



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 2545 Report

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

Pham number 2545 has 33 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Nancinator_67, Hiro_68, Alatin_67, Espica_69, RER2_62, Shuman_69, Yoncess_67, Alpacados_67, UhSalsa_68, Harlequin_68, Rasputin_68, Jester_67, AppleCloud_65, StCroix_67, Gollum_68, TWAMP_68, Bryce_67, Swann_68, Naiad_67, Phrankenstein_68, CosmicSans_68, RexFury_67, BobbyDazzler_68, Belenaria_69, Yogi_69, Lillie_68, Rhodalysa_68, Bonanza_69, Natosaleda_67, Krishelle_68, PhailMary_65, Erik_68
- Track 2 : Bradshaw_68

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 32 of the 32 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alatin_67, Alpacados_67, AppleCloud_65, Belenaria_69, BobbyDazzler_68, Bonanza_69, Bradshaw_68, Bryce_67, CosmicSans_68, Erik_68, Espica_69, Gollum_68, Harlequin_68, Hiro_68, Jester_67, Krishelle_68, Lillie_68, Naiad_67, Nancinator_67, Natosaleda_67, PhailMary_65, Phrankenstein_68, RER2_62, Rasputin_68, RexFury_67, Rhodalysa_68, Shuman_69, StCroix_67, Swann_68, TWAMP_68, UhSalsa_68, Yogi_69, Yoncess_67,

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 33 of 33 (100.0%) of genes in pham
- Manual Annotations of this start: 32 of 32
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Alatin_67 (CA), Alpacados_67 (CA), AppleCloud_65 (CA), Belenaria_69 (CA), BobbyDazzler_68 (CA), Bonanza_69 (CA), Bradshaw_68 (CA), Bryce_67 (CA), CosmicSans_68 (CA), Erik_68 (CA), Espica_69 (CA), Gollum_68 (CA), Harlequin_68 (CA), Hiro_68 (CA), Jester_67 (CA), Krishelle_68 (CA), Lillie_68 (CA), Naiad_67 (CA), Nancinator_67 (CA), Natosaleda_67 (CA), PhailMary_65 (CA), Phrankenstein_68 (CA), RER2_62 (CA), Rasputin_68 (CA), RexFury_67 (CA), Rhodalysa_68 (CA), Shuman_69 (CA), StCroix_67 (CA), Swann_68 (CA), TWAMP_68 (CA), UhSalsa_68 (CA), Yogi_69 (CA), Yoncess_67 (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 32 times for cluster CA.

Gene Information:

Gene: Alatin_67 Start: 45247, Stop: 44996, Start Num: 1

Candidate Starts for Alatin_67:

(Start: 1 @45247 has 32 MA's), (2, 45172), (3, 45151), (4, 45079), (5, 45019), (6, 45004),

Gene: Alpacados_67 Start: 45070, Stop: 44819, Start Num: 1

Candidate Starts for Alpacados_67:

(Start: 1 @45070 has 32 MA's), (2, 44995), (3, 44974), (4, 44902), (5, 44842), (6, 44827),

Gene: AppleCloud_65 Start: 44964, Stop: 44713, Start Num: 1

Candidate Starts for AppleCloud_65:

(Start: 1 @44964 has 32 MA's), (2, 44889), (3, 44868), (4, 44796), (5, 44736), (6, 44721),

Gene: Belenaria_69 Start: 45112, Stop: 44861, Start Num: 1

Candidate Starts for Belenaria_69:

(Start: 1 @45112 has 32 MA's), (2, 45037), (3, 45016), (4, 44944), (5, 44884), (6, 44869),

Gene: BobbyDazzler_68 Start: 45218, Stop: 44967, Start Num: 1

Candidate Starts for BobbyDazzler_68:

(Start: 1 @45218 has 32 MA's), (2, 45143), (3, 45122), (4, 45050), (5, 44990), (6, 44975),

Gene: Bonanza_69 Start: 45522, Stop: 45271, Start Num: 1

Candidate Starts for Bonanza_69:

(Start: 1 @45522 has 32 MA's), (2, 45447), (3, 45426), (4, 45354), (5, 45294), (6, 45279),

Gene: Bradshaw_68 Start: 45180, Stop: 44929, Start Num: 1

Candidate Starts for Bradshaw_68:

(Start: 1 @45180 has 32 MA's), (2, 45105), (3, 45084), (5, 44952), (6, 44937),

Gene: Bryce_67 Start: 44926, Stop: 44675, Start Num: 1

Candidate Starts for Bryce_67:

(Start: 1 @44926 has 32 MA's), (2, 44851), (3, 44830), (4, 44758), (5, 44698), (6, 44683),

Gene: CosmicSans_68 Start: 45171, Stop: 44920, Start Num: 1
Candidate Starts for CosmicSans_68:
(Start: 1 @45171 has 32 MA's), (2, 45096), (3, 45075), (4, 45003), (5, 44943), (6, 44928),

Gene: Erik_68 Start: 45002, Stop: 44751, Start Num: 1
Candidate Starts for Erik_68:
(Start: 1 @45002 has 32 MA's), (2, 44927), (3, 44906), (4, 44834), (5, 44774), (6, 44759),

Gene: Espica_69 Start: 45112, Stop: 44861, Start Num: 1
Candidate Starts for Espica_69:
(Start: 1 @45112 has 32 MA's), (2, 45037), (3, 45016), (4, 44944), (5, 44884), (6, 44869),

Gene: Gollum_68 Start: 45113, Stop: 44862, Start Num: 1
Candidate Starts for Gollum_68:
(Start: 1 @45113 has 32 MA's), (2, 45038), (3, 45017), (4, 44945), (5, 44885), (6, 44870),

Gene: Harlequin_68 Start: 44961, Stop: 44710, Start Num: 1
Candidate Starts for Harlequin_68:
(Start: 1 @44961 has 32 MA's), (2, 44886), (3, 44865), (4, 44793), (5, 44733), (6, 44718),

Gene: Hiro_68 Start: 45432, Stop: 45181, Start Num: 1
Candidate Starts for Hiro_68:
(Start: 1 @45432 has 32 MA's), (2, 45357), (3, 45336), (4, 45264), (5, 45204), (6, 45189),

Gene: Jester_67 Start: 44892, Stop: 44641, Start Num: 1
Candidate Starts for Jester_67:
(Start: 1 @44892 has 32 MA's), (2, 44817), (3, 44796), (4, 44724), (5, 44664), (6, 44649),

Gene: Krishelle_68 Start: 45540, Stop: 45289, Start Num: 1
Candidate Starts for Krishelle_68:
(Start: 1 @45540 has 32 MA's), (2, 45465), (3, 45444), (4, 45372), (5, 45312), (6, 45297),

Gene: Lillie_68 Start: 45171, Stop: 44920, Start Num: 1
Candidate Starts for Lillie_68:
(Start: 1 @45171 has 32 MA's), (2, 45096), (3, 45075), (4, 45003), (5, 44943), (6, 44928),

Gene: Naiad_67 Start: 45193, Stop: 44942, Start Num: 1
Candidate Starts for Naiad_67:
(Start: 1 @45193 has 32 MA's), (2, 45118), (3, 45097), (4, 45025), (5, 44965), (6, 44950),

Gene: Nancinator_67 Start: 44510, Stop: 44259, Start Num: 1
Candidate Starts for Nancinator_67:
(Start: 1 @44510 has 32 MA's), (2, 44435), (3, 44414), (4, 44342), (5, 44282), (6, 44267),

Gene: Natosaleda_67 Start: 45111, Stop: 44860, Start Num: 1
Candidate Starts for Natosaleda_67:
(Start: 1 @45111 has 32 MA's), (2, 45036), (3, 45015), (4, 44943), (5, 44883), (6, 44868),

Gene: PhailMary_65 Start: 44188, Stop: 43937, Start Num: 1
Candidate Starts for PhailMary_65:
(Start: 1 @44188 has 32 MA's), (2, 44113), (3, 44092), (4, 44020), (5, 43960), (6, 43945),

Gene: Phrankenstien_68 Start: 45117, Stop: 44866, Start Num: 1

Candidate Starts for Phrankenstein_68:

(Start: 1 @45117 has 32 MA's), (2, 45042), (3, 45021), (4, 44949), (5, 44889), (6, 44874),

Gene: RER2_62 Start: 42043, Stop: 41792, Start Num: 1

Candidate Starts for RER2_62:

(Start: 1 @42043 has 32 MA's), (2, 41968), (3, 41947), (4, 41875), (5, 41815), (6, 41800),

Gene: Rasputin_68 Start: 45141, Stop: 44890, Start Num: 1

Candidate Starts for Rasputin_68:

(Start: 1 @45141 has 32 MA's), (2, 45066), (3, 45045), (4, 44973), (5, 44913), (6, 44898),

Gene: RexFury_67 Start: 45201, Stop: 44950, Start Num: 1

Candidate Starts for RexFury_67:

(Start: 1 @45201 has 32 MA's), (2, 45126), (3, 45105), (4, 45033), (5, 44973), (6, 44958),

Gene: Rhodalysa_68 Start: 45171, Stop: 44920, Start Num: 1

Candidate Starts for Rhodalysa_68:

(Start: 1 @45171 has 32 MA's), (2, 45096), (3, 45075), (4, 45003), (5, 44943), (6, 44928),

Gene: Shuman_69 Start: 45122, Stop: 44871, Start Num: 1

Candidate Starts for Shuman_69:

(Start: 1 @45122 has 32 MA's), (2, 45047), (3, 45026), (4, 44954), (5, 44894), (6, 44879),

Gene: StCroix_67 Start: 45193, Stop: 44942, Start Num: 1

Candidate Starts for StCroix_67:

(Start: 1 @45193 has 32 MA's), (2, 45118), (3, 45097), (4, 45025), (5, 44965), (6, 44950),

Gene: Swann_68 Start: 45169, Stop: 44918, Start Num: 1

Candidate Starts for Swann_68:

(Start: 1 @45169 has 32 MA's), (2, 45094), (3, 45073), (4, 45001), (5, 44941), (6, 44926),

Gene: TWAMP_68 Start: 45171, Stop: 44920, Start Num: 1

Candidate Starts for TWAMP_68:

(Start: 1 @45171 has 32 MA's), (2, 45096), (3, 45075), (4, 45003), (5, 44943), (6, 44928),

Gene: UhSalsa_68 Start: 45112, Stop: 44861, Start Num: 1

Candidate Starts for UhSalsa_68:

(Start: 1 @45112 has 32 MA's), (2, 45037), (3, 45016), (4, 44944), (5, 44884), (6, 44869),

Gene: Yogi_69 Start: 45522, Stop: 45271, Start Num: 1

Candidate Starts for Yogi_69:

(Start: 1 @45522 has 32 MA's), (2, 45447), (3, 45426), (4, 45354), (5, 45294), (6, 45279),

Gene: Yoncess_67 Start: 44930, Stop: 44679, Start Num: 1

Candidate Starts for Yoncess_67:

(Start: 1 @44930 has 32 MA's), (2, 44855), (3, 44834), (4, 44762), (5, 44702), (6, 44687),