Pham 4808

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 4808 Report

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

Pham number 4808 has 14 members, 1 are drafts.

Phages represented in each track:
• Track 1 : A6_64, BK1_64
• Track 2 : Bxb1_64, Big3_72
• Track 3 : SkiPole_80, Agaliana_68, Bruns_74, DreamCatcher_75, Francis47_72, SwissCheese_75, PacerPaul_75
• Track 4 : Maroc7_73
• Track 5 : MetalQZJ_68, MaryBeth_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 13 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• A6_64, Agaliana_68, BK1_64, Big3_72, Bruns_74, Bxb1_64, DreamCatcher_75, Francis47_72, Maroc7_73, MaryBeth_69, MetalQZJ_68, PacerPaul_75, SkiPole_80, SwissCheese_75,

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 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 13 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: A6_64 (A1), Agaliana_68 (A1), BK1_64 (A1), Big3_72 (A1), Bruns_74 (A1), Bxb1_64 (A1), DreamCatcher_75 (A1), Francis47_72 (A1), Maroc7_73 (A1), MaryBeth_69 (A1), MetalQZJ_68 (A1), PacerPaul_75 (A1), SkiPole_80 (A1), SwissCheese_75 (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 13 times for cluster A1.

Gene Information:

Gene: A6_64 Start: 42473, Stop: 42213, Start Num: 1
Candidate Starts for A6_64:
(Start: 1 @42473 has 13 MA's), (2, 42437), (3, 42422), (5, 42356), (6, 42284),

Gene: Agaliana_68 Start: 43325, Stop: 43074, Start Num: 1
Candidate Starts for Agaliana_68:
(Start: 1 @43325 has 13 MA's), (3, 43274), (5, 43208), (6, 43136),

Gene: BK1_64 Start: 42473, Stop: 42213, Start Num: 1
Candidate Starts for BK1_64:
(Start: 1 @42473 has 13 MA's), (2, 42437), (3, 42422), (5, 42356), (6, 42284),

Gene: Big3_72 Start: 46609, Stop: 46349, Start Num: 1
Candidate Starts for Big3_72:
(Start: 1 @46609 has 13 MA's), (2, 46573), (3, 46558), (5, 46492), (6, 46420),

Gene: Bruns_74 Start: 44761, Stop: 44501, Start Num: 1
Candidate Starts for Bruns_74:
(Start: 1 @44761 has 13 MA's), (3, 44710), (5, 44644), (6, 44572),

Gene: Bxb1_64 Start: 42980, Stop: 42720, Start Num: 1
Candidate Starts for Bxb1_64:
(Start: 1 @42980 has 13 MA's), (2, 42944), (3, 42929), (5, 42863), (6, 42791),

Gene: DreamCatcher_75 Start: 45907, Stop: 45647, Start Num: 1
Candidate Starts for DreamCatcher_75:
(Start: 1 @45907 has 13 MA's), (3, 45856), (5, 45790), (6, 45718),

Gene: Francis47_72 Start: 47169, Stop: 46918, Start Num: 1
Candidate Starts for Francis47_72:
(Start: 1 @47169 has 13 MA's), (3, 47118), (5, 47052), (6, 46980),

Gene: Maroc7_73 Start: 46842, Stop: 46600, Start Num: 1
Candidate Starts for Maroc7_73:
(Start: 1 @46842 has 13 MA's), (4, 46770), (6, 46653),

Gene: MaryBeth_69 Start: 45039, Stop: 44779, Start Num: 1
Candidate Starts for MaryBeth_69:
(Start: 1 @45039 has 13 MA's), (3, 44988), (5, 44922), (6, 44850),

Gene: MetalQZJ_68 Start: 45039, Stop: 44779, Start Num: 1
Candidate Starts for MetalQZJ_68:

(Start: 1 @45039 has 13 MA's), (3, 44988), (5, 44922), (6, 44850),

Gene: PacerPaul_75 Start: 46536, Stop: 46285, Start Num: 1
Candidate Starts for PacerPaul_75:
(Start: 1 @46536 has 13 MA's), (3, 46485), (5, 46419), (6, 46347),

Gene: SkiPole_80 Start: 46192, Stop: 45932, Start Num: 1
Candidate Starts for SkiPole_80:
(Start: 1 @46192 has 13 MA's), (3, 46141), (5, 46075), (6, 46003),

Gene: SwissCheese_75 Start: 45231, Stop: 44971, Start Num: 1
Candidate Starts for SwissCheese_75:
(Start: 1 @45231 has 13 MA's), (3, 45180), (5, 45114), (6, 45042),