



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 88037 Report

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

Pham number 88037 has 10 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Kerry_33, Gill_33, FortCran_37, Gravy_33, Tanis_33, Artorias_33, Odesza_33, Cappybara_33, Magel_34
- Track 2 : Captrips_35

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

The start number called the most often in the published annotations is 9, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Artorias_33, Captrips_35, Cappybara_33, FortCran_37, Gill_33, Gravy_33, Kerry_33, Magel_34, Odesza_33, Tanis_33,

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 9:

- Found in 10 of 10 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Artorias_33 (DJ), Captrips_35 (DJ), Cappybara_33 (DJ), FortCran_37 (DJ), Gill_33 (DJ), Gravy_33 (DJ), Kerry_33 (DJ), Magel_34 (DJ), Odesza_33 (DJ), Tanis_33 (DJ),

Summary by clusters:

There is one cluster represented in this pham: DJ

Info for manual annotations of cluster DJ:

- Start number 9 was manually annotated 7 times for cluster DJ.

Gene Information:

Gene: Artorias_33 Start: 28529, Stop: 28648, Start Num: 9

Candidate Starts for Artorias_33:

(1, 28334), (2, 28337), (3, 28346), (4, 28367), (5, 28376), (6, 28442), (7, 28463), (8, 28469), (Start: 9 @28529 has 7 MA's),

Gene: Captrips_35 Start: 28565, Stop: 28684, Start Num: 9

Candidate Starts for Captrips_35:

(1, 28370), (2, 28373), (3, 28382), (4, 28403), (5, 28412), (6, 28478), (7, 28499), (8, 28505), (Start: 9 @28565 has 7 MA's), (10, 28619),

Gene: Capybara_33 Start: 28640, Stop: 28759, Start Num: 9

Candidate Starts for Capybara_33:

(1, 28445), (2, 28448), (3, 28457), (4, 28478), (5, 28487), (6, 28553), (7, 28574), (8, 28580), (Start: 9 @28640 has 7 MA's),

Gene: FortCran_37 Start: 28529, Stop: 28648, Start Num: 9

Candidate Starts for FortCran_37:

(1, 28334), (2, 28337), (3, 28346), (4, 28367), (5, 28376), (6, 28442), (7, 28463), (8, 28469), (Start: 9 @28529 has 7 MA's),

Gene: Gill_33 Start: 28652, Stop: 28771, Start Num: 9

Candidate Starts for Gill_33:

(1, 28457), (2, 28460), (3, 28469), (4, 28490), (5, 28499), (6, 28565), (7, 28586), (8, 28592), (Start: 9 @28652 has 7 MA's),

Gene: Gravy_33 Start: 28652, Stop: 28771, Start Num: 9

Candidate Starts for Gravy_33:

(1, 28457), (2, 28460), (3, 28469), (4, 28490), (5, 28499), (6, 28565), (7, 28586), (8, 28592), (Start: 9 @28652 has 7 MA's),

Gene: Kerry_33 Start: 28652, Stop: 28771, Start Num: 9

Candidate Starts for Kerry_33:

(1, 28457), (2, 28460), (3, 28469), (4, 28490), (5, 28499), (6, 28565), (7, 28586), (8, 28592), (Start: 9 @28652 has 7 MA's),

Gene: Magel_34 Start: 28560, Stop: 28679, Start Num: 9

Candidate Starts for Magel_34:

(1, 28365), (2, 28368), (3, 28377), (4, 28398), (5, 28407), (6, 28473), (7, 28494), (8, 28500), (Start: 9 @28560 has 7 MA's),

Gene: Odesza_33 Start: 28652, Stop: 28771, Start Num: 9

Candidate Starts for Odesza_33:

(1, 28457), (2, 28460), (3, 28469), (4, 28490), (5, 28499), (6, 28565), (7, 28586), (8, 28592), (Start: 9 @28652 has 7 MA's),

Gene: Tanis_33 Start: 28502, Stop: 28621, Start Num: 9

Candidate Starts for Tanis_33:

(1, 28307), (2, 28310), (3, 28319), (4, 28340), (5, 28349), (6, 28415), (7, 28436), (8, 28442), (Start: 9
@28502 has 7 MA's),