



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 6648 Report

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

Pham number 6648 has 8 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Piccadilly_52, Eastland_52, Vondra_51, Cumberbatch_53, Eklok_52
- Track 2 : Ignacio_52, AxeJC_52, HFrancette_53

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 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AxeJC_52, Cumberbatch_53, Eastland_52, Eklok_52, HFrancette_53, Ignacio_52, Piccadilly_52, Vondra_51,

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 6:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 8 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AxeJC_52 (BP), Cumberbatch_53 (BP), Eastland_52 (BP), Eklok_52 (BP), HFrancette_53 (BP), Ignacio_52 (BP), Piccadilly_52 (BP), Vondra_51 (BP),

Summary by clusters:

There is one cluster represented in this pham: BP

Info for manual annotations of cluster BP:

- Start number 6 was manually annotated 8 times for cluster BP.

Gene Information:

Gene: AxeJC_52 Start: 33489, Stop: 33824, Start Num: 6

Candidate Starts for AxeJC_52:

(2, 33276), (3, 33303), (4, 33339), (5, 33414), (Start: 6 @33489 has 8 MA's), (7, 33714), (8, 33735),

Gene: Cumberbatch_53 Start: 33373, Stop: 33708, Start Num: 6

Candidate Starts for Cumberbatch_53:

(1, 32932), (2, 33160), (3, 33187), (4, 33223), (5, 33298), (Start: 6 @33373 has 8 MA's), (7, 33598), (8, 33619),

Gene: Eastland_52 Start: 33333, Stop: 33668, Start Num: 6

Candidate Starts for Eastland_52:

(1, 32892), (2, 33120), (3, 33147), (4, 33183), (5, 33258), (Start: 6 @33333 has 8 MA's), (7, 33558), (8, 33579),

Gene: Eklok_52 Start: 33132, Stop: 33467, Start Num: 6

Candidate Starts for Eklok_52:

(1, 32691), (2, 32919), (3, 32946), (4, 32982), (5, 33057), (Start: 6 @33132 has 8 MA's), (7, 33357), (8, 33378),

Gene: HFrancette_53 Start: 34021, Stop: 34356, Start Num: 6

Candidate Starts for HFrancette_53:

(2, 33808), (3, 33835), (4, 33871), (5, 33946), (Start: 6 @34021 has 8 MA's), (7, 34246), (8, 34267),

Gene: Ignacio_52 Start: 33924, Stop: 34259, Start Num: 6

Candidate Starts for Ignacio_52:

(2, 33711), (3, 33738), (4, 33774), (5, 33849), (Start: 6 @33924 has 8 MA's), (7, 34149), (8, 34170),

Gene: Piccadilly_52 Start: 33332, Stop: 33667, Start Num: 6

Candidate Starts for Piccadilly_52:

(1, 32891), (2, 33119), (3, 33146), (4, 33182), (5, 33257), (Start: 6 @33332 has 8 MA's), (7, 33557), (8, 33578),

Gene: Vondra_51 Start: 32918, Stop: 33253, Start Num: 6

Candidate Starts for Vondra_51:

(1, 32477), (2, 32705), (3, 32732), (4, 32768), (5, 32843), (Start: 6 @32918 has 8 MA's), (7, 33143), (8, 33164),