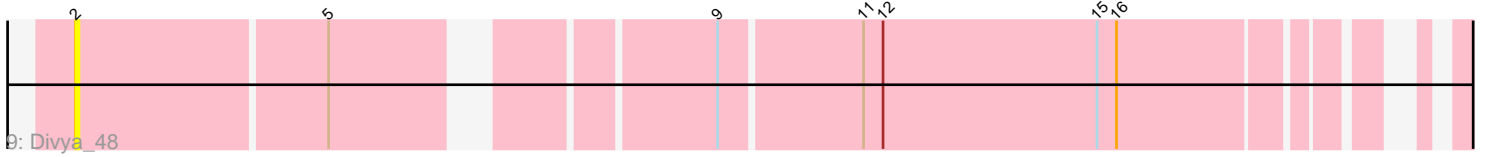
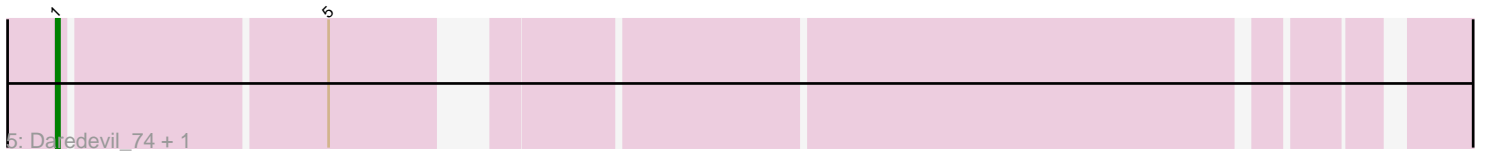
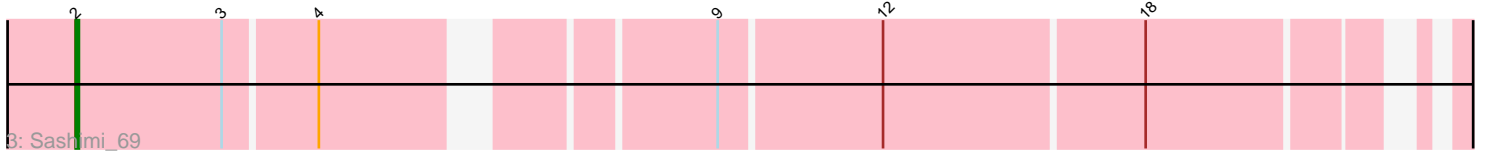
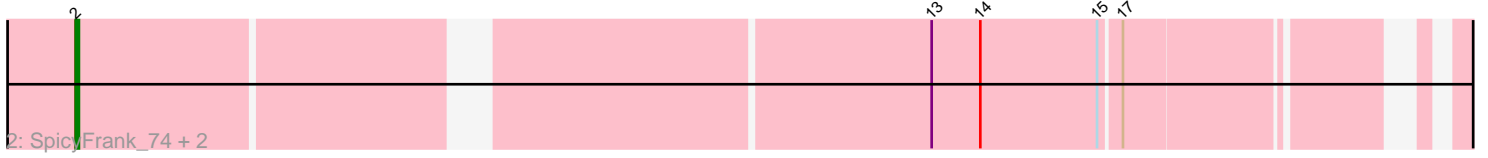
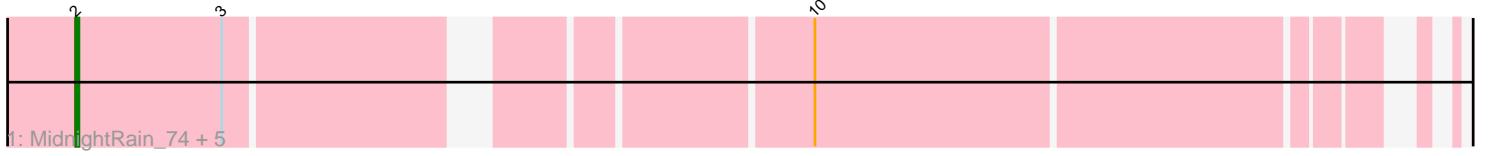


Pham 305332



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 305332 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305332 has 20 members, 6 are drafts.

Phages represented in each track:

- Track 1 : MidnightRain\_74, RadFad\_76, Hillester\_76, GumGum\_75, Vopal\_73, Auxilium\_68
- Track 2 : SpicyFrank\_74, Cassini\_67, Globfish\_72
- Track 3 : Sashimi\_69
- Track 4 : Mollymur\_84
- Track 5 : Daredevil\_74, Towmatter\_74
- Track 6 : Bantam\_84
- Track 7 : DatBoi\_81
- Track 8 : SpeedDemon\_850
- Track 9 : Divya\_48
- Track 10 : Jinkies\_44, SunnyJune\_46, AirForce1\_45

### ***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 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AirForce1\_45, Auxilium\_68, Cassini\_67, Divya\_48, Globfish\_72, GumGum\_75, Hillester\_76, Jinkies\_44, MidnightRain\_74, RadFad\_76, Sashimi\_69, SpicyFrank\_74, SunnyJune\_46, Vopal\_73,

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

- 

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

- Bantam\_84, Daredevil\_74, DatBoi\_81, Mollymur\_84, SpeedDemon\_850, Towmatter\_74,

### **Summary by start number:**

Start 1:

- Found in 6 of 20 ( 30.0% ) of genes in pham
- Manual Annotations of this start: 6 of 14

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bantam\_84 (DL), Daredevil\_74 (DL), DatBoi\_81 (DL), Mollymur\_84 (DL), SpeedDemon\_850 (DL), Towmatter\_74 (DL),

Start 2:

- Found in 14 of 20 ( 70.0% ) of genes in pham
- Manual Annotations of this start: 8 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AirForce1\_45 (FL), Auxilium\_68 (AY), Cassini\_67 (FN), Divya\_48 (FL), Globfish\_72 (AY), GumGum\_75 (AY), Hillester\_76 (AY), Jinkies\_44 (FL), MidnightRain\_74 (AY), RadFad\_76 (AY), Sashimi\_69 (AY), SpicyFrank\_74 (AY), SunnyJune\_46 (FL), Vopal\_73 (AY),

### **Summary by clusters:**

There are 4 clusters represented in this pham: AY, DL, FL, FN,

Info for manual annotations of cluster AY:

- Start number 2 was manually annotated 7 times for cluster AY.

Info for manual annotations of cluster DL:

- Start number 1 was manually annotated 6 times for cluster DL.

Info for manual annotations of cluster FL:

- Start number 2 was manually annotated 1 time for cluster FL.

### **Gene Information:**

Gene: AirForce1\_45 Start: 32559, Stop: 32999, Start Num: 2

Candidate Starts for AirForce1\_45:

(Start: 2 @32559 has 8 MA's), (5, 32634),

Gene: Auxilium\_68 Start: 35492, Stop: 35971, Start Num: 2

Candidate Starts for Auxilium\_68:

(Start: 2 @35492 has 8 MA's), (3, 35537), (10, 35693),

Gene: Bantam\_84 Start: 57099, Stop: 56536, Start Num: 1

Candidate Starts for Bantam\_84:

(Start: 1 @57099 has 6 MA's), (7, 56937), (18, 56766), (19, 56697),

Gene: Cassini\_67 Start: 37137, Stop: 37616, Start Num: 2

Candidate Starts for Cassini\_67:

(Start: 2 @37137 has 8 MA's), (13, 37380), (14, 37395), (15, 37431), (17, 37437),

Gene: Daredevil\_74 Start: 52691, Stop: 52191, Start Num: 1

Candidate Starts for Daredevil\_74:

(Start: 1 @52691 has 6 MA's), (5, 52613),

Gene: DatBoi\_81 Start: 56811, Stop: 56245, Start Num: 1

Candidate Starts for DatBoi\_81:

(Start: 1 @56811 has 6 MA's), (8, 56628), (19, 56424),

Gene: Divya\_48 Start: 33463, Stop: 33903, Start Num: 2

Candidate Starts for Divya\_48:

(Start: 2 @33463 has 8 MA's), (5, 33538), (9, 33637), (11, 33679), (12, 33685), (15, 33751), (16, 33757),

Gene: Globfish\_72 Start: 37764, Stop: 38243, Start Num: 2

Candidate Starts for Globfish\_72:

(Start: 2 @37764 has 8 MA's), (13, 38007), (14, 38022), (15, 38058), (17, 38064),

Gene: GumGum\_75 Start: 38218, Stop: 38685, Start Num: 2

Candidate Starts for GumGum\_75:

(Start: 2 @38218 has 8 MA's), (3, 38263), (10, 38419),

Gene: Hillester\_76 Start: 38827, Stop: 39300, Start Num: 2

Candidate Starts for Hillester\_76:

(Start: 2 @38827 has 8 MA's), (3, 38872), (10, 39028),

Gene: Jinkies\_44 Start: 33571, Stop: 34011, Start Num: 2

Candidate Starts for Jinkies\_44:

(Start: 2 @33571 has 8 MA's), (5, 33646),

Gene: MidnightRain\_74 Start: 38613, Stop: 39080, Start Num: 2

Candidate Starts for MidnightRain\_74:

(Start: 2 @38613 has 8 MA's), (3, 38658), (10, 38814),

Gene: Mollymur\_84 Start: 57822, Stop: 57259, Start Num: 1

Candidate Starts for Mollymur\_84:

(Start: 1 @57822 has 6 MA's), (6, 57723), (18, 57489),

Gene: RadFad\_76 Start: 38827, Stop: 39300, Start Num: 2

Candidate Starts for RadFad\_76:

(Start: 2 @38827 has 8 MA's), (3, 38872), (10, 39028),

Gene: Sashimi\_69 Start: 38075, Stop: 38557, Start Num: 2

Candidate Starts for Sashimi\_69:

(Start: 2 @38075 has 8 MA's), (3, 38120), (4, 38147), (9, 38249), (12, 38297), (18, 38375),

Gene: SpeedDemon\_850 Start: 59020, Stop: 58460, Start Num: 1

Candidate Starts for SpeedDemon\_850:

(Start: 1 @59020 has 6 MA's), (18, 58687), (19, 58621),

Gene: SpicyFrank\_74 Start: 38376, Stop: 38855, Start Num: 2

Candidate Starts for SpicyFrank\_74:

(Start: 2 @38376 has 8 MA's), (13, 38619), (14, 38634), (15, 38670), (17, 38676),

Gene: SunnyJune\_46 Start: 33142, Stop: 33582, Start Num: 2

Candidate Starts for SunnyJune\_46:

(Start: 2 @33142 has 8 MA's), (5, 33217),

Gene: Towmatter\_74 Start: 52770, Stop: 52270, Start Num: 1

Candidate Starts for Towmatter\_74:

(Start: 1 @52770 has 6 MA's), (5, 52692),

Gene: Vopal\_73 Start: 40295, Stop: 40768, Start Num: 2

Candidate Starts for Vopal\_73:

(Start: 2 @40295 has 8 MA's), (3, 40340), (10, 40496),