Pham 87286

1: Bexan_68 + 10

2: Settecandela_204

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 87286 Report

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

Pham number 87286 has 12 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Bexan_68, Makemake_76, PascalRango_71, Ichabod_76, Ashballer_75, Kykar_73, Lopton_72, Violet_68, BillKnuckles_67, DrFeelGood_69, StrongArm_69
• Track 2 : Settecandela_204

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

The start number called the most often in the published annotations is 2, it was called in 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ashballer_75, Bexan_68, BillKnuckles_67, DrFeelGood_69, Ichabod_76, Kykar_73, Lopton_72, Makemake_76, PascalRango_71, Settecandela_204, StrongArm_69, Violet_68,

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 2:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 12 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ashballer_75 (A1), Bexan_68 (A1), BillKnuckles_67 (A1), DrFeelGood_69 (A1), Ichabod_76 (A1), Kykar_73 (A1), Lopton_72 (A1), Makemake_76 (A1), PascalRango_71 (A1), Settecandela_204 (AA), StrongArm_69 (A1), Violet_68 (A1),

Summary by clusters:

There are 2 clusters represented in this pham: A1, AA,

Info for manual annotations of cluster A1:
•Start number 2 was manually annotated 11 times for cluster A1.

Info for manual annotations of cluster AA:
•Start number 2 was manually annotated 1 time for cluster AA.

Gene Information:
Gene: Ashballer_75 Start: 46108, Stop: 45800, Start Num: 2
Candidate Starts for Ashballer_75:
(Start: 2 @46108 has 12 MA's), (3, 46069), (6, 45904), (7, 45901), (11, 45850),

Gene: Bexan_68 Start: 45101, Stop: 44793, Start Num: 2
Candidate Starts for Bexan_68:
(Start: 2 @45101 has 12 MA's), (3, 45062), (6, 44897), (7, 44894), (11, 44843),

Gene: BillKnuckles_67 Start: 45304, Stop: 44996, Start Num: 2
Candidate Starts for BillKnuckles_67:
(Start: 2 @45304 has 12 MA's), (3, 45265), (6, 45100), (7, 45097), (11, 45046),

Gene: DrFeelGood_69 Start: 43619, Stop: 43311, Start Num: 2
Candidate Starts for DrFeelGood_69:
(Start: 2 @43619 has 12 MA's), (3, 43580), (6, 43415), (7, 43412), (11, 43361),

Gene: Ichabod_76 Start: 46183, Stop: 45875, Start Num: 2
Candidate Starts for Ichabod_76:
(Start: 2 @46183 has 12 MA's), (3, 46144), (6, 45979), (7, 45976), (11, 45925),

Gene: Kykar_73 Start: 45315, Stop: 45007, Start Num: 2
Candidate Starts for Kykar_73:
(Start: 2 @45315 has 12 MA's), (3, 45276), (6, 45111), (7, 45108), (11, 45057),

Gene: Lopton_72 Start: 46740, Stop: 46432, Start Num: 2
Candidate Starts for Lopton_72:
(Start: 2 @46740 has 12 MA's), (3, 46701), (6, 46536), (7, 46533), (11, 46482),

Gene: Makemake_76 Start: 46345, Stop: 46037, Start Num: 2
Candidate Starts for Makemake_76:
(Start: 2 @46345 has 12 MA's), (3, 46306), (6, 46141), (7, 46138), (11, 46087),

Gene: PascalRango_71 Start: 45166, Stop: 44858, Start Num: 2
Candidate Starts for PascalRango_71:
(Start: 2 @45166 has 12 MA's), (3, 45127), (6, 44962), (7, 44959), (11, 44908),

Gene: Settecandela_204 Start: 126904, Stop: 127230, Start Num: 2
Candidate Starts for Settecandela_204:
(1, 126844), (Start: 2 @126904 has 12 MA's), (3, 126955), (4, 127033), (5, 127075), (6, 127123), (7, 127126), (8, 127129), (9, 127150), (10, 127168), (11, 127177),

Gene: StrongArm_69 Start: 45229, Stop: 44921, Start Num: 2

Candidate Starts for StrongArm_69:
(Start: 2 @45229 has 12 MA's), (3, 45190), (6, 45025), (7, 45022), (11, 44971),

Gene: Violet_68 Start: 45940, Stop: 45632, Start Num: 2
Candidate Starts for Violet_68:
(Start: 2 @45940 has 12 MA's), (3, 45901), (6, 45736), (7, 45733), (11, 45682),