Pham 4649

1: Sebata_50 + 18

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 4649 Report

This analysis was run 04/05/24 on database version 557.

Pham number 4649 has 19 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Sebata_50, NoodleTree_48, EggyFarm_53, Mangeria_50, ShiaLabeouf_48, Bigswole_54, Grasshills_53, Kamryn_48, Naval22_53, Phusco_48, Breeniome_49, Pio_52, Gabriel_49, Bxz1_49, JayJay_51, BigCity_53, I3_50, Bangla1971_48, NuevoMundo_51

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 14 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bangla1971_48, BigCity_53, Bigswole_54, Breeniome_49, Bxz1_49, EggyFarm_53, Gabriel_49, Grasshills_53, I3_50, JayJay_51, Kamryn_48, Mangeria_50, Naval22_53, NoodleTree_48, NuevoMundo_51, Phusco_48, Pio_52, Sebata_50, ShiaLabeouf_48,

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 19 of 19 (100.0%) of genes in pham
• Manual Annotations of this start: 14 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bangla1971_48 (C1), BigCity_53 (C1), Bigswole_54 (C1), Breeniome_49 (C1), Bxz1_49 (C1), EggyFarm_53 (C1), Gabriel_49 (C1), Grasshills_53 (C1), I3_50 (C1), JayJay_51 (C1), Kamryn_48 (C1), Mangeria_50 (C1), Naval22_53 (C1), NoodleTree_48 (C1), NuevoMundo_51 (C1), Phusco_48 (C1), Pio_52 (C1), Sebata_50 (C1), ShiaLabeouf_48 (C1),

Summary by clusters:

There is one cluster represented in this pham: C1

Info for manual annotations of cluster C1:
•Start number 1 was manually annotated 14 times for cluster C1.

Gene Information:
Gene: Bangla1971_48 Start: 15014, Stop: 15199, Start Num: 1
Candidate Starts for Bangla1971_48:
(Start: 1 @15014 has 14 MA's), (2, 15080), (3, 15137),

Gene: BigCity_53 Start: 16508, Stop: 16693, Start Num: 1
Candidate Starts for BigCity_53:
(Start: 1 @16508 has 14 MA's), (2, 16574), (3, 16631),

Gene: Bigswole_54 Start: 17409, Stop: 17594, Start Num: 1
Candidate Starts for Bigswole_54:
(Start: 1 @17409 has 14 MA's), (2, 17475), (3, 17532),

Gene: Breeniome_49 Start: 14446, Stop: 14631, Start Num: 1
Candidate Starts for Breeniome_49:
(Start: 1 @14446 has 14 MA's), (2, 14512), (3, 14569),

Gene: Bxz1_49 Start: 16023, Stop: 16208, Start Num: 1
Candidate Starts for Bxz1_49:
(Start: 1 @16023 has 14 MA's), (2, 16089), (3, 16146),

Gene: EggyFarm_53 Start: 16508, Stop: 16693, Start Num: 1
Candidate Starts for EggyFarm_53:
(Start: 1 @16508 has 14 MA's), (2, 16574), (3, 16631),

Gene: Gabriel_49 Start: 14437, Stop: 14622, Start Num: 1
Candidate Starts for Gabriel_49:
(Start: 1 @14437 has 14 MA's), (2, 14503), (3, 14560),

Gene: Grasshills_53 Start: 16508, Stop: 16693, Start Num: 1
Candidate Starts for Grasshills_53:
(Start: 1 @16508 has 14 MA's), (2, 16574), (3, 16631),

Gene: I3_50 Start: 15654, Stop: 15839, Start Num: 1
Candidate Starts for I3_50:
(Start: 1 @15654 has 14 MA's), (2, 15720), (3, 15777),

Gene: JayJay_51 Start: 15751, Stop: 15936, Start Num: 1
Candidate Starts for JayJay_51:
(Start: 1 @15751 has 14 MA's), (2, 15817), (3, 15874),

Gene: Kamryn_48 Start: 14883, Stop: 15062, Start Num: 1
Candidate Starts for Kamryn_48:

(Start: 1 @14883 has 14 MA's), (2, 14949), (3, 15006),

Gene: Mangeria_50 Start: 15862, Stop: 16047, Start Num: 1
Candidate Starts for Mangeria_50:
(Start: 1 @15862 has 14 MA's), (2, 15928), (3, 15985),

Gene: Naval22_53 Start: 16128, Stop: 16313, Start Num: 1
Candidate Starts for Naval22_53:
(Start: 1 @16128 has 14 MA's), (2, 16194), (3, 16251),

Gene: NoodleTree_48 Start: 15551, Stop: 15736, Start Num: 1
Candidate Starts for NoodleTree_48:
(Start: 1 @15551 has 14 MA's), (2, 15617), (3, 15674),

Gene: NuevoMundo_51 Start: 16164, Stop: 16355, Start Num: 1
Candidate Starts for NuevoMundo_51:
(Start: 1 @16164 has 14 MA's), (2, 16230), (3, 16287),

Gene: Phusco_48 Start: 15014, Stop: 15199, Start Num: 1
Candidate Starts for Phusco_48:
(Start: 1 @15014 has 14 MA's), (2, 15080), (3, 15137),

Gene: Pio_52 Start: 16412, Stop: 16597, Start Num: 1
Candidate Starts for Pio_52:
(Start: 1 @16412 has 14 MA's), (2, 16478), (3, 16535),

Gene: Sebata_50 Start: 16130, Stop: 16315, Start Num: 1
Candidate Starts for Sebata_50:
(Start: 1 @16130 has 14 MA's), (2, 16196), (3, 16253),

Gene: ShiaLabeouf_48 Start: 14641, Stop: 14826, Start Num: 1
Candidate Starts for ShiaLabeouf_48:
(Start: 1 @14641 has 14 MA's), (2, 14707), (3, 14764),