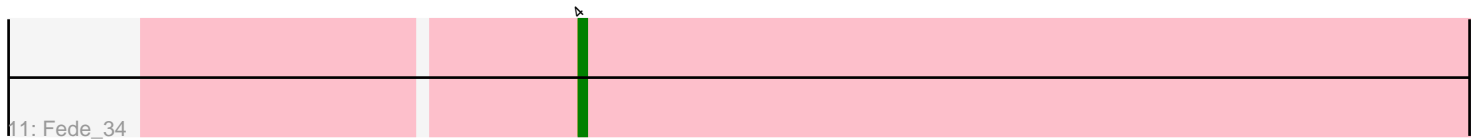
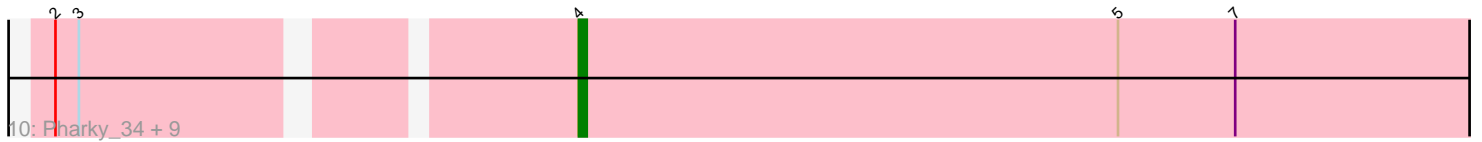
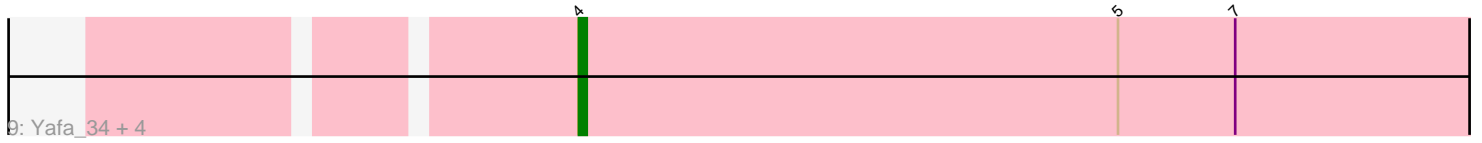
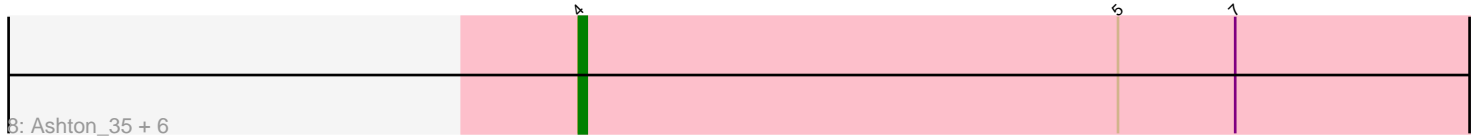
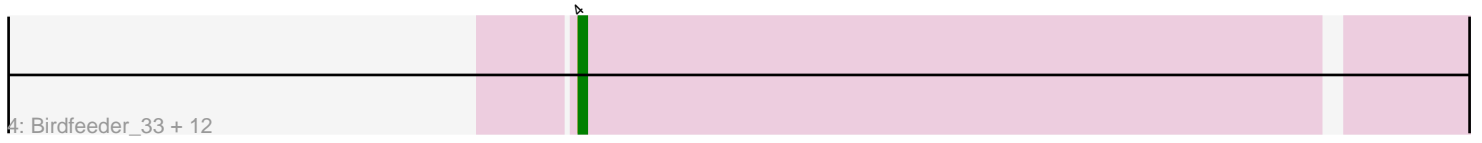
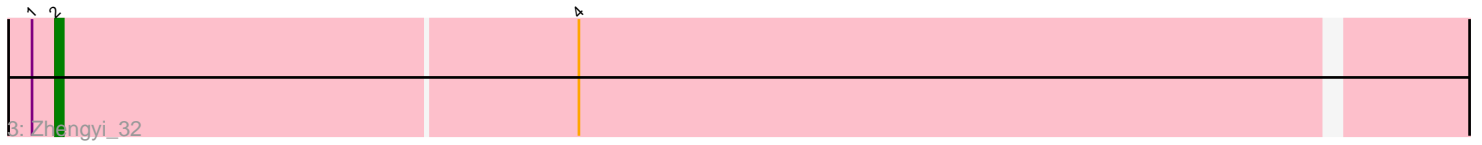
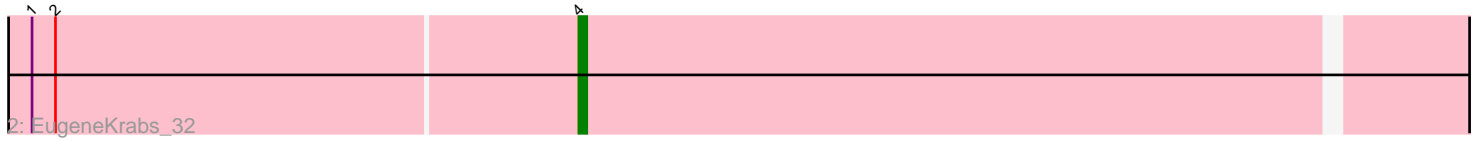
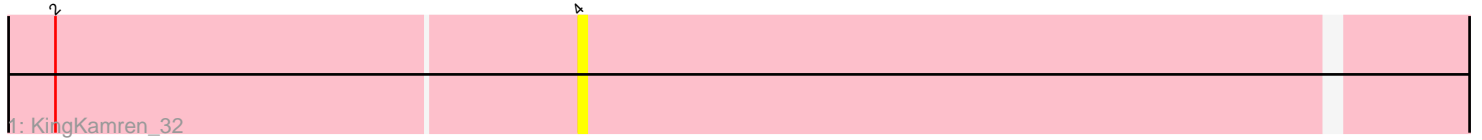


Pham 157953



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 157953 Report

This analysis was run 04/13/24 on database version 558.

Pham number 157953 has 48 members, 11 are drafts.

Phages represented in each track:

- Track 1 : KingKamren_32
- Track 2 : EugeneKrabs_32
- Track 3 : Zhengyi_32
- Track 4 : Birdfeeder_33, Alex44_35, BlueRugrat_34, Corn21_34, LesNorah_35, Stormbreaker_35, Unphazed_35, LilyLou_36, Dashyla_36, ArMaWen_34, Phogo_35, Xitlalli_33, DumpQuist_34
- Track 5 : YellowPanda_34, TinyTimothy_31, Wesak_32
- Track 6 : Oatly_36, Biozilla_36, CrunchyBoi_37, HitchHiker_37, PineapplePluto_37
- Track 7 : Pabst_34
- Track 8 : Ashton_35, Barroma_36, Waterlily_37, AloeVera_35, Akoni_34, Truong_34, JordanFarm_36
- Track 9 : Yafa_34, ThirteenKH_32, Atraxi_32, TrippleS_35, Morrill_32
- Track 10 : Pharky_34, Fullmetal_34, Mazun_35, StagePhright_34, Phedro_34, PhriedRice_35, RicoCaldo_34, Moleficent_34, Astartes_34, Phracted_34
- Track 11 : Fede_34

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

The start number called the most often in the published annotations is 4, it was called in 36 of the 37 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Akoni_34, Alex44_35, AloeVera_35, ArMaWen_34, Ashton_35, Astartes_34, Atraxi_32, Barroma_36, Biozilla_36, Birdfeeder_33, BlueRugrat_34, Corn21_34, CrunchyBoi_37, Dashyla_36, DumpQuist_34, EugeneKrabs_32, Fede_34, Fullmetal_34, HitchHiker_37, JordanFarm_36, KingKamren_32, LesNorah_35, LilyLou_36, Mazun_35, Moleficent_34, Morrill_32, Oatly_36, Pabst_34, Pharky_34, Phedro_34, Phogo_35, Phracted_34, PhriedRice_35, PineapplePluto_37, RicoCaldo_34, StagePhright_34, Stormbreaker_35, ThirteenKH_32, TinyTimothy_31, TrippleS_35, Truong_34, Unphazed_35, Waterlily_37, Wesak_32, Xitlalli_33, Yafa_34, YellowPanda_34,

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

- Zhengyi_32,

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

-

Summary by start number:

Start 2:

- Found in 13 of 48 (27.1%) of genes in pham
- Manual Annotations of this start: 1 of 37
- Called 7.7% of time when present
- Phage (with cluster) where this start called: Zhengyi_32 (EK),

Start 4:

- Found in 48 of 48 (100.0%) of genes in pham
- Manual Annotations of this start: 36 of 37
- Called 97.9% of time when present
- Phage (with cluster) where this start called: Akoni_34 (EK2), Alex44_35 (EK1), AloeVera_35 (EK2), ArMaWen_34 (EK1), Ashton_35 (EK2), Astartes_34 (EK2), Atraxi_32 (EK2), Barroma_36 (EK2), Biozilla_36 (EK1), Birdfeeder_33 (EK1), BlueRugrat_34 (EK1), Corn21_34 (EK1), CrunchyBoi_37 (EK1), Dashyla_36 (EK1), DumpQuist_34 (EK1), EugeneKrabs_32 (EK), Fede_34 (EK2), Fullmetal_34 (EK2), HitchHiker_37 (EK1), JordanFarm_36 (EK2), KingKamren_32 (EK), LesNorah_35 (EK1), LilyLou_36 (EK1), Mazun_35 (EK2), Moleficent_34 (EK2), Morrill_32 (EK2), Oatly_36 (EK1), Pabst_34 (EK1), Pharky_34 (EK2), Phedro_34 (EK2), Phogo_35 (EK1), Phracted_34 (EK2), PhriedRice_35 (EK2), PineapplePluto_37 (EK1), RicoCaldo_34 (EK2), StagePhright_34 (EK2), Stormbreaker_35 (EK1), ThirteenKH_32 (EK2), TinyTimothy_31 (EK1), TrippleS_35 (EK2), Truong_34 (EK2), Unphazed_35 (EK1), Waterlily_37 (EK2), Wesak_32 (EK1), Xitlalli_33 (EK1), Yafa_34 (EK2), YellowPanda_34 (EK1),

Summary by clusters:

There are 3 clusters represented in this pham: EK, EK2, EK1,

Info for manual annotations of cluster EK:

- Start number 2 was manually annotated 1 time for cluster EK.
- Start number 4 was manually annotated 1 time for cluster EK.

Info for manual annotations of cluster EK1:

- Start number 4 was manually annotated 19 times for cluster EK1.

Info for manual annotations of cluster EK2:

- Start number 4 was manually annotated 16 times for cluster EK2.

Gene Information:

Gene: Akoni_34 Start: 35279, Stop: 35449, Start Num: 4

Candidate Starts for Akoni_34:

(Start: 4 @35279 has 36 MA's), (5, 35348), (7, 35363),

Gene: Alex44_35 Start: 35362, Stop: 35520, Start Num: 4

Candidate Starts for Alex44_35:
(Start: 4 @35362 has 36 MA's),

Gene: AloeVera_35 Start: 35493, Stop: 35663, Start Num: 4
Candidate Starts for AloeVera_35:
(Start: 4 @35493 has 36 MA's), (5, 35562), (7, 35577),

Gene: ArMaWen_34 Start: 34905, Stop: 35063, Start Num: 4
Candidate Starts for ArMaWen_34:
(Start: 4 @34905 has 36 MA's),

Gene: Ashton_35 Start: 35492, Stop: 35662, Start Num: 4
Candidate Starts for Ashton_35:
(Start: 4 @35492 has 36 MA's), (5, 35561), (7, 35576),

Gene: Astartes_34 Start: 35568, Stop: 35735, Start Num: 4
Candidate Starts for Astartes_34:
(Start: 2 @35508 has 1 MA's), (3, 35511), (Start: 4 @35568 has 36 MA's), (5, 35637), (7, 35652),

Gene: Atraxi_32 Start: 35359, Stop: 35526, Start Num: 4
Candidate Starts for Atraxi_32:
(Start: 4 @35359 has 36 MA's), (5, 35428), (7, 35443),

Gene: Barroma_36 Start: 35281, Stop: 35451, Start Num: 4
Candidate Starts for Barroma_36:
(Start: 4 @35281 has 36 MA's), (5, 35350), (7, 35365),

Gene: Biozilla_36 Start: 35410, Stop: 35574, Start Num: 4
Candidate Starts for Biozilla_36:
(Start: 4 @35410 has 36 MA's), (6, 35482),

Gene: Birdfeeder_33 Start: 35118, Stop: 35276, Start Num: 4
Candidate Starts for Birdfeeder_33:
(Start: 4 @35118 has 36 MA's),

Gene: BlueRugrat_34 Start: 35354, Stop: 35512, Start Num: 4
Candidate Starts for BlueRugrat_34:
(Start: 4 @35354 has 36 MA's),

Gene: Corn21_34 Start: 35432, Stop: 35590, Start Num: 4
Candidate Starts for Corn21_34:
(Start: 4 @35432 has 36 MA's),

Gene: CrunchyBoi_37 Start: 35265, Stop: 35429, Start Num: 4
Candidate Starts for CrunchyBoi_37:
(Start: 4 @35265 has 36 MA's), (6, 35337),

Gene: Dashyla_36 Start: 35036, Stop: 35194, Start Num: 4
Candidate Starts for Dashyla_36:
(Start: 4 @35036 has 36 MA's),

Gene: DumpQuist_34 Start: 34890, Stop: 35048, Start Num: 4
Candidate Starts for DumpQuist_34:

(Start: 4 @34890 has 36 MA's),

Gene: EugeneKrabs_32 Start: 35491, Stop: 35652, Start Num: 4
Candidate Starts for EugeneKrabs_32:
(1, 35422), (Start: 2 @35425 has 1 MA's), (Start: 4 @35491 has 36 MA's),

Gene: Fede_34 Start: 34815, Stop: 34982, Start Num: 4
Candidate Starts for Fede_34:
(Start: 4 @34815 has 36 MA's),

Gene: Fullmetal_34 Start: 35428, Stop: 35595, Start Num: 4
Candidate Starts for Fullmetal_34:
(Start: 2 @35368 has 1 MA's), (3, 35371), (Start: 4 @35428 has 36 MA's), (5, 35497), (7, 35512),

Gene: HitchHiker_37 Start: 35410, Stop: 35574, Start Num: 4
Candidate Starts for HitchHiker_37:
(Start: 4 @35410 has 36 MA's), (6, 35482),

Gene: JordanFarm_36 Start: 35493, Stop: 35663, Start Num: 4
Candidate Starts for JordanFarm_36:
(Start: 4 @35493 has 36 MA's), (5, 35562), (7, 35577),

Gene: KingKamren_32 Start: 35452, Stop: 35613, Start Num: 4
Candidate Starts for KingKamren_32:
(Start: 2 @35386 has 1 MA's), (Start: 4 @35452 has 36 MA's),

Gene: LesNorah_35 Start: 35751, Stop: 35909, Start Num: 4
Candidate Starts for LesNorah_35:
(Start: 4 @35751 has 36 MA's),

Gene: LilyLou_36 Start: 35354, Stop: 35512, Start Num: 4
Candidate Starts for LilyLou_36:
(Start: 4 @35354 has 36 MA's),

Gene: Mazun_35 Start: 35750, Stop: 35917, Start Num: 4
Candidate Starts for Mazun_35:
(Start: 2 @35690 has 1 MA's), (3, 35693), (Start: 4 @35750 has 36 MA's), (5, 35819), (7, 35834),

Gene: Moleficient_34 Start: 35435, Stop: 35602, Start Num: 4
Candidate Starts for Moleficient_34:
(Start: 2 @35375 has 1 MA's), (3, 35378), (Start: 4 @35435 has 36 MA's), (5, 35504), (7, 35519),

Gene: Morrill_32 Start: 35340, Stop: 35507, Start Num: 4
Candidate Starts for Morrill_32:
(Start: 4 @35340 has 36 MA's), (5, 35409), (7, 35424),

Gene: Oatly_36 Start: 34970, Stop: 35134, Start Num: 4
Candidate Starts for Oatly_36:
(Start: 4 @34970 has 36 MA's), (6, 35042),

Gene: Pabst_34 Start: 35039, Stop: 35203, Start Num: 4
Candidate Starts for Pabst_34:
(Start: 4 @35039 has 36 MA's),

Gene: Pharky_34 Start: 35431, Stop: 35598, Start Num: 4
Candidate Starts for Pharky_34:
(Start: 2 @35371 has 1 MA's), (3, 35374), (Start: 4 @35431 has 36 MA's), (5, 35500), (7, 35515),

Gene: Phedro_34 Start: 35431, Stop: 35598, Start Num: 4
Candidate Starts for Phedro_34:
(Start: 2 @35371 has 1 MA's), (3, 35374), (Start: 4 @35431 has 36 MA's), (5, 35500), (7, 35515),

Gene: Phogo_35 Start: 35176, Stop: 35334, Start Num: 4
Candidate Starts for Phogo_35:
(Start: 4 @35176 has 36 MA's),

Gene: Phractured_34 Start: 35431, Stop: 35598, Start Num: 4
Candidate Starts for Phractured_34:
(Start: 2 @35371 has 1 MA's), (3, 35374), (Start: 4 @35431 has 36 MA's), (5, 35500), (7, 35515),

Gene: PhriedRice_35 Start: 35535, Stop: 35702, Start Num: 4
Candidate Starts for PhriedRice_35:
(Start: 2 @35475 has 1 MA's), (3, 35478), (Start: 4 @35535 has 36 MA's), (5, 35604), (7, 35619),

Gene: PineapplePluto_37 Start: 35332, Stop: 35496, Start Num: 4
Candidate Starts for PineapplePluto_37:
(Start: 4 @35332 has 36 MA's), (6, 35404),

Gene: RicoCaldo_34 Start: 35513, Stop: 35680, Start Num: 4
Candidate Starts for RicoCaldo_34:
(Start: 2 @35453 has 1 MA's), (3, 35456), (Start: 4 @35513 has 36 MA's), (5, 35582), (7, 35597),

Gene: StagePhright_34 Start: 35431, Stop: 35598, Start Num: 4
Candidate Starts for StagePhright_34:
(Start: 2 @35371 has 1 MA's), (3, 35374), (Start: 4 @35431 has 36 MA's), (5, 35500), (7, 35515),

Gene: Stormbreaker_35 Start: 35270, Stop: 35428, Start Num: 4
Candidate Starts for Stormbreaker_35:
(Start: 4 @35270 has 36 MA's),

Gene: ThirteenKH_32 Start: 35350, Stop: 35517, Start Num: 4
Candidate Starts for ThirteenKH_32:
(Start: 4 @35350 has 36 MA's), (5, 35419), (7, 35434),

Gene: TinyTimothy_31 Start: 34427, Stop: 34594, Start Num: 4
Candidate Starts for TinyTimothy_31:
(Start: 4 @34427 has 36 MA's),

Gene: TrippleS_35 Start: 35498, Stop: 35665, Start Num: 4
Candidate Starts for TrippleS_35:
(Start: 4 @35498 has 36 MA's), (5, 35567), (7, 35582),

Gene: Truong_34 Start: 35281, Stop: 35451, Start Num: 4
Candidate Starts for Truong_34:
(Start: 4 @35281 has 36 MA's), (5, 35350), (7, 35365),

Gene: Unphazed_35 Start: 35146, Stop: 35304, Start Num: 4
Candidate Starts for Unphazed_35:
(Start: 4 @35146 has 36 MA's),

Gene: Waterlily_37 Start: 35535, Stop: 35705, Start Num: 4
Candidate Starts for Waterlily_37:
(Start: 4 @35535 has 36 MA's), (5, 35604), (7, 35619),

Gene: Wesak_32 Start: 34269, Stop: 34436, Start Num: 4
Candidate Starts for Wesak_32:
(Start: 4 @34269 has 36 MA's),

Gene: Xitlalli_33 Start: 35138, Stop: 35296, Start Num: 4
Candidate Starts for Xitlalli_33:
(Start: 4 @35138 has 36 MA's),

Gene: Yafa_34 Start: 35254, Stop: 35421, Start Num: 4
Candidate Starts for Yafa_34:
(Start: 4 @35254 has 36 MA's), (5, 35323), (7, 35338),

Gene: YellowPanda_34 Start: 34150, Stop: 34317, Start Num: 4
Candidate Starts for YellowPanda_34:
(Start: 4 @34150 has 36 MA's),

Gene: Zhengyi_32 Start: 35474, Stop: 35701, Start Num: 2
Candidate Starts for Zhengyi_32:
(1, 35471), (Start: 2 @35474 has 1 MA's), (Start: 4 @35540 has 36 MA's),