



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 86432 Report

This analysis was run 03/30/24 on database version 556.

Pham number 86432 has 24 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Gollum_69, Nancinator_68, Alatin_68, Espica_70, Rasputin_69, RER2_63, Alpacados_68, UhSalsa_69, Yoncess_68, Harlequin_69, Jester_68, TWAMP_69, StCroix_68, AppleCloud_66, Bryce_68, Swann_69, Phrankenstein_69, CosmicSans_69, RexFury_68, Belenaria_70, Lillie_69, Naiad_68, Rhodalyssa_69, Erik_69

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 23 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alatin_68, Alpacados_68, AppleCloud_66, Belenaria_70, Bryce_68, CosmicSans_69, Erik_69, Espica_70, Gollum_69, Harlequin_69, Jester_68, Lillie_69, Naiad_68, Nancinator_68, Phrankenstein_69, RER2_63, Rasputin_69, RexFury_68, Rhodalyssa_69, StCroix_68, Swann_69, TWAMP_69, UhSalsa_69, Yoncess_68,

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 24 of 24 (100.0%) of genes in pham
- Manual Annotations of this start: 23 of 23
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alatin_68 (CA), Alpacados_68 (CA), AppleCloud_66 (CA), Belenaria_70 (CA), Bryce_68 (CA), CosmicSans_69 (CA), Erik_69 (CA), Espica_70 (CA), Gollum_69 (CA), Harlequin_69 (CA), Jester_68 (CA), Lillie_69 (CA), Naiad_68 (CA), Nancinator_68 (CA), Phrankenstein_69 (CA), RER2_63 (CA), Rasputin_69 (CA), RexFury_68 (CA), Rhodalyssa_69 (CA),

StCroix_68 (CA), Swann_69 (CA), TWAMP_69 (CA), UhSalsa_69 (CA), Yoncess_68 (CA),

Summary by clusters:

There is one cluster represented in this pham: CA

Info for manual annotations of cluster CA:

•Start number 1 was manually annotated 23 times for cluster CA.

Gene Information:

Gene: Alatin_68 Start: 45991, Stop: 45839, Start Num: 1

Candidate Starts for Alatin_68:

(Start: 1 @45991 has 23 MA's), (2, 45934),

Gene: Alpacados_68 Start: 45814, Stop: 45662, Start Num: 1

Candidate Starts for Alpacados_68:

(Start: 1 @45814 has 23 MA's), (2, 45757),

Gene: AppleCloud_66 Start: 45708, Stop: 45556, Start Num: 1

Candidate Starts for AppleCloud_66:

(Start: 1 @45708 has 23 MA's), (2, 45651),

Gene: Belenaria_70 Start: 45856, Stop: 45704, Start Num: 1

Candidate Starts for Belenaria_70:

(Start: 1 @45856 has 23 MA's), (2, 45799),

Gene: Bryce_68 Start: 45670, Stop: 45518, Start Num: 1

Candidate Starts for Bryce_68:

(Start: 1 @45670 has 23 MA's), (2, 45613),

Gene: CosmicSans_69 Start: 45915, Stop: 45763, Start Num: 1

Candidate Starts for CosmicSans_69:

(Start: 1 @45915 has 23 MA's), (2, 45858),

Gene: Erik_69 Start: 45746, Stop: 45594, Start Num: 1

Candidate Starts for Erik_69:

(Start: 1 @45746 has 23 MA's), (2, 45689),

Gene: Espica_70 Start: 45856, Stop: 45704, Start Num: 1

Candidate Starts for Espica_70:

(Start: 1 @45856 has 23 MA's), (2, 45799),

Gene: Gollum_69 Start: 45857, Stop: 45705, Start Num: 1

Candidate Starts for Gollum_69:

(Start: 1 @45857 has 23 MA's), (2, 45800),

Gene: Harlequin_69 Start: 45705, Stop: 45553, Start Num: 1

Candidate Starts for Harlequin_69:

(Start: 1 @45705 has 23 MA's), (2, 45648),

Gene: Jester_68 Start: 45636, Stop: 45484, Start Num: 1
Candidate Starts for Jester_68:
(Start: 1 @45636 has 23 MA's), (2, 45579),

Gene: Lillie_69 Start: 45915, Stop: 45763, Start Num: 1
Candidate Starts for Lillie_69:
(Start: 1 @45915 has 23 MA's), (2, 45858),

Gene: Naiad_68 Start: 45937, Stop: 45785, Start Num: 1
Candidate Starts for Naiad_68:
(Start: 1 @45937 has 23 MA's), (2, 45880),

Gene: Nancinator_68 Start: 45254, Stop: 45102, Start Num: 1
Candidate Starts for Nancinator_68:
(Start: 1 @45254 has 23 MA's), (2, 45197),

Gene: Phrankenstein_69 Start: 45861, Stop: 45709, Start Num: 1
Candidate Starts for Phrankenstein_69:
(Start: 1 @45861 has 23 MA's), (2, 45804),

Gene: RER2_63 Start: 42787, Stop: 42635, Start Num: 1
Candidate Starts for RER2_63:
(Start: 1 @42787 has 23 MA's), (2, 42730),

Gene: Rasputin_69 Start: 45885, Stop: 45733, Start Num: 1
Candidate Starts for Rasputin_69:
(Start: 1 @45885 has 23 MA's), (2, 45828),

Gene: RexFury_68 Start: 45945, Stop: 45793, Start Num: 1
Candidate Starts for RexFury_68:
(Start: 1 @45945 has 23 MA's), (2, 45888),

Gene: Rhodalysa_69 Start: 45915, Stop: 45763, Start Num: 1
Candidate Starts for Rhodalysa_69:
(Start: 1 @45915 has 23 MA's), (2, 45858),

Gene: StCroix_68 Start: 45937, Stop: 45785, Start Num: 1
Candidate Starts for StCroix_68:
(Start: 1 @45937 has 23 MA's), (2, 45880),

Gene: Swann_69 Start: 45913, Stop: 45761, Start Num: 1
Candidate Starts for Swann_69:
(Start: 1 @45913 has 23 MA's), (2, 45856),

Gene: TWAMP_69 Start: 45915, Stop: 45763, Start Num: 1
Candidate Starts for TWAMP_69:
(Start: 1 @45915 has 23 MA's), (2, 45858),

Gene: UhSalsa_69 Start: 45856, Stop: 45704, Start Num: 1
Candidate Starts for UhSalsa_69:
(Start: 1 @45856 has 23 MA's), (2, 45799),

Gene: Yoncess_68 Start: 45674, Stop: 45522, Start Num: 1
Candidate Starts for Yoncess_68:
(Start: 1 @45674 has 23 MA's), (2, 45617),