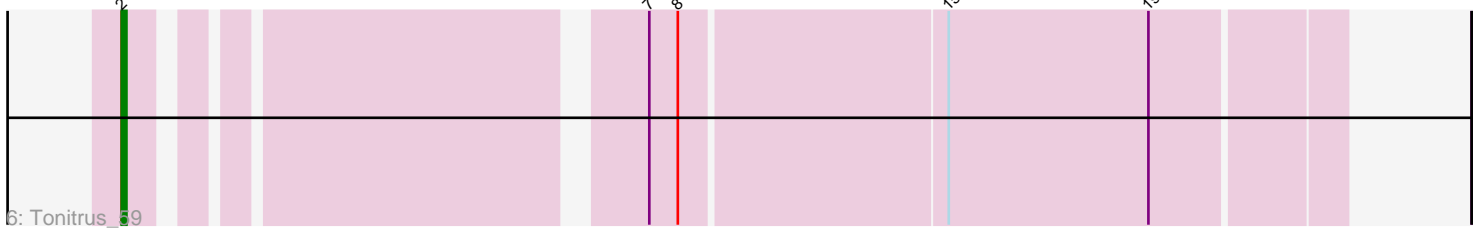
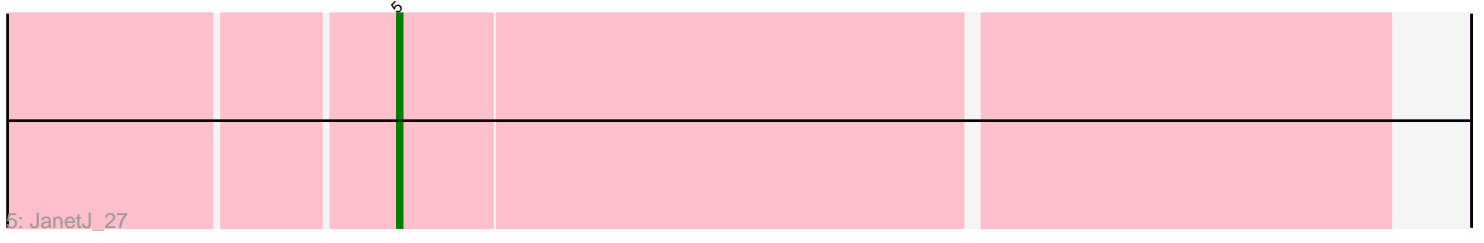
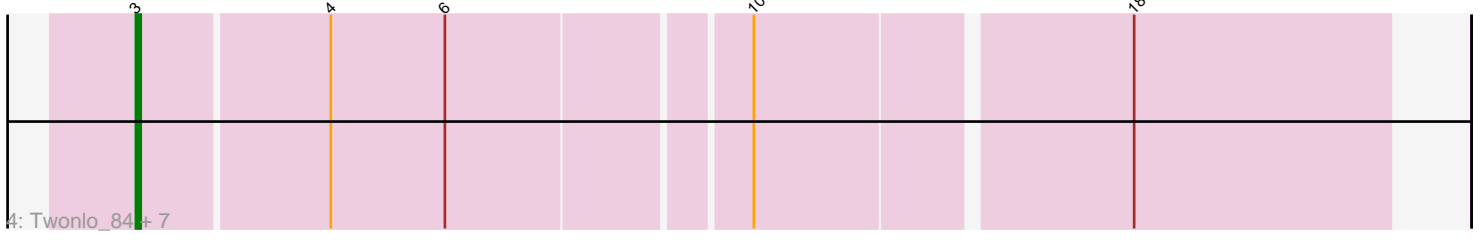
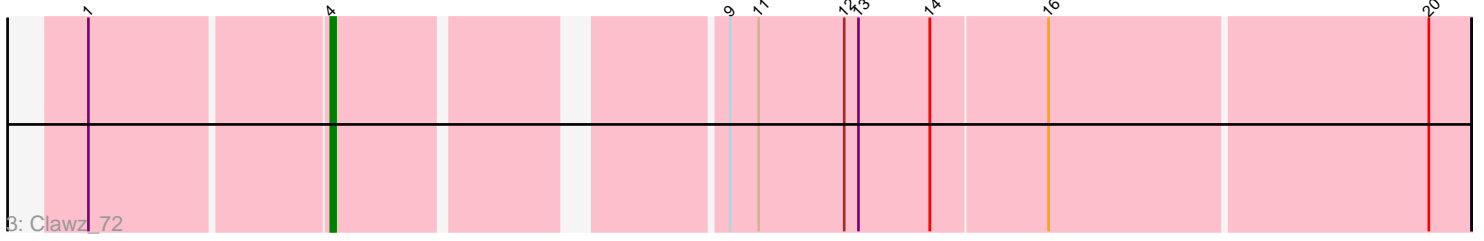
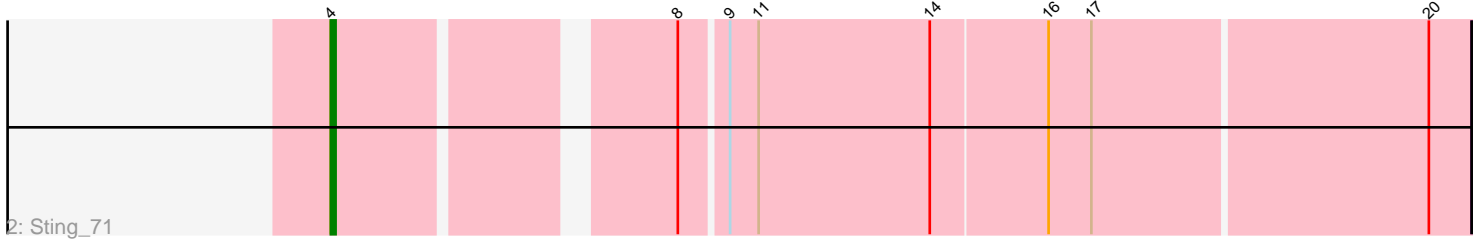
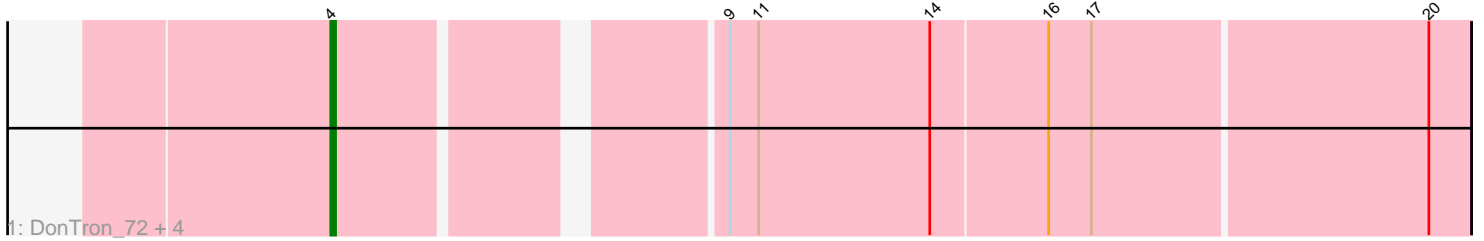


Pham 194393



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 194393 Report

This analysis was run 11/02/24 on database version 579.

Pham number 194393 has 17 members, 5 are drafts.

Phages represented in each track:

- Track 1 : DonTron_72, Jollymon_73, KingstonB_73, ColdSoup_73, Soos_68
- Track 2 : Sting_71
- Track 3 : Clawz_72
- Track 4 : Twonlo_84, EdmundFerry_85, GTE6_86, RoadKill_84, Chickadee_87, Tiamoceli_80, Dexdert_82, Kwekel_87
- Track 5 : JanetJ_27
- Track 6 : Tonitrus_59

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

The start number called the most often in the published annotations is 3, it was called in 7 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Chickadee_87, Dexdert_82, EdmundFerry_85, GTE6_86, Kwekel_87, RoadKill_84, Tiamoceli_80, Twonlo_84,

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

-

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

- Clawz_72, ColdSoup_73, DonTron_72, JanetJ_27, Jollymon_73, KingstonB_73, Soos_68, Sting_71, Tonitrus_59,

Summary by start number:

Start 2:

- Found in 1 of 17 (5.9%) of genes in pham
- Manual Annotations of this start: 1 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Tonitrus_59 (singleton),

Start 3:

- Found in 8 of 17 (47.1%) of genes in pham

- Manual Annotations of this start: 7 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Chickadee_87 (DE3), Dextert_82 (DE3), EdmundFerry_85 (DE3), GTE6_86 (DE3), Kwekel_87 (DE3), RoadKill_84 (DE3), Tiamoceli_80 (DE3), Twonlo_84 (DE3),

Start 4:

- Found in 15 of 17 (88.2%) of genes in pham
- Manual Annotations of this start: 3 of 12
- Called 46.7% of time when present
- Phage (with cluster) where this start called: Clawz_72 (CP), ColdSoup_73 (CP), DonTron_72 (CP), Jollymon_73 (CP), KingstonB_73 (CP), Soos_68 (CP), Sting_71 (CP),

Start 5:

- Found in 1 of 17 (5.9%) of genes in pham
- Manual Annotations of this start: 1 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: JanetJ_27 (FO),

Summary by clusters:

There are 4 clusters represented in this pham: CP, DE3, singleton, FO,

Info for manual annotations of cluster CP:

- Start number 4 was manually annotated 3 times for cluster CP.

Info for manual annotations of cluster DE3:

- Start number 3 was manually annotated 7 times for cluster DE3.

Info for manual annotations of cluster FO:

- Start number 5 was manually annotated 1 time for cluster FO.

Gene Information:

Gene: Chickadee_87 Start: 56050, Stop: 56301, Start Num: 3

Candidate Starts for Chickadee_87:

(Start: 3 @56050 has 7 MA's), (Start: 4 @56089 has 3 MA's), (6, 56113), (10, 56173), (18, 56248),

Gene: Clawz_72 Start: 48155, Stop: 48379, Start Num: 4

Candidate Starts for Clawz_72:

(1, 48107), (Start: 4 @48155 has 3 MA's), (9, 48227), (11, 48233), (12, 48251), (13, 48254), (14, 48269), (16, 48293), (20, 48371),

Gene: ColdSoup_73 Start: 48358, Stop: 48582, Start Num: 4

Candidate Starts for ColdSoup_73:

(Start: 4 @48358 has 3 MA's), (9, 48430), (11, 48436), (14, 48472), (16, 48496), (17, 48505), (20, 48574),

Gene: Dextert_82 Start: 54559, Stop: 54810, Start Num: 3

Candidate Starts for Dextert_82:

(Start: 3 @54559 has 7 MA's), (Start: 4 @54598 has 3 MA's), (6, 54622), (10, 54682), (18, 54757),

Gene: DonTron_72 Start: 48395, Stop: 48619, Start Num: 4

Candidate Starts for DonTron_72:

(Start: 4 @48395 has 3 MA's), (9, 48467), (11, 48473), (14, 48509), (16, 48533), (17, 48542), (20, 48611),

Gene: EdmundFerry_85 Start: 55426, Stop: 55677, Start Num: 3

Candidate Starts for EdmundFerry_85:

(Start: 3 @55426 has 7 MA's), (Start: 4 @55465 has 3 MA's), (6, 55489), (10, 55549), (18, 55624),

Gene: GTE6_86 Start: 56599, Stop: 56850, Start Num: 3

Candidate Starts for GTE6_86:

(Start: 3 @56599 has 7 MA's), (Start: 4 @56638 has 3 MA's), (6, 56662), (10, 56722), (18, 56797),

Gene: JanetJ_27 Start: 24007, Stop: 23804, Start Num: 5

Candidate Starts for JanetJ_27:

(Start: 5 @24007 has 1 MA's),

Gene: Jollymon_73 Start: 48358, Stop: 48582, Start Num: 4

Candidate Starts for Jollymon_73:

(Start: 4 @48358 has 3 MA's), (9, 48430), (11, 48436), (14, 48472), (16, 48496), (17, 48505), (20, 48574),

Gene: KingstonB_73 Start: 47833, Stop: 48057, Start Num: 4

Candidate Starts for KingstonB_73:

(Start: 4 @47833 has 3 MA's), (9, 47905), (11, 47911), (14, 47947), (16, 47971), (17, 47980), (20, 48049),

Gene: Kwekel_87 Start: 55963, Stop: 56214, Start Num: 3

Candidate Starts for Kwekel_87:

(Start: 3 @55963 has 7 MA's), (Start: 4 @56002 has 3 MA's), (6, 56026), (10, 56086), (18, 56161),

Gene: RoadKill_84 Start: 55492, Stop: 55743, Start Num: 3

Candidate Starts for RoadKill_84:

(Start: 3 @55492 has 7 MA's), (Start: 4 @55531 has 3 MA's), (6, 55555), (10, 55615), (18, 55690),

Gene: Soos_68 Start: 47562, Stop: 47786, Start Num: 4

Candidate Starts for Soos_68:

(Start: 4 @47562 has 3 MA's), (9, 47634), (11, 47640), (14, 47676), (16, 47700), (17, 47709), (20, 47778),

Gene: Sting_71 Start: 48001, Stop: 48225, Start Num: 4

Candidate Starts for Sting_71:

(Start: 4 @48001 has 3 MA's), (8, 48064), (9, 48073), (11, 48079), (14, 48115), (16, 48139), (17, 48148), (20, 48217),

Gene: Tiamoceli_80 Start: 55382, Stop: 55633, Start Num: 3

Candidate Starts for Tiamoceli_80:

(Start: 3 @55382 has 7 MA's), (Start: 4 @55421 has 3 MA's), (6, 55445), (10, 55505), (18, 55580),

Gene: Tonitrus_59 Start: 44270, Stop: 44503, Start Num: 2

Candidate Starts for Tonitrus_59:

(Start: 2 @44270 has 1 MA's), (7, 44363), (8, 44369), (15, 44423), (19, 44465),

Gene: Twonlo_84 Start: 56083, Stop: 56334, Start Num: 3

Candidate Starts for Twonlo_84:

(Start: 3 @56083 has 7 MA's), (Start: 4 @56122 has 3 MA's), (6, 56146), (10, 56206), (18, 56281),