



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 86056 Report

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

Pham number 86056 has 37 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Nozo_63, Obutu_64, MmasiCarm_64, Neos5_62, Heathcliff_63, Jackstina_59, Bernardo_64, Chandler_63, Akoma_63, GlenHope_64, SynergyX_63, RagingRooster_62, Mortcellus_63, ChaChing_63, Ben11_63, Athena_65, Marley1013_63, Tydolla_60, OrangeOswald_63, Corofin_63, LestyG_61, Baloo_62, Daisy_62, Gervas_64, Deenasa_63, RomaT_63, HarveySr_62, Abinghost_63, Philly_62, Devonte_62, Phlyer_63, Audrey_63, Kamiyu_63, Kronus_63, Yahalom_61, Rita1961_64, SlippinJimmy_65

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 35 of the 35 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abinghost_63, Akoma_63, Athena_65, Audrey_63, Baloo_62, Ben11_63, Bernardo_64, ChaChing_63, Chandler_63, Corofin_63, Daisy_62, Deenasa_63, Devonte_62, Gervas_64, GlenHope_64, HarveySr_62, Heathcliff_63, Jackstina_59, Kamiyu_63, Kronus_63, LestyG_61, Marley1013_63, MmasiCarm_64, Mortcellus_63, Neos5_62, Nozo_63, Obutu_64, OrangeOswald_63, Philly_62, Phlyer_63, RagingRooster_62, Rita1961_64, RomaT_63, SlippinJimmy_65, SynergyX_63, Tydolla_60, Yahalom_61,

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 37 of 37 (100.0%) of genes in pham
- Manual Annotations of this start: 35 of 35
- Called 100.0% of time when present

• Phage (with cluster) where this start called: Abinghost_63 (B3), Akoma_63 (B3), Athena_65 (B3), Audrey_63 (B3), Baloo_62 (B3), Ben11_63 (B3), Bernardo_64 (B3), ChaChing_63 (B3), Chandler_63 (B3), Corofin_63 (B3), Daisy_62 (B3), Deenasa_63 (B3), Devonte_62 (B3), Gervas_64 (B3), GlenHope_64 (B3), HarveySr_62 (B3), Heathcliff_63 (B3), Jackstina_59 (B3), Kamiyu_63 (B3), Kronus_63 (B3), LestyG_61 (B3), Marley1013_63 (B3), MmasiCarm_64 (B3), Mortcellus_63 (B3), Neos5_62 (B3), Nozo_63 (B3), Obutu_64 (B3), OrangeOswald_63 (B3), Philly_62 (B3), Phlyer_63 (B3), RagingRooster_62 (B3), Rita1961_64 (B3), RomaT_63 (B3), SlippinJimmy_65 (B3), SynergyX_63 (B3), Tydolla_60 (B3), Yahalom_61 (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 35 times for cluster B3.

Gene Information:

Gene: Abinghost_63 Start: 55081, Stop: 54962, Start Num: 1

Candidate Starts for Abinghost_63:

(Start: 1 @55081 has 35 MA's), (2, 55039),

Gene: Akoma_63 Start: 55129, Stop: 55010, Start Num: 1

Candidate Starts for Akoma_63:

(Start: 1 @55129 has 35 MA's), (2, 55087),

Gene: Athena_65 Start: 55864, Stop: 55745, Start Num: 1

Candidate Starts for Athena_65:

(Start: 1 @55864 has 35 MA's), (2, 55822),

Gene: Audrey_63 Start: 55120, Stop: 55001, Start Num: 1

Candidate Starts for Audrey_63:

(Start: 1 @55120 has 35 MA's), (2, 55078),

Gene: Baloo_62 Start: 54953, Stop: 54834, Start Num: 1

Candidate Starts for Baloo_62:

(Start: 1 @54953 has 35 MA's), (2, 54911),

Gene: Ben11_63 Start: 55338, Stop: 55216, Start Num: 1

Candidate Starts for Ben11_63:

(Start: 1 @55338 has 35 MA's), (2, 55296),

Gene: Bernardo_64 Start: 55475, Stop: 55356, Start Num: 1

Candidate Starts for Bernardo_64:

(Start: 1 @55475 has 35 MA's), (2, 55433),

Gene: ChaChing_63 Start: 55140, Stop: 55021, Start Num: 1

Candidate Starts for ChaChing_63:

(Start: 1 @55140 has 35 MA's), (2, 55098),

Gene: Chandler_63 Start: 55908, Stop: 55789, Start Num: 1
Candidate Starts for Chandler_63:
(Start: 1 @55908 has 35 MA's), (2, 55866),

Gene: Corofin_63 Start: 55151, Stop: 55032, Start Num: 1
Candidate Starts for Corofin_63:
(Start: 1 @55151 has 35 MA's), (2, 55109),

Gene: Daisy_62 Start: 54684, Stop: 54565, Start Num: 1
Candidate Starts for Daisy_62:
(Start: 1 @54684 has 35 MA's), (2, 54642),

Gene: Deenasa_63 Start: 55989, Stop: 55870, Start Num: 1
Candidate Starts for Deenasa_63:
(Start: 1 @55989 has 35 MA's), (2, 55947),

Gene: Devonte_62 Start: 54763, Stop: 54644, Start Num: 1
Candidate Starts for Devonte_62:
(Start: 1 @54763 has 35 MA's), (2, 54721),

Gene: Gervas_64 Start: 55545, Stop: 55426, Start Num: 1
Candidate Starts for Gervas_64:
(Start: 1 @55545 has 35 MA's), (2, 55503),

Gene: GlenHope_64 Start: 55119, Stop: 55000, Start Num: 1
Candidate Starts for GlenHope_64:
(Start: 1 @55119 has 35 MA's), (2, 55077),

Gene: HarveySr_62 Start: 54709, Stop: 54590, Start Num: 1
Candidate Starts for HarveySr_62:
(Start: 1 @54709 has 35 MA's), (2, 54667),

Gene: Heathcliff_63 Start: 55086, Stop: 54967, Start Num: 1
Candidate Starts for Heathcliff_63:
(Start: 1 @55086 has 35 MA's), (2, 55044),

Gene: Jackstina_59 Start: 55011, Stop: 54892, Start Num: 1
Candidate Starts for Jackstina_59:
(Start: 1 @55011 has 35 MA's), (2, 54969),

Gene: Kamiyu_63 Start: 55088, Stop: 54969, Start Num: 1
Candidate Starts for Kamiyu_63:
(Start: 1 @55088 has 35 MA's), (2, 55046),

Gene: Kronus_63 Start: 56176, Stop: 56054, Start Num: 1
Candidate Starts for Kronus_63:
(Start: 1 @56176 has 35 MA's), (2, 56134),

Gene: LestyG_61 Start: 54606, Stop: 54487, Start Num: 1
Candidate Starts for LestyG_61:
(Start: 1 @54606 has 35 MA's), (2, 54564),

Gene: Marley1013_63 Start: 55804, Stop: 55685, Start Num: 1

Candidate Starts for Marley1013_63:
(Start: 1 @55804 has 35 MA's), (2, 55762),

Gene: MmasiCarm_64 Start: 55533, Stop: 55414, Start Num: 1
Candidate Starts for MmasiCarm_64:
(Start: 1 @55533 has 35 MA's), (2, 55491),

Gene: Mortcellus_63 Start: 56191, Stop: 56072, Start Num: 1
Candidate Starts for Mortcellus_63:
(Start: 1 @56191 has 35 MA's), (2, 56149),

Gene: Neos5_62 Start: 55266, Stop: 55147, Start Num: 1
Candidate Starts for Neos5_62:
(Start: 1 @55266 has 35 MA's), (2, 55224),

Gene: Nozo_63 Start: 55887, Stop: 55768, Start Num: 1
Candidate Starts for Nozo_63:
(Start: 1 @55887 has 35 MA's), (2, 55845),

Gene: Obutu_64 Start: 55486, Stop: 55367, Start Num: 1
Candidate Starts for Obutu_64:
(Start: 1 @55486 has 35 MA's), (2, 55444),

Gene: OrangeOswald_63 Start: 55128, Stop: 55009, Start Num: 1
Candidate Starts for OrangeOswald_63:
(Start: 1 @55128 has 35 MA's), (2, 55086),

Gene: Philly_62 Start: 54948, Stop: 54829, Start Num: 1
Candidate Starts for Philly_62:
(Start: 1 @54948 has 35 MA's), (2, 54906),

Gene: Phlyer_63 Start: 55842, Stop: 55723, Start Num: 1
Candidate Starts for Phlyer_63:
(Start: 1 @55842 has 35 MA's), (2, 55800),

Gene: RagingRooster_62 Start: 54776, Stop: 54657, Start Num: 1
Candidate Starts for RagingRooster_62:
(Start: 1 @54776 has 35 MA's), (2, 54734),

Gene: Rita1961_64 Start: 55486, Stop: 55367, Start Num: 1
Candidate Starts for Rita1961_64:
(Start: 1 @55486 has 35 MA's), (2, 55444),

Gene: RomaT_63 Start: 55685, Stop: 55566, Start Num: 1
Candidate Starts for RomaT_63:
(Start: 1 @55685 has 35 MA's), (2, 55643),

Gene: SlippinJimmy_65 Start: 56286, Stop: 56167, Start Num: 1
Candidate Starts for SlippinJimmy_65:
(Start: 1 @56286 has 35 MA's), (2, 56244),

Gene: SynergyX_63 Start: 55125, Stop: 55006, Start Num: 1
Candidate Starts for SynergyX_63:

(Start: 1 @55125 has 35 MA's), (2, 55083),

Gene: Tydolla_60 Start: 55158, Stop: 55039, Start Num: 1

Candidate Starts for Tydolla_60:

(Start: 1 @55158 has 35 MA's), (2, 55116),

Gene: Yahalom_61 Start: 54932, Stop: 54813, Start Num: 1

Candidate Starts for Yahalom_61:

(Start: 1 @54932 has 35 MA's), (2, 54890),