

2	3	4	5
Dallas_82 + 4			

2	3	4	5
DmpstrDiver_83 + 3			

2	3	4	5
NihilNomen_84 + 7			

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 4423 Report

This analysis was run 04/28/24 on database version 559.

Pham number 4423 has 17 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Dallas_82, Ejimix_82, Schatzie_78, Hughesyang_83, ThreeRngTarjay_80
- Track 2 : DmpstrDiver_83, Kalah2_77, Wanda_86, Constella_69
- Track 3 : NihilNomen_84, Klein_82, Bombitas_72, Zelink_81, Phoebus_85, Halley_84, JuicyJay_81, Beem_83

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

The start number called the most often in the published annotations is 1, it was called in 13 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Beem_83, Bombitas_72, Dallas_82, Ejimix_82, Halley_84, Hughesyang_83, JuicyJay_81, Klein_82, NihilNomen_84, Phoebus_85, Schatzie_78, ThreeRngTarjay_80, Zelink_81,

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

- Constella_69, DmpstrDiver_83, Kalah2_77, Wanda_86,

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

-

Summary by start number:

Start 1:

- Found in 17 of 17 (100.0%) of genes in pham
- Manual Annotations of this start: 13 of 17
- Called 76.5% of time when present
- Phage (with cluster) where this start called: Beem_83 (J), Bombitas_72 (J), Dallas_82 (J), Ejimix_82 (J), Halley_84 (J), Hughesyang_83 (J), JuicyJay_81 (J), Klein_82 (J), NihilNomen_84 (J), Phoebus_85 (J), Schatzie_78 (J), ThreeRngTarjay_80 (J), Zelink_81 (J),

Start 2:

- Found in 9 of 17 (52.9%) of genes in pham

- Manual Annotations of this start: 4 of 17
- Called 44.4% of time when present
- Phage (with cluster) where this start called: Constella_69 (J), DmpstrDiver_83 (J), Kalah2_77 (J), Wanda_86 (J),

Summary by clusters:

There is one cluster represented in this pham: J

Info for manual annotations of cluster J:

- Start number 1 was manually annotated 13 times for cluster J.
- Start number 2 was manually annotated 4 times for cluster J.

Gene Information:

Gene: Beem_83 Start: 54501, Stop: 54983, Start Num: 1

Candidate Starts for Beem_83:

(Start: 1 @54501 has 13 MA's), (3, 54798), (4, 54894), (5, 54978),

Gene: Bombitas_72 Start: 51664, Stop: 52146, Start Num: 1

Candidate Starts for Bombitas_72:

(Start: 1 @51664 has 13 MA's), (3, 51961), (4, 52057), (5, 52141),

Gene: Constella_69 Start: 48641, Stop: 49120, Start Num: 2

Candidate Starts for Constella_69:

(Start: 1 @48638 has 13 MA's), (Start: 2 @48641 has 4 MA's), (3, 48935), (4, 49031), (5, 49115),

Gene: Dallas_82 Start: 53422, Stop: 53904, Start Num: 1

Candidate Starts for Dallas_82:

(Start: 1 @53422 has 13 MA's), (Start: 2 @53425 has 4 MA's), (3, 53719), (4, 53815), (5, 53899),

Gene: DmpstrDiver_83 Start: 53851, Stop: 54330, Start Num: 2

Candidate Starts for DmpstrDiver_83:

(Start: 1 @53848 has 13 MA's), (Start: 2 @53851 has 4 MA's), (3, 54145), (4, 54241), (5, 54325),

Gene: Ejimix_82 Start: 55290, Stop: 55772, Start Num: 1

Candidate Starts for Ejimix_82:

(Start: 1 @55290 has 13 MA's), (Start: 2 @55293 has 4 MA's), (3, 55587), (4, 55683), (5, 55767),

Gene: Halley_84 Start: 54501, Stop: 54983, Start Num: 1

Candidate Starts for Halley_84:

(Start: 1 @54501 has 13 MA's), (3, 54798), (4, 54894), (5, 54978),

Gene: Hughesyang_83 Start: 54459, Stop: 54941, Start Num: 1

Candidate Starts for Hughesyang_83:

(Start: 1 @54459 has 13 MA's), (Start: 2 @54462 has 4 MA's), (3, 54756), (4, 54852), (5, 54936),

Gene: JuicyJay_81 Start: 55635, Stop: 56117, Start Num: 1

Candidate Starts for JuicyJay_81:

(Start: 1 @55635 has 13 MA's), (3, 55932), (4, 56028), (5, 56112),

Gene: Kalah2_77 Start: 53797, Stop: 54276, Start Num: 2

Candidate Starts for Kalah2_77:

(Start: 1 @53794 has 13 MA's), (Start: 2 @53797 has 4 MA's), (3, 54091), (4, 54187), (5, 54271),

Gene: Klein_82 Start: 53220, Stop: 53702, Start Num: 1

Candidate Starts for Klein_82:

(Start: 1 @53220 has 13 MA's), (3, 53517), (4, 53613), (5, 53697),

Gene: NihilNomen_84 Start: 54588, Stop: 55070, Start Num: 1

Candidate Starts for NihilNomen_84:

(Start: 1 @54588 has 13 MA's), (3, 54885), (4, 54981), (5, 55065),

Gene: Phoebus_85 Start: 55770, Stop: 56252, Start Num: 1

Candidate Starts for Phoebus_85:

(Start: 1 @55770 has 13 MA's), (3, 56067), (4, 56163), (5, 56247),

Gene: Schatzie_78 Start: 53377, Stop: 53859, Start Num: 1

Candidate Starts for Schatzie_78:

(Start: 1 @53377 has 13 MA's), (Start: 2 @53380 has 4 MA's), (3, 53674), (4, 53770), (5, 53854),

Gene: ThreeRngTarjay_80 Start: 54662, Stop: 55144, Start Num: 1

Candidate Starts for ThreeRngTarjay_80:

(Start: 1 @54662 has 13 MA's), (Start: 2 @54665 has 4 MA's), (3, 54959), (4, 55055), (5, 55139),

Gene: Wanda_86 Start: 53532, Stop: 54011, Start Num: 2

Candidate Starts for Wanda_86:

(Start: 1 @53529 has 13 MA's), (Start: 2 @53532 has 4 MA's), (3, 53826), (4, 53922), (5, 54006),

Gene: Zelink_81 Start: 54974, Stop: 55456, Start Num: 1

Candidate Starts for Zelink_81:

(Start: 1 @54974 has 13 MA's), (3, 55271), (4, 55367), (5, 55451),