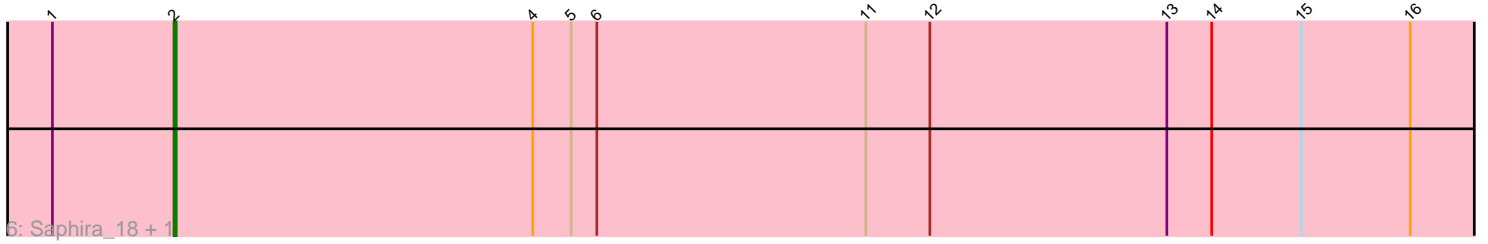
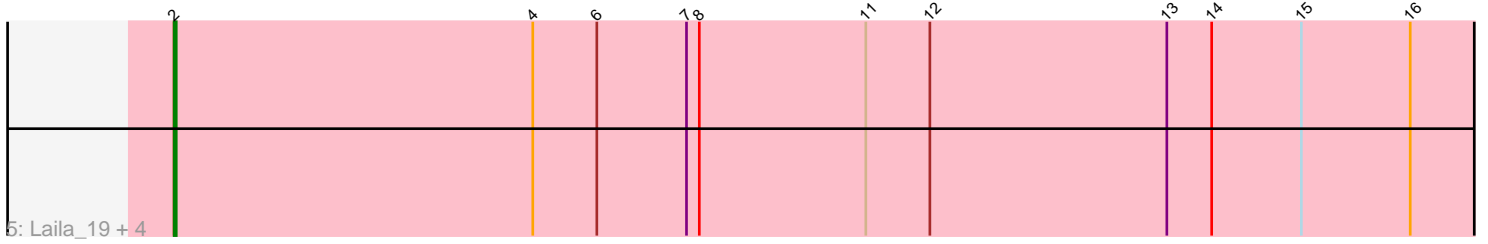
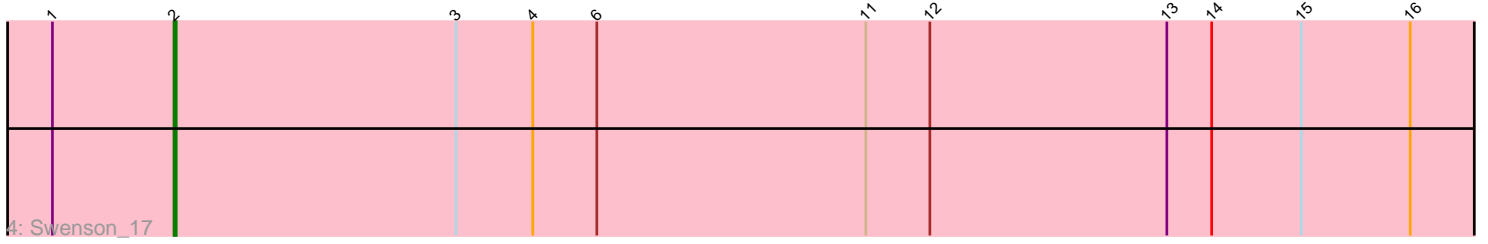
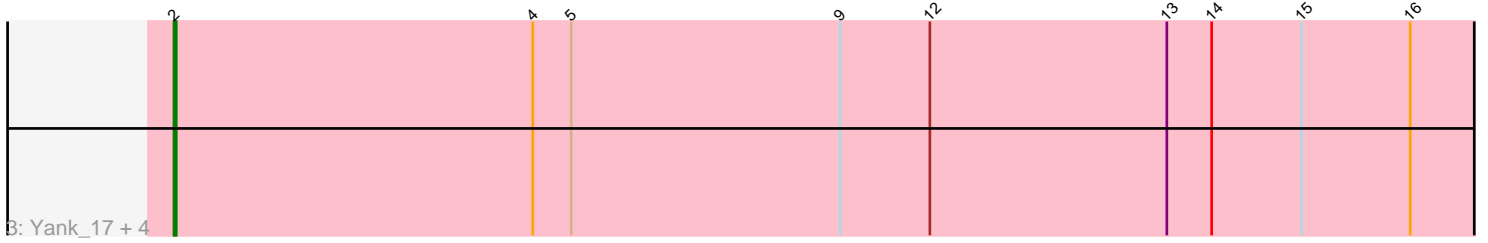
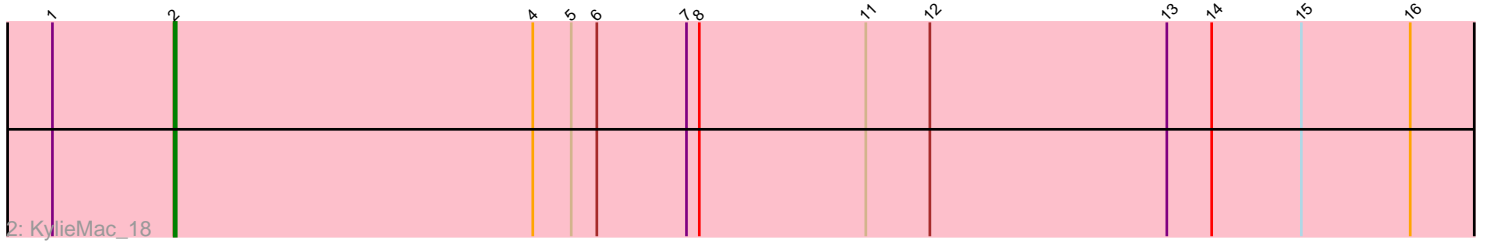
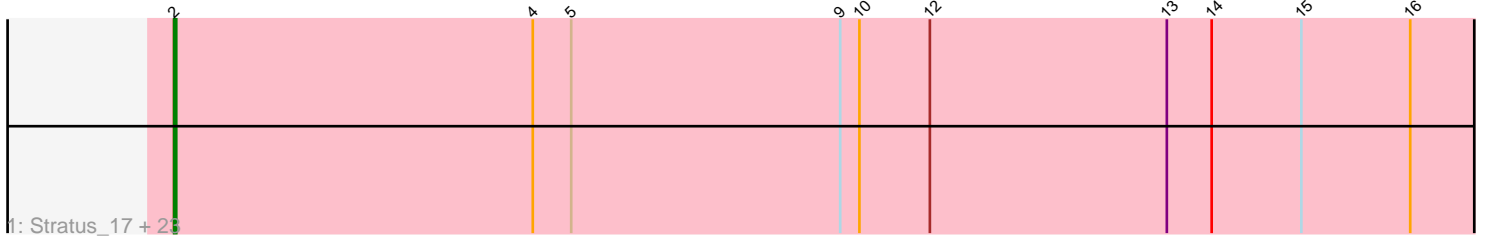


Pham 170134



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 170134 Report

This analysis was run 07/09/24 on database version 566.

Pham number 170134 has 38 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Stratus_17, Copper_17, TinoCrisci_17, CGermain_17, TymAbreu_17, Jessica_18, Massimo_17, Maggie_17, Mariposa_17, Guntur_17, Hunnie_17, Seume_17, Chestnut_17, Toulouse_16, Sandman_17, Dewayne_17, Ronnie_17, Prospero_17, Inspire2_17, LouisXIV_17, Courtney3_17, Arby_17, Moloch_17, Azathoth_17
- Track 2 : KylieMac_18
- Track 3 : Yank_17, Decurro_17, Sourignavong_18, Link_17, Muttie_17
- Track 4 : Swenson_17
- Track 5 : Laila_19, StewieGriff_17, Blair_17, Elkhorn_17, Lore_17
- Track 6 : Saphira_18, Taj14_17

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 38 of the 38 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Arby_17, Azathoth_17, Blair_17, CGermain_17, Chestnut_17, Copper_17, Courtney3_17, Decurro_17, Dewayne_17, Elkhorn_17, Guntur_17, Hunnie_17, Inspire2_17, Jessica_18, KylieMac_18, Laila_19, Link_17, Lore_17, LouisXIV_17, Maggie_17, Mariposa_17, Massimo_17, Moloch_17, Muttie_17, Prospero_17, Ronnie_17, Sandman_17, Saphira_18, Seume_17, Sourignavong_18, StewieGriff_17, Stratus_17, Swenson_17, Taj14_17, TinoCrisci_17, Toulouse_16, TymAbreu_17, Yank_17,

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 2:

- Found in 38 of 38 (100.0%) of genes in pham
- Manual Annotations of this start: 38 of 38
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arby_17 (AN), Azathoth_17 (AN), Blair_17 (AN), CGermain_17 (AN), Chestnut_17 (AN), Copper_17 (AN), Courtney3_17 (AN), Decurro_17 (AN), Dewayne_17 (AN), Elkhorn_17 (AN), Guntur_17 (AN), Hunnie_17 (AN), Inspire2_17 (AN), Jessica_18 (AN), KylieMac_18 (AN), Laila_19 (AN), Link_17 (AN), Lore_17 (AN), LouisXIV_17 (AN), Maggie_17 (AN), Mariposa_17 (AN), Massimo_17 (AN), Moloch_17 (AN), Muttie_17 (AN), Prospero_17 (AN), Ronnie_17 (AN), Sandman_17 (AN), Saphira_18 (AN), Seume_17 (AN), Sourignavong_18 (AN), StewieGriff_17 (AN), Stratus_17 (AN), Swenson_17 (AN), Taj14_17 (AN), TinoCrisci_17 (AN), Toulouse_16 (AN), TymAbreu_17 (AN), Yank_17 (AN),

Summary by clusters:

There is one cluster represented in this pham: AN

Info for manual annotations of cluster AN:

- Start number 2 was manually annotated 38 times for cluster AN.

Gene Information:

Gene: Arby_17 Start: 12050, Stop: 12691, Start Num: 2

Candidate Starts for Arby_17:

(Start: 2 @12050 has 38 MA's), (4, 12218), (5, 12236), (9, 12362), (10, 12371), (12, 12404), (13, 12515), (14, 12536), (15, 12578), (16, 12629),

Gene: Azathoth_17 Start: 12050, Stop: 12691, Start Num: 2

Candidate Starts for Azathoth_17:

(Start: 2 @12050 has 38 MA's), (4, 12218), (5, 12236), (9, 12362), (10, 12371), (12, 12404), (13, 12515), (14, 12536), (15, 12578), (16, 12629),

Gene: Blair_17 Start: 12053, Stop: 12694, Start Num: 2

Candidate Starts for Blair_17:

(Start: 2 @12053 has 38 MA's), (4, 12221), (6, 12251), (7, 12293), (8, 12299), (11, 12377), (12, 12407), (13, 12518), (14, 12539), (15, 12581), (16, 12632),

Gene: CGermain_17 Start: 12050, Stop: 12691, Start Num: 2

Candidate Starts for CGermain_17:

(Start: 2 @12050 has 38 MA's), (4, 12218), (5, 12236), (9, 12362), (10, 12371), (12, 12404), (13, 12515), (14, 12536), (15, 12578), (16, 12629),

Gene: Chestnut_17 Start: 12050, Stop: 12691, Start Num: 2

Candidate Starts for Chestnut_17:

(Start: 2 @12050 has 38 MA's), (4, 12218), (5, 12236), (9, 12362), (10, 12371), (12, 12404), (13, 12515), (14, 12536), (15, 12578), (16, 12629),

Gene: Copper_17 Start: 12050, Stop: 12691, Start Num: 2

Candidate Starts for Copper_17:

(Start: 2 @12050 has 38 MA's), (4, 12218), (5, 12236), (9, 12362), (10, 12371), (12, 12404), (13, 12515), (14, 12536), (15, 12578), (16, 12629),

Gene: Courtney3_17 Start: 12050, Stop: 12691, Start Num: 2

Candidate Starts for Courtney3_17:

(Start: 2 @12050 has 38 MA's), (4, 12218), (5, 12236), (9, 12362), (10, 12371), (12, 12404), (13, 12515), (14, 12536), (15, 12578), (16, 12629),

Gene: Decurro_17 Start: 12050, Stop: 12691, Start Num: 2

Candidate Starts for Decurro_17:

(Start: 2 @12050 has 38 MA's), (4, 12218), (5, 12236), (9, 12362), (12, 12404), (13, 12515), (14, 12536), (15, 12578), (16, 12629),

Gene: Dewayne_17 Start: 12050, Stop: 12691, Start Num: 2

Candidate Starts for Dewayne_17:

(Start: 2 @12050 has 38 MA's), (4, 12218), (5, 12236), (9, 12362), (10, 12371), (12, 12404), (13, 12515), (14, 12536), (15, 12578), (16, 12629),

Gene: Elkhorn_17 Start: 12053, Stop: 12694, Start Num: 2

Candidate Starts for Elkhorn_17:

(Start: 2 @12053 has 38 MA's), (4, 12221), (6, 12251), (7, 12293), (8, 12299), (11, 12377), (12, 12407), (13, 12518), (14, 12539), (15, 12581), (16, 12632),

Gene: Guntur_17 Start: 12050, Stop: 12691, Start Num: 2

Candidate Starts for Guntur_17:

(Start: 2 @12050 has 38 MA's), (4, 12218), (5, 12236), (9, 12362), (10, 12371), (12, 12404), (13, 12515), (14, 12536), (15, 12578), (16, 12629),

Gene: Hunnie_17 Start: 12050, Stop: 12691, Start Num: 2

Candidate Starts for Hunnie_17:

(Start: 2 @12050 has 38 MA's), (4, 12218), (5, 12236), (9, 12362), (10, 12371), (12, 12404), (13, 12515), (14, 12536), (15, 12578), (16, 12629),

Gene: Inspire2_17 Start: 12050, Stop: 12691, Start Num: 2

Candidate Starts for Inspire2_17:

(Start: 2 @12050 has 38 MA's), (4, 12218), (5, 12236), (9, 12362), (10, 12371), (12, 12404), (13, 12515), (14, 12536), (15, 12578), (16, 12629),

Gene: Jessica_18 Start: 12050, Stop: 12691, Start Num: 2

Candidate Starts for Jessica_18:

(Start: 2 @12050 has 38 MA's), (4, 12218), (5, 12236), (9, 12362), (10, 12371), (12, 12404), (13, 12515), (14, 12536), (15, 12578), (16, 12629),

Gene: KylieMac_18 Start: 12040, Stop: 12681, Start Num: 2

Candidate Starts for KylieMac_18:

(1, 11983), (Start: 2 @12040 has 38 MA's), (4, 12208), (5, 12226), (6, 12238), (7, 12280), (8, 12286), (11, 12364), (12, 12394), (13, 12505), (14, 12526), (15, 12568), (16, 12619),

Gene: Laila_19 Start: 12053, Stop: 12694, Start Num: 2

Candidate Starts for Laila_19:

(Start: 2 @12053 has 38 MA's), (4, 12221), (6, 12251), (7, 12293), (8, 12299), (11, 12377), (12, 12407), (13, 12518), (14, 12539), (15, 12581), (16, 12632),

Gene: Link_17 Start: 12047, Stop: 12688, Start Num: 2

Candidate Starts for Link_17:

(Start: 2 @12047 has 38 MA's), (4, 12215), (5, 12233), (9, 12359), (12, 12401), (13, 12512), (14, 12533), (15, 12575), (16, 12626),

Gene: Lore_17 Start: 12053, Stop: 12694, Start Num: 2

Candidate Starts for Lore_17:

(Start: 2 @12053 has 38 MA's), (4, 12221), (6, 12251), (7, 12293), (8, 12299), (11, 12377), (12, 12407), (13, 12518), (14, 12539), (15, 12581), (16, 12632),

Gene: LouisXIV_17 Start: 12050, Stop: 12691, Start Num: 2

Candidate Starts for LouisXIV_17:

(Start: 2 @12050 has 38 MA's), (4, 12218), (5, 12236), (9, 12362), (10, 12371), (12, 12404), (13, 12515), (14, 12536), (15, 12578), (16, 12629),

Gene: Maggie_17 Start: 12050, Stop: 12691, Start Num: 2

Candidate Starts for Maggie_17:

(Start: 2 @12050 has 38 MA's), (4, 12218), (5, 12236), (9, 12362), (10, 12371), (12, 12404), (13, 12515), (14, 12536), (15, 12578), (16, 12629),

Gene: Mariposa_17 Start: 12050, Stop: 12691, Start Num: 2

Candidate Starts for Mariposa_17:

(Start: 2 @12050 has 38 MA's), (4, 12218), (5, 12236), (9, 12362), (10, 12371), (12, 12404), (13, 12515), (14, 12536), (15, 12578), (16, 12629),

Gene: Massimo_17 Start: 12050, Stop: 12691, Start Num: 2

Candidate Starts for Massimo_17:

(Start: 2 @12050 has 38 MA's), (4, 12218), (5, 12236), (9, 12362), (10, 12371), (12, 12404), (13, 12515), (14, 12536), (15, 12578), (16, 12629),

Gene: Moloch_17 Start: 12124, Stop: 12765, Start Num: 2

Candidate Starts for Moloch_17:

(Start: 2 @12124 has 38 MA's), (4, 12292), (5, 12310), (9, 12436), (10, 12445), (12, 12478), (13, 12589), (14, 12610), (15, 12652), (16, 12703),

Gene: Muttie_17 Start: 12050, Stop: 12691, Start Num: 2

Candidate Starts for Muttie_17:

(Start: 2 @12050 has 38 MA's), (4, 12218), (5, 12236), (9, 12362), (12, 12404), (13, 12515), (14, 12536), (15, 12578), (16, 12629),

Gene: Prospero_17 Start: 12050, Stop: 12691, Start Num: 2

Candidate Starts for Prospero_17:

(Start: 2 @12050 has 38 MA's), (4, 12218), (5, 12236), (9, 12362), (10, 12371), (12, 12404), (13, 12515), (14, 12536), (15, 12578), (16, 12629),

Gene: Ronnie_17 Start: 12050, Stop: 12691, Start Num: 2

Candidate Starts for Ronnie_17:

(Start: 2 @12050 has 38 MA's), (4, 12218), (5, 12236), (9, 12362), (10, 12371), (12, 12404), (13, 12515), (14, 12536), (15, 12578), (16, 12629),

Gene: Sandman_17 Start: 12124, Stop: 12765, Start Num: 2

Candidate Starts for Sandman_17:

(Start: 2 @12124 has 38 MA's), (4, 12292), (5, 12310), (9, 12436), (10, 12445), (12, 12478), (13, 12589), (14, 12610), (15, 12652), (16, 12703),

Gene: Saphira_18 Start: 12055, Stop: 12699, Start Num: 2

Candidate Starts for Saphira_18:

(1, 11998), (Start: 2 @12055 has 38 MA's), (4, 12223), (5, 12241), (6, 12253), (11, 12379), (12, 12409), (13, 12520), (14, 12541), (15, 12583), (16, 12634),

Gene: Seume_17 Start: 11845, Stop: 12486, Start Num: 2

Candidate Starts for Seume_17:

(Start: 2 @11845 has 38 MA's), (4, 12013), (5, 12031), (9, 12157), (10, 12166), (12, 12199), (13, 12310), (14, 12331), (15, 12373), (16, 12424),

Gene: Sourignavong_18 Start: 12151, Stop: 12792, Start Num: 2

Candidate Starts for Sourignavong_18:

(Start: 2 @12151 has 38 MA's), (4, 12319), (5, 12337), (9, 12463), (12, 12505), (13, 12616), (14, 12637), (15, 12679), (16, 12730),

Gene: StewieGriff_17 Start: 12053, Stop: 12694, Start Num: 2

Candidate Starts for StewieGriff_17:

(Start: 2 @12053 has 38 MA's), (4, 12221), (6, 12251), (7, 12293), (8, 12299), (11, 12377), (12, 12407), (13, 12518), (14, 12539), (15, 12581), (16, 12632),

Gene: Stratus_17 Start: 12124, Stop: 12765, Start Num: 2

Candidate Starts for Stratus_17:

(Start: 2 @12124 has 38 MA's), (4, 12292), (5, 12310), (9, 12436), (10, 12445), (12, 12478), (13, 12589), (14, 12610), (15, 12652), (16, 12703),

Gene: Swenson_17 Start: 12177, Stop: 12821, Start Num: 2

Candidate Starts for Swenson_17:

(1, 12120), (Start: 2 @12177 has 38 MA's), (3, 12309), (4, 12345), (6, 12375), (11, 12501), (12, 12531), (13, 12642), (14, 12663), (15, 12705), (16, 12756),

Gene: Taj14_17 Start: 12052, Stop: 12696, Start Num: 2

Candidate Starts for Taj14_17:

(1, 11995), (Start: 2 @12052 has 38 MA's), (4, 12220), (5, 12238), (6, 12250), (11, 12376), (12, 12406), (13, 12517), (14, 12538), (15, 12580), (16, 12631),

Gene: TinoCrisci_17 Start: 12050, Stop: 12691, Start Num: 2

Candidate Starts for TinoCrisci_17:

(Start: 2 @12050 has 38 MA's), (4, 12218), (5, 12236), (9, 12362), (10, 12371), (12, 12404), (13, 12515), (14, 12536), (15, 12578), (16, 12629),

Gene: Toulouse_16 Start: 11845, Stop: 12486, Start Num: 2

Candidate Starts for Toulouse_16:

(Start: 2 @11845 has 38 MA's), (4, 12013), (5, 12031), (9, 12157), (10, 12166), (12, 12199), (13, 12310), (14, 12331), (15, 12373), (16, 12424),

Gene: TymAbreu_17 Start: 12050, Stop: 12691, Start Num: 2

Candidate Starts for TymAbreu_17:

(Start: 2 @12050 has 38 MA's), (4, 12218), (5, 12236), (9, 12362), (10, 12371), (12, 12404), (13, 12515), (14, 12536), (15, 12578), (16, 12629),

Gene: Yank_17 Start: 12050, Stop: 12691, Start Num: 2

Candidate Starts for Yank_17:

(Start: 2 @12050 has 38 MA's), (4, 12218), (5, 12236), (9, 12362), (12, 12404), (13, 12515), (14, 12536), (15, 12578), (16, 12629),