Pham 6841


1
2
5
6
7
8
9
10
11
1: HC_61
1
2
5
6
7
8
9
10
11
2: Xula_60
1
2
5
6
7
8
9
10
11
3: Babsiella_66 + 2
1
2
5
6
7
8
9
10
11
12
4: Brujita_65
3
4
6
7
8
9
10
11
5: Ryadel_10

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 6841 Report

This analysis was run 04/05/24 on database version 557.

Pham number 6841 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : HC_61
• Track 2 : Xula_60
• Track 3 : Babsiella_66, Bartholomew_60, Venti_62
• Track 4 : Brujita_65
• Track 5 : Ryadel_10

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

The start number called the most often in the published annotations is 5, it was called in 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Babsiella_66, Bartholomew_60, Brujita_65, HC_61, Venti_62, Xula_60,

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

Genes that do not have the "Most Annotated" start:
• Ryadel_10,

Summary by start number:

Start 4:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ryadel_10 (O),

Start 5:
• Found in 6 of 7 (85.7%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Babsiella_66 (I1), Bartholomew_60 (P1), Brujita_65 (I1), HC_61 (I1), Venti_62 (P1), Xula_60 (I1),

Summary by clusters:

There are 3 clusters represented in this pham: I1, P1, O,

Info for manual annotations of cluster I1:
•Start number 5 was manually annotated 4 times for cluster I1.

Info for manual annotations of cluster O:
•Start number 4 was manually annotated 1 time for cluster O.

Info for manual annotations of cluster P1:
•Start number 5 was manually annotated 2 times for cluster P1.

Gene Information:

Gene: Babsiella_66 Start: 42132, Stop: 42428, Start Num: 5
Candidate Starts for Babsiella_66:
(1, 42009), (2, 42027), (Start: 5 @42132 has 6 MA's), (6, 42222), (7, 42243), (8, 42297), (9, 42303), (10, 42312), (11, 42321),

Gene: Bartholomew_60 Start: 40159, Stop: 40455, Start Num: 5
Candidate Starts for Bartholomew_60:
(1, 40036), (2, 40054), (Start: 5 @40159 has 6 MA's), (6, 40249), (7, 40270), (8, 40324), (9, 40330), (10, 40339), (11, 40348),

Gene: Brujita_65 Start: 42178, Stop: 42474, Start Num: 5
Candidate Starts for Brujita_65:
(1, 42067), (2, 42085), (Start: 5 @42178 has 6 MA's), (6, 42268), (7, 42289), (8, 42343), (9, 42349), (10, 42358), (11, 42367), (12, 42469),

Gene: HC_61 Start: 39684, Stop: 39980, Start Num: 5
Candidate Starts for HC_61:
(1, 39555), (2, 39573), (Start: 5 @39684 has 6 MA's), (6, 39774), (7, 39795), (8, 39849), (9, 39855), (10, 39864), (11, 39873),

Gene: Ryadel_10 Start: 3113, Stop: 2808, Start Num: 4
Candidate Starts for Ryadel_10:
(3, 3119), (Start: 4 @3113 has 1 MA's), (6, 3017), (7, 2996), (8, 2942), (9, 2936), (10, 2927), (11, 2918),

Gene: Venti_62 Start: 40159, Stop: 40455, Start Num: 5
Candidate Starts for Venti_62:
(1, 40036), (2, 40054), (Start: 5 @40159 has 6 MA's), (6, 40249), (7, 40270), (8, 40324), (9, 40330), (10, 40339), (11, 40348),

Gene: Xula_60 Start: 40986, Stop: 41282, Start Num: 5
Candidate Starts for Xula_60:
(1, 40857), (2, 40875), (Start: 5 @40986 has 6 MA's), (6, 41076), (7, 41097), (8, 41151), (9, 41157), (10, 41166), (11, 41175),