



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 2090 Report

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

Pham number 2090 has 47 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Kronus_82, LestyG_80, Audrey_82, Jackstina_76, Tydolla_78, GlenHope_83, Nozo_82, Mortcellus_82, Heathcliff_82, Compostia_81, Ben11_82, Baloo_81, Rita1961_83, OrangeOswald_81, Obutu_84, Yinz_82, Briakila_82, Athena_84, Casbah_82, Philly_81, HarveySr_81, Halfpint_82, Morty007_81, Gadget_83, Phayeta_85, Chandler_82, Devonte_80, RagingRooster_81, RomaT_82, Deenasa_82, Daisy_81, Gervas_83, Neos5_82, SynergyX_82, Phaedruss_77, Corofin_82, Kamiyu_82, Marley1013_83, Pipefish_84, SlippinJimmy_85, Yahalom_80, Phlyer_82, Abinghost_82
- Track 2 : Bernardo_83, ChaChing_82, Akoma_82
- Track 3 : MmasiCarm_83

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

The start number called the most often in the published annotations is 2, it was called in 44 of the 44 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abinghost_82, Akoma_82, Athena_84, Audrey_82, Baloo_81, Ben11_82, Bernardo_83, Briakila_82, Casbah_82, ChaChing_82, Chandler_82, Compostia_81, Corofin_82, Daisy_81, Deenasa_82, Devonte_80, Gadget_83, Gervas_83, GlenHope_83, Halfpint_82, HarveySr_81, Heathcliff_82, Jackstina_76, Kamiyu_82, Kronus_82, LestyG_80, Marley1013_83, MmasiCarm_83, Mortcellus_82, Morty007_81, Neos5_82, Nozo_82, Obutu_84, OrangeOswald_81, Phaedruss_77, Phayeta_85, Philly_81, Phlyer_82, Pipefish_84, RagingRooster_81, Rita1961_83, RomaT_82, SlippinJimmy_85, SynergyX_82, Tydolla_78, Yahalom_80, Yinz_82,

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 2:

- 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_82 (B3), Akoma_82 (B3), Athena_84 (B3), Audrey_82 (B3), Baloo_81 (B3), Ben11_82 (B3), Bernardo_83 (B3), Briakila_82 (B3), Casbah_82 (B3), ChaChing_82 (B3), Chandler_82 (B3), Compostia_81 (B3), Corofin_82 (B3), Daisy_81 (B3), Deenasa_82 (B3), Devonte_80 (B3), Gadget_83 (B3), Gervas_83 (B3), GlenHope_83 (B3), Halfpint_82 (B3), HarveySr_81 (B3), Heathcliff_82 (B3), Jackstina_76 (B3), Kamiyu_82 (B3), Kronus_82 (B3), LestyG_80 (B3), Marley1013_83 (B3), MmasiCarm_83 (B3), Mortcellus_82 (B3), Morty007_81 (B3), Neos5_82 (B3), Nozo_82 (B3), Obutu_84 (B3), OrangeOswald_81 (B3), Phaedrus_77 (B3), Phayeta_85 (B3), Philly_81 (B3), Phlyer_82 (B3), Pipefish_84 (B3), RagingRooster_81 (B3), Rita1961_83 (B3), RomaT_82 (B3), SlippinJimmy_85 (B3), SynergyX_82 (B3), Tydolla_78 (B3), Yahalom_80 (B3), Yinz_82 (B3),

Summary by clusters:

There is one cluster represented in this pham: B3

Info for manual annotations of cluster B3:

- Start number 2 was manually annotated 44 times for cluster B3.

Gene Information:

Gene: Abinghost_82 Start: 61487, Stop: 61323, Start Num: 2

Candidate Starts for Abinghost_82:

(1, 61574), (Start: 2 @61487 has 44 MA's), (3, 61442), (4, 61415),

Gene: Akoma_82 Start: 61527, Stop: 61363, Start Num: 2

Candidate Starts for Akoma_82:

(1, 61614), (Start: 2 @61527 has 44 MA's), (4, 61455),

Gene: Athena_84 Start: 62262, Stop: 62098, Start Num: 2

Candidate Starts for Athena_84:

(1, 62349), (Start: 2 @62262 has 44 MA's), (3, 62217), (4, 62190),

Gene: Audrey_82 Start: 61516, Stop: 61352, Start Num: 2

Candidate Starts for Audrey_82:

(1, 61603), (Start: 2 @61516 has 44 MA's), (3, 61471), (4, 61444),

Gene: Baloo_81 Start: 61368, Stop: 61204, Start Num: 2

Candidate Starts for Baloo_81:

(1, 61455), (Start: 2 @61368 has 44 MA's), (3, 61323), (4, 61296),

Gene: Ben11_82 Start: 61743, Stop: 61579, Start Num: 2

Candidate Starts for Ben11_82:

(1, 61830), (Start: 2 @61743 has 44 MA's), (3, 61698), (4, 61671),

Gene: Bernardo_83 Start: 61706, Stop: 61542, Start Num: 2

Candidate Starts for Bernardo_83:

(1, 61793), (Start: 2 @61706 has 44 MA's), (4, 61634),

Gene: Briakila_82 Start: 61714, Stop: 61550, Start Num: 2

Candidate Starts for Briakila_82:

(1, 61801), (Start: 2 @61714 has 44 MA's), (3, 61669), (4, 61642),

Gene: Casbah_82 Start: 61827, Stop: 61663, Start Num: 2

Candidate Starts for Casbah_82:

(1, 61914), (Start: 2 @61827 has 44 MA's), (3, 61782), (4, 61755),

Gene: ChaChing_82 Start: 61532, Stop: 61368, Start Num: 2

Candidate Starts for ChaChing_82:

(1, 61619), (Start: 2 @61532 has 44 MA's), (4, 61460),

Gene: Chandler_82 Start: 62303, Stop: 62139, Start Num: 2

Candidate Starts for Chandler_82:

(1, 62390), (Start: 2 @62303 has 44 MA's), (3, 62258), (4, 62231),

Gene: Compostia_81 Start: 61972, Stop: 61808, Start Num: 2

Candidate Starts for Compostia_81:

(1, 62059), (Start: 2 @61972 has 44 MA's), (3, 61927), (4, 61900),

Gene: Corofin_82 Start: 61538, Stop: 61374, Start Num: 2

Candidate Starts for Corofin_82:

(1, 61625), (Start: 2 @61538 has 44 MA's), (3, 61493), (4, 61466),

Gene: Daisy_81 Start: 61089, Stop: 60925, Start Num: 2

Candidate Starts for Daisy_81:

(1, 61176), (Start: 2 @61089 has 44 MA's), (3, 61044), (4, 61017),

Gene: Deenasa_82 Start: 62438, Stop: 62274, Start Num: 2

Candidate Starts for Deenasa_82:

(1, 62525), (Start: 2 @62438 has 44 MA's), (3, 62393), (4, 62366),

Gene: Devonte_80 Start: 61155, Stop: 60991, Start Num: 2

Candidate Starts for Devonte_80:

(1, 61242), (Start: 2 @61155 has 44 MA's), (3, 61110), (4, 61083),

Gene: Gadget_83 Start: 61889, Stop: 61725, Start Num: 2

Candidate Starts for Gadget_83:

(1, 61976), (Start: 2 @61889 has 44 MA's), (3, 61844), (4, 61817),

Gene: Gervas_83 Start: 61983, Stop: 61819, Start Num: 2

Candidate Starts for Gervas_83:

(1, 62070), (Start: 2 @61983 has 44 MA's), (3, 61938), (4, 61911),

Gene: GlenHope_83 Start: 61562, Stop: 61398, Start Num: 2

Candidate Starts for GlenHope_83:

(1, 61649), (Start: 2 @61562 has 44 MA's), (3, 61517), (4, 61490),

Gene: Halfpint_82 Start: 61304, Stop: 61140, Start Num: 2

Candidate Starts for Halfpint_82:

(1, 61391), (Start: 2 @61304 has 44 MA's), (3, 61259), (4, 61232),

Gene: HarveySr_81 Start: 61073, Stop: 60909, Start Num: 2

Candidate Starts for HarveySr_81:

(1, 61160), (Start: 2 @61073 has 44 MA's), (3, 61028), (4, 61001),

Gene: Heathcliff_82 Start: 61483, Stop: 61319, Start Num: 2

Candidate Starts for Heathcliff_82:

(1, 61570), (Start: 2 @61483 has 44 MA's), (3, 61438), (4, 61411),

Gene: Jackstina_76 Start: 61397, Stop: 61233, Start Num: 2

Candidate Starts for Jackstina_76:

(1, 61484), (Start: 2 @61397 has 44 MA's), (3, 61352), (4, 61325),

Gene: Kamiyu_82 Start: 61486, Stop: 61322, Start Num: 2

Candidate Starts for Kamiyu_82:

(1, 61573), (Start: 2 @61486 has 44 MA's), (3, 61441), (4, 61414),

Gene: Kronus_82 Start: 62570, Stop: 62406, Start Num: 2

Candidate Starts for Kronus_82:

(1, 62657), (Start: 2 @62570 has 44 MA's), (3, 62525), (4, 62498),

Gene: LestyG_80 Start: 61056, Stop: 60892, Start Num: 2

Candidate Starts for LestyG_80:

(1, 61143), (Start: 2 @61056 has 44 MA's), (3, 61011), (4, 60984),

Gene: Marley1013_83 Start: 62422, Stop: 62258, Start Num: 2

Candidate Starts for Marley1013_83:

(1, 62509), (Start: 2 @62422 has 44 MA's), (3, 62377), (4, 62350),

Gene: MmasiCarm_83 Start: 61925, Stop: 61761, Start Num: 2

Candidate Starts for MmasiCarm_83:

(1, 62012), (Start: 2 @61925 has 44 MA's), (3, 61880),

Gene: Mortcellus_82 Start: 62651, Stop: 62487, Start Num: 2

Candidate Starts for Mortcellus_82:

(1, 62738), (Start: 2 @62651 has 44 MA's), (3, 62606), (4, 62579),

Gene: Morty007_81 Start: 62422, Stop: 62258, Start Num: 2

Candidate Starts for Morty007_81:

(1, 62509), (Start: 2 @62422 has 44 MA's), (3, 62377), (4, 62350),

Gene: Neos5_82 Start: 61884, Stop: 61720, Start Num: 2

Candidate Starts for Neos5_82:

(1, 61971), (Start: 2 @61884 has 44 MA's), (3, 61839), (4, 61812),

Gene: Nozo_82 Start: 62293, Stop: 62129, Start Num: 2

Candidate Starts for Nozo_82:

(1, 62380), (Start: 2 @62293 has 44 MA's), (3, 62248), (4, 62221),

Gene: Obutu_84 Start: 62096, Stop: 61932, Start Num: 2

Candidate Starts for Obutu_84:

(1, 62183), (Start: 2 @62096 has 44 MA's), (3, 62051), (4, 62024),

Gene: OrangeOswald_81 Start: 61528, Stop: 61364, Start Num: 2
Candidate Starts for OrangeOswald_81:
(1, 61615), (Start: 2 @61528 has 44 MA's), (3, 61483), (4, 61456),

Gene: Phaedrus_77 Start: 60944, Stop: 60780, Start Num: 2
Candidate Starts for Phaedrus_77:
(1, 61031), (Start: 2 @60944 has 44 MA's), (3, 60899), (4, 60872),

Gene: Phayeta_85 Start: 62013, Stop: 61849, Start Num: 2
Candidate Starts for Phayeta_85:
(1, 62100), (Start: 2 @62013 has 44 MA's), (3, 61968), (4, 61941),

Gene: Philly_81 Start: 61376, Stop: 61212, Start Num: 2
Candidate Starts for Philly_81:
(1, 61463), (Start: 2 @61376 has 44 MA's), (3, 61331), (4, 61304),

Gene: Phlyer_82 Start: 62239, Stop: 62075, Start Num: 2
Candidate Starts for Phlyer_82:
(1, 62326), (Start: 2 @62239 has 44 MA's), (3, 62194), (4, 62167),

Gene: Pipefish_84 Start: 62635, Stop: 62471, Start Num: 2
Candidate Starts for Pipefish_84:
(1, 62722), (Start: 2 @62635 has 44 MA's), (3, 62590), (4, 62563),

Gene: RagingRooster_81 Start: 61219, Stop: 61055, Start Num: 2
Candidate Starts for RagingRooster_81:
(1, 61306), (Start: 2 @61219 has 44 MA's), (3, 61174), (4, 61147),

Gene: Rita1961_83 Start: 61873, Stop: 61709, Start Num: 2
Candidate Starts for Rita1961_83:
(1, 61960), (Start: 2 @61873 has 44 MA's), (3, 61828), (4, 61801),

Gene: RomaT_82 Start: 62093, Stop: 61929, Start Num: 2
Candidate Starts for RomaT_82:
(1, 62180), (Start: 2 @62093 has 44 MA's), (3, 62048), (4, 62021),

Gene: SlippinJimmy_85 Start: 62903, Stop: 62739, Start Num: 2
Candidate Starts for SlippinJimmy_85:
(1, 62990), (Start: 2 @62903 has 44 MA's), (3, 62858), (4, 62831),

Gene: SynergyX_82 Start: 61530, Stop: 61366, Start Num: 2
Candidate Starts for SynergyX_82:
(1, 61617), (Start: 2 @61530 has 44 MA's), (3, 61485), (4, 61458),

Gene: Tydolla_78 Start: 61509, Stop: 61345, Start Num: 2
Candidate Starts for Tydolla_78:
(1, 61596), (Start: 2 @61509 has 44 MA's), (3, 61464), (4, 61437),

Gene: Yahalom_80 Start: 61336, Stop: 61172, Start Num: 2
Candidate Starts for Yahalom_80:
(1, 61423), (Start: 2 @61336 has 44 MA's), (3, 61291), (4, 61264),

Gene: Yinz_82 Start: 61401, Stop: 61237, Start Num: 2

Candidate Starts for Yinz_82:

(1, 61488), (Start: 2 @61401 has 44 MA's), (3, 61356), (4, 61329),