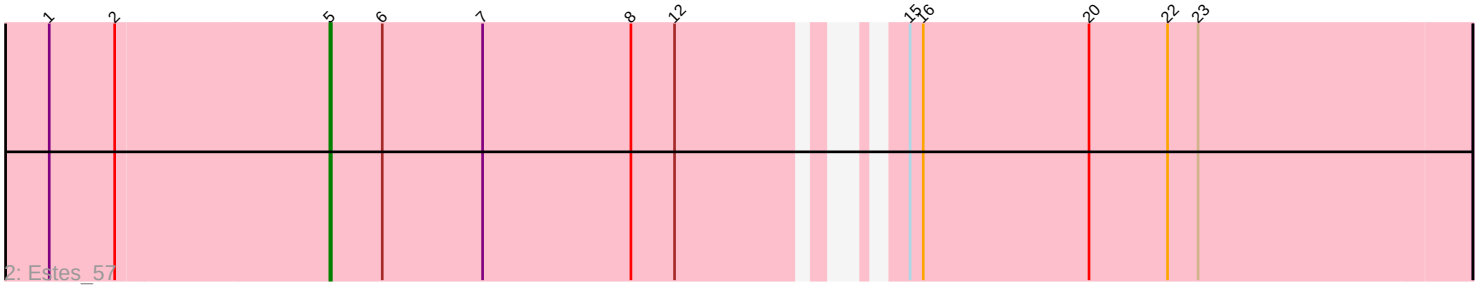
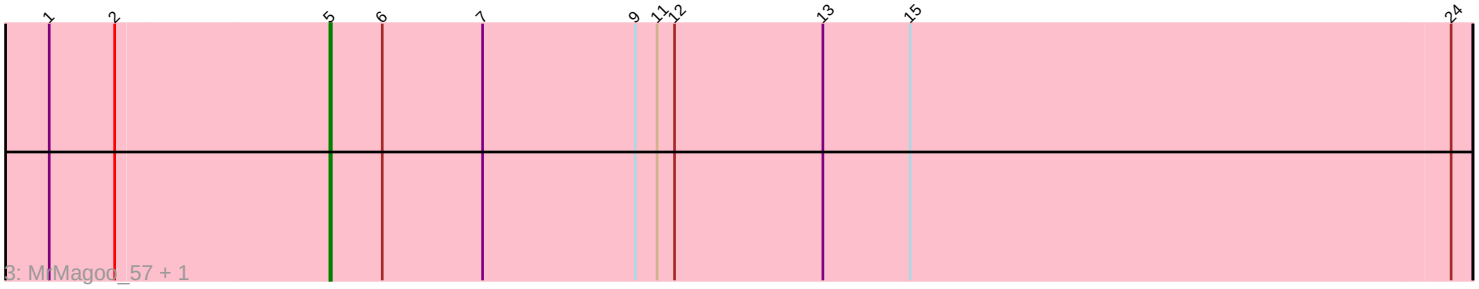
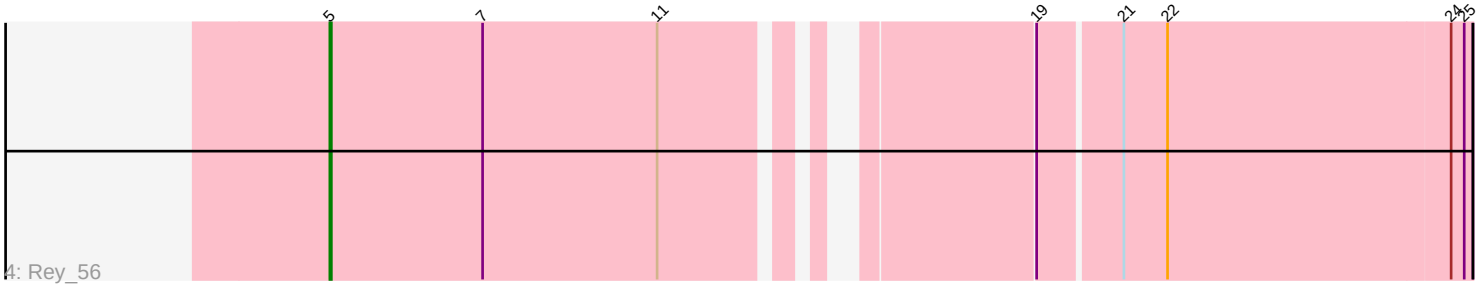
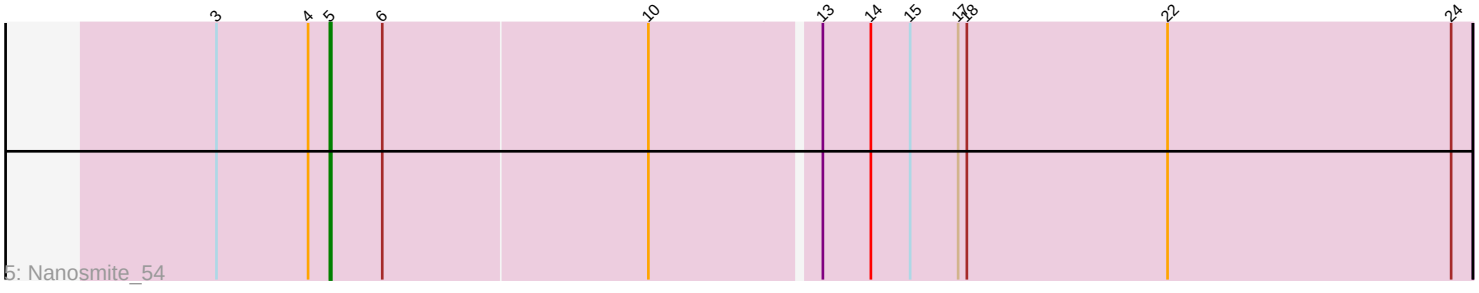
Pham 88069


1
2
5
6
7
8
12
15
16
19
23
1: Aziz_55 + 1


1
2
5
6
7
8
12
15
16
20
22
23
2: Estes_57


1
2
5
6
7
9
11
12
13
15
24
3: MrMagoo_57 + 1


5
7
11
19
21
22
24
25
4: Rey_56


3
4
5
6
10
13
14
15
17
18
22
24
5: Nanosmite_54

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 88069 Report

This analysis was run 04/28/24 on database version 559.

Pham number 88069 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Aziz_55, GenevaB15_55
• Track 2 : Estes_57
• Track 3 : MrMagoo_57, GardenSalsa_57
• Track 4 : Rey_56
• Track 5 : Nanosmite_54

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 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aziz_55, Estes_57, GardenSalsa_57, GenevaB15_55, MrMagoo_57, Nanosmite_54, Rey_56,

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

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

Summary by start number:

Start 5:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aziz_55 (M2), Estes_57 (M2), GardenSalsa_57 (M2), GenevaB15_55 (M2), MrMagoo_57 (M2), Nanosmite_54 (M3), Rey_56 (M2),

Summary by clusters:

There are 2 clusters represented in this pham: M3, M2,

Info for manual annotations of cluster M2:
•Start number 5 was manually annotated 6 times for cluster M2.

Info for manual annotations of cluster M3:
•Start number 5 was manually annotated 1 time for cluster M3.

Gene Information:

Gene: Aziz_55 Start: 38605, Stop: 37865, Start Num: 5
Candidate Starts for Aziz_55:
(1, 38794), (2, 38749), (Start: 5 @38605 has 7 MA's), (6, 38569), (7, 38500), (8, 38398), (12, 38368), (15, 38248), (16, 38239), (19, 38161), (23, 38050),

Gene: Estes_57 Start: 38862, Stop: 38131, Start Num: 5
Candidate Starts for Estes_57:
(1, 39051), (2, 39006), (Start: 5 @38862 has 7 MA's), (6, 38826), (7, 38757), (8, 38655), (12, 38625), (15, 38514), (16, 38505), (20, 38391), (22, 38337), (23, 38316),

Gene: GardenSalsa_57 Start: 39011, Stop: 38229, Start Num: 5
Candidate Starts for GardenSalsa_57:
(1, 39200), (2, 39155), (Start: 5 @39011 has 7 MA's), (6, 38975), (7, 38906), (9, 38801), (11, 38786), (12, 38774), (13, 38672), (15, 38612), (24, 38243),

Gene: GenevaB15_55 Start: 38605, Stop: 37865, Start Num: 5
Candidate Starts for GenevaB15_55:
(1, 38794), (2, 38749), (Start: 5 @38605 has 7 MA's), (6, 38569), (7, 38500), (8, 38398), (12, 38368), (15, 38248), (16, 38239), (19, 38161), (23, 38050),

Gene: MrMagoo_57 Start: 39011, Stop: 38229, Start Num: 5
Candidate Starts for MrMagoo_57:
(1, 39200), (2, 39155), (Start: 5 @39011 has 7 MA's), (6, 38975), (7, 38906), (9, 38801), (11, 38786), (12, 38774), (13, 38672), (15, 38612), (24, 38243),

Gene: Nanosmite_54 Start: 38320, Stop: 37547, Start Num: 5
Candidate Starts for Nanosmite_54:
(3, 38398), (4, 38335), (Start: 5 @38320 has 7 MA's), (6, 38284), (10, 38104), (13, 37993), (14, 37960), (15, 37933), (17, 37900), (18, 37894), (22, 37756), (24, 37561),

Gene: Rey_56 Start: 38887, Stop: 38165, Start Num: 5
Candidate Starts for Rey_56:
(Start: 5 @38887 has 7 MA's), (7, 38782), (11, 38662), (19, 38455), (21, 38401), (22, 38371), (24, 38179), (25, 38170),