



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 220182 Report

This analysis was run 03/28/25 on database version 593.

Pham number 220182 has 17 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Birdfeeder_44, BlueRugrat_45, LesNorah_46, Corn21_45, Unphazed_46, Xitlalli_44, TownLake_45
- Track 2 : Alex44_46, Phogo_46, Dashyla_45, LilyLou_47
- Track 3 : Stormbreaker_46
- Track 4 : ArMaWen_45, DumpQuist_45, SwissCheezer_46
- Track 5 : Fede_45, Kosier_45

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

The start number called the most often in the published annotations is 2, it was called in 14 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alex44_46, ArMaWen_45, Birdfeeder_44, BlueRugrat_45, Corn21_45, Dashyla_45, DumpQuist_45, Fede_45, Kosier_45, LesNorah_46, LilyLou_47, Phogo_46, Stormbreaker_46, SwissCheezer_46, TownLake_45, Unphazed_46, Xitlalli_44,

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 2:

- Found in 17 of 17 (100.0%) of genes in pham
- Manual Annotations of this start: 14 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alex44_46 (EK1), ArMaWen_45 (EK1), Birdfeeder_44 (EK1), BlueRugrat_45 (EK1), Corn21_45 (EK1), Dashyla_45 (EK1), DumpQuist_45 (EK1), Fede_45 (EK2), Kosier_45 (EK2), LesNorah_46 (EK1), LilyLou_47 (EK1), Phogo_46 (EK1), Stormbreaker_46 (EK1), SwissCheezer_46 (EK1), TownLake_45 (EK1), Unphazed_46 (EK1), Xitlalli_44 (EK1),

Summary by clusters:

There are 2 clusters represented in this pham: EK2, EK1,

Info for manual annotations of cluster EK1:

- Start number 2 was manually annotated 13 times for cluster EK1.

Info for manual annotations of cluster EK2:

- Start number 2 was manually annotated 1 time for cluster EK2.

Gene Information:

Gene: Alex44_46 Start: 46219, Stop: 46446, Start Num: 2

Candidate Starts for Alex44_46:

(Start: 2 @46219 has 14 MA's), (4, 46360), (7, 46426),

Gene: ArMaWen_45 Start: 45762, Stop: 45989, Start Num: 2

Candidate Starts for ArMaWen_45:

(Start: 2 @45762 has 14 MA's), (4, 45903), (7, 45969), (8, 45975),

Gene: Birdfeeder_44 Start: 45975, Stop: 46196, Start Num: 2

Candidate Starts for Birdfeeder_44:

(Start: 2 @45975 has 14 MA's),

Gene: BlueRugrat_45 Start: 46199, Stop: 46420, Start Num: 2

Candidate Starts for BlueRugrat_45:

(Start: 2 @46199 has 14 MA's),

Gene: Corn21_45 Start: 46277, Stop: 46498, Start Num: 2

Candidate Starts for Corn21_45:

(Start: 2 @46277 has 14 MA's),

Gene: Dashyla_45 Start: 45893, Stop: 46120, Start Num: 2

Candidate Starts for Dashyla_45:

(Start: 2 @45893 has 14 MA's), (4, 46034), (7, 46100),

Gene: DumpQuist_45 Start: 45747, Stop: 45974, Start Num: 2

Candidate Starts for DumpQuist_45:

(Start: 2 @45747 has 14 MA's), (4, 45888), (7, 45954), (8, 45960),

Gene: Fede_45 Start: 46720, Stop: 46935, Start Num: 2

Candidate Starts for Fede_45:

(1, 46501), (Start: 2 @46720 has 14 MA's), (3, 46762), (5, 46891), (6, 46903), (9, 46924),

Gene: Kosier_45 Start: 46664, Stop: 46879, Start Num: 2

Candidate Starts for Kosier_45:

(1, 46445), (Start: 2 @46664 has 14 MA's), (3, 46706), (5, 46835), (6, 46847), (9, 46868),

Gene: LesNorah_46 Start: 46596, Stop: 46817, Start Num: 2

Candidate Starts for LesNorah_46:

(Start: 2 @46596 has 14 MA's),

Gene: LilyLou_47 Start: 46211, Stop: 46438, Start Num: 2

Candidate Starts for LilyLou_47:

(Start: 2 @46211 has 14 MA's), (4, 46352), (7, 46418),

Gene: Phogo_46 Start: 46039, Stop: 46266, Start Num: 2

Candidate Starts for Phogo_46:

(Start: 2 @46039 has 14 MA's), (4, 46180), (7, 46246),

Gene: Stormbreaker_46 Start: 46127, Stop: 46354, Start Num: 2

Candidate Starts for Stormbreaker_46:

(Start: 2 @46127 has 14 MA's), (4, 46268), (7, 46334), (8, 46340),

Gene: SwissCheezer_46 Start: 45779, Stop: 46006, Start Num: 2

Candidate Starts for SwissCheezer_46:

(Start: 2 @45779 has 14 MA's), (4, 45920), (7, 45986), (8, 45992),

Gene: TownLake_45 Start: 45886, Stop: 46107, Start Num: 2

Candidate Starts for TownLake_45:

(Start: 2 @45886 has 14 MA's),

Gene: Unphazed_46 Start: 46000, Stop: 46224, Start Num: 2

Candidate Starts for Unphazed_46:

(Start: 2 @46000 has 14 MA's),

Gene: Xitlalli_44 Start: 46004, Stop: 46225, Start Num: 2

Candidate Starts for Xitlalli_44:

(Start: 2 @46004 has 14 MA's),