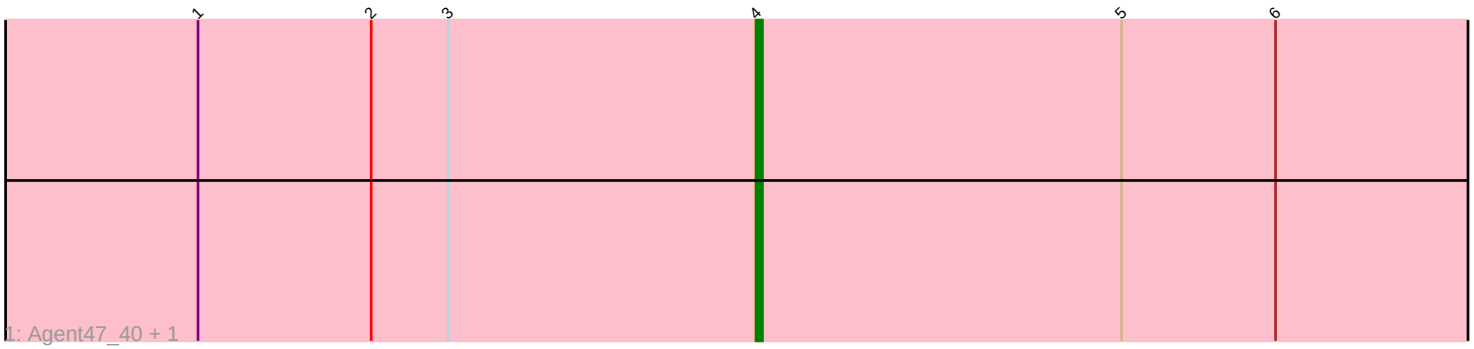
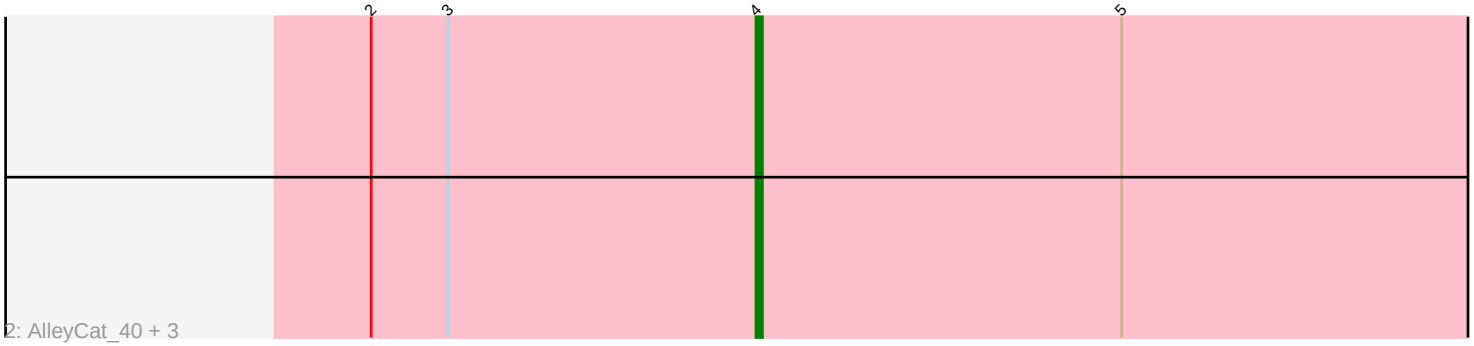
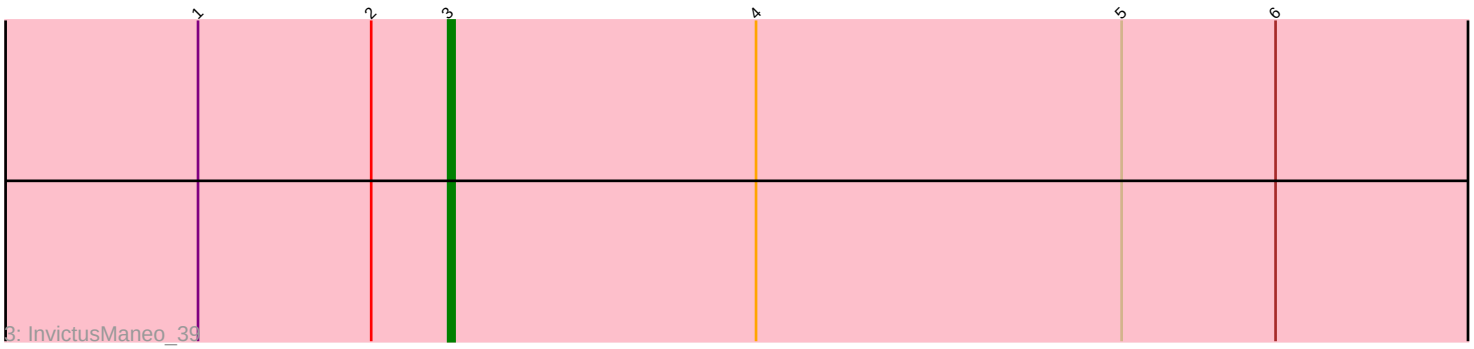
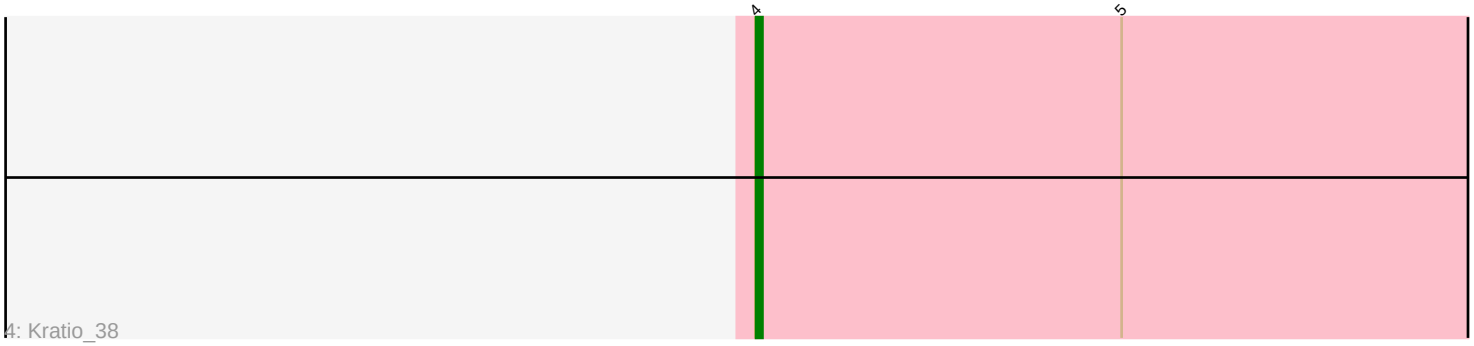
Pham 88099


1
2
3
4
5
6
1: Agent47_40 + 1


2
3
4
5
2: AlleyCat_40 + 3


1
2
3
4
5
6
3: InvictusManeo_39


4
5
4: Kratio_38

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 88099 Report

This analysis was run 04/05/24 on database version 557.

Pham number 88099 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Agent47_40, Collard_39
• Track 2 : AlleyCat_40, Dadosky_40, Psycho_40, Larva_40
• Track 3 : InvictusManeo_39
• Track 4 : Kratio_38

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

Genes that call this "Most Annotated" start:
• Agent47_40, AlleyCat_40, Collard_39, Dadosky_40, Kratio_38, Larva_40, Psycho_40,

Genes that have the "Most Annotated" start but do not call it:
• InvictusManeo_39,

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

Summary by start number:

Start 3:
• Found in 7 of 8 (87.5%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 14.3% of time when present
• Phage (with cluster) where this start called: InvictusManeo_39 (K5),

Start 4:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 87.5% of time when present
• Phage (with cluster) where this start called: Agent47_40 (K5), AlleyCat_40 (K5), Collard_39 (K5), Dadosky_40 (K5), Kratio_38 (K5), Larva_40 (K5), Psycho_40 (K5),

Summary by clusters:

There is one cluster represented in this pham: K5

Info for manual annotations of cluster K5:
•Start number 3 was manually annotated 1 time for cluster K5.
•Start number 4 was manually annotated 6 times for cluster K5.

Gene Information:

Gene: Agent47_40 Start: 32983, Stop: 33129, Start Num: 4
Candidate Starts for Agent47_40:
(1, 32896), (2, 32923), (Start: 3 @32935 has 1 MA's), (Start: 4 @32983 has 6 MA's), (5, 33040), (6, 33064),

Gene: AlleyCat_40 Start: 32836, Stop: 32982, Start Num: 4
Candidate Starts for AlleyCat_40:
(2, 32776), (Start: 3 @32788 has 1 MA's), (Start: 4 @32836 has 6 MA's), (5, 32893),

Gene: Collard_39 Start: 32944, Stop: 33090, Start Num: 4
Candidate Starts for Collard_39:
(1, 32857), (2, 32884), (Start: 3 @32896 has 1 MA's), (Start: 4 @32944 has 6 MA's), (5, 33001), (6, 33025),

Gene: Dadosky_40 Start: 32838, Stop: 32984, Start Num: 4
Candidate Starts for Dadosky_40:
(2, 32778), (Start: 3 @32790 has 1 MA's), (Start: 4 @32838 has 6 MA's), (5, 32895),

Gene: InvictusManeo_39 Start: 32939, Stop: 33133, Start Num: 3
Candidate Starts for InvictusManeo_39:
(1, 32900), (2, 32927), (Start: 3 @32939 has 1 MA's), (Start: 4 @32987 has 6 MA's), (5, 33044), (6, 33068),

Gene: Kratio_38 Start: 32535, Stop: 32681, Start Num: 4
Candidate Starts for Kratio_38:
(Start: 4 @32535 has 6 MA's), (5, 32592),

Gene: Larva_40 Start: 32705, Stop: 32851, Start Num: 4
Candidate Starts for Larva_40:
(2, 32645), (Start: 3 @32657 has 1 MA's), (Start: 4 @32705 has 6 MA's), (5, 32762),

Gene: Psycho_40 Start: 32835, Stop: 32981, Start Num: 4
Candidate Starts for Psycho_40:
(2, 32775), (Start: 3 @32787 has 1 MA's), (Start: 4 @32835 has 6 MA's), (5, 32892),