



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 190314 Report

This analysis was run 11/02/24 on database version 579.

Pham number 190314 has 10 members, 1 are drafts.

Phages represented in each track:

- Track 1 : KimmyK_66
- Track 2 : PinkCoffee_67
- Track 3 : Halo3_64, Fireball_68, Wizard_63, TillyBobJoe_65, Portcullis_67
- Track 4 : Gezellig_66
- Track 5 : Savbucketdawg_64, Jambalaya_64

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 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Fireball_68, Halo3_64, Jambalaya_64, KimmyK_66, PinkCoffee_67, Portcullis_67, Savbucketdawg_64, TillyBobJoe_65, Wizard_63,

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

- Gezellig_66,

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

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Summary by start number:

Start 2:

- Found in 10 of 10 (100.0%) of genes in pham
- Manual Annotations of this start: 9 of 9
- Called 90.0% of time when present
- Phage (with cluster) where this start called: Fireball_68 (DC1), Halo3_64 (DC1), Jambalaya_64 (DC1), KimmyK_66 (DC1), PinkCoffee_67 (DC1), Portcullis_67 (DC1), Savbucketdawg_64 (DC1), TillyBobJoe_65 (DC1), Wizard_63 (DC1),

Start 3:

- 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: Gezellig_66 (DC1),

Summary by clusters:

There is one cluster represented in this pham: DC1

Info for manual annotations of cluster DC1:

- Start number 2 was manually annotated 9 times for cluster DC1.

Gene Information:

Gene: Fireball_68 Start: 48509, Stop: 49072, Start Num: 2

Candidate Starts for Fireball_68:

(1, 48440), (Start: 2 @48509 has 9 MA's), (3, 48524), (4, 48527), (8, 48731), (9, 48737), (10, 48914), (13, 49031),

Gene: Gezellig_66 Start: 48118, Stop: 48666, Start Num: 3

Candidate Starts for Gezellig_66:

(1, 48034), (Start: 2 @48103 has 9 MA's), (3, 48118), (4, 48121), (8, 48325), (9, 48331), (10, 48508), (13, 48625),

Gene: Halo3_64 Start: 48688, Stop: 49251, Start Num: 2

Candidate Starts for Halo3_64:

(1, 48619), (Start: 2 @48688 has 9 MA's), (3, 48703), (4, 48706), (8, 48910), (9, 48916), (10, 49093), (13, 49210),

Gene: Jambalaya_64 Start: 47983, Stop: 48564, Start Num: 2

Candidate Starts for Jambalaya_64:

(1, 47914), (Start: 2 @47983 has 9 MA's), (3, 47998), (4, 48001), (7, 48160), (10, 48406), (11, 48460), (13, 48523),

Gene: KimmyK_66 Start: 48550, Stop: 49113, Start Num: 2

Candidate Starts for KimmyK_66:

(1, 48484), (Start: 2 @48550 has 9 MA's), (3, 48565), (4, 48568), (8, 48772), (10, 48955), (13, 49072),

Gene: PinkCoffee_67 Start: 48119, Stop: 48727, Start Num: 2

Candidate Starts for PinkCoffee_67:

(1, 48050), (Start: 2 @48119 has 9 MA's), (3, 48134), (4, 48137), (5, 48200), (6, 48227), (9, 48347), (10, 48557), (12, 48650), (14, 48701), (15, 48710),

Gene: Portcullis_67 Start: 48240, Stop: 48803, Start Num: 2

Candidate Starts for Portcullis_67:

(1, 48171), (Start: 2 @48240 has 9 MA's), (3, 48255), (4, 48258), (8, 48462), (9, 48468), (10, 48645), (13, 48762),

Gene: Savbucketdawg_64 Start: 47983, Stop: 48564, Start Num: 2

Candidate Starts for Savbucketdawg_64:

(1, 47914), (Start: 2 @47983 has 9 MA's), (3, 47998), (4, 48001), (7, 48160), (10, 48406), (11, 48460), (13, 48523),

Gene: TillyBobJoe_65 Start: 48109, Stop: 48672, Start Num: 2

Candidate Starts for TillyBobJoe_65:

(1, 48040), (Start: 2 @48109 has 9 MA's), (3, 48124), (4, 48127), (8, 48331), (9, 48337), (10, 48514), (13, 48631),

Gene: Wizard_63 Start: 48103, Stop: 48666, Start Num: 2

Candidate Starts for Wizard_63:

(1, 48034), (Start: 2 @48103 has 9 MA's), (3, 48118), (4, 48121), (8, 48325), (9, 48331), (10, 48508), (13, 48625),