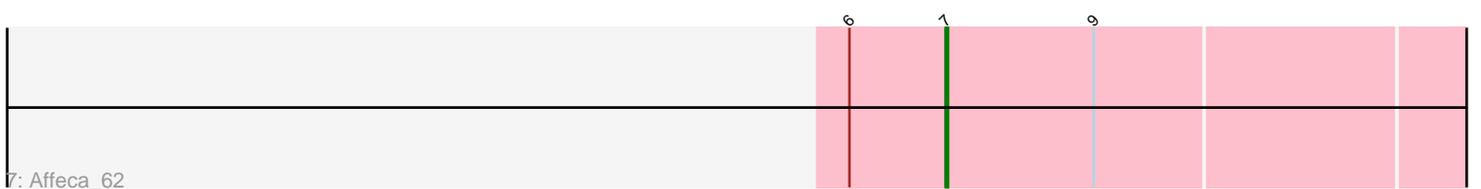
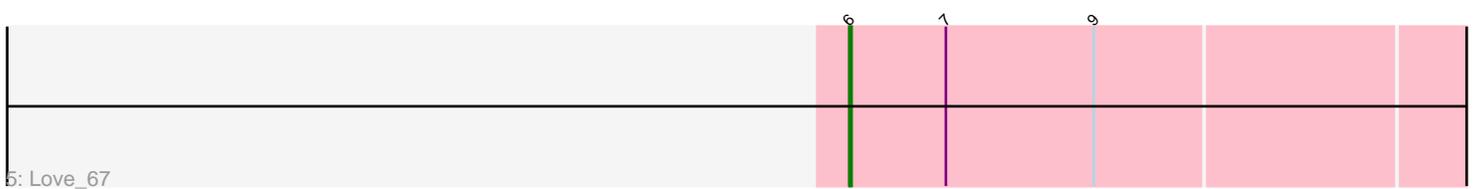
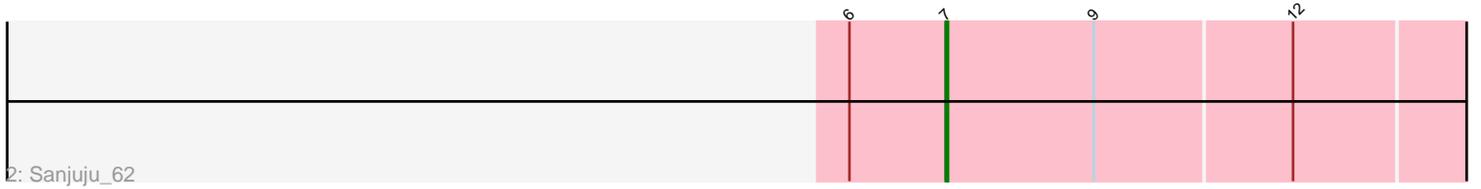


Pham 225157



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 225157 Report

This analysis was run 03/28/25 on database version 593.

Pham number 225157 has 8 members, 2 are drafts.

Phages represented in each track:

- Track 1 : SchottB_61
- Track 2 : Sanjuju_62
- Track 3 : Gustavo_64
- Track 4 : Gaea_64
- Track 5 : Love_67
- Track 6 : Saronaya_64
- Track 7 : Affeca_62
- Track 8 : Ashertheman_64

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 6, it was called in 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ashertheman_64, Gaea_64, Love_67, SchottB_61,

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

- Affeca_62, Gustavo_64, Sanjuju_62, Saronaya_64,

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

-

Summary by start number:

Start 5:

- Found in 3 of 8 (37.5%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Saronaya_64 (DE1),

Start 6:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 4 of 6

- Called 50.0% of time when present
- Phage (with cluster) where this start called: Ashertheman_64 (DE1), Gaea_64 (DE1), Love_67 (DE1), SchottB_61 (DE1),

Start 7:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 6
- Called 37.5% of time when present
- Phage (with cluster) where this start called: Affeca_62 (DE1), Gustavo_64 (DE1), Sanjuju_62 (DE1),

Summary by clusters:

There is one cluster represented in this pham: DE1

Info for manual annotations of cluster DE1:

- Start number 6 was manually annotated 4 times for cluster DE1.
- Start number 7 was manually annotated 2 times for cluster DE1.

Gene Information:

Gene: Affeca_62 Start: 50082, Stop: 50321, Start Num: 7

Candidate Starts for Affeca_62:

(Start: 6 @50037 has 4 MA's), (Start: 7 @50082 has 2 MA's), (9, 50151),

Gene: Ashertheman_64 Start: 49167, Stop: 49451, Start Num: 6

Candidate Starts for Ashertheman_64:

(Start: 6 @49167 has 4 MA's), (Start: 7 @49212 has 2 MA's), (9, 49281), (11, 49356), (13, 49395), (14, 49404), (15, 49422),

Gene: Gaea_64 Start: 48940, Stop: 49224, Start Num: 6

Candidate Starts for Gaea_64:

(Start: 6 @48940 has 4 MA's), (Start: 7 @48985 has 2 MA's), (8, 49030), (10, 49108), (12, 49147),

Gene: Gustavo_64 Start: 49658, Stop: 49897, Start Num: 7

Candidate Starts for Gustavo_64:

(1, 49250), (2, 49331), (3, 49400), (4, 49454), (5, 49595), (Start: 6 @49613 has 4 MA's), (Start: 7 @49658 has 2 MA's), (8, 49703), (10, 49781), (12, 49820),

Gene: Love_67 Start: 50477, Stop: 50761, Start Num: 6

Candidate Starts for Love_67:

(Start: 6 @50477 has 4 MA's), (Start: 7 @50522 has 2 MA's), (9, 50591),

Gene: Sanjuju_62 Start: 50536, Stop: 50775, Start Num: 7

Candidate Starts for Sanjuju_62:

(Start: 6 @50491 has 4 MA's), (Start: 7 @50536 has 2 MA's), (9, 50605), (12, 50695),

Gene: Saronaya_64 Start: 49595, Stop: 49897, Start Num: 5

Candidate Starts for Saronaya_64:

(1, 49250), (2, 49331), (3, 49400), (4, 49454), (5, 49595), (Start: 6 @49613 has 4 MA's), (Start: 7 @49658 has 2 MA's), (8, 49703), (10, 49781), (12, 49820),

Gene: SchottB_61 Start: 49523, Stop: 49807, Start Num: 6

Candidate Starts for SchottB_61:

(1, 49160), (2, 49241), (3, 49310), (5, 49505), (Start: 6 @49523 has 4 MA's), (Start: 7 @49568 has 2 MA's), (8, 49613), (10, 49691), (12, 49730),