



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 85981 Report

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

Pham number 85981 has 38 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Yogi_32, Dinger_32, AppleCloud_30, RER2_25, Hiro_32, Shuman_32, AngryOrchard_31, Harlequin_32, Jester_32, Bryce_32, Takoda_32, TWAMP_32, Lillie_32, Rasputin_32, Yoncess_32, Swann_32, Phrankenstein_32, Bonanza_32, CosmicSans_32, Krishelle_32, Rhodalysa_32, RexFury_32, BobbyDazzler_32, PhailMary_31
- Track 2 : Nancinator_32, Gollum_32, Alatin_32, UhSalsa_32, Bradshaw_32, StCroix_32, Natosaleda_32, Belenaria_32, Erik_32, Naiad_32, Espica_32
- Track 3 : RGL3_25
- Track 4 : Alpacados_31
- Track 5 : Partridge_32

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 4, it was called in 34 of the 36 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alatin_32, AngryOrchard_31, AppleCloud_30, Belenaria_32, BobbyDazzler_32, Bonanza_32, Bradshaw_32, Bryce_32, CosmicSans_32, Dinger_32, Erik_32, Espica_32, Gollum_32, Harlequin_32, Hiro_32, Jester_32, Krishelle_32, Lillie_32, Naiad_32, Nancinator_32, Natosaleda_32, PhailMary_31, Phrankenstein_32, RER2_25, Rasputin_32, RexFury_32, Rhodalysa_32, Shuman_32, StCroix_32, Swann_32, TWAMP_32, Takoda_32, UhSalsa_32, Yogi_32, Yoncess_32,

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

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

- Alpacados_31, Partridge_32, RGL3_25,

Summary by start number:

Start 1:

- Found in 2 of 38 (5.3%) of genes in pham

- Manual Annotations of this start: 2 of 36
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alpacados_31 (CA), Partridge_32 (CA),

Start 3:

- Found in 1 of 38 (2.6%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: RGL3_25 (CA),

Start 4:

- Found in 35 of 38 (92.1%) of genes in pham
- Manual Annotations of this start: 34 of 36
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alatin_32 (CA), AngryOrchard_31 (CA), AppleCloud_30 (CA), Belenaria_32 (CA), BobbyDazzler_32 (CA), Bonanza_32 (CA), Bradshaw_32 (CA), Bryce_32 (CA), CosmicSans_32 (CA), Dinger_32 (CA), Erik_32 (CA), Espica_32 (CA), Gollum_32 (CA), Harlequin_32 (CA), Hiro_32 (CA), Jester_32 (CA), Krishelle_32 (CA), Lillie_32 (CA), Naiad_32 (CA), Nancinator_32 (CA), Natosaleda_32 (CA), PhailMary_31 (CA), PhrankenStein_32 (CA), RER2_25 (CA), Rasputin_32 (CA), RexFury_32 (CA), Rhodalysa_32 (CA), Shuman_32 (CA), StCroix_32 (CA), Swann_32 (CA), TWAMP_32 (CA), Takoda_32 (CA), UhSalsa_32 (CA), Yogi_32 (CA), Yoncess_32 (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 2 times for cluster CA.
- Start number 4 was manually annotated 34 times for cluster CA.

Gene Information:

Gene: Alatin_32 Start: 25575, Stop: 25012, Start Num: 4

Candidate Starts for Alatin_32:

(Start: 4 @25575 has 34 MA's), (6, 25434), (7, 25425),

Gene: Alpacados_31 Start: 25480, Stop: 24881, Start Num: 1

Candidate Starts for Alpacados_31:

(Start: 1 @25480 has 2 MA's), (2, 25453), (5, 25432),

Gene: AngryOrchard_31 Start: 25440, Stop: 24877, Start Num: 4

Candidate Starts for AngryOrchard_31:

(Start: 4 @25440 has 34 MA's),

Gene: AppleCloud_30 Start: 25450, Stop: 24887, Start Num: 4

Candidate Starts for AppleCloud_30:

(Start: 4 @25450 has 34 MA's),

Gene: Belenaria_32 Start: 25509, Stop: 24946, Start Num: 4

Candidate Starts for Belenaria_32:
(Start: 4 @25509 has 34 MA's), (6, 25368), (7, 25359),

Gene: BobbyDazzler_32 Start: 25554, Stop: 24991, Start Num: 4
Candidate Starts for BobbyDazzler_32:
(Start: 4 @25554 has 34 MA's),

Gene: Bonanza_32 Start: 25482, Stop: 24919, Start Num: 4
Candidate Starts for Bonanza_32:
(Start: 4 @25482 has 34 MA's),

Gene: Bradshaw_32 Start: 25508, Stop: 24945, Start Num: 4
Candidate Starts for Bradshaw_32:
(Start: 4 @25508 has 34 MA's), (6, 25367), (7, 25358),

Gene: Bryce_32 Start: 25483, Stop: 24920, Start Num: 4
Candidate Starts for Bryce_32:
(Start: 4 @25483 has 34 MA's),

Gene: CosmicSans_32 Start: 25508, Stop: 24945, Start Num: 4
Candidate Starts for CosmicSans_32:
(Start: 4 @25508 has 34 MA's),

Gene: Dinger_32 Start: 25492, Stop: 24929, Start Num: 4
Candidate Starts for Dinger_32:
(Start: 4 @25492 has 34 MA's),

Gene: Erik_32 Start: 25506, Stop: 24943, Start Num: 4
Candidate Starts for Erik_32:
(Start: 4 @25506 has 34 MA's), (6, 25365), (7, 25356),

Gene: Espica_32 Start: 25509, Stop: 24946, Start Num: 4
Candidate Starts for Espica_32:
(Start: 4 @25509 has 34 MA's), (6, 25368), (7, 25359),

Gene: Gollum_32 Start: 25508, Stop: 24945, Start Num: 4
Candidate Starts for Gollum_32:
(Start: 4 @25508 has 34 MA's), (6, 25367), (7, 25358),

Gene: Harlequin_32 Start: 25513, Stop: 24950, Start Num: 4
Candidate Starts for Harlequin_32:
(Start: 4 @25513 has 34 MA's),

Gene: Hiro_32 Start: 25768, Stop: 25205, Start Num: 4
Candidate Starts for Hiro_32:
(Start: 4 @25768 has 34 MA's),

Gene: Jester_32 Start: 25444, Stop: 24881, Start Num: 4
Candidate Starts for Jester_32:
(Start: 4 @25444 has 34 MA's),

Gene: Krishelle_32 Start: 25792, Stop: 25229, Start Num: 4
Candidate Starts for Krishelle_32:

(Start: 4 @25792 has 34 MA's),

Gene: Lillie_32 Start: 25508, Stop: 24945, Start Num: 4

Candidate Starts for Lillie_32:

(Start: 4 @25508 has 34 MA's),

Gene: Naiad_32 Start: 25521, Stop: 24958, Start Num: 4

Candidate Starts for Naiad_32:

(Start: 4 @25521 has 34 MA's), (6, 25380), (7, 25371),

Gene: Nancinator_32 Start: 25509, Stop: 24946, Start Num: 4

Candidate Starts for Nancinator_32:

(Start: 4 @25509 has 34 MA's), (6, 25368), (7, 25359),

Gene: Natosaleda_32 Start: 25508, Stop: 24945, Start Num: 4

Candidate Starts for Natosaleda_32:

(Start: 4 @25508 has 34 MA's), (6, 25367), (7, 25358),

Gene: Partridge_32 Start: 25591, Stop: 24992, Start Num: 1

Candidate Starts for Partridge_32:

(Start: 1 @25591 has 2 MA's), (2, 25564), (5, 25543), (6, 25414), (7, 25405),

Gene: PhailMary_31 Start: 25830, Stop: 25267, Start Num: 4

Candidate Starts for PhailMary_31:

(Start: 4 @25830 has 34 MA's),

Gene: Phrankenstein_32 Start: 25454, Stop: 24891, Start Num: 4

Candidate Starts for Phrankenstein_32:

(Start: 4 @25454 has 34 MA's),

Gene: RER2_25 Start: 22380, Stop: 21817, Start Num: 4

Candidate Starts for RER2_25:

(Start: 4 @22380 has 34 MA's),

Gene: RGL3_25 Start: 22872, Stop: 22300, Start Num: 3

Candidate Starts for RGL3_25:

(3, 22872), (7, 22719), (8, 22317),

Gene: Rasputin_32 Start: 25478, Stop: 24915, Start Num: 4

Candidate Starts for Rasputin_32:

(Start: 4 @25478 has 34 MA's),

Gene: RexFury_32 Start: 25539, Stop: 24976, Start Num: 4

Candidate Starts for RexFury_32:

(Start: 4 @25539 has 34 MA's),

Gene: Rhodalysa_32 Start: 25508, Stop: 24945, Start Num: 4

Candidate Starts for Rhodalysa_32:

(Start: 4 @25508 has 34 MA's),

Gene: Shuman_32 Start: 25521, Stop: 24958, Start Num: 4

Candidate Starts for Shuman_32:

(Start: 4 @25521 has 34 MA's),

Gene: StCroix_32 Start: 25521, Stop: 24958, Start Num: 4
Candidate Starts for StCroix_32:
(Start: 4 @25521 has 34 MA's), (6, 25380), (7, 25371),

Gene: Swann_32 Start: 25508, Stop: 24945, Start Num: 4
Candidate Starts for Swann_32:
(Start: 4 @25508 has 34 MA's),

Gene: TWAMP_32 Start: 25508, Stop: 24945, Start Num: 4
Candidate Starts for TWAMP_32:
(Start: 4 @25508 has 34 MA's),

Gene: Takoda_32 Start: 25481, Stop: 24918, Start Num: 4
Candidate Starts for Takoda_32:
(Start: 4 @25481 has 34 MA's),

Gene: UhSalsa_32 Start: 25509, Stop: 24946, Start Num: 4
Candidate Starts for UhSalsa_32:
(Start: 4 @25509 has 34 MA's), (6, 25368), (7, 25359),

Gene: Yogi_32 Start: 25482, Stop: 24919, Start Num: 4
Candidate Starts for Yogi_32:
(Start: 4 @25482 has 34 MA's),

Gene: Yoncess_32 Start: 25483, Stop: 24920, Start Num: 4
Candidate Starts for Yoncess_32:
(Start: 4 @25483 has 34 MA's),