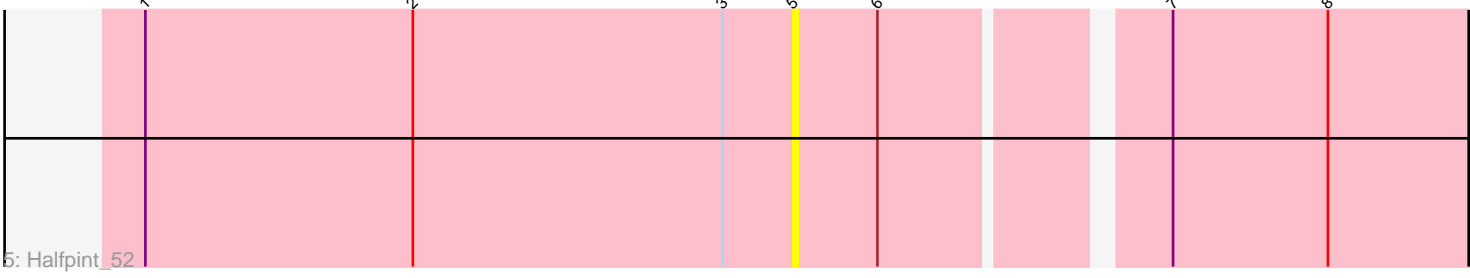
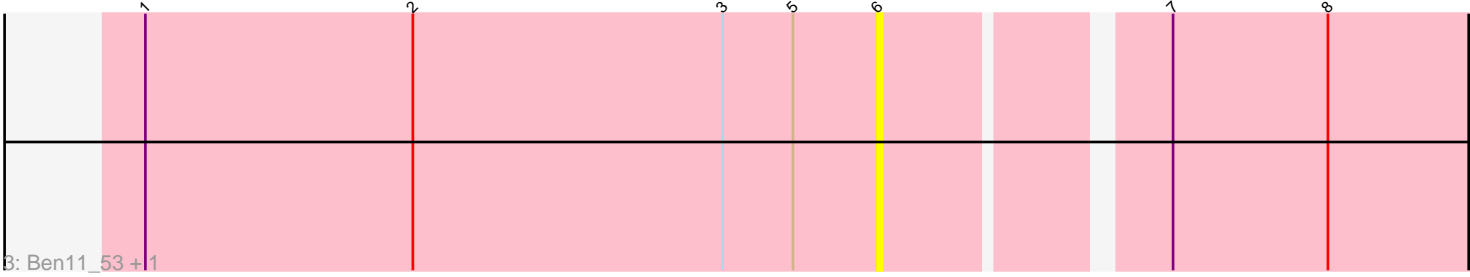
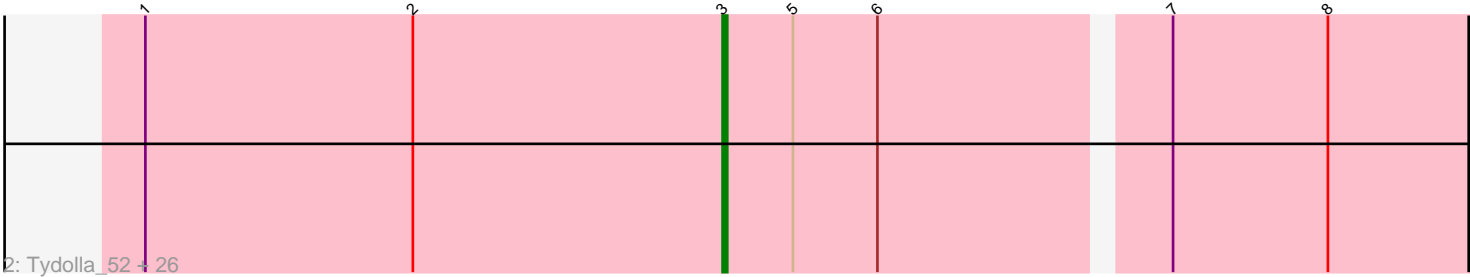
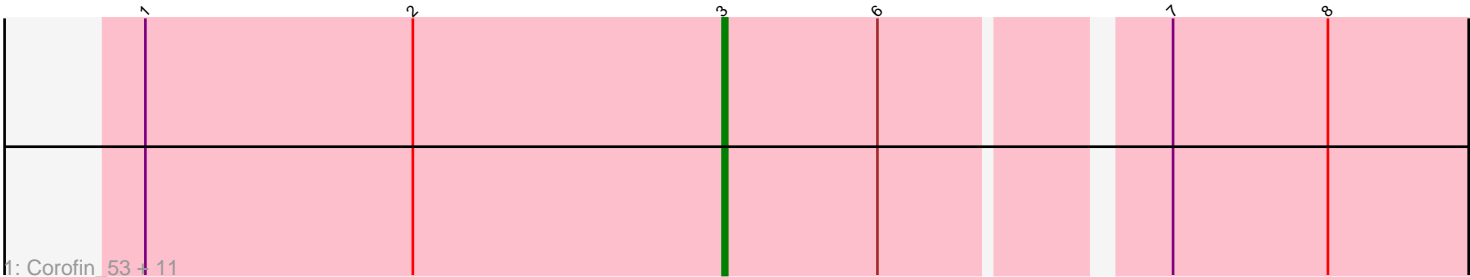


Pham 85921



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 85921 Report

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

Pham number 85921 has 43 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Corofin_53, OrangeOswald_53, Athena_55, Akoma_53, Abinghost_53, Yahalom_52, Phlyer_53, Nozo_53, Heathcliff_53, Yinz_53, GlenHope_54, SynergyX_53
- Track 2 : Tydolla_52, Neos5_54, Baloo_53, LestyG_52, Daisy_53, Gervas_54, Gadget_54, Philly_52, HarveySr_52, Deenasa_52, Audrey_53, Casbah_53, Rita1961_54, Devonte_52, Marley1013_54, Kronus_53, Jackstina_49, MmasiCarm_54, RomaT_53, Morty007_53, Mortcellus_53, Phayeta_55, Chandler_53, Phaedruss_50, RagingRooster_52, ChaChing_53, Briakila_53
- Track 3 : Ben11_53, SlippinJimmy_55
- Track 4 : Kamiyu_53
- Track 5 : Halfpint_52

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

Genes that call this "Most Annotated" start:

- Abinghost_53, Akoma_53, Athena_55, Audrey_53, Baloo_53, Briakila_53, Casbah_53, ChaChing_53, Chandler_53, Corofin_53, Daisy_53, Deenasa_52, Devonte_52, Gadget_54, Gervas_54, GlenHope_54, HarveySr_52, Heathcliff_53, Jackstina_49, Kronus_53, LestyG_52, Marley1013_54, MmasiCarm_54, Mortcellus_53, Morty007_53, Neos5_54, Nozo_53, OrangeOswald_53, Phaedruss_50, Phayeta_55, Philly_52, Phlyer_53, RagingRooster_52, Rita1961_54, RomaT_53, SynergyX_53, Tydolla_52, Yahalom_52, Yinz_53,

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

- Ben11_53, Halfpint_52, SlippinJimmy_55,

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

- Kamiyu_53,

Summary by start number:

Start 3:

- Found in 42 of 43 (97.7%) of genes in pham
- Manual Annotations of this start: 39 of 40
- Called 92.9% of time when present
- Phage (with cluster) where this start called: Abinghost_53 (B3), Akoma_53 (B3), Athena_55 (B3), Audrey_53 (B3), Baloo_53 (B3), Briakila_53 (B3), Casbah_53 (B3), ChaChing_53 (B3), Chandler_53 (B3), Corofin_53 (B3), Daisy_53 (B3), Deenasa_52 (B3), Devonte_52 (B3), Gadget_54 (B3), Gervas_54 (B3), GlenHope_54 (B3), HarveySr_52 (B3), Heathcliff_53 (B3), Jackstina_49 (B3), Kronus_53 (B3), LestyG_52 (B3), Marley1013_54 (B3), MmasiCarm_54 (B3), Mortcellus_53 (B3), Morty007_53 (B3), Neos5_54 (B3), Nozo_53 (B3), OrangeOswald_53 (B3), Phaedrus_50 (B3), Phayeta_55 (B3), Philly_52 (B3), Phlyer_53 (B3), RagingRooster_52 (B3), Rita1961_54 (B3), RomaT_53 (B3), SynergyX_53 (B3), Tydolla_52 (B3), Yahalom_52 (B3), Yinz_53 (B3),

Start 4:

- Found in 1 of 43 (2.3%) of genes in pham
- Manual Annotations of this start: 1 of 40
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kamiyu_53 (B3),

Start 5:

- Found in 30 of 43 (69.8%) of genes in pham
- No Manual Annotations of this start.
- Called 3.3% of time when present
- Phage (with cluster) where this start called: Halfpint_52 (B3),

Start 6:

- Found in 43 of 43 (100.0%) of genes in pham
- No Manual Annotations of this start.
- Called 4.7% of time when present
- Phage (with cluster) where this start called: Ben11_53 (B3), SlippinJimmy_55 (B3),

Summary by clusters:

There is one cluster represented in this pham: B3

Info for manual annotations of cluster B3:

- Start number 3 was manually annotated 39 times for cluster B3.
- Start number 4 was manually annotated 1 time for cluster B3.

Gene Information:

Gene: Abinghost_53 Start: 47604, Stop: 47242, Start Num: 3

Candidate Starts for Abinghost_53:

(1, 47727), (2, 47670), (Start: 3 @47604 has 39 MA's), (6, 47571), (7, 47517), (8, 47484),

Gene: Akoma_53 Start: 47619, Stop: 47257, Start Num: 3

Candidate Starts for Akoma_53:

(1, 47742), (2, 47685), (Start: 3 @47619 has 39 MA's), (6, 47586), (7, 47532), (8, 47499),

Gene: Athena_55 Start: 48362, Stop: 48000, Start Num: 3

Candidate Starts for Athena_55:

(1, 48485), (2, 48428), (Start: 3 @48362 has 39 MA's), (6, 48329), (7, 48275), (8, 48242),

Gene: Audrey_53 Start: 47610, Stop: 47248, Start Num: 3

Candidate Starts for Audrey_53:

(1, 47733), (2, 47676), (Start: 3 @47610 has 39 MA's), (5, 47595), (6, 47577), (7, 47523), (8, 47490),

Gene: Baloo_53 Start: 47613, Stop: 47251, Start Num: 3

Candidate Starts for Baloo_53:

(1, 47736), (2, 47679), (Start: 3 @47613 has 39 MA's), (5, 47598), (6, 47580), (7, 47526), (8, 47493),

Gene: Ben11_53 Start: 47862, Stop: 47533, Start Num: 6

Candidate Starts for Ben11_53:

(1, 48018), (2, 47961), (Start: 3 @47895 has 39 MA's), (5, 47880), (6, 47862), (7, 47808), (8, 47775),

Gene: Briakila_53 Start: 48069, Stop: 47704, Start Num: 3

Candidate Starts for Briakila_53:

(1, 48192), (2, 48135), (Start: 3 @48069 has 39 MA's), (5, 48054), (6, 48036), (7, 47979), (8, 47946),

Gene: Casbah_53 Start: 47928, Stop: 47563, Start Num: 3

Candidate Starts for Casbah_53:

(1, 48051), (2, 47994), (Start: 3 @47928 has 39 MA's), (5, 47913), (6, 47895), (7, 47838), (8, 47805),

Gene: ChaChing_53 Start: 47627, Stop: 47265, Start Num: 3

Candidate Starts for ChaChing_53:

(1, 47750), (2, 47693), (Start: 3 @47627 has 39 MA's), (5, 47612), (6, 47594), (7, 47540), (8, 47507),

Gene: Chandler_53 Start: 48398, Stop: 48036, Start Num: 3

Candidate Starts for Chandler_53:

(1, 48521), (2, 48464), (Start: 3 @48398 has 39 MA's), (5, 48383), (6, 48365), (7, 48311), (8, 48278),

Gene: Corofin_53 Start: 47641, Stop: 47279, Start Num: 3

Candidate Starts for Corofin_53:

(1, 47764), (2, 47707), (Start: 3 @47641 has 39 MA's), (6, 47608), (7, 47554), (8, 47521),

Gene: Daisy_53 Start: 47639, Stop: 47277, Start Num: 3

Candidate Starts for Daisy_53:

(1, 47762), (2, 47705), (Start: 3 @47639 has 39 MA's), (5, 47624), (6, 47606), (7, 47552), (8, 47519),

Gene: Deenasa_52 Start: 48058, Stop: 47696, Start Num: 3

Candidate Starts for Deenasa_52:

(1, 48181), (2, 48124), (Start: 3 @48058 has 39 MA's), (5, 48043), (6, 48025), (7, 47971), (8, 47938),

Gene: Devonte_52 Start: 47286, Stop: 46924, Start Num: 3

Candidate Starts for Devonte_52:

(1, 47409), (2, 47352), (Start: 3 @47286 has 39 MA's), (5, 47271), (6, 47253), (7, 47199), (8, 47166),

Gene: Gadget_54 Start: 47946, Stop: 47584, Start Num: 3

Candidate Starts for Gadget_54:

(1, 48069), (2, 48012), (Start: 3 @47946 has 39 MA's), (5, 47931), (6, 47913), (7, 47859), (8, 47826),

Gene: Gervas_54 Start: 48054, Stop: 47692, Start Num: 3

Candidate Starts for Gervas_54:

(1, 48177), (2, 48120), (Start: 3 @48054 has 39 MA's), (5, 48039), (6, 48021), (7, 47967), (8, 47934),

Gene: GlenHope_54 Start: 47609, Stop: 47247, Start Num: 3

Candidate Starts for GlenHope_54:

(1, 47732), (2, 47675), (Start: 3 @47609 has 39 MA's), (6, 47576), (7, 47522), (8, 47489),

Gene: Halfpint_52 Start: 47415, Stop: 47068, Start Num: 5

Candidate Starts for Halfpint_52:

(1, 47553), (2, 47496), (Start: 3 @47430 has 39 MA's), (5, 47415), (6, 47397), (7, 47343), (8, 47310),

Gene: HarveySr_52 Start: 47282, Stop: 46920, Start Num: 3

Candidate Starts for HarveySr_52:

(1, 47405), (2, 47348), (Start: 3 @47282 has 39 MA's), (5, 47267), (6, 47249), (7, 47195), (8, 47162),

Gene: Heathcliff_53 Start: 47576, Stop: 47214, Start Num: 3

Candidate Starts for Heathcliff_53:

(1, 47699), (2, 47642), (Start: 3 @47576 has 39 MA's), (6, 47543), (7, 47489), (8, 47456),

Gene: Jackstina_49 Start: 47535, Stop: 47173, Start Num: 3

Candidate Starts for Jackstina_49:

(1, 47658), (2, 47601), (Start: 3 @47535 has 39 MA's), (5, 47520), (6, 47502), (7, 47448), (8, 47415),

Gene: Kamiyu_53 Start: 47575, Stop: 47225, Start Num: 4

Candidate Starts for Kamiyu_53:

(Start: 4 @47575 has 1 MA's), (6, 47554), (7, 47500), (8, 47467),

Gene: Kronus_53 Start: 48663, Stop: 48295, Start Num: 3

Candidate Starts for Kronus_53:

(1, 48786), (2, 48729), (Start: 3 @48663 has 39 MA's), (5, 48648), (6, 48630), (7, 48570), (8, 48537),

Gene: LestyG_52 Start: 47299, Stop: 46937, Start Num: 3

Candidate Starts for LestyG_52:

(1, 47422), (2, 47365), (Start: 3 @47299 has 39 MA's), (5, 47284), (6, 47266), (7, 47212), (8, 47179),

Gene: Marley1013_54 Start: 48548, Stop: 48186, Start Num: 3

Candidate Starts for Marley1013_54:

(1, 48671), (2, 48614), (Start: 3 @48548 has 39 MA's), (5, 48533), (6, 48515), (7, 48461), (8, 48428),

Gene: MmasiCarm_54 Start: 48104, Stop: 47742, Start Num: 3

Candidate Starts for MmasiCarm_54:

(1, 48227), (2, 48170), (Start: 3 @48104 has 39 MA's), (5, 48089), (6, 48071), (7, 48017), (8, 47984),

Gene: Mortcellus_53 Start: 48711, Stop: 48349, Start Num: 3

Candidate Starts for Mortcellus_53:

(1, 48834), (2, 48777), (Start: 3 @48711 has 39 MA's), (5, 48696), (6, 48678), (7, 48624), (8, 48591),

Gene: Morty007_53 Start: 48548, Stop: 48186, Start Num: 3

Candidate Starts for Morty007_53:

(1, 48671), (2, 48614), (Start: 3 @48548 has 39 MA's), (5, 48533), (6, 48515), (7, 48461), (8, 48428),

Gene: Neos5_54 Start: 48412, Stop: 48047, Start Num: 3

Candidate Starts for Neos5_54:

(1, 48535), (2, 48478), (Start: 3 @48412 has 39 MA's), (5, 48397), (6, 48379), (7, 48322), (8, 48289),

Gene: Nozo_53 Start: 48377, Stop: 48015, Start Num: 3

Candidate Starts for Nozo_53:

(1, 48500), (2, 48443), (Start: 3 @48377 has 39 MA's), (6, 48344), (7, 48290), (8, 48257),

Gene: OrangeOswald_53 Start: 47618, Stop: 47256, Start Num: 3

Candidate Starts for OrangeOswald_53:

(1, 47741), (2, 47684), (Start: 3 @47618 has 39 MA's), (6, 47585), (7, 47531), (8, 47498),

Gene: Phaedruss_50 Start: 47537, Stop: 47175, Start Num: 3

Candidate Starts for Phaedruss_50:

(1, 47660), (2, 47603), (Start: 3 @47537 has 39 MA's), (5, 47522), (6, 47504), (7, 47450), (8, 47417),

Gene: Phayeta_55 Start: 47941, Stop: 47579, Start Num: 3

Candidate Starts for Phayeta_55:

(1, 48064), (2, 48007), (Start: 3 @47941 has 39 MA's), (5, 47926), (6, 47908), (7, 47854), (8, 47821),

Gene: Philly_52 Start: 47468, Stop: 47103, Start Num: 3

Candidate Starts for Philly_52:

(1, 47591), (2, 47534), (Start: 3 @47468 has 39 MA's), (5, 47453), (6, 47435), (7, 47378), (8, 47345),

Gene: Phlyer_53 Start: 48353, Stop: 47991, Start Num: 3

Candidate Starts for Phlyer_53:

(1, 48476), (2, 48419), (Start: 3 @48353 has 39 MA's), (6, 48320), (7, 48266), (8, 48233),

Gene: RagingRooster_52 Start: 47299, Stop: 46937, Start Num: 3

Candidate Starts for RagingRooster_52:

(1, 47422), (2, 47365), (Start: 3 @47299 has 39 MA's), (5, 47284), (6, 47266), (7, 47212), (8, 47179),

Gene: Rita1961_54 Start: 48060, Stop: 47698, Start Num: 3

Candidate Starts for Rita1961_54:

(1, 48183), (2, 48126), (Start: 3 @48060 has 39 MA's), (5, 48045), (6, 48027), (7, 47973), (8, 47940),

Gene: RomaT_53 Start: 48208, Stop: 47846, Start Num: 3

Candidate Starts for RomaT_53:

(1, 48331), (2, 48274), (Start: 3 @48208 has 39 MA's), (5, 48193), (6, 48175), (7, 48121), (8, 48088),

Gene: SlippinJimmy_55 Start: 48809, Stop: 48480, Start Num: 6

Candidate Starts for SlippinJimmy_55:

(1, 48965), (2, 48908), (Start: 3 @48842 has 39 MA's), (5, 48827), (6, 48809), (7, 48755), (8, 48722),

Gene: SynergyX_53 Start: 47615, Stop: 47253, Start Num: 3

Candidate Starts for SynergyX_53:

(1, 47738), (2, 47681), (Start: 3 @47615 has 39 MA's), (6, 47582), (7, 47528), (8, 47495),

Gene: Tydolla_52 Start: 48352, Stop: 47987, Start Num: 3

Candidate Starts for Tydolla_52:

(1, 48475), (2, 48418), (Start: 3 @48352 has 39 MA's), (5, 48337), (6, 48319), (7, 48262), (8, 48229),

Gene: Yahalom_52 Start: 47625, Stop: 47263, Start Num: 3

Candidate Starts for Yahalom_52:

(1, 47748), (2, 47691), (Start: 3 @47625 has 39 MA's), (6, 47592), (7, 47538), (8, 47505),

Gene: Yinz_53 Start: 47471, Stop: 47109, Start Num: 3

Candidate Starts for Yinz_53:

(1, 47594), (2, 47537), (Start: 3 @47471 has 39 MA's), (6, 47438), (7, 47384), (8, 47351),