Pham 168728

3
4
8
9
1: AreFloNak_49 + 1
3
4
8
9
2: Brunswick_48
1
3
4
7
8
9
3: DevitoJr_47
3
4
7
8
9
4: ScienceWizSam_48
3
9
5: MiniBagel_47 + 1
4
5
6
8
6: Loretta_59 + 1
2
4
6
7: Paella_201 + 2

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 168728 Report

This analysis was run 07/09/24 on database version 566.

Pham number 168728 has 12 members, 3 are drafts.

Phages represented in each track:
• Track 1 : AreFloNak_49, Nivinsha_48
• Track 2 : Brunswick_48
• Track 3 : DevitoJr_47
• Track 4 : ScienceWizSam_48
• Track 5 : MiniBagel_47, CapnMurica_45
• Track 6 : Loretta_59, Ingrid_62
• Track 7 : Paella_201, Elver_197, Qui_201

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

The start number called the most often in the published annotations is 3, it was called in 5 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AreFloNak_49, Brunswick_48, CapnMurica_45, DevitoJr_47, MiniBagel_47, Nivinsha_48, ScienceWizSam_48,

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

Genes that do not have the "Most Annotated" start:
• Elver_197, Ingrid_62, Loretta_59, Paella_201, Qui_201,

Summary by start number:

Start 3:
• Found in 7 of 12 (58.3%) of genes in pham
• Manual Annotations of this start: 5 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AreFloNak_49 (AU1), Brunswick_48 (AU1), CapnMurica_45 (AU1), DevitoJr_47 (AU1), MiniBagel_47 (AU1), Nivinsha_48 (AU1), ScienceWizSam_48 (AU1),

Start 4:

• Found in 10 of 12 (83.3%) of genes in pham
• Manual Annotations of this start: 4 of 9
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Elver_197 (FK), Ingrid_62 (AU3), Loretta_59 (AU3), Paella_201 (FK), Qui_201 (FK),

Summary by clusters:

There are 3 clusters represented in this pham: AU1, AU3, FK,

Info for manual annotations of cluster AU1:
•Start number 3 was manually annotated 5 times for cluster AU1.

Info for manual annotations of cluster AU3:
•Start number 4 was manually annotated 2 times for cluster AU3.

Info for manual annotations of cluster FK:
•Start number 4 was manually annotated 2 times for cluster FK.

Gene Information:

Gene: AreFloNak_49 Start: 34627, Stop: 34830, Start Num: 3
Candidate Starts for AreFloNak_49:
(Start: 3 @34627 has 5 MA's), (Start: 4 @34639 has 4 MA's), (8, 34723), (9, 34765),

Gene: Brunswick_48 Start: 34511, Stop: 34714, Start Num: 3
Candidate Starts for Brunswick_48:
(Start: 3 @34511 has 5 MA's), (Start: 4 @34523 has 4 MA's), (8, 34607), (9, 34649),

Gene: CapnMurica_45 Start: 35410, Stop: 35613, Start Num: 3
Candidate Starts for CapnMurica_45:
(Start: 3 @35410 has 5 MA's), (9, 35548),

Gene: DevitoJr_47 Start: 34848, Stop: 35051, Start Num: 3
Candidate Starts for DevitoJr_47:
(1, 34815), (Start: 3 @34848 has 5 MA's), (Start: 4 @34860 has 4 MA's), (7, 34902), (8, 34944), (9, 34986),

Gene: Elver_197 Start: 94814, Stop: 94990, Start Num: 4
Candidate Starts for Elver_197:
(2, 94796), (Start: 4 @94814 has 4 MA's), (6, 94853),

Gene: Ingrid_62 Start: 42753, Stop: 42935, Start Num: 4
Candidate Starts for Ingrid_62:
(Start: 4 @42753 has 4 MA's), (5, 42780), (6, 42789), (8, 42837),

Gene: Loretta_59 Start: 42753, Stop: 42935, Start Num: 4
Candidate Starts for Loretta_59:
(Start: 4 @42753 has 4 MA's), (5, 42780), (6, 42789), (8, 42837),

Gene: MiniBagel_47 Start: 35392, Stop: 35595, Start Num: 3

Candidate Starts for MiniBagel_47:
(Start: 3 @35392 has 5 MA's), (9, 35530),

Gene: Nivinsha_48 Start: 34627, Stop: 34830, Start Num: 3
Candidate Starts for Nivinsha_48:
(Start: 3 @34627 has 5 MA's), (Start: 4 @34639 has 4 MA's), (8, 34723), (9, 34765),

Gene: Paella_201 Start: 95690, Stop: 95866, Start Num: 4
Candidate Starts for Paella_201:
(2, 95672), (Start: 4 @95690 has 4 MA's), (6, 95729),

Gene: Qui_201 Start: 95687, Stop: 95863, Start Num: 4
Candidate Starts for Qui_201:
(2, 95669), (Start: 4 @95687 has 4 MA's), (6, 95726),

Gene: ScienceWizSam_48 Start: 34735, Stop: 34938, Start Num: 3
Candidate Starts for ScienceWizSam_48:
(Start: 3 @34735 has 5 MA's), (Start: 4 @34747 has 4 MA's), (7, 34789), (8, 34831), (9, 34873),