



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 194148 Report

This analysis was run 11/02/24 on database version 579.

Pham number 194148 has 41 members, 0 are drafts.

Phages represented in each track:

- Track 1 : OrionPax_8
- Track 2 : Megiddo_71, Jung_69, KilKor_72, Necropolis_69, Juniormint_68, Brusacoram_70, Bogie_74, Langerak_70, Fishburne_70, Sonah_72, Donovan_71, HUHilltop_74, DillTech15_81, Pygmy_75, Phalm_72, Ksquared_72, Phineas_72, CactusJack_72, Camster_72, Malithi_71, Bunnies_74, StressBall_71, Jebeks_69, Techage_72, Zilizebeth_76, Totinger_76, Majeke_74, Atcoo_70, Phegasus_74, GreaseLightnin_73, FirstPlacePfu_72, Thespis_70, Fastidio_74, Shipwreck_74, Glaske_71, Dynamo_71, Mangethe_74, StevieRay_73, Willsammy_73, LittleShirley_80

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 40 of the 41 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Atcoo_70, Bogie_74, Brusacoram_70, Bunnies_74, CactusJack_72, Camster_72, DillTech15_81, Donovan_71, Dynamo_71, Fastidio_74, FirstPlacePfu_72, Fishburne_70, Glaske_71, GreaseLightnin_73, HUHilltop_74, Jebeks_69, Jung_69, Juniormint_68, KilKor_72, Ksquared_72, Langerak_70, LittleShirley_80, Majeke_74, Malithi_71, Mangethe_74, Megiddo_71, Necropolis_69, Phalm_72, Phegasus_74, Phineas_72, Pygmy_75, Shipwreck_74, Sonah_72, StevieRay_73, StressBall_71, Techage_72, Thespis_70, Totinger_76, Willsammy_73, Zilizebeth_76,

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

- OrionPax_8,

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

-

Summary by start number:

Start 2:

- Found in 1 of 41 (2.4%) of genes in pham

- Manual Annotations of this start: 1 of 41
- Called 100.0% of time when present
- Phage (with cluster) where this start called: OrionPax_8 (E),

Start 3:

- Found in 41 of 41 (100.0%) of genes in pham
- Manual Annotations of this start: 40 of 41
- Called 97.6% of time when present
- Phage (with cluster) where this start called: Atcoo_70 (P1), Bogie_74 (P1), Brusacoram_70 (P1), Bunnies_74 (P1), CactusJack_72 (P1), Camster_72 (P1), DillTech15_81 (F1), Donovan_71 (P1), Dynamo_71 (P1), Fastidio_74 (F1), FirstPlacePfu_72 (P1), Fishburne_70 (P1), Glaske_71 (P1), GreaseLightnin_73 (P1), HUHilltop_74 (P1), Jebeks_69 (P1), Jung_69 (P1), Juniormint_68 (P1), KilKor_72 (P1), Ksqared_72 (P1), Langerak_70 (P1), LittleShirley_80 (F1), Majeke_74 (P1), Malithi_71 (P1), Mangethe_74 (P1), Megiddo_71 (P1), Necropolis_69 (P1), Phalm_72 (P1), Phegasus_74 (P1), Phineas_72 (P1), Pygmy_75 (P1), Shipwreck_74 (P1), Sonah_72 (P1), StevieRay_73 (P1), StressBall_71 (P1), Techage_72 (P1), Thespis_70 (P1), Totinger_76 (F1), Willsammy_73 (P1), Zilizebeth_76 (P1),

Summary by clusters:

There are 3 clusters represented in this pham: F1, P1, E,

Info for manual annotations of cluster E:

- Start number 2 was manually annotated 1 time for cluster E.

Info for manual annotations of cluster F1:

- Start number 3 was manually annotated 4 times for cluster F1.

Info for manual annotations of cluster P1:

- Start number 3 was manually annotated 36 times for cluster P1.

Gene Information:

Gene: Atcoo_70 Start: 46361, Stop: 46687, Start Num: 3

Candidate Starts for Atcoo_70:

(Start: 3 @46361 has 40 MA's), (7, 46532), (9, 46622), (11, 46631),

Gene: Bogie_74 Start: 45973, Stop: 46299, Start Num: 3

Candidate Starts for Bogie_74:

(Start: 3 @45973 has 40 MA's), (7, 46144), (9, 46234), (11, 46243),

Gene: Brusacoram_70 Start: 44904, Stop: 45230, Start Num: 3

Candidate Starts for Brusacoram_70:

(Start: 3 @44904 has 40 MA's), (7, 45075), (9, 45165), (11, 45174),

Gene: Bunnies_74 Start: 46105, Stop: 46431, Start Num: 3

Candidate Starts for Bunnies_74:

(Start: 3 @46105 has 40 MA's), (7, 46276), (9, 46366), (11, 46375),

Gene: CactusJack_72 Start: 45601, Stop: 45927, Start Num: 3

Candidate Starts for CactusJack_72:

(Start: 3 @45601 has 40 MA's), (7, 45772), (9, 45862), (11, 45871),

Gene: Camster_72 Start: 44434, Stop: 44760, Start Num: 3

Candidate Starts for Camster_72:

(Start: 3 @44434 has 40 MA's), (7, 44605), (9, 44695), (11, 44704),

Gene: DillTech15_81 Start: 47595, Stop: 47921, Start Num: 3

Candidate Starts for DillTech15_81:

(Start: 3 @47595 has 40 MA's), (7, 47766), (9, 47856), (11, 47865),

Gene: Donovan_71 Start: 44563, Stop: 44889, Start Num: 3

Candidate Starts for Donovan_71:

(Start: 3 @44563 has 40 MA's), (7, 44734), (9, 44824), (11, 44833),

Gene: Dynamo_71 Start: 44007, Stop: 44333, Start Num: 3

Candidate Starts for Dynamo_71:

(Start: 3 @44007 has 40 MA's), (7, 44178), (9, 44268), (11, 44277),

Gene: Fastidio_74 Start: 44403, Stop: 44729, Start Num: 3

Candidate Starts for Fastidio_74:

(Start: 3 @44403 has 40 MA's), (7, 44574), (9, 44664), (11, 44673),

Gene: FirstPlacePfu_72 Start: 42966, Stop: 43292, Start Num: 3

Candidate Starts for FirstPlacePfu_72:

(Start: 3 @42966 has 40 MA's), (7, 43137), (9, 43227), (11, 43236),

Gene: Fishburne_70 Start: 44389, Stop: 44715, Start Num: 3

Candidate Starts for Fishburne_70:

(Start: 3 @44389 has 40 MA's), (7, 44560), (9, 44650), (11, 44659),

Gene: Glaske_71 Start: 45601, Stop: 45927, Start Num: 3

Candidate Starts for Glaske_71:

(Start: 3 @45601 has 40 MA's), (7, 45772), (9, 45862), (11, 45871),

Gene: GreaseLightnin_73 Start: 45758, Stop: 46084, Start Num: 3

Candidate Starts for GreaseLightnin_73:

(Start: 3 @45758 has 40 MA's), (7, 45929), (9, 46019), (11, 46028),

Gene: HUHilltop_74 Start: 44230, Stop: 44556, Start Num: 3

Candidate Starts for HUHilltop_74:

(Start: 3 @44230 has 40 MA's), (7, 44401), (9, 44491), (11, 44500),

Gene: Jebeks_69 Start: 42861, Stop: 43187, Start Num: 3

Candidate Starts for Jebeks_69:

(Start: 3 @42861 has 40 MA's), (7, 43032), (9, 43122), (11, 43131),

Gene: Jung_69 Start: 43882, Stop: 44208, Start Num: 3

Candidate Starts for Jung_69:

(Start: 3 @43882 has 40 MA's), (7, 44053), (9, 44143), (11, 44152),

Gene: Juniormint_68 Start: 42976, Stop: 43302, Start Num: 3

Candidate Starts for Juniormint_68:

(Start: 3 @42976 has 40 MA's), (7, 43147), (9, 43237), (11, 43246),

Gene: KilKor_72 Start: 46294, Stop: 46620, Start Num: 3

Candidate Starts for KilKor_72:

(Start: 3 @46294 has 40 MA's), (7, 46465), (9, 46555), (11, 46564),

Gene: Ksquared_72 Start: 45982, Stop: 46308, Start Num: 3

Candidate Starts for Ksquared_72:

(Start: 3 @45982 has 40 MA's), (7, 46153), (9, 46243), (11, 46252),

Gene: Langerak_70 Start: 44367, Stop: 44693, Start Num: 3

Candidate Starts for Langerak_70:

(Start: 3 @44367 has 40 MA's), (7, 44538), (9, 44628), (11, 44637),

Gene: LittleShirley_80 Start: 48076, Stop: 48402, Start Num: 3

Candidate Starts for LittleShirley_80:

(Start: 3 @48076 has 40 MA's), (7, 48247), (9, 48337), (11, 48346),

Gene: Majeke_74 Start: 45012, Stop: 45338, Start Num: 3

Candidate Starts for Majeke_74:

(Start: 3 @45012 has 40 MA's), (7, 45183), (9, 45273), (11, 45282),

Gene: Malithi_71 Start: 44156, Stop: 44482, Start Num: 3

Candidate Starts for Malithi_71:

(Start: 3 @44156 has 40 MA's), (7, 44327), (9, 44417), (11, 44426),

Gene: Mangethe_74 Start: 45012, Stop: 45338, Start Num: 3

Candidate Starts for Mangethe_74:

(Start: 3 @45012 has 40 MA's), (7, 45183), (9, 45273), (11, 45282),

Gene: Megiddo_71 Start: 46162, Stop: 46488, Start Num: 3

Candidate Starts for Megiddo_71:

(Start: 3 @46162 has 40 MA's), (7, 46333), (9, 46423), (11, 46432),

Gene: Necropolis_69 Start: 43597, Stop: 43923, Start Num: 3

Candidate Starts for Necropolis_69:

(Start: 3 @43597 has 40 MA's), (7, 43768), (9, 43858), (11, 43867),

Gene: OrionPax_8 Start: 2420, Stop: 2112, Start Num: 2

Candidate Starts for OrionPax_8:

(1, 2447), (Start: 2 @2420 has 1 MA's), (Start: 3 @2411 has 40 MA's), (4, 2294), (5, 2282), (6, 2261),
(8, 2192), (9, 2150), (10, 2147),

Gene: Phalm_72 Start: 45592, Stop: 45918, Start Num: 3

Candidate Starts for Phalm_72:

(Start: 3 @45592 has 40 MA's), (7, 45763), (9, 45853), (11, 45862),

Gene: Phegasus_74 Start: 44979, Stop: 45305, Start Num: 3

Candidate Starts for Phegasus_74:

(Start: 3 @44979 has 40 MA's), (7, 45150), (9, 45240), (11, 45249),

Gene: Phineas_72 Start: 44564, Stop: 44890, Start Num: 3

Candidate Starts for Phineas_72:

(Start: 3 @44564 has 40 MA's), (7, 44735), (9, 44825), (11, 44834),

Gene: Pygmy_75 Start: 45946, Stop: 46272, Start Num: 3

Candidate Starts for Pygmy_75:

(Start: 3 @45946 has 40 MA's), (7, 46117), (9, 46207), (11, 46216),

Gene: Shipwreck_74 Start: 46004, Stop: 46330, Start Num: 3

Candidate Starts for Shipwreck_74:

(Start: 3 @46004 has 40 MA's), (7, 46175), (9, 46265), (11, 46274),

Gene: Sonah_72 Start: 43701, Stop: 44027, Start Num: 3

Candidate Starts for Sonah_72:

(Start: 3 @43701 has 40 MA's), (7, 43872), (9, 43962), (11, 43971),

Gene: StevieRay_73 Start: 46138, Stop: 46464, Start Num: 3

Candidate Starts for StevieRay_73:

(Start: 3 @46138 has 40 MA's), (7, 46309), (9, 46399), (11, 46408),

Gene: StressBall_71 Start: 45294, Stop: 45620, Start Num: 3

Candidate Starts for StressBall_71:

(Start: 3 @45294 has 40 MA's), (7, 45465), (9, 45555), (11, 45564),

Gene: Techage_72 Start: 44495, Stop: 44821, Start Num: 3

Candidate Starts for Techage_72:

(Start: 3 @44495 has 40 MA's), (7, 44666), (9, 44756), (11, 44765),

Gene: Thespis_70 Start: 44904, Stop: 45230, Start Num: 3

Candidate Starts for Thespis_70:

(Start: 3 @44904 has 40 MA's), (7, 45075), (9, 45165), (11, 45174),

Gene: Totinger_76 Start: 47153, Stop: 47479, Start Num: 3

Candidate Starts for Totinger_76:

(Start: 3 @47153 has 40 MA's), (7, 47324), (9, 47414), (11, 47423),

Gene: Willsammy_73 Start: 45778, Stop: 46104, Start Num: 3

Candidate Starts for Willsammy_73:

(Start: 3 @45778 has 40 MA's), (7, 45949), (9, 46039), (11, 46048),

Gene: Zilizebeth_76 Start: 45336, Stop: 45662, Start Num: 3

Candidate Starts for Zilizebeth_76:

(Start: 3 @45336 has 40 MA's), (7, 45507), (9, 45597), (11, 45606),