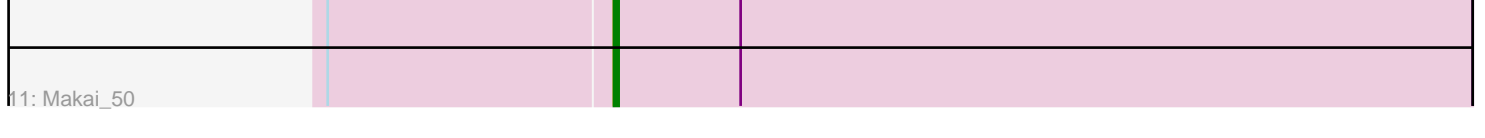
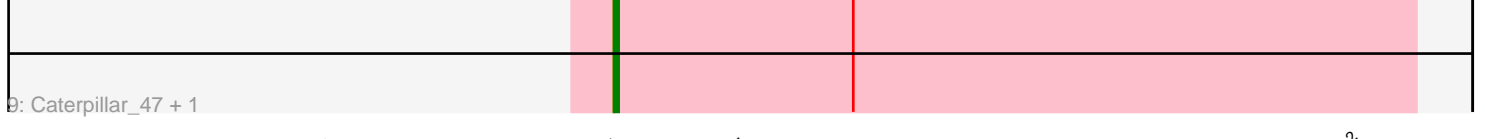
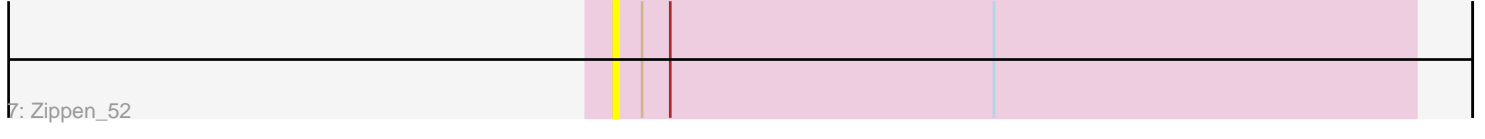
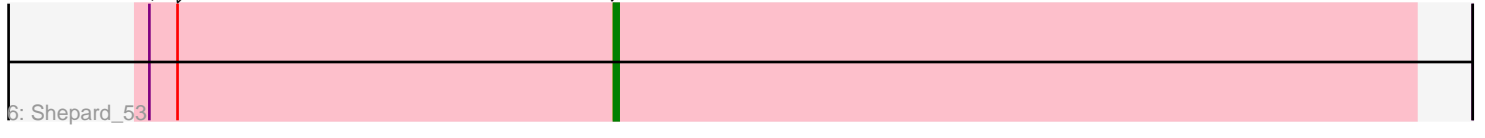
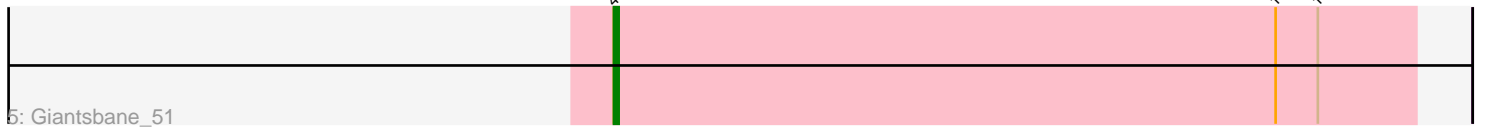
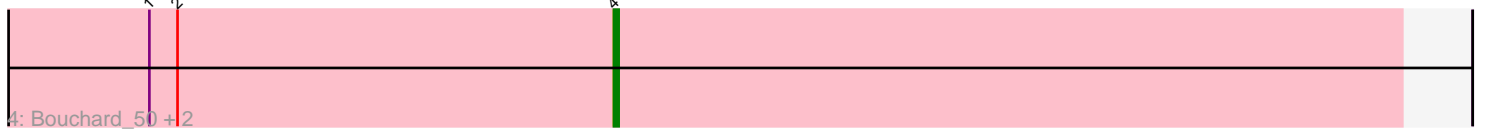
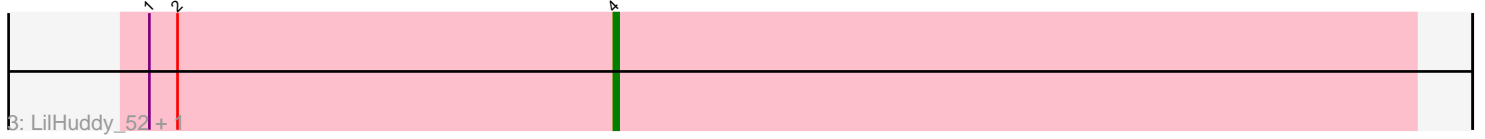
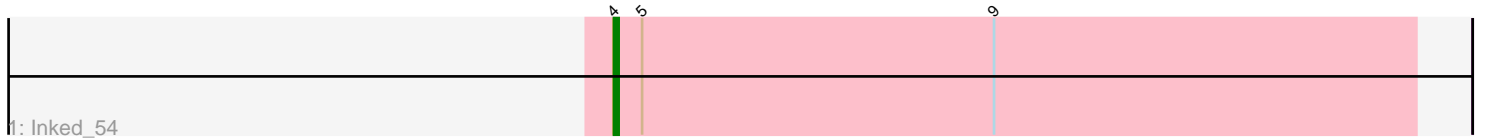


Pham 221631



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 221631 Report

This analysis was run 03/28/25 on database version 593.

Pham number 221631 has 34 members, 7 are drafts.

Phages represented in each track:

- Track 1 : Inked_54
- Track 2 : Teacup_51, DevitoJr_50, LucySwiss_51, Trustiboi_50, Issa_51, Nightmare_52, Breylor17_50, Nivinsha_52, Gordon_48, Darby_49, Niktson_50, ScienceWizSam_51, AreFloNak_53, ElephantMan_50, Brunswick_51, Synepsis_49, CapnMurica_48, Tenno_51, CastorTray_53, MiniBagel_50
- Track 3 : LilHuddy_52, Tokki_55
- Track 4 : Bouchard_50, Phaby_53, Chlochlo_49
- Track 5 : Giantsbane_51
- Track 6 : Shepard_53
- Track 7 : Zippen_52
- Track 8 : Ingrid_52
- Track 9 : Caterpillar_47, MediumFry_48
- Track 10 : Truckee_48
- Track 11 : Makai_50

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

The start number called the most often in the published annotations is 4, it was called in 27 of the 27 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AreFloNak_53, Bouchard_50, Breylor17_50, Brunswick_51, CapnMurica_48, CastorTray_53, Caterpillar_47, Chlochlo_49, Darby_49, DevitoJr_50, ElephantMan_50, Giantsbane_51, Gordon_48, Ingrid_52, Inked_54, Issa_51, LilHuddy_52, LucySwiss_51, Makai_50, MediumFry_48, MiniBagel_50, Nightmare_52, Niktson_50, Nivinsha_52, Phaby_53, ScienceWizSam_51, Shepard_53, Synepsis_49, Teacup_51, Tenno_51, Tokki_55, Truckee_48, Trustiboi_50, Zippen_52,

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

-

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

-

Summary by start number:

Start 4:

- Found in 34 of 34 (100.0%) of genes in pham
- Manual Annotations of this start: 27 of 27
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AreFloNak_53 (AU1), Bouchard_50 (AU2), Breylor17_50 (AU1), Brunswick_51 (AU1), CapnMurica_48 (AU1), CastorTray_53 (AU1), Caterpillar_47 (AU4), Chlochlo_49 (AU2), Darby_49 (AU1), DevitoJr_50 (AU1), ElephantMan_50 (AU1), Giantsbane_51 (AU2), Gordon_48 (AU1), Ingrid_52 (AU3), Inked_54 (AU), Issa_51 (AU1), LilHuddy_52 (AU2), LucySwiss_51 (AU1), Makai_50 (AU5), MediumFry_48 (AU4), MiniBagel_50 (AU1), Nightmare_52 (AU1), Niktson_50 (AU1), Nivinsha_52 (AU1), Phaby_53 (AU2), ScienceWizSam_51 (AU1), Shepard_53 (AU2), Synepsis_49 (AU1), Teacup_51 (AU1), Tenno_51 (AU1), Tokki_55 (AU2), Truckee_48 (AU5), Trustiboi_50 (AU1), Zippen_52 (AU3),

Summary by clusters:

There are 6 clusters represented in this pham: AU1, AU3, AU2, AU, AU4, AU5,

Info for manual annotations of cluster AU:

- Start number 4 was manually annotated 1 time for cluster AU.

Info for manual annotations of cluster AU1:

- Start number 4 was manually annotated 16 times for cluster AU1.

Info for manual annotations of cluster AU2:

- Start number 4 was manually annotated 5 times for cluster AU2.

Info for manual annotations of cluster AU3:

- Start number 4 was manually annotated 1 time for cluster AU3.

Info for manual annotations of cluster AU4:

- Start number 4 was manually annotated 2 times for cluster AU4.

Info for manual annotations of cluster AU5:

- Start number 4 was manually annotated 2 times for cluster AU5.

Gene Information:

Gene: AreFloNak_53 Start: 35628, Stop: 35798, Start Num: 4

Candidate Starts for AreFloNak_53:

(Start: 4 @35628 has 27 MA's),

Gene: Bouchard_50 Start: 35605, Stop: 35772, Start Num: 4

Candidate Starts for Bouchard_50:

(1, 35506), (2, 35512), (Start: 4 @35605 has 27 MA's),

Gene: Breylor17_50 Start: 36219, Stop: 36389, Start Num: 4

Candidate Starts for Breylor17_50:
(Start: 4 @36219 has 27 MA's),

Gene: Brunswick_51 Start: 35512, Stop: 35682, Start Num: 4
Candidate Starts for Brunswick_51:
(Start: 4 @35512 has 27 MA's),

Gene: CapnMurica_48 Start: 36412, Stop: 36582, Start Num: 4
Candidate Starts for CapnMurica_48:
(Start: 4 @36412 has 27 MA's),

Gene: CastorTray_53 Start: 36283, Stop: 36453, Start Num: 4
Candidate Starts for CastorTray_53:
(Start: 4 @36283 has 27 MA's),

Gene: Caterpillar_47 Start: 34682, Stop: 34852, Start Num: 4
Candidate Starts for Caterpillar_47:
(Start: 4 @34682 has 27 MA's), (8, 34733),

Gene: Chlochlo_49 Start: 35349, Stop: 35516, Start Num: 4
Candidate Starts for Chlochlo_49:
(1, 35250), (2, 35256), (Start: 4 @35349 has 27 MA's),

Gene: Darby_49 Start: 35457, Stop: 35627, Start Num: 4
Candidate Starts for Darby_49:
(Start: 4 @35457 has 27 MA's),

Gene: DevitoJr_50 Start: 35849, Stop: 36019, Start Num: 4
Candidate Starts for DevitoJr_50:
(Start: 4 @35849 has 27 MA's),

Gene: ElephantMan_50 Start: 36135, Stop: 36305, Start Num: 4
Candidate Starts for ElephantMan_50:
(Start: 4 @36135 has 27 MA's),

Gene: Giantsbane_51 Start: 34529, Stop: 34699, Start Num: 4
Candidate Starts for Giantsbane_51:
(Start: 4 @34529 has 27 MA's), (10, 34670), (11, 34679),

Gene: Gordon_48 Start: 36274, Stop: 36444, Start Num: 4
Candidate Starts for Gordon_48:
(Start: 4 @36274 has 27 MA's),

Gene: Ingrid_52 Start: 35475, Stop: 35645, Start Num: 4
Candidate Starts for Ingrid_52:
(Start: 4 @35475 has 27 MA's), (5, 35481),

Gene: Inked_54 Start: 36599, Stop: 36769, Start Num: 4
Candidate Starts for Inked_54:
(Start: 4 @36599 has 27 MA's), (5, 36605), (9, 36680),

Gene: Issa_51 Start: 35500, Stop: 35670, Start Num: 4
Candidate Starts for Issa_51:

(Start: 4 @35500 has 27 MA's),

Gene: LilHuddy_52 Start: 35722, Stop: 35892, Start Num: 4

Candidate Starts for LilHuddy_52:

(1, 35623), (2, 35629), (Start: 4 @35722 has 27 MA's),

Gene: LucySwiss_51 Start: 35302, Stop: 35472, Start Num: 4

Candidate Starts for LucySwiss_51:

(Start: 4 @35302 has 27 MA's),

Gene: Makai_50 Start: 35698, Stop: 35880, Start Num: 4

Candidate Starts for Makai_50:

(3, 35638), (Start: 4 @35698 has 27 MA's), (7, 35725),

Gene: MediumFry_48 Start: 34986, Stop: 35156, Start Num: 4

Candidate Starts for MediumFry_48:

(Start: 4 @34986 has 27 MA's), (8, 35037),

Gene: MiniBagel_50 Start: 36394, Stop: 36564, Start Num: 4

Candidate Starts for MiniBagel_50:

(Start: 4 @36394 has 27 MA's),

Gene: Nightmare_52 Start: 36691, Stop: 36861, Start Num: 4

Candidate Starts for Nightmare_52:

(Start: 4 @36691 has 27 MA's),

Gene: Niktson_50 Start: 36135, Stop: 36305, Start Num: 4

Candidate Starts for Niktson_50:

(Start: 4 @36135 has 27 MA's),

Gene: Nivinsha_52 Start: 35628, Stop: 35798, Start Num: 4

Candidate Starts for Nivinsha_52:

(Start: 4 @35628 has 27 MA's),

Gene: Phaby_53 Start: 36261, Stop: 36428, Start Num: 4

Candidate Starts for Phaby_53:

(1, 36162), (2, 36168), (Start: 4 @36261 has 27 MA's),

Gene: ScienceWizSam_51 Start: 35736, Stop: 35906, Start Num: 4

Candidate Starts for ScienceWizSam_51:

(Start: 4 @35736 has 27 MA's),

Gene: Shepard_53 Start: 35563, Stop: 35733, Start Num: 4

Candidate Starts for Shepard_53:

(1, 35464), (2, 35470), (Start: 4 @35563 has 27 MA's),

Gene: Synopsis_49 Start: 35804, Stop: 35974, Start Num: 4

Candidate Starts for Synopsis_49:

(Start: 4 @35804 has 27 MA's),

Gene: Teacup_51 Start: 36164, Stop: 36334, Start Num: 4

Candidate Starts for Teacup_51:

(Start: 4 @36164 has 27 MA's),

Gene: Tenno_51 Start: 36467, Stop: 36637, Start Num: 4
Candidate Starts for Tenno_51:
(Start: 4 @36467 has 27 MA's),

Gene: Tokki_55 Start: 35895, Stop: 36062, Start Num: 4
Candidate Starts for Tokki_55:
(1, 35796), (2, 35802), (Start: 4 @35895 has 27 MA's),

Gene: Truckee_48 Start: 35488, Stop: 35670, Start Num: 4
Candidate Starts for Truckee_48:
(3, 35428), (Start: 4 @35488 has 27 MA's), (7, 35515), (12, 35644),

Gene: Trustiboi_50 Start: 36005, Stop: 36175, Start Num: 4
Candidate Starts for Trustiboi_50:
(Start: 4 @36005 has 27 MA's),

Gene: Zippen_52 Start: 36299, Stop: 36469, Start Num: 4
Candidate Starts for Zippen_52:
(Start: 4 @36299 has 27 MA's), (5, 36305), (6, 36311), (9, 36380),