



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 88106 Report

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

Pham number 88106 has 11 members, 5 are drafts.

Phages represented in each track:

- Track 1 : UBSmoodge_37
- Track 2 : GMA6_21
- Track 3 : Hanem_36, Gray_36, ChisanaKitsune_32, Schomber_35, Kabocha_37, Chidiebere_36, Oogie_36
- Track 4 : FlyingTortilla_35, ScarletRaider_35

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

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

Genes that call this "Most Annotated" start:

- Chidiebere_36, ChisanaKitsune_32, FlyingTortilla_35, GMA6_21, Gray_36, Hanem_36, Kabocha_37, Oogie_36, ScarletRaider_35, Schomber_35, UBSmoodge_37,

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

-

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

-

Summary by start number:

Start 2:

- Found in 11 of 11 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Chidiebere_36 (DQ), ChisanaKitsune_32 (DQ), FlyingTortilla_35 (DQ), GMA6_21 (DQ), Gray_36 (DQ), Hanem_36 (DQ), Kabocha_37 (DQ), Oogie_36 (DQ), ScarletRaider_35 (DQ), Schomber_35 (DQ), UBSmoodge_37 (DQ),

Summary by clusters:

There is one cluster represented in this pham: DQ

Info for manual annotations of cluster DQ:

•Start number 2 was manually annotated 6 times for cluster DQ.

Gene Information:

Gene: Chidiebere_36 Start: 26750, Stop: 26944, Start Num: 2

Candidate Starts for Chidiebere_36:

(1, 26747), (Start: 2 @26750 has 6 MA's), (4, 26789), (5, 26846), (6, 26912), (7, 26918), (8, 26930),

Gene: ChisanaKitsune_32 Start: 25543, Stop: 25737, Start Num: 2

Candidate Starts for ChisanaKitsune_32:

(1, 25540), (Start: 2 @25543 has 6 MA's), (4, 25582), (5, 25639), (6, 25705), (7, 25711), (8, 25723),

Gene: FlyingTortilla_35 Start: 29610, Stop: 29801, Start Num: 2

Candidate Starts for FlyingTortilla_35:

(1, 29607), (Start: 2 @29610 has 6 MA's), (4, 29649), (5, 29706), (6, 29772), (7, 29778),

Gene: GMA6_21 Start: 18597, Stop: 18785, Start Num: 2

Candidate Starts for GMA6_21:

(Start: 2 @18597 has 6 MA's), (3, 18615), (4, 18633), (6, 18756), (7, 18762),

Gene: Gray_36 Start: 26750, Stop: 26944, Start Num: 2

Candidate Starts for Gray_36:

(1, 26747), (Start: 2 @26750 has 6 MA's), (4, 26789), (5, 26846), (6, 26912), (7, 26918), (8, 26930),

Gene: Hanem_36 Start: 26750, Stop: 26944, Start Num: 2

Candidate Starts for Hanem_36:

(1, 26747), (Start: 2 @26750 has 6 MA's), (4, 26789), (5, 26846), (6, 26912), (7, 26918), (8, 26930),

Gene: Kabocha_37 Start: 27563, Stop: 27757, Start Num: 2

Candidate Starts for Kabocha_37:

(1, 27560), (Start: 2 @27563 has 6 MA's), (4, 27602), (5, 27659), (6, 27725), (7, 27731), (8, 27743),

Gene: Oogie_36 Start: 28456, Stop: 28650, Start Num: 2

Candidate Starts for Oogie_36:

(1, 28453), (Start: 2 @28456 has 6 MA's), (4, 28495), (5, 28552), (6, 28618), (7, 28624), (8, 28636),

Gene: ScarletRaider_35 Start: 29637, Stop: 29828, Start Num: 2

Candidate Starts for ScarletRaider_35:

(1, 29634), (Start: 2 @29637 has 6 MA's), (4, 29676), (5, 29733), (6, 29799), (7, 29805),

Gene: Schomber_35 Start: 26500, Stop: 26694, Start Num: 2

Candidate Starts for Schomber_35:

(1, 26497), (Start: 2 @26500 has 6 MA's), (4, 26539), (5, 26596), (6, 26662), (7, 26668), (8, 26680),

Gene: UBSmoodge_37 Start: 29371, Stop: 29562, Start Num: 2

Candidate Starts for UBSmoodge_37:

(1, 29368), (Start: 2 @29371 has 6 MA's), (4, 29410), (5, 29467), (6, 29533), (7, 29539),

