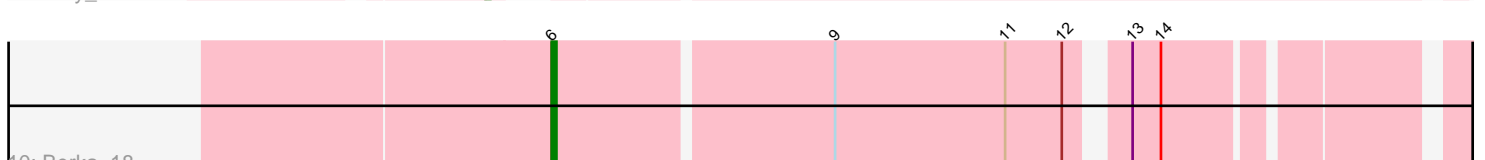
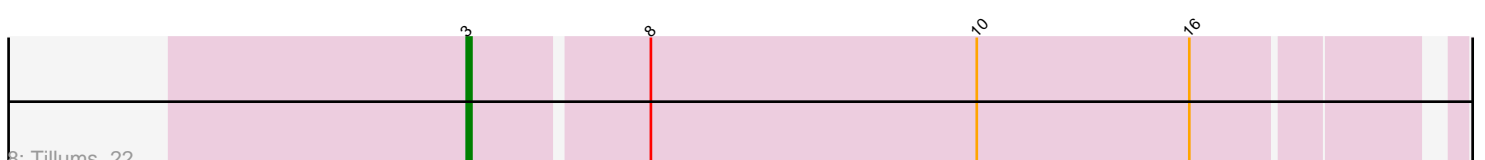
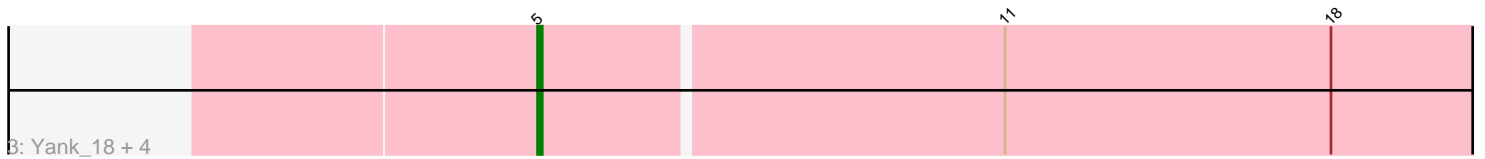
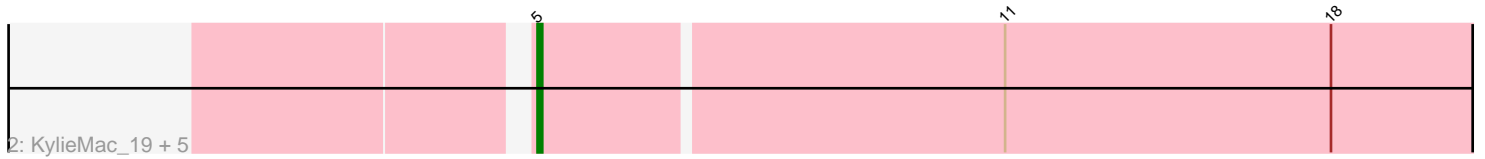
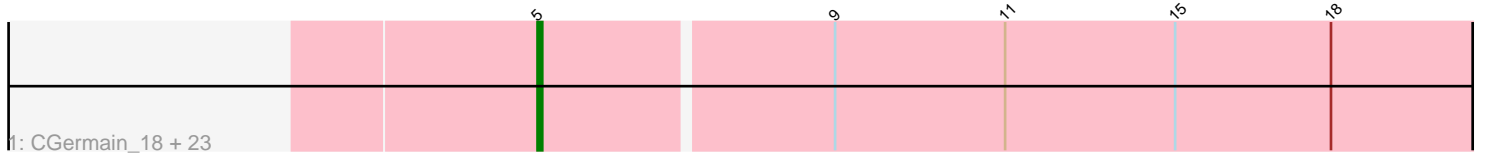


Pham 171571



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 171571 Report

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

Pham number 171571 has 45 members, 1 are drafts.

Phages represented in each track:

- Track 1 : CGermain_18, Prospero_18, TinoCrisci_18, Dewayne_18, Stratus_18, Mariposa_18, Maggie_18, Massimo_18, Jessica_19, TymAbreu_18, Copper_18, Courtney3_18, Guntur_18, Sandman_18, Chestnut_18, Toulouse_17, Hunnie_18, Seume_18, Ronnie_18, LouisXIV_18, Inspire2_18, Azathoth_18, Moloch_18, Arby_18
- Track 2 : KylieMac_19, Lore_18, Elkhorn_18, Blair_18, StewieGriff_18, Laila_20
- Track 3 : Yank_18, Decurro_18, Sourignavong_19, Link_18, Muttie_18
- Track 4 : Swenson_18
- Track 5 : Saphira_19, Taj14_18
- Track 6 : Anjali_17
- Track 7 : Mendel_19, Dunamis_21, Swim_22
- Track 8 : Tillums_22
- Track 9 : Noely_15
- Track 10 : Berka_18

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

The start number called the most often in the published annotations is 5, it was called in 38 of the 44 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Arby_18, Azathoth_18, Blair_18, CGermain_18, Chestnut_18, Copper_18, Courtney3_18, Decurro_18, Dewayne_18, Elkhorn_18, Guntur_18, Hunnie_18, Inspire2_18, Jessica_19, KylieMac_19, Laila_20, Link_18, Lore_18, LouisXIV_18, Maggie_18, Mariposa_18, Massimo_18, Moloch_18, Muttie_18, Prospero_18, Ronnie_18, Sandman_18, Saphira_19, Seume_18, Sourignavong_19, StewieGriff_18, Stratus_18, Swenson_18, Taj14_18, TinoCrisci_18, Toulouse_17, TymAbreu_18, Yank_18,

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

-

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

- Anjali_17, Berka_18, Dunamis_21, Mendel_19, Noely_15, Swim_22, Tillums_22,

Summary by start number:

Start 2:

- Found in 1 of 45 (2.2%) of genes in pham
- Manual Annotations of this start: 1 of 44
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anjali_17 (FD),

Start 3:

- Found in 4 of 45 (8.9%) of genes in pham
- Manual Annotations of this start: 3 of 44
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dunamis_21 (FD), Mendel_19 (FD), Swim_22 (FD), Tillums_22 (FD),

Start 4:

- Found in 1 of 45 (2.2%) of genes in pham
- Manual Annotations of this start: 1 of 44
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Noely_15 (FE),

Start 5:

- Found in 38 of 45 (84.4%) of genes in pham
- Manual Annotations of this start: 38 of 44
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arby_18 (AN), Azathoth_18 (AN), Blair_18 (AN), CGermain_18 (AN), Chestnut_18 (AN), Copper_18 (AN), Courtney3_18 (AN), Decurro_18 (AN), Dewayne_18 (AN), Elkhorn_18 (AN), Guntur_18 (AN), Hunnie_18 (AN), Inspire2_18 (AN), Jessica_19 (AN), KylieMac_19 (AN), Laila_20 (AN), Link_18 (AN), Lore_18 (AN), LouisXIV_18 (AN), Maggie_18 (AN), Mariposa_18 (AN), Massimo_18 (AN), Moloch_18 (AN), Muttie_18 (AN), Prospero_18 (AN), Ronnie_18 (AN), Sandman_18 (AN), Saphira_19 (AN), Seume_18 (AN), Sourignavong_19 (AN), StewieGriff_18 (AN), Stratus_18 (AN), Swenson_18 (AN), Taj14_18 (AN), TinoCrisci_18 (AN), Toulouse_17 (AN), TymAbreu_18 (AN), Yank_18 (AN),

Start 6:

- Found in 1 of 45 (2.2%) of genes in pham
- Manual Annotations of this start: 1 of 44
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Berka_18 (FE),

Summary by clusters:

There are 3 clusters represented in this pham: FD, FE, AN,

Info for manual annotations of cluster AN:

- Start number 5 was manually annotated 38 times for cluster AN.

Info for manual annotations of cluster FD:

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

Info for manual annotations of cluster FE:

- Start number 4 was manually annotated 1 time for cluster FE.
- Start number 6 was manually annotated 1 time for cluster FE.

Gene Information:

Gene: Anjali_17 Start: 14710, Stop: 14916, Start Num: 2

Candidate Starts for Anjali_17:

(1, 14644), (Start: 2 @14710 has 1 MA's), (7, 14737), (8, 14746), (16, 14860),

Gene: Arby_18 Start: 12697, Stop: 12906, Start Num: 5

Candidate Starts for Arby_18:

(Start: 5 @12697 has 38 MA's), (9, 12757), (11, 12793), (15, 12829), (18, 12862),

Gene: Azathoth_18 Start: 12697, Stop: 12906, Start Num: 5

Candidate Starts for Azathoth_18:

(Start: 5 @12697 has 38 MA's), (9, 12757), (11, 12793), (15, 12829), (18, 12862),

Gene: Berka_18 Start: 11873, Stop: 12058, Start Num: 6

Candidate Starts for Berka_18:

(Start: 6 @11873 has 1 MA's), (9, 11930), (11, 11966), (12, 11978), (13, 11987), (14, 11993),

Gene: Blair_18 Start: 12694, Stop: 12903, Start Num: 5

Candidate Starts for Blair_18:

(Start: 5 @12694 has 38 MA's), (11, 12790), (18, 12859),

Gene: CGermain_18 Start: 12697, Stop: 12906, Start Num: 5

Candidate Starts for CGermain_18:

(Start: 5 @12697 has 38 MA's), (9, 12757), (11, 12793), (15, 12829), (18, 12862),

Gene: Chestnut_18 Start: 12697, Stop: 12906, Start Num: 5

Candidate Starts for Chestnut_18:

(Start: 5 @12697 has 38 MA's), (9, 12757), (11, 12793), (15, 12829), (18, 12862),

Gene: Copper_18 Start: 12697, Stop: 12906, Start Num: 5

Candidate Starts for Copper_18:

(Start: 5 @12697 has 38 MA's), (9, 12757), (11, 12793), (15, 12829), (18, 12862),

Gene: Courtney3_18 Start: 12697, Stop: 12906, Start Num: 5

Candidate Starts for Courtney3_18:

(Start: 5 @12697 has 38 MA's), (9, 12757), (11, 12793), (15, 12829), (18, 12862),

Gene: Decurro_18 Start: 12697, Stop: 12906, Start Num: 5

Candidate Starts for Decurro_18:

(Start: 5 @12697 has 38 MA's), (11, 12793), (18, 12862),

Gene: Dewayne_18 Start: 12697, Stop: 12906, Start Num: 5

Candidate Starts for Dewayne_18:

(Start: 5 @12697 has 38 MA's), (9, 12757), (11, 12793), (15, 12829), (18, 12862),

Gene: Dunamis_21 Start: 14864, Stop: 15073, Start Num: 3
Candidate Starts for Dunamis_21:
(Start: 3 @14864 has 3 MA's), (10, 14972), (16, 15017),

Gene: Elkhorn_18 Start: 12694, Stop: 12903, Start Num: 5
Candidate Starts for Elkhorn_18:
(Start: 5 @12694 has 38 MA's), (11, 12790), (18, 12859),

Gene: Guntur_18 Start: 12697, Stop: 12906, Start Num: 5
Candidate Starts for Guntur_18:
(Start: 5 @12697 has 38 MA's), (9, 12757), (11, 12793), (15, 12829), (18, 12862),

Gene: Hunnie_18 Start: 12697, Stop: 12906, Start Num: 5
Candidate Starts for Hunnie_18:
(Start: 5 @12697 has 38 MA's), (9, 12757), (11, 12793), (15, 12829), (18, 12862),

Gene: Inspire2_18 Start: 12697, Stop: 12906, Start Num: 5
Candidate Starts for Inspire2_18:
(Start: 5 @12697 has 38 MA's), (9, 12757), (11, 12793), (15, 12829), (18, 12862),

Gene: Jessica_19 Start: 12697, Stop: 12906, Start Num: 5
Candidate Starts for Jessica_19:
(Start: 5 @12697 has 38 MA's), (9, 12757), (11, 12793), (15, 12829), (18, 12862),

Gene: KylieMac_19 Start: 12681, Stop: 12890, Start Num: 5
Candidate Starts for KylieMac_19:
(Start: 5 @12681 has 38 MA's), (11, 12777), (18, 12846),

Gene: Laila_20 Start: 12694, Stop: 12903, Start Num: 5
Candidate Starts for Laila_20:
(Start: 5 @12694 has 38 MA's), (11, 12790), (18, 12859),

Gene: Link_18 Start: 12694, Stop: 12903, Start Num: 5
Candidate Starts for Link_18:
(Start: 5 @12694 has 38 MA's), (11, 12790), (18, 12859),

Gene: Lore_18 Start: 12694, Stop: 12903, Start Num: 5
Candidate Starts for Lore_18:
(Start: 5 @12694 has 38 MA's), (11, 12790), (18, 12859),

Gene: LouisXIV_18 Start: 12697, Stop: 12906, Start Num: 5
Candidate Starts for LouisXIV_18:
(Start: 5 @12697 has 38 MA's), (9, 12757), (11, 12793), (15, 12829), (18, 12862),

Gene: Maggie_18 Start: 12697, Stop: 12906, Start Num: 5
Candidate Starts for Maggie_18:
(Start: 5 @12697 has 38 MA's), (9, 12757), (11, 12793), (15, 12829), (18, 12862),

Gene: Mariposa_18 Start: 12697, Stop: 12906, Start Num: 5
Candidate Starts for Mariposa_18:
(Start: 5 @12697 has 38 MA's), (9, 12757), (11, 12793), (15, 12829), (18, 12862),

Gene: Massimo_18 Start: 12697, Stop: 12906, Start Num: 5

Candidate Starts for Massimo_18:

(Start: 5 @12697 has 38 MA's), (9, 12757), (11, 12793), (15, 12829), (18, 12862),

Gene: Mendel_19 Start: 14622, Stop: 14831, Start Num: 3

Candidate Starts for Mendel_19:

(Start: 3 @14622 has 3 MA's), (10, 14730), (16, 14775),

Gene: Moloch_18 Start: 12771, Stop: 12980, Start Num: 5

Candidate Starts for Moloch_18:

(Start: 5 @12771 has 38 MA's), (9, 12831), (11, 12867), (15, 12903), (18, 12936),

Gene: Muttie_18 Start: 12697, Stop: 12906, Start Num: 5

Candidate Starts for Muttie_18:

(Start: 5 @12697 has 38 MA's), (11, 12793), (18, 12862),

Gene: Noely_15 Start: 11887, Stop: 12084, Start Num: 4

Candidate Starts for Noely_15:

(Start: 4 @11887 has 1 MA's), (8, 11911), (12, 11995), (14, 12016), (17, 12028),

Gene: Prospero_18 Start: 12697, Stop: 12906, Start Num: 5

Candidate Starts for Prospero_18:

(Start: 5 @12697 has 38 MA's), (9, 12757), (11, 12793), (15, 12829), (18, 12862),

Gene: Ronnie_18 Start: 12697, Stop: 12906, Start Num: 5

Candidate Starts for Ronnie_18:

(Start: 5 @12697 has 38 MA's), (9, 12757), (11, 12793), (15, 12829), (18, 12862),

Gene: Sandman_18 Start: 12771, Stop: 12980, Start Num: 5

Candidate Starts for Sandman_18:

(Start: 5 @12771 has 38 MA's), (9, 12831), (11, 12867), (15, 12903), (18, 12936),

Gene: Saphira_19 Start: 12696, Stop: 12905, Start Num: 5

Candidate Starts for Saphira_19:

(Start: 5 @12696 has 38 MA's), (11, 12792), (18, 12861),

Gene: Seume_18 Start: 12492, Stop: 12701, Start Num: 5

Candidate Starts for Seume_18:

(Start: 5 @12492 has 38 MA's), (9, 12552), (11, 12588), (15, 12624), (18, 12657),

Gene: Sourignavong_19 Start: 12798, Stop: 13007, Start Num: 5

Candidate Starts for Sourignavong_19:

(Start: 5 @12798 has 38 MA's), (11, 12894), (18, 12963),

Gene: StewieGriff_18 Start: 12694, Stop: 12903, Start Num: 5

Candidate Starts for StewieGriff_18:

(Start: 5 @12694 has 38 MA's), (11, 12790), (18, 12859),

Gene: Stratus_18 Start: 12771, Stop: 12980, Start Num: 5

Candidate Starts for Stratus_18:

(Start: 5 @12771 has 38 MA's), (9, 12831), (11, 12867), (15, 12903), (18, 12936),

Gene: Swenson_18 Start: 12818, Stop: 13027, Start Num: 5

Candidate Starts for Swenson_18:

(Start: 5 @12818 has 38 MA's), (11, 12914), (18, 12983),

Gene: Swim_22 Start: 15121, Stop: 15330, Start Num: 3

Candidate Starts for Swim_22:

(Start: 3 @15121 has 3 MA's), (10, 15229), (16, 15274),

Gene: Taj14_18 Start: 12693, Stop: 12902, Start Num: 5

Candidate Starts for Taj14_18:

(Start: 5 @12693 has 38 MA's), (11, 12789), (18, 12858),

Gene: Tillums_22 Start: 15257, Stop: 15463, Start Num: 3

Candidate Starts for Tillums_22:

(Start: 3 @15257 has 3 MA's), (8, 15293), (10, 15362), (16, 15407),

Gene: TinoCrisci_18 Start: 12697, Stop: 12906, Start Num: 5

Candidate Starts for TinoCrisci_18:

(Start: 5 @12697 has 38 MA's), (9, 12757), (11, 12793), (15, 12829), (18, 12862),

Gene: Toulouse_17 Start: 12492, Stop: 12701, Start Num: 5

Candidate Starts for Toulouse_17:

(Start: 5 @12492 has 38 MA's), (9, 12552), (11, 12588), (15, 12624), (18, 12657),

Gene: TymAbreu_18 Start: 12697, Stop: 12906, Start Num: 5

Candidate Starts for TymAbreu_18:

(Start: 5 @12697 has 38 MA's), (9, 12757), (11, 12793), (15, 12829), (18, 12862),

Gene: Yank_18 Start: 12697, Stop: 12906, Start Num: 5

Candidate Starts for Yank_18:

(Start: 5 @12697 has 38 MA's), (11, 12793), (18, 12862),