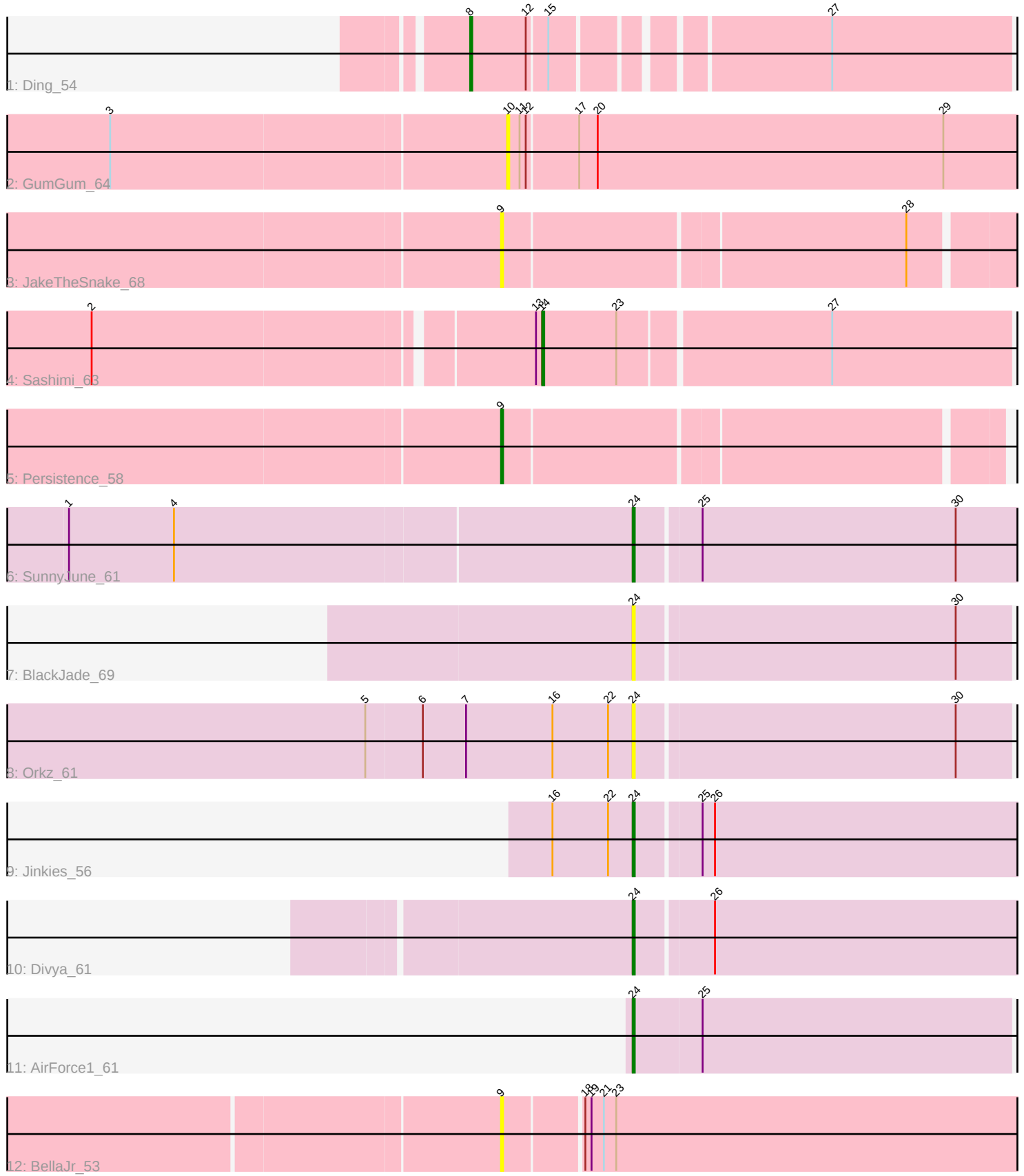


Pham 309652



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 309652 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309652 has 12 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Ding_54
- Track 2 : GumGum_64
- Track 3 : JakeTheSnake_68
- Track 4 : Sashimi_63
- Track 5 : Persistence_58
- Track 6 : SunnyJune_61
- Track 7 : BlackJade_69
- Track 8 : Orkz_61
- Track 9 : Jinkies_56
- Track 10 : Divya_61
- Track 11 : AirForce1_61
- Track 12 : BellaJr_53

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

The start number called the most often in the published annotations is 24, it was called in 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AirForce1_61, BlackJade_69, Divya_61, Jinkies_56, Orkz_61, SunnyJune_61,

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

-

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

- BellaJr_53, Ding_54, GumGum_64, JakeTheSnake_68, Persistence_58, Sashimi_63,

Summary by start number:

Start 8:

- Found in 1 of 12 (8.3%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Ding_54 (AY),

Start 9:

- Found in 3 of 12 (25.0%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BellaJr_53 (FN), JakeTheSnake_68 (AY), Persistence_58 (AY),

Start 10:

- Found in 1 of 12 (8.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GumGum_64 (AY),

Start 14:

- Found in 1 of 12 (8.3%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sashimi_63 (AY),

Start 24:

- Found in 6 of 12 (50.0%) of genes in pham
- Manual Annotations of this start: 4 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AirForce1_61 (FL), BlackJade_69 (FL), Divya_61 (FL), Jinkies_56 (FL), Orkz_61 (FL), SunnyJune_61 (FL),

Summary by clusters:

There are 3 clusters represented in this pham: AY, FL, FN,

Info for manual annotations of cluster AY:

- Start number 8 was manually annotated 1 time for cluster AY.
- Start number 9 was manually annotated 1 time for cluster AY.
- Start number 14 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster FL:

- Start number 24 was manually annotated 4 times for cluster FL.

Gene Information:

Gene: AirForce1_61 Start: 39402, Stop: 39593, Start Num: 24

Candidate Starts for AirForce1_61:

(Start: 24 @39402 has 4 MA's), (25, 39435),

Gene: BellaJr_53 Start: 32613, Stop: 32864, Start Num: 9

Candidate Starts for BellaJr_53:

(Start: 9 @32613 has 1 MA's), (18, 32649), (19, 32652), (21, 32658), (23, 32664),

Gene: BlackJade_69 Start: 40315, Stop: 40503, Start Num: 24

Candidate Starts for BlackJade_69:

(Start: 24 @40315 has 4 MA's), (30, 40468),

Gene: Ding_54 Start: 32835, Stop: 33077, Start Num: 8

Candidate Starts for Ding_54:

(Start: 8 @32835 has 1 MA's), (12, 32862), (15, 32871), (27, 32991),

Gene: Divya_61 Start: 39872, Stop: 40063, Start Num: 24

Candidate Starts for Divya_61:

(Start: 24 @39872 has 4 MA's), (26, 39908),

Gene: GumGum_64 Start: 34202, Stop: 34447, Start Num: 10

Candidate Starts for GumGum_64:

(3, 34013), (10, 34202), (11, 34208), (12, 34211), (17, 34235), (20, 34244), (29, 34412),

Gene: JakeTheSnake_68 Start: 36635, Stop: 36880, Start Num: 9

Candidate Starts for JakeTheSnake_68:

(Start: 9 @36635 has 1 MA's), (28, 36824),

Gene: Jinkies_56 Start: 39262, Stop: 39453, Start Num: 24

Candidate Starts for Jinkies_56:

(16, 39223), (22, 39250), (Start: 24 @39262 has 4 MA's), (25, 39292), (26, 39298),

Gene: Orkz_61 Start: 37949, Stop: 38137, Start Num: 24

Candidate Starts for Orkz_61:

(5, 37820), (6, 37847), (7, 37868), (16, 37910), (22, 37937), (Start: 24 @37949 has 4 MA's), (30, 38102),

Gene: Persistence_58 Start: 33332, Stop: 33562, Start Num: 9

Candidate Starts for Persistence_58:

(Start: 9 @33332 has 1 MA's),

Gene: Sashimi_63 Start: 35520, Stop: 35741, Start Num: 14

Candidate Starts for Sashimi_63:

(2, 35313), (13, 35517), (Start: 14 @35520 has 1 MA's), (23, 35556), (27, 35655),

Gene: SunnyJune_61 Start: 39631, Stop: 39822, Start Num: 24

Candidate Starts for SunnyJune_61:

(1, 39361), (4, 39412), (Start: 24 @39631 has 4 MA's), (25, 39661), (30, 39784),