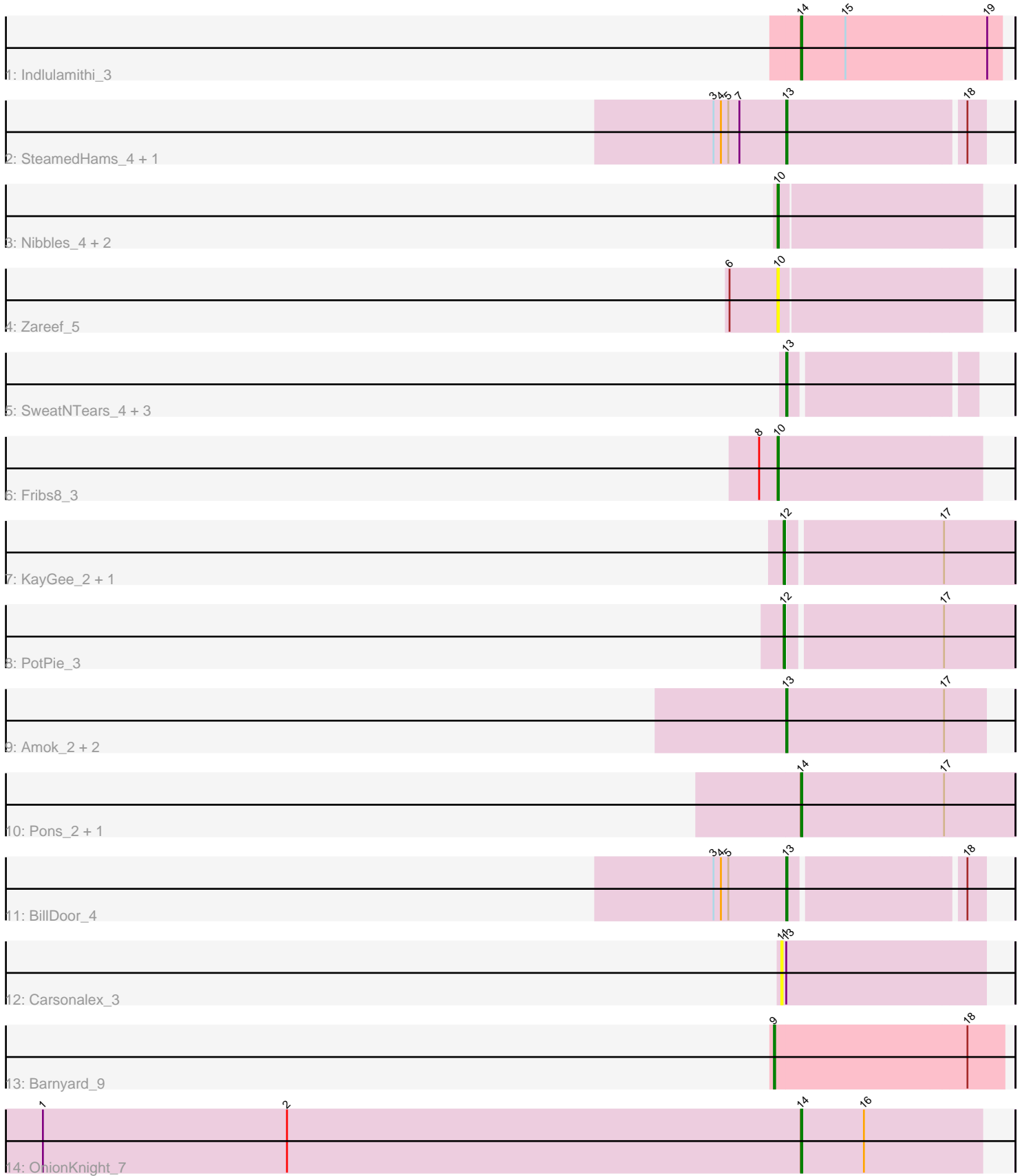


Pham 194297



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 194297 Report

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

Pham number 194297 has 24 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Indlulamithi_3
- Track 2 : SteamedHams_4, Tolls_4
- Track 3 : Nibbles_4, MaVan_4, Azira_4
- Track 4 : Zareef_5
- Track 5 : SweatNTears_4, Horseradish_3, MScarn_4, Yummy_3
- Track 6 : Fribs8_3
- Track 7 : KayGee_2, Elinal_3
- Track 8 : PotPie_3
- Track 9 : Amok_2, Emalyn_2, AikoCarson_2
- Track 10 : Pons_2, MAnor_2
- Track 11 : BillDoor_4
- Track 12 : Carsonalex_3
- Track 13 : Barnyard_9
- Track 14 : OnionKnight_7

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

The start number called the most often in the published annotations is 13, it was called in 10 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AikoCarson_2, Amok_2, BillDoor_4, Emalyn_2, Horseradish_3, MScarn_4, SteamedHams_4, SweatNTears_4, Tolls_4, Yummy_3,

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

- Carsonalex_3,

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

- Azira_4, Barnyard_9, Elinal_3, Fribs8_3, Indlulamithi_3, KayGee_2, MAnor_2, MaVan_4, Nibbles_4, OnionKnight_7, Pons_2, PotPie_3, Zareef_5,

Summary by start number:

Start 9:

- Found in 1 of 24 (4.2%) of genes in pham
- Manual Annotations of this start: 1 of 22
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Barnyard_9 (H2),

Start 10:

- Found in 5 of 24 (20.8%) of genes in pham
- Manual Annotations of this start: 4 of 22
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Azira_4 (CT), Fribs8_3 (CT), MaVan_4 (CT), Nibbles_4 (CT), Zareef_5 (CT),

Start 11:

- Found in 1 of 24 (4.2%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Carsonalex_3 (CT),

Start 12:

- Found in 3 of 24 (12.5%) of genes in pham
- Manual Annotations of this start: 3 of 22
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Elinal_3 (CT), KayGee_2 (CT), PotPie_3 (CT),

Start 13:

- Found in 11 of 24 (45.8%) of genes in pham
- Manual Annotations of this start: 10 of 22
- Called 90.9% of time when present
- Phage (with cluster) where this start called: AikoCarson_2 (CT), Amok_2 (CT), BillDoor_4 (CT), Emalyn_2 (CT), Horseradish_3 (CT), MScarn_4 (CT), SteamedHams_4 (CT), SweatNTears_4 (CT), Tolls_4 (CT), Yummy_3 (CT),

Start 14:

- Found in 4 of 24 (16.7%) of genes in pham
- Manual Annotations of this start: 4 of 22
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Indlulamithi_3 (AC), MAnor_2 (CT), OnionKnight_7 (singleton), Pons_2 (CT),

Summary by clusters:

There are 4 clusters represented in this pham: H2, AC, singleton, CT,

Info for manual annotations of cluster AC:

- Start number 14 was manually annotated 1 time for cluster AC.

Info for manual annotations of cluster CT:

- Start number 10 was manually annotated 4 times for cluster CT.
- Start number 12 was manually annotated 3 times for cluster CT.
- Start number 13 was manually annotated 10 times for cluster CT.
- Start number 14 was manually annotated 2 times for cluster CT.

Info for manual annotations of cluster H2:

•Start number 9 was manually annotated 1 time for cluster H2.

Gene Information:

Gene: AikoCarson_2 Start: 534, Stop: 692, Start Num: 13

Candidate Starts for AikoCarson_2:

(Start: 13 @534 has 10 MA's), (17, 660),

Gene: Amok_2 Start: 535, Stop: 693, Start Num: 13

Candidate Starts for Amok_2:

(Start: 13 @535 has 10 MA's), (17, 661),

Gene: Azira_4 Start: 1179, Stop: 1337, Start Num: 10

Candidate Starts for Azira_4:

(Start: 10 @1179 has 4 MA's),

Gene: Barnyard_9 Start: 6285, Stop: 6467, Start Num: 9

Candidate Starts for Barnyard_9:

(Start: 9 @6285 has 1 MA's), (18, 6438),

Gene: BillDoor_4 Start: 852, Stop: 998, Start Num: 13

Candidate Starts for BillDoor_4:

(3, 795), (4, 801), (5, 807), (Start: 13 @852 has 10 MA's), (18, 984),

Gene: Carsonalex_3 Start: 894, Stop: 1055, Start Num: 11

Candidate Starts for Carsonalex_3:

(11, 894), (Start: 13 @897 has 10 MA's),

Gene: Elinal_3 Start: 643, Stop: 819, Start Num: 12

Candidate Starts for Elinal_3:

(Start: 12 @643 has 3 MA's), (17, 763),

Gene: Emalyn_2 Start: 534, Stop: 692, Start Num: 13

Candidate Starts for Emalyn_2:

(Start: 13 @534 has 10 MA's), (17, 660),

Gene: Fribs8_3 Start: 954, Stop: 1115, Start Num: 10

Candidate Starts for Fribs8_3:

(8, 939), (Start: 10 @954 has 4 MA's),

Gene: Horseradish_3 Start: 758, Stop: 898, Start Num: 13

Candidate Starts for Horseradish_3:

(Start: 13 @758 has 10 MA's),

Gene: Indlulamithi_3 Start: 3257, Stop: 3418, Start Num: 14

Candidate Starts for Indlulamithi_3:

(Start: 14 @3257 has 4 MA's), (15, 3293), (19, 3407),

Gene: KayGee_2 Start: 643, Stop: 819, Start Num: 12

Candidate Starts for KayGee_2:

(Start: 12 @643 has 3 MA's), (17, 763),

Gene: MAnor_2 Start: 640, Stop: 810, Start Num: 14

Candidate Starts for MAnor_2:

(Start: 14 @640 has 4 MA's), (17, 754),

Gene: MScarn_4 Start: 852, Stop: 992, Start Num: 13

Candidate Starts for MScarn_4:

(Start: 13 @852 has 10 MA's),

Gene: MaVan_4 Start: 1180, Stop: 1338, Start Num: 10

Candidate Starts for MaVan_4:

(Start: 10 @1180 has 4 MA's),

Gene: Nibbles_4 Start: 1180, Stop: 1338, Start Num: 10

Candidate Starts for Nibbles_4:

(Start: 10 @1180 has 4 MA's),

Gene: OnionKnight_7 Start: 5413, Stop: 5559, Start Num: 14

Candidate Starts for OnionKnight_7:

(1, 4798), (2, 4996), (Start: 14 @5413 has 4 MA's), (16, 5464),

Gene: Pons_2 Start: 640, Stop: 810, Start Num: 14

Candidate Starts for Pons_2:

(Start: 14 @640 has 4 MA's), (17, 754),

Gene: PotPie_3 Start: 1499, Stop: 1675, Start Num: 12

Candidate Starts for PotPie_3:

(Start: 12 @1499 has 3 MA's), (17, 1619),

Gene: SteamedHams_4 Start: 852, Stop: 1004, Start Num: 13

Candidate Starts for SteamedHams_4:

(3, 795), (4, 801), (5, 807), (7, 816), (Start: 13 @852 has 10 MA's), (18, 990),

Gene: SweatNTears_4 Start: 1378, Stop: 1518, Start Num: 13

Candidate Starts for SweatNTears_4:

(Start: 13 @1378 has 10 MA's),

Gene: Tolls_4 Start: 852, Stop: 1004, Start Num: 13

Candidate Starts for Tolls_4:

(3, 795), (4, 801), (5, 807), (7, 816), (Start: 13 @852 has 10 MA's), (18, 990),

Gene: Yummy_3 Start: 758, Stop: 898, Start Num: 13

Candidate Starts for Yummy_3:

(Start: 13 @758 has 10 MA's),

Gene: Zareef_5 Start: 1180, Stop: 1338, Start Num: 10

Candidate Starts for Zareef_5:

(6, 1141), (Start: 10 @1180 has 4 MA's),