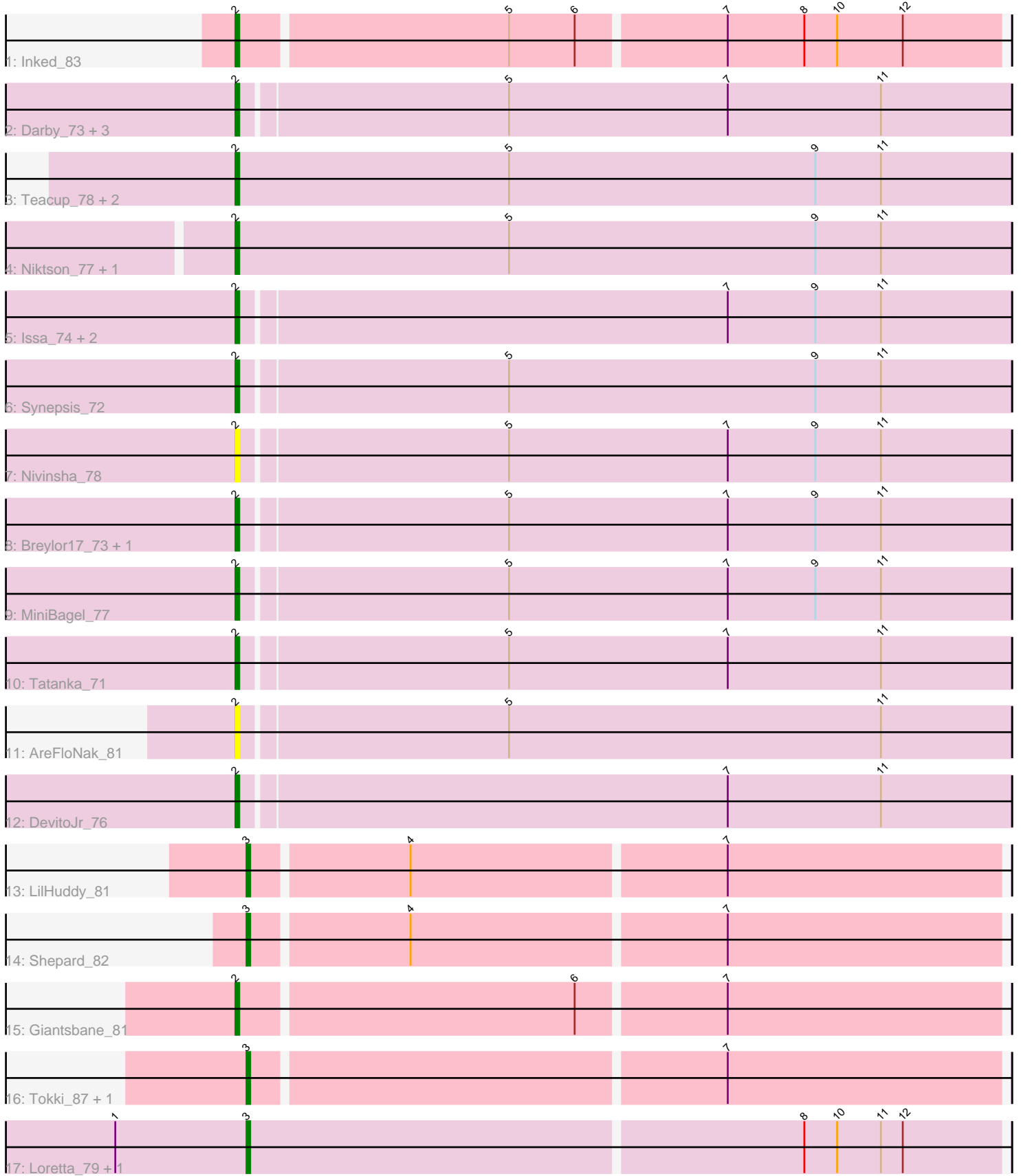


Pham 171698



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 171698 Report

This analysis was run 07/10/24 on database version 566.

Pham number 171698 has 28 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Inked_83
- Track 2 : Darby_73, ScienceWizSam_78, Gordon_73, CastorTray_79
- Track 3 : Teacup_78, Brunswick_78, Nightmare_78
- Track 4 : Niktson_77, ElephantMan_77
- Track 5 : Issa_74, CapnMurica_73, Tenno_76
- Track 6 : Synopsis_72
- Track 7 : Nivinsha_78
- Track 8 : Breylor17_73, Trustiboi_75
- Track 9 : MiniBagel_77
- Track 10 : Tatanka_71
- Track 11 : AreFloNak_81
- Track 12 : DevitoJr_76
- Track 13 : LilHuddy_81
- Track 14 : Shepard_82
- Track 15 : Giantsbane_81
- Track 16 : Tokki_87, Phaby_82
- Track 17 : Loretta_79, Ingrid_83

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

The start number called the most often in the published annotations is 2, it was called in 19 of the 24 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AreFloNak_81, Breylor17_73, Brunswick_78, CapnMurica_73, CastorTray_79, Darby_73, DevitoJr_76, ElephantMan_77, Giantsbane_81, Gordon_73, Inked_83, Issa_74, MiniBagel_77, Nightmare_78, Niktson_77, Nivinsha_78, ScienceWizSam_78, Synopsis_72, Tatanka_71, Teacup_78, Tenno_76, Trustiboi_75,

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

-

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

- Ingrid_83, LilHuddy_81, Loretta_79, Phaby_82, Shepard_82, Tokki_87,

Summary by start number:

Start 2:

- Found in 22 of 28 (78.6%) of genes in pham
- Manual Annotations of this start: 19 of 24
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AreFloNak_81 (AU1), Breylor17_73 (AU1), Brunswick_78 (AU1), CapnMurica_73 (AU1), CastorTray_79 (AU1), Darby_73 (AU1), DevitoJr_76 (AU1), ElephantMan_77 (AU1), Giantsbane_81 (AU2), Gordon_73 (AU1), Inked_83 (AU), Issa_74 (AU1), MiniBagel_77 (AU1), Nightmare_78 (AU1), Niktson_77 (AU1), Nivinsha_78 (AU1), ScienceWizSam_78 (AU1), Synopsis_72 (AU1), Tatanka_71 (AU1), Teacup_78 (AU1), Tenno_76 (AU1), Trustiboi_75 (AU1),

Start 3:

- Found in 6 of 28 (21.4%) of genes in pham
- Manual Annotations of this start: 5 of 24
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ingrid_83 (AU3), LilHuddy_81 (AU2), Loretta_79 (AU3), Phaby_82 (AU2), Shepard_82 (AU2), Tokki_87 (AU2),

Summary by clusters:

There are 4 clusters represented in this pham: AU1, AU3, AU2, AU,

Info for manual annotations of cluster AU:

- Start number 2 was manually annotated 1 time for cluster AU.

Info for manual annotations of cluster AU1:

- Start number 2 was manually annotated 17 times for cluster AU1.

Info for manual annotations of cluster AU2:

- Start number 2 was manually annotated 1 time for cluster AU2.
- Start number 3 was manually annotated 3 times for cluster AU2.

Info for manual annotations of cluster AU3:

- Start number 3 was manually annotated 2 times for cluster AU3.

Gene Information:

Gene: AreFloNak_81 Start: 50522, Stop: 50731, Start Num: 2

Candidate Starts for AreFloNak_81:

(Start: 2 @50522 has 19 MA's), (5, 50594), (11, 50696),

Gene: Breylor17_73 Start: 50912, Stop: 51121, Start Num: 2

Candidate Starts for Breylor17_73:

(Start: 2 @50912 has 19 MA's), (5, 50984), (7, 51044), (9, 51068), (11, 51086),

Gene: Brunswick_78 Start: 50656, Stop: 50868, Start Num: 2

Candidate Starts for Brunswick_78:

(Start: 2 @50656 has 19 MA's), (5, 50731), (9, 50815), (11, 50833),

Gene: CapnMurica_73 Start: 50988, Stop: 51197, Start Num: 2

Candidate Starts for CapnMurica_73:

(Start: 2 @50988 has 19 MA's), (7, 51120), (9, 51144), (11, 51162),

Gene: CastorTray_79 Start: 51040, Stop: 51249, Start Num: 2

Candidate Starts for CastorTray_79:

(Start: 2 @51040 has 19 MA's), (5, 51112), (7, 51172), (11, 51214),

Gene: Darby_73 Start: 50086, Stop: 50295, Start Num: 2

Candidate Starts for Darby_73:

(Start: 2 @50086 has 19 MA's), (5, 50158), (7, 50218), (11, 50260),

Gene: DevitoJr_76 Start: 50468, Stop: 50677, Start Num: 2

Candidate Starts for DevitoJr_76:

(Start: 2 @50468 has 19 MA's), (7, 50600), (11, 50642),

Gene: ElephantMan_77 Start: 51249, Stop: 51461, Start Num: 2

Candidate Starts for ElephantMan_77:

(Start: 2 @51249 has 19 MA's), (5, 51324), (9, 51408), (11, 51426),

Gene: Giantsbane_81 Start: 49891, Stop: 50094, Start Num: 2

Candidate Starts for Giantsbane_81:

(Start: 2 @49891 has 19 MA's), (6, 49981), (7, 50020),

Gene: Gordon_73 Start: 50882, Stop: 51091, Start Num: 2

Candidate Starts for Gordon_73:

(Start: 2 @50882 has 19 MA's), (5, 50954), (7, 51014), (11, 51056),

Gene: Ingrid_83 Start: 50857, Stop: 51060, Start Num: 3

Candidate Starts for Ingrid_83:

(1, 50821), (Start: 3 @50857 has 5 MA's), (8, 51007), (10, 51016), (11, 51028), (12, 51034),

Gene: Inked_83 Start: 51558, Stop: 51761, Start Num: 2

Candidate Starts for Inked_83:

(Start: 2 @51558 has 19 MA's), (5, 51630), (6, 51648), (7, 51687), (8, 51708), (10, 51717), (12, 51735),

Gene: Issa_74 Start: 50059, Stop: 50268, Start Num: 2

Candidate Starts for Issa_74:

(Start: 2 @50059 has 19 MA's), (7, 50191), (9, 50215), (11, 50233),

Gene: LilHuddy_81 Start: 51056, Stop: 51256, Start Num: 3

Candidate Starts for LilHuddy_81:

(Start: 3 @51056 has 5 MA's), (4, 51098), (7, 51182),

Gene: Loretta_79 Start: 50857, Stop: 51060, Start Num: 3

Candidate Starts for Loretta_79:

(1, 50821), (Start: 3 @50857 has 5 MA's), (8, 51007), (10, 51016), (11, 51028), (12, 51034),

Gene: MiniBagel_77 Start: 50992, Stop: 51201, Start Num: 2

Candidate Starts for MiniBagel_77:

(Start: 2 @50992 has 19 MA's), (5, 51064), (7, 51124), (9, 51148), (11, 51166),

Gene: Nightmare_78 Start: 51419, Stop: 51631, Start Num: 2

Candidate Starts for Nightmare_78:

(Start: 2 @51419 has 19 MA's), (5, 51494), (9, 51578), (11, 51596),

Gene: Niktson_77 Start: 51249, Stop: 51461, Start Num: 2

Candidate Starts for Niktson_77:

(Start: 2 @51249 has 19 MA's), (5, 51324), (9, 51408), (11, 51426),

Gene: Nivinsha_78 Start: 50523, Stop: 50732, Start Num: 2

Candidate Starts for Nivinsha_78:

(Start: 2 @50523 has 19 MA's), (5, 50595), (7, 50655), (9, 50679), (11, 50697),

Gene: Phaby_82 Start: 51533, Stop: 51733, Start Num: 3

Candidate Starts for Phaby_82:

(Start: 3 @51533 has 5 MA's), (7, 51659),

Gene: ScienceWizSam_78 Start: 50641, Stop: 50850, Start Num: 2

Candidate Starts for ScienceWizSam_78:

(Start: 2 @50641 has 19 MA's), (5, 50713), (7, 50773), (11, 50815),

Gene: Shepard_82 Start: 50925, Stop: 51125, Start Num: 3

Candidate Starts for Shepard_82:

(Start: 3 @50925 has 5 MA's), (4, 50967), (7, 51051),

Gene: Synopsis_72 Start: 50449, Stop: 50658, Start Num: 2

Candidate Starts for Synopsis_72:

(Start: 2 @50449 has 19 MA's), (5, 50521), (9, 50605), (11, 50623),

Gene: Tatanka_71 Start: 50627, Stop: 50836, Start Num: 2

Candidate Starts for Tatanka_71:

(Start: 2 @50627 has 19 MA's), (5, 50699), (7, 50759), (11, 50801),

Gene: Teacup_78 Start: 51310, Stop: 51522, Start Num: 2

Candidate Starts for Teacup_78:

(Start: 2 @51310 has 19 MA's), (5, 51385), (9, 51469), (11, 51487),

Gene: Tenno_76 Start: 51025, Stop: 51234, Start Num: 2

Candidate Starts for Tenno_76:

(Start: 2 @51025 has 19 MA's), (7, 51157), (9, 51181), (11, 51199),

Gene: Tokki_87 Start: 51338, Stop: 51538, Start Num: 3

Candidate Starts for Tokki_87:

(Start: 3 @51338 has 5 MA's), (7, 51464),

Gene: Trustiboi_75 Start: 50730, Stop: 50939, Start Num: 2

Candidate Starts for Trustiboi_75:

(Start: 2 @50730 has 19 MA's), (5, 50802), (7, 50862), (9, 50886), (11, 50904),