



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 223781 Report

This analysis was run 03/28/25 on database version 593.

Pham number 223781 has 6 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Tiamoceli_53, RoadKill_50, Twonlo_50
- Track 2 : GTE6_53
- Track 3 : Dxdert_54
- Track 4 : EdmundFerry_51

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 4 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Dxdert_54, GTE6_53, RoadKill_50, Tiamoceli_53, Twonlo_50,

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

- EdmundFerry_51,

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

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Summary by start number:

Start 5:

- Found in 6 of 6 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 16.7% of time when present
- Phage (with cluster) where this start called: EdmundFerry_51 (DE3),

Start 6:

- Found in 6 of 6 (100.0%) of genes in pham
- Manual Annotations of this start: 4 of 5
- Called 83.3% of time when present
- Phage (with cluster) where this start called: Dxdert_54 (DE3), GTE6_53 (DE3), RoadKill_50 (DE3), Tiamoceli_53 (DE3), Twonlo_50 (DE3),

Summary by clusters:

There is one cluster represented in this pham: DE3

Info for manual annotations of cluster DE3:

- Start number 5 was manually annotated 1 time for cluster DE3.
- Start number 6 was manually annotated 4 times for cluster DE3.

Gene Information:

Gene: Dextert_54 Start: 41930, Stop: 42925, Start Num: 6

Candidate Starts for Dextert_54:

(2, 41891), (Start: 5 @41924 has 1 MA's), (Start: 6 @41930 has 4 MA's), (7, 42005), (8, 42119), (9, 42278), (10, 42473), (11, 42491),

Gene: EdmundFerry_51 Start: 41584, Stop: 42585, Start Num: 5

Candidate Starts for EdmundFerry_51:

(Start: 5 @41584 has 1 MA's), (Start: 6 @41590 has 4 MA's), (7, 41665), (8, 41779), (9, 41938), (10, 42133), (11, 42151),

Gene: GTE6_53 Start: 42181, Stop: 43176, Start Num: 6

Candidate Starts for GTE6_53:

(1, 41935), (3, 42040), (4, 42142), (Start: 5 @42175 has 1 MA's), (Start: 6 @42181 has 4 MA's), (7, 42256), (8, 42370), (9, 42529), (10, 42724), (11, 42742),

Gene: RoadKill_50 Start: 41088, Stop: 42083, Start Num: 6

Candidate Starts for RoadKill_50:

(Start: 5 @41082 has 1 MA's), (Start: 6 @41088 has 4 MA's), (7, 41163), (8, 41277), (9, 41436), (10, 41631), (11, 41649),

Gene: Tiamoceli_53 Start: 42379, Stop: 43374, Start Num: 6

Candidate Starts for Tiamoceli_53:

(Start: 5 @42373 has 1 MA's), (Start: 6 @42379 has 4 MA's), (7, 42454), (8, 42568), (9, 42727), (10, 42922), (11, 42940),

Gene: Twonlo_50 Start: 41009, Stop: 42004, Start Num: 6

Candidate Starts for Twonlo_50:

(Start: 5 @41003 has 1 MA's), (Start: 6 @41009 has 4 MA's), (7, 41084), (8, 41198), (9, 41357), (10, 41552), (11, 41570),