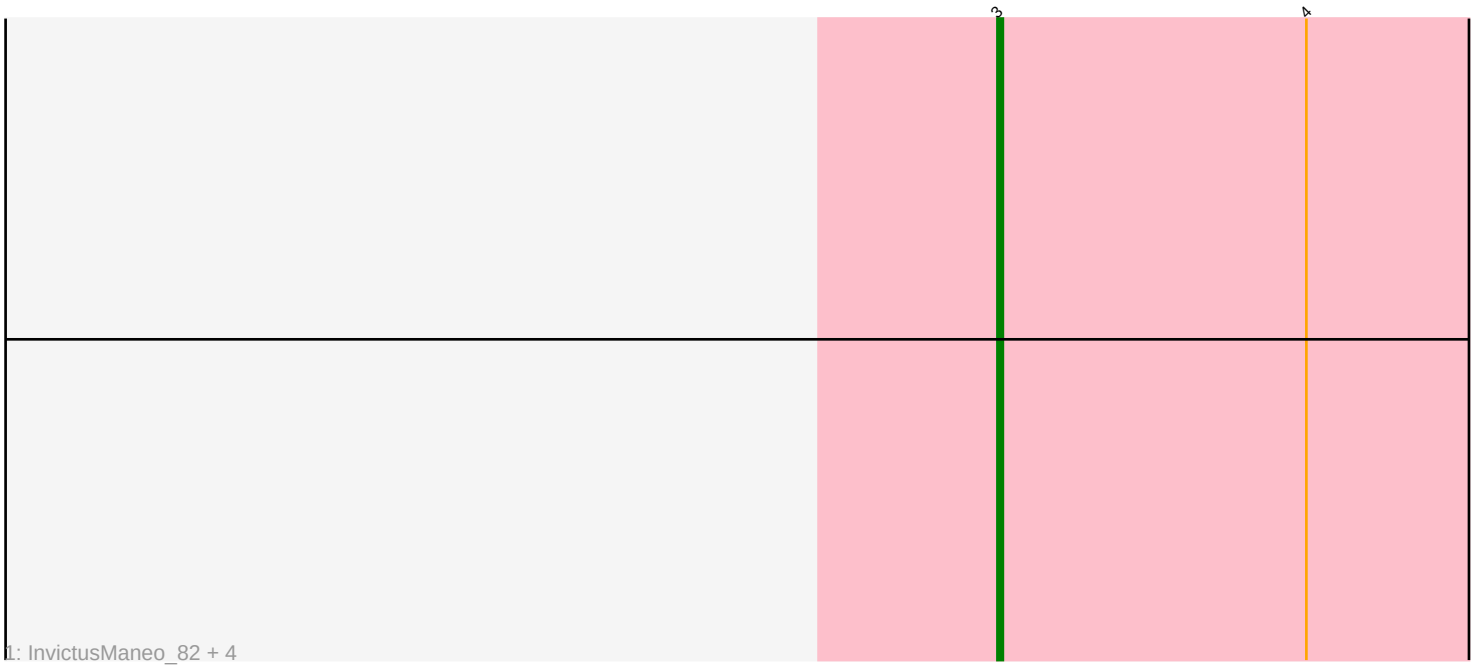
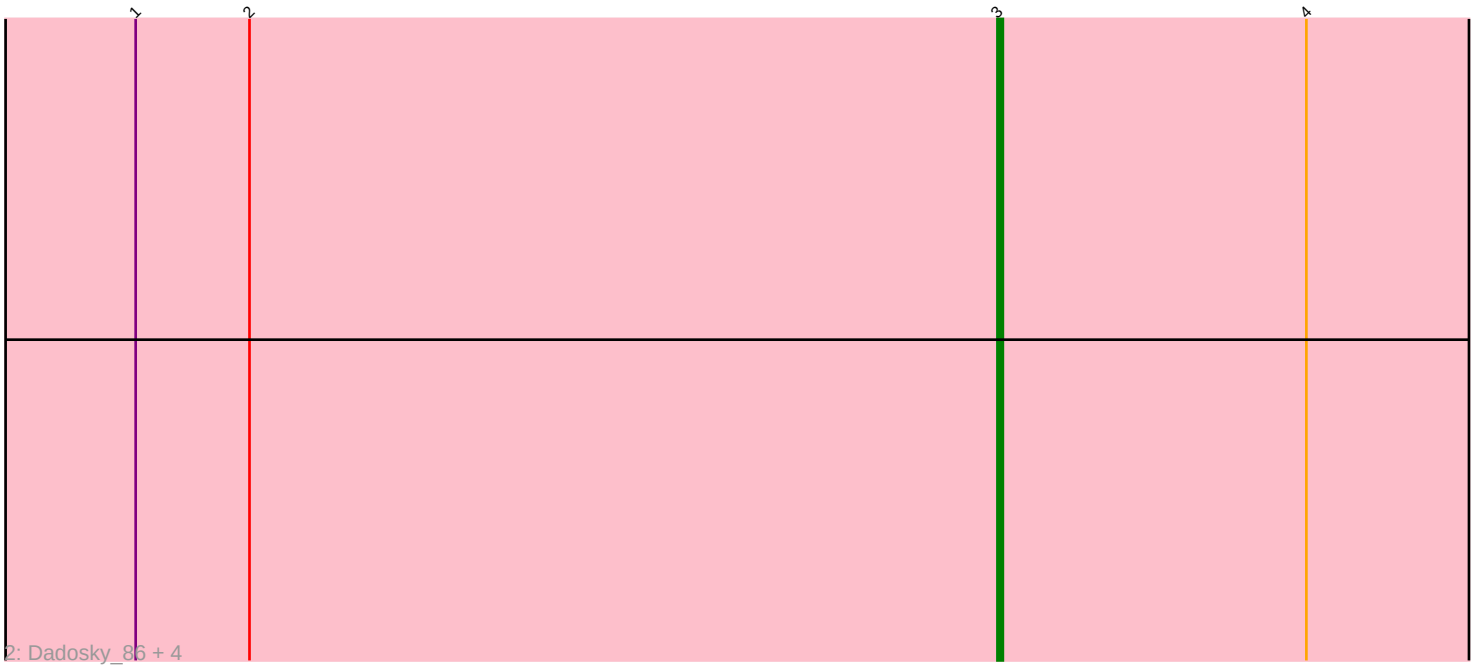
Pham 87685





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 87685 Report

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

Pham number 87685 has 10 members, 1 are drafts.

Phages represented in each track:
• Track 1 : InvictusManeo_82, SoSeph_85, Collard_83, Heftyboy_85, Agent47_82
• Track 2 : Dadosky_86, AlleyCat_86, Larva_85, Kratio_86, Psycho_84

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 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Agent47_82, AlleyCat_86, Collard_83, Dadosky_86, Heftyboy_85, InvictusManeo_82, Kratio_86, Larva_85, Psycho_84, SoSeph_85,

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 3:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 9 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Agent47_82 (K5), AlleyCat_86 (K5), Collard_83 (K5), Dadosky_86 (K5), Heftyboy_85 (K5), InvictusManeo_82 (K5), Kratio_86 (K5), Larva_85 (K5), Psycho_84 (K5), SoSeph_85 (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 9 times for cluster K5.

Gene Information:

Gene: Agent47_82 Start: 53789, Stop: 53956, Start Num: 3
Candidate Starts for Agent47_82:
(Start: 3 @53789 has 9 MA's), (4, 53846),

Gene: AlleyCat_86 Start: 54924, Stop: 55091, Start Num: 3
Candidate Starts for AlleyCat_86:
(1, 54765), (2, 54786), (Start: 3 @54924 has 9 MA's), (4, 54981),

Gene: Collard_83 Start: 54039, Stop: 54206, Start Num: 3
Candidate Starts for Collard_83:
(Start: 3 @54039 has 9 MA's), (4, 54096),

Gene: Dadosky_86 Start: 54925, Stop: 55092, Start Num: 3
Candidate Starts for Dadosky_86:
(1, 54766), (2, 54787), (Start: 3 @54925 has 9 MA's), (4, 54982),

Gene: Heftyboy_85 Start: 55766, Stop: 55933, Start Num: 3
Candidate Starts for Heftyboy_85:
(Start: 3 @55766 has 9 MA's), (4, 55823),

Gene: InvictusManeo_82 Start: 53793, Stop: 53960, Start Num: 3
Candidate Starts for InvictusManeo_82:
(Start: 3 @53793 has 9 MA's), (4, 53850),

Gene: Kratio_86 Start: 54819, Stop: 54986, Start Num: 3
Candidate Starts for Kratio_86:
(1, 54660), (2, 54681), (Start: 3 @54819 has 9 MA's), (4, 54876),

Gene: Larva_85 Start: 55797, Stop: 55964, Start Num: 3
Candidate Starts for Larva_85:
(1, 55638), (2, 55659), (Start: 3 @55797 has 9 MA's), (4, 55854),

Gene: Psycho_84 Start: 54922, Stop: 55089, Start Num: 3
Candidate Starts for Psycho_84:
(1, 54763), (2, 54784), (Start: 3 @54922 has 9 MA's), (4, 54979),

Gene: SoSeph_85 Start: 55766, Stop: 55933, Start Num: 3
Candidate Starts for SoSeph_85:
(Start: 3 @55766 has 9 MA's), (4, 55823),