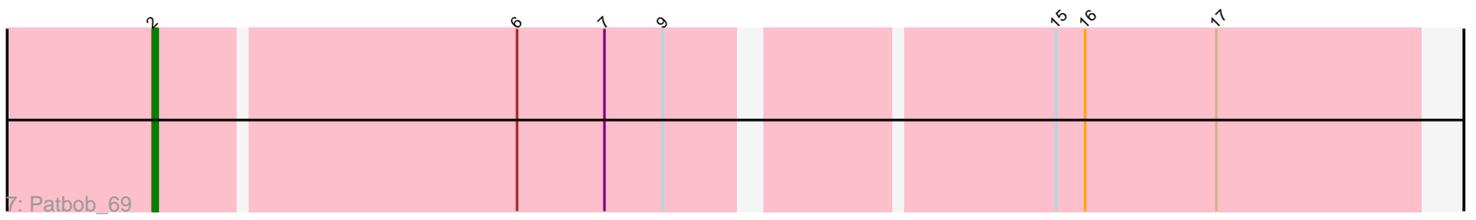
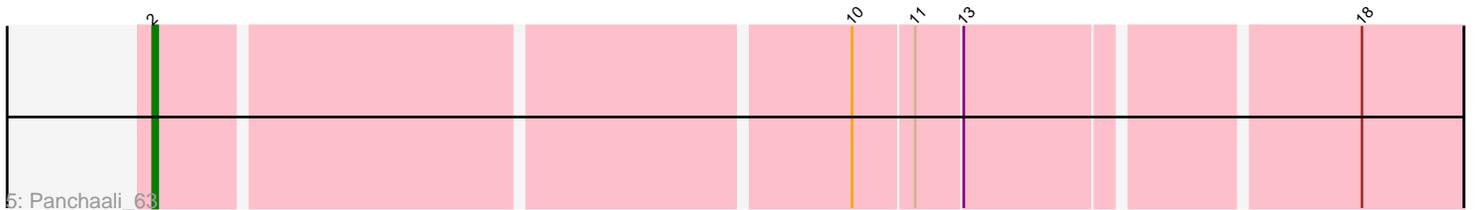
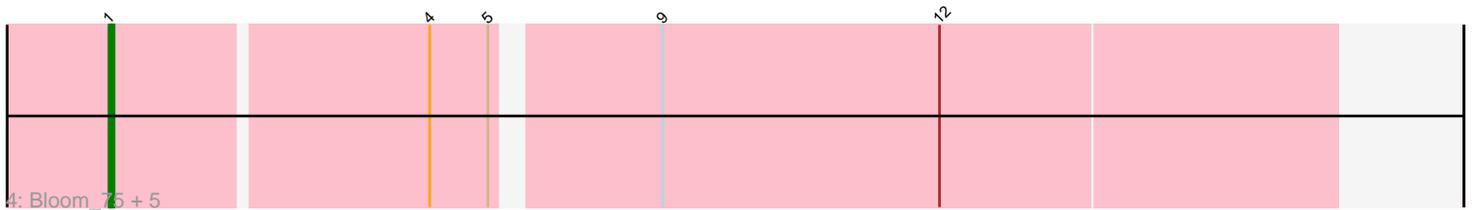
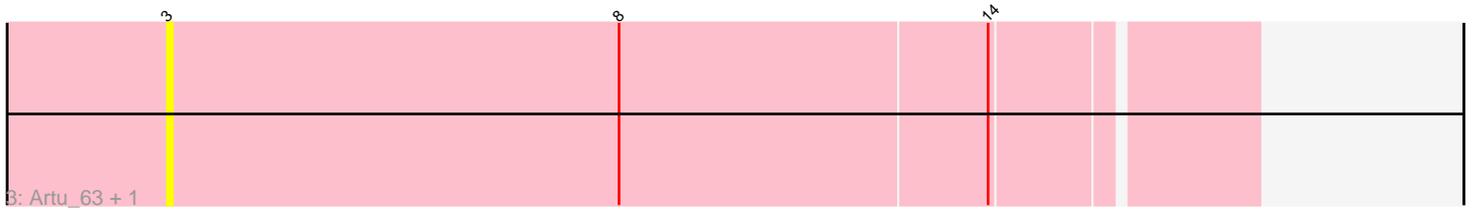
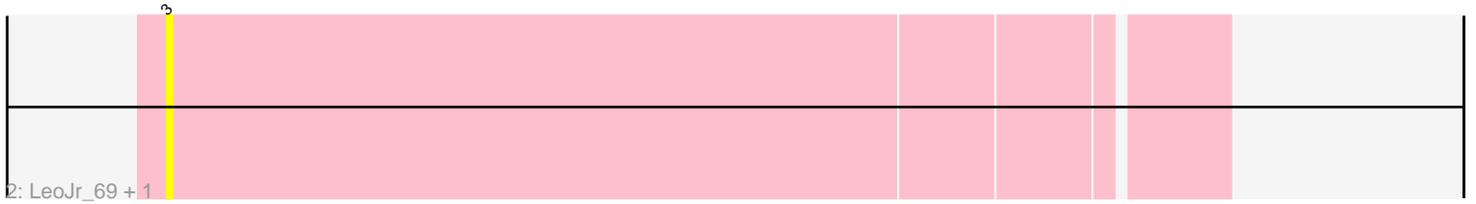
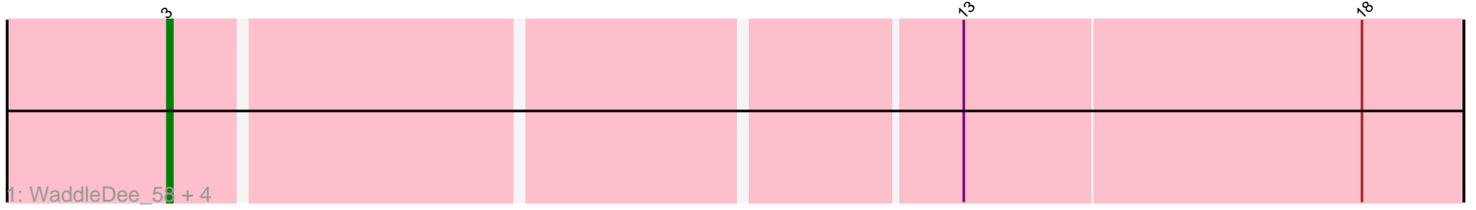


Pham 291595



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 291595 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291595 has 18 members, 9 are drafts.

Phages represented in each track:

- Track 1 : WaddleDee_58, Emmetator_63, Ellewin_62, DunneganBoMo_60, BooTeria_67
- Track 2 : LeoJr_69, ReginaGlobina_69
- Track 3 : Artu_63, KSunshine22_65
- Track 4 : Bloom_75, Racecar_72, Talia1610_71, GoldenEssence_57, FrostedClock_74, Mimi_71
- Track 5 : Panchaali_63
- Track 6 : Atuin_64
- Track 7 : Patbob_69

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

The start number called the most often in the published annotations is 1, it was called in 4 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bloom_75, FrostedClock_74, GoldenEssence_57, Mimi_71, Racecar_72, Talia1610_71,

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

-

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

- Artu_63, Atuin_64, BooTeria_67, DunneganBoMo_60, Ellewin_62, Emmetator_63, KSunshine22_65, LeoJr_69, Panchaali_63, Patbob_69, ReginaGlobina_69, WaddleDee_58,

Summary by start number:

Start 1:

- Found in 6 of 18 (33.3%) of genes in pham
- Manual Annotations of this start: 4 of 9
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Bloom_75 (FC), FrostedClock_74 (FC), GoldenEssence_57 (FC), Mimi_71 (FC), Racecar_72 (FC), Talia1610_71 (FC),

Start 2:

- Found in 2 of 18 (11.1%) of genes in pham
- Manual Annotations of this start: 2 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Panchaali_63 (FC), Patbob_69 (FC),

Start 3:

- Found in 10 of 18 (55.6%) of genes in pham
- Manual Annotations of this start: 3 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Artu_63 (FC), Atuin_64 (FC), BooTeria_67 (FC), DunneganBoMo_60 (FC), Ellewin_62 (FC), Emmetator_63 (FC), KSunshine22_65 (FC), LeoJr_69 (FC), ReginaGlobina_69 (FC), WaddleDee_58 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:

- Start number 1 was manually annotated 4 times for cluster FC.
- Start number 2 was manually annotated 2 times for cluster FC.
- Start number 3 was manually annotated 3 times for cluster FC.

Gene Information:

Gene: Artu_63 Start: 26335, Stop: 26553, Start Num: 3

Candidate Starts for Artu_63:

(Start: 3 @26335 has 3 MA's), (8, 26428), (14, 26503),

Gene: Atuin_64 Start: 28661, Stop: 28870, Start Num: 3

Candidate Starts for Atuin_64:

(Start: 3 @28661 has 3 MA's),

Gene: Bloom_75 Start: 32045, Stop: 32287, Start Num: 1

Candidate Starts for Bloom_75:

(Start: 1 @32045 has 4 MA's), (4, 32108), (5, 32120), (9, 32150), (12, 32207),

Gene: BooTeria_67 Start: 26771, Stop: 27025, Start Num: 3

Candidate Starts for BooTeria_67:

(Start: 3 @26771 has 3 MA's), (13, 26924), (18, 27005),

Gene: DunneganBoMo_60 Start: 26196, Stop: 26450, Start Num: 3

Candidate Starts for DunneganBoMo_60:

(Start: 3 @26196 has 3 MA's), (13, 26349), (18, 26430),

Gene: Ellewin_62 Start: 25923, Stop: 26177, Start Num: 3

Candidate Starts for Ellewin_62:

(Start: 3 @25923 has 3 MA's), (13, 26076), (18, 26157),

Gene: Emmetator_63 Start: 26942, Stop: 27196, Start Num: 3

Candidate Starts for Emmetator_63:

(Start: 3 @26942 has 3 MA's), (13, 27095), (18, 27176),

Gene: FrostedClock_74 Start: 31533, Stop: 31775, Start Num: 1

Candidate Starts for FrostedClock_74:

(Start: 1 @31533 has 4 MA's), (4, 31596), (5, 31608), (9, 31638), (12, 31695),

Gene: GoldenEssence_57 Start: 25838, Stop: 26080, Start Num: 1

Candidate Starts for GoldenEssence_57:

(Start: 1 @25838 has 4 MA's), (4, 25901), (5, 25913), (9, 25943), (12, 26000),

Gene: KSunshine22_65 Start: 27482, Stop: 27700, Start Num: 3

Candidate Starts for KSunshine22_65:

(Start: 3 @27482 has 3 MA's), (8, 27575), (14, 27650),

Gene: LeoJr_69 Start: 28798, Stop: 29010, Start Num: 3

Candidate Starts for LeoJr_69:

(Start: 3 @28798 has 3 MA's),

Gene: Mimi_71 Start: 31392, Stop: 31634, Start Num: 1

Candidate Starts for Mimi_71:

(Start: 1 @31392 has 4 MA's), (4, 31455), (5, 31467), (9, 31497), (12, 31554),

Gene: Panchaali_63 Start: 27051, Stop: 27302, Start Num: 2

Candidate Starts for Panchaali_63:

(Start: 2 @27051 has 2 MA's), (10, 27186), (11, 27198), (13, 27207), (18, 27282),

Gene: Patbob_69 Start: 31672, Stop: 31920, Start Num: 2

Candidate Starts for Patbob_69:

(Start: 2 @31672 has 2 MA's), (6, 31744), (7, 31762), (9, 31774), (15, 31846), (16, 31852), (17, 31879),

Gene: Racecar_72 Start: 32045, Stop: 32287, Start Num: 1

Candidate Starts for Racecar_72:

(Start: 1 @32045 has 4 MA's), (4, 32108), (5, 32120), (9, 32150), (12, 32207),

Gene: ReginaGlobina_69 Start: 29355, Stop: 29567, Start Num: 3

Candidate Starts for ReginaGlobina_69:

(Start: 3 @29355 has 3 MA's),

Gene: Talia1610_71 Start: 31410, Stop: 31652, Start Num: 1

Candidate Starts for Talia1610_71:

(Start: 1 @31410 has 4 MA's), (4, 31473), (5, 31485), (9, 31515), (12, 31572),

Gene: WaddleDee_58 Start: 26048, Stop: 26302, Start Num: 3

Candidate Starts for WaddleDee_58:

(Start: 3 @26048 has 3 MA's), (13, 26201), (18, 26282),