

Pham 310054



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 310054 Report

This analysis was run 09/05/26 on database version 662.

Pham number 310054 has 8 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Wilkos_94
- Track 2 : ShakeNBake_94, Lizz_94
- Track 3 : PHTowN_94
- Track 4 : Wentworth_93
- Track 5 : Creature_108
- Track 6 : Zuko_105
- Track 7 : KimJongPhill_97

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

The start number called the most often in the published annotations is 10, it was called in 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Lizz_94, PHTowN_94, ShakeNBake_94, Wentworth_93, Wilkos_94,

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

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

- Creature_108, KimJongPhill_97, Zuko_105,

Summary by start number:

Start 9:

- Found in 3 of 8 (37.5%) of genes in pham
- Manual Annotations of this start: 2 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Creature_108 (BR), KimJongPhill_97 (BR), Zuko_105 (BR),

Start 10:

- Found in 5 of 8 (62.5%) of genes in pham
- Manual Annotations of this start: 4 of 6

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Lizz_94 (BN), PHTowN_94 (BN), ShakeNBake_94 (BN), Wentworth_93 (BN), Wilkos_94 (BN),

Summary by clusters:

There are 2 clusters represented in this pham: BN, BR,

Info for manual annotations of cluster BN:

- Start number 10 was manually annotated 4 times for cluster BN.

Info for manual annotations of cluster BR:

- Start number 9 was manually annotated 2 times for cluster BR.

Gene Information:

Gene: Creature_108 Start: 74782, Stop: 75048, Start Num: 9

Candidate Starts for Creature_108:

(Start: 9 @74782 has 2 MA's), (11, 74812), (12, 74818), (13, 74893), (19, 74998),

Gene: KimJongPhill_97 Start: 71239, Stop: 70973, Start Num: 9

Candidate Starts for KimJongPhill_97:

(4, 71407), (6, 71308), (Start: 9 @71239 has 2 MA's), (11, 71209), (12, 71203), (13, 71128), (19, 71023), (20, 70990),

Gene: Lizz_94 Start: 61699, Stop: 61445, Start Num: 10

Candidate Starts for Lizz_94:

(1, 61957), (2, 61951), (3, 61885), (5, 61798), (8, 61759), (Start: 10 @61699 has 4 MA's), (11, 61678), (12, 61672), (13, 61597), (15, 61570),

Gene: PHTowN_94 Start: 61697, Stop: 61443, Start Num: 10

Candidate Starts for PHTowN_94:

(7, 61757), (Start: 10 @61697 has 4 MA's), (11, 61676), (12, 61670), (13, 61595), (15, 61568),

Gene: ShakeNBake_94 Start: 61724, Stop: 61470, Start Num: 10

Candidate Starts for ShakeNBake_94:

(1, 61982), (2, 61976), (3, 61910), (5, 61823), (8, 61784), (Start: 10 @61724 has 4 MA's), (11, 61703), (12, 61697), (13, 61622), (15, 61595),

Gene: Wentworth_93 Start: 60589, Stop: 60332, Start Num: 10

Candidate Starts for Wentworth_93:

(5, 60688), (8, 60649), (Start: 10 @60589 has 4 MA's), (11, 60568), (12, 60562), (15, 60460), (18, 60409),

Gene: Wilkos_94 Start: 60790, Stop: 60533, Start Num: 10

Candidate Starts for Wilkos_94:

(Start: 10 @60790 has 4 MA's), (11, 60769), (12, 60763), (15, 60661),

Gene: Zuko_105 Start: 75651, Stop: 75908, Start Num: 9

Candidate Starts for Zuko_105:

(Start: 9 @75651 has 2 MA's), (11, 75675), (13, 75756), (14, 75771), (16, 75786), (17, 75792),

