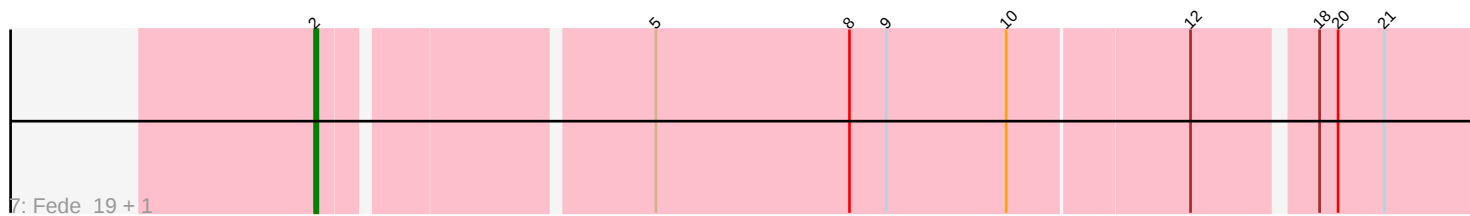
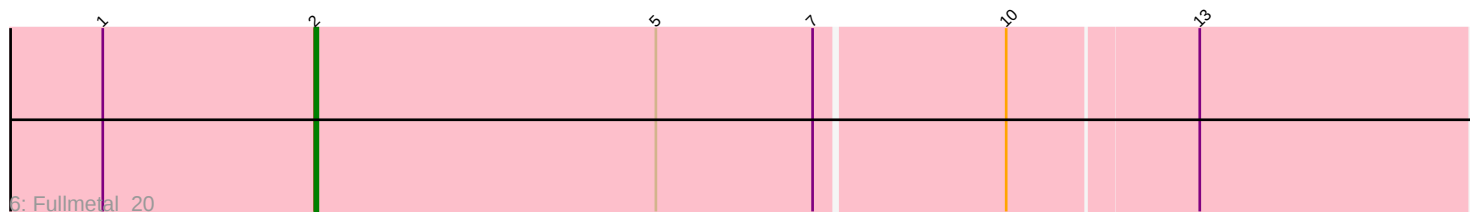
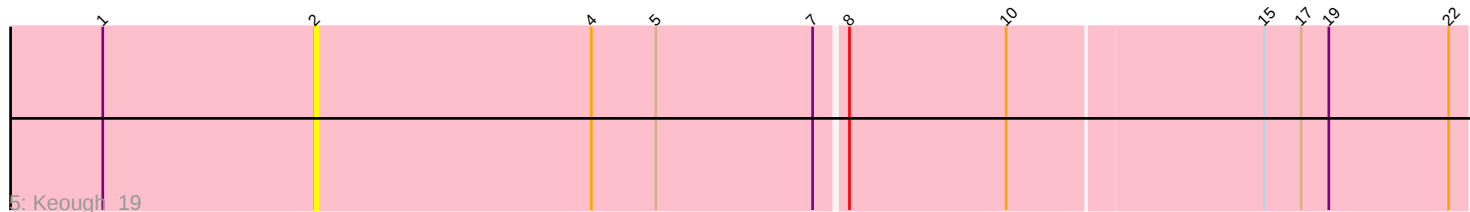
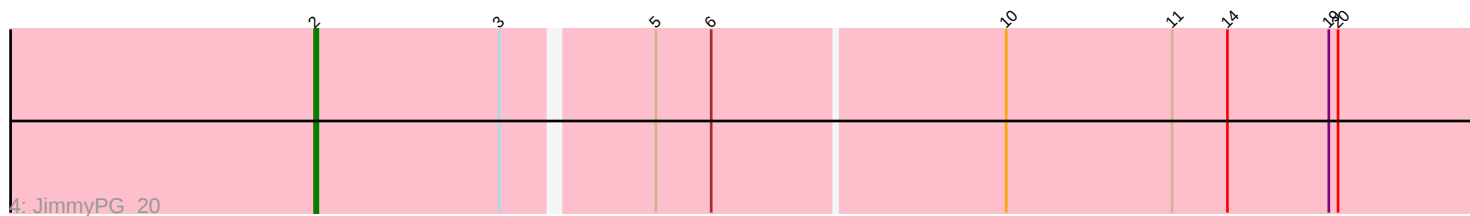
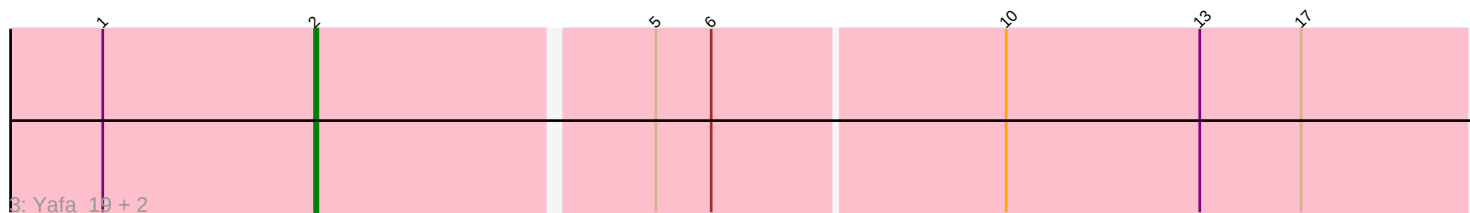
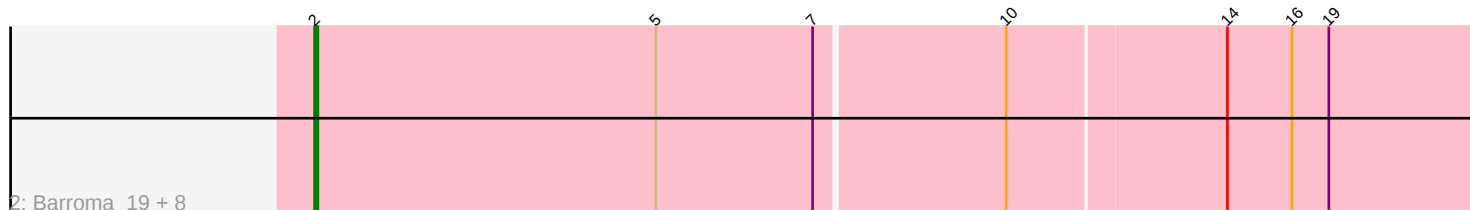
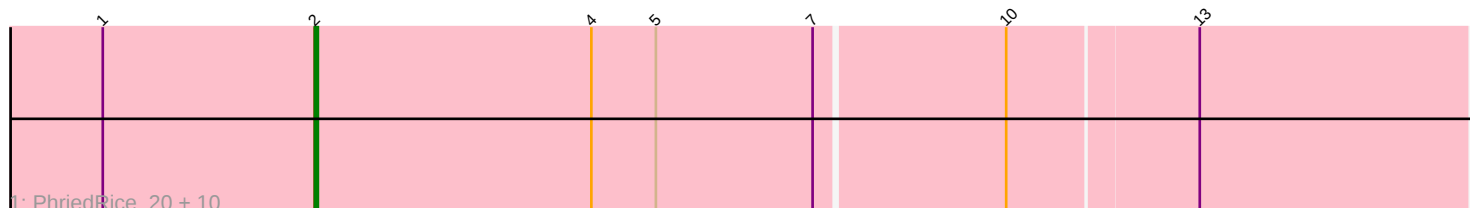


Pham 271984



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 271984 Report

This analysis was run 02/07/26 on database version 634.

Pham number 271984 has 28 members, 5 are drafts.

Phages represented in each track:

- Track 1 : PhriedRice_20, Moleficent_20, Astartes_20, Phracted_20, Morrill_19, Pharky_20, ThirteenKH_19, RicoCaldo_20, Mazun_21, StagePhright_20, Phedro_20
- Track 2 : Barroma_19, JordanFarm_20, Truong_20, ShyRosie_20, Ashton_20, SoilSleuth_20, AloeVera_20, Waterlily_20, Akoni_20
- Track 3 : Yafa_19, Atraxi_19, TrippleS_19
- Track 4 : JimmyPG_20
- Track 5 : Keough_19
- Track 6 : Fullmetal_20
- Track 7 : Fede_19, Kosier_19

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 23 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Akoni_20, AloeVera_20, Ashton_20, Astartes_20, Atraxi_19, Barroma_19, Fede_19, Fullmetal_20, JimmyPG_20, JordanFarm_20, Keough_19, Kosier_19, Mazun_21, Moleficent_20, Morrill_19, Pharky_20, Phedro_20, Phracted_20, PhriedRice_20, RicoCaldo_20, ShyRosie_20, SoilSleuth_20, StagePhright_20, ThirteenKH_19, TrippleS_19, Truong_20, Waterlily_20, Yafa_19,

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 28 of 28 (100.0%) of genes in pham
- Manual Annotations of this start: 23 of 23
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Akoni_20 (EK2), AloeVera_20 (EK2), Ashton_20 (EK2), Astartes_20 (EK2), Atraxi_19 (EK2), Barroma_19 (EK2), Fede_19 (EK2), Fullmetal_20 (EK2), JimmyPG_20 (EK2), JordanFarm_20 (EK2), Keough_19 (EK2), Kosier_19 (EK2), Mazun_21 (EK2), Moleficent_20 (EK2), Morrill_19 (EK2), Pharky_20 (EK2), Phedro_20 (EK2), Phracted_20 (EK2), PhriedRice_20 (EK2), RicoCaldo_20 (EK2), ShyRosie_20 (EK2), SoilSleuth_20 (EK2), StagePhright_20 (EK2), ThirteenKH_19 (EK2), TrippleS_19 (EK2), Truong_20 (EK2), Waterlily_20 (EK2), Yafa_19 (EK2),

Summary by clusters:

There is one cluster represented in this pham: EK2

Info for manual annotations of cluster EK2:

- Start number 2 was manually annotated 23 times for cluster EK2.

Gene Information:

Gene: Akoni_20 Start: 13361, Stop: 12990, Start Num: 2

Candidate Starts for Akoni_20:

(Start: 2 @13361 has 23 MA's), (5, 13250), (7, 13199), (10, 13139), (14, 13070), (16, 13049), (19, 13037),

Gene: AloeVera_20 Start: 13361, Stop: 12990, Start Num: 2

Candidate Starts for AloeVera_20:

(Start: 2 @13361 has 23 MA's), (5, 13250), (7, 13199), (10, 13139), (14, 13070), (16, 13049), (19, 13037),

Gene: Ashton_20 Start: 13365, Stop: 12994, Start Num: 2

Candidate Starts for Ashton_20:

(Start: 2 @13365 has 23 MA's), (5, 13254), (7, 13203), (10, 13143), (14, 13074), (16, 13053), (19, 13041),

Gene: Astartes_20 Start: 13448, Stop: 13080, Start Num: 2

Candidate Starts for Astartes_20:

(1, 13517), (Start: 2 @13448 has 23 MA's), (4, 13358), (5, 13337), (7, 13286), (10, 13226), (13, 13166),

Gene: Atraxi_19 Start: 13201, Stop: 12836, Start Num: 2

Candidate Starts for Atraxi_19:

(1, 13270), (Start: 2 @13201 has 23 MA's), (5, 13096), (6, 13078), (10, 12985), (13, 12922), (17, 12889),

Gene: Barroma_19 Start: 13361, Stop: 12990, Start Num: 2

Candidate Starts for Barroma_19:

(Start: 2 @13361 has 23 MA's), (5, 13250), (7, 13199), (10, 13139), (14, 13070), (16, 13049), (19, 13037),

Gene: Fede_19 Start: 12583, Stop: 12227, Start Num: 2

Candidate Starts for Fede_19:

(Start: 2 @12583 has 23 MA's), (5, 12484), (8, 12421), (9, 12409), (10, 12370), (12, 12313), (18, 12277), (20, 12271), (21, 12256),

Gene: Fullmetal_20 Start: 13446, Stop: 13078, Start Num: 2

Candidate Starts for Fullmetal_20:

(1, 13515), (Start: 2 @13446 has 23 MA's), (5, 13335), (7, 13284), (10, 13224), (13, 13164),

Gene: JimmyPG_20 Start: 13597, Stop: 13229, Start Num: 2

Candidate Starts for JimmyPG_20:

(Start: 2 @13597 has 23 MA's), (3, 13537), (5, 13492), (6, 13474), (10, 13381), (11, 13327), (14, 13309), (19, 13276), (20, 13273),

Gene: JordanFarm_20 Start: 13361, Stop: 12990, Start Num: 2

Candidate Starts for JordanFarm_20:

(Start: 2 @13361 has 23 MA's), (5, 13250), (7, 13199), (10, 13139), (14, 13070), (16, 13049), (19, 13037),

Gene: Keough_19 Start: 13174, Stop: 12806, Start Num: 2

Candidate Starts for Keough_19:

(1, 13243), (Start: 2 @13174 has 23 MA's), (4, 13084), (5, 13063), (7, 13012), (8, 13003), (10, 12952), (15, 12871), (17, 12859), (19, 12850), (22, 12811),

Gene: Kosier_19 Start: 12583, Stop: 12227, Start Num: 2

Candidate Starts for Kosier_19:

(Start: 2 @12583 has 23 MA's), (5, 12484), (8, 12421), (9, 12409), (10, 12370), (12, 12313), (18, 12277), (20, 12271), (21, 12256),

Gene: Mazun_21 Start: 13633, Stop: 13265, Start Num: 2

Candidate Starts for Mazun_21:

(1, 13702), (Start: 2 @13633 has 23 MA's), (4, 13543), (5, 13522), (7, 13471), (10, 13411), (13, 13351),

Gene: Moleficent_20 Start: 13443, Stop: 13075, Start Num: 2

Candidate Starts for Moleficent_20:

(1, 13512), (Start: 2 @13443 has 23 MA's), (4, 13353), (5, 13332), (7, 13281), (10, 13221), (13, 13161),

Gene: Morrill_19 Start: 13184, Stop: 12816, Start Num: 2

Candidate Starts for Morrill_19:

(1, 13253), (Start: 2 @13184 has 23 MA's), (4, 13094), (5, 13073), (7, 13022), (10, 12962), (13, 12902),

Gene: Pharky_20 Start: 13406, Stop: 13038, Start Num: 2

Candidate Starts for Pharky_20:

(1, 13475), (Start: 2 @13406 has 23 MA's), (4, 13316), (5, 13295), (7, 13244), (10, 13184), (13, 13124),

Gene: Phedro_20 Start: 13406, Stop: 13038, Start Num: 2

Candidate Starts for Phedro_20:

(1, 13475), (Start: 2 @13406 has 23 MA's), (4, 13316), (5, 13295), (7, 13244), (10, 13184), (13, 13124),

Gene: Phracted_20 Start: 13406, Stop: 13038, Start Num: 2

Candidate Starts for Phracted_20:

(1, 13475), (Start: 2 @13406 has 23 MA's), (4, 13316), (5, 13295), (7, 13244), (10, 13184), (13, 13124),

Gene: PhriedRice_20 Start: 13417, Stop: 13049, Start Num: 2

Candidate Starts for PhriedRice_20:

(1, 13486), (Start: 2 @13417 has 23 MA's), (4, 13327), (5, 13306), (7, 13255), (10, 13195), (13, 13135),

Gene: RicoCaldo_20 Start: 13438, Stop: 13070, Start Num: 2

Candidate Starts for RicoCaldo_20:

(1, 13507), (Start: 2 @13438 has 23 MA's), (4, 13348), (5, 13327), (7, 13276), (10, 13216), (13, 13156),

Gene: ShyRosie_20 Start: 13361, Stop: 12990, Start Num: 2

Candidate Starts for ShyRosie_20:

(Start: 2 @13361 has 23 MA's), (5, 13250), (7, 13199), (10, 13139), (14, 13070), (16, 13049), (19, 13037),

Gene: SoilSleuth_20 Start: 13403, Stop: 13032, Start Num: 2

Candidate Starts for SoilSleuth_20:

(Start: 2 @13403 has 23 MA's), (5, 13292), (7, 13241), (10, 13181), (14, 13112), (16, 13091), (19, 13079),

Gene: StagePhright_20 Start: 13406, Stop: 13038, Start Num: 2

Candidate Starts for StagePhright_20:

(1, 13475), (Start: 2 @13406 has 23 MA's), (4, 13316), (5, 13295), (7, 13244), (10, 13184), (13, 13124),

Gene: ThirteenKH_19 Start: 13183, Stop: 12815, Start Num: 2

Candidate Starts for ThirteenKH_19:

(1, 13252), (Start: 2 @13183 has 23 MA's), (4, 13093), (5, 13072), (7, 13021), (10, 12961), (13, 12901),

Gene: TrippleS_19 Start: 13187, Stop: 12822, Start Num: 2

Candidate Starts for TrippleS_19:

(1, 13256), (Start: 2 @13187 has 23 MA's), (5, 13082), (6, 13064), (10, 12971), (13, 12908), (17, 12875),

Gene: Truong_20 Start: 13361, Stop: 12990, Start Num: 2

Candidate Starts for Truong_20:

(Start: 2 @13361 has 23 MA's), (5, 13250), (7, 13199), (10, 13139), (14, 13070), (16, 13049), (19, 13037),

Gene: Waterlily_20 Start: 13403, Stop: 13032, Start Num: 2

Candidate Starts for Waterlily_20:

(Start: 2 @13403 has 23 MA's), (5, 13292), (7, 13241), (10, 13181), (14, 13112), (16, 13091), (19, 13079),

Gene: Yafa_19 Start: 13203, Stop: 12838, Start Num: 2

Candidate Starts for Yafa_19:

(1, 13272), (Start: 2 @13203 has 23 MA's), (5, 13098), (6, 13080), (10, 12987), (13, 12924), (17, 12891),