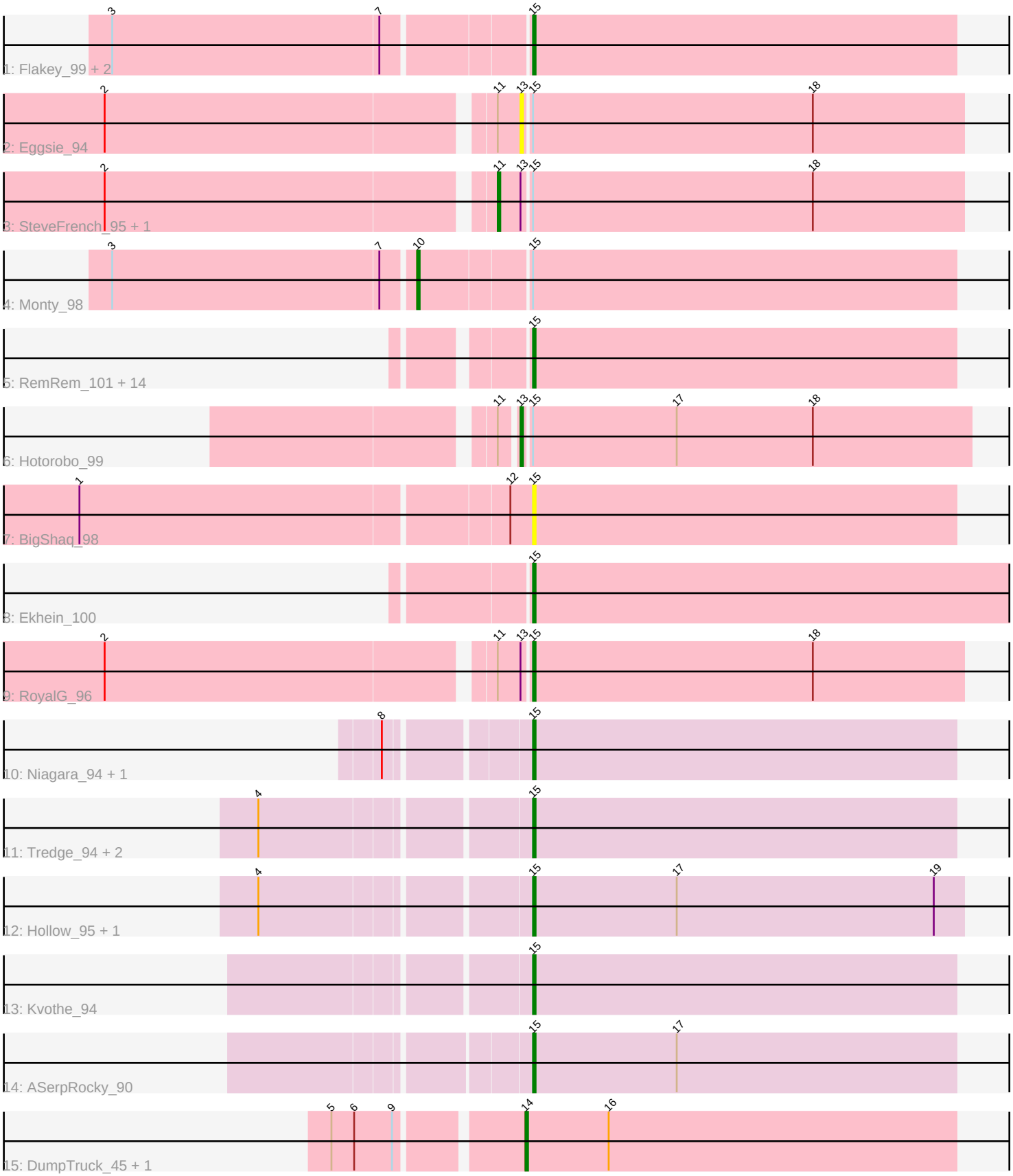
Pham 86167


1: Flakey_99 + 2
2: Eggsie_94
3: SteveFrench_95 + 1
4: Monty_98
5: RemRem_101 + 14
6: Hotorobo_99
7: BigShaq_98
8: Ekhein_100
9: RoyalG_96
10: Niagara_94 + 1
11: Tredge_94 + 2
12: Hollow_95 + 1
13: Kvothe_94
14: ASerpRocky_90
15: DumpTruck_45 + 1

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 86167 Report

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

Pham number 86167 has 37 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Flakey_99, Barbochs_97, Linetti_98
• Track 2 : Eggsie_94
• Track 3 : SteveFrench_95, Diabla_101
• Track 4 : Monty_98
• Track 5 : RemRem_101, Breezic_99, BirksAndSocks_101, Poland_103, Boneham_100, Jellybones_99, Gorko_96, Msay19_102, Butterball_99, Adgers_100, Squibbles_98, Sombrero_99, John316_101, Beaver_101, FelixAlejandro_101
• Track 6 : Hotorobo_99
• Track 7 : BigShaq_98
• Track 8 : Ekhein_100
• Track 9 : RoyalG_96
• Track 10 : Niagara_94, Teech_92
• Track 11 : Tredge_94, Katyusha_93, Teatealatte_95
• Track 12 : Hollow_95, Demosthenes_90
• Track 13 : Kvothe_94
• Track 14 : ASerpRocky_90
• Track 15 : DumpTruck_45, Xenia2_46

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

The start number called the most often in the published annotations is 15, it was called in 25 of the 31 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ASerpRocky_90, Adgers_100, Barbochs_97, Beaver_101, BigShaq_98, BirksAndSocks_101, Boneham_100, Breezic_99, Butterball_99, Demosthenes_90, Ekhein_100, FelixAlejandro_101, Flakey_99, Gorko_96, Hollow_95, Jellybones_99, John316_101, Katyusha_93, Kvothe_94, Linetti_98, Msay19_102, Niagara_94, Poland_103, RemRem_101, RoyalG_96, Sombrero_99, Squibbles_98, Teatealatte_95, Teech_92, Tredge_94,

Genes that have the "Most Annotated" start but do not call it:
• Diabla_101, Eggsie_94, Hotorobo_99, Monty_98, SteveFrench_95,

Genes that do not have the "Most Annotated" start:
• DumpTruck_45, Xenia2_46,

Summary by start number:

Start 10:
• Found in 1 of 37 (2.7%) of genes in pham
• Manual Annotations of this start: 1 of 31
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Monty_98 (CS2),

Start 11:
• Found in 5 of 37 (13.5%) of genes in pham
• Manual Annotations of this start: 2 of 31
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Diabla_101 (CS2), SteveFrench_95 (CS2),

Start 13:
• Found in 5 of 37 (13.5%) of genes in pham
• Manual Annotations of this start: 1 of 31
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Eggsie_94 (CS2), Hotorobo_99 (CS2),

Start 14:
• Found in 2 of 37 (5.4%) of genes in pham
• Manual Annotations of this start: 2 of 31
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DumpTruck_45 (DV), Xenia2_46 (DV),

Start 15:
• Found in 35 of 37 (94.6%) of genes in pham
• Manual Annotations of this start: 25 of 31
• Called 85.7% of time when present
• Phage (with cluster) where this start called: ASerpRocky_90 (CS4), Adgers_100 (CS2), Barbochs_97 (CS2), Beaver_101 (CS2), BigShaq_98 (CS2), BirksAndSocks_101 (CS2), Boneham_100 (CS2), Breezic_99 (CS2), Butterball_99 (CS2), Demosthenes_90 (CS4), Ekhein_100 (CS2), FelixAlejandro_101 (CS2), Flakey_99 (CS2), Gorko_96 (CS2), Hollow_95 (CS4), Jellybones_99 (CS2), John316_101 (CS2), Katyusha_93 (CS4), Kvothe_94 (CS4), Linetti_98 (CS2), Msay19_102 (CS2), Niagara_94 (CS4), Poland_103 (CS2), RemRem_101 (CS2), RoyalG_96 (CS2), Sombrero_99 (CS2), Squibbles_98 (CS2), Teatealatte_95 (CS4), Teech_92 (CS4), Tredge_94 (CS4),

Summary by clusters:

There are 3 clusters represented in this pham: DV, CS4, CS2,

Info for manual annotations of cluster CS2:
•Start number 10 was manually annotated 1 time for cluster CS2.
•Start number 11 was manually annotated 2 times for cluster CS2.
•Start number 13 was manually annotated 1 time for cluster CS2.
•Start number 15 was manually annotated 17 times for cluster CS2.

Info for manual annotations of cluster CS4:
•Start number 15 was manually annotated 8 times for cluster CS4.

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

Gene Information:

Gene: ASerpRocky_90 Start: 70826, Stop: 70659, Start Num: 15
Candidate Starts for ASerpRocky_90:
(Start: 15 @70826 has 25 MA's), (17, 70769),

Gene: Adgers_100 Start: 71052, Stop: 70885, Start Num: 15
Candidate Starts for Adgers_100:
(Start: 15 @71052 has 25 MA's),

Gene: Barbochs_97 Start: 70240, Stop: 70073, Start Num: 15
Candidate Starts for Barbochs_97:
(3, 70399), (7, 70294), (Start: 15 @70240 has 25 MA's),

Gene: Beaver_101 Start: 72393, Stop: 72226, Start Num: 15
Candidate Starts for Beaver_101:
(Start: 15 @72393 has 25 MA's),

Gene: BigShaq_98 Start: 71389, Stop: 71222, Start Num: 15
Candidate Starts for BigShaq_98:
(1, 71563), (12, 71398), (Start: 15 @71389 has 25 MA's),

Gene: BirksAndSocks_101 Start: 72010, Stop: 71843, Start Num: 15
Candidate Starts for BirksAndSocks_101:
(Start: 15 @72010 has 25 MA's),

Gene: Boneham_100 Start: 71935, Stop: 71768, Start Num: 15
Candidate Starts for Boneham_100:
(Start: 15 @71935 has 25 MA's),

Gene: Breezic_99 Start: 70941, Stop: 70774, Start Num: 15
Candidate Starts for Breezic_99:
(Start: 15 @70941 has 25 MA's),

Gene: Butterball_99 Start: 71940, Stop: 71773, Start Num: 15
Candidate Starts for Butterball_99:
(Start: 15 @71940 has 25 MA's),

Gene: Demosthenes_90 Start: 70666, Stop: 70496, Start Num: 15
Candidate Starts for Demosthenes_90:
(4, 70765), (Start: 15 @70666 has 25 MA's), (17, 70609), (19, 70507),

Gene: Diabla_101 Start: 71830, Stop: 71648, Start Num: 11
Candidate Starts for Diabla_101:

(2, 71977), (Start: 11 @71830 has 2 MA's), (Start: 13 @71821 has 1 MA's), (Start: 15 @71818 has 25 MA's), (18, 71707),

Gene: DumpTruck_45 Start: 34871, Stop: 35041, Start Num: 14
Candidate Starts for DumpTruck_45:
(5, 34802), (6, 34811), (9, 34826), (Start: 14 @34871 has 2 MA's), (16, 34904),

Gene: Eggsie_94 Start: 69377, Stop: 69204, Start Num: 13
Candidate Starts for Eggsie_94:
(2, 69533), (Start: 11 @69386 has 2 MA's), (Start: 13 @69377 has 1 MA's), (Start: 15 @69374 has 25 MA's), (18, 69263),

Gene: Ekhein_100 Start: 70988, Stop: 70791, Start Num: 15
Candidate Starts for Ekhein_100:
(Start: 15 @70988 has 25 MA's),

Gene: FelixAlejandro_101 Start: 72450, Stop: 72283, Start Num: 15
Candidate Starts for FelixAlejandro_101:
(Start: 15 @72450 has 25 MA's),

Gene: Flakey_99 Start: 71882, Stop: 71715, Start Num: 15
Candidate Starts for Flakey_99:
(3, 72041), (7, 71936), (Start: 15 @71882 has 25 MA's),

Gene: Gorko_96 Start: 70154, Stop: 69987, Start Num: 15
Candidate Starts for Gorko_96:
(Start: 15 @70154 has 25 MA's),

Gene: Hollow_95 Start: 71982, Stop: 71812, Start Num: 15
Candidate Starts for Hollow_95:
(4, 72081), (Start: 15 @71982 has 25 MA's), (17, 71925), (19, 71823),

Gene: Hotorobo_99 Start: 71735, Stop: 71559, Start Num: 13
Candidate Starts for Hotorobo_99:
(Start: 11 @71741 has 2 MA's), (Start: 13 @71735 has 1 MA's), (Start: 15 @71732 has 25 MA's), (17, 71675), (18, 71621),

Gene: Jellybones_99 Start: 72138, Stop: 71971, Start Num: 15
Candidate Starts for Jellybones_99:
(Start: 15 @72138 has 25 MA's),

Gene: John316_101 Start: 72112, Stop: 71945, Start Num: 15
Candidate Starts for John316_101:
(Start: 15 @72112 has 25 MA's),

Gene: Katyusha_93 Start: 71935, Stop: 71768, Start Num: 15
Candidate Starts for Katyusha_93:
(4, 72034), (Start: 15 @71935 has 25 MA's),

Gene: Kvothe_94 Start: 71944, Stop: 71777, Start Num: 15
Candidate Starts for Kvothe_94:
(Start: 15 @71944 has 25 MA's),

Gene: Linetti_98 Start: 72553, Stop: 72386, Start Num: 15
Candidate Starts for Linetti_98:
(3, 72712), (7, 72607), (Start: 15 @72553 has 25 MA's),

Gene: Monty_98 Start: 70715, Stop: 70506, Start Num: 10
Candidate Starts for Monty_98:
(3, 70832), (7, 70727), (Start: 10 @70715 has 1 MA's), (Start: 15 @70673 has 25 MA's),

Gene: Msay19_102 Start: 72736, Stop: 72569, Start Num: 15
Candidate Starts for Msay19_102:
(Start: 15 @72736 has 25 MA's),

Gene: Niagara_94 Start: 71868, Stop: 71701, Start Num: 15
Candidate Starts for Niagara_94:
(8, 71919), (Start: 15 @71868 has 25 MA's),

Gene: Poland_103 Start: 72718, Stop: 72551, Start Num: 15
Candidate Starts for Poland_103:
(Start: 15 @72718 has 25 MA's),

Gene: RemRem_101 Start: 70962, Stop: 70795, Start Num: 15
Candidate Starts for RemRem_101:
(Start: 15 @70962 has 25 MA's),

Gene: RoyalG_96 Start: 70565, Stop: 70395, Start Num: 15
Candidate Starts for RoyalG_96:
(2, 70724), (Start: 11 @70577 has 2 MA's), (Start: 13 @70568 has 1 MA's), (Start: 15 @70565 has 25 MA's), (18, 70454),

Gene: Sombrero_99 Start: 71017, Stop: 70850, Start Num: 15
Candidate Starts for Sombrero_99:
(Start: 15 @71017 has 25 MA's),

Gene: Squibbles_98 Start: 71488, Stop: 71321, Start Num: 15
Candidate Starts for Squibbles_98:
(Start: 15 @71488 has 25 MA's),

Gene: SteveFrench_95 Start: 70817, Stop: 70635, Start Num: 11
Candidate Starts for SteveFrench_95:
(2, 70964), (Start: 11 @70817 has 2 MA's), (Start: 13 @70808 has 1 MA's), (Start: 15 @70805 has 25 MA's), (18, 70694),

Gene: Teatealatte_95 Start: 71952, Stop: 71785, Start Num: 15
Candidate Starts for Teatealatte_95:
(4, 72051), (Start: 15 @71952 has 25 MA's),

Gene: Teech_92 Start: 71581, Stop: 71414, Start Num: 15
Candidate Starts for Teech_92:
(8, 71632), (Start: 15 @71581 has 25 MA's),

Gene: Tredge_94 Start: 71952, Stop: 71785, Start Num: 15
Candidate Starts for Tredge_94:
(4, 72051), (Start: 15 @71952 has 25 MA's),

Gene: Xenia2_46 Start: 34919, Stop: 35089, Start Num: 14
Candidate Starts for Xenia2_46:
(5, 34850), (6, 34859), (9, 34874), (Start: 14 @34919 has 2 MA's), (16, 34952),