



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 2443 Report

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

Pham number 2443 has 40 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Megiddo_70, Juniormint_67, Jung_68, KilKor_71, Dynamo_70, Malithi_70, Bogie_73, Brusacoram_69, HUHilltop_73, Atcoo_69, Donovan_70, DillTech15_80, Thespis_69, Mangethe_73, Phalm_71, StressBall_70, Phineas_71, Ksquared_71, CactusJack_71, Camster_71, Bunnies_73, Necropolis_68, Jebeks_68, Techage_71, Majeke_73, Totinger_76, Zilizebeth_75, Phegasus_73, Langerak_69, Fishburne_69, LittleShirley_79, Fastidio_71, FirstPlacePfu_71, Pygmy_73, Glaske_70, Shipwreck_73, StevieRay_72, Willsammy_72, GreaseLightnin_72
- Track 2 : Sonah_71

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

The start number called the most often in the published annotations is 1, it was called in 36 of the 36 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Atcoo_69, Bogie_73, Brusacoram_69, Bunnies_73, CactusJack_71, Camster_71, DillTech15_80, Donovan_70, Dynamo_70, Fastidio_71, FirstPlacePfu_71, Fishburne_69, Glaske_70, GreaseLightnin_72, HUHilltop_73, Jebeks_68, Jung_68, Juniormint_67, KilKor_71, Ksquared_71, Langerak_69, LittleShirley_79, Majeke_73, Malithi_70, Mangethe_73, Megiddo_70, Necropolis_68, Phalm_71, Phegasus_73, Phineas_71, Pygmy_73, Shipwreck_73, Sonah_71, StevieRay_72, StressBall_70, Techage_71, Thespis_69, Totinger_76, Willsammy_72, Zilizebeth_75,

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 1:

- Found in 40 of 40 (100.0%) of genes in pham
- Manual Annotations of this start: 36 of 36

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Atcoo_69 (P1), Bogie_73 (P1), Brusacoram_69 (P1), Bunnies_73 (P1), CactusJack_71 (P1), Camster_71 (P1), DillTech15_80 (F1), Donovan_70 (P1), Dynamo_70 (P1), Fastidio_71 (F1), FirstPlacePfu_71 (P1), Fishburne_69 (P1), Glaske_70 (P1), GreaseLightnin_72 (P1), HUHilltop_73 (P1), Jebeks_68 (P1), Jung_68 (P1), Juniormint_67 (P1), KilKor_71 (P1), Ksquared_71 (P1), Langerak_69 (P1), LittleShirley_79 (F1), Majeke_73 (P1), Malithi_70 (P1), Mangethe_73 (P1), Megiddo_70 (P1), Necropolis_68 (P1), Phalm_71 (P1), Phegasus_73 (P1), Phineas_71 (P1), Pygmy_73 (P1), Shipwreck_73 (P1), Sonah_71 (P1), StevieRay_72 (P1), StressBall_70 (P1), Techage_71 (P1), Thespis_69 (P1), Totinger_76 (F1), Willsammy_72 (P1), Zilizebeth_75 (P1),

Summary by clusters:

There are 2 clusters represented in this pham: F1, P1,

Info for manual annotations of cluster F1:

- Start number 1 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster P1:

- Start number 1 was manually annotated 35 times for cluster P1.

Gene Information:

Gene: Atcoo_69 Start: 46085, Stop: 46297, Start Num: 1

Candidate Starts for Atcoo_69:

(Start: 1 @46085 has 36 MA's), (2, 46136),

Gene: Bogie_73 Start: 45697, Stop: 45909, Start Num: 1

Candidate Starts for Bogie_73:

(Start: 1 @45697 has 36 MA's), (2, 45748),

Gene: Brusacoram_69 Start: 44628, Stop: 44840, Start Num: 1

Candidate Starts for Brusacoram_69:

(Start: 1 @44628 has 36 MA's), (2, 44679),

Gene: Bunnies_73 Start: 45829, Stop: 46041, Start Num: 1

Candidate Starts for Bunnies_73:

(Start: 1 @45829 has 36 MA's), (2, 45880),

Gene: CactusJack_71 Start: 45325, Stop: 45537, Start Num: 1

Candidate Starts for CactusJack_71:

(Start: 1 @45325 has 36 MA's), (2, 45376),

Gene: Camster_71 Start: 44158, Stop: 44370, Start Num: 1

Candidate Starts for Camster_71:

(Start: 1 @44158 has 36 MA's), (2, 44209),

Gene: DillTech15_80 Start: 47319, Stop: 47531, Start Num: 1

Candidate Starts for DillTech15_80:

(Start: 1 @47319 has 36 MA's), (2, 47370),

Gene: Donovan_70 Start: 44287, Stop: 44499, Start Num: 1
Candidate Starts for Donovan_70:
(Start: 1 @44287 has 36 MA's), (2, 44338),

Gene: Dynamo_70 Start: 43731, Stop: 43943, Start Num: 1
Candidate Starts for Dynamo_70:
(Start: 1 @43731 has 36 MA's), (2, 43782),

Gene: Fastidio_71 Start: 44127, Stop: 44339, Start Num: 1
Candidate Starts for Fastidio_71:
(Start: 1 @44127 has 36 MA's), (2, 44178),

Gene: FirstPlacePfu_71 Start: 42690, Stop: 42902, Start Num: 1
Candidate Starts for FirstPlacePfu_71:
(Start: 1 @42690 has 36 MA's), (2, 42741),

Gene: Fishburne_69 Start: 44113, Stop: 44325, Start Num: 1
Candidate Starts for Fishburne_69:
(Start: 1 @44113 has 36 MA's), (2, 44164),

Gene: Glaske_70 Start: 45325, Stop: 45537, Start Num: 1
Candidate Starts for Glaske_70:
(Start: 1 @45325 has 36 MA's), (2, 45376),

Gene: GreaseLightnin_72 Start: 45482, Stop: 45694, Start Num: 1
Candidate Starts for GreaseLightnin_72:
(Start: 1 @45482 has 36 MA's), (2, 45533),

Gene: HUHilltop_73 Start: 43954, Stop: 44166, Start Num: 1
Candidate Starts for HUHilltop_73:
(Start: 1 @43954 has 36 MA's), (2, 44005),

Gene: Jebeks_68 Start: 42585, Stop: 42797, Start Num: 1
Candidate Starts for Jebeks_68:
(Start: 1 @42585 has 36 MA's), (2, 42636),

Gene: Jung_68 Start: 43606, Stop: 43818, Start Num: 1
Candidate Starts for Jung_68:
(Start: 1 @43606 has 36 MA's), (2, 43657),

Gene: Juniormint_67 Start: 42700, Stop: 42912, Start Num: 1
Candidate Starts for Juniormint_67:
(Start: 1 @42700 has 36 MA's), (2, 42751),

Gene: KilKor_71 Start: 46018, Stop: 46230, Start Num: 1
Candidate Starts for KilKor_71:
(Start: 1 @46018 has 36 MA's), (2, 46069),

Gene: Ksquared_71 Start: 45706, Stop: 45918, Start Num: 1
Candidate Starts for Ksquared_71:
(Start: 1 @45706 has 36 MA's), (2, 45757),

Gene: Langerak_69 Start: 44091, Stop: 44303, Start Num: 1
Candidate Starts for Langerak_69:
(Start: 1 @44091 has 36 MA's), (2, 44142),

Gene: LittleShirley_79 Start: 47800, Stop: 48012, Start Num: 1
Candidate Starts for LittleShirley_79:
(Start: 1 @47800 has 36 MA's), (2, 47851),

Gene: Majeke_73 Start: 44736, Stop: 44948, Start Num: 1
Candidate Starts for Majeke_73:
(Start: 1 @44736 has 36 MA's), (2, 44787),

Gene: Malithi_70 Start: 43880, Stop: 44092, Start Num: 1
Candidate Starts for Malithi_70:
(Start: 1 @43880 has 36 MA's), (2, 43931),

Gene: Mangethe_73 Start: 44736, Stop: 44948, Start Num: 1
Candidate Starts for Mangethe_73:
(Start: 1 @44736 has 36 MA's), (2, 44787),

Gene: Megiddo_70 Start: 45886, Stop: 46098, Start Num: 1
Candidate Starts for Megiddo_70:
(Start: 1 @45886 has 36 MA's), (2, 45937),

Gene: Necropolis_68 Start: 43321, Stop: 43533, Start Num: 1
Candidate Starts for Necropolis_68:
(Start: 1 @43321 has 36 MA's), (2, 43372),

Gene: Phalm_71 Start: 45316, Stop: 45528, Start Num: 1
Candidate Starts for Phalm_71:
(Start: 1 @45316 has 36 MA's), (2, 45367),

Gene: Phegasus_73 Start: 44703, Stop: 44915, Start Num: 1
Candidate Starts for Phegasus_73:
(Start: 1 @44703 has 36 MA's), (2, 44754),

Gene: Phineas_71 Start: 44288, Stop: 44500, Start Num: 1
Candidate Starts for Phineas_71:
(Start: 1 @44288 has 36 MA's), (2, 44339),

Gene: Pygmy_73 Start: 45670, Stop: 45882, Start Num: 1
Candidate Starts for Pygmy_73:
(Start: 1 @45670 has 36 MA's), (2, 45721),

Gene: Shipwreck_73 Start: 45728, Stop: 45940, Start Num: 1
Candidate Starts for Shipwreck_73:
(Start: 1 @45728 has 36 MA's), (2, 45779),

Gene: Sonah_71 Start: 43425, Stop: 43637, Start Num: 1
Candidate Starts for Sonah_71:
(Start: 1 @43425 has 36 MA's), (2, 43476),

Gene: StevieRay_72 Start: 45862, Stop: 46074, Start Num: 1

Candidate Starts for StevieRay_72:
(Start: 1 @45862 has 36 MA's), (2, 45913),

Gene: StressBall_70 Start: 45018, Stop: 45230, Start Num: 1
Candidate Starts for StressBall_70:
(Start: 1 @45018 has 36 MA's), (2, 45069),

Gene: Techage_71 Start: 44219, Stop: 44431, Start Num: 1
Candidate Starts for Techage_71:
(Start: 1 @44219 has 36 MA's), (2, 44270),

Gene: Thespis_69 Start: 44628, Stop: 44840, Start Num: 1
Candidate Starts for Thespis_69:
(Start: 1 @44628 has 36 MA's), (2, 44679),

Gene: Totinger_76 Start: 46877, Stop: 47089, Start Num: 1
Candidate Starts for Totinger_76:
(Start: 1 @46877 has 36 MA's), (2, 46928),

Gene: Willsammy_72 Start: 45502, Stop: 45714, Start Num: 1
Candidate Starts for Willsammy_72:
(Start: 1 @45502 has 36 MA's), (2, 45553),

Gene: Zilizebeth_75 Start: 45060, Stop: 45272, Start Num: 1
Candidate Starts for Zilizebeth_75:
(Start: 1 @45060 has 36 MA's), (2, 45111),