



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 216783 Report

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

Pham number 216783 has 10 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Valary_77, CoveyB_77, KimmyK_76, Halo3_74, Gezellig_76, Savbucketdawg_72, Wizard_73
- Track 2 : CherryCola_77
- Track 3 : Egi03_76
- Track 4 : TillyBobJoe_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 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- CoveyB_77, Egi03_76, Gezellig_76, Halo3_74, KimmyK_76, Savbucketdawg_72, TillyBobJoe_75, Valary_77, Wizard_73,

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

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

- CherryCola_77,

Summary by start number:

Start 1:

- Found in 9 of 10 (90.0%) of genes in pham
- Manual Annotations of this start: 6 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CoveyB_77 (DC1), Egi03_76 (DC1), Gezellig_76 (DC1), Halo3_74 (DC1), KimmyK_76 (DC1), Savbucketdawg_72 (DC1), TillyBobJoe_75 (DC1), Valary_77 (DC1), Wizard_73 (DC1),

Start 2:

- Found in 10 of 10 (100.0%) of genes in pham
- No Manual Annotations of this start.

- Called 10.0% of time when present
- Phage (with cluster) where this start called: CherryCola_77 (DC1),

Summary by clusters:

There is one cluster represented in this pham: DC1

Info for manual annotations of cluster DC1:

- Start number 1 was manually annotated 6 times for cluster DC1.

Gene Information:

Gene: CherryCola_77 Start: 51907, Stop: 52473, Start Num: 2

Candidate Starts for CherryCola_77:

(2, 51907), (3, 51916), (4, 52150), (5, 52174), (6, 52228), (7, 52276), (8, 52348), (9, 52360), (10, 52462),

Gene: CoveyB_77 Start: 51267, Stop: 51965, Start Num: 1

Candidate Starts for CoveyB_77:

(Start: 1 @51267 has 6 MA's), (2, 51399), (3, 51408), (4, 51642), (5, 51666), (6, 51720), (7, 51768), (8, 51840), (9, 51852), (10, 51954),

Gene: Egi03_76 Start: 50827, Stop: 51525, Start Num: 1

Candidate Starts for Egi03_76:

(Start: 1 @50827 has 6 MA's), (2, 50959), (3, 50968), (4, 51202), (5, 51226), (6, 51280), (7, 51328), (8, 51400), (9, 51412),

Gene: Gezellig_76 Start: 51020, Stop: 51718, Start Num: 1

Candidate Starts for Gezellig_76:

(Start: 1 @51020 has 6 MA's), (2, 51152), (3, 51161), (4, 51395), (5, 51419), (6, 51473), (7, 51521), (8, 51593), (9, 51605), (10, 51707),

Gene: Halo3_74 Start: 51605, Stop: 52303, Start Num: 1

Candidate Starts for Halo3_74:

(Start: 1 @51605 has 6 MA's), (2, 51737), (3, 51746), (4, 51980), (5, 52004), (6, 52058), (7, 52106), (8, 52178), (9, 52190), (10, 52292),

Gene: KimmyK_76 Start: 51467, Stop: 52165, Start Num: 1

Candidate Starts for KimmyK_76:

(Start: 1 @51467 has 6 MA's), (2, 51599), (3, 51608), (4, 51842), (5, 51866), (6, 51920), (7, 51968), (8, 52040), (9, 52052), (10, 52154),

Gene: Savbucketdawg_72 Start: 50582, Stop: 51280, Start Num: 1

Candidate Starts for Savbucketdawg_72:

(Start: 1 @50582 has 6 MA's), (2, 50714), (3, 50723), (4, 50957), (5, 50981), (6, 51035), (7, 51083), (8, 51155), (9, 51167), (10, 51269),

Gene: TillyBobJoe_75 Start: 51196, Stop: 51894, Start Num: 1

Candidate Starts for TillyBobJoe_75:

(Start: 1 @51196 has 6 MA's), (2, 51328), (3, 51337), (4, 51571), (5, 51595), (6, 51649), (7, 51697), (8, 51769), (9, 51781),

Gene: Valary_77 Start: 51842, Stop: 52540, Start Num: 1

Candidate Starts for Valary_77:

(Start: 1 @51842 has 6 MA's), (2, 51974), (3, 51983), (4, 52217), (5, 52241), (6, 52295), (7, 52343), (8, 52415), (9, 52427), (10, 52529),

Gene: Wizard_73 Start: 51020, Stop: 51718, Start Num: 1

Candidate Starts for Wizard_73:

(Start: 1 @51020 has 6 MA's), (2, 51152), (3, 51161), (4, 51395), (5, 51419), (6, 51473), (7, 51521), (8, 51593), (9, 51605), (10, 51707),