



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 85821 Report

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

Pham number 85821 has 47 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Athena_10, OrangeOswald_9, Yinz_9, Marley1013_9, Phaedrus_8, Halfpint_8, Akoma_9, Kronus_8, Gadget_10, Chandler_9, Audrey_9, Philly_8, HarveySr_9, Compostia_9, Rita1961_9, Mortcellus_8, RomaT_9, Deenasa_9, Devonte_9, MmasiCarm_9, Phlyer_9, Abinghost_9, RagingRooster_9, ChaChing_9, Kamiyu_9, SynergyX_9, Casbah_8, Heathcliff_9, LestyG_9, Obutu_9, Yahalom_9, Jackstina_8, Neos5_9, Phayeta_9, Pipefish_9, Ben11_8, GlenHope_10, Tydolla_9, Nozo_9, Morty007_9, Bernardo_9, SlippinJimmy_9, Gervas_9, Daisy_9, Corofin_9, Baloo_9
- Track 2 : Briakila_9

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 44 of the 44 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abinghost_9, Akoma_9, Athena_10, Audrey_9, Baloo_9, Ben11_8, Bernardo_9, Briakila_9, Casbah_8, ChaChing_9, Chandler_9, Compostia_9, Corofin_9, Daisy_9, Deenasa_9, Devonte_9, Gadget_10, Gervas_9, GlenHope_10, Halfpint_8, HarveySr_9, Heathcliff_9, Jackstina_8, Kamiyu_9, Kronus_8, LestyG_9, Marley1013_9, MmasiCarm_9, Mortcellus_8, Morty007_9, Neos5_9, Nozo_9, Obutu_9, OrangeOswald_9, Phaedrus_8, Phayeta_9, Philly_8, Phlyer_9, Pipefish_9, RagingRooster_9, Rita1961_9, RomaT_9, SlippinJimmy_9, SynergyX_9, Tydolla_9, Yahalom_9, Yinz_9,

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 47 of 47 (100.0%) of genes in pham
- Manual Annotations of this start: 44 of 44
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abinghost_9 (B3), Akoma_9 (B3), Athena_10 (B3), Audrey_9 (B3), Baloo_9 (B3), Ben11_8 (B3), Bernardo_9 (B3), Briakila_9 (B3), Casbah_8 (B3), ChaChing_9 (B3), Chandler_9 (B3), Compostia_9 (B3), Corofin_9 (B3), Daisy_9 (B3), Deenasa_9 (B3), Devonte_9 (B3), Gadget_10 (B3), Gervas_9 (B3), GlenHope_10 (B3), Halfpint_8 (B3), HarveySr_9 (B3), Heathcliff_9 (B3), Jackstina_8 (B3), Kamiyu_9 (B3), Kronus_8 (B3), LestyG_9 (B3), Marley1013_9 (B3), MmasiCarm_9 (B3), Mortcellus_8 (B3), Morty007_9 (B3), Neos5_9 (B3), Nozo_9 (B3), Obutu_9 (B3), OrangeOswald_9 (B3), Phaedrus_8 (B3), Phayeta_9 (B3), Philly_8 (B3), Phlyer_9 (B3), Pipefish_9 (B3), RagingRooster_9 (B3), Rita1961_9 (B3), RomaT_9 (B3), SlippinJimmy_9 (B3), SynergyX_9 (B3), Tydolla_9 (B3), Yahalom_9 (B3), Yinz_9 (B3),

Summary by clusters:

There is one cluster represented in this pham: B3

Info for manual annotations of cluster B3:

- Start number 1 was manually annotated 44 times for cluster B3.

Gene Information:

Gene: Abinghost_9 Start: 5844, Stop: 5548, Start Num: 1

Candidate Starts for Abinghost_9:

(Start: 1 @5844 has 44 MA's), (2, 5802), (3, 5778), (4, 5658),

Gene: Akoma_9 Start: 5844, Stop: 5548, Start Num: 1

Candidate Starts for Akoma_9:

(Start: 1 @5844 has 44 MA's), (2, 5802), (3, 5778), (4, 5658),

Gene: Athena_10 Start: 6607, Stop: 6311, Start Num: 1

Candidate Starts for Athena_10:

(Start: 1 @6607 has 44 MA's), (2, 6565), (3, 6541), (4, 6421),

Gene: Audrey_9 Start: 5844, Stop: 5548, Start Num: 1

Candidate Starts for Audrey_9:

(Start: 1 @5844 has 44 MA's), (2, 5802), (3, 5778), (4, 5658),

Gene: Baloo_9 Start: 5844, Stop: 5548, Start Num: 1

Candidate Starts for Baloo_9:

(Start: 1 @5844 has 44 MA's), (2, 5802), (3, 5778), (4, 5658),

Gene: Ben11_8 Start: 5692, Stop: 5396, Start Num: 1

Candidate Starts for Ben11_8:

(Start: 1 @5692 has 44 MA's), (2, 5650), (3, 5626), (4, 5506),

Gene: Bernardo_9 Start: 5872, Stop: 5576, Start Num: 1

Candidate Starts for Bernardo_9:

(Start: 1 @5872 has 44 MA's), (2, 5830), (3, 5806), (4, 5686),

Gene: Briakila_9 Start: 6633, Stop: 6337, Start Num: 1

Candidate Starts for Briakila_9:

(Start: 1 @6633 has 44 MA's), (3, 6567), (4, 6447),

Gene: Casbah_8 Start: 5693, Stop: 5397, Start Num: 1

Candidate Starts for Casbah_8:

(Start: 1 @5693 has 44 MA's), (2, 5651), (3, 5627), (4, 5507),

Gene: ChaChing_9 Start: 5859, Stop: 5563, Start Num: 1

Candidate Starts for ChaChing_9:

(Start: 1 @5859 has 44 MA's), (2, 5817), (3, 5793), (4, 5673),

Gene: Chandler_9 Start: 6607, Stop: 6311, Start Num: 1

Candidate Starts for Chandler_9:

(Start: 1 @6607 has 44 MA's), (2, 6565), (3, 6541), (4, 6421),

Gene: Compostia_9 Start: 5852, Stop: 5556, Start Num: 1

Candidate Starts for Compostia_9:

(Start: 1 @5852 has 44 MA's), (2, 5810), (3, 5786), (4, 5666),

Gene: Corofin_9 Start: 5869, Stop: 5573, Start Num: 1

Candidate Starts for Corofin_9:

(Start: 1 @5869 has 44 MA's), (2, 5827), (3, 5803), (4, 5683),

Gene: Daisy_9 Start: 5847, Stop: 5551, Start Num: 1

Candidate Starts for Daisy_9:

(Start: 1 @5847 has 44 MA's), (2, 5805), (3, 5781), (4, 5661),

Gene: Deenasa_9 Start: 6607, Stop: 6311, Start Num: 1

Candidate Starts for Deenasa_9:

(Start: 1 @6607 has 44 MA's), (2, 6565), (3, 6541), (4, 6421),

Gene: Devonte_9 Start: 5844, Stop: 5548, Start Num: 1

Candidate Starts for Devonte_9:

(Start: 1 @5844 has 44 MA's), (2, 5802), (3, 5778), (4, 5658),

Gene: Gadget_10 Start: 5848, Stop: 5552, Start Num: 1

Candidate Starts for Gadget_10:

(Start: 1 @5848 has 44 MA's), (2, 5806), (3, 5782), (4, 5662),

Gene: Gervas_9 Start: 5839, Stop: 5543, Start Num: 1

Candidate Starts for Gervas_9:

(Start: 1 @5839 has 44 MA's), (2, 5797), (3, 5773), (4, 5653),

Gene: GlenHope_10 Start: 5858, Stop: 5562, Start Num: 1

Candidate Starts for GlenHope_10:

(Start: 1 @5858 has 44 MA's), (2, 5816), (3, 5792), (4, 5672),

Gene: Halfpint_8 Start: 5693, Stop: 5397, Start Num: 1

Candidate Starts for Halfpint_8:

(Start: 1 @5693 has 44 MA's), (2, 5651), (3, 5627), (4, 5507),

Gene: HarveySr_9 Start: 5845, Stop: 5549, Start Num: 1
Candidate Starts for HarveySr_9:
(Start: 1 @5845 has 44 MA's), (2, 5803), (3, 5779), (4, 5659),

Gene: Heathcliff_9 Start: 5839, Stop: 5543, Start Num: 1
Candidate Starts for Heathcliff_9:
(Start: 1 @5839 has 44 MA's), (2, 5797), (3, 5773), (4, 5653),

Gene: Jackstina_8 Start: 5761, Stop: 5465, Start Num: 1
Candidate Starts for Jackstina_8:
(Start: 1 @5761 has 44 MA's), (2, 5719), (3, 5695), (4, 5575),

Gene: Kamiyu_9 Start: 5839, Stop: 5543, Start Num: 1
Candidate Starts for Kamiyu_9:
(Start: 1 @5839 has 44 MA's), (2, 5797), (3, 5773), (4, 5653),

Gene: Kronus_8 Start: 6454, Stop: 6158, Start Num: 1
Candidate Starts for Kronus_8:
(Start: 1 @6454 has 44 MA's), (2, 6412), (3, 6388), (4, 6268),

Gene: LestyG_9 Start: 5848, Stop: 5552, Start Num: 1
Candidate Starts for LestyG_9:
(Start: 1 @5848 has 44 MA's), (2, 5806), (3, 5782), (4, 5662),

Gene: Marley1013_9 Start: 6634, Stop: 6338, Start Num: 1
Candidate Starts for Marley1013_9:
(Start: 1 @6634 has 44 MA's), (2, 6592), (3, 6568), (4, 6448),

Gene: MmasiCarm_9 Start: 5844, Stop: 5548, Start Num: 1
Candidate Starts for MmasiCarm_9:
(Start: 1 @5844 has 44 MA's), (2, 5802), (3, 5778), (4, 5658),

Gene: Mortcellus_8 Start: 6482, Stop: 6186, Start Num: 1
Candidate Starts for Mortcellus_8:
(Start: 1 @6482 has 44 MA's), (2, 6440), (3, 6416), (4, 6296),

Gene: Morty007_9 Start: 6634, Stop: 6338, Start Num: 1
Candidate Starts for Morty007_9:
(Start: 1 @6634 has 44 MA's), (2, 6592), (3, 6568), (4, 6448),

Gene: Neos5_9 Start: 6634, Stop: 6338, Start Num: 1
Candidate Starts for Neos5_9:
(Start: 1 @6634 has 44 MA's), (2, 6592), (3, 6568), (4, 6448),

Gene: Nozo_9 Start: 6606, Stop: 6310, Start Num: 1
Candidate Starts for Nozo_9:
(Start: 1 @6606 has 44 MA's), (2, 6564), (3, 6540), (4, 6420),

Gene: Obutu_9 Start: 5845, Stop: 5549, Start Num: 1
Candidate Starts for Obutu_9:
(Start: 1 @5845 has 44 MA's), (2, 5803), (3, 5779), (4, 5659),

Gene: OrangeOswald_9 Start: 5844, Stop: 5548, Start Num: 1

Candidate Starts for OrangeOswald_9:
(Start: 1 @5844 has 44 MA's), (2, 5802), (3, 5778), (4, 5658),

Gene: Phaedrus_8 Start: 5761, Stop: 5465, Start Num: 1
Candidate Starts for Phaedrus_8:
(Start: 1 @5761 has 44 MA's), (2, 5719), (3, 5695), (4, 5575),

Gene: Phayeta_9 Start: 5720, Stop: 5424, Start Num: 1
Candidate Starts for Phayeta_9:
(Start: 1 @5720 has 44 MA's), (2, 5678), (3, 5654), (4, 5534),

Gene: Philly_8 Start: 5734, Stop: 5438, Start Num: 1
Candidate Starts for Philly_8:
(Start: 1 @5734 has 44 MA's), (2, 5692), (3, 5668), (4, 5548),

Gene: Phlyer_9 Start: 6601, Stop: 6305, Start Num: 1
Candidate Starts for Phlyer_9:
(Start: 1 @6601 has 44 MA's), (2, 6559), (3, 6535), (4, 6415),

Gene: Pipefish_9 Start: 6739, Stop: 6443, Start Num: 1
Candidate Starts for Pipefish_9:
(Start: 1 @6739 has 44 MA's), (2, 6697), (3, 6673), (4, 6553),

Gene: RagingRooster_9 Start: 5845, Stop: 5549, Start Num: 1
Candidate Starts for RagingRooster_9:
(Start: 1 @5845 has 44 MA's), (2, 5803), (3, 5779), (4, 5659),

Gene: Rita1961_9 Start: 5845, Stop: 5549, Start Num: 1
Candidate Starts for Rita1961_9:
(Start: 1 @5845 has 44 MA's), (2, 5803), (3, 5779), (4, 5659),

Gene: RomaT_9 Start: 6607, Stop: 6311, Start Num: 1
Candidate Starts for RomaT_9:
(Start: 1 @6607 has 44 MA's), (2, 6565), (3, 6541), (4, 6421),

Gene: SlippinJimmy_9 Start: 6606, Stop: 6310, Start Num: 1
Candidate Starts for SlippinJimmy_9:
(Start: 1 @6606 has 44 MA's), (2, 6564), (3, 6540), (4, 6420),

Gene: SynergyX_9 Start: 5845, Stop: 5549, Start Num: 1
Candidate Starts for SynergyX_9:
(Start: 1 @5845 has 44 MA's), (2, 5803), (3, 5779), (4, 5659),

Gene: Tydolla_9 Start: 6606, Stop: 6310, Start Num: 1
Candidate Starts for Tydolla_9:
(Start: 1 @6606 has 44 MA's), (2, 6564), (3, 6540), (4, 6420),

Gene: Yahalom_9 Start: 5845, Stop: 5549, Start Num: 1
Candidate Starts for Yahalom_9:
(Start: 1 @5845 has 44 MA's), (2, 5803), (3, 5779), (4, 5659),

Gene: Yinz_9 Start: 5871, Stop: 5575, Start Num: 1
Candidate Starts for Yinz_9:

(Start: 1 @5871 has 44 MA's), (2, 5829), (3, 5805), (4, 5685),