Pham 216931

1: AuntGwenStacy_30
2: Cracklewink_31
3: Bipper_31
4: Faiyaz_30
5: Hilltopfarm_30
6: Typha_30

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 216931 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216931 has 6 members, 2 are drafts.

Phages represented in each track:
• Track 1 : AuntGwenStacy_30
• Track 2 : Cracklewink_31
• Track 3 : Bipper_31
• Track 4 : Faiyaz_30
• Track 5 : Hilltopfarm_30
• Track 6 : Typha_30

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

The start number called the most often in the published annotations is 6, it was called in 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Hilltopfarm_30, Typha_30,

Genes that have the "Most Annotated" start but do not call it:
• AuntGwenStacy_30, Bipper_31, Cracklewink_31, Faiyaz_30,

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

Summary by start number:

Start 5:
• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 4
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Bipper_31 (Y), Cracklewink_31 (Y),

Start 6:
• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 4
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Hilltopfarm_30 (Y), Typha_30 (Y),

Start 8:
• Found in 4 of 6 (66.7%) of genes in pham
• No Manual Annotations of this start.
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Faiyaz_30 (Y),

Start 13:
• Found in 6 of 6 (100.0%) of genes in pham
• No Manual Annotations of this start.
• Called 16.7% of time when present
• Phage (with cluster) where this start called: AuntGwenStacy_30 (Y),

Summary by clusters:

There is one cluster represented in this pham: Y

Info for manual annotations of cluster Y:
•Start number 5 was manually annotated 2 times for cluster Y.
•Start number 6 was manually annotated 2 times for cluster Y.

Gene Information:

Gene: AuntGwenStacy_30 Start: 27603, Stop: 27782, Start Num: 13
Candidate Starts for AuntGwenStacy_30:
(4, 27231), (Start: 5 @27507 has 2 MA's), (Start: 6 @27510 has 2 MA's), (7, 27519), (8, 27537), (10, 27561), (11, 27564), (13, 27603), (14, 27606), (16, 27660), (17, 27663), (18, 27672), (20, 27732),

Gene: Bipper_31 Start: 28074, Stop: 28352, Start Num: 5
Candidate Starts for Bipper_31:
(1, 27636), (3, 27714), (Start: 5 @28074 has 2 MA's), (Start: 6 @28077 has 2 MA's), (9, 28119), (10, 28128), (11, 28131), (12, 28143), (13, 28170), (15, 28224), (16, 28227), (19, 28263), (21, 28329),

Gene: Cracklewink_31 Start: 28074, Stop: 28352, Start Num: 5
Candidate Starts for Cracklewink_31:
(Start: 5 @28074 has 2 MA's), (Start: 6 @28077 has 2 MA's), (9, 28119), (10, 28128), (11, 28131), (13, 28170), (15, 28224), (17, 28230), (19, 28263), (21, 28329),

Gene: Faiyaz_30 Start: 27537, Stop: 27782, Start Num: 8
Candidate Starts for Faiyaz_30:
(4, 27231), (Start: 5 @27507 has 2 MA's), (Start: 6 @27510 has 2 MA's), (7, 27519), (8, 27537), (10, 27561), (11, 27564), (13, 27603), (14, 27606), (16, 27660), (17, 27663), (18, 27672), (20, 27732),

Gene: Hilltopfarm_30 Start: 27540, Stop: 27812, Start Num: 6
Candidate Starts for Hilltopfarm_30:
(2, 27174), (4, 27261), (Start: 5 @27537 has 2 MA's), (Start: 6 @27540 has 2 MA's), (7, 27549), (8, 27567), (10, 27591), (11, 27594), (13, 27633), (14, 27636), (16, 27690), (17, 27693), (18, 27702), (20, 27762),

Gene: Typha_30 Start: 27510, Stop: 27782, Start Num: 6
Candidate Starts for Typha_30:

(4, 27231), (Start: 5 @27507 has 2 MA's), (Start: 6 @27510 has 2 MA's), (7, 27519), (8, 27537), (10, 27561), (11, 27564), (13, 27603), (14, 27606), (16, 27660), (17, 27663), (18, 27672), (20, 27732),