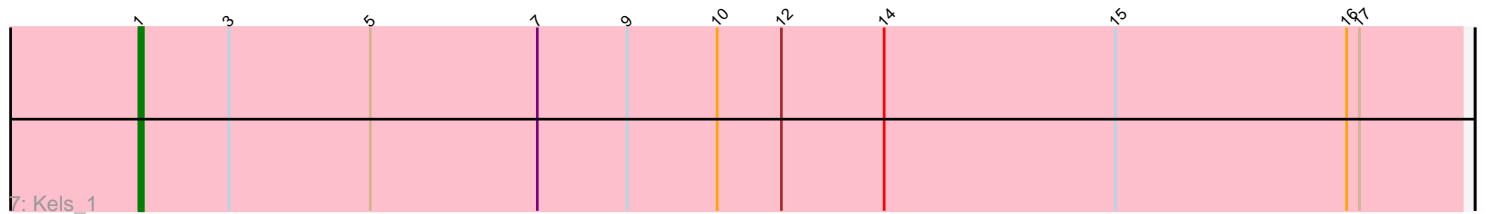
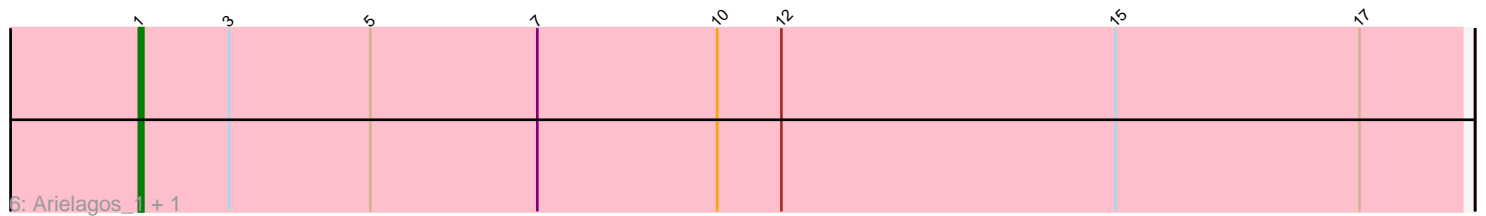
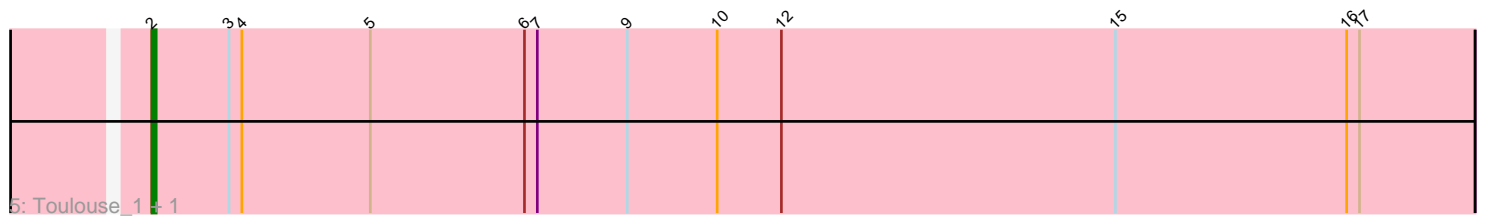
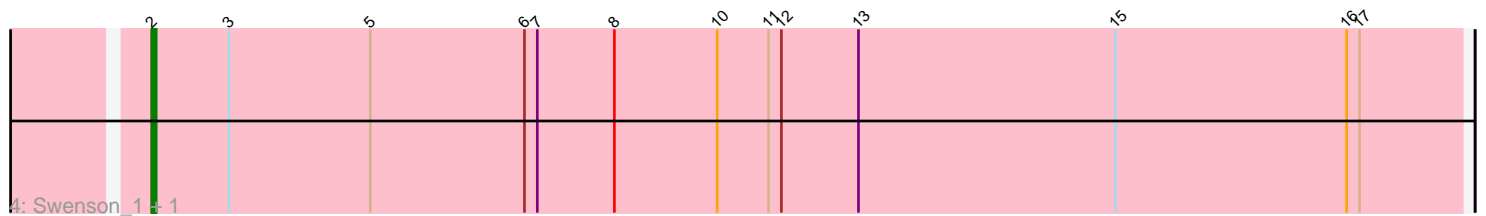
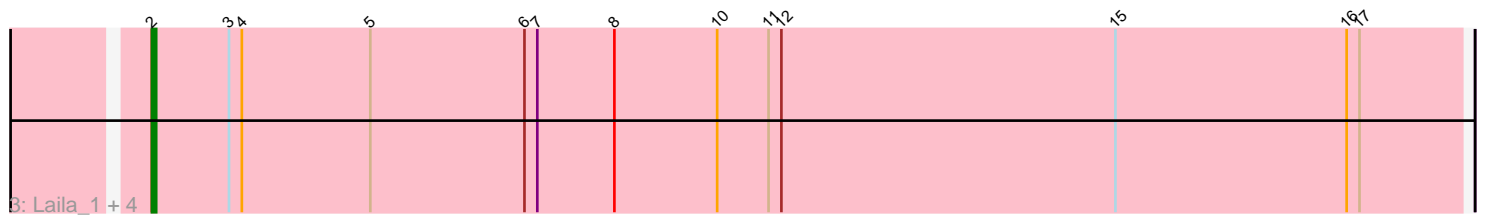
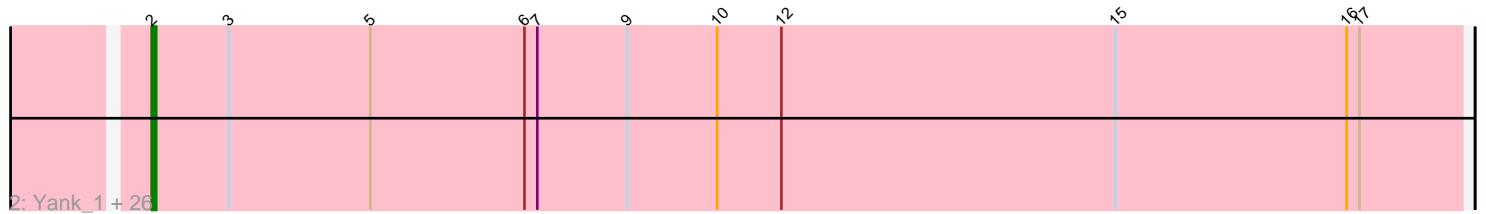
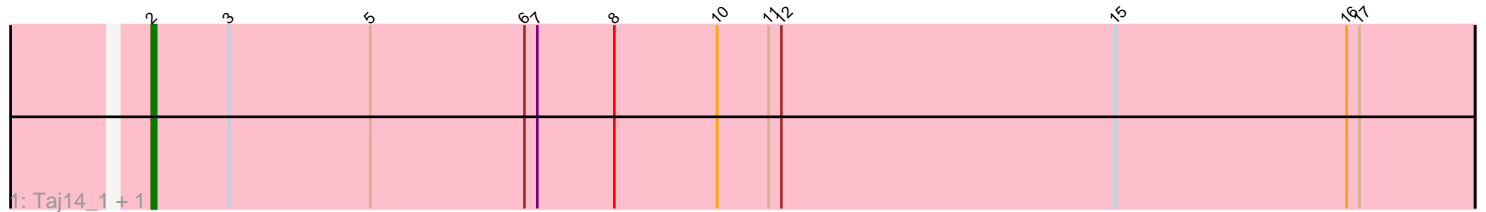


Pham 2162



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 2162 Report

This analysis was run 04/28/24 on database version 559.

Pham number 2162 has 41 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Taj14_1, KylieMac_1
- Track 2 : Yank_1, Guntur_1, Inspire2_1, Jessica_1, Massimo_1, LouisXIV_1, Sandman_1, TinoCrisci_1, Muttie_1, Moloch_1, CGermain_1, TymAbreu_1, Courtney3_1, Hunnie_1, Ronnie_1, Maggie_1, Chestnut_1, Arby_1, Stratus_1, Azathoth_1, Link_1, Dewayne_1, Prospero_1, Copper_1, Decurro_1, Mariposa_1, Sourignavong_1
- Track 3 : Laila_1, Blair_1, Lore_1, Elkhorn_1, StewieGriff_1
- Track 4 : Swenson_1, Saphira_1
- Track 5 : Toulouse_1, Seume_1
- Track 6 : Arielagos_1, SerialPhiller_1
- Track 7 : Kels_1

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 37 of the 40 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Arby_1, Azathoth_1, Blair_1, CGermain_1, Chestnut_1, Copper_1, Courtney3_1, Decurro_1, Dewayne_1, Elkhorn_1, Guntur_1, Hunnie_1, Inspire2_1, Jessica_1, KylieMac_1, Laila_1, Link_1, Lore_1, LouisXIV_1, Maggie_1, Mariposa_1, Massimo_1, Moloch_1, Muttie_1, Prospero_1, Ronnie_1, Sandman_1, Saphira_1, Seume_1, Sourignavong_1, StewieGriff_1, Stratus_1, Swenson_1, Taj14_1, TinoCrisci_1, Toulouse_1, TymAbreu_1, Yank_1,

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

-

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

- Arielagos_1, Kels_1, SerialPhiller_1,

Summary by start number:

Start 1:

- Found in 3 of 41 (7.3%) of genes in pham
- Manual Annotations of this start: 3 of 40
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arielagos_1 (AN), Kels_1 (AN), SerialPhiller_1 (AN),

Start 2:

- Found in 38 of 41 (92.7%) of genes in pham
- Manual Annotations of this start: 37 of 40
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arby_1 (AN), Azathoth_1 (AN), Blair_1 (AN), CGermain_1 (AN), Chestnut_1 (AN), Copper_1 (AN), Courtney3_1 (AN), Decurro_1 (AN), Dewayne_1 (AN), Elkhorn_1 (AN), Guntur_1 (AN), Hunnie_1 (AN), Inspire2_1 (AN), Jessica_1 (AN), KylieMac_1 (AN), Laila_1 (AN), Link_1 (AN), Lore_1 (AN), LouisXIV_1 (AN), Maggie_1 (AN), Mariposa_1 (AN), Massimo_1 (AN), Moloch_1 (AN), Muttie_1 (AN), Prospero_1 (AN), Ronnie_1 (AN), Sandman_1 (AN), Saphira_1 (AN), Seume_1 (AN), Sourignavong_1 (AN), StewieGriff_1 (AN), Stratus_1 (AN), Swenson_1 (AN), Taj14_1 (AN), TinoCrisci_1 (AN), Toulouse_1 (AN), TymAbreu_1 (AN), Yank_1 (AN),

Summary by clusters:

There is one cluster represented in this pham: AN

Info for manual annotations of cluster AN:

- Start number 1 was manually annotated 3 times for cluster AN.
- Start number 2 was manually annotated 37 times for cluster AN.

Gene Information:

Gene: Arby_1 Start: 43, Stop: 348, Start Num: 2

Candidate Starts for Arby_1:

(Start: 2 @43 has 37 MA's), (3, 61), (5, 94), (6, 130), (7, 133), (9, 154), (10, 175), (12, 190), (15, 268), (16, 322), (17, 325),

Gene: Arielagos_1 Start: 44, Stop: 352, Start Num: 1

Candidate Starts for Arielagos_1:

(Start: 1 @44 has 3 MA's), (3, 65), (5, 98), (7, 137), (10, 179), (12, 194), (15, 272), (17, 329),

Gene: Azathoth_1 Start: 43, Stop: 348, Start Num: 2

Candidate Starts for Azathoth_1:

(Start: 2 @43 has 37 MA's), (3, 61), (5, 94), (6, 130), (7, 133), (9, 154), (10, 175), (12, 190), (15, 268), (16, 322), (17, 325),

Gene: Blair_1 Start: 43, Stop: 348, Start Num: 2

Candidate Starts for Blair_1:

(Start: 2 @43 has 37 MA's), (3, 61), (4, 64), (5, 94), (6, 130), (7, 133), (8, 151), (10, 175), (11, 187), (12, 190), (15, 268), (16, 322), (17, 325),

Gene: CGermain_1 Start: 43, Stop: 348, Start Num: 2

Candidate Starts for CGermain_1:

(Start: 2 @43 has 37 MA's), (3, 61), (5, 94), (6, 130), (7, 133), (9, 154), (10, 175), (12, 190), (15, 268), (16, 322), (17, 325),

Gene: Chestnut_1 Start: 43, Stop: 348, Start Num: 2

Candidate Starts for Chestnut_1:

(Start: 2 @43 has 37 MA's), (3, 61), (5, 94), (6, 130), (7, 133), (9, 154), (10, 175), (12, 190), (15, 268), (16, 322), (17, 325),

Gene: Copper_1 Start: 43, Stop: 348, Start Num: 2

Candidate Starts for Copper_1:

(Start: 2 @43 has 37 MA's), (3, 61), (5, 94), (6, 130), (7, 133), (9, 154), (10, 175), (12, 190), (15, 268), (16, 322), (17, 325),

Gene: Courtney3_1 Start: 43, Stop: 348, Start Num: 2

Candidate Starts for Courtney3_1:

(Start: 2 @43 has 37 MA's), (3, 61), (5, 94), (6, 130), (7, 133), (9, 154), (10, 175), (12, 190), (15, 268), (16, 322), (17, 325),

Gene: Decurro_1 Start: 43, Stop: 348, Start Num: 2

Candidate Starts for Decurro_1:

(Start: 2 @43 has 37 MA's), (3, 61), (5, 94), (6, 130), (7, 133), (9, 154), (10, 175), (12, 190), (15, 268), (16, 322), (17, 325),

Gene: Dewayne_1 Start: 43, Stop: 348, Start Num: 2

Candidate Starts for Dewayne_1:

(Start: 2 @43 has 37 MA's), (3, 61), (5, 94), (6, 130), (7, 133), (9, 154), (10, 175), (12, 190), (15, 268), (16, 322), (17, 325),

Gene: Elkhorn_1 Start: 43, Stop: 348, Start Num: 2

Candidate Starts for Elkhorn_1:

(Start: 2 @43 has 37 MA's), (3, 61), (4, 64), (5, 94), (6, 130), (7, 133), (8, 151), (10, 175), (11, 187), (12, 190), (15, 268), (16, 322), (17, 325),

Gene: Guntur_1 Start: 43, Stop: 348, Start Num: 2

Candidate Starts for Guntur_1:

(Start: 2 @43 has 37 MA's), (3, 61), (5, 94), (6, 130), (7, 133), (9, 154), (10, 175), (12, 190), (15, 268), (16, 322), (17, 325),

Gene: Hunnie_1 Start: 43, Stop: 348, Start Num: 2

Candidate Starts for Hunnie_1:

(Start: 2 @43 has 37 MA's), (3, 61), (5, 94), (6, 130), (7, 133), (9, 154), (10, 175), (12, 190), (15, 268), (16, 322), (17, 325),

Gene: Inspire2_1 Start: 43, Stop: 348, Start Num: 2

Candidate Starts for Inspire2_1:

(Start: 2 @43 has 37 MA's), (3, 61), (5, 94), (6, 130), (7, 133), (9, 154), (10, 175), (12, 190), (15, 268), (16, 322), (17, 325),

Gene: Jessica_1 Start: 43, Stop: 348, Start Num: 2

Candidate Starts for Jessica_1:

(Start: 2 @43 has 37 MA's), (3, 61), (5, 94), (6, 130), (7, 133), (9, 154), (10, 175), (12, 190), (15, 268), (16, 322), (17, 325),

Gene: Kels_1 Start: 44, Stop: 352, Start Num: 1

Candidate Starts for Kels_1:

(Start: 1 @44 has 3 MA's), (3, 65), (5, 98), (7, 137), (9, 158), (10, 179), (12, 194), (14, 218), (15, 272), (16, 326), (17, 329),

Gene: KylieMac_1 Start: 43, Stop: 351, Start Num: 2

Candidate Starts for KylieMac_1:

(Start: 2 @43 has 37 MA's), (3, 61), (5, 94), (6, 130), (7, 133), (8, 151), (10, 175), (11, 187), (12, 190), (15, 268), (16, 322), (17, 325),

Gene: Laila_1 Start: 43, Stop: 348, Start Num: 2

Candidate Starts for Laila_1:

(Start: 2 @43 has 37 MA's), (3, 61), (4, 64), (5, 94), (6, 130), (7, 133), (8, 151), (10, 175), (11, 187), (12, 190), (15, 268), (16, 322), (17, 325),

Gene: Link_1 Start: 43, Stop: 348, Start Num: 2

Candidate Starts for Link_1:

(Start: 2 @43 has 37 MA's), (3, 61), (5, 94), (6, 130), (7, 133), (9, 154), (10, 175), (12, 190), (15, 268), (16, 322), (17, 325),

Gene: Lore_1 Start: 43, Stop: 348, Start Num: 2

Candidate Starts for Lore_1:

(Start: 2 @43 has 37 MA's), (3, 61), (4, 64), (5, 94), (6, 130), (7, 133), (8, 151), (10, 175), (11, 187), (12, 190), (15, 268), (16, 322), (17, 325),

Gene: LouisXIV_1 Start: 43, Stop: 348, Start Num: 2

Candidate Starts for LouisXIV_1:

(Start: 2 @43 has 37 MA's), (3, 61), (5, 94), (6, 130), (7, 133), (9, 154), (10, 175), (12, 190), (15, 268), (16, 322), (17, 325),

Gene: Maggie_1 Start: 43, Stop: 348, Start Num: 2

Candidate Starts for Maggie_1:

(Start: 2 @43 has 37 MA's), (3, 61), (5, 94), (6, 130), (7, 133), (9, 154), (10, 175), (12, 190), (15, 268), (16, 322), (17, 325),

Gene: Mariposa_1 Start: 43, Stop: 348, Start Num: 2

Candidate Starts for Mariposa_1:

(Start: 2 @43 has 37 MA's), (3, 61), (5, 94), (6, 130), (7, 133), (9, 154), (10, 175), (12, 190), (15, 268), (16, 322), (17, 325),

Gene: Massimo_1 Start: 43, Stop: 348, Start Num: 2

Candidate Starts for Massimo_1:

(Start: 2 @43 has 37 MA's), (3, 61), (5, 94), (6, 130), (7, 133), (9, 154), (10, 175), (12, 190), (15, 268), (16, 322), (17, 325),

Gene: Moloch_1 Start: 43, Stop: 351, Start Num: 2

Candidate Starts for Moloch_1:

(Start: 2 @43 has 37 MA's), (3, 61), (5, 94), (6, 130), (7, 133), (9, 154), (10, 175), (12, 190), (15, 268), (16, 322), (17, 325),

Gene: Muttie_1 Start: 43, Stop: 348, Start Num: 2

Candidate Starts for Muttie_1:

(Start: 2 @43 has 37 MA's), (3, 61), (5, 94), (6, 130), (7, 133), (9, 154), (10, 175), (12, 190), (15, 268), (16, 322), (17, 325),

Gene: Prospero_1 Start: 43, Stop: 348, Start Num: 2

Candidate Starts for Prospero_1:

(Start: 2 @43 has 37 MA's), (3, 61), (5, 94), (6, 130), (7, 133), (9, 154), (10, 175), (12, 190), (15, 268), (16, 322), (17, 325),

Gene: Ronnie_1 Start: 43, Stop: 348, Start Num: 2

Candidate Starts for Ronnie_1:

(Start: 2 @43 has 37 MA's), (3, 61), (5, 94), (6, 130), (7, 133), (9, 154), (10, 175), (12, 190), (15, 268), (16, 322), (17, 325),

Gene: Sandman_1 Start: 43, Stop: 351, Start Num: 2

Candidate Starts for Sandman_1:

(Start: 2 @43 has 37 MA's), (3, 61), (5, 94), (6, 130), (7, 133), (9, 154), (10, 175), (12, 190), (15, 268), (16, 322), (17, 325),

Gene: Saphira_1 Start: 43, Stop: 348, Start Num: 2

Candidate Starts for Saphira_1:

(Start: 2 @43 has 37 MA's), (3, 61), (5, 94), (6, 130), (7, 133), (8, 151), (10, 175), (11, 187), (12, 190), (13, 208), (15, 268), (16, 322), (17, 325),

Gene: SerialPhiller_1 Start: 44, Stop: 352, Start Num: 1

Candidate Starts for SerialPhiller_1:

(Start: 1 @44 has 3 MA's), (3, 65), (5, 98), (7, 137), (10, 179), (12, 194), (15, 272), (17, 329),

Gene: Seume_1 Start: 43, Stop: 351, Start Num: 2

Candidate Starts for Seume_1:

(Start: 2 @43 has 37 MA's), (3, 61), (4, 64), (5, 94), (6, 130), (7, 133), (9, 154), (10, 175), (12, 190), (15, 268), (16, 322), (17, 325),

Gene: Sourignavong_1 Start: 43, Stop: 348, Start Num: 2

Candidate Starts for Sourignavong_1:

(Start: 2 @43 has 37 MA's), (3, 61), (5, 94), (6, 130), (7, 133), (9, 154), (10, 175), (12, 190), (15, 268), (16, 322), (17, 325),

Gene: StewieGriff_1 Start: 43, Stop: 348, Start Num: 2

Candidate Starts for StewieGriff_1:

(Start: 2 @43 has 37 MA's), (3, 61), (4, 64), (5, 94), (6, 130), (7, 133), (8, 151), (10, 175), (11, 187), (12, 190), (15, 268), (16, 322), (17, 325),

Gene: Stratus_1 Start: 43, Stop: 351, Start Num: 2

Candidate Starts for Stratus_1:

(Start: 2 @43 has 37 MA's), (3, 61), (5, 94), (6, 130), (7, 133), (9, 154), (10, 175), (12, 190), (15, 268), (16, 322), (17, 325),

Gene: Swenson_1 Start: 43, Stop: 348, Start Num: 2

Candidate Starts for Swenson_1:

(Start: 2 @43 has 37 MA's), (3, 61), (5, 94), (6, 130), (7, 133), (8, 151), (10, 175), (11, 187), (12, 190), (13, 208), (15, 268), (16, 322), (17, 325),

Gene: Taj14_1 Start: 43, Stop: 351, Start Num: 2

Candidate Starts for Taj14_1:

(Start: 2 @43 has 37 MA's), (3, 61), (5, 94), (6, 130), (7, 133), (8, 151), (10, 175), (11, 187), (12, 190), (15, 268), (16, 322), (17, 325),

Gene: TinoCrisci_1 Start: 43, Stop: 348, Start Num: 2

Candidate Starts for TinoCrisci_1:

(Start: 2 @43 has 37 MA's), (3, 61), (5, 94), (6, 130), (7, 133), (9, 154), (10, 175), (12, 190), (15, 268), (16, 322), (17, 325),

Gene: Toulouse_1 Start: 43, Stop: 351, Start Num: 2

Candidate Starts for Toulouse_1:

(Start: 2 @43 has 37 MA's), (3, 61), (4, 64), (5, 94), (6, 130), (7, 133), (9, 154), (10, 175), (12, 190), (15, 268), (16, 322), (17, 325),

Gene: TymAbreu_1 Start: 43, Stop: 348, Start Num: 2

Candidate Starts for TymAbreu_1:

(Start: 2 @43 has 37 MA's), (3, 61), (5, 94), (6, 130), (7, 133), (9, 154), (10, 175), (12, 190), (15, 268), (16, 322), (17, 325),

Gene: Yank_1 Start: 43, Stop: 348, Start Num: 2

Candidate Starts for Yank_1:

(Start: 2 @43 has 37 MA's), (3, 61), (5, 94), (6, 130), (7, 133), (9, 154), (10, 175), (12, 190), (15, 268), (16, 322), (17, 325),