

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 297213 Report

This analysis was run 04/25/26 on database version 644.

Pham number 297213 has 10 members, 2 are drafts.

Phages represented in each track:

- Track 1 : BeeGee_67, JCole_55, Yeet412_56
- Track 2 : Hyzer_70
- Track 3 : AlumE_63, BoyNamedSue_63
- Track 4 : BaxterFox_63
- Track 5 : Bowser_52
- Track 6 : Eyes_51
- Track 7 : Nyceirae_3

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 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AlumE_63, BaxterFox_63, BeeGee_67, Bowser_52, BoyNamedSue_63, Eyes_51, Hyzer_70, JCole_55, Nyceirae_3, Yeet412_56,

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 10 of 10 (100.0%) of genes in pham
- Manual Annotations of this start: 8 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AlumE_63 (CZ1), BaxterFox_63 (CZ3), BeeGee_67 (CY5), Bowser_52 (DB), BoyNamedSue_63 (CZ1), Eyes_51 (DB), Hyzer_70 (CZ1), JCole_55 (CZ2), Nyceirae_3 (DT), Yeet412_56 (CZ2),

Summary by clusters:

There are 6 clusters represented in this pham: CY5, CZ2, CZ3, CZ1, DB, DT,

Info for manual annotations of cluster CY5:

- Start number 2 was manually annotated 1 time for cluster CY5.

Info for manual annotations of cluster CZ1:

- Start number 2 was manually annotated 2 times for cluster CZ1.

Info for manual annotations of cluster CZ2:

- Start number 2 was manually annotated 1 time for cluster CZ2.

Info for manual annotations of cluster CZ3:

- Start number 2 was manually annotated 1 time for cluster CZ3.

Info for manual annotations of cluster DB:

- Start number 2 was manually annotated 2 times for cluster DB.

Info for manual annotations of cluster DT:

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

Gene Information:

Gene: AlumE_63 Start: 43761, Stop: 44207, Start Num: 2

Candidate Starts for AlumE_63:

(Start: 2 @43761 has 8 MA's), (3, 43773), (4, 43830), (6, 43893), (7, 43899), (9, 44019), (10, 44046), (11, 44079),

Gene: BaxterFox_63 Start: 43693, Stop: 44139, Start Num: 2

Candidate Starts for BaxterFox_63:

(Start: 2 @43693 has 8 MA's), (3, 43705), (4, 43762), (6, 43825), (9, 43951), (10, 43978), (11, 44011),

Gene: BeeGee_67 Start: 43650, Stop: 44045, Start Num: 2

Candidate Starts for BeeGee_67:

(Start: 2 @43650 has 8 MA's), (3, 43662), (9, 43860), (10, 43887), (11, 43920), (12, 43953),

Gene: Bowser_52 Start: 37812, Stop: 38210, Start Num: 2

Candidate Starts for Bowser_52:

(Start: 2 @37812 has 8 MA's), (5, 37914), (8, 37974), (9, 38022), (11, 38082),

Gene: BoyNamedSue_63 Start: 43761, Stop: 44207, Start Num: 2

Candidate Starts for BoyNamedSue_63:

(Start: 2 @43761 has 8 MA's), (3, 43773), (4, 43830), (6, 43893), (7, 43899), (9, 44019), (10, 44046), (11, 44079),

Gene: Eyes_51 Start: 37775, Stop: 38227, Start Num: 2

Candidate Starts for Eyes_51:

(Start: 2 @37775 has 8 MA's), (3, 37787), (6, 37907), (9, 38033), (10, 38060), (11, 38093),

Gene: Hyzer_70 Start: 46534, Stop: 46980, Start Num: 2

Candidate Starts for Hyzer_70:

(1, 46522), (Start: 2 @46534 has 8 MA's), (3, 46546), (6, 46666), (9, 46792), (10, 46819),

Gene: JCole_55 Start: 36521, Stop: 36916, Start Num: 2

Candidate Starts for JCole_55:

(Start: 2 @36521 has 8 MA's), (3, 36533), (9, 36731), (10, 36758), (11, 36791), (12, 36824),

Gene: Nyceirae_3 Start: 430, Stop: 828, Start Num: 2

Candidate Starts for Nyceirae_3:

(Start: 2 @430 has 8 MA's), (3, 442), (9, 640), (10, 667), (12, 733), (13, 787),

Gene: Yeet412_56 Start: 38738, Stop: 39133, Start Num: 2

Candidate Starts for Yeet412_56:

(Start: 2 @38738 has 8 MA's), (3, 38750), (9, 38948), (10, 38975), (11, 39008), (12, 39041),