



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 107081 Report

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

Pham number 107081 has 7 members, 0 are drafts.

Phages represented in each track:

- Track 1 : OlympiaSaint_41, Eish_42, KingMidas_43, Scottish_42, Spoonbill_41, Dante_41
- Track 2 : Empress_42

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 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Dante_41, Eish_42, KingMidas_43, OlympiaSaint_41, Scottish_42, Spoonbill_41,

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

- Empress_42,

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

-

Summary by start number:

Start 5:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 14.3% of time when present
- Phage (with cluster) where this start called: Empress_42 (F1),

Start 6:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 7
- Called 85.7% of time when present
- Phage (with cluster) where this start called: Dante_41 (F1), Eish_42 (F1), KingMidas_43 (F1), OlympiaSaint_41 (F1), Scottish_42 (F1), Spoonbill_41 (F1),

Summary by clusters:

There is one cluster represented in this pham: F1

Info for manual annotations of cluster F1:

- Start number 5 was manually annotated 1 time for cluster F1.
- Start number 6 was manually annotated 6 times for cluster F1.

Gene Information:

Gene: Dante_41 Start: 31373, Stop: 31531, Start Num: 6

Candidate Starts for Dante_41:

(1, 31202), (2, 31205), (3, 31247), (4, 31286), (Start: 5 @31343 has 1 MA's), (Start: 6 @31373 has 6 MA's), (7, 31379), (8, 31391), (9, 31403), (10, 31421), (11, 31433), (12, 31502),

Gene: Eish_42 Start: 31961, Stop: 32119, Start Num: 6

Candidate Starts for Eish_42:

(1, 31790), (2, 31793), (3, 31835), (4, 31874), (Start: 5 @31931 has 1 MA's), (Start: 6 @31961 has 6 MA's), (7, 31967), (8, 31979), (9, 31991), (10, 32009), (11, 32021), (12, 32090),

Gene: Empress_42 Start: 32639, Stop: 32827, Start Num: 5

Candidate Starts for Empress_42:

(1, 32498), (2, 32501), (3, 32543), (4, 32582), (Start: 5 @32639 has 1 MA's), (Start: 6 @32669 has 6 MA's), (7, 32675), (8, 32687), (9, 32699), (10, 32717), (11, 32729), (12, 32798),

Gene: KingMidas_43 Start: 33086, Stop: 33244, Start Num: 6

Candidate Starts for KingMidas_43:

(1, 32915), (2, 32918), (3, 32960), (4, 32999), (Start: 5 @33056 has 1 MA's), (Start: 6 @33086 has 6 MA's), (7, 33092), (8, 33104), (9, 33116), (10, 33134), (11, 33146), (12, 33215),

Gene: OlympiaSaint_41 Start: 31705, Stop: 31863, Start Num: 6

Candidate Starts for OlympiaSaint_41:

(1, 31534), (2, 31537), (3, 31579), (4, 31618), (Start: 5 @31675 has 1 MA's), (Start: 6 @31705 has 6 MA's), (7, 31711), (8, 31723), (9, 31735), (10, 31753), (11, 31765), (12, 31834),

Gene: Scottish_42 Start: 32557, Stop: 32715, Start Num: 6

Candidate Starts for Scottish_42:

(1, 32386), (2, 32389), (3, 32431), (4, 32470), (Start: 5 @32527 has 1 MA's), (Start: 6 @32557 has 6 MA's), (7, 32563), (8, 32575), (9, 32587), (10, 32605), (11, 32617), (12, 32686),

Gene: Spoonbill_41 Start: 31516, Stop: 31674, Start Num: 6

Candidate Starts for Spoonbill_41:

(1, 31345), (2, 31348), (3, 31390), (4, 31429), (Start: 5 @31486 has 1 MA's), (Start: 6 @31516 has 6 MA's), (7, 31522), (8, 31534), (9, 31546), (10, 31564), (11, 31576), (12, 31645),