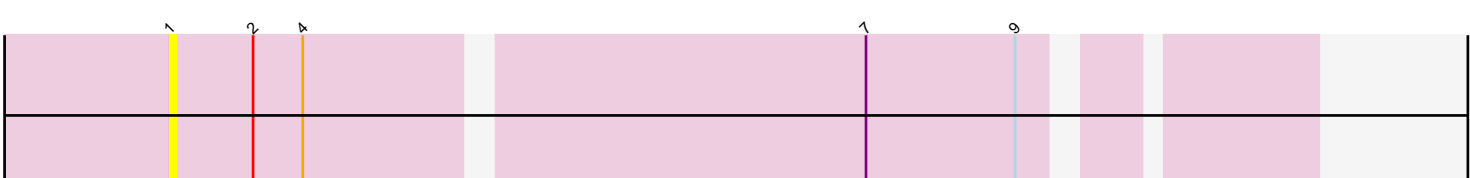
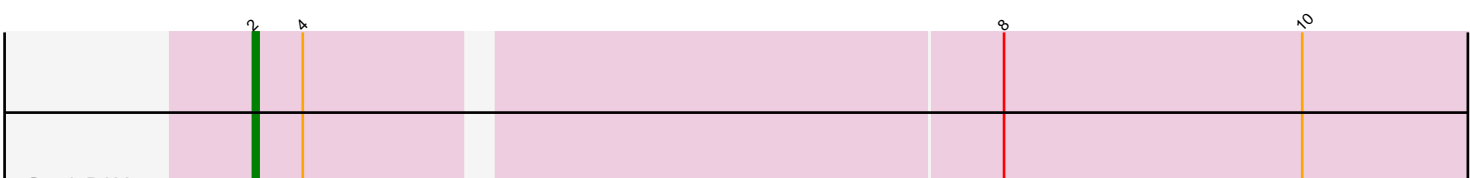


Pham 106722



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 04/05/24 on database version 557.

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),