



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 2296 Report

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

Pham number 2296 has 38 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Forsytheast_71, A6_62, DreamCatcher_73, BK1_62, SwissCheese_73, Watermelon_71, U2_65, Corvo_70, MaryBeth_67, Euphoria_69, Zephyr_71, Ohno789_71, Manatee_69, Moose_71, GrecoEtereo_72, HarryOW_69, KyMonks1A_74, MetalQZJ_66, Seabiscuit_71
- Track 2 : Bob3_71, Froghopper_67, Bruns_72, BigMau_72, HermioneGrange_72, Jerm2_71, GageAP_71, Rufus_72, MPlant7149_70, Rubeus_69, Atkinbua_74, BPBiebs31_73, Thor_71, SarFire_71, Arlo_68, Rohr_71, Bethlehem_71, Briton15_74, Cueylyss_68

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 38 of the 38 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- A6_62, Arlo_68, Atkinbua_74, BK1_62, BPBiebs31_73, Bethlehem_71, BigMau_72, Bob3_71, Briton15_74, Bruns_72, Corvo_70, Cueylyss_68, DreamCatcher_73, Euphoria_69, Forsytheast_71, Froghopper_67, GageAP_71, GrecoEtereo_72, HarryOW_69, HermioneGrange_72, Jerm2_71, KyMonks1A_74, MPlant7149_70, Manatee_69, MaryBeth_67, MetalQZJ_66, Moose_71, Ohno789_71, Rohr_71, Rubeus_69, Rufus_72, SarFire_71, Seabiscuit_71, SwissCheese_73, Thor_71, U2_65, Watermelon_71, Zephyr_71,

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 38 of 38 (100.0%) of genes in pham
- Manual Annotations of this start: 38 of 38

- Called 100.0% of time when present
- Phage (with cluster) where this start called: A6_62 (A1), Arlo_68 (A1), Atkinbua_74 (A1), BK1_62 (A1), BPBiebs31_73 (A1), Bethlehem_71 (A1), BigMau_72 (A1), Bob3_71 (A1), Briton15_74 (A1), Bruns_72 (A1), Corvo_70 (A1), Cueylyss_68 (A1), DreamCatcher_73 (A1), Euphoria_69 (A1), Forsytheast_71 (A1), Froghopper_67 (A1), GageAP_71 (A1), GrecoEtereo_72 (A1), HarryOW_69 (A1), HermioneGrange_72 (A1), Jerm2_71 (A1), KyMonks1A_74 (A1), MPlant7149_70 (A1), Manatee_69 (A1), MaryBeth_67 (A1), MetalQZJ_66 (A1), Moose_71 (A1), Ohno789_71 (A1), Rohr_71 (A1), Rubeus_69 (A1), Rufus_72 (A1), SarFire_71 (A1), Seabiscuit_71 (A1), SwissCheese_73 (A1), Thor_71 (A1), U2_65 (A1), Watermelon_71 (A1), Zephyr_71 (A1),

Summary by clusters:

There is one cluster represented in this pham: A1

Info for manual annotations of cluster A1:

- Start number 1 was manually annotated 38 times for cluster A1.

Gene Information:

Gene: A6_62 Start: 41792, Stop: 41484, Start Num: 1

Candidate Starts for A6_62:

(Start: 1 @41792 has 38 MA's), (2, 41774), (3, 41717), (4, 41648), (5, 41624),

Gene: Arlo_68 Start: 43955, Stop: 43620, Start Num: 1

Candidate Starts for Arlo_68:

(Start: 1 @43955 has 38 MA's), (2, 43937), (3, 43880), (4, 43811), (5, 43787), (6, 43643),

Gene: Atkinbua_74 Start: 44473, Stop: 44138, Start Num: 1

Candidate Starts for Atkinbua_74:

(Start: 1 @44473 has 38 MA's), (2, 44455), (3, 44398), (4, 44329), (5, 44305), (6, 44161),

Gene: BK1_62 Start: 41792, Stop: 41484, Start Num: 1

Candidate Starts for BK1_62:

(Start: 1 @41792 has 38 MA's), (2, 41774), (3, 41717), (4, 41648), (5, 41624),

Gene: BPBiebs31_73 Start: 45061, Stop: 44726, Start Num: 1

Candidate Starts for BPBiebs31_73:

(Start: 1 @45061 has 38 MA's), (2, 45043), (3, 44986), (4, 44917), (5, 44893), (6, 44749),

Gene: Bethlehem_71 Start: 45979, Stop: 45644, Start Num: 1

Candidate Starts for Bethlehem_71:

(Start: 1 @45979 has 38 MA's), (2, 45961), (3, 45904), (4, 45835), (5, 45811), (6, 45667),

Gene: BigMau_72 Start: 44869, Stop: 44534, Start Num: 1

Candidate Starts for BigMau_72:

(Start: 1 @44869 has 38 MA's), (2, 44851), (3, 44794), (4, 44725), (5, 44701), (6, 44557),

Gene: Bob3_71 Start: 44139, Stop: 43804, Start Num: 1

Candidate Starts for Bob3_71:

(Start: 1 @44139 has 38 MA's), (2, 44121), (3, 44064), (4, 43995), (5, 43971), (6, 43827),

Gene: Briton15_74 Start: 45943, Stop: 45608, Start Num: 1

Candidate Starts for Briton15_74:

(Start: 1 @45943 has 38 MA's), (2, 45925), (3, 45868), (4, 45799), (5, 45775), (6, 45631),

Gene: Bruns_72 Start: 44080, Stop: 43745, Start Num: 1

Candidate Starts for Bruns_72:

(Start: 1 @44080 has 38 MA's), (2, 44062), (3, 44005), (4, 43936), (5, 43912), (6, 43768),

Gene: Corvo_70 Start: 44981, Stop: 44673, Start Num: 1

Candidate Starts for Corvo_70:

(Start: 1 @44981 has 38 MA's), (2, 44963), (3, 44906), (4, 44837), (5, 44813),

Gene: Cueylyss_68 Start: 45038, Stop: 44703, Start Num: 1

Candidate Starts for Cueylyss_68:

(Start: 1 @45038 has 38 MA's), (2, 45020), (3, 44963), (4, 44894), (5, 44870), (6, 44726),

Gene: DreamCatcher_73 Start: 45226, Stop: 44918, Start Num: 1

Candidate Starts for DreamCatcher_73:

(Start: 1 @45226 has 38 MA's), (2, 45208), (3, 45151), (4, 45082), (5, 45058),

Gene: Euphoria_69 Start: 43997, Stop: 43689, Start Num: 1

Candidate Starts for Euphoria_69:

(Start: 1 @43997 has 38 MA's), (2, 43979), (3, 43922), (4, 43853), (5, 43829),

Gene: Forsytheast_71 Start: 44077, Stop: 43742, Start Num: 1

Candidate Starts for Forsytheast_71:

(Start: 1 @44077 has 38 MA's), (2, 44059), (3, 44002), (4, 43933), (5, 43909),

Gene: Froghopper_67 Start: 43136, Stop: 42801, Start Num: 1

Candidate Starts for Froghopper_67:

(Start: 1 @43136 has 38 MA's), (2, 43118), (3, 43061), (4, 42992), (5, 42968), (6, 42824),

Gene: GageAP_71 Start: 45310, Stop: 44975, Start Num: 1

Candidate Starts for GageAP_71:

(Start: 1 @45310 has 38 MA's), (2, 45292), (3, 45235), (4, 45166), (5, 45142), (6, 44998),

Gene: GrecoEtereo_72 Start: 45006, Stop: 44698, Start Num: 1

Candidate Starts for GrecoEtereo_72:

(Start: 1 @45006 has 38 MA's), (2, 44988), (3, 44931), (4, 44862), (5, 44838),

Gene: HarryOW_69 Start: 44935, Stop: 44600, Start Num: 1

Candidate Starts for HarryOW_69:

(Start: 1 @44935 has 38 MA's), (2, 44917), (3, 44860), (4, 44791), (5, 44767),

Gene: HermioneGrange_72 Start: 45363, Stop: 45028, Start Num: 1

Candidate Starts for HermioneGrange_72:

(Start: 1 @45363 has 38 MA's), (2, 45345), (3, 45288), (4, 45219), (5, 45195), (6, 45051),

Gene: Jerm2_71 Start: 45433, Stop: 45098, Start Num: 1

Candidate Starts for Jerm2_71:

(Start: 1 @45433 has 38 MA's), (2, 45415), (3, 45358), (4, 45289), (5, 45265), (6, 45121),

Gene: KyMonks1A_74 Start: 44529, Stop: 44221, Start Num: 1
Candidate Starts for KyMonks1A_74:
(Start: 1 @44529 has 38 MA's), (2, 44511), (3, 44454), (4, 44385), (5, 44361),

Gene: MPlant7149_70 Start: 43251, Stop: 42916, Start Num: 1
Candidate Starts for MPlant7149_70:
(Start: 1 @43251 has 38 MA's), (2, 43233), (3, 43176), (4, 43107), (5, 43083), (6, 42939),

Gene: Manatee_69 Start: 43648, Stop: 43340, Start Num: 1
Candidate Starts for Manatee_69:
(Start: 1 @43648 has 38 MA's), (2, 43630), (3, 43573), (4, 43504), (5, 43480),

Gene: MaryBeth_67 Start: 44358, Stop: 44050, Start Num: 1
Candidate Starts for MaryBeth_67:
(Start: 1 @44358 has 38 MA's), (2, 44340), (3, 44283), (4, 44214), (5, 44190),

Gene: MetalQZJ_66 Start: 44358, Stop: 44050, Start Num: 1
Candidate Starts for MetalQZJ_66:
(Start: 1 @44358 has 38 MA's), (2, 44340), (3, 44283), (4, 44214), (5, 44190),

Gene: Moose_71 Start: 44077, Stop: 43742, Start Num: 1
Candidate Starts for Moose_71:
(Start: 1 @44077 has 38 MA's), (2, 44059), (3, 44002), (4, 43933), (5, 43909),

Gene: Ohno789_71 Start: 44938, Stop: 44630, Start Num: 1
Candidate Starts for Ohno789_71:
(Start: 1 @44938 has 38 MA's), (2, 44920), (3, 44863), (4, 44794), (5, 44770),

Gene: Rohr_71 Start: 45509, Stop: 45174, Start Num: 1
Candidate Starts for Rohr_71:
(Start: 1 @45509 has 38 MA's), (2, 45491), (3, 45434), (4, 45365), (5, 45341), (6, 45197),

Gene: Rubeus_69 Start: 42011, Stop: 41676, Start Num: 1
Candidate Starts for Rubeus_69:
(Start: 1 @42011 has 38 MA's), (2, 41993), (3, 41936), (4, 41867), (5, 41843), (6, 41699),

Gene: Rufus_72 Start: 44695, Stop: 44360, Start Num: 1
Candidate Starts for Rufus_72:
(Start: 1 @44695 has 38 MA's), (2, 44677), (3, 44620), (4, 44551), (5, 44527), (6, 44383),

Gene: SarFire_71 Start: 44971, Stop: 44636, Start Num: 1
Candidate Starts for SarFire_71:
(Start: 1 @44971 has 38 MA's), (2, 44953), (3, 44896), (4, 44827), (5, 44803), (6, 44659),

Gene: Seabiscuit_71 Start: 43591, Stop: 43283, Start Num: 1
Candidate Starts for Seabiscuit_71:
(Start: 1 @43591 has 38 MA's), (2, 43573), (3, 43516), (4, 43447), (5, 43423),

Gene: SwissCheese_73 Start: 44550, Stop: 44242, Start Num: 1
Candidate Starts for SwissCheese_73:
(Start: 1 @44550 has 38 MA's), (2, 44532), (3, 44475), (4, 44406), (5, 44382),

Gene: Thor_71 Start: 44329, Stop: 43994, Start Num: 1

Candidate Starts for Thor_71:

(Start: 1 @44329 has 38 MA's), (2, 44311), (3, 44254), (4, 44185), (5, 44161), (6, 44017),

Gene: U2_65 Start: 44926, Stop: 44618, Start Num: 1

Candidate Starts for U2_65:

(Start: 1 @44926 has 38 MA's), (2, 44908), (3, 44851), (4, 44782), (5, 44758),

Gene: Watermelon_71 Start: 44633, Stop: 44298, Start Num: 1

Candidate Starts for Watermelon_71:

(Start: 1 @44633 has 38 MA's), (2, 44615), (3, 44558), (4, 44489), (5, 44465),

Gene: Zephyr_71 Start: 43893, Stop: 43558, Start Num: 1

Candidate Starts for Zephyr_71:

(Start: 1 @43893 has 38 MA's), (2, 43875), (3, 43818), (4, 43749), (5, 43725),