Pham 225078

1: InvictusManed_56 + 8

2: Edugator_57

3: Kratio_56

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 225078 Report

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

Pham number 225078 has 11 members, 2 are drafts.

Phages represented in each track:
• Track 1 : InvictusManeo_56, Psycho_58, Neighly_60, Collard_56, Larva_59, Agent47_58, ViviJ_56, AlleyCat_60, Dadosky_60
• 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 8 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Agent47_58, AlleyCat_60, Collard_56, Dadosky_60, InvictusManeo_56, Kratio_56, Larva_59, Neighly_60, Psycho_58, ViviJ_56,

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 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 9
• Called 90.9% of time when present
• Phage (with cluster) where this start called: Agent47_58 (K5), AlleyCat_60 (K5), Collard_56 (K5), Dadosky_60 (K5), InvictusManeo_56 (K5), Kratio_56 (K5), Larva_59 (K5), Neighly_60 (K3), Psycho_58 (K5), ViviJ_56 (K5),

Start 2:
• Found in 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 9.1% 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 8 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 8 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 8 MA's), (Start: 2 @40131 has 1 MA's), (3, 40176), (4, 40236),

Gene: Collard_56 Start: 39782, Stop: 39961, Start Num: 1
Candidate Starts for Collard_56:
(Start: 1 @39782 has 8 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 8 MA's), (Start: 2 @40133 has 1 MA's), (3, 40178), (4, 40238),

Gene: Edugator_57 Start: 41554, Stop: 41721, Start Num: 2
Candidate Starts for Edugator_57:
(Start: 1 @41542 has 8 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 8 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 8 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 8 MA's), (Start: 2 @41005 has 1 MA's), (3, 41050), (4, 41110),

Gene: Neighly_60 Start: 40992, Stop: 41171, Start Num: 1
Candidate Starts for Neighly_60:
(Start: 1 @40992 has 8 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 8 MA's), (Start: 2 @40130 has 1 MA's), (3, 40175), (4, 40235),

Gene: ViviJ_56 Start: 39582, Stop: 39761, Start Num: 1
Candidate Starts for ViviJ_56:
(Start: 1 @39582 has 8 MA's), (Start: 2 @39594 has 1 MA's), (3, 39639), (4, 39699),