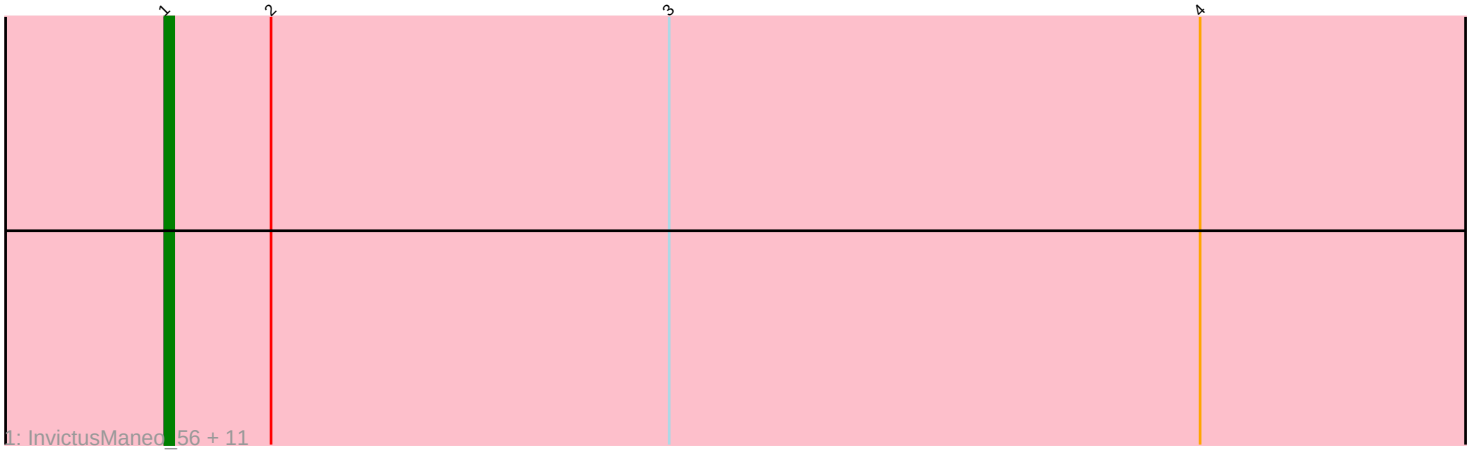
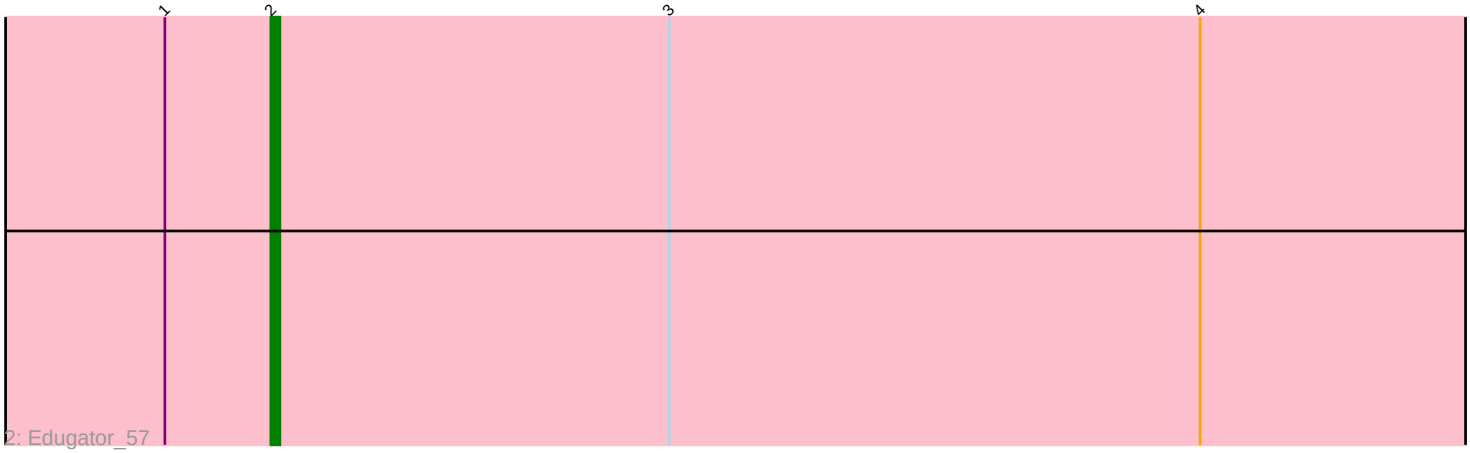
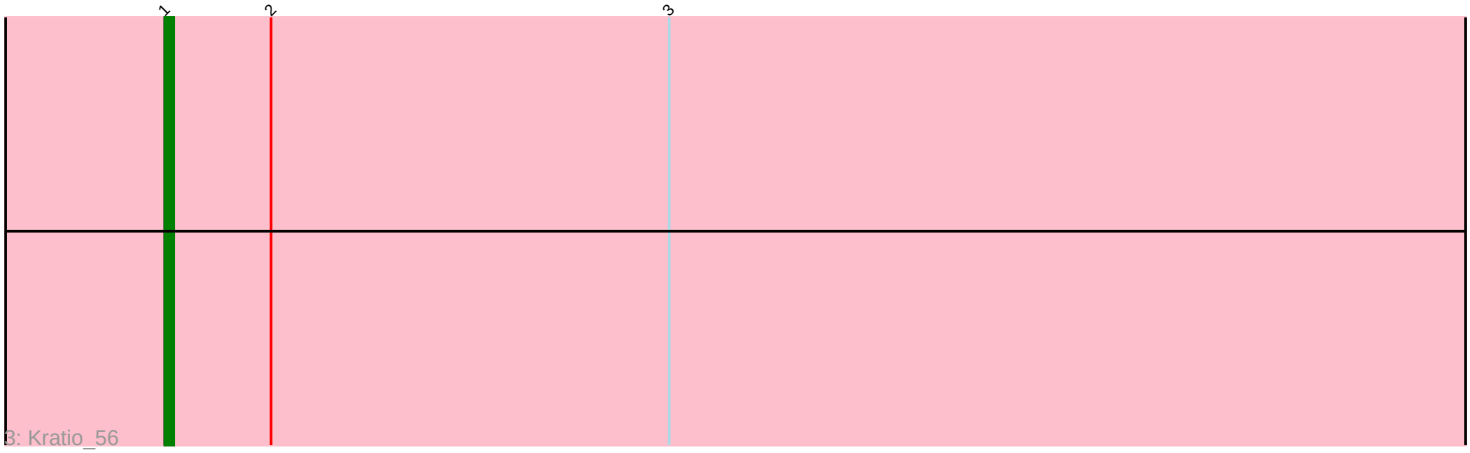
Pham 348158







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 348158 Report

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

Pham number 348158 has 14 members, 2 are drafts.

Phages represented in each track:
• Track 1 : InvictusManeo_56, Psycho_58, Neighly_60, BananenDer11_58, Collard_56, Larva_59, Dadosky_60, Agent47_58, LilDirt_57, DoubleChamp_55, AlleyCat_60, ViviJ_57
• Track 2 : Edugator_57
• Track 3 : Kratio_56

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 11 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Agent47_58, AlleyCat_60, BananenDer11_58, Collard_56, Dadosky_60, DoubleChamp_55, InvictusManeo_56, Kratio_56, Larva_59, LilDirt_57, Neighly_60, Psycho_58, ViviJ_57,

Genes that have the "Most Annotated" start but do not call it:
• Edugator_57,

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

Summary by start number:

Start 1:
• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 12
• Called 92.9% of time when present
• Phage (with cluster) where this start called: Agent47_58 (K5), AlleyCat_60 (K5), BananenDer11_58 (K5), Collard_56 (K5), Dadosky_60 (K5), DoubleChamp_55 (K5), InvictusManeo_56 (K5), Kratio_56 (K5), Larva_59 (K5), LilDirt_57 (K5), Neighly_60 (K3), Psycho_58 (K5), ViviJ_57 (K5),

Start 2:

• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 7.1% of time when present
• Phage (with cluster) where this start called: Edugator_57 (K5),

Summary by clusters:

There are 2 clusters represented in this pham: K3, K5,

Info for manual annotations of cluster K5:
•Start number 1 was manually annotated 11 times for cluster K5.
•Start number 2 was manually annotated 1 time for cluster K5.

Gene Information:

Gene: Agent47_58 Start: 39821, Stop: 40000, Start Num: 1
Candidate Starts for Agent47_58:
(Start: 1 @39821 has 11 MA's), (Start: 2 @39833 has 1 MA's), (3, 39878), (4, 39938),

Gene: AlleyCat_60 Start: 40119, Stop: 40298, Start Num: 1
Candidate Starts for AlleyCat_60:
(Start: 1 @40119 has 11 MA's), (Start: 2 @40131 has 1 MA's), (3, 40176), (4, 40236),

Gene: BananenDer11_58 Start: 39782, Stop: 39961, Start Num: 1
Candidate Starts for BananenDer11_58:
(Start: 1 @39782 has 11 MA's), (Start: 2 @39794 has 1 MA's), (3, 39839), (4, 39899),

Gene: Collard_56 Start: 39782, Stop: 39961, Start Num: 1
Candidate Starts for Collard_56:
(Start: 1 @39782 has 11 MA's), (Start: 2 @39794 has 1 MA's), (3, 39839), (4, 39899),

Gene: Dadosky_60 Start: 40121, Stop: 40300, Start Num: 1
Candidate Starts for Dadosky_60:
(Start: 1 @40121 has 11 MA's), (Start: 2 @40133 has 1 MA's), (3, 40178), (4, 40238),

Gene: DoubleChamp_55 Start: 39782, Stop: 39961, Start Num: 1
Candidate Starts for DoubleChamp_55:
(Start: 1 @39782 has 11 MA's), (Start: 2 @39794 has 1 MA's), (3, 39839), (4, 39899),

Gene: Edugator_57 Start: 41554, Stop: 41721, Start Num: 2
Candidate Starts for Edugator_57:
(Start: 1 @41542 has 11 MA's), (Start: 2 @41554 has 1 MA's), (3, 41599), (4, 41659),

Gene: InvictusManeo_56 Start: 39825, Stop: 40004, Start Num: 1
Candidate Starts for InvictusManeo_56:
(Start: 1 @39825 has 11 MA's), (Start: 2 @39837 has 1 MA's), (3, 39882), (4, 39942),

Gene: Kratio_56 Start: 39561, Stop: 39740, Start Num: 1
Candidate Starts for Kratio_56:
(Start: 1 @39561 has 11 MA's), (Start: 2 @39573 has 1 MA's), (3, 39618),

Gene: Larva_59 Start: 40993, Stop: 41172, Start Num: 1
Candidate Starts for Larva_59:
(Start: 1 @40993 has 11 MA's), (Start: 2 @41005 has 1 MA's), (3, 41050), (4, 41110),

Gene: LilDirt_57 Start: 39583, Stop: 39762, Start Num: 1
Candidate Starts for LilDirt_57:
(Start: 1 @39583 has 11 MA's), (Start: 2 @39595 has 1 MA's), (3, 39640), (4, 39700),

Gene: Neighly_60 Start: 40992, Stop: 41171, Start Num: 1
Candidate Starts for Neighly_60:
(Start: 1 @40992 has 11 MA's), (Start: 2 @41004 has 1 MA's), (3, 41049), (4, 41109),

Gene: Psycho_58 Start: 40118, Stop: 40297, Start Num: 1
Candidate Starts for Psycho_58:
(Start: 1 @40118 has 11 MA's), (Start: 2 @40130 has 1 MA's), (3, 40175), (4, 40235),

Gene: ViviJ_57 Start: 39582, Stop: 39761, Start Num: 1
Candidate Starts for ViviJ_57:
(Start: 1 @39582 has 11 MA's), (Start: 2 @39594 has 1 MA's), (3, 39639), (4, 39699),