



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 214473 Report

This analysis was run 02/22/25 on database version 588.

Pham number 214473 has 35 members, 5 are drafts.

Phages represented in each track:

- Track 1 : DumpTruck_62, Xenia2_61
- Track 2 : Ranch_63, DoobyDoo_62, Gibbin_65, Erutan_63, Gretellyn_63, Lila22_64, Zany_61, ParvusTarda_62, Sadboi_64, Sampudon_63, Yikes_65, MoiGyank_66, Patos_67, NorManre_67, Lambo_61, Fulcrum_63, OtterstedtS21_63, Jalebi_62, GOATification_63, BirthdayBoy_65, LavAbarElk_63
- Track 3 : Alyssamiracle_66, Rumi_64, Genamy16_66, NovaSharks_65
- Track 4 : LuckyLeo_60, Apeppi_58
- Track 5 : DaviePasture_63
- Track 6 : RazorC_63
- Track 7 : Wojtek_59
- Track 8 : Alephilan_64
- Track 9 : Astralis_64
- Track 10 : Wrackline_75

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 30 of the 30 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alyssamiracle_66, Apeppi_58, Astralis_64, BirthdayBoy_65, DaviePasture_63, DoobyDoo_62, DumpTruck_62, Erutan_63, Fulcrum_63, GOATification_63, Genamy16_66, Gibbin_65, Gretellyn_63, Jalebi_62, Lambo_61, LavAbarElk_63, Lila22_64, LuckyLeo_60, MoiGyank_66, NorManre_67, NovaSharks_65, OtterstedtS21_63, ParvusTarda_62, Patos_67, Ranch_63, Rumi_64, Sadboi_64, Sampudon_63, Wojtek_59, Wrackline_75, Xenia2_61, Yikes_65, Zany_61,

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

- Alephilan_64, RazorC_63,

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

-

Summary by start number:

Start 1:

- Found in 35 of 35 (100.0%) of genes in pham
- Manual Annotations of this start: 30 of 30
- Called 94.3% of time when present
- Phage (with cluster) where this start called: Alyssamiracle_66 (DV), Apeppi_58 (DV), Astralis_64 (DV), BirthdayBoy_65 (DV), DaviePasture_63 (DV), DoobyDoo_62 (DV), DumpTruck_62 (DV), Erutan_63 (DV), Fulcrum_63 (DV), GOATification_63 (DV), Genamy16_66 (DV), Gibbin_65 (DV), GretelLyn_63 (DV), Jalebi_62 (DV), Lambo_61 (DV), LavAbarElk_63 (DV), Lila22_64 (DV), LuckyLeo_60 (DV), MoiGyank_66 (DV), NorManre_67 (DV), NovaSharks_65 (DV), OtterstedtS21_63 (DV), ParvusTarda_62 (DV), Patos_67 (DV), Ranch_63 (DV), Rumi_64 (DV), Sadboi_64 (DV), Sampudon_63 (DV), Wojtek_59 (DV), Wrackline_75 (GF), Xenia2_61 (DV), Yikes_65 (DV), Zany_61 (DV),

Start 3:

- Found in 8 of 35 (22.9%) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Alephilan_64 (DV), RazorC_63 (DV),

Summary by clusters:

There are 2 clusters represented in this pham: DV, GF,

Info for manual annotations of cluster DV:

- Start number 1 was manually annotated 30 times for cluster DV.

Gene Information:

Gene: Alephilan_64 Start: 43085, Stop: 43213, Start Num: 3

Candidate Starts for Alephilan_64:

(Start: 1 @43052 has 30 MA's), (3, 43085), (4, 43088), (5, 43169),

Gene: Alyssamiracle_66 Start: 42158, Stop: 42319, Start Num: 1

Candidate Starts for Alyssamiracle_66:

(Start: 1 @42158 has 30 MA's), (3, 42191), (4, 42194),

Gene: Apeppi_58 Start: 42383, Stop: 42544, Start Num: 1

Candidate Starts for Apeppi_58:

(Start: 1 @42383 has 30 MA's), (2, 42404), (5, 42500),

Gene: Astralis_64 Start: 41736, Stop: 41891, Start Num: 1

Candidate Starts for Astralis_64:

(Start: 1 @41736 has 30 MA's), (3, 41769), (4, 41772),

Gene: BirthdayBoy_65 Start: 43470, Stop: 43631, Start Num: 1

Candidate Starts for BirthdayBoy_65:

(Start: 1 @43470 has 30 MA's), (4, 43506),

Gene: DaviePasture_63 Start: 43078, Stop: 43239, Start Num: 1
Candidate Starts for DaviePasture_63:
(Start: 1 @43078 has 30 MA's), (3, 43111), (4, 43114), (5, 43195),

Gene: DoobyDoo_62 Start: 42100, Stop: 42261, Start Num: 1
Candidate Starts for DoobyDoo_62:
(Start: 1 @42100 has 30 MA's), (4, 42136),

Gene: DumpTruck_62 Start: 41789, Stop: 41950, Start Num: 1
Candidate Starts for DumpTruck_62:
(Start: 1 @41789 has 30 MA's), (4, 41825),

Gene: Erutan_63 Start: 42750, Stop: 42911, Start Num: 1
Candidate Starts for Erutan_63:
(Start: 1 @42750 has 30 MA's), (4, 42786),

Gene: Fulcrum_63 Start: 42766, Stop: 42927, Start Num: 1
Candidate Starts for Fulcrum_63:
(Start: 1 @42766 has 30 MA's), (4, 42802),

Gene: GOATification_63 Start: 42766, Stop: 42927, Start Num: 1
Candidate Starts for GOATification_63:
(Start: 1 @42766 has 30 MA's), (4, 42802),

Gene: Genamy16_66 Start: 42144, Stop: 42305, Start Num: 1
Candidate Starts for Genamy16_66:
(Start: 1 @42144 has 30 MA's), (3, 42177), (4, 42180),

Gene: Gibbin_65 Start: 43575, Stop: 43736, Start Num: 1
Candidate Starts for Gibbin_65:
(Start: 1 @43575 has 30 MA's), (4, 43611),

Gene: Gretellyn_63 Start: 43622, Stop: 43783, Start Num: 1
Candidate Starts for Gretellyn_63:
(Start: 1 @43622 has 30 MA's), (4, 43658),

Gene: Jalebi_62 Start: 43967, Stop: 44128, Start Num: 1
Candidate Starts for Jalebi_62:
(Start: 1 @43967 has 30 MA's), (4, 44003),

Gene: Lambo_61 Start: 42573, Stop: 42734, Start Num: 1
Candidate Starts for Lambo_61:
(Start: 1 @42573 has 30 MA's), (4, 42609),

Gene: LavAbarElk_63 Start: 42357, Stop: 42518, Start Num: 1
Candidate Starts for LavAbarElk_63:
(Start: 1 @42357 has 30 MA's), (4, 42393),

Gene: Lila22_64 Start: 43527, Stop: 43688, Start Num: 1
Candidate Starts for Lila22_64:
(Start: 1 @43527 has 30 MA's), (4, 43563),

Gene: LuckyLeo_60 Start: 42383, Stop: 42544, Start Num: 1

Candidate Starts for LuckyLeo_60:
(Start: 1 @42383 has 30 MA's), (2, 42404), (5, 42500),

Gene: MoiGyank_66 Start: 43903, Stop: 44064, Start Num: 1
Candidate Starts for MoiGyank_66:
(Start: 1 @43903 has 30 MA's), (4, 43939),

Gene: NorManre_67 Start: 43967, Stop: 44128, Start Num: 1
Candidate Starts for NorManre_67:
(Start: 1 @43967 has 30 MA's), (4, 44003),

Gene: NovaSharks_65 Start: 41735, Stop: 41896, Start Num: 1
Candidate Starts for NovaSharks_65:
(Start: 1 @41735 has 30 MA's), (3, 41768), (4, 41771),

Gene: OtterstedtS21_63 Start: 42909, Stop: 43070, Start Num: 1
Candidate Starts for OtterstedtS21_63:
(Start: 1 @42909 has 30 MA's), (4, 42945),

Gene: ParvusTarda_62 Start: 42284, Stop: 42445, Start Num: 1
Candidate Starts for ParvusTarda_62:
(Start: 1 @42284 has 30 MA's), (4, 42320),

Gene: Patos_67 Start: 43966, Stop: 44127, Start Num: 1
Candidate Starts for Patos_67:
(Start: 1 @43966 has 30 MA's), (4, 44002),

Gene: Ranch_63 Start: 41741, Stop: 41902, Start Num: 1
Candidate Starts for Ranch_63:
(Start: 1 @41741 has 30 MA's), (4, 41777),

Gene: RazorC_63 Start: 41921, Stop: 42043, Start Num: 3
Candidate Starts for RazorC_63:
(Start: 1 @41888 has 30 MA's), (3, 41921), (4, 41924),

Gene: Rumi_64 Start: 41432, Stop: 41593, Start Num: 1
Candidate Starts for Rumi_64:
(Start: 1 @41432 has 30 MA's), (3, 41465), (4, 41468),

Gene: Sadboi_64 Start: 43623, Stop: 43784, Start Num: 1
Candidate Starts for Sadboi_64:
(Start: 1 @43623 has 30 MA's), (4, 43659),

Gene: Sampudon_63 Start: 43967, Stop: 44128, Start Num: 1
Candidate Starts for Sampudon_63:
(Start: 1 @43967 has 30 MA's), (4, 44003),

Gene: Wojtek_59 Start: 42007, Stop: 42168, Start Num: 1
Candidate Starts for Wojtek_59:
(Start: 1 @42007 has 30 MA's), (4, 42043),

Gene: Wrackline_75 Start: 40757, Stop: 40921, Start Num: 1
Candidate Starts for Wrackline_75:

(Start: 1 @40757 has 30 MA's), (4, 40793),

Gene: Xenia2_61 Start: 41323, Stop: 41484, Start Num: 1

Candidate Starts for Xenia2_61:

(Start: 1 @41323 has 30 MA's), (4, 41359),

Gene: Yikes_65 Start: 44061, Stop: 44222, Start Num: 1

Candidate Starts for Yikes_65:

(Start: 1 @44061 has 30 MA's), (4, 44097),

Gene: Zany_61 Start: 43470, Stop: 43631, Start Num: 1

Candidate Starts for Zany_61:

(Start: 1 @43470 has 30 MA's), (4, 43506),