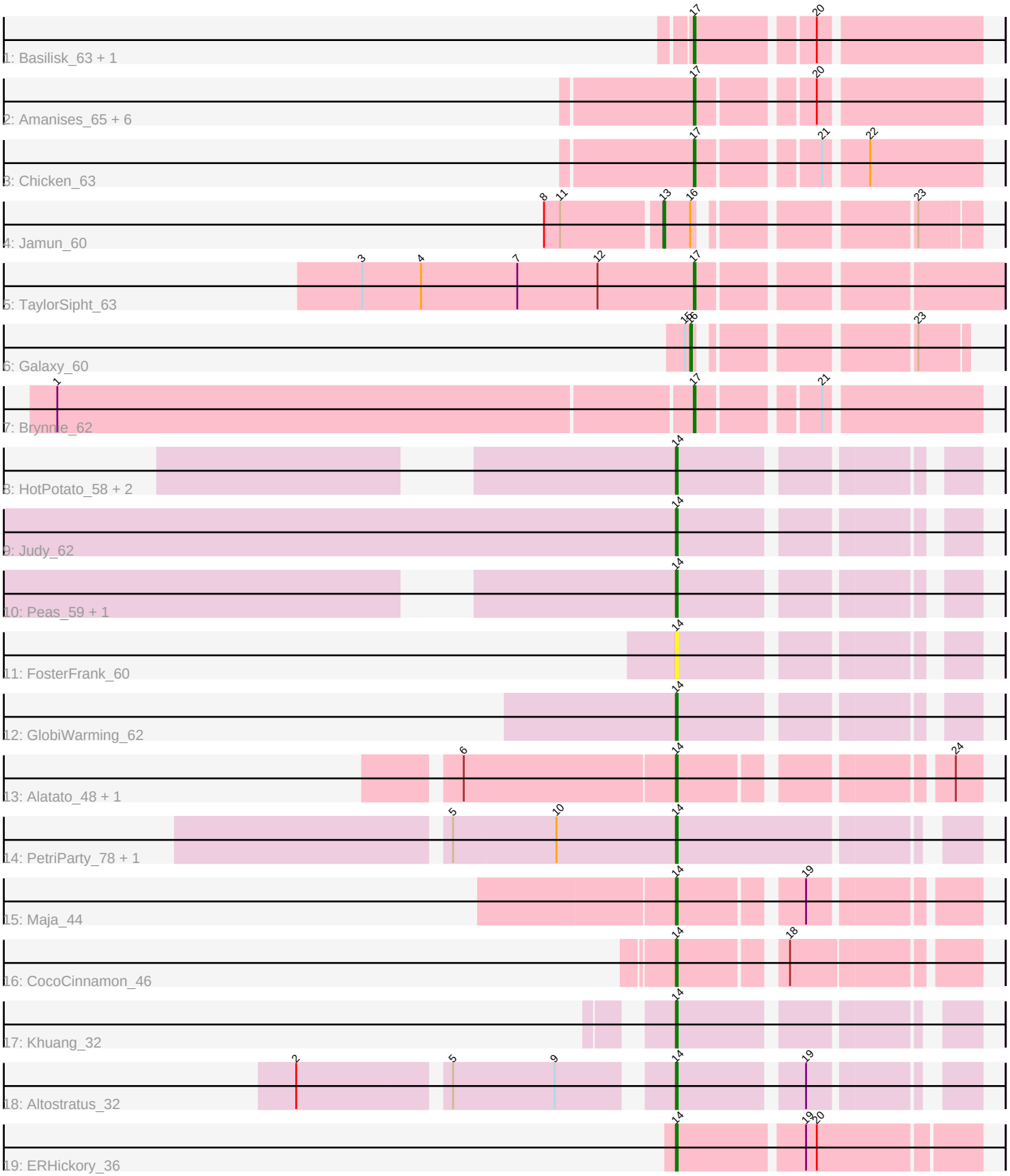
Pham 335117


1: Basilisk_63 + 1
2: Amanises_65 + 6
3: Chicken_63
4: Jamun_60
5: TaylorSipht_63
6: Galaxy_60
7: Brynnie_62
8: HotPotato_58 + 2
9: Judy_62
10: Peas_59 + 1
11: FosterFrank_60
12: GlobiWarming_62
13: Alatato_48 + 1
14: PetriParty_78 + 1
15: Maja_44
16: CocoCinnamon_46
17: Khuang_32
18: Altostratus_32
19: ERHickory_36

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 335117 Report

This analysis was run 11/14/26 on database version 672.

Pham number 335117 has 31 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Basilisk_63, Vulpecula_62
• Track 2 : Amanises_65, KendraB23_73, Gravel_73, Toad24_65, Zixiang_62, Pelletreau_73, Eesa_62
• Track 3 : Chicken_63
• Track 4 : Jamun_60
• Track 5 : TaylorSipht_63
• Track 6 : Galaxy_60
• Track 7 : Brynnie_62
• Track 8 : HotPotato_58, Eileen_53, Karkharias_57
• Track 9 : Judy_62
• Track 10 : Peas_59, Henrique_60
• Track 11 : FosterFrank_60
• Track 12 : GlobiWarming_62
• Track 13 : Alatato_48, LeBruni_65
• Track 14 : PetriParty_78, GUPitcher_73
• Track 15 : Maja_44
• Track 16 : CocoCinnamon_46
• Track 17 : Khuang_32
• Track 18 : Altostratus_32
• Track 19 : ERHickory_36

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

The start number called the most often in the published annotations is 14, it was called in 14 of the 25 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alatato_48, Altostratus_32, CocoCinnamon_46, ERHickory_36, Eileen_53, FosterFrank_60, GUPitcher_73, GlobiWarming_62, Henrique_60, HotPotato_58, Judy_62, Karkharias_57, Khuang_32, LeBruni_65, Maja_44, Peas_59, PetriParty_78,

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

Genes that do not have the "Most Annotated" start:
• Amanises_65, Basilisk_63, Brynnie_62, Chicken_63, Eesa_62, Galaxy_60, Gravel_73, Jamun_60, KendraB23_73, Pelletreau_73, TaylorSipht_63, Toad24_65, Vulpecula_62, Zixiang_62,

Summary by start number:

Start 13:
• Found in 1 of 31 (3.2%) 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: Jamun_60 (AS1),

Start 14:
• Found in 17 of 31 (54.8%) of genes in pham
• Manual Annotations of this start: 14 of 25
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alatato_48 (FB), Altostratus_32 (FS), CocoCinnamon_46 (FO), ERHickory_36 (singleton), Eileen_53 (FA), FosterFrank_60 (FA), GUPitcher_73 (FJ), GlobiWarming_62 (FA), Henrique_60 (FA), HotPotato_58 (FA), Judy_62 (FA), Karkharias_57 (FA), Khuang_32 (FS), LeBruni_65 (AY), Maja_44 (FO), Peas_59 (FA), PetriParty_78 (FJ),

Start 16:
• Found in 2 of 31 (6.5%) of genes in pham
• Manual Annotations of this start: 1 of 25
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Galaxy_60 (AS1),

Start 17:
• Found in 12 of 31 (38.7%) of genes in pham
• Manual Annotations of this start: 9 of 25
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amanises_65 (AS1), Basilisk_63 (AS1), Brynnie_62 (AS1), Chicken_63 (AS1), Eesa_62 (AS1), Gravel_73 (AS1), KendraB23_73 (AS1), Pelletreau_73 (AS1), TaylorSipht_63 (AS1), Toad24_65 (AS1), Vulpecula_62 (AS1), Zixiang_62 (AS1),

Summary by clusters:

There are 8 clusters represented in this pham: AS1, FS, singleton, FA, FB, AY, FJ, FO,

Info for manual annotations of cluster AS1:
•Start number 13 was manually annotated 1 time for cluster AS1.
•Start number 16 was manually annotated 1 time for cluster AS1.
•Start number 17 was manually annotated 9 times for cluster AS1.

Info for manual annotations of cluster AY:
•Start number 14 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster FA:
•Start number 14 was manually annotated 6 times for cluster FA.

Info for manual annotations of cluster FB:
•Start number 14 was manually annotated 1 time for cluster FB.

Info for manual annotations of cluster FJ:
•Start number 14 was manually annotated 1 time for cluster FJ.

Info for manual annotations of cluster FO:
•Start number 14 was manually annotated 2 times for cluster FO.

Info for manual annotations of cluster FS:
•Start number 14 was manually annotated 2 times for cluster FS.

Gene Information:

Gene: Alatato_48 Start: 29479, Stop: 29622, Start Num: 14
Candidate Starts for Alatato_48:
(6, 29362), (Start: 14 @29479 has 14 MA's), (24, 29608),

Gene: Altostratus_32 Start: 23255, Stop: 23115, Start Num: 14
Candidate Starts for Altostratus_32:
(2, 23444), (5, 23366), (9, 23309), (Start: 14 @23255 has 14 MA's), (19, 23192),

Gene: Amanises_65 Start: 38607, Stop: 38750, Start Num: 17
Candidate Starts for Amanises_65:
(Start: 17 @38607 has 9 MA's), (20, 38664),

Gene: Basilisk_63 Start: 37425, Stop: 37571, Start Num: 17
Candidate Starts for Basilisk_63:
(Start: 17 @37425 has 9 MA's), (20, 37485),

Gene: Brynnie_62 Start: 37628, Stop: 37771, Start Num: 17
Candidate Starts for Brynnie_62:
(1, 37277), (Start: 17 @37628 has 9 MA's), (21, 37688),

Gene: Chicken_63 Start: 38598, Stop: 38741, Start Num: 17
Candidate Starts for Chicken_63:
(Start: 17 @38598 has 9 MA's), (21, 38658), (22, 38679),

Gene: CocoCinnamon_46 Start: 31408, Stop: 31554, Start Num: 14
Candidate Starts for CocoCinnamon_46:
(Start: 14 @31408 has 14 MA's), (18, 31459),

Gene: ERHickory_36 Start: 17106, Stop: 16948, Start Num: 14
Candidate Starts for ERHickory_36:
(Start: 14 @17106 has 14 MA's), (19, 17040), (20, 17034),

Gene: Eesa_62 Start: 38648, Stop: 38791, Start Num: 17
Candidate Starts for Eesa_62:
(Start: 17 @38648 has 9 MA's), (20, 38705),

Gene: Eileen_53 Start: 34007, Stop: 34147, Start Num: 14
Candidate Starts for Eileen_53:
(Start: 14 @34007 has 14 MA's),

Gene: FosterFrank_60 Start: 35927, Stop: 36067, Start Num: 14
Candidate Starts for FosterFrank_60:
(Start: 14 @35927 has 14 MA's),

Gene: GUPitcher_73 Start: 42390, Stop: 42542, Start Num: 14
Candidate Starts for GUPitcher_73:
(5, 42267), (10, 42324), (Start: 14 @42390 has 14 MA's),

Gene: Galaxy_60 Start: 36232, Stop: 36360, Start Num: 16
Candidate Starts for Galaxy_60:
(15, 36229), (Start: 16 @36232 has 1 MA's), (23, 36334),

Gene: GlobiWarming_62 Start: 36338, Stop: 36478, Start Num: 14
Candidate Starts for GlobiWarming_62:
(Start: 14 @36338 has 14 MA's),

Gene: Gravel_73 Start: 38904, Stop: 39047, Start Num: 17
Candidate Starts for Gravel_73:
(Start: 17 @38904 has 9 MA's), (20, 38961),

Gene: Henrique_60 Start: 35955, Stop: 36095, Start Num: 14
Candidate Starts for Henrique_60:
(Start: 14 @35955 has 14 MA's),

Gene: HotPotato_58 Start: 36668, Stop: 36808, Start Num: 14
Candidate Starts for HotPotato_58:
(Start: 14 @36668 has 14 MA's),

Gene: Jamun_60 Start: 37626, Stop: 37775, Start Num: 13
Candidate Starts for Jamun_60:
(8, 37563), (11, 37572), (Start: 13 @37626 has 1 MA's), (Start: 16 @37641 has 1 MA's), (23, 37743),

Gene: Judy_62 Start: 37292, Stop: 37432, Start Num: 14
Candidate Starts for Judy_62:
(Start: 14 @37292 has 14 MA's),

Gene: Karkharias_57 Start: 36158, Stop: 36298, Start Num: 14
Candidate Starts for Karkharias_57:
(Start: 14 @36158 has 14 MA's),

Gene: KendraB23_73 Start: 38609, Stop: 38752, Start Num: 17
Candidate Starts for KendraB23_73:
(Start: 17 @38609 has 9 MA's), (20, 38666),

Gene: Khuang_32 Start: 23901, Stop: 23761, Start Num: 14
Candidate Starts for Khuang_32:
(Start: 14 @23901 has 14 MA's),

Gene: LeBruni_65 Start: 34896, Stop: 35039, Start Num: 14

Candidate Starts for LeBruni_65:
(6, 34779), (Start: 14 @34896 has 14 MA's), (24, 35025),

Gene: Maja_44 Start: 31812, Stop: 31955, Start Num: 14
Candidate Starts for Maja_44:
(Start: 14 @31812 has 14 MA's), (19, 31872),

Gene: Peas_59 Start: 37976, Stop: 38116, Start Num: 14
Candidate Starts for Peas_59:
(Start: 14 @37976 has 14 MA's),

Gene: Pelletreau_73 Start: 38904, Stop: 39047, Start Num: 17
Candidate Starts for Pelletreau_73:
(Start: 17 @38904 has 9 MA's), (20, 38961),

Gene: PetriParty_78 Start: 42194, Stop: 42343, Start Num: 14
Candidate Starts for PetriParty_78:
(5, 42071), (10, 42128), (Start: 14 @42194 has 14 MA's),

Gene: TaylorSipht_63 Start: 38119, Stop: 38274, Start Num: 17
Candidate Starts for TaylorSipht_63:
(3, 37933), (4, 37966), (7, 38020), (12, 38065), (Start: 17 @38119 has 9 MA's),

Gene: Toad24_65 Start: 38661, Stop: 38804, Start Num: 17
Candidate Starts for Toad24_65:
(Start: 17 @38661 has 9 MA's), (20, 38718),

Gene: Vulpecula_62 Start: 36799, Stop: 36945, Start Num: 17
Candidate Starts for Vulpecula_62:
(Start: 17 @36799 has 9 MA's), (20, 36859),

Gene: Zixiang_62 Start: 38025, Stop: 38168, Start Num: 17
Candidate Starts for Zixiang_62:
(Start: 17 @38025 has 9 MA's), (20, 38082),