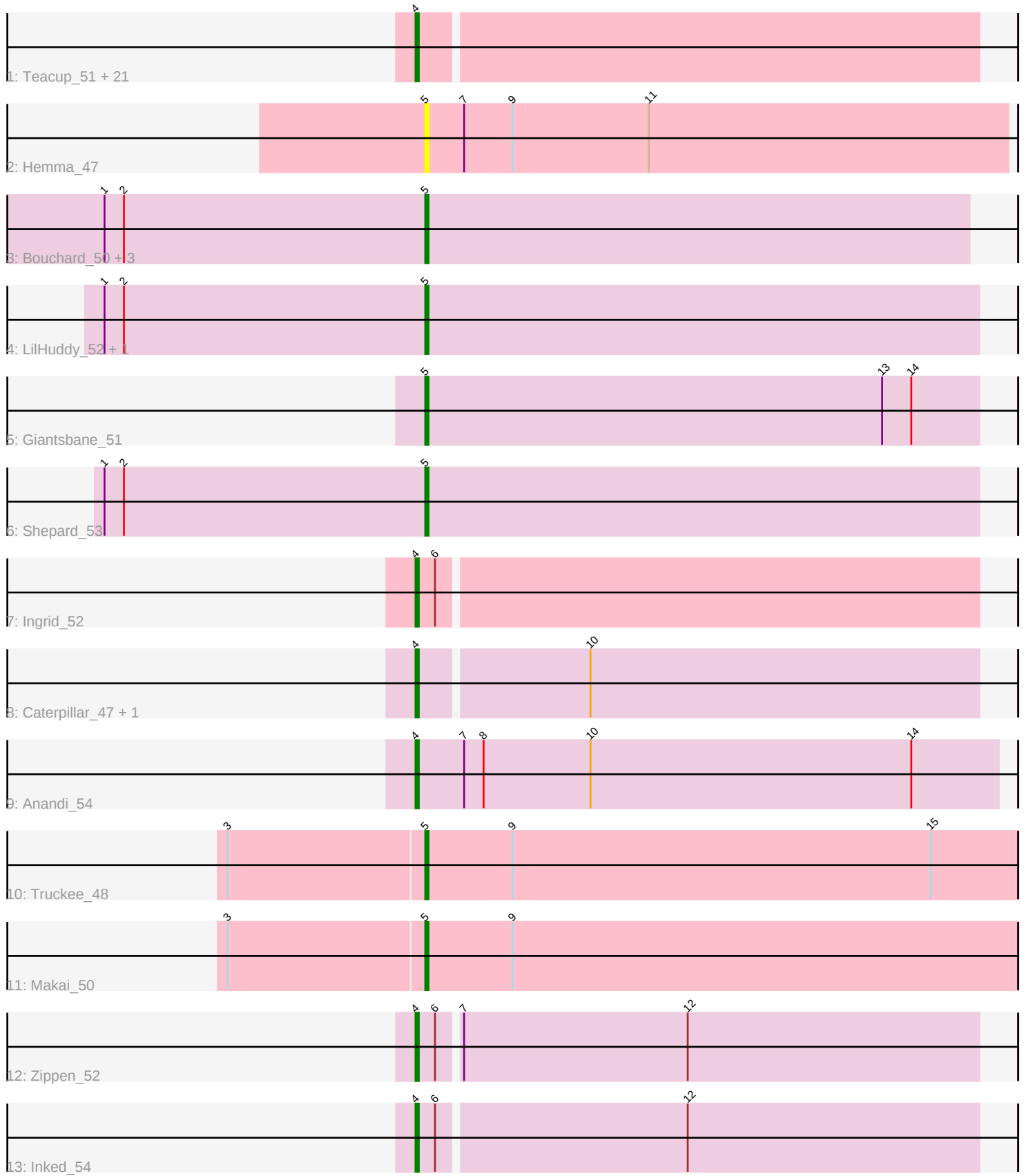


Pham 327083



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 327083 Report

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

Pham number 327083 has 39 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Teacup_51, Acai_50, DevitoJr_50, LucySwiss_50, Westerlin_49, Nightmare_52, Breylor17_50, Nivinsha_52, Gordon_48, Trustiboi_50, Darby_49, Niktson_50, ScienceWizSam_51, AreFloNak_53, ElephantMan_50, Brunswick_51, Issa_49, Synepsis_49, CapnMurica_48, Tenno_51, CastorTray_53, MiniBagel_50
- Track 2 : Hemma_47
- Track 3 : Bouchard_50, Chlochlo_51, Phaby_53, Tipton_53
- Track 4 : LilHuddy_52, Tokki_55
- Track 5 : Giantsbane_51
- Track 6 : Shepard_53
- Track 7 : Ingrid_52
- Track 8 : Caterpillar_47, MediumFry_48
- Track 9 : Anandi_54
- Track 10 : Truckee_48
- Track 11 : Makai_50
- Track 12 : Zippen_52
- Track 13 : Inked_54

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 25 of the 35 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Acai_50, Anandi_54, AreFloNak_53, Breylor17_50, Brunswick_51, CapnMurica_48, CastorTray_53, Caterpillar_47, Darby_49, DevitoJr_50, ElephantMan_50, Gordon_48, Ingrid_52, Inked_54, Issa_49, LucySwiss_50, MediumFry_48, MiniBagel_50, Nightmare_52, Niktson_50, Nivinsha_52, ScienceWizSam_51, Synepsis_49, Teacup_51, Tenno_51, Trustiboi_50, Westerlin_49, Zippen_52,

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

-

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

- Bouchard_50, Chlocho_51, Giantsbane_51, Hemma_47, LilHuddy_52, Makai_50, Phaby_53, Shepard_53, Tipton_53, Tokki_55, Truckee_48,

Summary by start number:

Start 4:

- Found in 28 of 39 (71.8%) of genes in pham
- Manual Annotations of this start: 25 of 35
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Acai_50 (AU1), Anandi_54 (AU4), AreFloNak_53 (AU1), Breylor17_50 (AU1), Brunswick_51 (AU1), CapnMurica_48 (AU1), CastorTray_53 (AU1), Caterpillar_47 (AU4), Darby_49 (AU1), DevitoJr_50 (AU1), ElephantMan_50 (AU1), Gordon_48 (AU1), Ingrid_52 (AU3), Inked_54 (AU7), Issa_49 (AU1), LucySwiss_50 (AU1), MediumFry_48 (AU4), MiniBagel_50 (AU1), Nightmare_52 (AU1), Niktson_50 (AU1), Nivinsha_52 (AU1), ScienceWizSam_51 (AU1), Synopsis_49 (AU1), Teacup_51 (AU1), Tenno_51 (AU1), Trustiboi_50 (AU1), Westerlin_49 (AU1), Zippen_52 (AU7),

Start 5:

- Found in 11 of 39 (28.2%) of genes in pham
- Manual Annotations of this start: 10 of 35
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bouchard_50 (AU2), Chlocho_51 (AU2), Giantsbane_51 (AU2), Hemma_47 (AU1), LilHuddy_52 (AU2), Makai_50 (AU5), Phaby_53 (AU2), Shepard_53 (AU2), Tipton_53 (AU2), Tokki_55 (AU2), Truckee_48 (AU5),

Summary by clusters:

There are 6 clusters represented in this pham: AU1, AU3, AU2, AU5, AU4, AU7,

Info for manual annotations of cluster AU1:

- Start number 4 was manually annotated 19 times for cluster AU1.

Info for manual annotations of cluster AU2:

- Start number 5 was manually annotated 8 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 3 times for cluster AU4.

Info for manual annotations of cluster AU5:

- Start number 5 was manually annotated 2 times for cluster AU5.

Info for manual annotations of cluster AU7:

- Start number 4 was manually annotated 2 times for cluster AU7.

Gene Information:

Gene: Acai_50 Start: 35658, Stop: 35828, Start Num: 4
Candidate Starts for Acai_50:
(Start: 4 @35658 has 25 MA's),

Gene: Anandi_54 Start: 35881, Stop: 36060, Start Num: 4
Candidate Starts for Anandi_54:
(Start: 4 @35881 has 25 MA's), (7, 35896), (8, 35902), (10, 35935), (14, 36034),

Gene: AreFloNak_53 Start: 35628, Stop: 35798, Start Num: 4
Candidate Starts for AreFloNak_53:
(Start: 4 @35628 has 25 MA's),

Gene: Bouchard_50 Start: 35605, Stop: 35772, Start Num: 5
Candidate Starts for Bouchard_50:
(1, 35506), (2, 35512), (Start: 5 @35605 has 10 MA's),

Gene: Breylor17_50 Start: 36219, Stop: 36389, Start Num: 4
Candidate Starts for Breylor17_50:
(Start: 4 @36219 has 25 MA's),

Gene: Brunswick_51 Start: 35512, Stop: 35682, Start Num: 4
Candidate Starts for Brunswick_51:
(Start: 4 @35512 has 25 MA's),

Gene: CapnMurica_48 Start: 36412, Stop: 36582, Start Num: 4
Candidate Starts for CapnMurica_48:
(Start: 4 @36412 has 25 MA's),

Gene: CastorTray_53 Start: 36283, Stop: 36453, Start Num: 4
Candidate Starts for CastorTray_53:
(Start: 4 @36283 has 25 MA's),

Gene: Caterpillar_47 Start: 34682, Stop: 34852, Start Num: 4
Candidate Starts for Caterpillar_47:
(Start: 4 @34682 has 25 MA's), (10, 34733),

Gene: Chlochlo_51 Start: 35349, Stop: 35516, Start Num: 5
Candidate Starts for Chlochlo_51:
(1, 35250), (2, 35256), (Start: 5 @35349 has 10 MA's),

Gene: Darby_49 Start: 35457, Stop: 35627, Start Num: 4
Candidate Starts for Darby_49:
(Start: 4 @35457 has 25 MA's),

Gene: DevitoJr_50 Start: 35849, Stop: 36019, Start Num: 4
Candidate Starts for DevitoJr_50:
(Start: 4 @35849 has 25 MA's),

Gene: ElephantMan_50 Start: 36135, Stop: 36305, Start Num: 4
Candidate Starts for ElephantMan_50:
(Start: 4 @36135 has 25 MA's),

Gene: Giantsbane_51 Start: 34529, Stop: 34699, Start Num: 5

Candidate Starts for Giantsbane_51:

(Start: 5 @34529 has 10 MA's), (13, 34670), (14, 34679),

Gene: Gordon_48 Start: 36274, Stop: 36444, Start Num: 4

Candidate Starts for Gordon_48:

(Start: 4 @36274 has 25 MA's),

Gene: Hemma_47 Start: 32471, Stop: 32650, Start Num: 5

Candidate Starts for Hemma_47:

(Start: 5 @32471 has 10 MA's), (7, 32483), (9, 32498), (11, 32540),

Gene: Ingrid_52 Start: 35475, Stop: 35645, Start Num: 4

Candidate Starts for Ingrid_52:

(Start: 4 @35475 has 25 MA's), (6, 35481),

Gene: Inked_54 Start: 36599, Stop: 36769, Start Num: 4

Candidate Starts for Inked_54:

(Start: 4 @36599 has 25 MA's), (6, 36605), (12, 36680),

Gene: Issa_49 Start: 35500, Stop: 35670, Start Num: 4

Candidate Starts for Issa_49:

(Start: 4 @35500 has 25 MA's),

Gene: LilHuddy_52 Start: 35722, Stop: 35892, Start Num: 5

Candidate Starts for LilHuddy_52:

(1, 35623), (2, 35629), (Start: 5 @35722 has 10 MA's),

Gene: LucySwiss_50 Start: 35302, Stop: 35472, Start Num: 4

Candidate Starts for LucySwiss_50:

(Start: 4 @35302 has 25 MA's),

Gene: Makai_50 Start: 35698, Stop: 35880, Start Num: 5

Candidate Starts for Makai_50:

(3, 35638), (Start: 5 @35698 has 10 MA's), (9, 35725),

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

Candidate Starts for MediumFry_48:

(Start: 4 @34986 has 25 MA's), (10, 35037),

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

Candidate Starts for MiniBagel_50:

(Start: 4 @36394 has 25 MA's),

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

Candidate Starts for Nightmare_52:

(Start: 4 @36691 has 25 MA's),

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

Candidate Starts for Niktson_50:

(Start: 4 @36135 has 25 MA's),

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

Candidate Starts for Nivinsha_52:

(Start: 4 @35628 has 25 MA's),

Gene: Phaby_53 Start: 36261, Stop: 36428, Start Num: 5

Candidate Starts for Phaby_53:

(1, 36162), (2, 36168), (Start: 5 @36261 has 10 MA's),

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

Candidate Starts for ScienceWizSam_51:

(Start: 4 @35736 has 25 MA's),

Gene: Shepard_53 Start: 35563, Stop: 35733, Start Num: 5

Candidate Starts for Shepard_53:

(1, 35464), (2, 35470), (Start: 5 @35563 has 10 MA's),

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

Candidate Starts for Synopsis_49:

(Start: 4 @35804 has 25 MA's),

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

Candidate Starts for Teacup_51:

(Start: 4 @36164 has 25 MA's),

Gene: Tenno_51 Start: 36467, Stop: 36637, Start Num: 4

Candidate Starts for Tenno_51:

(Start: 4 @36467 has 25 MA's),

Gene: Tipton_53 Start: 36008, Stop: 36175, Start Num: 5

Candidate Starts for Tipton_53:

(1, 35909), (2, 35915), (Start: 5 @36008 has 10 MA's),

Gene: Tokki_55 Start: 35895, Stop: 36062, Start Num: 5

Candidate Starts for Tokki_55:

(1, 35796), (2, 35802), (Start: 5 @35895 has 10 MA's),

Gene: Truckee_48 Start: 35488, Stop: 35670, Start Num: 5

Candidate Starts for Truckee_48:

(3, 35428), (Start: 5 @35488 has 10 MA's), (9, 35515), (15, 35644),

Gene: Trustiboi_50 Start: 36005, Stop: 36175, Start Num: 4

Candidate Starts for Trustiboi_50:

(Start: 4 @36005 has 25 MA's),

Gene: Westerlin_49 Start: 37018, Stop: 37188, Start Num: 4

Candidate Starts for Westerlin_49:

(Start: 4 @37018 has 25 MA's),

Gene: Zippen_52 Start: 36299, Stop: 36469, Start Num: 4

Candidate Starts for Zippen_52:

(Start: 4 @36299 has 25 MA's), (6, 36305), (7, 36311), (12, 36380),