



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 309070 Report

This analysis was run 06/27/26 on database version 652.

Pham number 309070 has 28 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Sollertia_38, Stanimal_38, BoomerJR_38, Genie2_38
- Track 2 : Brizzy_37, Wipeout_35, Bordeaux_36, MindFlayer_36, PumpkinSpice_37, Birchlyn_35, IchabodCrane_35, TomSawyer_36, AcciDwight_41, Quaran19_38, Daisy123_41, Spelly_38, Rikishi_38, CeilingFan_37, Spilled_38, KentuckyRacer_38, Jollison_37, Karimac_37, JimJam_38, Battuta_36, Amabiko_38, Starbow_36, SaltySpittoon_38, Gibbi_40

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 25 of the 25 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AcciDwight_41, Amabiko_38, Battuta_36, Birchlyn_35, BoomerJR_38, Bordeaux_36, Brizzy_37, CeilingFan_37, Daisy123_41, Genie2_38, Gibbi_40, IchabodCrane_35, JimJam_38, Jollison_37, Karimac_37, KentuckyRacer_38, MindFlayer_36, PumpkinSpice_37, Quaran19_38, Rikishi_38, SaltySpittoon_38, Sollertia_38, Spelly_38, Spilled_38, Stanimal_38, Starbow_36, TomSawyer_36, Wipeout_35,

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 28 of 28 (100.0%) of genes in pham
- Manual Annotations of this start: 25 of 25
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AcciDwight_41 (BE2), Amabiko_38 (BE2), Battuta_36 (BE2), Birchlyn_35 (BE2), BoomerJR_38 (BE2), Bordeaux_36

(BE2), Brizzy_37 (BE2), CeilingFan_37 (BE2), Daisy123_41 (BE2), Genie2_38 (BE2), Gibbi_40 (BE2), IchabodCrane_35 (BE2), JimJam_38 (BE2), Jollison_37 (BE2), Karimac_37 (BE2), KentuckyRacer_38 (BE2), MindFlayer_36 (BE2), PumpkinSpice_37 (BE2), Quarant19_38 (BE2), Rikishi_38 (BE2), SaltySpittoon_38 (BE2), Sollertia_38 (BE2), Spelly_38 (BE2), Spilled_38 (BE2), Stanimal_38 (BE2), Starbow_36 (BE2), TomSawyer_36 (BE2), Wipeout_35 (BE2),

Summary by clusters:

There is one cluster represented in this pham: BE2

Info for manual annotations of cluster BE2:

•Start number 1 was manually annotated 25 times for cluster BE2.

Gene Information:

Gene: AcciDwight_41 Start: 16461, Stop: 16336, Start Num: 1

Candidate Starts for AcciDwight_41:

(Start: 1 @16461 has 25 MA's), (2, 16440), (3, 16377),

Gene: Amabiko_38 Start: 16506, Stop: 16381, Start Num: 1

Candidate Starts for Amabiko_38:

(Start: 1 @16506 has 25 MA's), (2, 16485), (3, 16422),

Gene: Battuta_36 Start: 16482, Stop: 16357, Start Num: 1

Candidate Starts for Battuta_36:

(Start: 1 @16482 has 25 MA's), (2, 16461), (3, 16398),

Gene: Birchlyn_35 Start: 14363, Stop: 14238, Start Num: 1

Candidate Starts for Birchlyn_35:

(Start: 1 @14363 has 25 MA's), (2, 14342), (3, 14279),

Gene: BoomerJR_38 Start: 16315, Stop: 16190, Start Num: 1

Candidate Starts for BoomerJR_38:

(Start: 1 @16315 has 25 MA's), (3, 16231),

Gene: Bordeaux_36 Start: 16497, Stop: 16372, Start Num: 1

Candidate Starts for Bordeaux_36:

(Start: 1 @16497 has 25 MA's), (2, 16476), (3, 16413),

Gene: Brizzy_37 Start: 16156, Stop: 16031, Start Num: 1

Candidate Starts for Brizzy_37:

(Start: 1 @16156 has 25 MA's), (2, 16135), (3, 16072),

Gene: CeilingFan_37 Start: 16257, Stop: 16132, Start Num: 1

Candidate Starts for CeilingFan_37:

(Start: 1 @16257 has 25 MA's), (2, 16236), (3, 16173),

Gene: Daisy123_41 Start: 16116, Stop: 15991, Start Num: 1

Candidate Starts for Daisy123_41:

(Start: 1 @16116 has 25 MA's), (2, 16095), (3, 16032),

Gene: Genie2_38 Start: 16318, Stop: 16193, Start Num: 1
Candidate Starts for Genie2_38:
(Start: 1 @16318 has 25 MA's), (3, 16234),

Gene: Gibbi_40 Start: 16117, Stop: 15992, Start Num: 1
Candidate Starts for Gibbi_40:
(Start: 1 @16117 has 25 MA's), (2, 16096), (3, 16033),

Gene: IchabodCrane_35 Start: 16209, Stop: 16084, Start Num: 1
Candidate Starts for IchabodCrane_35:
(Start: 1 @16209 has 25 MA's), (2, 16188), (3, 16125),

Gene: JimJam_38 Start: 16445, Stop: 16320, Start Num: 1
Candidate Starts for JimJam_38:
(Start: 1 @16445 has 25 MA's), (2, 16424), (3, 16361),

Gene: Jollison_37 Start: 16463, Stop: 16338, Start Num: 1
Candidate Starts for Jollison_37:
(Start: 1 @16463 has 25 MA's), (2, 16442), (3, 16379),

Gene: Karimac_37 Start: 16612, Stop: 16487, Start Num: 1
Candidate Starts for Karimac_37:
(Start: 1 @16612 has 25 MA's), (2, 16591), (3, 16528),

Gene: KentuckyRacer_38 Start: 16258, Stop: 16133, Start Num: 1
Candidate Starts for KentuckyRacer_38:
(Start: 1 @16258 has 25 MA's), (2, 16237), (3, 16174),

Gene: MindFlayer_36 Start: 16116, Stop: 15991, Start Num: 1
Candidate Starts for MindFlayer_36:
(Start: 1 @16116 has 25 MA's), (2, 16095), (3, 16032),

Gene: PumpkinSpice_37 Start: 16506, Stop: 16381, Start Num: 1
Candidate Starts for PumpkinSpice_37:
(Start: 1 @16506 has 25 MA's), (2, 16485), (3, 16422),

Gene: Quaran19_38 Start: 16497, Stop: 16372, Start Num: 1
Candidate Starts for Quaran19_38:
(Start: 1 @16497 has 25 MA's), (2, 16476), (3, 16413),

Gene: Rikishi_38 Start: 16412, Stop: 16287, Start Num: 1
Candidate Starts for Rikishi_38:
(Start: 1 @16412 has 25 MA's), (2, 16391), (3, 16328),

Gene: SaltySpittoon_38 Start: 16506, Stop: 16381, Start Num: 1
Candidate Starts for SaltySpittoon_38:
(Start: 1 @16506 has 25 MA's), (2, 16485), (3, 16422),

Gene: Sollertia_38 Start: 16318, Stop: 16193, Start Num: 1
Candidate Starts for Sollertia_38:
(Start: 1 @16318 has 25 MA's), (3, 16234),

Gene: Spelly_38 Start: 16461, Stop: 16336, Start Num: 1
Candidate Starts for Spelly_38:
(Start: 1 @16461 has 25 MA's), (2, 16440), (3, 16377),

Gene: Spilled_38 Start: 16215, Stop: 16090, Start Num: 1
Candidate Starts for Spilled_38:
(Start: 1 @16215 has 25 MA's), (2, 16194), (3, 16131),

Gene: Stanimal_38 Start: 16318, Stop: 16193, Start Num: 1
Candidate Starts for Stanimal_38:
(Start: 1 @16318 has 25 MA's), (3, 16234),

Gene: Starbow_36 Start: 16482, Stop: 16357, Start Num: 1
Candidate Starts for Starbow_36:
(Start: 1 @16482 has 25 MA's), (2, 16461), (3, 16398),

Gene: TomSawyer_36 Start: 16100, Stop: 15975, Start Num: 1
Candidate Starts for TomSawyer_36:
(Start: 1 @16100 has 25 MA's), (2, 16079), (3, 16016),

Gene: Wipeout_35 Start: 16122, Stop: 15997, Start Num: 1
Candidate Starts for Wipeout_35:
(Start: 1 @16122 has 25 MA's), (2, 16101), (3, 16038),