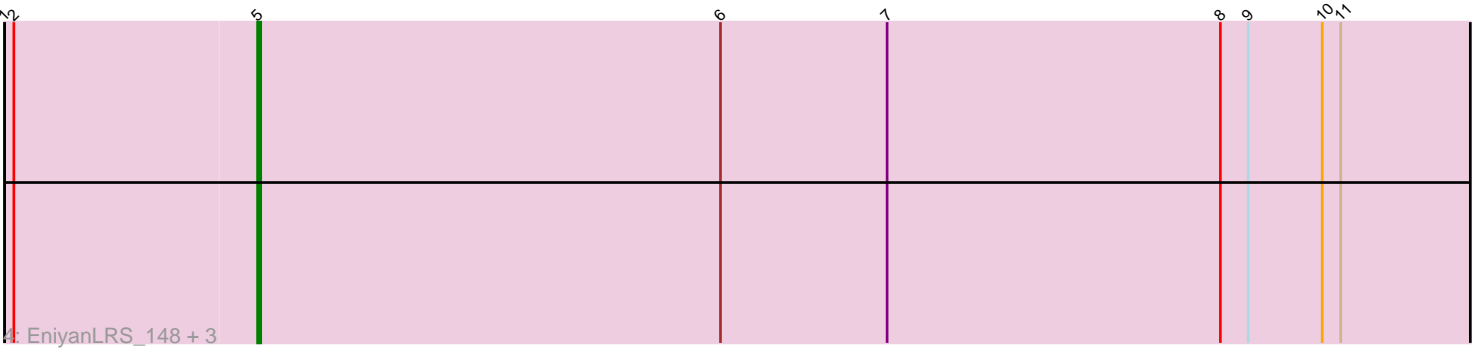
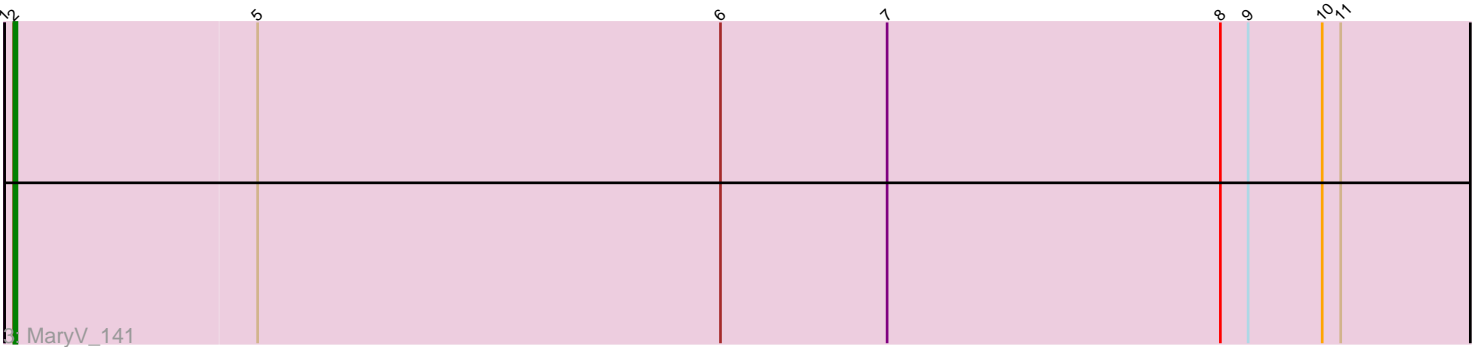
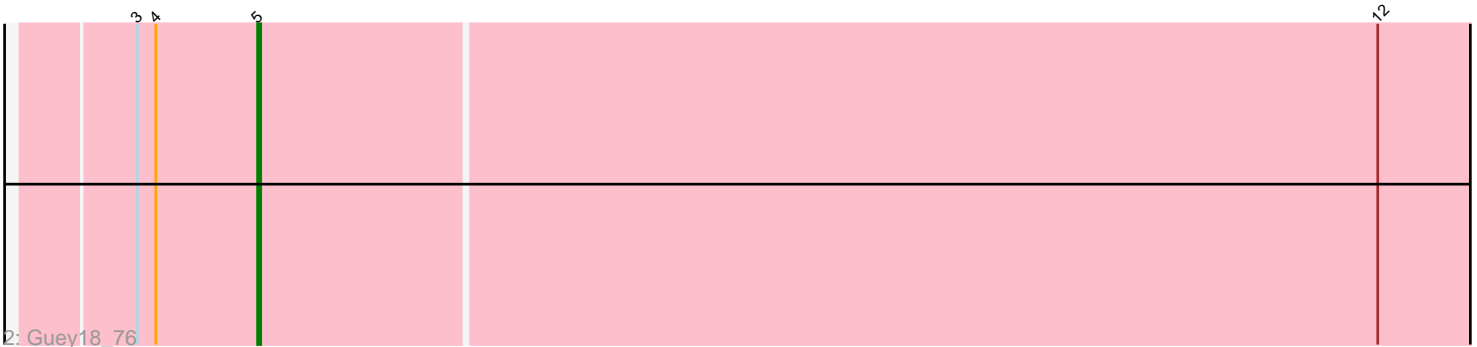
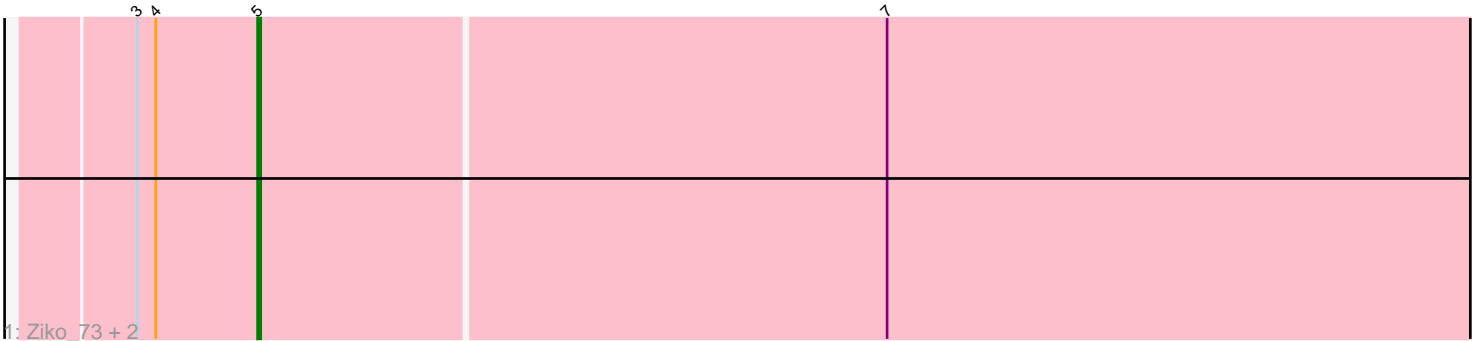


Pham 6481



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 6481 Report

This analysis was run 04/05/24 on database version 557.

Pham number 6481 has 9 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Ziko_73, Volt_73, Ronaldo_73
- Track 2 : Guey18_76
- Track 3 : MaryV_141
- Track 4 : EniyanLRS_148, Azrael100_148, Wildcat_155, Cosmo_156

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

The start number called the most often in the published annotations is 5, it was called in 8 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Azrael100_148, Cosmo_156, EniyanLRS_148, Guey18_76, Ronaldo_73, Volt_73, Wildcat_155, Ziko_73,

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

- MaryV_141,

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

-

Summary by start number:

Start 2:

- Found in 5 of 9 (55.6%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 20.0% of time when present
- Phage (with cluster) where this start called: MaryV_141 (V),

Start 5:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 8 of 9
- Called 88.9% of time when present
- Phage (with cluster) where this start called: Azrael100_148 (V), Cosmo_156 (V), EniyanLRS_148 (V), Guey18_76 (DP), Ronaldo_73 (DP), Volt_73 (DP), Wildcat_155

(V), Ziko_73 (DP),

Summary by clusters:

There are 2 clusters represented in this pham: DP, V,

Info for manual annotations of cluster DP:

- Start number 5 was manually annotated 4 times for cluster DP.

Info for manual annotations of cluster V:

- Start number 2 was manually annotated 1 time for cluster V.
- Start number 5 was manually annotated 4 times for cluster V.

Gene Information:

Gene: Azrael100_148 Start: 70725, Stop: 70321, Start Num: 5

Candidate Starts for Azrael100_148:

(1, 70806), (Start: 2 @70803 has 1 MA's), (Start: 5 @70725 has 8 MA's), (6, 70575), (7, 70521), (8, 70413), (9, 70404), (10, 70380), (11, 70374),

Gene: Cosmo_156 Start: 70889, Stop: 70485, Start Num: 5

Candidate Starts for Cosmo_156:

(1, 70970), (Start: 2 @70967 has 1 MA's), (Start: 5 @70889 has 8 MA's), (6, 70739), (7, 70685), (8, 70577), (9, 70568), (10, 70544), (11, 70538),

Gene: EniyanLRS_148 Start: 71218, Stop: 70814, Start Num: 5

Candidate Starts for EniyanLRS_148:

(1, 71299), (Start: 2 @71296 has 1 MA's), (Start: 5 @71218 has 8 MA's), (6, 71068), (7, 71014), (8, 70906), (9, 70897), (10, 70873), (11, 70867),

Gene: Guey18_76 Start: 40054, Stop: 39653, Start Num: 5

Candidate Starts for Guey18_76:

(3, 40093), (4, 40087), (Start: 5 @40054 has 8 MA's), (12, 39694),

Gene: MaryV_141 Start: 69145, Stop: 68663, Start Num: 2

Candidate Starts for MaryV_141:

(1, 69148), (Start: 2 @69145 has 1 MA's), (Start: 5 @69067 has 8 MA's), (6, 68917), (7, 68863), (8, 68755), (9, 68746), (10, 68722), (11, 68716),

Gene: Ronaldo_73 Start: 39424, Stop: 39023, Start Num: 5

Candidate Starts for Ronaldo_73:

(3, 39463), (4, 39457), (Start: 5 @39424 has 8 MA's), (7, 39223),

Gene: Volt_73 Start: 39588, Stop: 39187, Start Num: 5

Candidate Starts for Volt_73:

(3, 39627), (4, 39621), (Start: 5 @39588 has 8 MA's), (7, 39387),

Gene: Wildcat_155 Start: 70960, Stop: 70556, Start Num: 5

Candidate Starts for Wildcat_155:

(1, 71041), (Start: 2 @71038 has 1 MA's), (Start: 5 @70960 has 8 MA's), (6, 70810), (7, 70756), (8, 70648), (9, 70639), (10, 70615), (11, 70609),

Gene: Ziko_73 Start: 39410, Stop: 39009, Start Num: 5

Candidate Starts for Ziko_73:

(3, 39449), (4, 39443), (Start: 5 @39410 has 8 MA's), (7, 39209),