



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 5632 Report

This analysis was run 04/28/24 on database version 559.

Pham number 5632 has 17 members, 2 are drafts.

Phages represented in each track:

- Track 1 : WestPM_49
- Track 2 : Andromedas_57, ChikPic_57, Glamour_56, Zenitsu_57, Shamu_57, Finny_58, Saratos_57, MCubed_57, ColaCorta_57, Sansa_55, Eleri_57
- Track 3 : SirVictor_54
- Track 4 : BouleyBill_53
- Track 5 : Guetzie_54
- Track 6 : Koji_51
- Track 7 : Neferthena_29

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

The start number called the most often in the published annotations is 4, it was called in 14 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Andromedas_57, BouleyBill_53, ChikPic_57, ColaCorta_57, Eleri_57, Finny_58, Glamour_56, Koji_51, MCubed_57, Neferthena_29, Sansa_55, Saratos_57, Shamu_57, SirVictor_54, WestPM_49, Zenitsu_57,

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

- Guetzie_54,

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

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Summary by start number:

Start 2:

- Found in 2 of 17 (11.8%) of genes in pham
- Manual Annotations of this start: 1 of 15
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Guetzie_54 (EA4),

Start 4:

- Found in 17 of 17 (100.0%) of genes in pham
- Manual Annotations of this start: 14 of 15
- Called 94.1% of time when present
- Phage (with cluster) where this start called: Andromedas_57 (EA2), BouleyBill_53 (EA4), ChikPic_57 (EA2), ColaCorta_57 (EA2), Eleri_57 (EA2), Finny_58 (EA2), Glamour_56 (EA2), Koji_51 (EA4), MCubed_57 (EA2), Neferthena_29 (EA5), Sansa_55 (EA2), Saratos_57 (EA2), Shamu_57 (EA2), SirVictor_54 (EA4), WestPM_49 (EA11), Zenitsu_57 (EA2),

Summary by clusters:

There are 4 clusters represented in this pham: EA5, EA2, EA11, EA4,

Info for manual annotations of cluster EA2:

- Start number 4 was manually annotated 11 times for cluster EA2.

Info for manual annotations of cluster EA4:

- Start number 2 was manually annotated 1 time for cluster EA4.
- Start number 4 was manually annotated 2 times for cluster EA4.

Info for manual annotations of cluster EA5:

- Start number 4 was manually annotated 1 time for cluster EA5.

Gene Information:

Gene: Andromedas_57 Start: 38032, Stop: 37850, Start Num: 4

Candidate Starts for Andromedas_57:

(Start: 4 @38032 has 14 MA's),

Gene: BouleyBill_53 Start: 36359, Stop: 36174, Start Num: 4

Candidate Starts for BouleyBill_53:

(Start: 4 @36359 has 14 MA's), (6, 36275), (7, 36269),

Gene: ChikPic_57 Start: 37841, Stop: 37659, Start Num: 4

Candidate Starts for ChikPic_57:

(Start: 4 @37841 has 14 MA's),

Gene: ColaCorta_57 Start: 38032, Stop: 37850, Start Num: 4

Candidate Starts for ColaCorta_57:

(Start: 4 @38032 has 14 MA's),

Gene: Eleri_57 Start: 37877, Stop: 37695, Start Num: 4

Candidate Starts for Eleri_57:

(Start: 4 @37877 has 14 MA's),

Gene: Finny_58 Start: 37825, Stop: 37643, Start Num: 4

Candidate Starts for Finny_58:

(Start: 4 @37825 has 14 MA's),

Gene: Glamour_56 Start: 37735, Stop: 37553, Start Num: 4

Candidate Starts for Glamour_56:

(Start: 4 @37735 has 14 MA's),

Gene: Guetzie_54 Start: 36940, Stop: 36728, Start Num: 2

Candidate Starts for Guetzie_54:

(Start: 2 @36940 has 1 MA's), (Start: 4 @36913 has 14 MA's), (6, 36829),

Gene: Koji_51 Start: 36540, Stop: 36355, Start Num: 4

Candidate Starts for Koji_51:

(Start: 4 @36540 has 14 MA's), (6, 36456),

Gene: MCubed_57 Start: 37893, Stop: 37711, Start Num: 4

Candidate Starts for MCubed_57:

(Start: 4 @37893 has 14 MA's),

Gene: Neferthena_29 Start: 21611, Stop: 21423, Start Num: 4

Candidate Starts for Neferthena_29:

(1, 21653), (3, 21635), (Start: 4 @21611 has 14 MA's), (5, 21587),

Gene: Sansa_55 Start: 37817, Stop: 37635, Start Num: 4

Candidate Starts for Sansa_55:

(Start: 4 @37817 has 14 MA's),

Gene: Saratos_57 Start: 37861, Stop: 37679, Start Num: 4

Candidate Starts for Saratos_57:

(Start: 4 @37861 has 14 MA's),

Gene: Shamu_57 Start: 37750, Stop: 37568, Start Num: 4

Candidate Starts for Shamu_57:

(Start: 4 @37750 has 14 MA's),

Gene: SirVictor_54 Start: 36913, Stop: 36728, Start Num: 4

Candidate Starts for SirVictor_54:

(Start: 2 @36940 has 1 MA's), (Start: 4 @36913 has 14 MA's), (6, 36829),

Gene: WestPM_49 Start: 35240, Stop: 35052, Start Num: 4

Candidate Starts for WestPM_49:

(Start: 4 @35240 has 14 MA's), (8, 35141),

Gene: Zenitsu_57 Start: 37898, Stop: 37716, Start Num: 4

Candidate Starts for Zenitsu_57:

(Start: 4 @37898 has 14 MA's),