



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 85878 Report

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

Pham number 85878 has 45 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Phayeta_72, Neos5_69, Athena_71, Gervas_70, Gadget_70, Nozo_69, SynergyX_69, Yinz_69, Chandler_69, Phaedruss_64, Briakila_69, RagingRooster_68, Compostia_68, ChaChing_69, Ben11_69, Baloo_68, OrangeOswald_69, Akoma_69, Jackstina_65, RomaT_69, Mortcellus_69, Deenasa_69, Obutu_71, Abinghost_69, Philly_68, Daisy_68, Bernardo_70, Pipefish_72, GlenHope_70, Rita1961_70, Kamiyu_69, MmasiCarm_70, Casbah_69, Morty007_68, LestyG_67, Halfpint_69, Phlyer_69, Marley1013_70, Yahalom_67
- Track 2 : Heathcliff_69, SlippinJimmy_72, Audrey_69, Corofin_69, Devonte_68, Kronus_69

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 42 of the 42 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abinghost_69, Akoma_69, Athena_71, Audrey_69, Baloo_68, Ben11_69, Bernardo_70, Briakila_69, Casbah_69, ChaChing_69, Chandler_69, Compostia_68, Corofin_69, Daisy_68, Deenasa_69, Devonte_68, Gadget_70, Gervas_70, GlenHope_70, Halfpint_69, Heathcliff_69, Jackstina_65, Kamiyu_69, Kronus_69, LestyG_67, Marley1013_70, MmasiCarm_70, Mortcellus_69, Morty007_68, Neos5_69, Nozo_69, Obutu_71, OrangeOswald_69, Phaedruss_64, Phayeta_72, Philly_68, Phlyer_69, Pipefish_72, RagingRooster_68, Rita1961_70, RomaT_69, SlippinJimmy_72, SynergyX_69, Yahalom_67, Yinz_69,

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 45 of 45 (100.0%) of genes in pham
- Manual Annotations of this start: 42 of 42
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abinghost_69 (B3), Akoma_69 (B3), Athena_71 (B3), Audrey_69 (B3), Baloo_68 (B3), Ben11_69 (B3), Bernardo_70 (B3), Briakila_69 (B3), Casbah_69 (B3), ChaChing_69 (B3), Chandler_69 (B3), Compostia_68 (B3), Corofin_69 (B3), Daisy_68 (B3), Deenasa_69 (B3), Devonte_68 (B3), Gadget_70 (B3), Gervas_70 (B3), GlenHope_70 (B3), Halfpint_69 (B3), Heathcliff_69 (B3), Jackstina_65 (B3), Kamiyu_69 (B3), Kronus_69 (B3), LestyG_67 (B3), Marley1013_70 (B3), MmasiCarm_70 (B3), Mortcellus_69 (B3), Morty007_68 (B3), Neos5_69 (B3), Nozo_69 (B3), Obutu_71 (B3), OrangeOswald_69 (B3), Phaedrus_64 (B3), Phayeta_72 (B3), Philly_68 (B3), Phlyer_69 (B3), Pipefish_72 (B3), RagingRooster_68 (B3), Rita1961_70 (B3), RomaT_69 (B3), SlippinJimmy_72 (B3), SynergyX_69 (B3), Yahalom_67 (B3), Yinz_69 (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 42 times for cluster B3.

Gene Information:

Gene: Abinghost_69 Start: 57491, Stop: 57721, Start Num: 1

Candidate Starts for Abinghost_69:

(Start: 1 @57491 has 42 MA's), (2, 57533), (3, 57569), (4, 57590), (5, 57641), (6, 57677),

Gene: Akoma_69 Start: 57531, Stop: 57761, Start Num: 1

Candidate Starts for Akoma_69:

(Start: 1 @57531 has 42 MA's), (2, 57573), (3, 57609), (4, 57630), (5, 57681), (6, 57717),

Gene: Athena_71 Start: 58266, Stop: 58496, Start Num: 1

Candidate Starts for Athena_71:

(Start: 1 @58266 has 42 MA's), (2, 58308), (3, 58344), (4, 58365), (5, 58416), (6, 58452),

Gene: Audrey_69 Start: 57530, Stop: 57760, Start Num: 1

Candidate Starts for Audrey_69:

(Start: 1 @57530 has 42 MA's), (2, 57572), (3, 57608), (5, 57680), (6, 57716),

Gene: Baloo_68 Start: 57363, Stop: 57593, Start Num: 1

Candidate Starts for Baloo_68:

(Start: 1 @57363 has 42 MA's), (2, 57405), (3, 57441), (4, 57462), (5, 57513), (6, 57549),

Gene: Ben11_69 Start: 57748, Stop: 57978, Start Num: 1

Candidate Starts for Ben11_69:

(Start: 1 @57748 has 42 MA's), (2, 57790), (3, 57826), (4, 57847), (5, 57898), (6, 57934),

Gene: Bernardo_70 Start: 57729, Stop: 57959, Start Num: 1

Candidate Starts for Bernardo_70:

(Start: 1 @57729 has 42 MA's), (2, 57771), (3, 57807), (4, 57828), (5, 57879), (6, 57915),

Gene: Briakila_69 Start: 57729, Stop: 57959, Start Num: 1

Candidate Starts for Briakila_69:

(Start: 1 @57729 has 42 MA's), (2, 57771), (3, 57807), (4, 57828), (5, 57879), (6, 57915),

Gene: Casbah_69 Start: 57850, Stop: 58080, Start Num: 1

Candidate Starts for Casbah_69:

(Start: 1 @57850 has 42 MA's), (2, 57892), (3, 57928), (4, 57949), (5, 58000), (6, 58036),

Gene: ChaChing_69 Start: 57548, Stop: 57778, Start Num: 1

Candidate Starts for ChaChing_69:

(Start: 1 @57548 has 42 MA's), (2, 57590), (3, 57626), (4, 57647), (5, 57698), (6, 57734),

Gene: Chandler_69 Start: 58310, Stop: 58540, Start Num: 1

Candidate Starts for Chandler_69:

(Start: 1 @58310 has 42 MA's), (2, 58352), (3, 58388), (4, 58409), (5, 58460), (6, 58496),

Gene: Compostia_68 Start: 57931, Stop: 58161, Start Num: 1

Candidate Starts for Compostia_68:

(Start: 1 @57931 has 42 MA's), (2, 57973), (3, 58009), (4, 58030), (5, 58081), (6, 58117),

Gene: Corofin_69 Start: 57561, Stop: 57791, Start Num: 1

Candidate Starts for Corofin_69:

(Start: 1 @57561 has 42 MA's), (2, 57603), (3, 57639), (5, 57711), (6, 57747),

Gene: Daisy_68 Start: 57094, Stop: 57324, Start Num: 1

Candidate Starts for Daisy_68:

(Start: 1 @57094 has 42 MA's), (2, 57136), (3, 57172), (4, 57193), (5, 57244), (6, 57280),

Gene: Deenasa_69 Start: 58397, Stop: 58627, Start Num: 1

Candidate Starts for Deenasa_69:

(Start: 1 @58397 has 42 MA's), (2, 58439), (3, 58475), (4, 58496), (5, 58547), (6, 58583),

Gene: Devonte_68 Start: 57173, Stop: 57403, Start Num: 1

Candidate Starts for Devonte_68:

(Start: 1 @57173 has 42 MA's), (2, 57215), (3, 57251), (5, 57323), (6, 57359),

Gene: Gadget_70 Start: 57861, Stop: 58091, Start Num: 1

Candidate Starts for Gadget_70:

(Start: 1 @57861 has 42 MA's), (2, 57903), (3, 57939), (4, 57960), (5, 58011), (6, 58047),

Gene: Gervas_70 Start: 57955, Stop: 58185, Start Num: 1

Candidate Starts for Gervas_70:

(Start: 1 @57955 has 42 MA's), (2, 57997), (3, 58033), (4, 58054), (5, 58105), (6, 58141),

Gene: GlenHope_70 Start: 57521, Stop: 57751, Start Num: 1

Candidate Starts for GlenHope_70:

(Start: 1 @57521 has 42 MA's), (2, 57563), (3, 57599), (4, 57620), (5, 57671), (6, 57707),

Gene: Halfpint_69 Start: 57272, Stop: 57502, Start Num: 1

Candidate Starts for Halfpint_69:

(Start: 1 @57272 has 42 MA's), (2, 57314), (3, 57350), (4, 57371), (5, 57422), (6, 57458),

Gene: Heathcliff_69 Start: 57488, Stop: 57718, Start Num: 1

Candidate Starts for Heathcliff_69:

(Start: 1 @57488 has 42 MA's), (2, 57530), (3, 57566), (5, 57638), (6, 57674),

Gene: Jackstina_65 Start: 57413, Stop: 57643, Start Num: 1

Candidate Starts for Jackstina_65:

(Start: 1 @57413 has 42 MA's), (2, 57455), (3, 57491), (4, 57512), (5, 57563), (6, 57599),

Gene: Kamiyu_69 Start: 57490, Stop: 57720, Start Num: 1

Candidate Starts for Kamiyu_69:

(Start: 1 @57490 has 42 MA's), (2, 57532), (3, 57568), (4, 57589), (5, 57640), (6, 57676),

Gene: Kronus_69 Start: 58586, Stop: 58816, Start Num: 1

Candidate Starts for Kronus_69:

(Start: 1 @58586 has 42 MA's), (2, 58628), (3, 58664), (5, 58736), (6, 58772),

Gene: LestyG_67 Start: 57016, Stop: 57246, Start Num: 1

Candidate Starts for LestyG_67:

(Start: 1 @57016 has 42 MA's), (2, 57058), (3, 57094), (4, 57115), (5, 57166), (6, 57202),

Gene: Marley1013_70 Start: 58438, Stop: 58668, Start Num: 1

Candidate Starts for Marley1013_70:

(Start: 1 @58438 has 42 MA's), (2, 58480), (3, 58516), (4, 58537), (5, 58588), (6, 58624),

Gene: MmasiCarm_70 Start: 57941, Stop: 58171, Start Num: 1

Candidate Starts for MmasiCarm_70:

(Start: 1 @57941 has 42 MA's), (2, 57983), (3, 58019), (4, 58040), (5, 58091), (6, 58127),

Gene: Mortcellus_69 Start: 58603, Stop: 58833, Start Num: 1

Candidate Starts for Mortcellus_69:

(Start: 1 @58603 has 42 MA's), (2, 58645), (3, 58681), (4, 58702), (5, 58753), (6, 58789),

Gene: Morty007_68 Start: 58438, Stop: 58668, Start Num: 1

Candidate Starts for Morty007_68:

(Start: 1 @58438 has 42 MA's), (2, 58480), (3, 58516), (4, 58537), (5, 58588), (6, 58624),

Gene: Neos5_69 Start: 57900, Stop: 58130, Start Num: 1

Candidate Starts for Neos5_69:

(Start: 1 @57900 has 42 MA's), (2, 57942), (3, 57978), (4, 57999), (5, 58050), (6, 58086),

Gene: Nozo_69 Start: 58297, Stop: 58527, Start Num: 1

Candidate Starts for Nozo_69:

(Start: 1 @58297 has 42 MA's), (2, 58339), (3, 58375), (4, 58396), (5, 58447), (6, 58483),

Gene: Obutu_71 Start: 58120, Stop: 58350, Start Num: 1

Candidate Starts for Obutu_71:

(Start: 1 @58120 has 42 MA's), (2, 58162), (3, 58198), (4, 58219), (5, 58270), (6, 58306),

Gene: OrangeOswald_69 Start: 57538, Stop: 57768, Start Num: 1

Candidate Starts for OrangeOswald_69:

(Start: 1 @57538 has 42 MA's), (2, 57580), (3, 57616), (4, 57637), (5, 57688), (6, 57724),

Gene: Phaedrus_64 Start: 56963, Stop: 57193, Start Num: 1

Candidate Starts for Phaedruss_64:

(Start: 1 @56963 has 42 MA's), (2, 57005), (3, 57041), (4, 57062), (5, 57113), (6, 57149),

Gene: Phayeta_72 Start: 58024, Stop: 58254, Start Num: 1

Candidate Starts for Phayeta_72:

(Start: 1 @58024 has 42 MA's), (2, 58066), (3, 58102), (4, 58123), (5, 58174), (6, 58210),

Gene: Philly_68 Start: 57350, Stop: 57580, Start Num: 1

Candidate Starts for Philly_68:

(Start: 1 @57350 has 42 MA's), (2, 57392), (3, 57428), (4, 57449), (5, 57500), (6, 57536),

Gene: Phlyer_69 Start: 58246, Stop: 58476, Start Num: 1

Candidate Starts for Phlyer_69:

(Start: 1 @58246 has 42 MA's), (2, 58288), (3, 58324), (4, 58345), (5, 58396), (6, 58432),

Gene: Pipefish_72 Start: 58657, Stop: 58887, Start Num: 1

Candidate Starts for Pipefish_72:

(Start: 1 @58657 has 42 MA's), (2, 58699), (3, 58735), (4, 58756), (5, 58807), (6, 58843),

Gene: RagingRooster_68 Start: 57178, Stop: 57408, Start Num: 1

Candidate Starts for RagingRooster_68:

(Start: 1 @57178 has 42 MA's), (2, 57220), (3, 57256), (4, 57277), (5, 57328), (6, 57364),

Gene: Rita1961_70 Start: 57896, Stop: 58126, Start Num: 1

Candidate Starts for Rita1961_70:

(Start: 1 @57896 has 42 MA's), (2, 57938), (3, 57974), (4, 57995), (5, 58046), (6, 58082),

Gene: RomaT_69 Start: 58097, Stop: 58327, Start Num: 1

Candidate Starts for RomaT_69:

(Start: 1 @58097 has 42 MA's), (2, 58139), (3, 58175), (4, 58196), (5, 58247), (6, 58283),

Gene: SlippinJimmy_72 Start: 58921, Stop: 59151, Start Num: 1

Candidate Starts for SlippinJimmy_72:

(Start: 1 @58921 has 42 MA's), (2, 58963), (3, 58999), (5, 59071), (6, 59107),

Gene: SynergyX_69 Start: 57535, Stop: 57765, Start Num: 1

Candidate Starts for SynergyX_69:

(Start: 1 @57535 has 42 MA's), (2, 57577), (3, 57613), (4, 57634), (5, 57685), (6, 57721),

Gene: Yahalom_67 Start: 57340, Stop: 57570, Start Num: 1

Candidate Starts for Yahalom_67:

(Start: 1 @57340 has 42 MA's), (2, 57382), (3, 57418), (4, 57439), (5, 57490), (6, 57526),

Gene: Yinz_69 Start: 57405, Stop: 57635, Start Num: 1

Candidate Starts for Yinz_69:

(Start: 1 @57405 has 42 MA's), (2, 57447), (3, 57483), (4, 57504), (5, 57555), (6, 57591),