Pham 5013

1: Bipolar_61

2: Moonbeam_61 + 6

3: Demsculpinboyz_74 + 2

4: Renaud18_69 + 1

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 5013 Report

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

Pham number 5013 has 13 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Bipolar_61
• Track 2 : Moonbeam_61, Ms6_58, Emma_64, Byougenkin_61, Tweety_62, Flathead_63, Ovechkin_62
• Track 3 : Demsculpinboyz_74, Yoshi_76, ThetaBob_68
• Track 4 : Renaud18_69, Che9d_71

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 11 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Byougenkin_61, Che9d_71, Demsculpinboyz_74, Emma_64, Flathead_63, Moonbeam_61, Ms6_58, Ovechkin_62, Renaud18_69, ThetaBob_68, Tweety_62, Yoshi_76,

Genes that have the "Most Annotated" start but do not call it:
• Bipolar_61,

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

Summary by start number:

Start 1:
• Found in 13 of 13 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 7.7% of time when present
• Phage (with cluster) where this start called: Bipolar_61 (F1),

Start 2:
• Found in 13 of 13 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 12
• Called 92.3% of time when present

• Phage (with cluster) where this start called: Byougenkin_61 (F1), Che9d_71 (F2), Demsculpinboyz_74 (F2), Emma_64 (F1), Flathead_63 (F1), Moonbeam_61 (F1), Ms6_58 (F1), Ovechkin_62 (F1), Renaud18_69 (F4), ThetaBob_68 (F4), Tweety_62 (F1), Yoshi_76 (F2),

Summary by clusters:

There are 3 clusters represented in this pham: F1, F2, F4,

Info for manual annotations of cluster F1:
•Start number 1 was manually annotated 1 time for cluster F1.
•Start number 2 was manually annotated 6 times for cluster F1.

Info for manual annotations of cluster F2:
•Start number 2 was manually annotated 3 times for cluster F2.

Info for manual annotations of cluster F4:
•Start number 2 was manually annotated 2 times for cluster F4.

Gene Information:

Gene: Bipolar_61 Start: 40832, Stop: 40987, Start Num: 1
Candidate Starts for Bipolar_61:
(Start: 1 @40832 has 1 MA's), (Start: 2 @40841 has 11 MA's), (3, 40865), (5, 40925), (6, 40934),

Gene: Byougenkin_61 Start: 40723, Stop: 40869, Start Num: 2
Candidate Starts for Byougenkin_61:
(Start: 1 @40714 has 1 MA's), (Start: 2 @40723 has 11 MA's), (3, 40747), (5, 40807), (6, 40816),

Gene: Che9d_71 Start: 40961, Stop: 41107, Start Num: 2
Candidate Starts for Che9d_71:
(Start: 1 @40952 has 1 MA's), (Start: 2 @40961 has 11 MA's), (6, 41054),

Gene: Demsculpinboyz_74 Start: 40961, Stop: 41107, Start Num: 2
Candidate Starts for Demsculpinboyz_74:
(Start: 1 @40952 has 1 MA's), (Start: 2 @40961 has 11 MA's), (4, 41027), (6, 41054),

Gene: Emma_64 Start: 40753, Stop: 40899, Start Num: 2
Candidate Starts for Emma_64:
(Start: 1 @40744 has 1 MA's), (Start: 2 @40753 has 11 MA's), (3, 40777), (5, 40837), (6, 40846),

Gene: Flathead_63 Start: 41510, Stop: 41656, Start Num: 2
Candidate Starts for Flathead_63:
(Start: 1 @41501 has 1 MA's), (Start: 2 @41510 has 11 MA's), (3, 41534), (5, 41594), (6, 41603),

Gene: Moonbeam_61 Start: 40682, Stop: 40828, Start Num: 2
Candidate Starts for Moonbeam_61:
(Start: 1 @40673 has 1 MA's), (Start: 2 @40682 has 11 MA's), (3, 40706), (5, 40766), (6, 40775),

Gene: Ms6_58 Start: 36269, Stop: 36415, Start Num: 2
Candidate Starts for Ms6_58:

(Start: 1 @36260 has 1 MA's), (Start: 2 @36269 has 11 MA's), (3, 36293), (5, 36353), (6, 36362),

Gene: Ovechkin_62 Start: 41682, Stop: 41828, Start Num: 2
Candidate Starts for Ovechkin_62:
(Start: 1 @41673 has 1 MA's), (Start: 2 @41682 has 11 MA's), (3, 41706), (5, 41766), (6, 41775),

Gene: Renaud18_69 Start: 41834, Stop: 41980, Start Num: 2
Candidate Starts for Renaud18_69:
(Start: 1 @41825 has 1 MA's), (Start: 2 @41834 has 11 MA's), (6, 41927),

Gene: ThetaBob_68 Start: 42451, Stop: 42597, Start Num: 2
Candidate Starts for ThetaBob_68:
(Start: 1 @42442 has 1 MA's), (Start: 2 @42451 has 11 MA's), (4, 42517), (6, 42544),

Gene: Tweety_62 Start: 42111, Stop: 42257, Start Num: 2
Candidate Starts for Tweety_62:
(Start: 1 @42102 has 1 MA's), (Start: 2 @42111 has 11 MA's), (3, 42135), (5, 42195), (6, 42204),

Gene: Yoshi_76 Start: 42715, Stop: 42861, Start Num: 2
Candidate Starts for Yoshi_76:
(Start: 1 @42706 has 1 MA's), (Start: 2 @42715 has 11 MA's), (4, 42781), (6, 42808),