

Pham 86095



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 86095 Report

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

Pham number 86095 has 37 members, 3 are drafts.

Phages represented in each track:

- Track 1 : OrangeOswald_50, Baloo_50, Akoma_50, Daisy_50, Abinghost_50, Audrey_50, Halfpint_49, Nozo_50, Phlyer_50, Neos5_50, Athena_51, Heathcliff_50, Philly_49, GlenHope_51, Chandler_50, SynergyX_50, ChaChing_50
- Track 2 : LestyG_50
- Track 3 : Gervas_50, Ben11_49, Rita1961_50, Mortcellus_49, Casbah_49
- Track 4 : Devonte_50
- Track 5 : Morty007_50, Marley1013_50
- Track 6 : HarveySr_50
- Track 7 : RomaT_50, Yinz_50
- Track 8 : MmasiCarm_50
- Track 9 : Bernardo_51
- Track 10 : Obutu_50, Phayeta_51, Kronus_49, SlippinJimmy_50
- Track 11 : Pipefish_52
- Track 12 : Briakila_51

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

The start number called the most often in the published annotations is 12, it was called in 25 of the 34 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abinghost_50, Akoma_50, Athena_51, Audrey_50, Baloo_50, Ben11_49, Briakila_51, Casbah_49, ChaChing_50, Chandler_50, Daisy_50, Devonte_50, Gervas_50, GlenHope_51, Halfpint_49, Heathcliff_50, Marley1013_50, MmasiCarm_50, Mortcellus_49, Morty007_50, Neos5_50, Nozo_50, OrangeOswald_50, Philly_49, Phlyer_50, Rita1961_50, SynergyX_50,

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

- HarveySr_50, Kronus_49, LestyG_50, Obutu_50, Phayeta_51, SlippinJimmy_50,

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

- Bernardo_51, Pipefish_52, RomaT_50, Yinz_50,

Summary by start number:

Start 7:

- Found in 10 of 37 (27.0%) of genes in pham
- Manual Annotations of this start: 3 of 34
- Called 40.0% of time when present
- Phage (with cluster) where this start called: Kronus_49 (B3), Obutu_50 (B3), Phayeta_51 (B3), SlippinJimmy_50 (B3),

Start 9:

- Found in 4 of 37 (10.8%) of genes in pham
- Manual Annotations of this start: 3 of 34
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Bernardo_51 (B3), HarveySr_50 (B3), Pipefish_52 (B3),

Start 10:

- Found in 2 of 37 (5.4%) of genes in pham
- Manual Annotations of this start: 1 of 34
- Called 50.0% of time when present
- Phage (with cluster) where this start called: LestyG_50 (B3),

Start 11:

- Found in 2 of 37 (5.4%) of genes in pham
- Manual Annotations of this start: 2 of 34
- Called 100.0% of time when present
- Phage (with cluster) where this start called: RomaT_50 (B3), Yinz_50 (B3),

Start 12:

- Found in 33 of 37 (89.2%) of genes in pham
- Manual Annotations of this start: 25 of 34
- Called 81.8% of time when present
- Phage (with cluster) where this start called: Abinghost_50 (B3), Akoma_50 (B3), Athena_51 (B3), Audrey_50 (B3), Baloo_50 (B3), Ben11_49 (B3), Briakila_51 (B3), Casbah_49 (B3), ChaChing_50 (B3), Chandler_50 (B3), Daisy_50 (B3), Devonte_50 (B3), Gervas_50 (B3), GlenHope_51 (B3), Halfpint_49 (B3), Heathcliff_50 (B3), Marley1013_50 (B3), MmasiCarm_50 (B3), Mortcellus_49 (B3), Morty007_50 (B3), Neos5_50 (B3), Nozo_50 (B3), OrangeOswald_50 (B3), Philly_49 (B3), Phlyer_50 (B3), Rita1961_50 (B3), SynergyX_50 (B3),

Summary by clusters:

There is one cluster represented in this pham: B3

Info for manual annotations of cluster B3:

- Start number 7 was manually annotated 3 times for cluster B3.
- Start number 9 was manually annotated 3 times for cluster B3.
- Start number 10 was manually annotated 1 time for cluster B3.
- Start number 11 was manually annotated 2 times for cluster B3.
- Start number 12 was manually annotated 25 times for cluster B3.

Gene Information:

Gene: Abinghost_50 Start: 45088, Stop: 44867, Start Num: 12

Candidate Starts for Abinghost_50:

(1, 45322), (2, 45310), (Start: 12 @45088 has 25 MA's), (13, 45046), (14, 45037), (15, 45007), (16, 44890), (17, 44878),

Gene: Akoma_50 Start: 45099, Stop: 44878, Start Num: 12

Candidate Starts for Akoma_50:

(1, 45333), (2, 45321), (Start: 12 @45099 has 25 MA's), (13, 45057), (14, 45048), (15, 45018), (16, 44901), (17, 44889),

Gene: Athena_51 Start: 45846, Stop: 45625, Start Num: 12

Candidate Starts for Athena_51:

(1, 46080), (2, 46068), (Start: 12 @45846 has 25 MA's), (13, 45804), (14, 45795), (15, 45765), (16, 45648), (17, 45636),

Gene: Audrey_50 Start: 45094, Stop: 44873, Start Num: 12

Candidate Starts for Audrey_50:

(1, 45328), (2, 45316), (Start: 12 @45094 has 25 MA's), (13, 45052), (14, 45043), (15, 45013), (16, 44896), (17, 44884),

Gene: Baloo_50 Start: 45097, Stop: 44876, Start Num: 12

Candidate Starts for Baloo_50:

(1, 45331), (2, 45319), (Start: 12 @45097 has 25 MA's), (13, 45055), (14, 45046), (15, 45016), (16, 44899), (17, 44887),

Gene: Ben11_49 Start: 44918, Stop: 44697, Start Num: 12

Candidate Starts for Ben11_49:

(4, 45062), (6, 45026), (Start: 7 @44993 has 3 MA's), (8, 44963), (Start: 12 @44918 has 25 MA's), (13, 44876), (14, 44867), (15, 44837), (16, 44720), (17, 44708),

Gene: Bernardo_51 Start: 45676, Stop: 45419, Start Num: 9

Candidate Starts for Bernardo_51:

(3, 45862), (5, 45790), (Start: 9 @45676 has 3 MA's), (13, 45601), (14, 45592), (15, 45562),

Gene: Briakila_51 Start: 45866, Stop: 45645, Start Num: 12

Candidate Starts for Briakila_51:

(Start: 10 @45899 has 1 MA's), (Start: 12 @45866 has 25 MA's), (13, 45824), (14, 45815), (15, 45785), (16, 45668), (17, 45656),

Gene: Casbah_49 Start: 44948, Stop: 44727, Start Num: 12

Candidate Starts for Casbah_49:

(4, 45092), (6, 45056), (Start: 7 @45023 has 3 MA's), (8, 44993), (Start: 12 @44948 has 25 MA's), (13, 44906), (14, 44897), (15, 44867), (16, 44750), (17, 44738),

Gene: ChaChing_50 Start: 45111, Stop: 44890, Start Num: 12

Candidate Starts for ChaChing_50:

(1, 45345), (2, 45333), (Start: 12 @45111 has 25 MA's), (13, 45069), (14, 45060), (15, 45030), (16, 44913), (17, 44901),

Gene: Chandler_50 Start: 45878, Stop: 45657, Start Num: 12

Candidate Starts for Chandler_50:

(1, 46112), (2, 46100), (Start: 12 @45878 has 25 MA's), (13, 45836), (14, 45827), (15, 45797), (16, 45680), (17, 45668),

Gene: Daisy_50 Start: 45123, Stop: 44902, Start Num: 12

Candidate Starts for Daisy_50:

(1, 45357), (2, 45345), (Start: 12 @45123 has 25 MA's), (13, 45081), (14, 45072), (15, 45042), (16, 44925), (17, 44913),

Gene: Devonte_50 Start: 45086, Stop: 44865, Start Num: 12

Candidate Starts for Devonte_50:

(Start: 9 @45119 has 3 MA's), (Start: 12 @45086 has 25 MA's), (13, 45044), (14, 45035), (15, 45005), (16, 44888), (17, 44876),

Gene: Gervas_50 Start: 45077, Stop: 44856, Start Num: 12

Candidate Starts for Gervas_50:

(4, 45221), (6, 45185), (Start: 7 @45152 has 3 MA's), (8, 45122), (Start: 12 @45077 has 25 MA's), (13, 45035), (14, 45026), (15, 44996), (16, 44879), (17, 44867),

Gene: GlenHope_51 Start: 45089, Stop: 44868, Start Num: 12

Candidate Starts for GlenHope_51:

(1, 45323), (2, 45311), (Start: 12 @45089 has 25 MA's), (13, 45047), (14, 45038), (15, 45008), (16, 44891), (17, 44879),

Gene: Halfpint_49 Start: 44914, Stop: 44693, Start Num: 12

Candidate Starts for Halfpint_49:

(1, 45148), (2, 45136), (Start: 12 @44914 has 25 MA's), (13, 44872), (14, 44863), (15, 44833), (16, 44716), (17, 44704),

Gene: HarveySr_50 Start: 45115, Stop: 44861, Start Num: 9

Candidate Starts for HarveySr_50:

(Start: 9 @45115 has 3 MA's), (Start: 12 @45082 has 25 MA's), (13, 45040), (14, 45031), (15, 45001), (16, 44884), (17, 44872),

Gene: Heathcliff_50 Start: 45060, Stop: 44839, Start Num: 12

Candidate Starts for Heathcliff_50:

(1, 45294), (2, 45282), (Start: 12 @45060 has 25 MA's), (13, 45018), (14, 45009), (15, 44979), (16, 44862), (17, 44850),

Gene: Kronus_49 Start: 45755, Stop: 45459, Start Num: 7

Candidate Starts for Kronus_49:

(4, 45824), (6, 45788), (Start: 7 @45755 has 3 MA's), (8, 45725), (Start: 12 @45680 has 25 MA's), (13, 45638), (14, 45629), (15, 45599), (16, 45482), (17, 45470),

Gene: LestyG_50 Start: 45132, Stop: 44878, Start Num: 10

Candidate Starts for LestyG_50:

(Start: 10 @45132 has 1 MA's), (Start: 12 @45099 has 25 MA's), (13, 45057), (14, 45048), (15, 45018), (16, 44901), (17, 44889),

Gene: Marley1013_50 Start: 45877, Stop: 45656, Start Num: 12

Candidate Starts for Marley1013_50:

(Start: 12 @45877 has 25 MA's), (13, 45835), (14, 45826), (15, 45796), (16, 45679), (17, 45667),

Gene: MmasiCarm_50 Start: 45082, Stop: 44861, Start Num: 12

Candidate Starts for MmasiCarm_50:

(4, 45271), (6, 45235), (Start: 7 @45202 has 3 MA's), (8, 45172), (Start: 12 @45082 has 25 MA's), (13, 45040), (14, 45031), (15, 45001), (16, 44884), (17, 44872),

Gene: Mortcellus_49 Start: 45734, Stop: 45513, Start Num: 12

Candidate Starts for Mortcellus_49:

(4, 45878), (6, 45842), (Start: 7 @45809 has 3 MA's), (8, 45779), (Start: 12 @45734 has 25 MA's), (13, 45692), (14, 45683), (15, 45653), (16, 45536), (17, 45524),

Gene: Morty007_50 Start: 45877, Stop: 45656, Start Num: 12

Candidate Starts for Morty007_50:

(Start: 12 @45877 has 25 MA's), (13, 45835), (14, 45826), (15, 45796), (16, 45679), (17, 45667),

Gene: Neos5_50 Start: 45893, Stop: 45672, Start Num: 12

Candidate Starts for Neos5_50:

(1, 46127), (2, 46115), (Start: 12 @45893 has 25 MA's), (13, 45851), (14, 45842), (15, 45812), (16, 45695), (17, 45683),

Gene: Nozo_50 Start: 45857, Stop: 45636, Start Num: 12

Candidate Starts for Nozo_50:

(1, 46091), (2, 46079), (Start: 12 @45857 has 25 MA's), (13, 45815), (14, 45806), (15, 45776), (16, 45659), (17, 45647),

Gene: Obutu_50 Start: 45157, Stop: 44861, Start Num: 7

Candidate Starts for Obutu_50:

(4, 45226), (6, 45190), (Start: 7 @45157 has 3 MA's), (8, 45127), (Start: 12 @45082 has 25 MA's), (13, 45040), (14, 45031), (15, 45001), (16, 44884), (17, 44872),

Gene: OrangeOswald_50 Start: 45098, Stop: 44877, Start Num: 12

Candidate Starts for OrangeOswald_50:

(1, 45332), (2, 45320), (Start: 12 @45098 has 25 MA's), (13, 45056), (14, 45047), (15, 45017), (16, 44900), (17, 44888),

Gene: Phayeta_51 Start: 45039, Stop: 44743, Start Num: 7

Candidate Starts for Phayeta_51:

(4, 45108), (6, 45072), (Start: 7 @45039 has 3 MA's), (8, 45009), (Start: 12 @44964 has 25 MA's), (13, 44922), (14, 44913), (15, 44883), (16, 44766), (17, 44754),

Gene: Philly_49 Start: 44949, Stop: 44728, Start Num: 12

Candidate Starts for Philly_49:

(1, 45183), (2, 45171), (Start: 12 @44949 has 25 MA's), (13, 44907), (14, 44898), (15, 44868), (16, 44751), (17, 44739),

Gene: Phlyer_50 Start: 45838, Stop: 45617, Start Num: 12

Candidate Starts for Phlyer_50:

(1, 46072), (2, 46060), (Start: 12 @45838 has 25 MA's), (13, 45796), (14, 45787), (15, 45757), (16, 45640), (17, 45628),

Gene: Pipefish_52 Start: 46520, Stop: 46266, Start Num: 9

Candidate Starts for Pipefish_52:

(3, 46706), (5, 46634), (Start: 9 @46520 has 3 MA's), (13, 46445), (14, 46436), (15, 46406), (16, 46289), (17, 46277),

Gene: Rita1961_50 Start: 45083, Stop: 44862, Start Num: 12

Candidate Starts for Rita1961_50:

(4, 45227), (6, 45191), (Start: 7 @45158 has 3 MA's), (8, 45128), (Start: 12 @45083 has 25 MA's), (13, 45041), (14, 45032), (15, 45002), (16, 44885), (17, 44873),

Gene: RomaT_50 Start: 45902, Stop: 45651, Start Num: 11

Candidate Starts for RomaT_50:

(Start: 11 @45902 has 2 MA's), (13, 45830), (14, 45821), (15, 45791), (16, 45674), (17, 45662),

Gene: SlippinJimmy_50 Start: 45940, Stop: 45644, Start Num: 7

Candidate Starts for SlippinJimmy_50:

(4, 46009), (6, 45973), (Start: 7 @45940 has 3 MA's), (8, 45910), (Start: 12 @45865 has 25 MA's), (13, 45823), (14, 45814), (15, 45784), (16, 45667), (17, 45655),

Gene: SynergyX_50 Start: 45099, Stop: 44878, Start Num: 12

Candidate Starts for SynergyX_50:

(1, 45333), (2, 45321), (Start: 12 @45099 has 25 MA's), (13, 45057), (14, 45048), (15, 45018), (16, 44901), (17, 44889),

Gene: Yinz_50 Start: 45165, Stop: 44914, Start Num: 11

Candidate Starts for Yinz_50:

(Start: 11 @45165 has 2 MA's), (13, 45093), (14, 45084), (15, 45054), (16, 44937), (17, 44925),