Pham 106774

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 106774 Report

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

Pham number 106774 has 13 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Zainub_77
• Track 2 : Superstar_73
• Track 3 : R4_70
• Track 4 : Daudau_67
• Track 5 : Omar_71
• Track 6 : Haizum_66, Tefunt_66, Nishikigoi_67
• Track 7 : BartholomewSD_72, Alvy_72
• Track 8 : Amethyst_66
• Track 9 : Diane_67
• Track 10 : Puginator_78

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

The start number called the most often in the published annotations is 9, it was called in 8 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alvy_72, Amethyst_66, BartholomewSD_72, Diane_67, Haizum_66, Nishikigoi_67, Omar_71, Puginator_78, Superstar_73, Tefunt_66, Zainub_77,

Genes that have the "Most Annotated" start but do not call it:
• Daudau_67,

Genes that do not have the "Most Annotated" start:
• R4_70,

Summary by start number:

Start 8:
• Found in 1 of 13 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: R4_70 (BD2),

Start 9:
• Found in 12 of 13 (92.3%) of genes in pham
• Manual Annotations of this start: 8 of 10
• Called 91.7% of time when present
• Phage (with cluster) where this start called: Alvy_72 (BD2), Amethyst_66 (BD2), BartholomewSD_72 (BD2), Diane_67 (BD2), Haizum_66 (BD2), Nishikigoi_67 (BD2), Omar_71 (BD2), Puginator_78 (BD2), Superstar_73 (BD2), Tefunt_66 (BD2), Zainub_77 (BD2),

Start 12:
• Found in 5 of 13 (38.5%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Daudau_67 (BD2),

Summary by clusters:

There is one cluster represented in this pham: BD2

Info for manual annotations of cluster BD2:
•Start number 8 was manually annotated 1 time for cluster BD2.
•Start number 9 was manually annotated 8 times for cluster BD2.
•Start number 12 was manually annotated 1 time for cluster BD2.

Gene Information:

Gene: Alvy_72 Start: 46532, Stop: 46098, Start Num: 9
Candidate Starts for Alvy_72:
(6, 46631), (Start: 9 @46532 has 8 MA's), (11, 46511), (26, 46106),

Gene: Amethyst_66 Start: 43542, Stop: 43123, Start Num: 9
Candidate Starts for Amethyst_66:
(6, 43659), (Start: 9 @43542 has 8 MA's), (15, 43449), (25, 43131),

Gene: BartholomewSD_72 Start: 45651, Stop: 45217, Start Num: 9
Candidate Starts for BartholomewSD_72:
(6, 45750), (Start: 9 @45651 has 8 MA's), (11, 45630), (26, 45225),

Gene: Daudau_67 Start: 44035, Stop: 43643, Start Num: 12
Candidate Starts for Daudau_67:
(1, 44479), (2, 44470), (3, 44458), (Start: 9 @44074 has 8 MA's), (11, 44047), (Start: 12 @44035 has 1 MA's), (13, 44020), (15, 43972), (16, 43969), (21, 43912), (25, 43651),

Gene: Diane_67 Start: 44627, Stop: 44208, Start Num: 9
Candidate Starts for Diane_67:
(6, 44744), (Start: 9 @44627 has 8 MA's), (Start: 12 @44597 has 1 MA's), (15, 44534), (25, 44216),

Gene: Haizum_66 Start: 44350, Stop: 43937, Start Num: 9
Candidate Starts for Haizum_66:
(Start: 9 @44350 has 8 MA's), (Start: 12 @44320 has 1 MA's), (15, 44257), (25, 43945),

Gene: Nishikigoi_67 Start: 44350, Stop: 43937, Start Num: 9
Candidate Starts for Nishikigoi_67:
(Start: 9 @44350 has 8 MA's), (Start: 12 @44320 has 1 MA's), (15, 44257), (25, 43945),

Gene: Omar_71 Start: 43283, Stop: 42861, Start Num: 9
Candidate Starts for Omar_71:
(7, 43343), (Start: 9 @43283 has 8 MA's), (15, 43190), (20, 43139),

Gene: Puginator_78 Start: 45243, Stop: 44818, Start Num: 9
Candidate Starts for Puginator_78:
(7, 45303), (Start: 9 @45243 has 8 MA's), (15, 45150), (25, 44829),

Gene: R4_70 Start: 45075, Stop: 44656, Start Num: 8
Candidate Starts for R4_70:
(6, 45189), (Start: 8 @45075 has 1 MA's), (11, 45051), (14, 45006), (15, 44976), (17, 44955), (18, 44952), (19, 44946), (22, 44907), (23, 44868), (25, 44670),

Gene: Superstar_73 Start: 44533, Stop: 44114, Start Num: 9
Candidate Starts for Superstar_73:
(4, 44878), (5, 44635), (Start: 9 @44533 has 8 MA's), (10, 44524), (11, 44512), (16, 44434), (24, 44209), (25, 44122),

Gene: Tefunt_66 Start: 44264, Stop: 43851, Start Num: 9
Candidate Starts for Tefunt_66:
(Start: 9 @44264 has 8 MA's), (Start: 12 @44234 has 1 MA's), (15, 44171), (25, 43859),

Gene: Zainub_77 Start: 45170, Stop: 44745, Start Num: 9
Candidate Starts for Zainub_77:
(Start: 9 @45170 has 8 MA's), (15, 45077), (25, 44756),