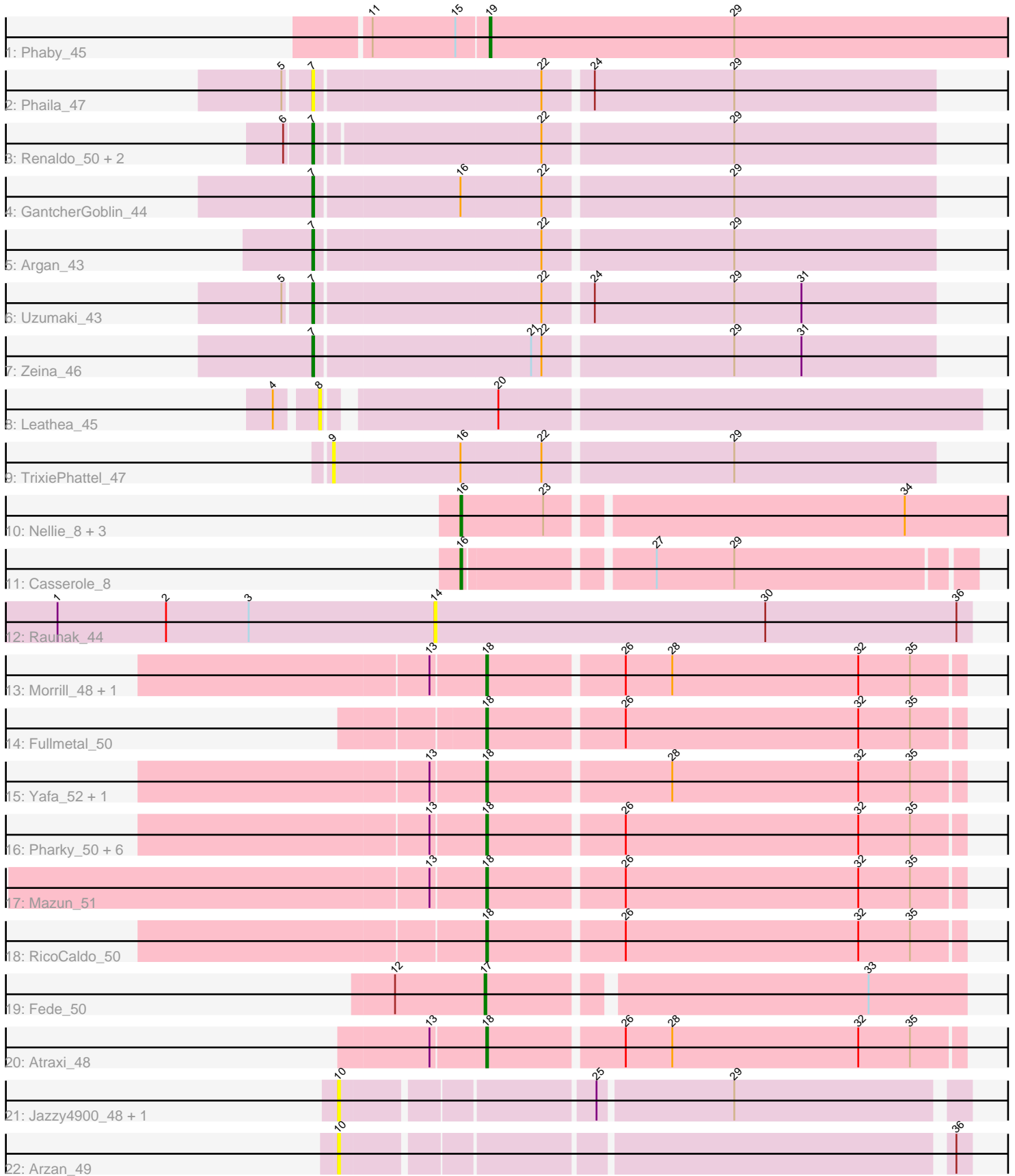


Pham 182449



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 182449 Report

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

Pham number 182449 has 36 members, 11 are drafts.

Phages represented in each track:

- Track 1 : Phaby_45
- Track 2 : Phaila_47
- Track 3 : Renaldo_50, BarbieDoll_49, Lewando_47
- Track 4 : GantcherGoblin_44
- Track 5 : Argan_43
- Track 6 : Uzumaki_43
- Track 7 : Zeina_46
- Track 8 : Leathea_45
- Track 9 : TrixiePhattel_47
- Track 10 : Nellie_8, Brad_8, Adat_8, GurgleFerb_8
- Track 11 : Casserole_8
- Track 12 : Raunak_44
- Track 13 : Morrill_48, ThirteenKH_52
- Track 14 : Fullmetal_50
- Track 15 : Yafa_52, TrippleS_50
- Track 16 : Pharky_50, Phedro_50, StagePhright_50, Moleficent_51, Astartes_51, Phractured_50, PhriedRice_51
- Track 17 : Mazun_51
- Track 18 : RicoCaldo_50
- Track 19 : Fede_50
- Track 20 : Atraxi_48
- Track 21 : Jazzy4900_48, Sunny4976_47
- Track 22 : Arzan_49

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

The start number called the most often in the published annotations is 18, it was called in 13 of the 25 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Astartes_51, Atraxi_48, Fullmetal_50, Mazun_51, Moleficent_51, Morrill_48, Pharky_50, Phedro_50, Phractured_50, PhriedRice_51, RicoCaldo_50, StagePhright_50, ThirteenKH_52, TrippleS_50, Yafa_52,

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

-

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

- Adat_8, Argan_43, Arzan_49, BarbieDoll_49, Brad_8, Casserole_8, Fede_50, GantcherGoblin_44, GurgleFerb_8, Jazzy4900_48, Leathea_45, Lewando_47, Nellie_8, Phaby_45, Phaila_47, Raunak_44, Renaldo_50, Sunny4976_47, TrixiePhattel_47, Uzumaki_43, Zeina_46,

Summary by start number:

Start 7:

- Found in 8 of 36 (22.2%) of genes in pham
- Manual Annotations of this start: 5 of 25
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Argan_43 (AU6), BarbieDoll_49 (AU6), GantcherGoblin_44 (AU6), Lewando_47 (AU6), Phaila_47 (AU6), Renaldo_50 (AU6), Uzumaki_43 (AU6), Zeina_46 (AU6),

Start 8:

- Found in 1 of 36 (2.8%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Leathea_45 (AU6),

Start 9:

- Found in 1 of 36 (2.8%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: TrixiePhattel_47 (AU6),

Start 10:

- Found in 3 of 36 (8.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arzan_49 (FI), Jazzy4900_48 (FI), Sunny4976_47 (FI),

Start 14:

- Found in 1 of 36 (2.8%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Raunak_44 (AW),

Start 16:

- Found in 7 of 36 (19.4%) of genes in pham
- Manual Annotations of this start: 5 of 25
- Called 71.4% of time when present
- Phage (with cluster) where this start called: Adat_8 (AV), Brad_8 (AV), Casserole_8 (AV), GurgleFerb_8 (AV), Nellie_8 (AV),

Start 17:

- Found in 1 of 36 (2.8%) of genes in pham

- Manual Annotations of this start: 1 of 25
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Fede_50 (EK2),

Start 18:

- Found in 15 of 36 (41.7%) of genes in pham
- Manual Annotations of this start: 13 of 25
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Astartes_51 (EK2), Atraxi_48 (EK2), Fullmetal_50 (EK2), Mazun_51 (EK2), Moleficent_51 (EK2), Morrill_48 (EK2), Pharky_50 (EK2), Phedro_50 (EK2), Phracted_50 (EK2), PhriedRice_51 (EK2), RicoCaldo_50 (EK2), StagePhright_50 (EK2), ThirteenKH_52 (EK2), TrippleS_50 (EK2), Yafa_52 (EK2),

Start 19:

- Found in 1 of 36 (2.8%) of genes in pham
- Manual Annotations of this start: 1 of 25
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Phaby_45 (AU2),

Summary by clusters:

There are 6 clusters represented in this pham: AV, AU2, AW, AU6, FI, EK2,

Info for manual annotations of cluster AU2:

- Start number 19 was manually annotated 1 time for cluster AU2.

Info for manual annotations of cluster AU6:

- Start number 7 was manually annotated 5 times for cluster AU6.

Info for manual annotations of cluster AV:

- Start number 16 was manually annotated 5 times for cluster AV.

Info for manual annotations of cluster EK2:

- Start number 17 was manually annotated 1 time for cluster EK2.
- Start number 18 was manually annotated 13 times for cluster EK2.

Gene Information:

Gene: Adat_8 Start: 4006, Stop: 4347, Start Num: 16

Candidate Starts for Adat_8:

(Start: 16 @4006 has 5 MA's), (23, 4054), (34, 4252),

Gene: Argan_43 Start: 31213, Stop: 31560, Start Num: 7

Candidate Starts for Argan_43:

(Start: 7 @31213 has 5 MA's), (22, 31339), (29, 31444),

Gene: Arzan_49 Start: 32711, Stop: 33049, Start Num: 10

Candidate Starts for Arzan_49:

(10, 32711), (36, 33041),

Gene: Astartes_51 Start: 50802, Stop: 51071, Start Num: 18

Candidate Starts for Astartes_51:

(13, 50772), (Start: 18 @50802 has 13 MA's), (26, 50877), (32, 51012), (35, 51042),

Gene: Atraxi_48 Start: 50596, Stop: 50865, Start Num: 18

Candidate Starts for Atraxi_48:

(13, 50566), (Start: 18 @50596 has 13 MA's), (26, 50671), (28, 50698), (32, 50806), (35, 50836),

Gene: BarbieDoll_49 Start: 33215, Stop: 33559, Start Num: 7

Candidate Starts for BarbieDoll_49:

(6, 33200), (Start: 7 @33215 has 5 MA's), (22, 33338), (29, 33443),

Gene: Brad_8 Start: 4004, Stop: 4345, Start Num: 16

Candidate Starts for Brad_8:

(Start: 16 @4004 has 5 MA's), (23, 4052), (34, 4250),

Gene: Casserole_8 Start: 4130, Stop: 4408, Start Num: 16

Candidate Starts for Casserole_8:

(Start: 16 @4130 has 5 MA's), (27, 4229), (29, 4274),

Gene: Fede_50 Start: 51739, Stop: 52002, Start Num: 17

Candidate Starts for Fede_50:

(12, 51688), (Start: 17 @51739 has 1 MA's), (33, 51946),

Gene: Fullmetal_50 Start: 51136, Stop: 51405, Start Num: 18

Candidate Starts for Fullmetal_50:

(Start: 18 @51136 has 13 MA's), (26, 51211), (32, 51346), (35, 51376),

Gene: GantcherGoblin_44 Start: 31712, Stop: 32059, Start Num: 7

Candidate Starts for GantcherGoblin_44:

(Start: 7 @31712 has 5 MA's), (Start: 16 @31793 has 5 MA's), (22, 31838), (29, 31943),

Gene: GurgleFerb_8 Start: 4005, Stop: 4346, Start Num: 16

Candidate Starts for GurgleFerb_8:

(Start: 16 @4005 has 5 MA's), (23, 4053), (34, 4251),

Gene: Jazzy4900_48 Start: 33511, Stop: 33849, Start Num: 10

Candidate Starts for Jazzy4900_48:

(10, 33511), (25, 33646), (29, 33721),

Gene: Leathea_45 Start: 31388, Stop: 31747, Start Num: 8

Candidate Starts for Leathea_45:

(4, 31367), (8, 31388), (20, 31475),

Gene: Lewando_47 Start: 33001, Stop: 33345, Start Num: 7

Candidate Starts for Lewando_47:

(6, 32986), (Start: 7 @33001 has 5 MA's), (22, 33124), (29, 33229),

Gene: Mazun_51 Start: 51540, Stop: 51809, Start Num: 18

Candidate Starts for Mazun_51:

(13, 51510), (Start: 18 @51540 has 13 MA's), (26, 51615), (32, 51750), (35, 51780),

Gene: Moleficient_51 Start: 51144, Stop: 51413, Start Num: 18

Candidate Starts for Moleficient_51:

(13, 51114), (Start: 18 @51144 has 13 MA's), (26, 51219), (32, 51354), (35, 51384),

Gene: Morrill_48 Start: 50575, Stop: 50844, Start Num: 18

Candidate Starts for Morrill_48:

(13, 50545), (Start: 18 @50575 has 13 MA's), (26, 50650), (28, 50677), (32, 50785), (35, 50815),

Gene: Nellie_8 Start: 4006, Stop: 4347, Start Num: 16

Candidate Starts for Nellie_8:

(Start: 16 @4006 has 5 MA's), (23, 4054), (34, 4252),

Gene: Phaby_45 Start: 33194, Stop: 33514, Start Num: 19

Candidate Starts for Phaby_45:

(11, 33128), (15, 33176), (Start: 19 @33194 has 1 MA's), (29, 33335),

Gene: Phaila_47 Start: 31602, Stop: 31949, Start Num: 7

Candidate Starts for Phaila_47:

(5, 31587), (Start: 7 @31602 has 5 MA's), (22, 31728), (24, 31752), (29, 31833),

Gene: Pharky_50 Start: 51140, Stop: 51409, Start Num: 18

Candidate Starts for Pharky_50:

(13, 51110), (Start: 18 @51140 has 13 MA's), (26, 51215), (32, 51350), (35, 51380),

Gene: Phedro_50 Start: 51140, Stop: 51409, Start Num: 18

Candidate Starts for Phedro_50:

(13, 51110), (Start: 18 @51140 has 13 MA's), (26, 51215), (32, 51350), (35, 51380),

Gene: Phractured_50 Start: 51140, Stop: 51409, Start Num: 18

Candidate Starts for Phractured_50:

(13, 51110), (Start: 18 @51140 has 13 MA's), (26, 51215), (32, 51350), (35, 51380),

Gene: PhriedRice_51 Start: 51244, Stop: 51513, Start Num: 18

Candidate Starts for PhriedRice_51:

(13, 51214), (Start: 18 @51244 has 13 MA's), (26, 51319), (32, 51454), (35, 51484),

Gene: Raunak_44 Start: 30260, Stop: 30571, Start Num: 14

Candidate Starts for Raunak_44:

(1, 30041), (2, 30104), (3, 30152), (14, 30260), (30, 30452), (36, 30563),

Gene: Renaldo_50 Start: 33310, Stop: 33654, Start Num: 7

Candidate Starts for Renaldo_50:

(6, 33295), (Start: 7 @33310 has 5 MA's), (22, 33433), (29, 33538),

Gene: RicoCaldo_50 Start: 51222, Stop: 51491, Start Num: 18

Candidate Starts for RicoCaldo_50:

(Start: 18 @51222 has 13 MA's), (26, 51297), (32, 51432), (35, 51462),

Gene: StagePhright_50 Start: 51140, Stop: 51409, Start Num: 18

Candidate Starts for StagePhright_50:

(13, 51110), (Start: 18 @51140 has 13 MA's), (26, 51215), (32, 51350), (35, 51380),

Gene: Sunny4976_47 Start: 33511, Stop: 33849, Start Num: 10

Candidate Starts for Sunny4976_47:

(10, 33511), (25, 33646), (29, 33721),

Gene: ThirteenKH_52 Start: 50584, Stop: 50853, Start Num: 18

Candidate Starts for ThirteenKH_52:

(13, 50554), (Start: 18 @50584 has 13 MA's), (26, 50659), (28, 50686), (32, 50794), (35, 50824),

Gene: TrippleS_50 Start: 50733, Stop: 51002, Start Num: 18

Candidate Starts for TrippleS_50:

(13, 50703), (Start: 18 @50733 has 13 MA's), (28, 50835), (32, 50943), (35, 50973),

Gene: TrixiePhattel_47 Start: 31685, Stop: 32023, Start Num: 9

Candidate Starts for TrixiePhattel_47:

(9, 31685), (Start: 16 @31757 has 5 MA's), (22, 31802), (29, 31907),

Gene: Uzumaki_43 Start: 31702, Stop: 32049, Start Num: 7

Candidate Starts for Uzumaki_43:

(5, 31687), (Start: 7 @31702 has 5 MA's), (22, 31828), (24, 31852), (29, 31933), (31, 31972),

Gene: Yafa_52 Start: 50488, Stop: 50757, Start Num: 18

Candidate Starts for Yafa_52:

(13, 50458), (Start: 18 @50488 has 13 MA's), (28, 50590), (32, 50698), (35, 50728),

Gene: Zeina_46 Start: 32021, Stop: 32368, Start Num: 7

Candidate Starts for Zeina_46:

(Start: 7 @32021 has 5 MA's), (21, 32141), (22, 32147), (29, 32252), (31, 32291),