



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 2188 Report

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

Pham number 2188 has 41 members, 3 are drafts.

Phages represented in each track:

- Track 1 : James_85, Eradicator_75, Blexus_79, Seagreen_83, Moonbeam_82, PhesterPhotato_87, Harley_83, Byougenkin_81, SassyB_76, Mandlovu_79, Florinda_93, Juice456_81, Spoonbill_80, Hlubikazi_79, Tweety_85, Ardmore_70, GigiOuiOui_78, Phalconet_81, QuickMath_83, Gandalph_82, Phasih_77, OlympiaSaint_84, Strokeseat_79, Jarcob_84, Girafales_90, Kimberlium_85, DeadP_85, Oksu_85, Flathead_84, Plumbus_85, Wee_90, Taj_91, Phanphagia_83, ShiLan_84, Cornucopia_84, Quico_90, Whouxphf_79, Royals2015_89, Eish_87, PopTart_76
- Track 2 : Ogopogo_53

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 38 of the 38 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ardmore_70, Blexus_79, Byougenkin_81, Cornucopia_84, DeadP_85, Eish_87, Eradicator_75, Flathead_84, Florinda_93, Gandalph_82, GigiOuiOui_78, Girafales_90, Harley_83, Hlubikazi_79, James_85, Jarcob_84, Juice456_81, Kimberlium_85, Mandlovu_79, Moonbeam_82, Ogopogo_53, Oksu_85, OlympiaSaint_84, Phalconet_81, Phanphagia_83, Phasih_77, PhesterPhotato_87, Plumbus_85, PopTart_76, QuickMath_83, Quico_90, Royals2015_89, SassyB_76, Seagreen_83, ShiLan_84, Spoonbill_80, Strokeseat_79, Taj_91, Tweety_85, Wee_90, Whouxphf_79,

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 41 of 41 (100.0%) of genes in pham
- Manual Annotations of this start: 38 of 38
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ardmore_70 (F1), Blexus_79 (F1), Byougenkin_81 (F1), Cornucopia_84 (F1), DeadP_85 (F1), Eish_87 (F1), Eradicator_75 (F1), Flathead_84 (F1), Florinda_93 (F1), Gandolph_82 (F1), GigiOuiOui_78 (F1), Girafales_90 (F1), Harley_83 (F1), Hlubikazi_79 (F1), James_85 (F1), Jacob_84 (F1), Juice456_81 (F1), Kimberlium_85 (F1), Mandlovu_79 (F1), Moonbeam_82 (F1), Ogopogo_53 (F1), Oksu_85 (F1), OlympiaSaint_84 (F1), Phalconet_81 (F1), Phanphagia_83 (F1), Phasih_77 (F1), PhesterPhotato_87 (F1), Plumbus_85 (F1), PopTart_76 (F1), QuickMath_83 (F1), Quico_90 (F1), Royals2015_89 (F1), SassyB_76 (F1), Seagreen_83 (F1), ShiLan_84 (F1), Spoonbill_80 (F1), Strokeseat_79 (F1), Taj_91 (F1), Tweety_85 (F1), Wee_90 (F1), Whouxphf_79 (F1),

Summary by clusters:

There is one cluster represented in this pham: F1

Info for manual annotations of cluster F1:

- Start number 3 was manually annotated 38 times for cluster F1.

Gene Information:

Gene: Ardmore_70 Start: 44577, Stop: 44750, Start Num: 3

Candidate Starts for Ardmore_70:

(1, 44502), (2, 44523), (Start: 3 @44577 has 38 MA's), (4, 44712), (5, 44736),

Gene: Blexus_79 Start: 49756, Stop: 49929, Start Num: 3

Candidate Starts for Blexus_79:

(1, 49681), (2, 49702), (Start: 3 @49756 has 38 MA's), (4, 49891), (5, 49915),

Gene: Byougenkin_81 Start: 47180, Stop: 47353, Start Num: 3

Candidate Starts for Byougenkin_81:

(1, 47105), (2, 47126), (Start: 3 @47180 has 38 MA's), (4, 47315), (5, 47339),

Gene: Cornucopia_84 Start: 48472, Stop: 48645, Start Num: 3

Candidate Starts for Cornucopia_84:

(1, 48397), (2, 48418), (Start: 3 @48472 has 38 MA's), (4, 48607), (5, 48631),

Gene: DeadP_85 Start: 49004, Stop: 49177, Start Num: 3

Candidate Starts for DeadP_85:

(1, 48929), (2, 48950), (Start: 3 @49004 has 38 MA's), (4, 49139), (5, 49163),

Gene: Eish_87 Start: 50887, Stop: 51060, Start Num: 3

Candidate Starts for Eish_87:

(1, 50812), (2, 50833), (Start: 3 @50887 has 38 MA's), (4, 51022), (5, 51046),

Gene: Eradicator_75 Start: 47783, Stop: 47956, Start Num: 3

Candidate Starts for Eradicator_75:

(1, 47708), (2, 47729), (Start: 3 @47783 has 38 MA's), (4, 47918), (5, 47942),

Gene: Flathead_84 Start: 49633, Stop: 49806, Start Num: 3
Candidate Starts for Flathead_84:
(1, 49558), (2, 49579), (Start: 3 @49633 has 38 MA's), (4, 49768), (5, 49792),

Gene: Florinda_93 Start: 51421, Stop: 51594, Start Num: 3
Candidate Starts for Florinda_93:
(1, 51346), (2, 51367), (Start: 3 @51421 has 38 MA's), (4, 51556), (5, 51580),

Gene: Gandolph_82 Start: 46904, Stop: 47077, Start Num: 3
Candidate Starts for Gandolph_82:
(1, 46829), (2, 46850), (Start: 3 @46904 has 38 MA's), (4, 47039), (5, 47063),

Gene: GigiOuiOui_78 Start: 48629, Stop: 48802, Start Num: 3
Candidate Starts for GigiOuiOui_78:
(1, 48554), (2, 48575), (Start: 3 @48629 has 38 MA's), (4, 48764), (5, 48788),

Gene: Girafales_90 Start: 51026, Stop: 51199, Start Num: 3
Candidate Starts for Girafales_90:
(1, 50951), (2, 50972), (Start: 3 @51026 has 38 MA's), (4, 51161), (5, 51185),

Gene: Harley_83 Start: 49233, Stop: 49406, Start Num: 3
Candidate Starts for Harley_83:
(1, 49158), (2, 49179), (Start: 3 @49233 has 38 MA's), (4, 49368), (5, 49392),

Gene: Hlubikazi_79 Start: 47144, Stop: 47317, Start Num: 3
Candidate Starts for Hlubikazi_79:
(1, 47069), (2, 47090), (Start: 3 @47144 has 38 MA's), (4, 47279), (5, 47303),

Gene: James_85 Start: 51359, Stop: 51532, Start Num: 3
Candidate Starts for James_85:
(1, 51284), (2, 51305), (Start: 3 @51359 has 38 MA's), (4, 51494), (5, 51518),

Gene: Jaracob_84 Start: 50957, Stop: 51130, Start Num: 3
Candidate Starts for Jaracob_84:
(1, 50882), (2, 50903), (Start: 3 @50957 has 38 MA's), (4, 51092), (5, 51116),

Gene: Juice456_81 Start: 49138, Stop: 49311, Start Num: 3
Candidate Starts for Juice456_81:
(1, 49063), (2, 49084), (Start: 3 @49138 has 38 MA's), (4, 49273), (5, 49297),

Gene: Kimberlium_85 Start: 49238, Stop: 49411, Start Num: 3
Candidate Starts for Kimberlium_85:
(1, 49163), (2, 49184), (Start: 3 @49238 has 38 MA's), (4, 49373), (5, 49397),

Gene: Mandlovu_79 Start: 47086, Stop: 47259, Start Num: 3
Candidate Starts for Mandlovu_79:
(1, 47011), (2, 47032), (Start: 3 @47086 has 38 MA's), (4, 47221), (5, 47245),

Gene: Moonbeam_82 Start: 49439, Stop: 49612, Start Num: 3
Candidate Starts for Moonbeam_82:
(1, 49364), (2, 49385), (Start: 3 @49439 has 38 MA's), (4, 49574), (5, 49598),

Gene: Ogopogo_53 Start: 36942, Stop: 37106, Start Num: 3
Candidate Starts for Ogopogo_53:
(1, 36867), (2, 36888), (Start: 3 @36942 has 38 MA's), (4, 37077), (6, 37095),

Gene: Oksu_85 Start: 50733, Stop: 50906, Start Num: 3
Candidate Starts for Oksu_85:
(1, 50658), (2, 50679), (Start: 3 @50733 has 38 MA's), (4, 50868), (5, 50892),

Gene: OlympiaSaint_84 Start: 50301, Stop: 50474, Start Num: 3
Candidate Starts for OlympiaSaint_84:
(1, 50226), (2, 50247), (Start: 3 @50301 has 38 MA's), (4, 50436), (5, 50460),

Gene: Phalconet_81 Start: 48924, Stop: 49097, Start Num: 3
Candidate Starts for Phalconet_81:
(1, 48849), (2, 48870), (Start: 3 @48924 has 38 MA's), (4, 49059), (5, 49083),

Gene: Phanphagia_83 Start: 50298, Stop: 50471, Start Num: 3
Candidate Starts for Phanphagia_83:
(1, 50223), (2, 50244), (Start: 3 @50298 has 38 MA's), (4, 50433), (5, 50457),

Gene: Phasih_77 Start: 47635, Stop: 47808, Start Num: 3
Candidate Starts for Phasih_77:
(1, 47560), (2, 47581), (Start: 3 @47635 has 38 MA's), (4, 47770), (5, 47794),

Gene: PhesterPhotato_87 Start: 50092, Stop: 50265, Start Num: 3
Candidate Starts for PhesterPhotato_87:
(1, 50017), (2, 50038), (Start: 3 @50092 has 38 MA's), (4, 50227), (5, 50251),

Gene: Plumbus_85 Start: 47316, Stop: 47489, Start Num: 3
Candidate Starts for Plumbus_85:
(1, 47241), (2, 47262), (Start: 3 @47316 has 38 MA's), (4, 47451), (5, 47475),

Gene: PopTart_76 Start: 46987, Stop: 47160, Start Num: 3
Candidate Starts for PopTart_76:
(1, 46912), (2, 46933), (Start: 3 @46987 has 38 MA's), (4, 47122), (5, 47146),

Gene: QuickMath_83 Start: 49490, Stop: 49663, Start Num: 3
Candidate Starts for QuickMath_83:
(1, 49415), (2, 49436), (Start: 3 @49490 has 38 MA's), (4, 49625), (5, 49649),

Gene: Quico_90 Start: 51241, Stop: 51414, Start Num: 3
Candidate Starts for Quico_90:
(1, 51166), (2, 51187), (Start: 3 @51241 has 38 MA's), (4, 51376), (5, 51400),

Gene: Royals2015_89 Start: 49589, Stop: 49762, Start Num: 3
Candidate Starts for Royals2015_89:
(1, 49514), (2, 49535), (Start: 3 @49589 has 38 MA's), (4, 49724), (5, 49748),

Gene: SassyB_76 Start: 46987, Stop: 47160, Start Num: 3
Candidate Starts for SassyB_76:
(1, 46912), (2, 46933), (Start: 3 @46987 has 38 MA's), (4, 47122), (5, 47146),

Gene: Seagreen_83 Start: 50090, Stop: 50263, Start Num: 3

Candidate Starts for Seagreen_83:

(1, 50015), (2, 50036), (Start: 3 @50090 has 38 MA's), (4, 50225), (5, 50249),

Gene: ShiLan_84 Start: 51814, Stop: 51987, Start Num: 3

Candidate Starts for ShiLan_84:

(1, 51739), (2, 51760), (Start: 3 @51814 has 38 MA's), (4, 51949), (5, 51973),

Gene: Spoonbill_80 Start: 47727, Stop: 47900, Start Num: 3

Candidate Starts for Spoonbill_80:

(1, 47652), (2, 47673), (Start: 3 @47727 has 38 MA's), (4, 47862), (5, 47886),

Gene: Strokeseat_79 Start: 47143, Stop: 47316, Start Num: 3

Candidate Starts for Strokeseat_79:

(1, 47068), (2, 47089), (Start: 3 @47143 has 38 MA's), (4, 47278), (5, 47302),

Gene: Taj_91 Start: 51841, Stop: 52014, Start Num: 3

Candidate Starts for Taj_91:

(1, 51766), (2, 51787), (Start: 3 @51841 has 38 MA's), (4, 51976), (5, 52000),

Gene: Tweety_85 Start: 50918, Stop: 51091, Start Num: 3

Candidate Starts for Tweety_85:

(1, 50843), (2, 50864), (Start: 3 @50918 has 38 MA's), (4, 51053), (5, 51077),

Gene: Wee_90 Start: 51917, Stop: 52090, Start Num: 3

Candidate Starts for Wee_90:

(1, 51842), (2, 51863), (Start: 3 @51917 has 38 MA's), (4, 52052), (5, 52076),

Gene: Whouxphf_79 Start: 49109, Stop: 49282, Start Num: 3

Candidate Starts for Whouxphf_79:

(1, 49034), (2, 49055), (Start: 3 @49109 has 38 MA's), (4, 49244), (5, 49268),