



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 106727 Report

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

Pham number 106727 has 13 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Brent_72
- Track 2 : Jawnski_71
- Track 3 : Piccoletto_72
- Track 4 : NathanVaag_71
- Track 5 : Grekaycon_78, Martha_77, TaeYoung_78, BossLady_79
- Track 6 : StevieBAY_76, LeeroyJ_76, Timinator_76, BarretLemon_75, GravityBall_75

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 6 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BarretLemon_75, Brent_72, GravityBall_75, LeeroyJ_76, NathanVaag_71, StevieBAY_76, Timinator_76,

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

- Jawnski_71, Piccoletto_72,

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

- BossLady_79, Grekaycon_78, Martha_77, TaeYoung_78,

Summary by start number:

Start 3:

- Found in 4 of 13 (30.8%) of genes in pham
- Manual Annotations of this start: 2 of 12
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Jawnski_71 (AO1), Piccoletto_72 (AO1),

Start 4:

- Found in 4 of 13 (30.8%) of genes in pham
- Manual Annotations of this start: 4 of 12

- Called 100.0% of time when present
- Phage (with cluster) where this start called: BossLady_79 (AO2), Grekaycon_78 (AO2), Martha_77 (AO2), TaeYoung_78 (AO2),

Start 5:

- Found in 9 of 13 (69.2%) of genes in pham
- Manual Annotations of this start: 6 of 12
- Called 77.8% of time when present
- Phage (with cluster) where this start called: BarretLemon_75 (AO2), Brent_72 (AO1), GravityBall_75 (AO2), LeeroyJ_76 (AO2), NathanVaag_71 (AO1), StevieBAY_76 (AO2), Timinator_76 (AO2),

Summary by clusters:

There are 2 clusters represented in this pham: AO2, AO1,

Info for manual annotations of cluster AO1:

- Start number 3 was manually annotated 2 times for cluster AO1.
- Start number 5 was manually annotated 2 times for cluster AO1.

Info for manual annotations of cluster AO2:

- Start number 4 was manually annotated 4 times for cluster AO2.
- Start number 5 was manually annotated 4 times for cluster AO2.

Gene Information:

Gene: BarretLemon_75 Start: 48844, Stop: 48629, Start Num: 5

Candidate Starts for BarretLemon_75:

(Start: 5 @48844 has 6 MA's), (7, 48775), (8, 48670),

Gene: BossLady_79 Start: 51006, Stop: 50794, Start Num: 4

Candidate Starts for BossLady_79:

(Start: 4 @51006 has 4 MA's), (7, 50937),

Gene: Brent_72 Start: 48356, Stop: 48141, Start Num: 5

Candidate Starts for Brent_72:

(Start: 3 @48386 has 2 MA's), (Start: 5 @48356 has 6 MA's), (6, 48311), (7, 48287),

Gene: GravityBall_75 Start: 49043, Stop: 48828, Start Num: 5

Candidate Starts for GravityBall_75:

(Start: 5 @49043 has 6 MA's), (7, 48974), (8, 48869),

Gene: Grekaycon_78 Start: 50919, Stop: 50707, Start Num: 4

Candidate Starts for Grekaycon_78:

(Start: 4 @50919 has 4 MA's), (7, 50850),

Gene: Jawnski_71 Start: 47924, Stop: 47682, Start Num: 3

Candidate Starts for Jawnski_71:

(1, 47987), (2, 47951), (Start: 3 @47924 has 2 MA's), (Start: 5 @47894 has 6 MA's),

Gene: LeeroyJ_76 Start: 48969, Stop: 48754, Start Num: 5

Candidate Starts for LeeroyJ_76:
(Start: 5 @48969 has 6 MA's), (7, 48900), (8, 48795),

Gene: Martha_77 Start: 50855, Stop: 50643, Start Num: 4
Candidate Starts for Martha_77:
(Start: 4 @50855 has 4 MA's), (7, 50786),

Gene: NathanVaag_71 Start: 48120, Stop: 47905, Start Num: 5
Candidate Starts for NathanVaag_71:
(Start: 3 @48150 has 2 MA's), (Start: 5 @48120 has 6 MA's), (6, 48075), (7, 48051),

Gene: Piccoletto_72 Start: 48312, Stop: 48067, Start Num: 3
Candidate Starts for Piccoletto_72:
(Start: 3 @48312 has 2 MA's), (Start: 5 @48282 has 6 MA's), (6, 48237), (7, 48213),

Gene: StevieBAY_76 Start: 49262, Stop: 49047, Start Num: 5
Candidate Starts for StevieBAY_76:
(Start: 5 @49262 has 6 MA's), (7, 49193), (8, 49088),

Gene: TaeYoung_78 Start: 50827, Stop: 50615, Start Num: 4
Candidate Starts for TaeYoung_78:
(Start: 4 @50827 has 4 MA's), (7, 50758),

Gene: Timinator_76 Start: 49082, Stop: 48867, Start Num: 5
Candidate Starts for Timinator_76:
(Start: 5 @49082 has 6 MA's), (7, 49013), (8, 48908),