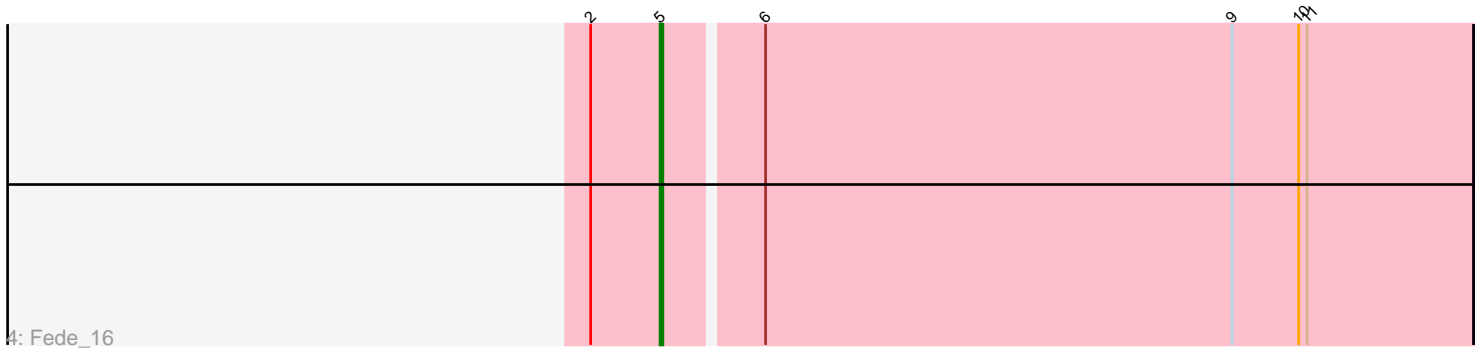
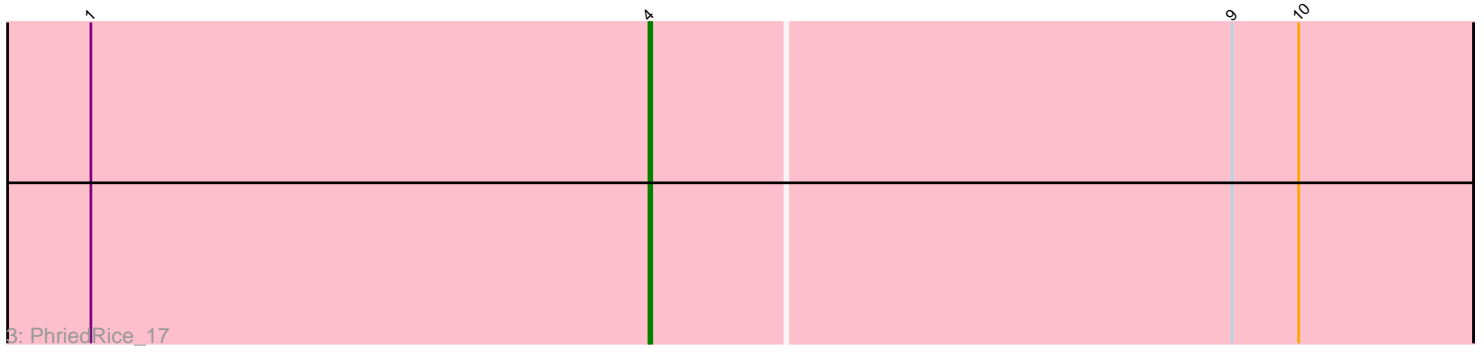
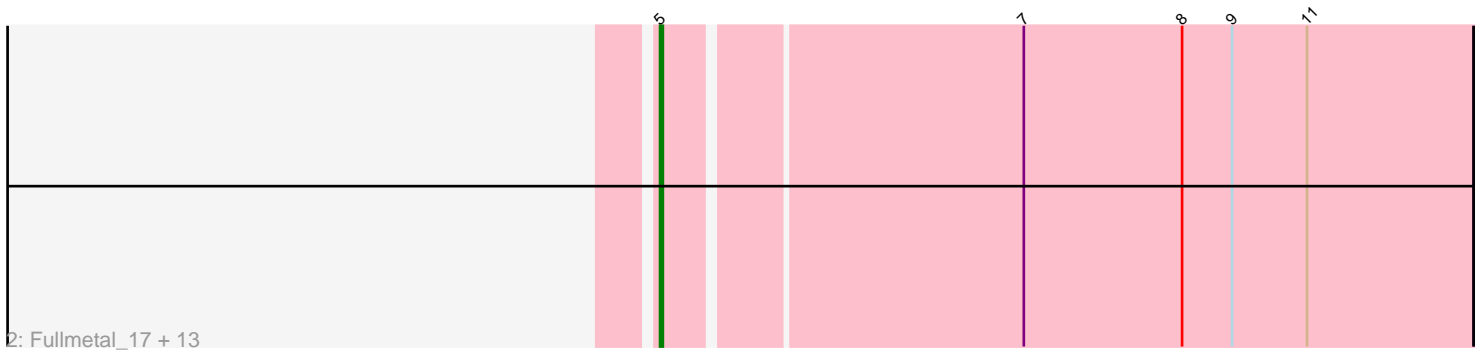
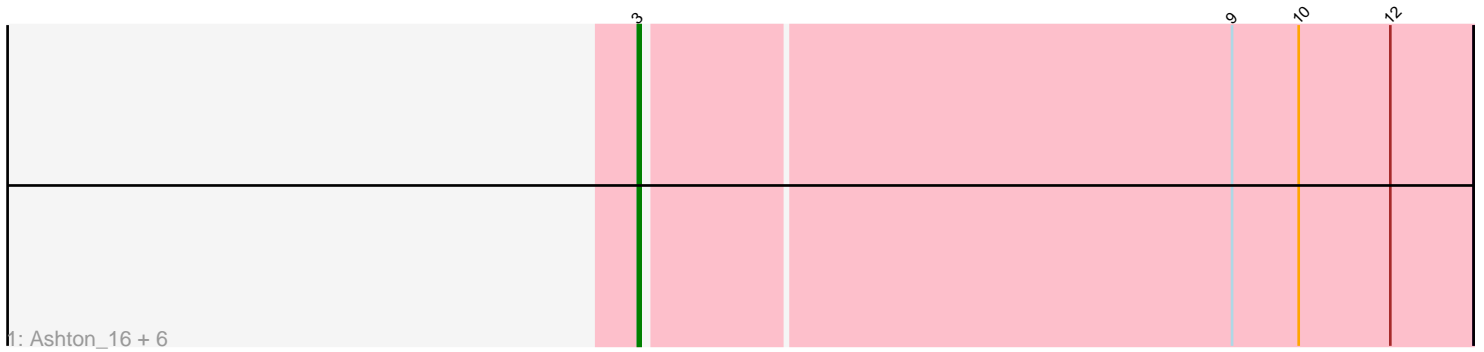


Pham 194310



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 194310 Report

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

Pham number 194310 has 23 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Ashton_16, AloeVera_16, Barroma_16, Akoni_16, Truong_16, Waterlily_16, JordanFarm_16
- Track 2 : Fullmetal_17, Yafa_16, Pharky_17, StagePhright_17, Phedro_17, Mazun_17, TrippleS_16, Morrill_16, Moleficient_17, ThirteenKH_16, RicoCaldo_17, Phractured_17, Astartes_17, Atraxi_16
- Track 3 : PhriedRice_17
- Track 4 : Fede_16

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 13 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Astartes_17, Atraxi_16, Fede_16, Fullmetal_17, Mazun_17, Moleficient_17, Morrill_16, Pharky_17, Phedro_17, Phractured_17, RicoCaldo_17, StagePhright_17, ThirteenKH_16, TrippleS_16, Yafa_16,

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

-

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

- Akoni_16, AloeVera_16, Ashton_16, Barroma_16, JordanFarm_16, PhriedRice_17, Truong_16, Waterlily_16,

Summary by start number:

Start 3:

- Found in 7 of 23 (30.4%) of genes in pham
- Manual Annotations of this start: 6 of 20
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Akoni_16 (EK2), AloeVera_16 (EK2), Ashton_16 (EK2), Barroma_16 (EK2), JordanFarm_16 (EK2), Truong_16 (EK2), Waterlily_16 (EK2),

Start 4:

- Found in 1 of 23 (4.3%) of genes in pham
- Manual Annotations of this start: 1 of 20
- Called 100.0% of time when present
- Phage (with cluster) where this start called: PhriedRice_17 (EK2),

Start 5:

- Found in 15 of 23 (65.2%) of genes in pham
- Manual Annotations of this start: 13 of 20
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Astartes_17 (EK2), Atraxi_16 (EK2), Fede_16 (EK2), Fullmetal_17 (EK2), Mazun_17 (EK2), Moleficent_17 (EK2), Morrill_16 (EK2), Pharky_17 (EK2), Phedro_17 (EK2), Phracted_17 (EK2), RicoCaldo_17 (EK2), StagePhright_17 (EK2), ThirteenKH_16 (EK2), TrippleS_16 (EK2), Yafa_16 (EK2),

Summary by clusters:

There is one cluster represented in this pham: EK2

Info for manual annotations of cluster EK2:

- Start number 3 was manually annotated 6 times for cluster EK2.
- Start number 4 was manually annotated 1 time for cluster EK2.
- Start number 5 was manually annotated 13 times for cluster EK2.

Gene Information:

Gene: Akoni_16 Start: 11287, Stop: 10994, Start Num: 3

Candidate Starts for Akoni_16:

(Start: 3 @11287 has 6 MA's), (9, 11080), (10, 11056), (12, 11023),

Gene: AloeVera_16 Start: 11287, Stop: 10994, Start Num: 3

Candidate Starts for AloeVera_16:

(Start: 3 @11287 has 6 MA's), (9, 11080), (10, 11056), (12, 11023),

Gene: Ashton_16 Start: 11291, Stop: 10998, Start Num: 3

Candidate Starts for Ashton_16:

(Start: 3 @11291 has 6 MA's), (9, 11084), (10, 11060), (12, 11027),

Gene: Astartes_17 Start: 11549, Stop: 11265, Start Num: 5

Candidate Starts for Astartes_17:

(Start: 5 @11549 has 13 MA's), (7, 11426), (8, 11369), (9, 11351), (11, 11324),

Gene: Atraxi_16 Start: 11306, Stop: 11022, Start Num: 5

Candidate Starts for Atraxi_16:

(Start: 5 @11306 has 13 MA's), (7, 11183), (8, 11126), (9, 11108), (11, 11081),

Gene: Barroma_16 Start: 11287, Stop: 10994, Start Num: 3

Candidate Starts for Barroma_16:

(Start: 3 @11287 has 6 MA's), (9, 11080), (10, 11056), (12, 11023),

Gene: Fede_16 Start: 11540, Stop: 11253, Start Num: 5
Candidate Starts for Fede_16:
(2, 11558), (Start: 5 @11540 has 13 MA's), (6, 11507), (9, 11339), (10, 11315), (11, 11312),

Gene: Fullmetal_17 Start: 11547, Stop: 11263, Start Num: 5
Candidate Starts for Fullmetal_17:
(Start: 5 @11547 has 13 MA's), (7, 11424), (8, 11367), (9, 11349), (11, 11322),

Gene: JordanFarm_16 Start: 11287, Stop: 10994, Start Num: 3
Candidate Starts for JordanFarm_16:
(Start: 3 @11287 has 6 MA's), (9, 11080), (10, 11056), (12, 11023),

Gene: Mazun_17 Start: 11548, Stop: 11264, Start Num: 5
Candidate Starts for Mazun_17:
(Start: 5 @11548 has 13 MA's), (7, 11425), (8, 11368), (9, 11350), (11, 11323),

Gene: Moleficent_17 Start: 11543, Stop: 11259, Start Num: 5
Candidate Starts for Moleficent_17:
(Start: 5 @11543 has 13 MA's), (7, 11420), (8, 11363), (9, 11345), (11, 11318),

Gene: Morrill_16 Start: 11285, Stop: 11001, Start Num: 5
Candidate Starts for Morrill_16:
(Start: 5 @11285 has 13 MA's), (7, 11162), (8, 11105), (9, 11087), (11, 11060),

Gene: Pharky_17 Start: 11507, Stop: 11223, Start Num: 5
Candidate Starts for Pharky_17:
(Start: 5 @11507 has 13 MA's), (7, 11384), (8, 11327), (9, 11309), (11, 11282),

Gene: Phedro_17 Start: 11507, Stop: 11223, Start Num: 5
Candidate Starts for Phedro_17:
(Start: 5 @11507 has 13 MA's), (7, 11384), (8, 11327), (9, 11309), (11, 11282),

Gene: Phractured_17 Start: 11507, Stop: 11223, Start Num: 5
Candidate Starts for Phractured_17:
(Start: 5 @11507 has 13 MA's), (7, 11384), (8, 11327), (9, 11309), (11, 11282),

Gene: PhriedRice_17 Start: 11517, Stop: 11224, Start Num: 4
Candidate Starts for PhriedRice_17:
(1, 11718), (Start: 4 @11517 has 1 MA's), (9, 11310), (10, 11286),

Gene: RicoCaldo_17 Start: 11539, Stop: 11255, Start Num: 5
Candidate Starts for RicoCaldo_17:
(Start: 5 @11539 has 13 MA's), (7, 11416), (8, 11359), (9, 11341), (11, 11314),

Gene: StagePhright_17 Start: 11507, Stop: 11223, Start Num: 5
Candidate Starts for StagePhright_17:
(Start: 5 @11507 has 13 MA's), (7, 11384), (8, 11327), (9, 11309), (11, 11282),

Gene: ThirteenKH_16 Start: 11284, Stop: 11000, Start Num: 5
Candidate Starts for ThirteenKH_16:
(Start: 5 @11284 has 13 MA's), (7, 11161), (8, 11104), (9, 11086), (11, 11059),

Gene: TrippleS_16 Start: 11291, Stop: 11007, Start Num: 5
Candidate Starts for TrippleS_16:
(Start: 5 @11291 has 13 MA's), (7, 11168), (8, 11111), (9, 11093), (11, 11066),

Gene: Truong_16 Start: 11287, Stop: 10994, Start Num: 3
Candidate Starts for Truong_16:
(Start: 3 @11287 has 6 MA's), (9, 11080), (10, 11056), (12, 11023),

Gene: Waterlily_16 Start: 11287, Stop: 10994, Start Num: 3
Candidate Starts for Waterlily_16:
(Start: 3 @11287 has 6 MA's), (9, 11080), (10, 11056), (12, 11023),

Gene: Yafa_16 Start: 11307, Stop: 11023, Start Num: 5
Candidate Starts for Yafa_16:
(Start: 5 @11307 has 13 MA's), (7, 11184), (8, 11127), (9, 11109), (11, 11082),