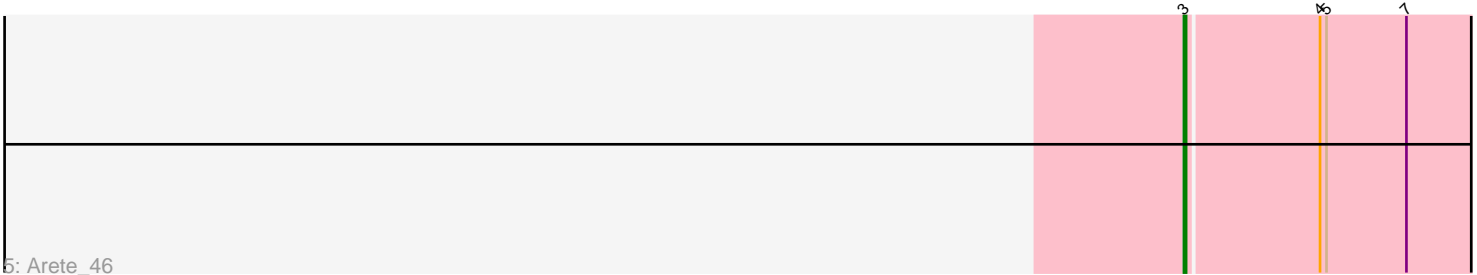
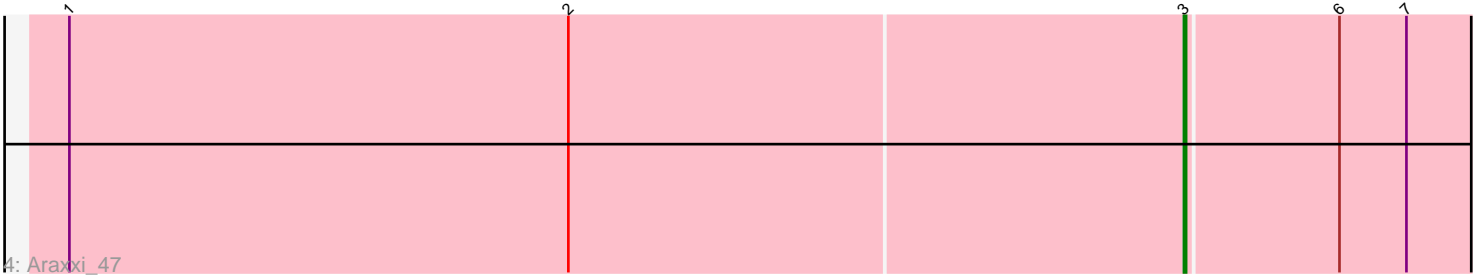
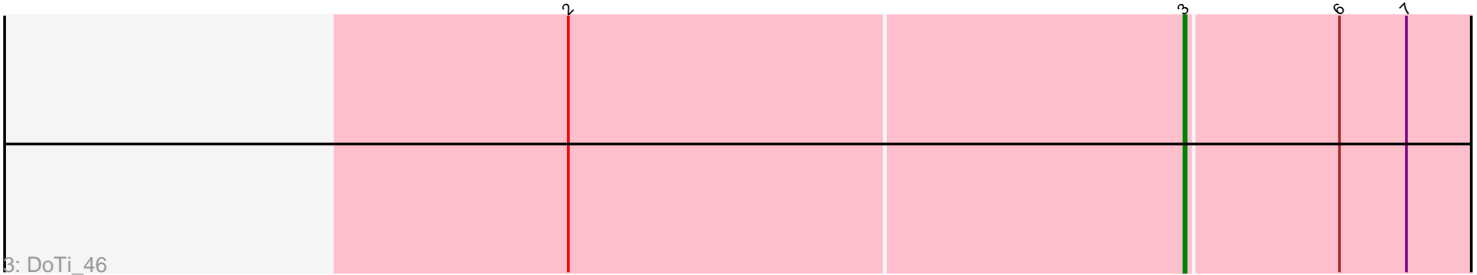
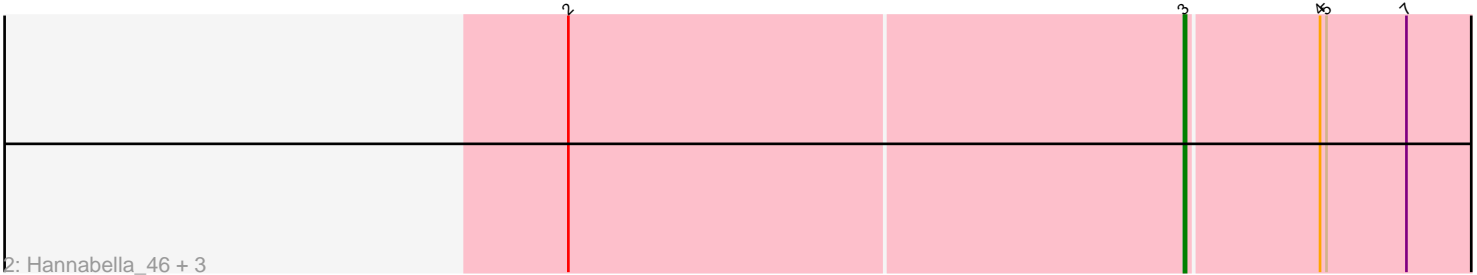


Pham 87894



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 87894 Report

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

Pham number 87894 has 8 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Burro_46
- Track 2 : Hannabella_46, Casino_46, Scruffy_46, Gshelby23_44
- Track 3 : DoTi_46
- Track 4 : Araxxi_47
- Track 5 : Arete_46

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

The start number called the most often in the published annotations is 3, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Araxxi_47, Arete_46, Burro_46, Casino_46, DoTi_46, Gshelby23_44, Hannabella_46, Scruffy_46,

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 3:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Araxxi_47 (EM1), Arete_46 (EM1), Burro_46 (EM1), Casino_46 (EM1), DoTi_46 (EM1), Gshelby23_44 (EM1), Hannabella_46 (EM1), Scruffy_46 (EM1),

Summary by clusters:

There is one cluster represented in this pham: EM1

Info for manual annotations of cluster EM1:

- Start number 3 was manually annotated 6 times for cluster EM1.

Gene Information:

Gene: Araxxi_47 Start: 51670, Stop: 51801, Start Num: 3

Candidate Starts for Araxxi_47:

(1, 51157), (2, 51388), (Start: 3 @51670 has 6 MA's), (6, 51739), (7, 51769),

Gene: Arete_46 Start: 51381, Stop: 51512, Start Num: 3

Candidate Starts for Arete_46:

(Start: 3 @51381 has 6 MA's), (4, 51441), (5, 51444), (7, 51480),

Gene: Burro_46 Start: 52157, Stop: 52291, Start Num: 3

Candidate Starts for Burro_46:

(2, 51872), (Start: 3 @52157 has 6 MA's), (4, 52220), (5, 52223),

Gene: Casino_46 Start: 51356, Stop: 51487, Start Num: 3

Candidate Starts for Casino_46:

(2, 51074), (Start: 3 @51356 has 6 MA's), (4, 51416), (5, 51419), (7, 51455),

Gene: DoTi_46 Start: 51772, Stop: 51903, Start Num: 3

Candidate Starts for DoTi_46:

(2, 51490), (Start: 3 @51772 has 6 MA's), (6, 51841), (7, 51871),

Gene: Gshelby23_44 Start: 51292, Stop: 51423, Start Num: 3

Candidate Starts for Gshelby23_44:

(2, 51010), (Start: 3 @51292 has 6 MA's), (4, 51352), (5, 51355), (7, 51391),

Gene: Hannabella_46 Start: 51332, Stop: 51463, Start Num: 3

Candidate Starts for Hannabella_46:

(2, 51050), (Start: 3 @51332 has 6 MA's), (4, 51392), (5, 51395), (7, 51431),

Gene: Scruffy_46 Start: 51617, Stop: 51748, Start Num: 3

Candidate Starts for Scruffy_46:

(2, 51335), (Start: 3 @51617 has 6 MA's), (4, 51677), (5, 51680), (7, 51716),