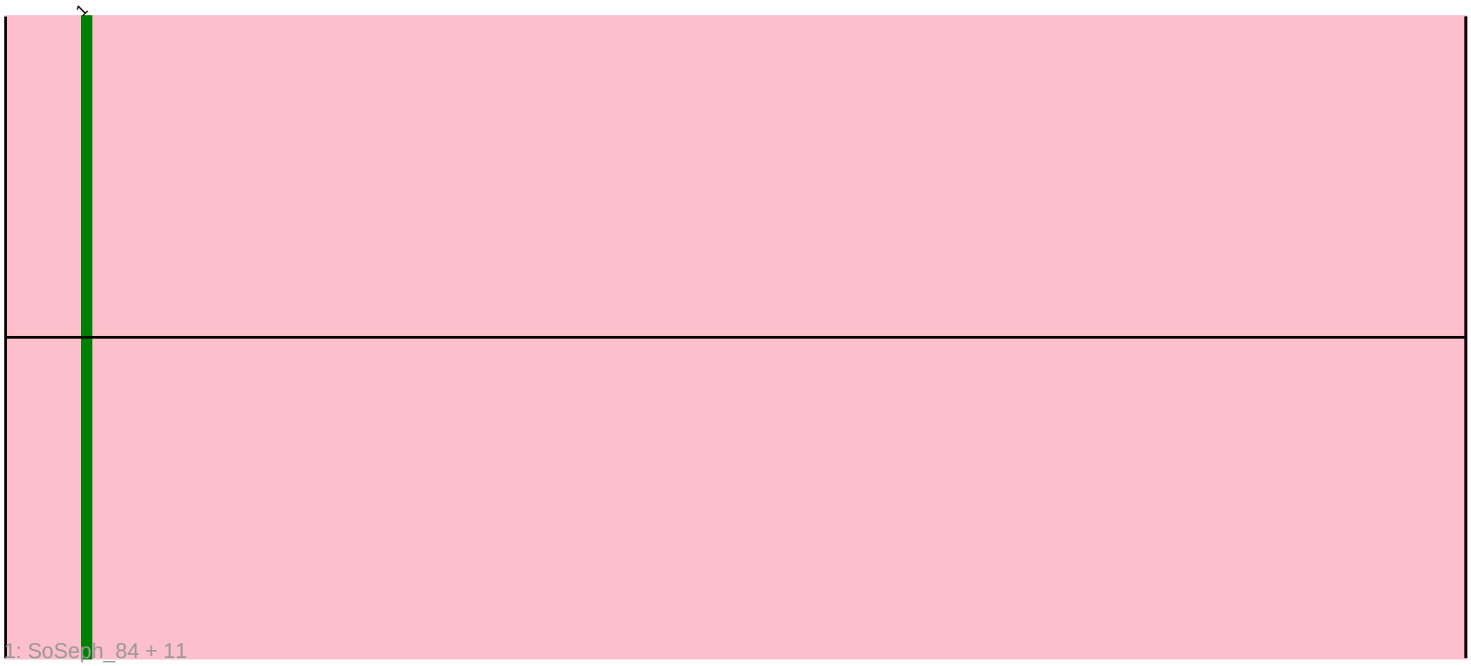
Pham 5660



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 5660 Report

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

Pham number 5660 has 14 members, 1 are drafts.

Phages represented in each track:
• Track 1 : SoSeph_84, InvictusManeo_81, AlleyCat_85, Dadosky_85, Rando14_86, Collard_82, Kratio_85, Omnicron_89, Larva_84, Heftyboy_84, Psycho_83, Agent47_81
• Track 2 : Feyre_88, Thyatira_87

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 13 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Agent47_81, AlleyCat_85, Collard_82, Dadosky_85, Feyre_88, Heftyboy_84, InvictusManeo_81, Kratio_85, Larva_84, Omnicron_89, Psycho_83, Rando14_86, SoSeph_84, Thyatira_87,

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 1:
• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 13 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Agent47_81 (K5), AlleyCat_85 (K5), Collard_82 (K5), Dadosky_85 (K5), Feyre_88 (K5), Heftyboy_84 (K5), InvictusManeo_81 (K5), Kratio_85 (K5), Larva_84 (K5), Omnicron_89 (K5), Psycho_83 (K5), Rando14_86 (K5), SoSeph_84 (K5), Thyatira_87 (K5),

Summary by clusters:

There is one cluster represented in this pham: K5

Info for manual annotations of cluster K5:
•Start number 1 was manually annotated 13 times for cluster K5.

Gene Information:

Gene: Agent47_81 Start: 53594, Stop: 53755, Start Num: 1
Candidate Starts for Agent47_81:
(Start: 1 @53594 has 13 MA's),

Gene: AlleyCat_85 Start: 54737, Stop: 54889, Start Num: 1
Candidate Starts for AlleyCat_85:
(Start: 1 @54737 has 13 MA's),

Gene: Collard_82 Start: 53844, Stop: 54005, Start Num: 1
Candidate Starts for Collard_82:
(Start: 1 @53844 has 13 MA's),

Gene: Dadosky_85 Start: 54738, Stop: 54890, Start Num: 1
Candidate Starts for Dadosky_85:
(Start: 1 @54738 has 13 MA's),

Gene: Feyre_88 Start: 58314, Stop: 58466, Start Num: 1
Candidate Starts for Feyre_88:
(Start: 1 @58314 has 13 MA's), (2, 58428), (3, 58452),

Gene: Heftyboy_84 Start: 55571, Stop: 55732, Start Num: 1
Candidate Starts for Heftyboy_84:
(Start: 1 @55571 has 13 MA's),

Gene: InvictusManeo_81 Start: 53598, Stop: 53759, Start Num: 1
Candidate Starts for InvictusManeo_81:
(Start: 1 @53598 has 13 MA's),

Gene: Kratio_85 Start: 54632, Stop: 54784, Start Num: 1
Candidate Starts for Kratio_85:
(Start: 1 @54632 has 13 MA's),

Gene: Larva_84 Start: 55610, Stop: 55762, Start Num: 1
Candidate Starts for Larva_84:
(Start: 1 @55610 has 13 MA's),

Gene: Omnicron_89 Start: 58146, Stop: 58298, Start Num: 1
Candidate Starts for Omnicron_89:
(Start: 1 @58146 has 13 MA's),

Gene: Psycho_83 Start: 54735, Stop: 54887, Start Num: 1
Candidate Starts for Psycho_83:
(Start: 1 @54735 has 13 MA's),

Gene: Rando14_86 Start: 56557, Stop: 56709, Start Num: 1
Candidate Starts for Rando14_86:
(Start: 1 @56557 has 13 MA's),

Gene: SoSeph_84 Start: 55571, Stop: 55732, Start Num: 1
Candidate Starts for SoSeph_84:
(Start: 1 @55571 has 13 MA's),

Gene: Thyatira_87 Start: 58734, Stop: 58886, Start Num: 1
Candidate Starts for Thyatira_87:
(Start: 1 @58734 has 13 MA's), (2, 58848), (3, 58872),