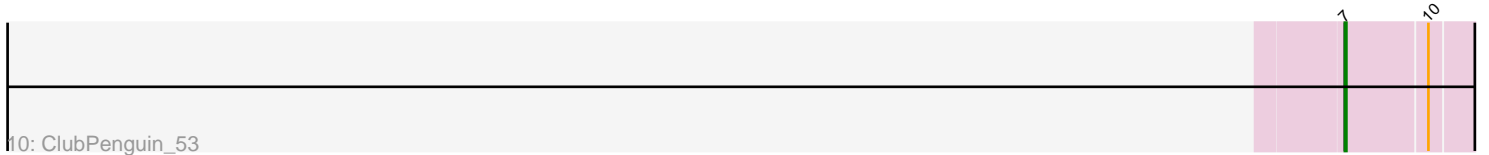
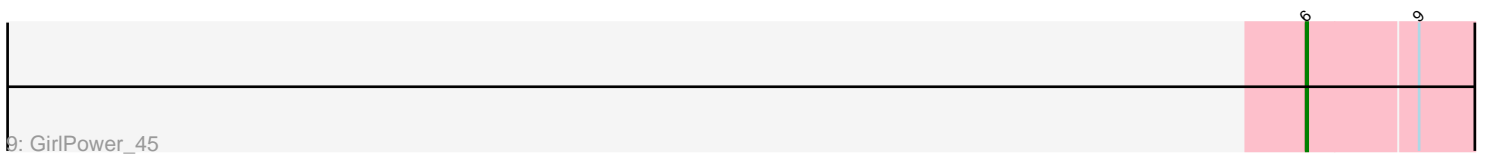
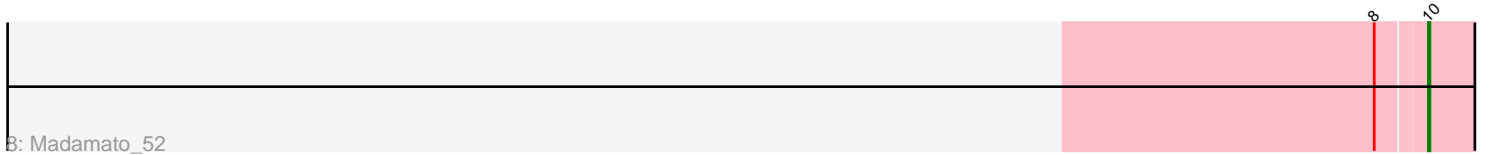
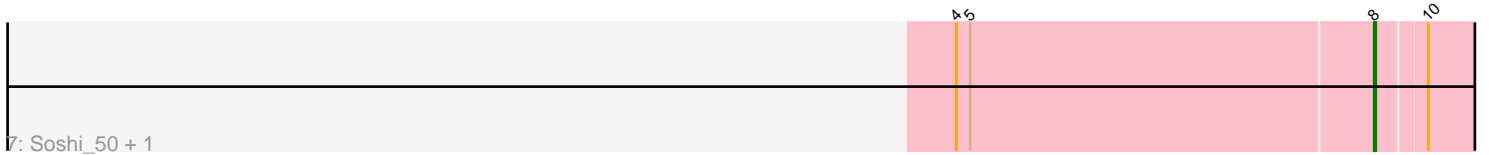
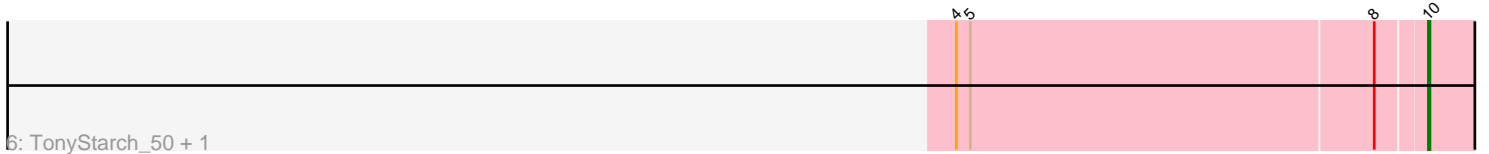
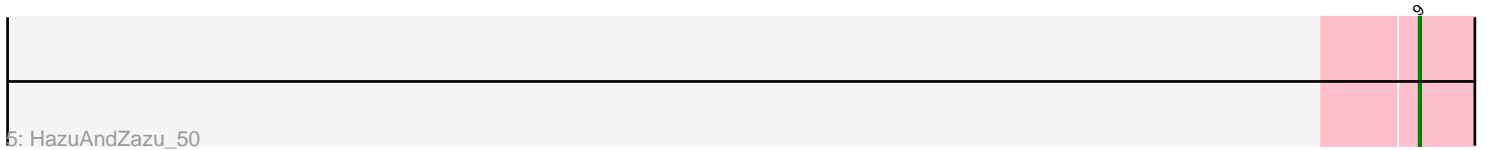
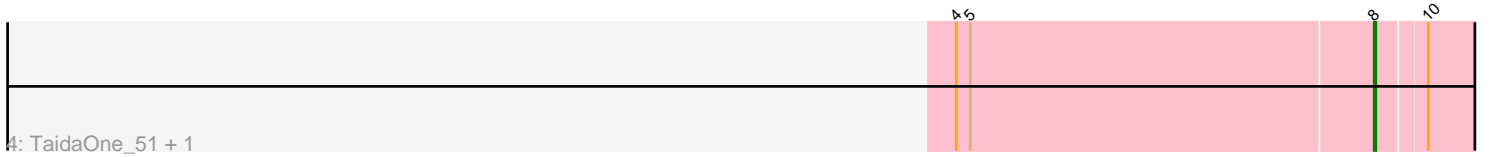
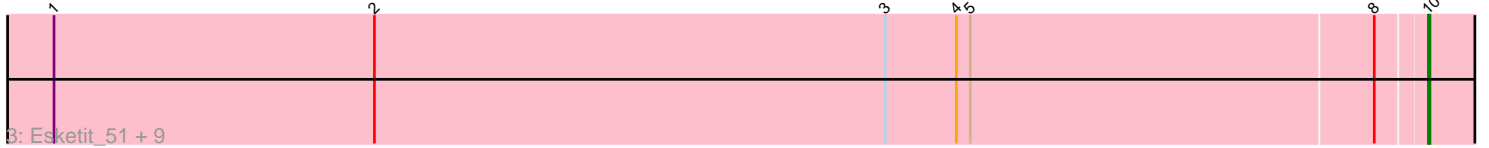
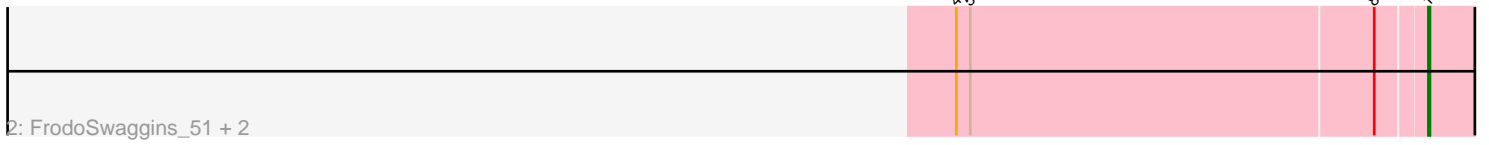
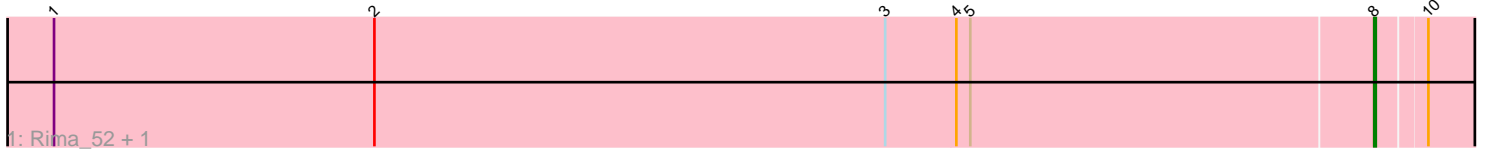


Pham 309146



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 309146 Report

This analysis was run 06/27/26 on database version 652.

Pham number 309146 has 25 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Rima_52, Jaylociraptor_51
- Track 2 : FrodoSwaggins_51, Espio_51, Popy_51
- Track 3 : Esketit_51, FidgetOrca_51, Maya_51, Meibysrarus_49, Hoshi_50, OlympicHelado_51, Namu_52, Indigenous_51, Spectropatronm_51, IceWarrior_50
- Track 4 : TaidaOne_51, TieDye_50
- Track 5 : HazuAndZazu_50
- Track 6 : TonyStarch_50, CherryBlossom_51
- Track 7 : Soshi_50, DrGrey_50
- Track 8 : Madamato_52
- Track 9 : GirlPower_45
- Track 10 : ClubPenguin_53

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

The start number called the most often in the published annotations is 10, it was called in 16 of the 25 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- CherryBlossom_51, Esketit_51, Espio_51, FidgetOrca_51, FrodoSwaggins_51, Hoshi_50, IceWarrior_50, Indigenous_51, Madamato_52, Maya_51, Meibysrarus_49, Namu_52, OlympicHelado_51, Popy_51, Spectropatronm_51, TonyStarch_50,

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

- ClubPenguin_53, DrGrey_50, Jaylociraptor_51, Rima_52, Soshi_50, TaidaOne_51, TieDye_50,

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

- GirlPower_45, HazuAndZazu_50,

Summary by start number:

Start 6:

- Found in 1 of 25 (4.0%) of genes in pham
- Manual Annotations of this start: 1 of 25

- Called 100.0% of time when present
- Phage (with cluster) where this start called: GirlPower_45 (BI1),

Start 7:

- Found in 1 of 25 (4.0%) of genes in pham
- Manual Annotations of this start: 1 of 25
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ClubPenguin_53 (BI7),

Start 8:

- Found in 22 of 25 (88.0%) of genes in pham
- Manual Annotations of this start: 6 of 25
- Called 27.3% of time when present
- Phage (with cluster) where this start called: DrGrey_50 (BI1), Jaylociraptor_51 (BI1), Rima_52 (BI1), Soshi_50 (BI1), TaidaOne_51 (BI1), TieDye_50 (BI1),

Start 9:

- Found in 2 of 25 (8.0%) of genes in pham
- Manual Annotations of this start: 1 of 25
- Called 50.0% of time when present
- Phage (with cluster) where this start called: HazuAndZazu_50 (BI1),

Start 10:

- Found in 23 of 25 (92.0%) of genes in pham
- Manual Annotations of this start: 16 of 25
- Called 69.6% of time when present
- Phage (with cluster) where this start called: CherryBlossom_51 (BI1), Esketit_51 (BI1), Espio_51 (BI1), FidgetOrca_51 (BI1), FrodoSwaggins_51 (BI1), Hoshi_50 (BI1), IceWarrior_50 (BI1), Indigenous_51 (BI1), Madamoto_52 (BI1), Maya_51 (BI1), Meibysrarus_49 (BI1), Namu_52 (BI1), OlympicHelado_51 (BI1), Popy_51 (BI1), Spectropatronm_51 (BI1), TonyStarch_50 (BI1),

Summary by clusters:

There are 2 clusters represented in this pham: BI7, BI1,

Info for manual annotations of cluster BI1:

- Start number 6 was manually annotated 1 time for cluster BI1.
- Start number 8 was manually annotated 6 times for cluster BI1.
- Start number 9 was manually annotated 1 time for cluster BI1.
- Start number 10 was manually annotated 16 times for cluster BI1.

Info for manual annotations of cluster BI7:

- Start number 7 was manually annotated 1 time for cluster BI7.

Gene Information:

Gene: CherryBlossom_51 Start: 33667, Stop: 33819, Start Num: 10

Candidate Starts for CherryBlossom_51:

(4, 33370), (5, 33379), (Start: 8 @33637 has 6 MA's), (Start: 10 @33667 has 16 MA's),

Gene: ClubPenguin_53 Start: 33922, Stop: 34116, Start Num: 7
Candidate Starts for ClubPenguin_53:
(Start: 7 @33922 has 1 MA's), (Start: 10 @33973 has 16 MA's),

Gene: DrGrey_50 Start: 34002, Stop: 34184, Start Num: 8
Candidate Starts for DrGrey_50:
(4, 33735), (5, 33744), (Start: 8 @34002 has 6 MA's), (Start: 10 @34032 has 16 MA's),

Gene: Esketit_51 Start: 33777, Stop: 33929, Start Num: 10
Candidate Starts for Esketit_51:
(1, 32898), (2, 33105), (3, 33435), (4, 33480), (5, 33489), (Start: 8 @33747 has 6 MA's), (Start: 10 @33777 has 16 MA's),

Gene: Espio_51 Start: 34427, Stop: 34579, Start Num: 10
Candidate Starts for Espio_51:
(4, 34130), (5, 34139), (Start: 8 @34397 has 6 MA's), (Start: 10 @34427 has 16 MA's),

Gene: FidgetOrca_51 Start: 33770, Stop: 33922, Start Num: 10
Candidate Starts for FidgetOrca_51:
(1, 32891), (2, 33098), (3, 33428), (4, 33473), (5, 33482), (Start: 8 @33740 has 6 MA's), (Start: 10 @33770 has 16 MA's),

Gene: FrodoSwaggins_51 Start: 34426, Stop: 34578, Start Num: 10
Candidate Starts for FrodoSwaggins_51:
(4, 34129), (5, 34138), (Start: 8 @34396 has 6 MA's), (Start: 10 @34426 has 16 MA's),

Gene: GirlPower_45 Start: 33947, Stop: 34174, Start Num: 6
Candidate Starts for GirlPower_45:
(Start: 6 @33947 has 1 MA's), (Start: 9 @34016 has 1 MA's),

Gene: HazuAndZazu_50 Start: 34022, Stop: 34180, Start Num: 9
Candidate Starts for HazuAndZazu_50:
(Start: 9 @34022 has 1 MA's),

Gene: Hoshi_50 Start: 33374, Stop: 33526, Start Num: 10
Candidate Starts for Hoshi_50:
(1, 32495), (2, 32702), (3, 33032), (4, 33077), (5, 33086), (Start: 8 @33344 has 6 MA's), (Start: 10 @33374 has 16 MA's),

Gene: IceWarrior_50 Start: 33456, Stop: 33608, Start Num: 10
Candidate Starts for IceWarrior_50:
(1, 32577), (2, 32784), (3, 33114), (4, 33159), (5, 33168), (Start: 8 @33426 has 6 MA's), (Start: 10 @33456 has 16 MA's),

Gene: Indigenous_51 Start: 33771, Stop: 33923, Start Num: 10
Candidate Starts for Indigenous_51:
(1, 32892), (2, 33099), (3, 33429), (4, 33474), (5, 33483), (Start: 8 @33741 has 6 MA's), (Start: 10 @33771 has 16 MA's),

Gene: Jaylociraptor_51 Start: 33740, Stop: 33922, Start Num: 8
Candidate Starts for Jaylociraptor_51:
(1, 32891), (2, 33098), (3, 33428), (4, 33473), (5, 33482), (Start: 8 @33740 has 6 MA's), (Start: 10 @33770 has 16 MA's),

Gene: Madamoto_52 Start: 33843, Stop: 33995, Start Num: 10

Candidate Starts for Madamoto_52:

(Start: 8 @33813 has 6 MA's), (Start: 10 @33843 has 16 MA's),

Gene: Maya_51 Start: 33784, Stop: 33936, Start Num: 10

Candidate Starts for Maya_51:

(1, 32905), (2, 33112), (3, 33442), (4, 33487), (5, 33496), (Start: 8 @33754 has 6 MA's), (Start: 10 @33784 has 16 MA's),

Gene: Meibysrarus_49 Start: 33147, Stop: 33299, Start Num: 10

Candidate Starts for Meibysrarus_49:

(1, 32268), (2, 32475), (3, 32805), (4, 32850), (5, 32859), (Start: 8 @33117 has 6 MA's), (Start: 10 @33147 has 16 MA's),

Gene: Namo_52 Start: 34115, Stop: 34267, Start Num: 10

Candidate Starts for Namo_52:

(1, 33236), (2, 33443), (3, 33773), (4, 33818), (5, 33827), (Start: 8 @34085 has 6 MA's), (Start: 10 @34115 has 16 MA's),

Gene: OlympicHelado_51 Start: 33798, Stop: 33950, Start Num: 10

Candidate Starts for OlympicHelado_51:

(1, 32919), (2, 33126), (3, 33456), (4, 33501), (5, 33510), (Start: 8 @33768 has 6 MA's), (Start: 10 @33798 has 16 MA's),

Gene: Popy_51 Start: 34426, Stop: 34578, Start Num: 10

Candidate Starts for Popy_51:

(4, 34129), (5, 34138), (Start: 8 @34396 has 6 MA's), (Start: 10 @34426 has 16 MA's),

Gene: Rima_52 Start: 34085, Stop: 34267, Start Num: 8

Candidate Starts for Rima_52:

(1, 33236), (2, 33443), (3, 33773), (4, 33818), (5, 33827), (Start: 8 @34085 has 6 MA's), (Start: 10 @34115 has 16 MA's),

Gene: Soshi_50 Start: 34015, Stop: 34197, Start Num: 8

Candidate Starts for Soshi_50:

(4, 33748), (5, 33757), (Start: 8 @34015 has 6 MA's), (Start: 10 @34045 has 16 MA's),

Gene: Spectropatronm_51 Start: 33777, Stop: 33929, Start Num: 10

Candidate Starts for Spectropatronm_51:

(1, 32898), (2, 33105), (3, 33435), (4, 33480), (5, 33489), (Start: 8 @33747 has 6 MA's), (Start: 10 @33777 has 16 MA's),

Gene: TaidaOne_51 Start: 34253, Stop: 34435, Start Num: 8

Candidate Starts for TaidaOne_51:

(4, 33986), (5, 33995), (Start: 8 @34253 has 6 MA's), (Start: 10 @34283 has 16 MA's),

Gene: TieDye_50 Start: 33341, Stop: 33523, Start Num: 8

Candidate Starts for TieDye_50:

(4, 33074), (5, 33083), (Start: 8 @33341 has 6 MA's), (Start: 10 @33371 has 16 MA's),

Gene: TonyStarch_50 Start: 33519, Stop: 33671, Start Num: 10

Candidate Starts for TonyStarch_50:

(4, 33222), (5, 33231), (Start: 8 @33489 has 6 MA's), (Start: 10 @33519 has 16 MA's),