Pham 216827

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 216827 Report

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

Pham number 216827 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Bobby_46
• Track 2 : Ariel_46, Superphikiman_46, Lucky2013_46, MiaZeal_46, Courthouse_46, Porcelain_45
• Track 3 : Squint_45

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 6 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ariel_46, Courthouse_46, Lucky2013_46, MiaZeal_46, Porcelain_45, Superphikiman_46,

Genes that have the "Most Annotated" start but do not call it:
• Squint_45,

Genes that do not have the "Most Annotated" start:
• Bobby_46,

Summary by start number:

Start 6:
• Found in 7 of 8 (87.5%) of genes in pham
• Manual Annotations of this start: 6 of 8
• Called 85.7% of time when present
• Phage (with cluster) where this start called: Ariel_46 (J), Courthouse_46 (J), Lucky2013_46 (J), MiaZeal_46 (J), Porcelain_45 (J), Superphikiman_46 (J),

Start 7:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Bobby_46 (J), Squint_45 (J),

Summary by clusters:

There is one cluster represented in this pham: J

Info for manual annotations of cluster J:
•Start number 6 was manually annotated 6 times for cluster J.
•Start number 7 was manually annotated 2 times for cluster J.

Gene Information:
Gene: Ariel_46 Start: 36674, Stop: 37219, Start Num: 6
Candidate Starts for Ariel_46:
(1, 36455), (2, 36512), (3, 36590), (4, 36656), (5, 36671), (Start: 6 @36674 has 6 MA's), (Start: 7 @36731 has 2 MA's), (8, 36788), (11, 36938), (12, 37067), (14, 37175), (15, 37187), (16, 37190),

Gene: Bobby_46 Start: 39072, Stop: 39560, Start Num: 7
Candidate Starts for Bobby_46:
(Start: 7 @39072 has 2 MA's), (9, 39189), (10, 39252), (11, 39279), (13, 39441), (14, 39516), (16, 39531),

Gene: Courthouse_46 Start: 37078, Stop: 37623, Start Num: 6
Candidate Starts for Courthouse_46:
(1, 36859), (2, 36916), (3, 36994), (4, 37060), (5, 37075), (Start: 6 @37078 has 6 MA's), (Start: 7 @37135 has 2 MA's), (8, 37192), (11, 37342), (12, 37471), (14, 37579), (15, 37591), (16, 37594),

Gene: Lucky2013_46 Start: 37214, Stop: 37759, Start Num: 6
Candidate Starts for Lucky2013_46:
(1, 36995), (2, 37052), (3, 37130), (4, 37196), (5, 37211), (Start: 6 @37214 has 6 MA's), (Start: 7 @37271 has 2 MA's), (8, 37328), (11, 37478), (12, 37607), (14, 37715), (15, 37727), (16, 37730),

Gene: MiaZeal_46 Start: 36889, Stop: 37434, Start Num: 6
Candidate Starts for MiaZeal_46:
(1, 36670), (2, 36727), (3, 36805), (4, 36871), (5, 36886), (Start: 6 @36889 has 6 MA's), (Start: 7 @36946 has 2 MA's), (8, 37003), (11, 37153), (12, 37282), (14, 37390), (15, 37402), (16, 37405),

Gene: Porcelain_45 Start: 36889, Stop: 37434, Start Num: 6
Candidate Starts for Porcelain_45:
(1, 36670), (2, 36727), (3, 36805), (4, 36871), (5, 36886), (Start: 6 @36889 has 6 MA's), (Start: 7 @36946 has 2 MA's), (8, 37003), (11, 37153), (12, 37282), (14, 37390), (15, 37402), (16, 37405),

Gene: Squint_45 Start: 37065, Stop: 37553, Start Num: 7
Candidate Starts for Squint_45:
(1, 36789), (2, 36846), (3, 36924), (4, 36990), (5, 37005), (Start: 6 @37008 has 6 MA's), (Start: 7 @37065 has 2 MA's), (8, 37122), (11, 37272), (12, 37401), (14, 37509), (15, 37521), (16, 37524),

Gene: Superphikiman_46 Start: 37080, Stop: 37625, Start Num: 6
Candidate Starts for Superphikiman_46:
(1, 36861), (2, 36918), (3, 36996), (4, 37062), (5, 37077), (Start: 6 @37080 has 6 MA's), (Start: 7 @37137 has 2 MA's), (8, 37194), (11, 37344), (12, 37473), (14, 37581), (15, 37593), (16, 37596),