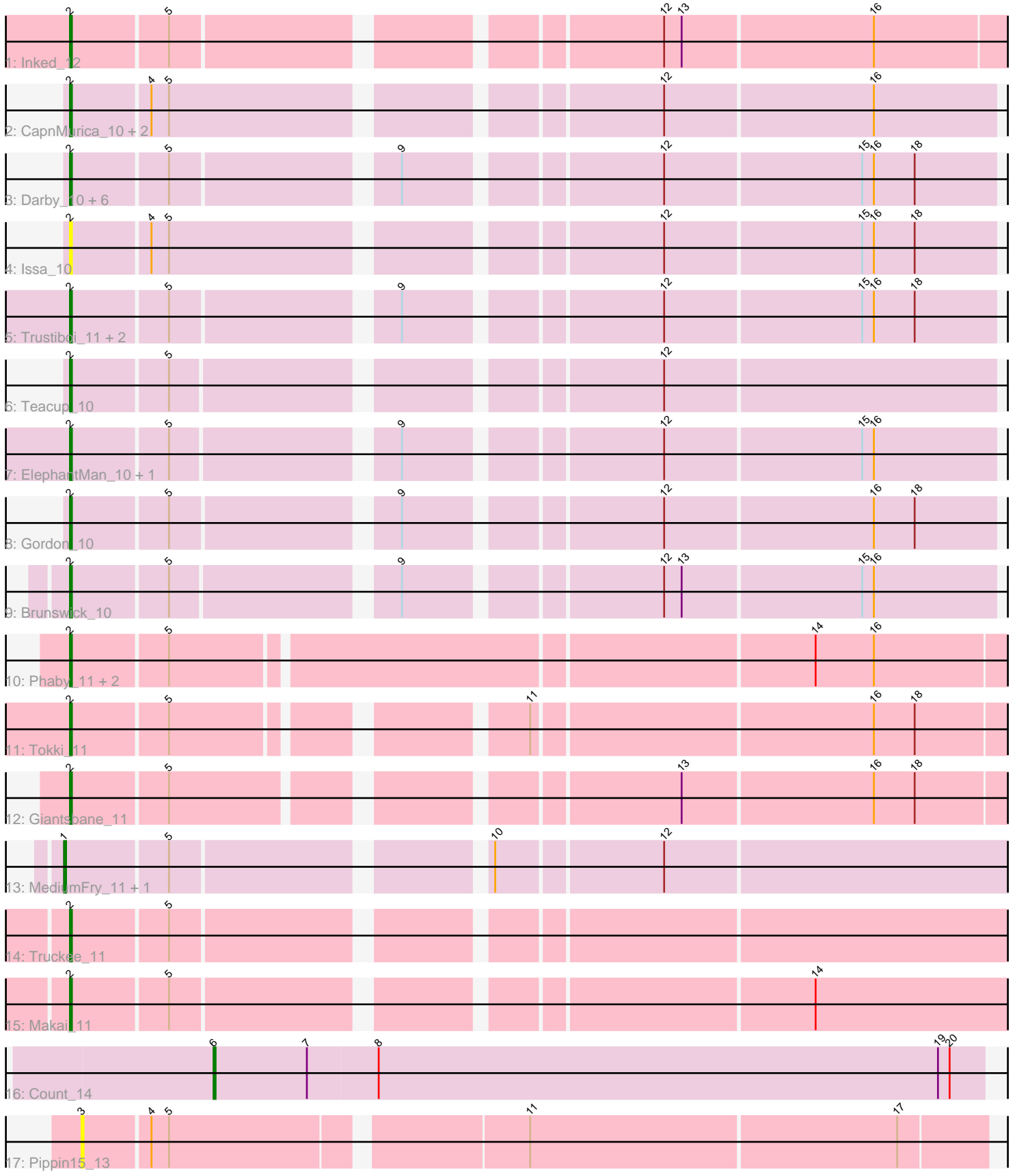


Pham 179311



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 179311 Report

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

Pham number 179311 has 31 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Inked_12
- Track 2 : CapnMurica_10, MiniBagel_10, Tenno_11
- Track 3 : Darby_10, DevitoJr_10, Nivinsha_10, AreFloNak_10, Tatanka_9, Synepsis_9, ScienceWizSam_11
- Track 4 : Issa_10
- Track 5 : Trustiboi_11, Breylor17_11, CastorTray_12
- Track 6 : Teacup_10
- Track 7 : ElephantMan_10, Niktson_10
- Track 8 : Gordon_10
- Track 9 : Brunswick_10
- Track 10 : Phaby_11, LilHuddy_11, Shepard_11
- Track 11 : Tokki_11
- Track 12 : Giantsbane_11
- Track 13 : MediumFry_11, Caterpillar_11
- Track 14 : Truckee_11
- Track 15 : Makai_11
- Track 16 : Count_14
- Track 17 : Pippin15_13

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 24 of the 27 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AreFloNak_10, Breylor17_11, Brunswick_10, CapnMurica_10, CastorTray_12, Darby_10, DevitoJr_10, ElephantMan_10, Giantsbane_11, Gordon_10, Inked_12, Issa_10, LilHuddy_11, Makai_11, MiniBagel_10, Niktson_10, Nivinsha_10, Phaby_11, ScienceWizSam_11, Shepard_11, Synepsis_9, Tatanka_9, Teacup_10, Tenno_11, Tokki_11, Truckee_11, Trustiboi_11,

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

-

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

- Caterpillar_11, Count_14, MediumFry_11, Pippin15_13,

Summary by start number:

Start 1:

- Found in 2 of 31 (6.5%) of genes in pham
- Manual Annotations of this start: 2 of 27
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Caterpillar_11 (AU4), MediumFry_11 (AU4),

Start 2:

- Found in 27 of 31 (87.1%) of genes in pham
- Manual Annotations of this start: 24 of 27
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AreFloNak_10 (AU1), Breylor17_11 (AU1), Brunswick_10 (AU1), CapnMurica_10 (AU1), CastorTray_12 (AU1), Darby_10 (AU1), DevitoJr_10 (AU1), ElephantMan_10 (AU1), Giantsbane_11 (AU2), Gordon_10 (AU1), Inked_12 (AU), Issa_10 (AU1), LilHuddy_11 (AU2), Makai_11 (AU5), MiniBagel_10 (AU1), Niktson_10 (AU1), Nivinsha_10 (AU1), Phaby_11 (AU2), ScienceWizSam_11 (AU1), Shepard_11 (AU2), Synopsis_9 (AU1), Tatanka_9 (AU1), Teacup_10 (AU1), Tenno_11 (AU1), Tokki_11 (AU2), Truckee_11 (AU5), Trustiboi_11 (AU1),

Start 3:

- Found in 1 of 31 (3.2%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Pippin15_13 (JA),

Start 6:

- Found in 1 of 31 (3.2%) of genes in pham
- Manual Annotations of this start: 1 of 27
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Count_14 (EL),

Summary by clusters:

There are 7 clusters represented in this pham: EL, AU1, AU2, AU5, AU4, AU, JA,

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 16 times for cluster AU1.

Info for manual annotations of cluster AU2:

- Start number 2 was manually annotated 5 times for cluster AU2.

Info for manual annotations of cluster AU4:

- Start number 1 was manually annotated 2 times for cluster AU4.

Info for manual annotations of cluster AU5:

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

Info for manual annotations of cluster EL:

- Start number 6 was manually annotated 1 time for cluster EL.

Gene Information:

Gene: AreFloNak_10 Start: 6760, Stop: 7200, Start Num: 2

Candidate Starts for AreFloNak_10:

(Start: 2 @6760 has 24 MA's), (5, 6808), (9, 6913), (12, 7033), (15, 7132), (16, 7138), (18, 7159),

Gene: Breylor17_11 Start: 7428, Stop: 7868, Start Num: 2

Candidate Starts for Breylor17_11:

(Start: 2 @7428 has 24 MA's), (5, 7476), (9, 7581), (12, 7701), (15, 7800), (16, 7806), (18, 7827),

Gene: Brunswick_10 Start: 6872, Stop: 7312, Start Num: 2

Candidate Starts for Brunswick_10:

(Start: 2 @6872 has 24 MA's), (5, 6920), (9, 7025), (12, 7145), (13, 7154), (15, 7244), (16, 7250),

Gene: CapnMurica_10 Start: 7969, Stop: 8412, Start Num: 2

Candidate Starts for CapnMurica_10:

(Start: 2 @7969 has 24 MA's), (4, 8008), (5, 8017), (12, 8245), (16, 8350),

Gene: CastorTray_12 Start: 7282, Stop: 7719, Start Num: 2

Candidate Starts for CastorTray_12:

(Start: 2 @7282 has 24 MA's), (5, 7330), (9, 7432), (12, 7552), (15, 7651), (16, 7657), (18, 7678),

Gene: Caterpillar_11 Start: 6974, Stop: 7426, Start Num: 1

Candidate Starts for Caterpillar_11:

(Start: 1 @6974 has 2 MA's), (5, 7025), (10, 7169), (12, 7250),

Gene: Count_14 Start: 7642, Stop: 8037, Start Num: 6

Candidate Starts for Count_14:

(Start: 6 @7642 has 1 MA's), (7, 7690), (8, 7726), (19, 8014), (20, 8020),

Gene: Darby_10 Start: 6742, Stop: 7182, Start Num: 2

Candidate Starts for Darby_10:

(Start: 2 @6742 has 24 MA's), (5, 6790), (9, 6895), (12, 7015), (15, 7114), (16, 7120), (18, 7141),

Gene: DevitoJr_10 Start: 6884, Stop: 7324, Start Num: 2

Candidate Starts for DevitoJr_10:

(Start: 2 @6884 has 24 MA's), (5, 6932), (9, 7037), (12, 7157), (15, 7256), (16, 7262), (18, 7283),

Gene: ElephantMan_10 Start: 7443, Stop: 7883, Start Num: 2

Candidate Starts for ElephantMan_10:

(Start: 2 @7443 has 24 MA's), (5, 7491), (9, 7596), (12, 7716), (15, 7815), (16, 7821),

Gene: Giantsbane_11 Start: 7271, Stop: 7720, Start Num: 2

Candidate Starts for Giantsbane_11:

(Start: 2 @7271 has 24 MA's), (5, 7319), (13, 7550), (16, 7646), (18, 7667),

Gene: Gordon_10 Start: 8008, Stop: 8448, Start Num: 2

Candidate Starts for Gordon_10:

(Start: 2 @8008 has 24 MA's), (5, 8056), (9, 8161), (12, 8281), (16, 8386), (18, 8407),

Gene: Inked_12 Start: 7488, Stop: 7943, Start Num: 2

Candidate Starts for Inked_12:

(Start: 2 @7488 has 24 MA's), (5, 7536), (12, 7761), (13, 7770), (16, 7866),

Gene: Issa_10 Start: 6715, Stop: 7158, Start Num: 2

Candidate Starts for Issa_10:

(Start: 2 @6715 has 24 MA's), (4, 6754), (5, 6763), (12, 6991), (15, 7090), (16, 7096), (18, 7117),

Gene: LilHuddy_11 Start: 7265, Stop: 7738, Start Num: 2

Candidate Starts for LilHuddy_11:

(Start: 2 @7265 has 24 MA's), (5, 7313), (14, 7631), (16, 7661),

Gene: Makai_11 Start: 7402, Stop: 7851, Start Num: 2

Candidate Starts for Makai_11:

(Start: 2 @7402 has 24 MA's), (5, 7450), (14, 7750),

Gene: MediumFry_11 Start: 7003, Stop: 7455, Start Num: 1

Candidate Starts for MediumFry_11:

(Start: 1 @7003 has 2 MA's), (5, 7054), (10, 7198), (12, 7279),

Gene: MiniBagel_10 Start: 7960, Stop: 8403, Start Num: 2

Candidate Starts for MiniBagel_10:

(Start: 2 @7960 has 24 MA's), (4, 7999), (5, 8008), (12, 8236), (16, 8341),

Gene: Niktson_10 Start: 7443, Stop: 7883, Start Num: 2

Candidate Starts for Niktson_10:

(Start: 2 @7443 has 24 MA's), (5, 7491), (9, 7596), (12, 7716), (15, 7815), (16, 7821),

Gene: Nivinsha_10 Start: 6760, Stop: 7200, Start Num: 2

Candidate Starts for Nivinsha_10:

(Start: 2 @6760 has 24 MA's), (5, 6808), (9, 6913), (12, 7033), (15, 7132), (16, 7138), (18, 7159),

Gene: Phaby_11 Start: 7255, Stop: 7725, Start Num: 2

Candidate Starts for Phaby_11:

(Start: 2 @7255 has 24 MA's), (5, 7303), (14, 7618), (16, 7648),

Gene: Pippin15_13 Start: 9246, Stop: 9689, Start Num: 3

Candidate Starts for Pippin15_13:

(3, 9246), (4, 9279), (5, 9288), (11, 9459), (17, 9645),

Gene: ScienceWizSam_11 Start: 6715, Stop: 7155, Start Num: 2

Candidate Starts for ScienceWizSam_11:

(Start: 2 @6715 has 24 MA's), (5, 6763), (9, 6868), (12, 6988), (15, 7087), (16, 7093), (18, 7114),

Gene: Shepard_11 Start: 7265, Stop: 7735, Start Num: 2

Candidate Starts for Shepard_11:

(Start: 2 @7265 has 24 MA's), (5, 7313), (14, 7628), (16, 7658),

Gene: Synopsis_9 Start: 6880, Stop: 7320, Start Num: 2

Candidate Starts for Synopsis_9:

(Start: 2 @6880 has 24 MA's), (5, 6928), (9, 7033), (12, 7153), (15, 7252), (16, 7258), (18, 7279),

Gene: Tatanka_9 Start: 6820, Stop: 7260, Start Num: 2

Candidate Starts for Tatanka_9:

(Start: 2 @6820 has 24 MA's), (5, 6868), (9, 6973), (12, 7093), (15, 7192), (16, 7198), (18, 7219),

Gene: Teacup_10 Start: 6718, Stop: 7158, Start Num: 2

Candidate Starts for Teacup_10:

(Start: 2 @6718 has 24 MA's), (5, 6766), (12, 6991),

Gene: Tenno_11 Start: 7969, Stop: 8412, Start Num: 2

Candidate Starts for Tenno_11:

(Start: 2 @7969 has 24 MA's), (4, 8008), (5, 8017), (12, 8245), (16, 8350),

Gene: Tokki_11 Start: 7327, Stop: 7773, Start Num: 2

Candidate Starts for Tokki_11:

(Start: 2 @7327 has 24 MA's), (5, 7375), (11, 7531), (16, 7699), (18, 7720),

Gene: Truckee_11 Start: 7349, Stop: 7798, Start Num: 2

Candidate Starts for Truckee_11:

(Start: 2 @7349 has 24 MA's), (5, 7397),

Gene: Trustiboi_11 Start: 7447, Stop: 7887, Start Num: 2

Candidate Starts for Trustiboi_11:

(Start: 2 @7447 has 24 MA's), (5, 7495), (9, 7600), (12, 7720), (15, 7819), (16, 7825), (18, 7846),