



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 321936 Report

This analysis was run 09/05/26 on database version 662.

Pham number 321936 has 16 members, 0 are drafts.

Phages represented in each track:

- Track 1 : IsaacEli_60, Kikipoo_60, ThreeOh3D2_60, JacAttac_60, Brilliant_61, Vista_58, PallasAthena_59, MrPhizzler_61
- Track 2 : AltPhacts_58, Ricotta_58, Simielle_58, Orion_60, Lasso_59
- Track 3 : Mesh1_60
- Track 4 : Selr12_59
- Track 5 : Chuni_61

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

The start number called the most often in the published annotations is 5, it was called in 9 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Brilliant_61, Chuni_61, IsaacEli_60, JacAttac_60, Kikipoo_60, MrPhizzler_61, PallasAthena_59, ThreeOh3D2_60, Vista_58,

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

- AltPhacts_58, Lasso_59, Mesh1_60, Orion_60, Ricotta_58, Selr12_59, Simielle_58,

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

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Summary by start number:

Start 3:

- Found in 16 of 16 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 16
- Called 37.5% of time when present
- Phage (with cluster) where this start called: AltPhacts_58 (B1), Lasso_59 (B1), Mesh1_60 (B1), Orion_60 (B1), Ricotta_58 (B1), Simielle_58 (B1),

Start 4:

- Found in 16 of 16 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 16

- Called 6.2% of time when present
- Phage (with cluster) where this start called: Selr12_59 (B1),

Start 5:

- Found in 16 of 16 (100.0%) of genes in pham
- Manual Annotations of this start: 9 of 16
- Called 56.2% of time when present
- Phage (with cluster) where this start called: Brilliant_61 (B1), Chuni_61 (B1), IsaacEli_60 (B1), JacAttac_60 (B1), Kikipoo_60 (B1), MrPhizzler_61 (B1), PallasAthena_59 (B1), ThreeOh3D2_60 (B1), Vista_58 (B1),

Summary by clusters:

There is one cluster represented in this pham: B1

Info for manual annotations of cluster B1:

- Start number 3 was manually annotated 6 times for cluster B1.
- Start number 4 was manually annotated 1 time for cluster B1.
- Start number 5 was manually annotated 9 times for cluster B1.

Gene Information:

Gene: AltPhacts_58 Start: 51018, Stop: 51116, Start Num: 3

Candidate Starts for AltPhacts_58:

(Start: 3 @51018 has 6 MA's), (Start: 4 @51021 has 1 MA's), (Start: 5 @51024 has 9 MA's), (6, 51033), (7, 51081),

Gene: Brilliant_61 Start: 52011, Stop: 52103, Start Num: 5

Candidate Starts for Brilliant_61:

(Start: 3 @52005 has 6 MA's), (Start: 4 @52008 has 1 MA's), (Start: 5 @52011 has 9 MA's), (6, 52020), (7, 52068),

Gene: Chuni_61 Start: 52031, Stop: 52123, Start Num: 5

Candidate Starts for Chuni_61:

(1, 51989), (2, 52004), (Start: 3 @52025 has 6 MA's), (Start: 4 @52028 has 1 MA's), (Start: 5 @52031 has 9 MA's), (6, 52040), (7, 52088),

Gene: IsaacEli_60 Start: 52014, Stop: 52106, Start Num: 5

Candidate Starts for IsaacEli_60:

(Start: 3 @52008 has 6 MA's), (Start: 4 @52011 has 1 MA's), (Start: 5 @52014 has 9 MA's), (6, 52023), (7, 52071),

Gene: JacAttac_60 Start: 51435, Stop: 51527, Start Num: 5

Candidate Starts for JacAttac_60:

(Start: 3 @51429 has 6 MA's), (Start: 4 @51432 has 1 MA's), (Start: 5 @51435 has 9 MA's), (6, 51444), (7, 51492),

Gene: Kikipoo_60 Start: 52014, Stop: 52106, Start Num: 5

Candidate Starts for Kikipoo_60:

(Start: 3 @52008 has 6 MA's), (Start: 4 @52011 has 1 MA's), (Start: 5 @52014 has 9 MA's), (6, 52023), (7, 52071),

Gene: Lasso_59 Start: 51744, Stop: 51842, Start Num: 3

Candidate Starts for Lasso_59:

(Start: 3 @51744 has 6 MA's), (Start: 4 @51747 has 1 MA's), (Start: 5 @51750 has 9 MA's), (6, 51759), (7, 51807),

Gene: Mesh1_60 Start: 52015, Stop: 52113, Start Num: 3

Candidate Starts for Mesh1_60:

(1, 51979), (2, 51994), (Start: 3 @52015 has 6 MA's), (Start: 4 @52018 has 1 MA's), (Start: 5 @52021 has 9 MA's), (6, 52030), (7, 52078),

Gene: MrPhizzler_61 Start: 51957, Stop: 52049, Start Num: 5

Candidate Starts for MrPhizzler_61:

(Start: 3 @51951 has 6 MA's), (Start: 4 @51954 has 1 MA's), (Start: 5 @51957 has 9 MA's), (6, 51966), (7, 52014),

Gene: Orion_60 Start: 51436, Stop: 51534, Start Num: 3

Candidate Starts for Orion_60:

(Start: 3 @51436 has 6 MA's), (Start: 4 @51439 has 1 MA's), (Start: 5 @51442 has 9 MA's), (6, 51451), (7, 51499),

Gene: PallasAthena_59 Start: 51499, Stop: 51591, Start Num: 5

Candidate Starts for PallasAthena_59:

(Start: 3 @51493 has 6 MA's), (Start: 4 @51496 has 1 MA's), (Start: 5 @51499 has 9 MA's), (6, 51508), (7, 51556),

Gene: Ricotta_58 Start: 51462, Stop: 51560, Start Num: 3

Candidate Starts for Ricotta_58:

(Start: 3 @51462 has 6 MA's), (Start: 4 @51465 has 1 MA's), (Start: 5 @51468 has 9 MA's), (6, 51477), (7, 51525),

Gene: Selr12_59 Start: 51481, Stop: 51576, Start Num: 4

Candidate Starts for Selr12_59:

(Start: 3 @51478 has 6 MA's), (Start: 4 @51481 has 1 MA's), (Start: 5 @51484 has 9 MA's), (6, 51493), (7, 51541),

Gene: Simielle_58 Start: 51433, Stop: 51531, Start Num: 3

Candidate Starts for Simielle_58:

(Start: 3 @51433 has 6 MA's), (Start: 4 @51436 has 1 MA's), (Start: 5 @51439 has 9 MA's), (6, 51448), (7, 51496),

Gene: ThreeOh3D2_60 Start: 52008, Stop: 52100, Start Num: 5

Candidate Starts for ThreeOh3D2_60:

(Start: 3 @52002 has 6 MA's), (Start: 4 @52005 has 1 MA's), (Start: 5 @52008 has 9 MA's), (6, 52017), (7, 52065),

Gene: Vista_58 Start: 51504, Stop: 51596, Start Num: 5

Candidate Starts for Vista_58:

(Start: 3 @51498 has 6 MA's), (Start: 4 @51501 has 1 MA's), (Start: 5 @51504 has 9 MA's), (6, 51513), (7, 51561),