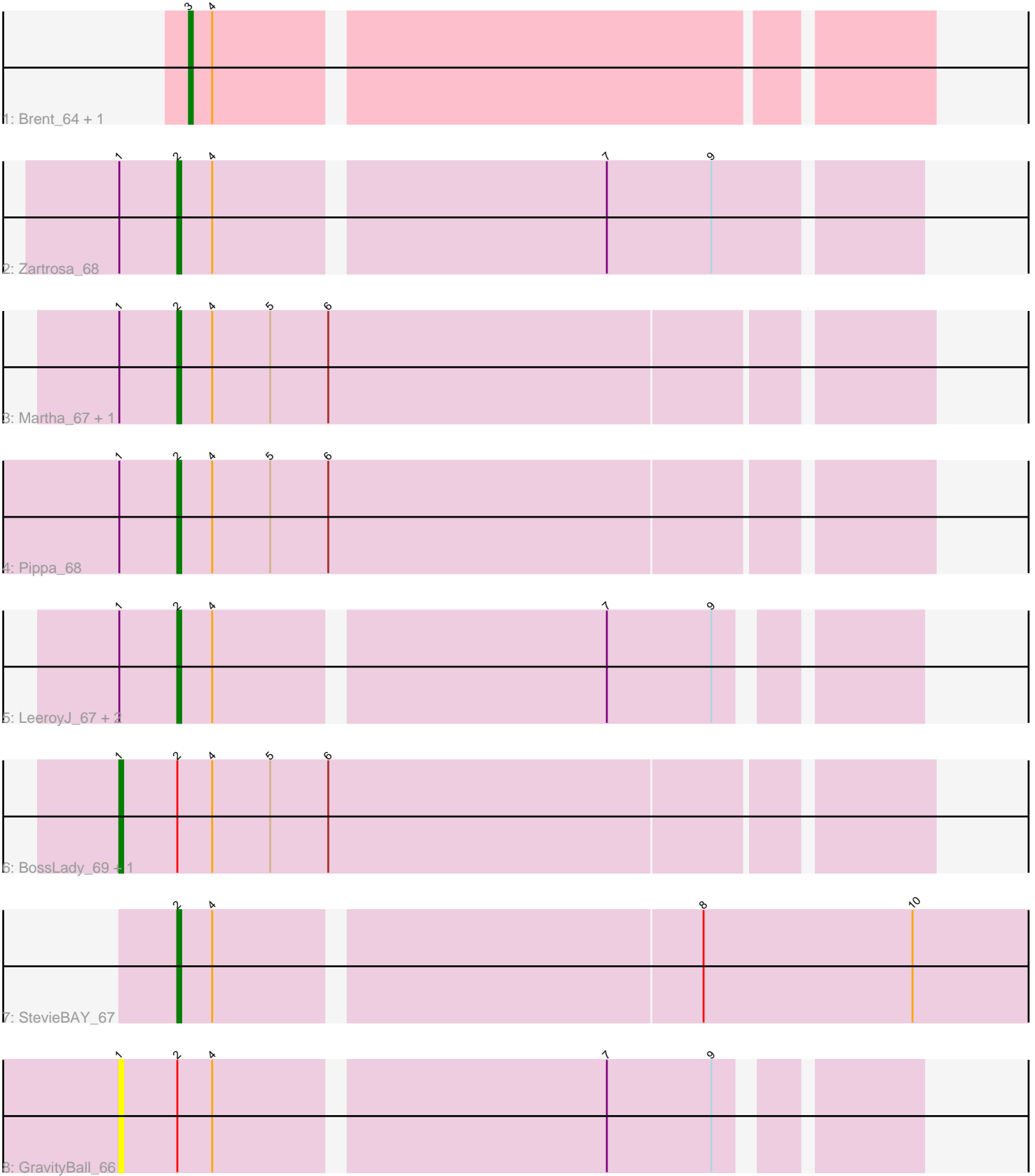


Pham 106722



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 106722 Report

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

Pham number 106722 has 13 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Brent_64, Jawnski_63
- Track 2 : Zartrosa_68
- Track 3 : Martha_67, TaeYoung_68
- Track 4 : Pippa_68
- Track 5 : LeeroyJ_67, Timinator_67, BarretLemon_66
- Track 6 : BossLady_69, Grekaycon_68
- Track 7 : StevieBAY_67
- Track 8 : GravityBall_66

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 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BarretLemon_66, LeeroyJ_67, Martha_67, Pippa_68, StevieBAY_67, TaeYoung_68, Timinator_67, Zartrosa_68,

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

- BossLady_69, GravityBall_66, Grekaycon_68,

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

- Brent_64, Jawnski_63,

Summary by start number:

Start 1:

- Found in 10 of 13 (76.9%) of genes in pham
- Manual Annotations of this start: 2 of 12
- Called 30.0% of time when present
- Phage (with cluster) where this start called: BossLady_69 (AO2), GravityBall_66 (AO2), Grekaycon_68 (AO2),

Start 2:

- Found in 11 of 13 (84.6%) of genes in pham
- Manual Annotations of this start: 8 of 12
- Called 72.7% of time when present
- Phage (with cluster) where this start called: BarretLemon_66 (AO2), LeeroyJ_67 (AO2), Martha_67 (AO2), Pippa_68 (AO2), StevieBAY_67 (AO2), TaeYoung_68 (AO2), Timinator_67 (AO2), Zartrosa_68 (AO2),

Start 3:

- Found in 2 of 13 (15.4%) of genes in pham
- Manual Annotations of this start: 2 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Brent_64 (AO1), Jawnski_63 (AO1),

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.

Info for manual annotations of cluster AO2:

- Start number 1 was manually annotated 2 times for cluster AO2.
- Start number 2 was manually annotated 8 times for cluster AO2.

Gene Information:

Gene: BarretLemon_66 Start: 43462, Stop: 43638, Start Num: 2

Candidate Starts for BarretLemon_66:

(Start: 1 @43447 has 2 MA's), (Start: 2 @43462 has 8 MA's), (4, 43471), (7, 43567), (9, 43594),

Gene: BossLady_69 Start: 44247, Stop: 44450, Start Num: 1

Candidate Starts for BossLady_69:

(Start: 1 @44247 has 2 MA's), (Start: 2 @44262 has 8 MA's), (4, 44271), (5, 44286), (6, 44301),

Gene: Brent_64 Start: 43649, Stop: 43828, Start Num: 3

Candidate Starts for Brent_64:

(Start: 3 @43649 has 2 MA's), (4, 43655),

Gene: GravityBall_66 Start: 43747, Stop: 43938, Start Num: 1

Candidate Starts for GravityBall_66:

(Start: 1 @43747 has 2 MA's), (Start: 2 @43762 has 8 MA's), (4, 43771), (7, 43867), (9, 43894),

Gene: Grekaycon_68 Start: 44160, Stop: 44363, Start Num: 1

Candidate Starts for Grekaycon_68:

(Start: 1 @44160 has 2 MA's), (Start: 2 @44175 has 8 MA's), (4, 44184), (5, 44199), (6, 44214),

Gene: Jawnski_63 Start: 43174, Stop: 43353, Start Num: 3

Candidate Starts for Jawnski_63:

(Start: 3 @43174 has 2 MA's), (4, 43180),

Gene: LeeroyJ_67 Start: 43691, Stop: 43867, Start Num: 2

Candidate Starts for LeeroyJ_67:

(Start: 1 @43676 has 2 MA's), (Start: 2 @43691 has 8 MA's), (4, 43700), (7, 43796), (9, 43823),

Gene: Martha_67 Start: 44110, Stop: 44298, Start Num: 2

Candidate Starts for Martha_67:

(Start: 1 @44095 has 2 MA's), (Start: 2 @44110 has 8 MA's), (4, 44119), (5, 44134), (6, 44149),

Gene: Pippa_68 Start: 44146, Stop: 44334, Start Num: 2

Candidate Starts for Pippa_68:

(Start: 1 @44131 has 2 MA's), (Start: 2 @44146 has 8 MA's), (4, 44155), (5, 44170), (6, 44185),

Gene: StevieBAY_67 Start: 43939, Stop: 44160, Start Num: 2

Candidate Starts for StevieBAY_67:

(Start: 2 @43939 has 8 MA's), (4, 43948), (8, 44068), (10, 44122),

Gene: TaeYoung_68 Start: 44083, Stop: 44271, Start Num: 2

Candidate Starts for TaeYoung_68:

(Start: 1 @44068 has 2 MA's), (Start: 2 @44083 has 8 MA's), (4, 44092), (5, 44107), (6, 44122),

Gene: Timinator_67 Start: 43804, Stop: 43980, Start Num: 2

Candidate Starts for Timinator_67:

(Start: 1 @43789 has 2 MA's), (Start: 2 @43804 has 8 MA's), (4, 43813), (7, 43909), (9, 43936),

Gene: Zartrosa_68 Start: 43960, Stop: 44142, Start Num: 2

Candidate Starts for Zartrosa_68:

(Start: 1 @43945 has 2 MA's), (Start: 2 @43960 has 8 MA's), (4, 43969), (7, 44065), (9, 44092),