

Pham 2242



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 2242 Report

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

Pham number 2242 has 45 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Briakila_75, LestyG_73, Baloo_74, Gadget_76, Gervas_76, Ben11_75, Akoma_75, HarveySr_74, Daisy_74, Deenasa_75, Philly_74, RomaT_75, Abinghost_75, Nozo_75, Devonte_74, Morty007_74, Kronus_75, Kamiyu_75, SlippinJimmy_78, Marley1013_76, Phlyer_75, Yahalom_73, Athena_77, Neos5_75, Mortcellus_75, Heathcliff_75, MmasiCarm_76, Chandler_75, Yinz_75, GlenHope_76, SynergyX_75, Phaedrus_70, Compostia_74, RagingRooster_74, ChaChing_75
- Track 2 : Corofin_75, Bernardo_76, OrangeOswald_75, Phayeta_78, Rita1961_76
- Track 3 : Casbah_75
- Track 4 : Tydolla_71
- Track 5 : Audrey_75
- Track 6 : Obutu_77
- Track 7 : Halfpint_75

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

The start number called the most often in the published annotations is 14, it was called in 42 of the 42 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abinghost_75, Akoma_75, Athena_77, Audrey_75, Baloo_74, Ben11_75, Bernardo_76, Briakila_75, Casbah_75, ChaChing_75, Chandler_75, Compostia_74, Corofin_75, Daisy_74, Deenasa_75, Devonte_74, Gadget_76, Gervas_76, GlenHope_76, HarveySr_74, Heathcliff_75, Kamiyu_75, Kronus_75, LestyG_73, Marley1013_76, MmasiCarm_76, Mortcellus_75, Morty007_74, Neos5_75, Nozo_75, Obutu_77, OrangeOswald_75, Phaedrus_70, Phayeta_78, Philly_74, Phlyer_75, RagingRooster_74, Rita1961_76, RomaT_75, SlippinJimmy_78, SynergyX_75, Tydolla_71, Yahalom_73, Yinz_75,

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

- Halfpint_75,

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

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Summary by start number:

Start 13:

- Found in 1 of 45 (2.2%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Halfpint_75 (B3),

Start 14:

- Found in 45 of 45 (100.0%) of genes in pham
- Manual Annotations of this start: 42 of 42
- Called 97.8% of time when present
- Phage (with cluster) where this start called: Abinghost_75 (B3), Akoma_75 (B3), Athena_77 (B3), Audrey_75 (B3), Baloo_74 (B3), Ben11_75 (B3), Bernardo_76 (B3), Briakila_75 (B3), Casbah_75 (B3), ChaChing_75 (B3), Chandler_75 (B3), Compostia_74 (B3), Corofin_75 (B3), Daisy_74 (B3), Deenasa_75 (B3), Devonte_74 (B3), Gadget_76 (B3), Gervas_76 (B3), GlenHope_76 (B3), HarveySr_74 (B3), Heathcliff_75 (B3), Kamiyu_75 (B3), Kronus_75 (B3), LestyG_73 (B3), Marley1013_76 (B3), MmasiCarm_76 (B3), Mortcellus_75 (B3), Morty007_74 (B3), Neos5_75 (B3), Nozo_75 (B3), Obutu_77 (B3), OrangeOswald_75 (B3), Phaedrus_70 (B3), Phayeta_78 (B3), Philly_74 (B3), Phlyer_75 (B3), RagingRooster_74 (B3), Rita1961_76 (B3), RomaT_75 (B3), SlippinJimmy_78 (B3), SynergyX_75 (B3), Tydolla_71 (B3), Yahalom_73 (B3), Yinz_75 (B3),

Summary by clusters:

There is one cluster represented in this pham: B3

Info for manual annotations of cluster B3:

- Start number 14 was manually annotated 42 times for cluster B3.

Gene Information:

Gene: Abinghost_75 Start: 59353, Stop: 59505, Start Num: 14

Candidate Starts for Abinghost_75:

(8, 59173), (Start: 14 @59353 has 42 MA's), (15, 59398), (16, 59488),

Gene: Akoma_75 Start: 59393, Stop: 59545, Start Num: 14

Candidate Starts for Akoma_75:

(8, 59213), (Start: 14 @59393 has 42 MA's), (15, 59438), (16, 59528),

Gene: Athena_77 Start: 60128, Stop: 60280, Start Num: 14

Candidate Starts for Athena_77:

(8, 59948), (Start: 14 @60128 has 42 MA's), (15, 60173), (16, 60263),

Gene: Audrey_75 Start: 59382, Stop: 59534, Start Num: 14

Candidate Starts for Audrey_75:

(1, 58575), (2, 58581), (3, 58641), (4, 58731), (5, 58797), (6, 59028), (8, 59202), (Start: 14 @59382 has 42 MA's), (15, 59427), (16, 59517),

Gene: Baloo_74 Start: 59225, Stop: 59377, Start Num: 14

Candidate Starts for Baloo_74:

(8, 59045), (Start: 14 @59225 has 42 MA's), (15, 59270), (16, 59360),

Gene: Ben11_75 Start: 59609, Stop: 59761, Start Num: 14

Candidate Starts for Ben11_75:

(8, 59429), (Start: 14 @59609 has 42 MA's), (15, 59654), (16, 59744),

Gene: Bernardo_76 Start: 59584, Stop: 59736, Start Num: 14

Candidate Starts for Bernardo_76:

(1, 58774), (2, 58780), (3, 58840), (4, 58930), (5, 58996), (6, 59230), (8, 59404), (Start: 14 @59584 has 42 MA's), (15, 59629), (16, 59719),

Gene: Briakila_75 Start: 59592, Stop: 59744, Start Num: 14

Candidate Starts for Briakila_75:

(8, 59412), (Start: 14 @59592 has 42 MA's), (15, 59637), (16, 59727),

Gene: Casbah_75 Start: 59693, Stop: 59845, Start Num: 14

Candidate Starts for Casbah_75:

(3, 58961), (4, 59051), (5, 59117), (6, 59351), (Start: 14 @59693 has 42 MA's), (15, 59738), (16, 59828),

Gene: ChaChing_75 Start: 59410, Stop: 59562, Start Num: 14

Candidate Starts for ChaChing_75:

(8, 59230), (Start: 14 @59410 has 42 MA's), (15, 59455), (16, 59545),

Gene: Chandler_75 Start: 60169, Stop: 60321, Start Num: 14

Candidate Starts for Chandler_75:

(8, 59989), (Start: 14 @60169 has 42 MA's), (15, 60214), (16, 60304),

Gene: Compostia_74 Start: 59838, Stop: 59990, Start Num: 14

Candidate Starts for Compostia_74:

(8, 59658), (Start: 14 @59838 has 42 MA's), (15, 59883), (16, 59973),

Gene: Corofin_75 Start: 59416, Stop: 59568, Start Num: 14

Candidate Starts for Corofin_75:

(1, 58606), (2, 58612), (3, 58672), (4, 58762), (5, 58828), (6, 59062), (8, 59236), (Start: 14 @59416 has 42 MA's), (15, 59461), (16, 59551),

Gene: Daisy_74 Start: 58955, Stop: 59107, Start Num: 14

Candidate Starts for Daisy_74:

(8, 58775), (Start: 14 @58955 has 42 MA's), (15, 59000), (16, 59090),

Gene: Deenasa_75 Start: 60304, Stop: 60456, Start Num: 14

Candidate Starts for Deenasa_75:

(8, 60124), (Start: 14 @60304 has 42 MA's), (15, 60349), (16, 60439),

Gene: Devonte_74 Start: 59032, Stop: 59184, Start Num: 14

Candidate Starts for Devonte_74:

(8, 58852), (Start: 14 @59032 has 42 MA's), (15, 59077), (16, 59167),

Gene: Gadget_76 Start: 59767, Stop: 59919, Start Num: 14

Candidate Starts for Gadget_76:

(8, 59587), (Start: 14 @59767 has 42 MA's), (15, 59812), (16, 59902),

Gene: Gervas_76 Start: 59861, Stop: 60013, Start Num: 14

Candidate Starts for Gervas_76:

(8, 59681), (Start: 14 @59861 has 42 MA's), (15, 59906), (16, 59996),

Gene: GlenHope_76 Start: 59428, Stop: 59580, Start Num: 14

Candidate Starts for GlenHope_76:

(8, 59248), (Start: 14 @59428 has 42 MA's), (15, 59473), (16, 59563),

Gene: Halfpint_75 Start: 59116, Stop: 59322, Start Num: 13

Candidate Starts for Halfpint_75:

(9, 59008), (10, 59092), (11, 59098), (12, 59107), (13, 59116), (Start: 14 @59170 has 42 MA's), (15, 59215), (16, 59305),

Gene: HarveySr_74 Start: 58939, Stop: 59091, Start Num: 14

Candidate Starts for HarveySr_74:

(8, 58759), (Start: 14 @58939 has 42 MA's), (15, 58984), (16, 59074),

Gene: Heathcliff_75 Start: 59349, Stop: 59501, Start Num: 14

Candidate Starts for Heathcliff_75:

(8, 59169), (Start: 14 @59349 has 42 MA's), (15, 59394), (16, 59484),

Gene: Kamiyu_75 Start: 59352, Stop: 59504, Start Num: 14

Candidate Starts for Kamiyu_75:

(8, 59172), (Start: 14 @59352 has 42 MA's), (15, 59397), (16, 59487),

Gene: Kronus_75 Start: 60448, Stop: 60600, Start Num: 14

Candidate Starts for Kronus_75:

(8, 60268), (Start: 14 @60448 has 42 MA's), (15, 60493), (16, 60583),

Gene: LestyG_73 Start: 58922, Stop: 59074, Start Num: 14

Candidate Starts for LestyG_73:

(8, 58742), (Start: 14 @58922 has 42 MA's), (15, 58967), (16, 59057),

Gene: Marley1013_76 Start: 60300, Stop: 60452, Start Num: 14

Candidate Starts for Marley1013_76:

(8, 60120), (Start: 14 @60300 has 42 MA's), (15, 60345), (16, 60435),

Gene: MmasiCarm_76 Start: 59803, Stop: 59955, Start Num: 14

Candidate Starts for MmasiCarm_76:

(8, 59623), (Start: 14 @59803 has 42 MA's), (15, 59848), (16, 59938),

Gene: Mortcellus_75 Start: 60507, Stop: 60659, Start Num: 14

Candidate Starts for Mortcellus_75:

(8, 60327), (Start: 14 @60507 has 42 MA's), (15, 60552), (16, 60642),

Gene: Morty007_74 Start: 60300, Stop: 60452, Start Num: 14

Candidate Starts for Morty007_74:

(8, 60120), (Start: 14 @60300 has 42 MA's), (15, 60345), (16, 60435),

Gene: Neos5_75 Start: 59762, Stop: 59914, Start Num: 14

Candidate Starts for Neos5_75:

(8, 59582), (Start: 14 @59762 has 42 MA's), (15, 59807), (16, 59897),

Gene: Nozo_75 Start: 60159, Stop: 60311, Start Num: 14

Candidate Starts for Nozo_75:

(8, 59979), (Start: 14 @60159 has 42 MA's), (15, 60204), (16, 60294),

Gene: Obutu_77 Start: 59974, Stop: 60126, Start Num: 14

Candidate Starts for Obutu_77:

(6, 59620), (8, 59794), (Start: 14 @59974 has 42 MA's), (15, 60019), (16, 60109),

Gene: OrangeOswald_75 Start: 59393, Stop: 59545, Start Num: 14

Candidate Starts for OrangeOswald_75:

(1, 58583), (2, 58589), (3, 58649), (4, 58739), (5, 58805), (6, 59039), (8, 59213), (Start: 14 @59393 has 42 MA's), (15, 59438), (16, 59528),

Gene: Phaedrus_70 Start: 58822, Stop: 58974, Start Num: 14

Candidate Starts for Phaedrus_70:

(8, 58642), (Start: 14 @58822 has 42 MA's), (15, 58867), (16, 58957),

Gene: Phayeta_78 Start: 59879, Stop: 60031, Start Num: 14

Candidate Starts for Phayeta_78:

(1, 59069), (2, 59075), (3, 59135), (4, 59225), (5, 59291), (6, 59525), (8, 59699), (Start: 14 @59879 has 42 MA's), (15, 59924), (16, 60014),

Gene: Philly_74 Start: 59254, Stop: 59406, Start Num: 14

Candidate Starts for Philly_74:

(8, 59074), (Start: 14 @59254 has 42 MA's), (15, 59299), (16, 59389),

Gene: Phlyer_75 Start: 60105, Stop: 60257, Start Num: 14

Candidate Starts for Phlyer_75:

(8, 59925), (Start: 14 @60105 has 42 MA's), (15, 60150), (16, 60240),

Gene: RagingRooster_74 Start: 59085, Stop: 59237, Start Num: 14

Candidate Starts for RagingRooster_74:

(8, 58905), (Start: 14 @59085 has 42 MA's), (15, 59130), (16, 59220),

Gene: Rita1961_76 Start: 59751, Stop: 59903, Start Num: 14

Candidate Starts for Rita1961_76:

(1, 58941), (2, 58947), (3, 59007), (4, 59097), (5, 59163), (6, 59397), (8, 59571), (Start: 14 @59751 has 42 MA's), (15, 59796), (16, 59886),

Gene: RomaT_75 Start: 59959, Stop: 60111, Start Num: 14

Candidate Starts for RomaT_75:

(8, 59779), (Start: 14 @59959 has 42 MA's), (15, 60004), (16, 60094),

Gene: SlippinJimmy_78 Start: 60781, Stop: 60933, Start Num: 14

Candidate Starts for SlippinJimmy_78:

(8, 60601), (Start: 14 @60781 has 42 MA's), (15, 60826), (16, 60916),

Gene: SynergyX_75 Start: 59396, Stop: 59548, Start Num: 14

Candidate Starts for SynergyX_75:

(8, 59216), (Start: 14 @59396 has 42 MA's), (15, 59441), (16, 59531),

Gene: Tydolla_71 Start: 59387, Stop: 59539, Start Num: 14

Candidate Starts for Tydolla_71:

(3, 58637), (4, 58727), (5, 58793), (6, 59027), (7, 59189), (8, 59207), (Start: 14 @59387 has 42 MA's),
(15, 59432), (16, 59522),

Gene: Yahalom_73 Start: 59202, Stop: 59354, Start Num: 14

Candidate Starts for Yahalom_73:

(8, 59022), (Start: 14 @59202 has 42 MA's), (15, 59247), (16, 59337),

Gene: Yinz_75 Start: 59267, Stop: 59419, Start Num: 14

Candidate Starts for Yinz_75:

(8, 59087), (Start: 14 @59267 has 42 MA's), (15, 59312), (16, 59402),