Pham 274751


2
1: Birdfeeder_44 + 7
2
4
7
2: Alex44_46 + 3
2
4
7
8
3: Stormbreaker_46
2
4
7
8
4: ArMaWen_45 + 2
1
2
3
5
6
9
5: Fede_45 + 1

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 274751 Report

This analysis was run 02/07/26 on database version 634.

Pham number 274751 has 18 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Birdfeeder_44, BlueRugrat_45, LesNorah_46, Corn21_45, Unphazed_46, Xitlalli_44, TownLake_44, Conditioner_45
• Track 2 : Alex44_46, Phogo_46, Dashyla_45, LilyLou_47
• Track 3 : Stormbreaker_46
• Track 4 : ArMaWen_45, SwissCheezer_45, DumpQuist_45
• 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 17 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alex44_46, ArMaWen_45, Birdfeeder_44, BlueRugrat_45, Conditioner_45, Corn21_45, Dashyla_45, DumpQuist_45, Fede_45, Kosier_45, LesNorah_46, LilyLou_47, Phogo_46, Stormbreaker_46, SwissCheezer_45, TownLake_44, 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 18 of 18 (100.0%) of genes in pham
• Manual Annotations of this start: 17 of 17
• 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), Conditioner_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_45 (EK1), TownLake_44 (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 15 times for cluster EK1.

Info for manual annotations of cluster EK2:
•Start number 2 was manually annotated 2 times for cluster EK2.

Gene Information:

Gene: Alex44_46 Start: 46219, Stop: 46446, Start Num: 2
Candidate Starts for Alex44_46:
(Start: 2 @46219 has 17 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 17 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 17 MA's),

Gene: BlueRugrat_45 Start: 46199, Stop: 46420, Start Num: 2
Candidate Starts for BlueRugrat_45:
(Start: 2 @46199 has 17 MA's),

Gene: Conditioner_45 Start: 46272, Stop: 46493, Start Num: 2
Candidate Starts for Conditioner_45:
(Start: 2 @46272 has 17 MA's),

Gene: Corn21_45 Start: 46277, Stop: 46498, Start Num: 2
Candidate Starts for Corn21_45:
(Start: 2 @46277 has 17 MA's),

Gene: Dashyla_45 Start: 45893, Stop: 46120, Start Num: 2
Candidate Starts for Dashyla_45:
(Start: 2 @45893 has 17 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 17 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 17 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 17 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 17 MA's),

Gene: LilyLou_47 Start: 46211, Stop: 46438, Start Num: 2
Candidate Starts for LilyLou_47:
(Start: 2 @46211 has 17 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 17 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 17 MA's), (4, 46268), (7, 46334), (8, 46340),

Gene: SwissCheezer_45 Start: 45779, Stop: 46006, Start Num: 2
Candidate Starts for SwissCheezer_45:
(Start: 2 @45779 has 17 MA's), (4, 45920), (7, 45986), (8, 45992),

Gene: TownLake_44 Start: 45886, Stop: 46107, Start Num: 2
Candidate Starts for TownLake_44:
(Start: 2 @45886 has 17 MA's),

Gene: Unphazed_46 Start: 46000, Stop: 46224, Start Num: 2
Candidate Starts for Unphazed_46:
(Start: 2 @46000 has 17 MA's),

Gene: Xitlalli_44 Start: 46004, Stop: 46225, Start Num: 2
Candidate Starts for Xitlalli_44:
(Start: 2 @46004 has 17 MA's),