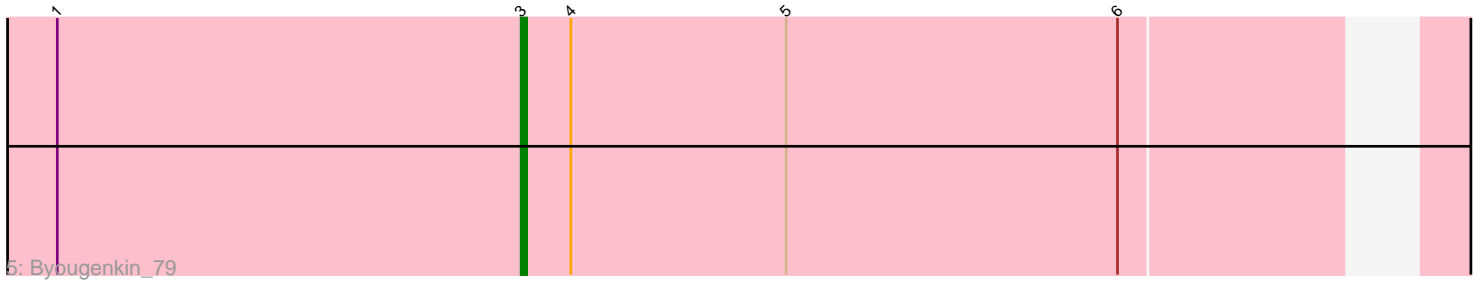
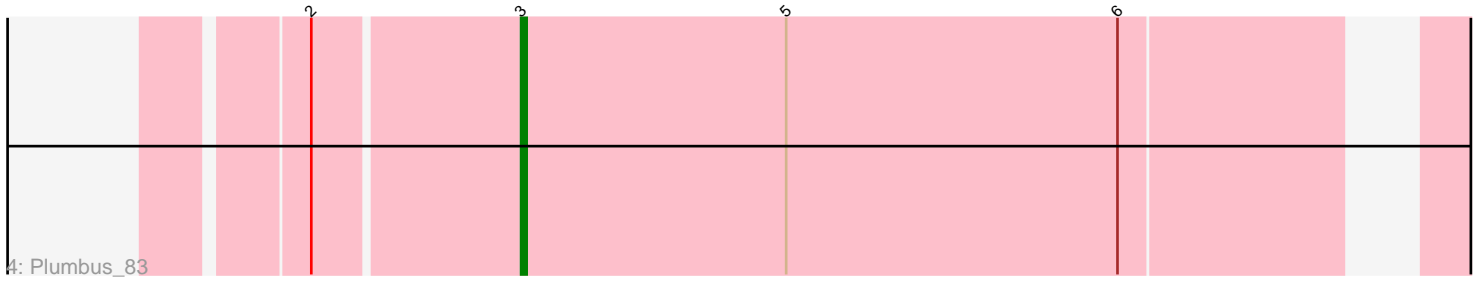
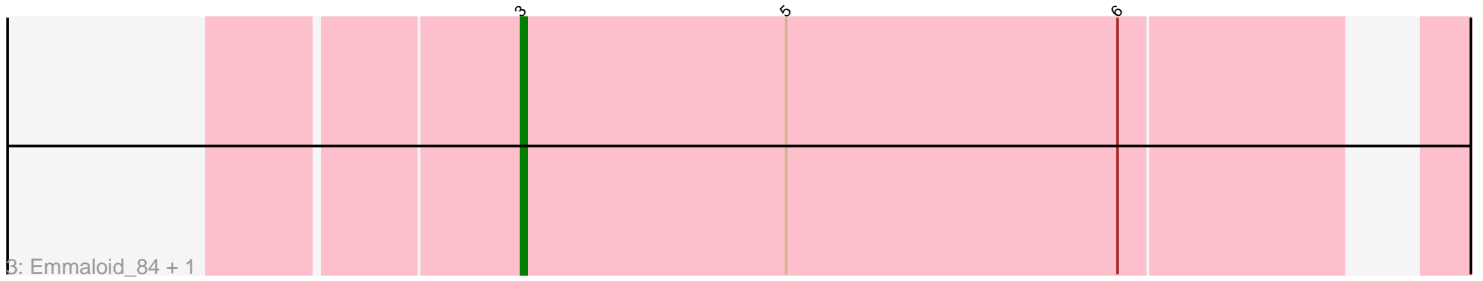
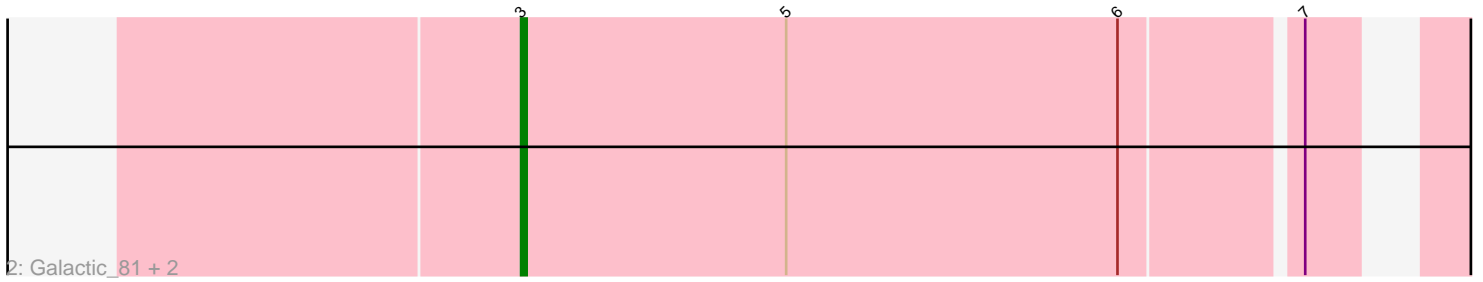
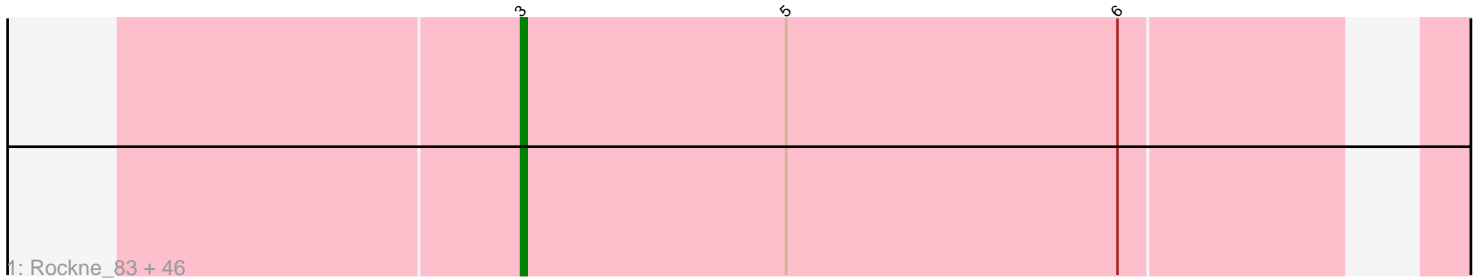


Pham 308706



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 308706 Report

This analysis was run 06/27/26 on database version 652.

Pham number 308706 has 54 members, 2 are drafts.

Phages represented in each track:

- Track 1 : 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, Taj_89, Mandlovu_77, UncleRicky_81, Clifton_75, Drago_79, Gandalph_80, Hlubikazi_77, Lorde_82, PMC_79, Strokeseat_77, Phalconet_79, Ardmore_68, Blexus_77, Philus_85, OlympiaSaint_82, DeadP_83, DoRead_82, Jarcob_82, Flathead_82, Phatniss_79, Phanphagia_81, Lucia_81, LilMoolah_83, Nivrat_81, Wee_88, Enby_83, Tweety_83, PopTart_74, Eish_85, Mova_81
- Track 2 : Galactic_81, Omega_78, ScoobyDoobyDoo_5
- Track 3 : Emmaloid_84, Slim_84
- Track 4 : Plumbus_83
- Track 5 : 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 3, it was called in 52 of the 52 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, DeadP_83, DirtMcgirt_81, DoRead_82, Drago_79, Eish_85, Emmaloid_84, Enby_83, Eradicator_73, Flathead_82, Galactic_81, Gandalph_80, Harley_81, Hlubikazi_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, Omega_78, 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, Taj_89, Tweety_83, UncleRicky_81, Violac_84, Wee_88,

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 3:

- Found in 54 of 54 (100.0%) of genes in pham
- Manual Annotations of this start: 52 of 52
- 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), DeadP_83 (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), Galactic_81 (F1), Gandalph_80 (F1), Harley_81 (F1), Hlubikazi_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), Omega_78 (J), 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), Taj_89 (F1), Tweety_83 (F1), UncleRicky_81 (F1), Violac_84 (F1), Wee_88 (F1),

Summary by clusters:

There are 3 clusters represented in this pham: F1, J, C2,

Info for manual annotations of cluster C2:

- Start number 3 was manually annotated 1 time for cluster C2.

Info for manual annotations of cluster F1:

- Start number 3 was manually annotated 50 times for cluster F1.

Info for manual annotations of cluster J:

- Start number 3 was manually annotated 1 time for cluster J.

Gene Information:

Gene: Ardmore_68 Start: 43961, Stop: 44149, Start Num: 3

Candidate Starts for Ardmore_68:

(Start: 3 @43961 has 52 MA's), (5, 44009), (6, 44069),

Gene: Blexus_77 Start: 49140, Stop: 49328, Start Num: 3

Candidate Starts for Blexus_77:

(Start: 3 @49140 has 52 MA's), (5, 49188), (6, 49248),

Gene: Boomer_86 Start: 49955, Stop: 50143, Start Num: 3

Candidate Starts for Boomer_86:

(Start: 3 @49955 has 52 MA's), (5, 50003), (6, 50063),

Gene: Burwell21_77 Start: 48863, Stop: 49051, Start Num: 3

Candidate Starts for Burwell21_77:

(Start: 3 @48863 has 52 MA's), (5, 48911), (6, 48971),

Gene: Byougenkin_79 Start: 46564, Stop: 46752, Start Num: 3
Candidate Starts for Byougenkin_79:
(1, 46480), (Start: 3 @46564 has 52 MA's), (4, 46573), (5, 46612), (6, 46672),

Gene: Clifton_75 Start: 47679, Stop: 47867, Start Num: 3
Candidate Starts for Clifton_75:
(Start: 3 @47679 has 52 MA's), (5, 47727), (6, 47787),

Gene: DRBy19_86 Start: 51408, Stop: 51596, Start Num: 3
Candidate Starts for DRBy19_86:
(Start: 3 @51408 has 52 MA's), (5, 51456), (6, 51516),

Gene: DeadP_83 Start: 48387, Stop: 48512, Start Num: 3
Candidate Starts for DeadP_83:
(Start: 3 @48387 has 52 MA's), (5, 48435), (6, 48495),

Gene: DirtMcgirt_81 Start: 46565, Stop: 46753, Start Num: 3
Candidate Starts for DirtMcgirt_81:
(Start: 3 @46565 has 52 MA's), (5, 46613), (6, 46673),

Gene: DoRead_82 Start: 47223, Stop: 47411, Start Num: 3
Candidate Starts for DoRead_82:
(Start: 3 @47223 has 52 MA's), (5, 47271), (6, 47331),

Gene: Drago_79 Start: 46568, Stop: 46756, Start Num: 3
Candidate Starts for Drago_79:
(Start: 3 @46568 has 52 MA's), (5, 46616), (6, 46676),

Gene: Eish_85 Start: 50271, Stop: 50459, Start Num: 3
Candidate Starts for Eish_85:
(Start: 3 @50271 has 52 MA's), (5, 50319), (6, 50379),

Gene: Emmaloid_84 Start: 48897, Stop: 49085, Start Num: 3
Candidate Starts for Emmaloid_84:
(Start: 3 @48897 has 52 MA's), (5, 48945), (6, 49005),

Gene: Enby_83 Start: 46844, Stop: 47032, Start Num: 3
Candidate Starts for Enby_83:
(Start: 3 @46844 has 52 MA's), (5, 46892), (6, 46952),

Gene: Eradicator_73 Start: 47167, Stop: 47355, Start Num: 3
Candidate Starts for Eradicator_73:
(Start: 3 @47167 has 52 MA's), (5, 47215), (6, 47275),

Gene: Flathead_82 Start: 49017, Stop: 49205, Start Num: 3
Candidate Starts for Flathead_82:
(Start: 3 @49017 has 52 MA's), (5, 49065), (6, 49125),

Gene: Galactic_81 Start: 48717, Stop: 48875, Start Num: 3
Candidate Starts for Galactic_81:
(Start: 3 @48717 has 52 MA's), (5, 48765), (6, 48825), (7, 48855),

Gene: Gandolph_80 Start: 46288, Stop: 46476, Start Num: 3
Candidate Starts for Gandolph_80:
(Start: 3 @46288 has 52 MA's), (5, 46336), (6, 46396),

Gene: Harley_81 Start: 48617, Stop: 48805, Start Num: 3
Candidate Starts for Harley_81:
(Start: 3 @48617 has 52 MA's), (5, 48665), (6, 48725),

Gene: Hlubikazi_77 Start: 46504, Stop: 46716, Start Num: 3
Candidate Starts for Hlubikazi_77:
(Start: 3 @46504 has 52 MA's), (5, 46552), (6, 46612),

Gene: James_83 Start: 50743, Stop: 50931, Start Num: 3
Candidate Starts for James_83:
(Start: 3 @50743 has 52 MA's), (5, 50791), (6, 50851),

Gene: Jarcob_82 Start: 50340, Stop: 50528, Start Num: 3
Candidate Starts for Jarcob_82:
(Start: 3 @50340 has 52 MA's), (5, 50388), (6, 50448),

Gene: Leozinho_80 Start: 46774, Stop: 46962, Start Num: 3
Candidate Starts for Leozinho_80:
(Start: 3 @46774 has 52 MA's), (5, 46822), (6, 46882),

Gene: LilMoolah_83 Start: 49911, Stop: 50099, Start Num: 3
Candidate Starts for LilMoolah_83:
(Start: 3 @49911 has 52 MA's), (5, 49959), (6, 50019),

Gene: Llij_78 Start: 46722, Stop: 46910, Start Num: 3
Candidate Starts for Llij_78:
(Start: 3 @46722 has 52 MA's), (5, 46770), (6, 46830),

Gene: Lorde_82 Start: 46009, Stop: 46197, Start Num: 3
Candidate Starts for Lorde_82:
(Start: 3 @46009 has 52 MA's), (5, 46057), (6, 46117),

Gene: Lucia_81 Start: 46857, Stop: 47045, Start Num: 3
Candidate Starts for Lucia_81:
(Start: 3 @46857 has 52 MA's), (5, 46905), (6, 46965),

Gene: Mandlovu_77 Start: 46446, Stop: 46658, Start Num: 3
Candidate Starts for Mandlovu_77:
(Start: 3 @46446 has 52 MA's), (5, 46494), (6, 46554),

Gene: Medindi_86 Start: 50474, Stop: 50662, Start Num: 3
Candidate Starts for Medindi_86:
(Start: 3 @50474 has 52 MA's), (5, 50522), (6, 50582),

Gene: Mova_81 Start: 48129, Stop: 48317, Start Num: 3
Candidate Starts for Mova_81:
(Start: 3 @48129 has 52 MA's), (5, 48177), (6, 48237),

Gene: Nivrat_81 Start: 49784, Stop: 49972, Start Num: 3

Candidate Starts for Nivrat_81:
(Start: 3 @49784 has 52 MA's), (5, 49832), (6, 49892),

Gene: OlympiaSaint_82 Start: 49685, Stop: 49873, Start Num: 3
Candidate Starts for OlympiaSaint_82:
(Start: 3 @49685 has 52 MA's), (5, 49733), (6, 49793),

Gene: Omega_78 Start: 51374, Stop: 51216, Start Num: 3
Candidate Starts for Omega_78:
(Start: 3 @51374 has 52 MA's), (5, 51326), (6, 51266), (7, 51236),

Gene: PMC_79 Start: 48179, Stop: 48367, Start Num: 3
Candidate Starts for PMC_79:
(Start: 3 @48179 has 52 MA's), (5, 48227), (6, 48287),

Gene: Phalconet_79 Start: 48308, Stop: 48496, Start Num: 3
Candidate Starts for Phalconet_79:
(Start: 3 @48308 has 52 MA's), (5, 48356), (6, 48416),

Gene: Phanphagia_81 Start: 49682, Stop: 49870, Start Num: 3
Candidate Starts for Phanphagia_81:
(Start: 3 @49682 has 52 MA's), (5, 49730), (6, 49790),

Gene: Phatniss_79 Start: 47817, Stop: 48005, Start Num: 3
Candidate Starts for Phatniss_79:
(Start: 3 @47817 has 52 MA's), (5, 47865), (6, 47925),

Gene: PhesterPhotato_86 Start: 49476, Stop: 49664, Start Num: 3
Candidate Starts for PhesterPhotato_86:
(Start: 3 @49476 has 52 MA's), (5, 49524), (6, 49584),

Gene: Philus_85 Start: 51384, Stop: 51572, Start Num: 3
Candidate Starts for Philus_85:
(Start: 3 @51384 has 52 MA's), (5, 51432), (6, 51492),

Gene: Pippy_77 Start: 47880, Stop: 48068, Start Num: 3
Candidate Starts for Pippy_77:
(Start: 3 @47880 has 52 MA's), (5, 47928), (6, 47988),

Gene: Plumbus_83 Start: 46700, Stop: 46888, Start Num: 3
Candidate Starts for Plumbus_83:
(2, 46664), (Start: 3 @46700 has 52 MA's), (5, 46748), (6, 46808),

Gene: PopTart_74 Start: 46371, Stop: 46559, Start Num: 3
Candidate Starts for PopTart_74:
(Start: 3 @46371 has 52 MA's), (5, 46419), (6, 46479),

Gene: Rita_89 Start: 52033, Stop: 52221, Start Num: 3
Candidate Starts for Rita_89:
(Start: 3 @52033 has 52 MA's), (5, 52081), (6, 52141),

Gene: Rockne_83 Start: 48191, Stop: 48379, Start Num: 3
Candidate Starts for Rockne_83:

(Start: 3 @48191 has 52 MA's), (5, 48239), (6, 48299),

Gene: SassyB_74 Start: 46371, Stop: 46559, Start Num: 3

Candidate Starts for SassyB_74:

(Start: 3 @46371 has 52 MA's), (5, 46419), (6, 46479),

Gene: ScoobyDoobyDoo_5 Start: 1403, Stop: 1597, Start Num: 3

Candidate Starts for ScoobyDoobyDoo_5:

(Start: 3 @1403 has 52 MA's), (5, 1451), (6, 1511), (7, 1544),

Gene: Seagreen_81 Start: 49474, Stop: 49662, Start Num: 3

Candidate Starts for Seagreen_81:

(Start: 3 @49474 has 52 MA's), (5, 49522), (6, 49582),

Gene: Slim_84 Start: 48888, Stop: 49076, Start Num: 3

Candidate Starts for Slim_84:

(Start: 3 @48888 has 52 MA's), (5, 48936), (6, 48996),

Gene: Strokeseat_77 Start: 46503, Stop: 46715, Start Num: 3

Candidate Starts for Strokeseat_77:

(Start: 3 @46503 has 52 MA's), (5, 46551), (6, 46611),

Gene: Taj_89 Start: 51224, Stop: 51349, Start Num: 3

Candidate Starts for Taj_89:

(Start: 3 @51224 has 52 MA's), (5, 51272), (6, 51332),

Gene: Tweety_83 Start: 50302, Stop: 50490, Start Num: 3

Candidate Starts for Tweety_83:

(Start: 3 @50302 has 52 MA's), (5, 50350), (6, 50410),

Gene: UncleRicky_81 Start: 48065, Stop: 48253, Start Num: 3

Candidate Starts for UncleRicky_81:

(Start: 3 @48065 has 52 MA's), (5, 48113), (6, 48173),

Gene: Violac_84 Start: 50781, Stop: 50969, Start Num: 3

Candidate Starts for Violac_84:

(Start: 3 @50781 has 52 MA's), (5, 50829), (6, 50889),

Gene: Wee_88 Start: 51300, Stop: 51425, Start Num: 3

Candidate Starts for Wee_88:

(Start: 3 @51300 has 52 MA's), (5, 51348), (6, 51408),