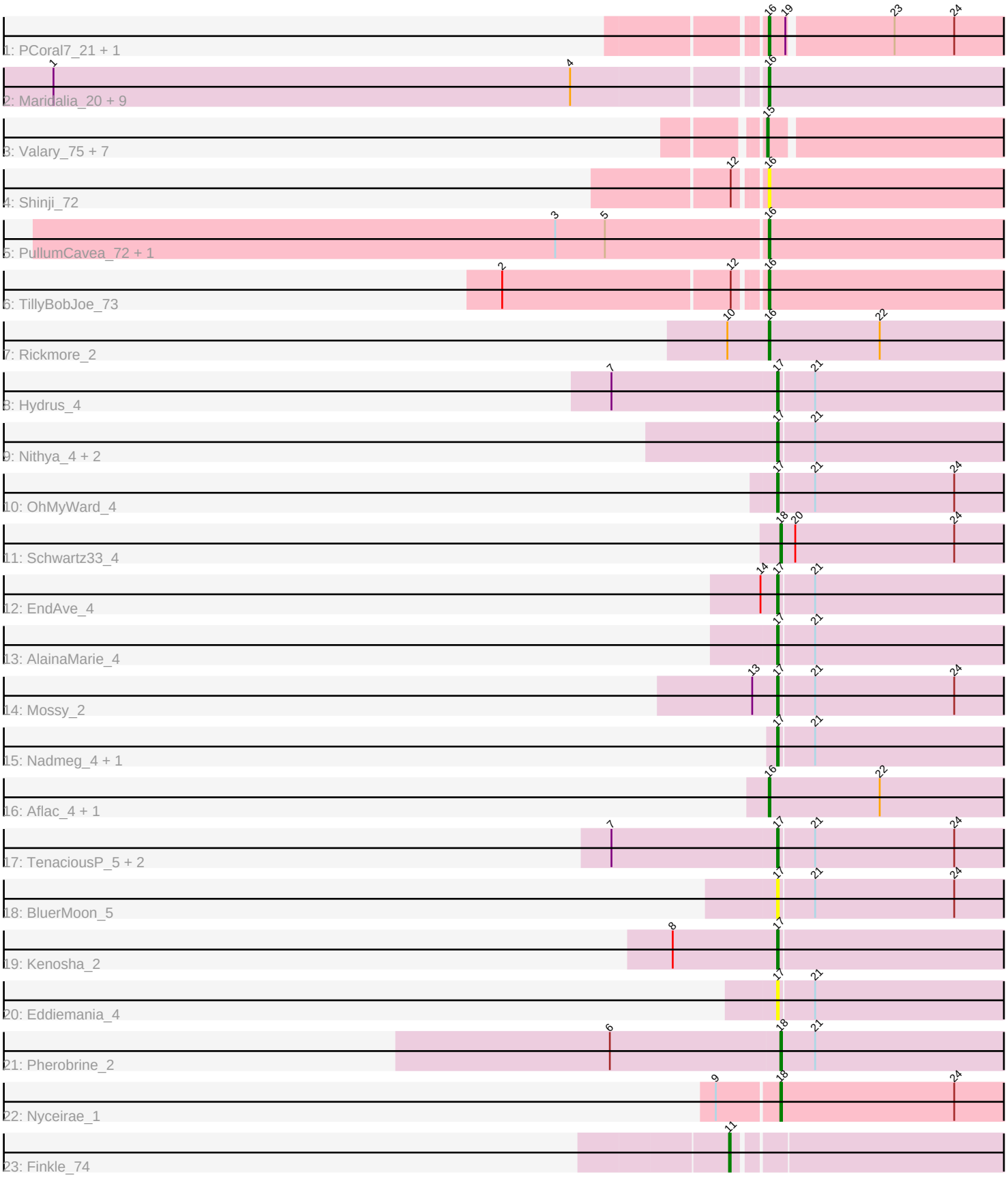
Pham 85891


1: PCoral7_21 + 1
2: Maridalia_20 + 9
3: Valary_75 + 7
4: Shinji_72
5: PullumCavea_72 + 1
6: TillyBobJoe_73
7: Rickmore_2
8: Hydrus_4
9: Nithya_4 + 2
10: OhMyWard_4
11: Schwartz33_4
12: EndAve_4
13: AlainaMarie_4
14: Mossy_2
15: Nadmeg_4 + 1
16: Aflac_4 + 1
17: TenaciousP_5 + 2
18: BluerMoon_5
19: Kenosha_2
20: Eddiemania_4
21: Pherobrine_2
22: Nyceirae_1
23: Finkle_74

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 85891 Report

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

Pham number 85891 has 47 members, 5 are drafts.

Phages represented in each track:
• Track 1 : PCoral7_21, Toast_21
• Track 2 : Maridalia_20, Suscepit_21, Neobush_21, Eudoria_21, Trumpet_21, Tayonia_21, Antonio_21, Zameen_21, Kita_21, Manasvini_21
• Track 3 : Valary_75, ClamChowder_76, Gezellig_74, KimmyK_74, Halo3_72, Fugax_77, Barb_76, Wizard_71
• Track 4 : Shinji_72
• Track 5 : PullumCavea_72, Phlop_71
• Track 6 : TillyBobJoe_73
• Track 7 : Rickmore_2
• Track 8 : Hydrus_4
• Track 9 : Nithya_4, Chikenjars_4, Duffington_4
• Track 10 : OhMyWard_4
• Track 11 : Schwartz33_4
• Track 12 : EndAve_4
• Track 13 : AlainaMarie_4
• Track 14 : Mossy_2
• Track 15 : Nadmeg_4, Vardy_4
• Track 16 : Aflac_4, Figliar_4
• Track 17 : TenaciousP_5, Jodelie19_4, OlgasClover_4
• Track 18 : BluerMoon_5
• Track 19 : Kenosha_2
• Track 20 : Eddiemania_4
• Track 21 : Pherobrine_2
• Track 22 : Nyceirae_1
• Track 23 : Finkle_74

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

The start number called the most often in the published annotations is 16, it was called in 18 of the 42 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aflac_4, Antonio_21, Eudoria_21, Figliar_4, Kita_21, Manasvini_21, Maridalia_20, Neobush_21, PCoral7_21, Phlop_71, PullumCavea_72, Rickmore_2, Shinji_72,

Suscepit_21, Tayonia_21, TillyBobJoe_73, Toast_21, Trumpet_21, Zameen_21,

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

Genes that do not have the "Most Annotated" start:
• AlainaMarie_4, Barb_76, BluerMoon_5, Chikenjars_4, ClamChowder_76, Duffington_4, Eddiemania_4, EndAve_4, Finkle_74, Fugax_77, Gezellig_74, Halo3_72, Hydrus_4, Jodelie19_4, Kenosha_2, KimmyK_74, Mossy_2, Nadmeg_4, Nithya_4, Nyceirae_1, OhMyWard_4, OlgasClover_4, Pherobrine_2, Schwartz33_4, TenaciousP_5, Valary_75, Vardy_4, Wizard_71,

Summary by start number:

Start 11:
• Found in 1 of 47 (2.1%) of genes in pham
• Manual Annotations of this start: 1 of 42
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Finkle_74 (singleton),

Start 15:
• Found in 8 of 47 (17.0%) of genes in pham
• Manual Annotations of this start: 7 of 42
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Barb_76 (DC1), ClamChowder_76 (DC1), Fugax_77 (DC1), Gezellig_74 (DC1), Halo3_72 (DC1), KimmyK_74 (DC1), Valary_75 (DC1), Wizard_71 (DC1),

Start 16:
• Found in 19 of 47 (40.4%) of genes in pham
• Manual Annotations of this start: 18 of 42
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aflac_4 (DJ), Antonio_21 (CZ1), Eudoria_21 (CZ1), Figliar_4 (DJ), Kita_21 (CZ1), Manasvini_21 (CZ1), Maridalia_20 (CZ1), Neobush_21 (CZ1), PCoral7_21 (CV), Phlop_71 (DC1), PullumCavea_72 (DC1), Rickmore_2 (DJ), Shinji_72 (DC1), Suscepit_21 (CZ1), Tayonia_21 (CZ1), TillyBobJoe_73 (DC1), Toast_21 (CV), Trumpet_21 (CZ1), Zameen_21 (CZ1),

Start 17:
• Found in 16 of 47 (34.0%) of genes in pham
• Manual Annotations of this start: 13 of 42
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AlainaMarie_4 (DJ), BluerMoon_5 (DJ), Chikenjars_4 (DJ), Duffington_4 (DJ), Eddiemania_4 (DJ), EndAve_4 (DJ), Hydrus_4 (DJ), Jodelie19_4 (DJ), Kenosha_2 (DJ), Mossy_2 (DJ), Nadmeg_4 (DJ), Nithya_4 (DJ), OhMyWard_4 (DJ), OlgasClover_4 (DJ), TenaciousP_5 (DJ), Vardy_4 (DJ),

Start 18:
• Found in 3 of 47 (6.4%) of genes in pham
• Manual Annotations of this start: 3 of 42
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Nyceirae_1 (DT), Pherobrine_2 (DJ), Schwartz33_4 (DJ),

Summary by clusters:

There are 6 clusters represented in this pham: singleton, DJ, CZ1, DT, CV, DC1,

Info for manual annotations of cluster CV:
•Start number 16 was manually annotated 2 times for cluster CV.

Info for manual annotations of cluster CZ1:
•Start number 16 was manually annotated 10 times for cluster CZ1.

Info for manual annotations of cluster DC1:
•Start number 15 was manually annotated 7 times for cluster DC1.
•Start number 16 was manually annotated 3 times for cluster DC1.

Info for manual annotations of cluster DJ:
•Start number 16 was manually annotated 3 times for cluster DJ.
•Start number 17 was manually annotated 13 times for cluster DJ.
•Start number 18 was manually annotated 2 times for cluster DJ.

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

Gene Information:

Gene: Aflac_4 Start: 1874, Stop: 2071, Start Num: 16
Candidate Starts for Aflac_4:
(Start: 16 @1874 has 18 MA's), (22, 1940),

Gene: AlainaMarie_4 Start: 1874, Stop: 2065, Start Num: 17
Candidate Starts for AlainaMarie_4:
(Start: 17 @1874 has 13 MA's), (21, 1895),

Gene: Antonio_21 Start: 20095, Stop: 20292, Start Num: 16
Candidate Starts for Antonio_21:
(1, 19675), (4, 19987), (Start: 16 @20095 has 18 MA's),

Gene: Barb_76 Start: 50881, Stop: 51072, Start Num: 15
Candidate Starts for Barb_76:
(Start: 15 @50881 has 7 MA's),

Gene: BluerMoon_5 Start: 1874, Stop: 2065, Start Num: 17
Candidate Starts for BluerMoon_5:
(Start: 17 @1874 has 13 MA's), (21, 1895), (24, 1979),

Gene: Chikenjars_4 Start: 1874, Stop: 2065, Start Num: 17
Candidate Starts for Chikenjars_4:
(Start: 17 @1874 has 13 MA's), (21, 1895),

Gene: ClamChowder_76 Start: 50881, Stop: 51072, Start Num: 15
Candidate Starts for ClamChowder_76:

(Start: 15 @50881 has 7 MA's),

Gene: Duffington_4 Start: 1874, Stop: 2065, Start Num: 17
Candidate Starts for Duffington_4:
(Start: 17 @1874 has 13 MA's), (21, 1895),

Gene: Eddiemania_4 Start: 1874, Stop: 2065, Start Num: 17
Candidate Starts for Eddiemania_4:
(Start: 17 @1874 has 13 MA's), (21, 1895),

Gene: EndAve_4 Start: 1874, Stop: 2065, Start Num: 17
Candidate Starts for EndAve_4:
(14, 1865), (Start: 17 @1874 has 13 MA's), (21, 1895),

Gene: Eudoria_21 Start: 20095, Stop: 20292, Start Num: 16
Candidate Starts for Eudoria_21:
(1, 19675), (4, 19987), (Start: 16 @20095 has 18 MA's),

Gene: Figliar_4 Start: 1874, Stop: 2071, Start Num: 16
Candidate Starts for Figliar_4:
(Start: 16 @1874 has 18 MA's), (22, 1940),

Gene: Finkle_74 Start: 44449, Stop: 44661, Start Num: 11
Candidate Starts for Finkle_74:
(Start: 11 @44449 has 1 MA's),

Gene: Fugax_77 Start: 50873, Stop: 51064, Start Num: 15
Candidate Starts for Fugax_77:
(Start: 15 @50873 has 7 MA's),

Gene: Gezellig_74 Start: 50517, Stop: 50708, Start Num: 15
Candidate Starts for Gezellig_74:
(Start: 15 @50517 has 7 MA's),

Gene: Halo3_72 Start: 51102, Stop: 51293, Start Num: 15
Candidate Starts for Halo3_72:
(Start: 15 @51102 has 7 MA's),

Gene: Hydrus_4 Start: 1874, Stop: 2065, Start Num: 17
Candidate Starts for Hydrus_4:
(7, 1775), (Start: 17 @1874 has 13 MA's), (21, 1895),

Gene: Jodelie19_4 Start: 1874, Stop: 2065, Start Num: 17
Candidate Starts for Jodelie19_4:
(7, 1775), (Start: 17 @1874 has 13 MA's), (21, 1895), (24, 1979),

Gene: Kenosha_2 Start: 474, Stop: 665, Start Num: 17
Candidate Starts for Kenosha_2:
(8, 411), (Start: 17 @474 has 13 MA's),

Gene: KimmyK_74 Start: 50964, Stop: 51155, Start Num: 15
Candidate Starts for KimmyK_74:
(Start: 15 @50964 has 7 MA's),

Gene: Kita_21 Start: 20095, Stop: 20292, Start Num: 16
Candidate Starts for Kita_21:
(1, 19675), (4, 19987), (Start: 16 @20095 has 18 MA's),

Gene: Manasvini_21 Start: 20095, Stop: 20292, Start Num: 16
Candidate Starts for Manasvini_21:
(1, 19675), (4, 19987), (Start: 16 @20095 has 18 MA's),

Gene: Maridalia_20 Start: 20095, Stop: 20292, Start Num: 16
Candidate Starts for Maridalia_20:
(1, 19675), (4, 19987), (Start: 16 @20095 has 18 MA's),

Gene: Mossy_2 Start: 542, Stop: 745, Start Num: 17
Candidate Starts for Mossy_2:
(13, 527), (Start: 17 @542 has 13 MA's), (21, 563), (24, 647),

Gene: Nadmeg_4 Start: 1875, Stop: 2066, Start Num: 17
Candidate Starts for Nadmeg_4:
(Start: 17 @1875 has 13 MA's), (21, 1896),

Gene: Neobush_21 Start: 20095, Stop: 20292, Start Num: 16
Candidate Starts for Neobush_21:
(1, 19675), (4, 19987), (Start: 16 @20095 has 18 MA's),

Gene: Nithya_4 Start: 1874, Stop: 2065, Start Num: 17
Candidate Starts for Nithya_4:
(Start: 17 @1874 has 13 MA's), (21, 1895),

Gene: Nyceirae_1 Start: 46, Stop: 237, Start Num: 18
Candidate Starts for Nyceirae_1:
(9, 10), (Start: 18 @46 has 3 MA's), (24, 151),

Gene: OhMyWard_4 Start: 1873, Stop: 2064, Start Num: 17
Candidate Starts for OhMyWard_4:
(Start: 17 @1873 has 13 MA's), (21, 1894), (24, 1978),

Gene: OlgasClover_4 Start: 1874, Stop: 2065, Start Num: 17
Candidate Starts for OlgasClover_4:
(7, 1775), (Start: 17 @1874 has 13 MA's), (21, 1895), (24, 1979),

Gene: PCoral7_21 Start: 19113, Stop: 19304, Start Num: 16
Candidate Starts for PCoral7_21:
(Start: 16 @19113 has 18 MA's), (19, 19122), (23, 19182), (24, 19218),

Gene: Pherobrine_2 Start: 444, Stop: 635, Start Num: 18
Candidate Starts for Pherobrine_2:
(6, 342), (Start: 18 @444 has 3 MA's), (21, 465),

Gene: Phlop_71 Start: 50380, Stop: 50577, Start Num: 16
Candidate Starts for Phlop_71:
(3, 50254), (5, 50284), (Start: 16 @50380 has 18 MA's),

Gene: PullumCavea_72 Start: 50557, Stop: 50754, Start Num: 16
Candidate Starts for PullumCavea_72:
(3, 50431), (5, 50461), (Start: 16 @50557 has 18 MA's),

Gene: Rickmore_2 Start: 435, Stop: 632, Start Num: 16
Candidate Starts for Rickmore_2:
(10, 411), (Start: 16 @435 has 18 MA's), (22, 501),

Gene: Schwartz33_4 Start: 1886, Stop: 2077, Start Num: 18
Candidate Starts for Schwartz33_4:
(Start: 18 @1886 has 3 MA's), (20, 1895), (24, 1991),

Gene: Shinji_72 Start: 50161, Stop: 50358, Start Num: 16
Candidate Starts for Shinji_72:
(12, 50146), (Start: 16 @50161 has 18 MA's),

Gene: Suscepit_21 Start: 20095, Stop: 20292, Start Num: 16
Candidate Starts for Suscepit_21:
(1, 19675), (4, 19987), (Start: 16 @20095 has 18 MA's),

Gene: Tayonia_21 Start: 20095, Stop: 20292, Start Num: 16
Candidate Starts for Tayonia_21:
(1, 19675), (4, 19987), (Start: 16 @20095 has 18 MA's),

Gene: TenaciousP_5 Start: 1874, Stop: 2065, Start Num: 17
Candidate Starts for TenaciousP_5:
(7, 1775), (Start: 17 @1874 has 13 MA's), (21, 1895), (24, 1979),

Gene: TillyBobJoe_73 Start: 50687, Stop: 50884, Start Num: 16
Candidate Starts for TillyBobJoe_73:
(2, 50537), (12, 50672), (Start: 16 @50687 has 18 MA's),

Gene: Toast_21 Start: 19113, Stop: 19304, Start Num: 16
Candidate Starts for Toast_21:
(Start: 16 @19113 has 18 MA's), (19, 19122), (23, 19182), (24, 19218),

Gene: Trumpet_21 Start: 20095, Stop: 20292, Start Num: 16
Candidate Starts for Trumpet_21:
(1, 19675), (4, 19987), (Start: 16 @20095 has 18 MA's),

Gene: Valary_75 Start: 51339, Stop: 51530, Start Num: 15
Candidate Starts for Valary_75:
(Start: 15 @51339 has 7 MA's),

Gene: Vardy_4 Start: 1873, Stop: 2064, Start Num: 17
Candidate Starts for Vardy_4:
(Start: 17 @1873 has 13 MA's), (21, 1894),

Gene: Wizard_71 Start: 50517, Stop: 50708, Start Num: 15
Candidate Starts for Wizard_71:
(Start: 15 @50517 has 7 MA's),

Gene: Zameen_21 Start: 20095, Stop: 20292, Start Num: 16

Candidate Starts for Zameen_21:
(1, 19675), (4, 19987), (Start: 16 @20095 has 18 MA's),