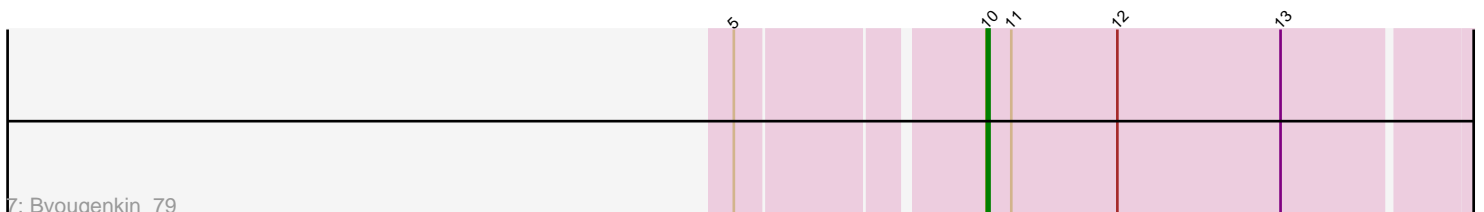
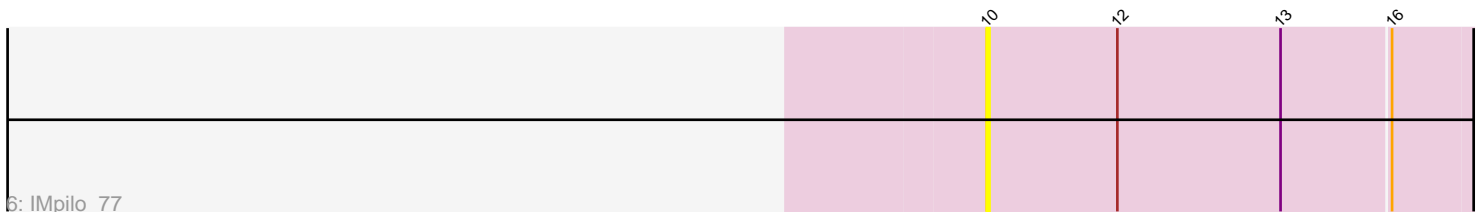
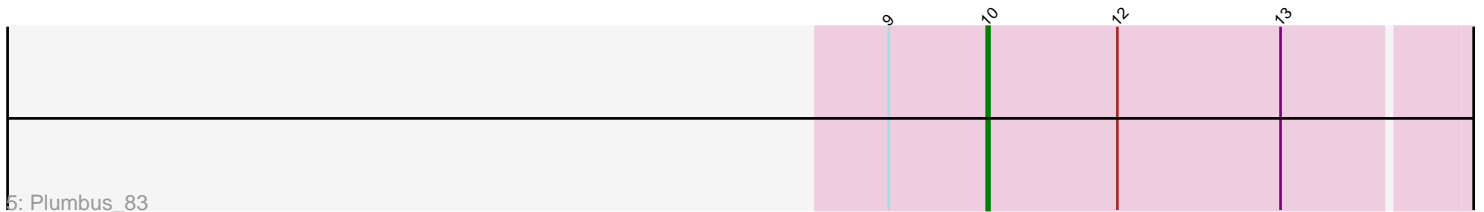
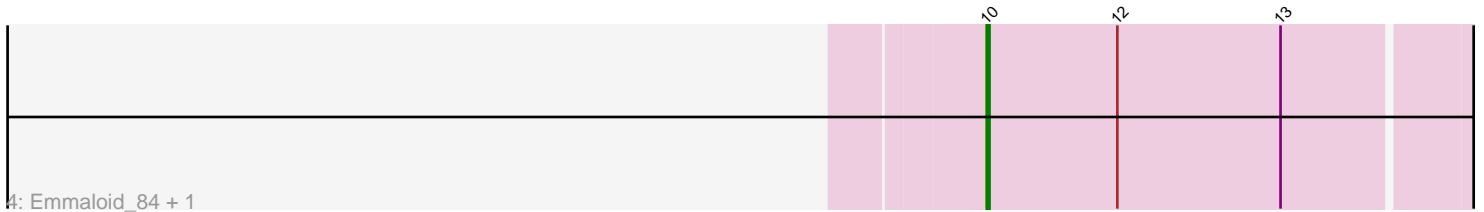
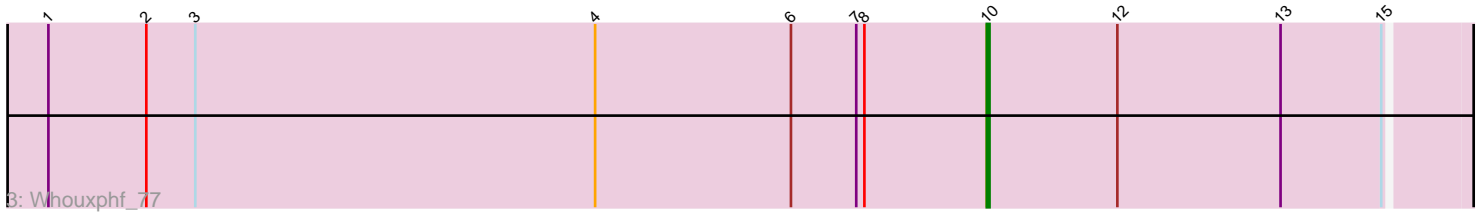
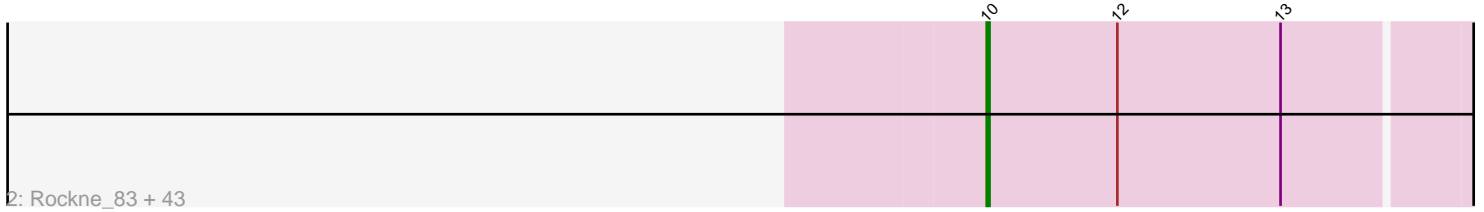
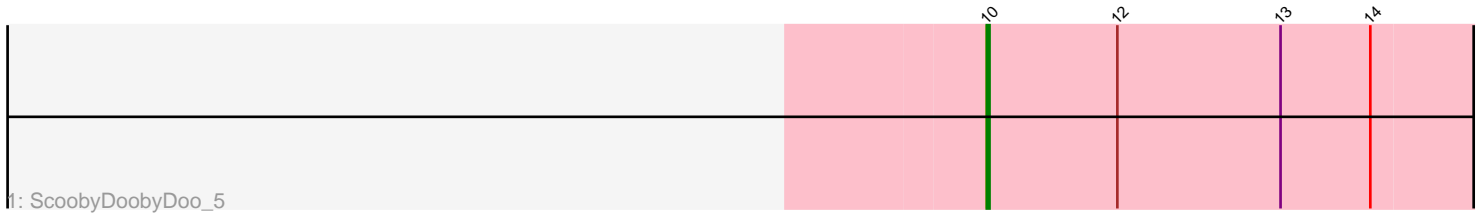


Pham 301455



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 301455 Report

This analysis was run 06/12/26 on database version 650.

Pham number 301455 has 51 members, 3 are drafts.

Phages represented in each track:

- Track 1 : ScoobyDoobyDoo_5
- Track 2 : Rockne_83, Eradicator_73, James_83, Seagreen_81, DirtMcgirt_81, Rita_89, DRBy19_86, Violac_84, PhesterPhotato_86, Medindi_86, Boomer_86, Pippy_77, Burwell21_77, Leozinho_80, SassyB_74, Harley_81, Llij_78, Mandlovu_77, Phatniss_79, UncleRicky_81, Clifton_75, Ardmore_68, Gandalph_80, Hlubikazi_77, Lorde_82, PMC_79, Strokeseat_77, Phalconet_79, Drago_79, Blexus_77, Philus_85, OlympiaSaint_82, DoRead_82, Jarcob_82, Flathead_82, Phanphagia_81, Lucia_81, LilMoolah_83, Nivrat_81, Enby_83, Tweety_83, PopTart_74, Eish_85, Mova_81
- Track 3 : Whouxphf_77
- Track 4 : Emmaloid_84, Slim_84
- Track 5 : Plumbus_83
- Track 6 : IMpilo_77
- Track 7 : Byougenkin_79

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

The start number called the most often in the published annotations is 10, it was called in 48 of the 48 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ardmore_68, Blexus_77, Boomer_86, Burwell21_77, Byougenkin_79, Clifton_75, DRBy19_86, DirtMcgirt_81, DoRead_82, Drago_79, Eish_85, Emmaloid_84, Enby_83, Eradicator_73, Flathead_82, Gandalph_80, Harley_81, Hlubikazi_77, IMpilo_77, James_83, Jarcob_82, Leozinho_80, LilMoolah_83, Llij_78, Lorde_82, Lucia_81, Mandlovu_77, Medindi_86, Mova_81, Nivrat_81, OlympiaSaint_82, PMC_79, Phalconet_79, Phanphagia_81, Phatniss_79, PhesterPhotato_86, Philus_85, Pippy_77, Plumbus_83, PopTart_74, Rita_89, Rockne_83, SassyB_74, ScoobyDoobyDoo_5, Seagreen_81, Slim_84, Strokeseat_77, Tweety_83, UncleRicky_81, Violac_84, Whouxphf_77,

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

-

Genes that do not have the "Most Annotated" start:

-

Summary by start number:

Start 10:

- Found in 51 of 51 (100.0%) of genes in pham
- Manual Annotations of this start: 48 of 48
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ardmore_68 (F1), Blexus_77 (F1), Boomer_86 (F1), Burwell21_77 (F1), Byougenkin_79 (F1), Clifton_75 (F1), DRBy19_86 (F1), DirtMcgirt_81 (F1), DoRead_82 (F1), Drago_79 (F1), Eish_85 (F1), Emmaloid_84 (F1), Enby_83 (F1), Eradicator_73 (F1), Flathead_82 (F1), Gandolph_80 (F1), Harley_81 (F1), Hlubikazi_77 (F1), IMpilo_77 (F1), James_83 (F1), Jarcob_82 (F1), Leozinho_80 (F1), LilMoolah_83 (F1), Llij_78 (F1), Lorde_82 (F1), Lucia_81 (F1), Mandlovu_77 (F1), Medindi_86 (F1), Mova_81 (F1), Nivrat_81 (F1), OlympiaSaint_82 (F1), PMC_79 (F1), Phalconet_79 (F1), Phanphagia_81 (F1), Phatniss_79 (F1), PhesterPhotato_86 (F1), Philus_85 (F1), Pippy_77 (F1), Plumbus_83 (F1), PopTart_74 (F1), Rita_89 (F1), Rockne_83 (F1), SassyB_74 (F1), ScoobyDoobyDoo_5 (C2), Seagreen_81 (F1), Slim_84 (F1), Strokeseat_77 (F1), Tweety_83 (F1), UncleRicky_81 (F1), Violac_84 (F1), Whouxphf_77 (F1),

Summary by clusters:

There are 2 clusters represented in this pham: F1, C2,

Info for manual annotations of cluster C2:

- Start number 10 was manually annotated 1 time for cluster C2.

Info for manual annotations of cluster F1:

- Start number 10 was manually annotated 47 times for cluster F1.

Gene Information:

Gene: Ardmore_68 Start: 43961, Stop: 44149, Start Num: 10

Candidate Starts for Ardmore_68:

(Start: 10 @43961 has 48 MA's), (12, 44009), (13, 44069),

Gene: Blexus_77 Start: 49140, Stop: 49328, Start Num: 10

Candidate Starts for Blexus_77:

(Start: 10 @49140 has 48 MA's), (12, 49188), (13, 49248),

Gene: Boomer_86 Start: 49955, Stop: 50143, Start Num: 10

Candidate Starts for Boomer_86:

(Start: 10 @49955 has 48 MA's), (12, 50003), (13, 50063),

Gene: Burwell21_77 Start: 48863, Stop: 49051, Start Num: 10

Candidate Starts for Burwell21_77:

(Start: 10 @48863 has 48 MA's), (12, 48911), (13, 48971),

Gene: Byougenkin_79 Start: 46564, Stop: 46752, Start Num: 10

Candidate Starts for Byougenkin_79:
(5, 46480), (Start: 10 @46564 has 48 MA's), (11, 46573), (12, 46612), (13, 46672),

Gene: Clifton_75 Start: 47679, Stop: 47867, Start Num: 10
Candidate Starts for Clifton_75:
(Start: 10 @47679 has 48 MA's), (12, 47727), (13, 47787),

Gene: DRBy19_86 Start: 51408, Stop: 51596, Start Num: 10
Candidate Starts for DRBy19_86:
(Start: 10 @51408 has 48 MA's), (12, 51456), (13, 51516),

Gene: DirtMcgirt_81 Start: 46565, Stop: 46753, Start Num: 10
Candidate Starts for DirtMcgirt_81:
(Start: 10 @46565 has 48 MA's), (12, 46613), (13, 46673),

Gene: DoRead_82 Start: 47223, Stop: 47411, Start Num: 10
Candidate Starts for DoRead_82:
(Start: 10 @47223 has 48 MA's), (12, 47271), (13, 47331),

Gene: Drago_79 Start: 46568, Stop: 46756, Start Num: 10
Candidate Starts for Drago_79:
(Start: 10 @46568 has 48 MA's), (12, 46616), (13, 46676),

Gene: Eish_85 Start: 50271, Stop: 50459, Start Num: 10
Candidate Starts for Eish_85:
(Start: 10 @50271 has 48 MA's), (12, 50319), (13, 50379),

Gene: Emmaloid_84 Start: 48897, Stop: 49085, Start Num: 10
Candidate Starts for Emmaloid_84:
(Start: 10 @48897 has 48 MA's), (12, 48945), (13, 49005),

Gene: Enby_83 Start: 46844, Stop: 47032, Start Num: 10
Candidate Starts for Enby_83:
(Start: 10 @46844 has 48 MA's), (12, 46892), (13, 46952),

Gene: Eradicator_73 Start: 47167, Stop: 47355, Start Num: 10
Candidate Starts for Eradicator_73:
(Start: 10 @47167 has 48 MA's), (12, 47215), (13, 47275),

Gene: Flathead_82 Start: 49017, Stop: 49205, Start Num: 10
Candidate Starts for Flathead_82:
(Start: 10 @49017 has 48 MA's), (12, 49065), (13, 49125),

Gene: Gandalph_80 Start: 46288, Stop: 46476, Start Num: 10
Candidate Starts for Gandalph_80:
(Start: 10 @46288 has 48 MA's), (12, 46336), (13, 46396),

Gene: Harley_81 Start: 48617, Stop: 48805, Start Num: 10
Candidate Starts for Harley_81:
(Start: 10 @48617 has 48 MA's), (12, 48665), (13, 48725),

Gene: Hlubikazi_77 Start: 46504, Stop: 46716, Start Num: 10
Candidate Starts for Hlubikazi_77:

(Start: 10 @46504 has 48 MA's), (12, 46552), (13, 46612),

Gene: IMpilo_77 Start: 46915, Stop: 47121, Start Num: 10

Candidate Starts for IMpilo_77:

(Start: 10 @46915 has 48 MA's), (12, 46963), (13, 47023), (16, 47062),

Gene: James_83 Start: 50743, Stop: 50931, Start Num: 10

Candidate Starts for James_83:

(Start: 10 @50743 has 48 MA's), (12, 50791), (13, 50851),

Gene: Jarcob_82 Start: 50340, Stop: 50528, Start Num: 10

Candidate Starts for Jarcob_82:

(Start: 10 @50340 has 48 MA's), (12, 50388), (13, 50448),

Gene: Leozinho_80 Start: 46774, Stop: 46962, Start Num: 10

Candidate Starts for Leozinho_80:

(Start: 10 @46774 has 48 MA's), (12, 46822), (13, 46882),

Gene: LilMoolah_83 Start: 49911, Stop: 50099, Start Num: 10

Candidate Starts for LilMoolah_83:

(Start: 10 @49911 has 48 MA's), (12, 49959), (13, 50019),

Gene: Llij_78 Start: 46722, Stop: 46910, Start Num: 10

Candidate Starts for Llij_78:

(Start: 10 @46722 has 48 MA's), (12, 46770), (13, 46830),

Gene: Lorde_82 Start: 46009, Stop: 46197, Start Num: 10

Candidate Starts for Lorde_82:

(Start: 10 @46009 has 48 MA's), (12, 46057), (13, 46117),

Gene: Lucia_81 Start: 46857, Stop: 47045, Start Num: 10

Candidate Starts for Lucia_81:

(Start: 10 @46857 has 48 MA's), (12, 46905), (13, 46965),

Gene: Mandlovu_77 Start: 46446, Stop: 46658, Start Num: 10

Candidate Starts for Mandlovu_77:

(Start: 10 @46446 has 48 MA's), (12, 46494), (13, 46554),

Gene: Medindi_86 Start: 50474, Stop: 50662, Start Num: 10

Candidate Starts for Medindi_86:

(Start: 10 @50474 has 48 MA's), (12, 50522), (13, 50582),

Gene: Mova_81 Start: 48129, Stop: 48317, Start Num: 10

Candidate Starts for Mova_81:

(Start: 10 @48129 has 48 MA's), (12, 48177), (13, 48237),

Gene: Nivrat_81 Start: 49784, Stop: 49972, Start Num: 10

Candidate Starts for Nivrat_81:

(Start: 10 @49784 has 48 MA's), (12, 49832), (13, 49892),

Gene: OlympiaSaint_82 Start: 49685, Stop: 49873, Start Num: 10

Candidate Starts for OlympiaSaint_82:

(Start: 10 @49685 has 48 MA's), (12, 49733), (13, 49793),

Gene: PMC_79 Start: 48179, Stop: 48367, Start Num: 10
Candidate Starts for PMC_79:
(Start: 10 @48179 has 48 MA's), (12, 48227), (13, 48287),

Gene: Phalconet_79 Start: 48308, Stop: 48496, Start Num: 10
Candidate Starts for Phalconet_79:
(Start: 10 @48308 has 48 MA's), (12, 48356), (13, 48416),

Gene: Phanphagia_81 Start: 49682, Stop: 49870, Start Num: 10
Candidate Starts for Phanphagia_81:
(Start: 10 @49682 has 48 MA's), (12, 49730), (13, 49790),

Gene: Phatniss_79 Start: 47817, Stop: 48005, Start Num: 10
Candidate Starts for Phatniss_79:
(Start: 10 @47817 has 48 MA's), (12, 47865), (13, 47925),

Gene: PhesterPhotato_86 Start: 49476, Stop: 49664, Start Num: 10
Candidate Starts for PhesterPhotato_86:
(Start: 10 @49476 has 48 MA's), (12, 49524), (13, 49584),

Gene: Philus_85 Start: 51384, Stop: 51572, Start Num: 10
Candidate Starts for Philus_85:
(Start: 10 @51384 has 48 MA's), (12, 51432), (13, 51492),

Gene: Pippy_77 Start: 47880, Stop: 48068, Start Num: 10
Candidate Starts for Pippy_77:
(Start: 10 @47880 has 48 MA's), (12, 47928), (13, 47988),

Gene: Plumbus_83 Start: 46700, Stop: 46888, Start Num: 10
Candidate Starts for Plumbus_83:
(9, 46664), (Start: 10 @46700 has 48 MA's), (12, 46748), (13, 46808),

Gene: PopTart_74 Start: 46371, Stop: 46559, Start Num: 10
Candidate Starts for PopTart_74:
(Start: 10 @46371 has 48 MA's), (12, 46419), (13, 46479),

Gene: Rita_89 Start: 52033, Stop: 52221, Start Num: 10
Candidate Starts for Rita_89:
(Start: 10 @52033 has 48 MA's), (12, 52081), (13, 52141),

Gene: Rockne_83 Start: 48191, Stop: 48379, Start Num: 10
Candidate Starts for Rockne_83:
(Start: 10 @48191 has 48 MA's), (12, 48239), (13, 48299),

Gene: SassyB_74 Start: 46371, Stop: 46559, Start Num: 10
Candidate Starts for SassyB_74:
(Start: 10 @46371 has 48 MA's), (12, 46419), (13, 46479),

Gene: ScoobyDoobyDoo_5 Start: 1403, Stop: 1597, Start Num: 10
Candidate Starts for ScoobyDoobyDoo_5:
(Start: 10 @1403 has 48 MA's), (12, 1451), (13, 1511), (14, 1544),

Gene: Seagreen_81 Start: 49474, Stop: 49662, Start Num: 10
Candidate Starts for Seagreen_81:
(Start: 10 @49474 has 48 MA's), (12, 49522), (13, 49582),

Gene: Slim_84 Start: 48888, Stop: 49076, Start Num: 10
Candidate Starts for Slim_84:
(Start: 10 @48888 has 48 MA's), (12, 48936), (13, 48996),

Gene: Strokeseat_77 Start: 46503, Stop: 46715, Start Num: 10
Candidate Starts for Strokeseat_77:
(Start: 10 @46503 has 48 MA's), (12, 46551), (13, 46611),

Gene: Tweety_83 Start: 50302, Stop: 50490, Start Num: 10
Candidate Starts for Tweety_83:
(Start: 10 @50302 has 48 MA's), (12, 50350), (13, 50410),

Gene: UncleRicky_81 Start: 48065, Stop: 48253, Start Num: 10
Candidate Starts for UncleRicky_81:
(Start: 10 @48065 has 48 MA's), (12, 48113), (13, 48173),

Gene: Violac_84 Start: 50781, Stop: 50969, Start Num: 10
Candidate Starts for Violac_84:
(Start: 10 @50781 has 48 MA's), (12, 50829), (13, 50889),

Gene: Whouxphf_77 Start: 48494, Stop: 48697, Start Num: 10
Candidate Starts for Whouxphf_77:
(1, 48149), (2, 48185), (3, 48203), (4, 48350), (6, 48422), (7, 48446), (8, 48449), (Start: 10 @48494 has 48 MA's), (12, 48542), (13, 48602), (15, 48638),