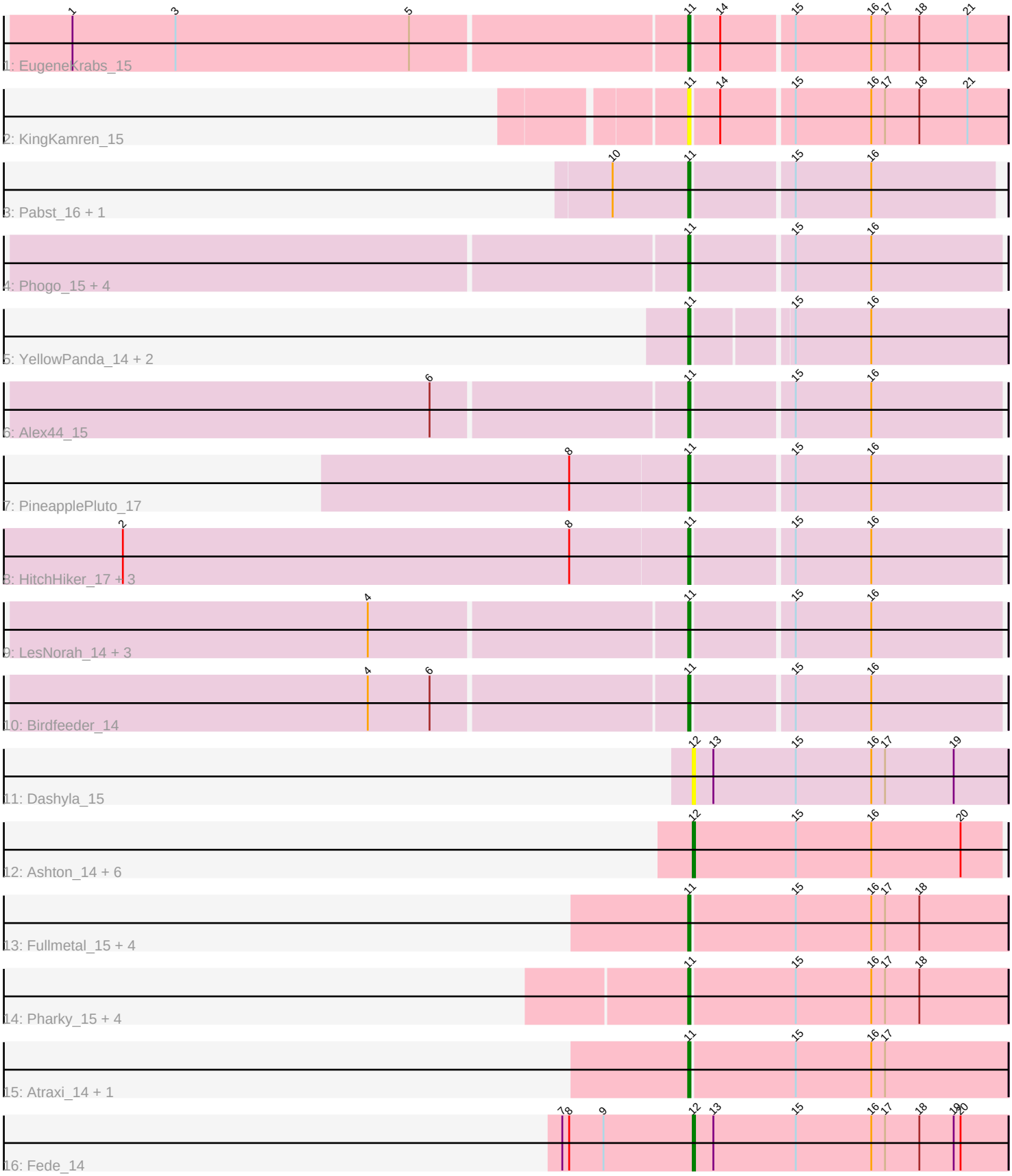
Pham 86063


1: EugeneKrabs_15
2: KingKamren_15
3: Pabst_16 + 1
4: Phogo_15 + 4
5: YellowPanda_14 + 2
6: Alex44_15
7: PineapplePluto_17
8: HitchHiker_17 + 3
9: LesNorah_14 + 3
10: Birdfeeder_14
11: Dashyla_15
12: Ashton_14 + 6
13: Fullmetal_15 + 4
14: Pharky_15 + 4
15: Atraxi_14 + 1
16: Fede_14

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 86063 Report

This analysis was run 04/28/24 on database version 559.

Pham number 86063 has 44 members, 8 are drafts.

Phages represented in each track:
• Track 1 : EugeneKrabs_15
• Track 2 : KingKamren_15
• Track 3 : Pabst_16, Corn21_15
• Track 4 : Phogo_15, DumpQuist_14, Unphazed_15, ArMaWen_14, LilyLou_15
• Track 5 : YellowPanda_14, TinyTimothy_14, Wesak_14
• Track 6 : Alex44_15
• Track 7 : PineapplePluto_17
• Track 8 : HitchHiker_17, Oatly_16, Biozilla_16, CrunchyBoi_17
• Track 9 : LesNorah_14, BlueRugrat_14, Stormbreaker_14, Xitlalli_14
• Track 10 : Birdfeeder_14
• Track 11 : Dashyla_15
• Track 12 : Ashton_14, AloeVera_14, Akoni_14, Truong_14, Waterlily_14, JordanFarm_14, Barroma_14
• Track 13 : Fullmetal_15, RicoCaldo_15, Mazun_15, Moleficent_15, Astartes_15
• Track 14 : Pharky_15, Phedro_15, StagePhright_15, PhriedRice_15, Phractured_15
• Track 15 : Atraxi_14, Morrill_14
• Track 16 : Fede_14

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

The start number called the most often in the published annotations is 11, it was called in 30 of the 36 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alex44_15, ArMaWen_14, Astartes_15, Atraxi_14, Biozilla_16, Birdfeeder_14, BlueRugrat_14, Corn21_15, CrunchyBoi_17, DumpQuist_14, EugeneKrabs_15, Fullmetal_15, HitchHiker_17, KingKamren_15, LesNorah_14, LilyLou_15, Mazun_15, Moleficent_15, Morrill_14, Oatly_16, Pabst_16, Pharky_15, Phedro_15, Phogo_15, Phractured_15, PhriedRice_15, PineapplePluto_17, RicoCaldo_15, StagePhright_15, Stormbreaker_14, TinyTimothy_14, Unphazed_15, Wesak_14, Xitlalli_14, YellowPanda_14,

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

Genes that do not have the "Most Annotated" start:
• Akoni_14, AloeVera_14, Ashton_14, Barroma_14, Dashyla_15, Fede_14, JordanFarm_14, Truong_14, Waterlily_14,

Summary by start number:

Start 11:
• Found in 35 of 44 (79.5%) of genes in pham
• Manual Annotations of this start: 30 of 36
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alex44_15 (EK1), ArMaWen_14 (EK1), Astartes_15 (EK2), Atraxi_14 (EK2), Biozilla_16 (EK1), Birdfeeder_14 (EK1), BlueRugrat_14 (EK1), Corn21_15 (EK1), CrunchyBoi_17 (EK1), DumpQuist_14 (EK1), EugeneKrabs_15 (EK), Fullmetal_15 (EK2), HitchHiker_17 (EK1), KingKamren_15 (EK), LesNorah_14 (EK1), LilyLou_15 (EK1), Mazun_15 (EK2), Moleficent_15 (EK2), Morrill_14 (EK2), Oatly_16 (EK1), Pabst_16 (EK1), Pharky_15 (EK2), Phedro_15 (EK2), Phogo_15 (EK1), Phractured_15 (EK2), PhriedRice_15 (EK2), PineapplePluto_17 (EK1), RicoCaldo_15 (EK2), StagePhright_15 (EK2), Stormbreaker_14 (EK1), TinyTimothy_14 (EK1), Unphazed_15 (EK1), Wesak_14 (EK1), Xitlalli_14 (EK1), YellowPanda_14 (EK1),

Start 12:
• Found in 9 of 44 (20.5%) of genes in pham
• Manual Annotations of this start: 6 of 36
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Akoni_14 (EK2), AloeVera_14 (EK2), Ashton_14 (EK2), Barroma_14 (EK2), Dashyla_15 (EK1), Fede_14 (EK2), JordanFarm_14 (EK2), Truong_14 (EK2), Waterlily_14 (EK2),

Summary by clusters:

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

Info for manual annotations of cluster EK:
•Start number 11 was manually annotated 1 time for cluster EK.

Info for manual annotations of cluster EK1:
•Start number 11 was manually annotated 19 times for cluster EK1.

Info for manual annotations of cluster EK2:
•Start number 11 was manually annotated 10 times for cluster EK2.
•Start number 12 was manually annotated 6 times for cluster EK2.

Gene Information:

Gene: Akoni_14 Start: 10158, Stop: 10024, Start Num: 12
Candidate Starts for Akoni_14:
(Start: 12 @10158 has 6 MA's), (15, 10113), (16, 10080), (20, 10041),

Gene: Alex44_15 Start: 10426, Stop: 10295, Start Num: 11

Candidate Starts for Alex44_15:
(6, 10534), (Start: 11 @10426 has 30 MA's), (15, 10384), (16, 10351),

Gene: AloeVera_14 Start: 10158, Stop: 10024, Start Num: 12
Candidate Starts for AloeVera_14:
(Start: 12 @10158 has 6 MA's), (15, 10113), (16, 10080), (20, 10041),

Gene: ArMaWen_14 Start: 10226, Stop: 10095, Start Num: 11
Candidate Starts for ArMaWen_14:
(Start: 11 @10226 has 30 MA's), (15, 10184), (16, 10151),

Gene: Ashton_14 Start: 10162, Stop: 10028, Start Num: 12
Candidate Starts for Ashton_14:
(Start: 12 @10162 has 6 MA's), (15, 10117), (16, 10084), (20, 10045),

Gene: Astartes_15 Start: 10427, Stop: 10290, Start Num: 11
Candidate Starts for Astartes_15:
(Start: 11 @10427 has 30 MA's), (15, 10382), (16, 10349), (17, 10343), (18, 10328),

Gene: Atraxi_14 Start: 10185, Stop: 10048, Start Num: 11
Candidate Starts for Atraxi_14:
(Start: 11 @10185 has 30 MA's), (15, 10140), (16, 10107), (17, 10101),

Gene: Barroma_14 Start: 10158, Stop: 10024, Start Num: 12
Candidate Starts for Barroma_14:
(Start: 12 @10158 has 6 MA's), (15, 10113), (16, 10080), (20, 10041),

Gene: Biozilla_16 Start: 10695, Stop: 10564, Start Num: 11
Candidate Starts for Biozilla_16:
(2, 10941), (8, 10746), (Start: 11 @10695 has 30 MA's), (15, 10653), (16, 10620),

Gene: Birdfeeder_14 Start: 10586, Stop: 10455, Start Num: 11
Candidate Starts for Birdfeeder_14:
(4, 10721), (6, 10694), (Start: 11 @10586 has 30 MA's), (15, 10544), (16, 10511),

Gene: BlueRugrat_14 Start: 10660, Stop: 10529, Start Num: 11
Candidate Starts for BlueRugrat_14:
(4, 10795), (Start: 11 @10660 has 30 MA's), (15, 10618), (16, 10585),

Gene: Corn21_15 Start: 10963, Stop: 10832, Start Num: 11
Candidate Starts for Corn21_15:
(10, 10996), (Start: 11 @10963 has 30 MA's), (15, 10921), (16, 10888),

Gene: CrunchyBoi_17 Start: 10830, Stop: 10699, Start Num: 11
Candidate Starts for CrunchyBoi_17:
(2, 11076), (8, 10881), (Start: 11 @10830 has 30 MA's), (15, 10788), (16, 10755),

Gene: Dashyla_15 Start: 10238, Stop: 10101, Start Num: 12
Candidate Starts for Dashyla_15:
(Start: 12 @10238 has 6 MA's), (13, 10229), (15, 10193), (16, 10160), (17, 10154), (19, 10124),

Gene: DumpQuist_14 Start: 10229, Stop: 10098, Start Num: 11
Candidate Starts for DumpQuist_14:

(Start: 11 @10229 has 30 MA's), (15, 10187), (16, 10154),

Gene: EugeneKrabs_15 Start: 10587, Stop: 10453, Start Num: 11
Candidate Starts for EugeneKrabs_15:
(1, 10851), (3, 10806), (5, 10704), (Start: 11 @10587 has 30 MA's), (14, 10575), (15, 10545), (16, 10512), (17, 10506), (18, 10491), (21, 10470),

Gene: Fede_14 Start: 10425, Stop: 10288, Start Num: 12
Candidate Starts for Fede_14:
(7, 10482), (8, 10479), (9, 10464), (Start: 12 @10425 has 6 MA's), (13, 10416), (15, 10380), (16, 10347), (17, 10341), (18, 10326), (19, 10311), (20, 10308),

Gene: Fullmetal_15 Start: 10424, Stop: 10287, Start Num: 11
Candidate Starts for Fullmetal_15:
(Start: 11 @10424 has 30 MA's), (15, 10379), (16, 10346), (17, 10340), (18, 10325),

Gene: HitchHiker_17 Start: 10695, Stop: 10564, Start Num: 11
Candidate Starts for HitchHiker_17:
(2, 10941), (8, 10746), (Start: 11 @10695 has 30 MA's), (15, 10653), (16, 10620),

Gene: JordanFarm_14 Start: 10158, Stop: 10024, Start Num: 12
Candidate Starts for JordanFarm_14:
(Start: 12 @10158 has 6 MA's), (15, 10113), (16, 10080), (20, 10041),

Gene: KingKamren_15 Start: 10602, Stop: 10468, Start Num: 11
Candidate Starts for KingKamren_15:
(Start: 11 @10602 has 30 MA's), (14, 10590), (15, 10560), (16, 10527), (17, 10521), (18, 10506), (21, 10485),

Gene: LesNorah_14 Start: 10753, Stop: 10622, Start Num: 11
Candidate Starts for LesNorah_14:
(4, 10888), (Start: 11 @10753 has 30 MA's), (15, 10711), (16, 10678),

Gene: LilyLou_15 Start: 10603, Stop: 10472, Start Num: 11
Candidate Starts for LilyLou_15:
(Start: 11 @10603 has 30 MA's), (15, 10561), (16, 10528),

Gene: Mazun_15 Start: 10425, Stop: 10288, Start Num: 11
Candidate Starts for Mazun_15:
(Start: 11 @10425 has 30 MA's), (15, 10380), (16, 10347), (17, 10341), (18, 10326),

Gene: Moleficent_15 Start: 10421, Stop: 10284, Start Num: 11
Candidate Starts for Moleficent_15:
(Start: 11 @10421 has 30 MA's), (15, 10376), (16, 10343), (17, 10337), (18, 10322),

Gene: Morrill_14 Start: 10163, Stop: 10026, Start Num: 11
Candidate Starts for Morrill_14:
(Start: 11 @10163 has 30 MA's), (15, 10118), (16, 10085), (17, 10079),

Gene: Oatly_16 Start: 10695, Stop: 10564, Start Num: 11
Candidate Starts for Oatly_16:
(2, 10941), (8, 10746), (Start: 11 @10695 has 30 MA's), (15, 10653), (16, 10620),

Gene: Pabst_16 Start: 10564, Stop: 10436, Start Num: 11
Candidate Starts for Pabst_16:
(10, 10597), (Start: 11 @10564 has 30 MA's), (15, 10522), (16, 10489),

Gene: Pharky_15 Start: 10388, Stop: 10251, Start Num: 11
Candidate Starts for Pharky_15:
(Start: 11 @10388 has 30 MA's), (15, 10343), (16, 10310), (17, 10304), (18, 10289),

Gene: Phedro_15 Start: 10388, Stop: 10251, Start Num: 11
Candidate Starts for Phedro_15:
(Start: 11 @10388 has 30 MA's), (15, 10343), (16, 10310), (17, 10304), (18, 10289),

Gene: Phogo_15 Start: 10435, Stop: 10304, Start Num: 11
Candidate Starts for Phogo_15:
(Start: 11 @10435 has 30 MA's), (15, 10393), (16, 10360),

Gene: Phractured_15 Start: 10388, Stop: 10251, Start Num: 11
Candidate Starts for Phractured_15:
(Start: 11 @10388 has 30 MA's), (15, 10343), (16, 10310), (17, 10304), (18, 10289),

Gene: PhriedRice_15 Start: 10388, Stop: 10251, Start Num: 11
Candidate Starts for PhriedRice_15:
(Start: 11 @10388 has 30 MA's), (15, 10343), (16, 10310), (17, 10304), (18, 10289),

Gene: PineapplePluto_17 Start: 10839, Stop: 10708, Start Num: 11
Candidate Starts for PineapplePluto_17:
(8, 10890), (Start: 11 @10839 has 30 MA's), (15, 10797), (16, 10764),

Gene: RicoCaldo_15 Start: 10416, Stop: 10279, Start Num: 11
Candidate Starts for RicoCaldo_15:
(Start: 11 @10416 has 30 MA's), (15, 10371), (16, 10338), (17, 10332), (18, 10317),

Gene: StagePhright_15 Start: 10388, Stop: 10251, Start Num: 11
Candidate Starts for StagePhright_15:
(Start: 11 @10388 has 30 MA's), (15, 10343), (16, 10310), (17, 10304), (18, 10289),

Gene: Stormbreaker_14 Start: 10565, Stop: 10434, Start Num: 11
Candidate Starts for Stormbreaker_14:
(4, 10700), (Start: 11 @10565 has 30 MA's), (15, 10523), (16, 10490),

Gene: TinyTimothy_14 Start: 10045, Stop: 9914, Start Num: 11
Candidate Starts for TinyTimothy_14:
(Start: 11 @10045 has 30 MA's), (15, 10006), (16, 9973),

Gene: Truong_14 Start: 10158, Stop: 10024, Start Num: 12
Candidate Starts for Truong_14:
(Start: 12 @10158 has 6 MA's), (15, 10113), (16, 10080), (20, 10041),

Gene: Unphazed_15 Start: 10462, Stop: 10331, Start Num: 11
Candidate Starts for Unphazed_15:
(Start: 11 @10462 has 30 MA's), (15, 10420), (16, 10387),

Gene: Waterlily_14 Start: 10158, Stop: 10024, Start Num: 12

Candidate Starts for Waterlily_14:
(Start: 12 @10158 has 6 MA's), (15, 10113), (16, 10080), (20, 10041),

Gene: Wesak_14 Start: 10045, Stop: 9914, Start Num: 11
Candidate Starts for Wesak_14:
(Start: 11 @10045 has 30 MA's), (15, 10006), (16, 9973),

Gene: Xitlalli_14 Start: 10568, Stop: 10437, Start Num: 11
Candidate Starts for Xitlalli_14:
(4, 10703), (Start: 11 @10568 has 30 MA's), (15, 10526), (16, 10493),

Gene: YellowPanda_14 Start: 10045, Stop: 9914, Start Num: 11
Candidate Starts for YellowPanda_14:
(Start: 11 @10045 has 30 MA's), (15, 10006), (16, 9973),