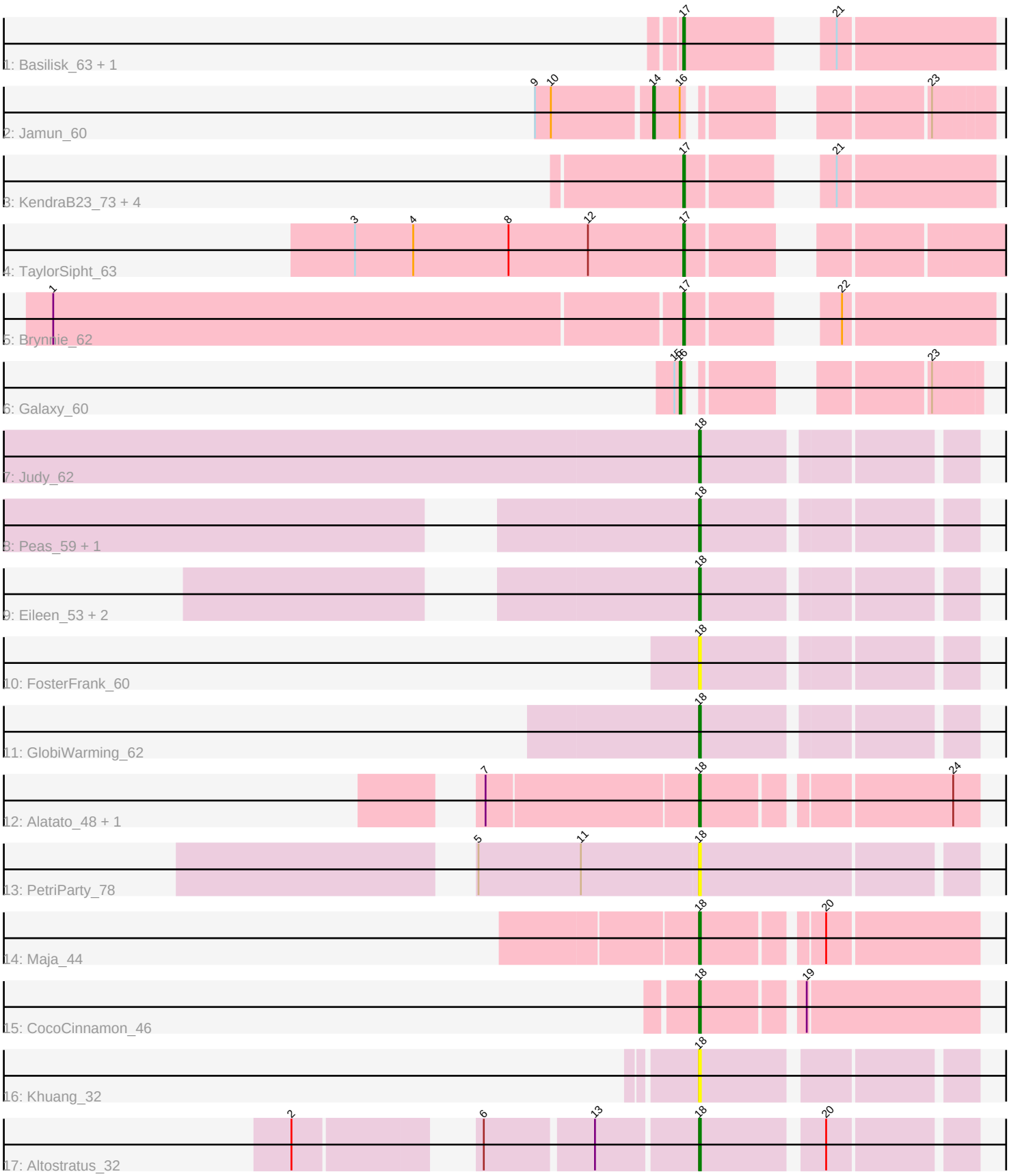
Pham 280795


1: Basilisk_63 + 1
2: Jamun_60
3: KendraB23_73 + 4
4: TaylorSipht_63
5: Brynnie_62
6: Galaxy_60
7: Judy_62
8: Peas_59 + 1
9: Eileen_53 + 2
10: FosterFrank_60
11: GlobiWarming_62
12: Alatato_48 + 1
13: PetriParty_78
14: Maja_44
15: CocoCinnamon_46
16: Khuang_32
17: Altostratus_32

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 280795 Report

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

Pham number 280795 has 26 members, 9 are drafts.

Phages represented in each track:
• Track 1 : Basilisk_63, Vulpecula_62
• Track 2 : Jamun_60
• Track 3 : KendraB23_73, Gravel_73, Toad24_65, Pelletreau_73, Eesa_62
• Track 4 : TaylorSipht_63
• Track 5 : Brynnie_62
• Track 6 : Galaxy_60
• Track 7 : Judy_62
• Track 8 : Peas_59, Henrique_60
• Track 9 : Eileen_53, Karkharias_57, HotPotato_58
• Track 10 : FosterFrank_60
• Track 11 : GlobiWarming_62
• Track 12 : Alatato_48, LeBruni_67
• Track 13 : PetriParty_78
• Track 14 : Maja_44
• Track 15 : CocoCinnamon_46
• Track 16 : Khuang_32
• Track 17 : Altostratus_32

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 9 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alatato_48, Altostratus_32, CocoCinnamon_46, Eileen_53, FosterFrank_60, GlobiWarming_62, Henrique_60, HotPotato_58, Judy_62, Karkharias_57, Khuang_32, LeBruni_67, 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:
• Basilisk_63, Brynnie_62, Eesa_62, Galaxy_60, Gravel_73, Jamun_60, KendraB23_73, Pelletreau_73, TaylorSipht_63, Toad24_65, Vulpecula_62,

Summary by start number:

Start 14:
• Found in 1 of 26 (3.8%) of genes in pham
• Manual Annotations of this start: 1 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jamun_60 (AS1),

Start 16:
• Found in 2 of 26 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 17
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Galaxy_60 (AS1),

Start 17:
• Found in 9 of 26 (34.6%) of genes in pham
• Manual Annotations of this start: 6 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Basilisk_63 (AS1), Brynnie_62 (AS1), Eesa_62 (AS1), Gravel_73 (AS1), KendraB23_73 (AS1), Pelletreau_73 (AS1), TaylorSipht_63 (AS1), Toad24_65 (AS1), Vulpecula_62 (AS1),

Start 18:
• Found in 15 of 26 (57.7%) of genes in pham
• Manual Annotations of this start: 9 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alatato_48 (FB), Altostratus_32 (FS), CocoCinnamon_46 (FO), Eileen_53 (FA), FosterFrank_60 (FA), GlobiWarming_62 (FA), Henrique_60 (FA), HotPotato_58 (FA), Judy_62 (FA), Karkharias_57 (FA), Khuang_32 (FS), LeBruni_67 (AY), Maja_44 (FO), Peas_59 (FA), PetriParty_78 (FJ),

Summary by clusters:

There are 7 clusters represented in this pham: AS1, FS, FA, FB, AY, FJ, FO,

Info for manual annotations of cluster AS1:
•Start number 14 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 6 times for cluster AS1.

Info for manual annotations of cluster FA:
•Start number 18 was manually annotated 5 times for cluster FA.

Info for manual annotations of cluster FB:
•Start number 18 was manually annotated 1 time for cluster FB.

Info for manual annotations of cluster FO:
•Start number 18 was manually annotated 2 times for cluster FO.

Info for manual annotations of cluster FS:

•Start number 18 was manually annotated 1 time for cluster FS.

Gene Information:

Gene: Alatato_48 Start: 29479, Stop: 29622, Start Num: 18
Candidate Starts for Alatato_48:
(7, 29362), (Start: 18 @29479 has 9 MA's), (24, 29608),

Gene: Altostratus_32 Start: 23255, Stop: 23115, Start Num: 18
Candidate Starts for Altostratus_32:
(2, 23444), (6, 23366), (13, 23309), (Start: 18 @23255 has 9 MA's), (20, 23192),

Gene: Basilisk_63 Start: 37425, Stop: 37571, Start Num: 17
Candidate Starts for Basilisk_63:
(Start: 17 @37425 has 6 MA's), (21, 37485),

Gene: Brynnie_62 Start: 37628, Stop: 37771, Start Num: 17
Candidate Starts for Brynnie_62:
(1, 37277), (Start: 17 @37628 has 6 MA's), (22, 37688),

Gene: CocoCinnamon_46 Start: 31408, Stop: 31554, Start Num: 18
Candidate Starts for CocoCinnamon_46:
(Start: 18 @31408 has 9 MA's), (19, 31459),

Gene: Eesa_62 Start: 38648, Stop: 38791, Start Num: 17
Candidate Starts for Eesa_62:
(Start: 17 @38648 has 6 MA's), (21, 38705),

Gene: Eileen_53 Start: 34007, Stop: 34147, Start Num: 18
Candidate Starts for Eileen_53:
(Start: 18 @34007 has 9 MA's),

Gene: FosterFrank_60 Start: 35927, Stop: 36067, Start Num: 18
Candidate Starts for FosterFrank_60:
(Start: 18 @35927 has 9 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: 18
Candidate Starts for GlobiWarming_62:
(Start: 18 @36338 has 9 MA's),

Gene: Gravel_73 Start: 38904, Stop: 39047, Start Num: 17
Candidate Starts for Gravel_73:
(Start: 17 @38904 has 6 MA's), (21, 38961),

Gene: Henrique_60 Start: 35955, Stop: 36095, Start Num: 18
Candidate Starts for Henrique_60:
(Start: 18 @35955 has 9 MA's),

Gene: HotPotato_58 Start: 36668, Stop: 36808, Start Num: 18
Candidate Starts for HotPotato_58:
(Start: 18 @36668 has 9 MA's),

Gene: Jamun_60 Start: 37626, Stop: 37775, Start Num: 14
Candidate Starts for Jamun_60:
(9, 37563), (10, 37572), (Start: 14 @37626 has 1 MA's), (Start: 16 @37641 has 1 MA's), (23, 37743),

Gene: Judy_62 Start: 37292, Stop: 37432, Start Num: 18
Candidate Starts for Judy_62:
(Start: 18 @37292 has 9 MA's),

Gene: Karkharias_57 Start: 36158, Stop: 36298, Start Num: 18
Candidate Starts for Karkharias_57:
(Start: 18 @36158 has 9 MA's),

Gene: KendraB23_73 Start: 38609, Stop: 38752, Start Num: 17
Candidate Starts for KendraB23_73:
(Start: 17 @38609 has 6 MA's), (21, 38666),

Gene: Khuang_32 Start: 23901, Stop: 23761, Start Num: 18
Candidate Starts for Khuang_32:
(Start: 18 @23901 has 9 MA's),

Gene: LeBruni_67 Start: 34896, Stop: 35039, Start Num: 18
Candidate Starts for LeBruni_67:
(7, 34779), (Start: 18 @34896 has 9 MA's), (24, 35025),

Gene: Maja_44 Start: 31812, Stop: 31955, Start Num: 18
Candidate Starts for Maja_44:
(Start: 18 @31812 has 9 MA's), (20, 31872),

Gene: Peas_59 Start: 37976, Stop: 38116, Start Num: 18
Candidate Starts for Peas_59:
(Start: 18 @37976 has 9 MA's),

Gene: Pelletreau_73 Start: 38904, Stop: 39047, Start Num: 17
Candidate Starts for Pelletreau_73:
(Start: 17 @38904 has 6 MA's), (21, 38961),

Gene: PetriParty_78 Start: 42194, Stop: 42343, Start Num: 18
Candidate Starts for PetriParty_78:
(5, 42071), (11, 42128), (Start: 18 @42194 has 9 MA's),

Gene: TaylorSipht_63 Start: 38119, Stop: 38274, Start Num: 17
Candidate Starts for TaylorSipht_63:
(3, 37933), (4, 37966), (8, 38020), (12, 38065), (Start: 17 @38119 has 6 MA's),

Gene: Toad24_65 Start: 38661, Stop: 38804, Start Num: 17
Candidate Starts for Toad24_65:
(Start: 17 @38661 has 6 MA's), (21, 38718),

Gene: Vulpecula_62 Start: 36799, Stop: 36945, Start Num: 17
Candidate Starts for Vulpecula_62:
(Start: 17 @36799 has 6 MA's), (21, 36859),