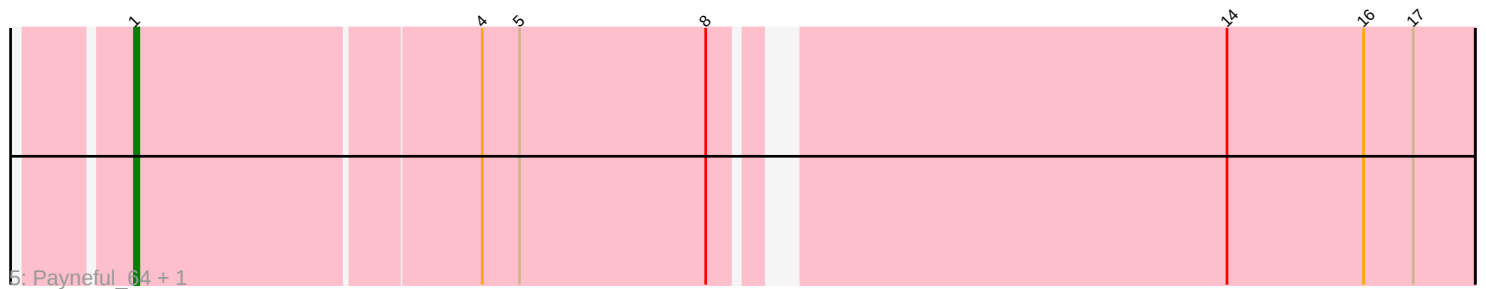
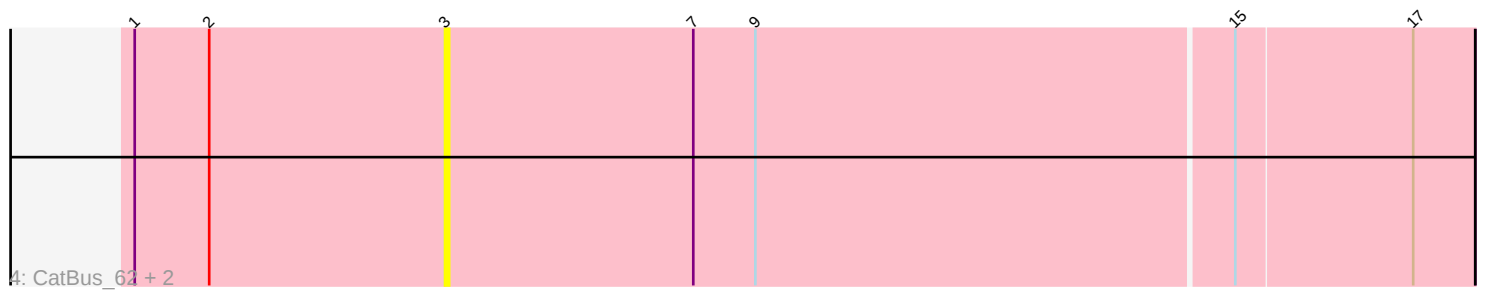
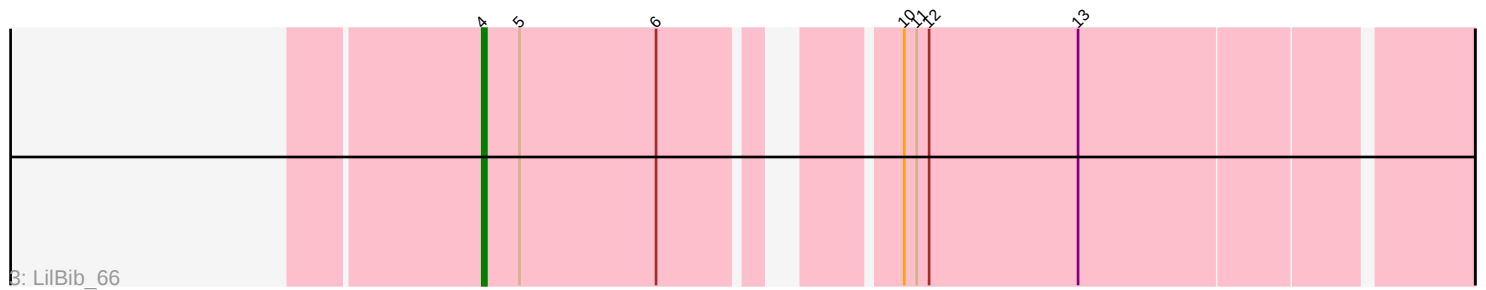
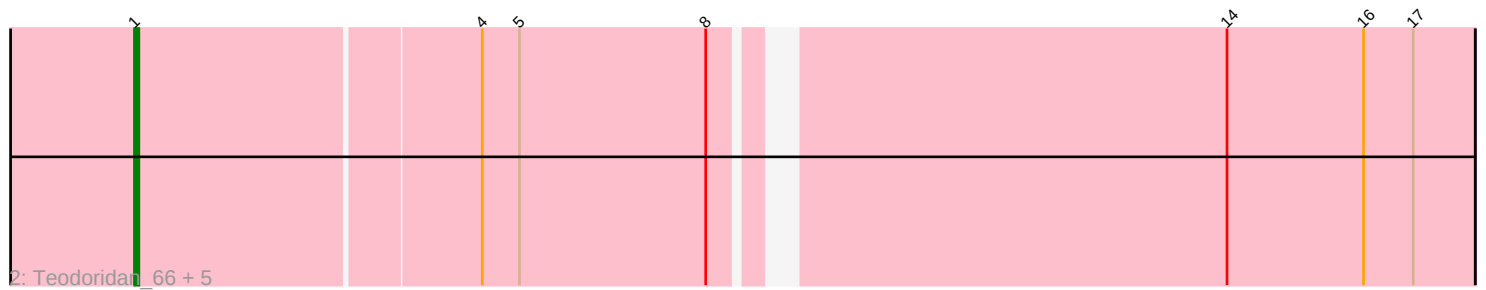
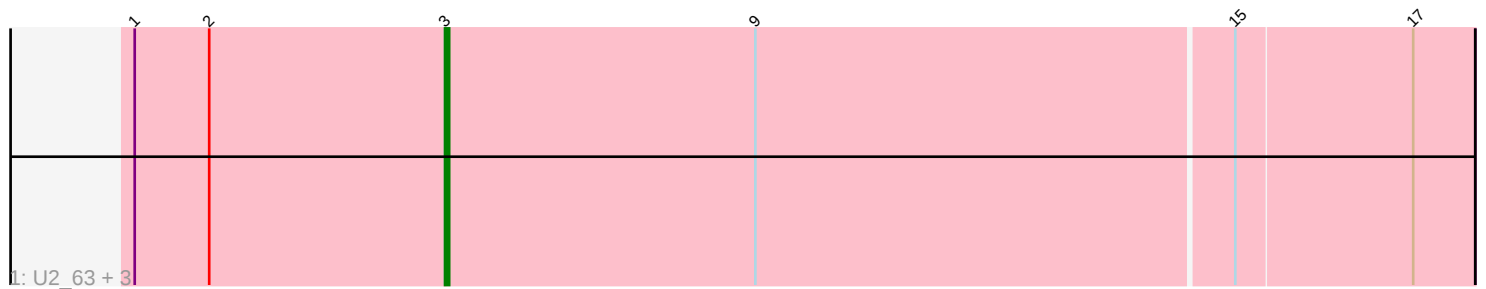


Pham 331355



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 331355 Report

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

Pham number 331355 has 16 members, 7 are drafts.

Phages represented in each track:

- Track 1 : U2_63, Sandaddy_64, CartmannCramer_66, Molly_68
- Track 2 : Teodoridan_66, Levia_64, PhineBark_66, Ajay_66, BarrowTuph_68, Blackflame_62
- Track 3 : LilBib_66
- Track 4 : CatBus_62, Aldrich_62, DirtDevil_64
- Track 5 : Payneful_64, Marchy_60

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 6 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ajay_66, BarrowTuph_68, Blackflame_62, Levia_64, Marchy_60, Payneful_64, PhineBark_66, Teodoridan_66,

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

- Aldrich_62, CartmannCramer_66, CatBus_62, DirtDevil_64, Molly_68, Sandaddy_64, U2_63,

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

- LilBib_66,

Summary by start number:

Start 1:

- Found in 15 of 16 (93.8%) of genes in pham
- Manual Annotations of this start: 6 of 9
- Called 53.3% of time when present
- Phage (with cluster) where this start called: Ajay_66 (A1), BarrowTuph_68 (A1), Blackflame_62 (A1), Levia_64 (A1), Marchy_60 (A1), Payneful_64 (A1), PhineBark_66 (A1), Teodoridan_66 (A1),

Start 3:

- Found in 7 of 16 (43.8%) 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: Aldrich_62 (A1), CartmannCramer_66 (A1), CatBus_62 (A1), DirtDevil_64 (A1), Molly_68 (A1), Sandaddy_64 (A1), U2_63 (A1),

Start 4:

- Found in 9 of 16 (56.2%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 11.1% of time when present
- Phage (with cluster) where this start called: LilBib_66 (A1),

Summary by clusters:

There is one cluster represented in this pham: A1

Info for manual annotations of cluster A1:

- Start number 1 was manually annotated 6 times for cluster A1.
- Start number 3 was manually annotated 2 times for cluster A1.
- Start number 4 was manually annotated 1 time for cluster A1.

Gene Information:

Gene: Ajay_66 Start: 43019, Stop: 42711, Start Num: 1

Candidate Starts for Ajay_66:

(Start: 1 @43019 has 6 MA's), (Start: 4 @42938 has 1 MA's), (5, 42929), (8, 42884), (14, 42770), (16, 42737), (17, 42725),

Gene: Aldrich_62 Start: 42243, Stop: 41998, Start Num: 3

Candidate Starts for Aldrich_62:

(Start: 1 @42318 has 6 MA's), (2, 42300), (Start: 3 @42243 has 2 MA's), (7, 42183), (9, 42168), (15, 42054), (17, 42012),

Gene: BarrowTuph_68 Start: 42789, Stop: 42481, Start Num: 1

Candidate Starts for BarrowTuph_68:

(Start: 1 @42789 has 6 MA's), (Start: 4 @42708 has 1 MA's), (5, 42699), (8, 42654), (14, 42540), (16, 42507), (17, 42495),

Gene: Blackflame_62 Start: 42284, Stop: 41976, Start Num: 1

Candidate Starts for Blackflame_62:

(Start: 1 @42284 has 6 MA's), (Start: 4 @42203 has 1 MA's), (5, 42194), (8, 42149), (14, 42035), (16, 42002), (17, 41990),

Gene: CartmannCramer_66 Start: 44753, Stop: 44508, Start Num: 3

Candidate Starts for CartmannCramer_66:

(Start: 1 @44828 has 6 MA's), (2, 44810), (Start: 3 @44753 has 2 MA's), (9, 44678), (15, 44564), (17, 44522),

Gene: CatBus_62 Start: 42435, Stop: 42190, Start Num: 3

Candidate Starts for CatBus_62:

(Start: 1 @42510 has 6 MA's), (2, 42492), (Start: 3 @42435 has 2 MA's), (7, 42375), (9, 42360), (15, 42246), (17, 42204),

Gene: DirtDevil_64 Start: 42243, Stop: 41998, Start Num: 3

Candidate Starts for DirtDevil_64:

(Start: 1 @42318 has 6 MA's), (2, 42300), (Start: 3 @42243 has 2 MA's), (7, 42183), (9, 42168), (15, 42054), (17, 42012),

Gene: Levia_64 Start: 42075, Stop: 41767, Start Num: 1

Candidate Starts for Levia_64:

(Start: 1 @42075 has 6 MA's), (Start: 4 @41994 has 1 MA's), (5, 41985), (8, 41940), (14, 41826), (16, 41793), (17, 41781),

Gene: LilBib_66 Start: 44086, Stop: 43868, Start Num: 4

Candidate Starts for LilBib_66:

(Start: 4 @44086 has 1 MA's), (5, 44077), (6, 44044), (10, 43999), (11, 43996), (12, 43993), (13, 43957),

Gene: Marchy_60 Start: 39409, Stop: 39101, Start Num: 1

Candidate Starts for Marchy_60:

(Start: 1 @39409 has 6 MA's), (Start: 4 @39328 has 1 MA's), (5, 39319), (8, 39274), (14, 39160), (16, 39127), (17, 39115),

Gene: Molly_68 Start: 43205, Stop: 42960, Start Num: 3

Candidate Starts for Molly_68:

(Start: 1 @43280 has 6 MA's), (2, 43262), (Start: 3 @43205 has 2 MA's), (9, 43130), (15, 43016), (17, 42974),

Gene: Payneful_64 Start: 42126, Stop: 41818, Start Num: 1

Candidate Starts for Payneful_64:

(Start: 1 @42126 has 6 MA's), (Start: 4 @42045 has 1 MA's), (5, 42036), (8, 41991), (14, 41877), (16, 41844), (17, 41832),

Gene: PhineBark_66 Start: 43093, Stop: 42785, Start Num: 1

Candidate Starts for PhineBark_66:

(Start: 1 @43093 has 6 MA's), (Start: 4 @43012 has 1 MA's), (5, 43003), (8, 42958), (14, 42844), (16, 42811), (17, 42799),

Gene: Sandaddy_64 Start: 42569, Stop: 42324, Start Num: 3

Candidate Starts for Sandaddy_64:

(Start: 1 @42644 has 6 MA's), (2, 42626), (Start: 3 @42569 has 2 MA's), (9, 42494), (15, 42380), (17, 42338),

Gene: Teodoridan_66 Start: 42115, Stop: 41807, Start Num: 1

Candidate Starts for Teodoridan_66:

(Start: 1 @42115 has 6 MA's), (Start: 4 @42034 has 1 MA's), (5, 42025), (8, 41980), (14, 41866), (16, 41833), (17, 41821),

Gene: U2_63 Start: 43530, Stop: 43285, Start Num: 3

Candidate Starts for U2_63:

(Start: 1 @43605 has 6 MA's), (2, 43587), (Start: 3 @43530 has 2 MA's), (9, 43455), (15, 43341), (17, 43299),