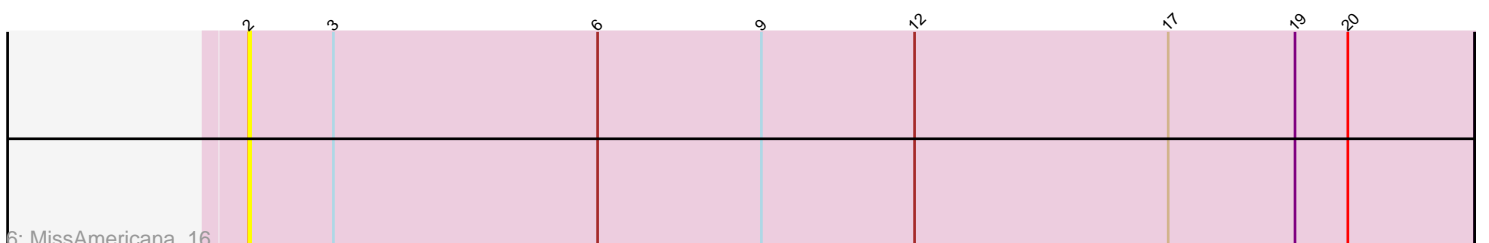
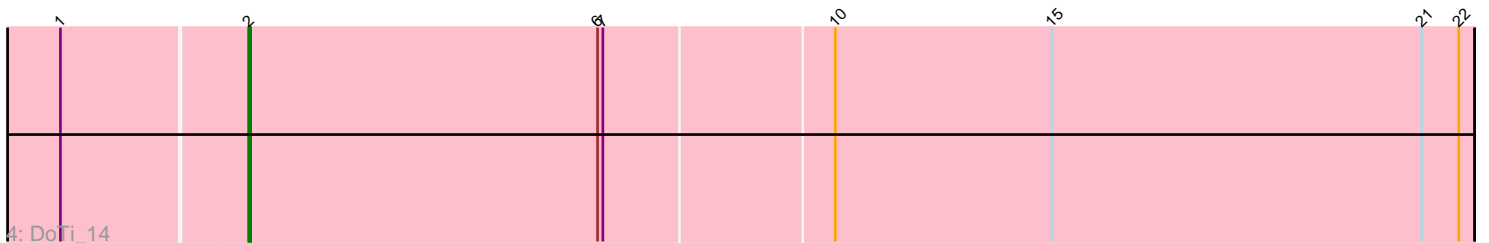
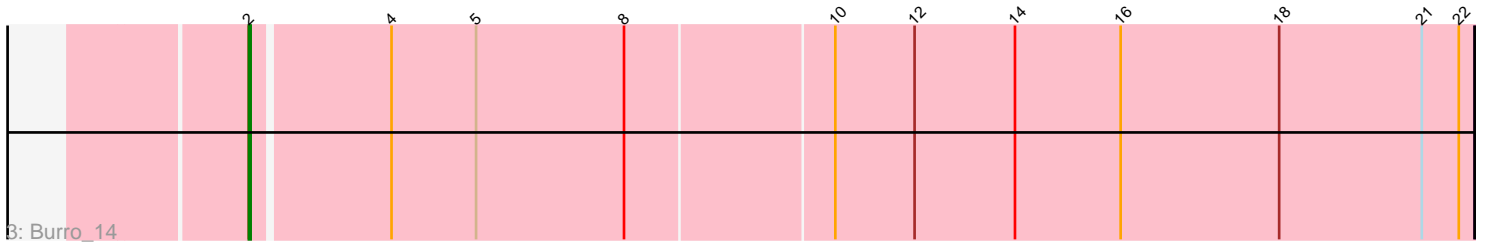
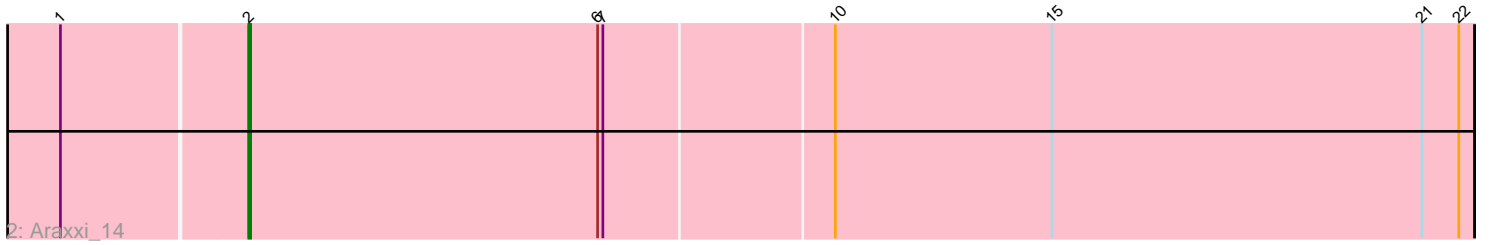
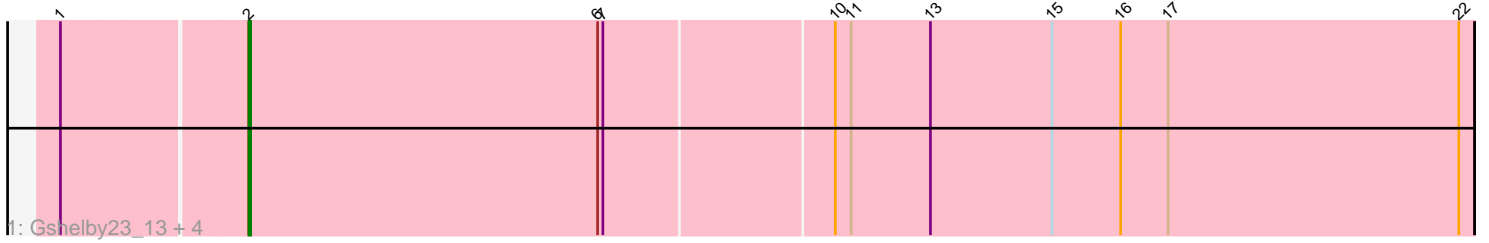


Pham 6826



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 6826 Report

This analysis was run 07/09/24 on database version 566.

Pham number 6826 has 10 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Gshelby23_13, Casino_13, Arete_15, Hannabella_14, Scruffy_14
- Track 2 : Araxxi_14
- Track 3 : Burro_14
- Track 4 : DoTi_14
- Track 5 : Kikiko_16
- Track 6 : MissAmericana_16

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

The start number called the most often in the published annotations is 2, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Araxxi_14, Arete_15, Burro_14, Casino_13, DoTi_14, Gshelby23_13, Hannabella_14, Kikiko_16, MissAmericana_16, Scruffy_14,

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 2:

- 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: Araxxi_14 (EM1), Arete_15 (EM1), Burro_14 (EM1), Casino_13 (EM1), DoTi_14 (EM1), Gshelby23_13 (EM1), Hannabella_14 (EM1), Kikiko_16 (EM2), MissAmericana_16 (EM2), Scruffy_14 (EM1),

Summary by clusters:

There are 2 clusters represented in this pham: EM1, EM2,

Info for manual annotations of cluster EM1:

•Start number 2 was manually annotated 7 times for cluster EM1.

Gene Information:

Gene: Araxxi_14 Start: 10738, Stop: 10049, Start Num: 2

Candidate Starts for Araxxi_14:

(1, 10837), (Start: 2 @10738 has 7 MA's), (6, 10540), (7, 10537), (10, 10411), (15, 10288), (21, 10078), (22, 10057),

Gene: Arete_15 Start: 10667, Stop: 9978, Start Num: 2

Candidate Starts for Arete_15:

(1, 10766), (Start: 2 @10667 has 7 MA's), (6, 10469), (7, 10466), (10, 10340), (11, 10331), (13, 10286), (15, 10217), (16, 10178), (17, 10151), (22, 9986),

Gene: Burro_14 Start: 9958, Stop: 9275, Start Num: 2

Candidate Starts for Burro_14:

(Start: 2 @9958 has 7 MA's), (4, 9883), (5, 9835), (8, 9751), (10, 9637), (12, 9592), (14, 9535), (16, 9475), (18, 9385), (21, 9304), (22, 9283),

Gene: Casino_13 Start: 10495, Stop: 9806, Start Num: 2

Candidate Starts for Casino_13:

(1, 10594), (Start: 2 @10495 has 7 MA's), (6, 10297), (7, 10294), (10, 10168), (11, 10159), (13, 10114), (15, 10045), (16, 10006), (17, 9979), (22, 9814),

Gene: DoTi_14 Start: 10732, Stop: 10043, Start Num: 2

Candidate Starts for DoTi_14:

(1, 10831), (Start: 2 @10732 has 7 MA's), (6, 10534), (7, 10531), (10, 10405), (15, 10282), (21, 10072), (22, 10051),

Gene: Gshelby23_13 Start: 10613, Stop: 9924, Start Num: 2

Candidate Starts for Gshelby23_13:

(1, 10712), (Start: 2 @10613 has 7 MA's), (6, 10415), (7, 10412), (10, 10286), (11, 10277), (13, 10232), (15, 10163), (16, 10124), (17, 10097), (22, 9932),

Gene: Hannabella_14 Start: 10493, Stop: 9804, Start Num: 2

Candidate Starts for Hannabella_14:

(1, 10592), (Start: 2 @10493 has 7 MA's), (6, 10295), (7, 10292), (10, 10166), (11, 10157), (13, 10112), (15, 10043), (16, 10004), (17, 9977), (22, 9812),

Gene: Kikiko_16 Start: 11336, Stop: 10641, Start Num: 2

Candidate Starts for Kikiko_16:

(Start: 2 @11336 has 7 MA's), (6, 11138), (12, 10958), (17, 10814), (19, 10742), (20, 10712),

Gene: MissAmericana_16 Start: 11108, Stop: 10413, Start Num: 2

Candidate Starts for MissAmericana_16:

(Start: 2 @11108 has 7 MA's), (3, 11060), (6, 10910), (9, 10817), (12, 10730), (17, 10586), (19, 10514), (20, 10484),

Gene: Scruffy_14 Start: 10892, Stop: 10203, Start Num: 2

Candidate Starts for Scruffy_14:

(1, 10991), (Start: 2 @10892 has 7 MA's), (6, 10694), (7, 10691), (10, 10565), (11, 10556), (13, 10511), (15, 10442), (16, 10403), (17, 10376), (22, 10211),