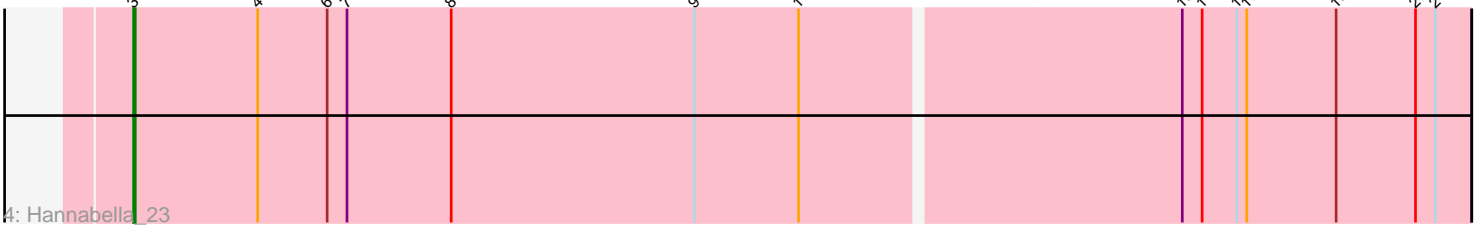
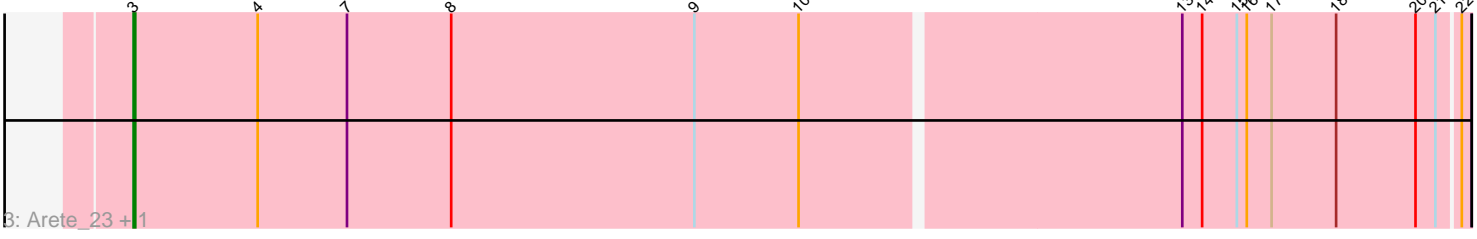
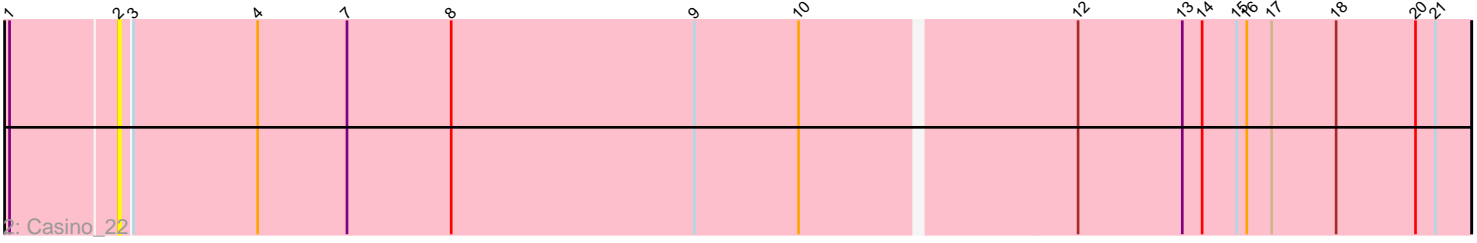
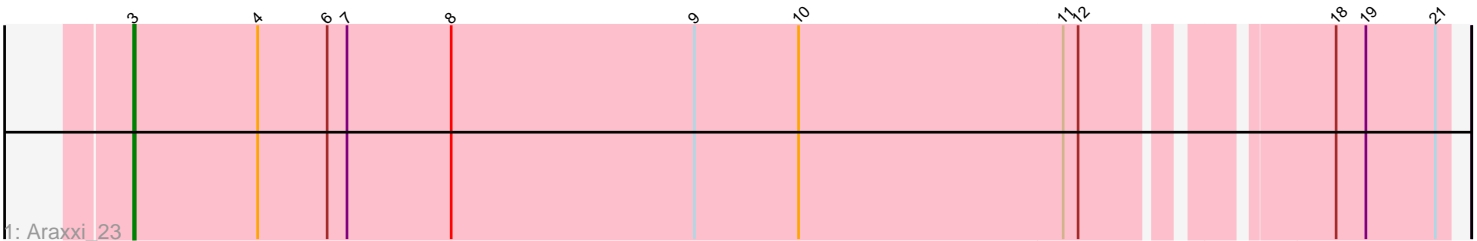


Pham 88020



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 88020 Report

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

Pham number 88020 has 7 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Araxxi_23
- Track 2 : Casino_22
- Track 3 : Arete_23, Scruffy_23
- Track 4 : Hannabella_23
- Track 5 : DoTi_23
- Track 6 : Gshelby23_21

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

Genes that call this "Most Annotated" start:

- Araxxi_23, Arete_23, DoTi_23, Gshelby23_21, Hannabella_23, Scruffy_23,

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

- Casino_22,

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

-

Summary by start number:

Start 2:

- Found in 1 of 7 (14.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Casino_22 (EM1),

Start 3:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 5 of 5
- Called 85.7% of time when present

- Phage (with cluster) where this start called: Araxxi_23 (EM1), Arete_23 (EM1), DoTi_23 (EM1), Gshelby23_21 (EM1), Hannabella_23 (EM1), Scruffy_23 (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 5 times for cluster EM1.

Gene Information:

Gene: Araxxi_23 Start: 17562, Stop: 16798, Start Num: 3

Candidate Starts for Araxxi_23:

(Start: 3 @17562 has 5 MA's), (4, 17487), (6, 17445), (7, 17433), (8, 17370), (9, 17223), (10, 17160), (11, 17001), (12, 16992), (18, 16866), (19, 16848), (21, 16806),

Gene: Arete_23 Start: 17255, Stop: 16461, Start Num: 3

Candidate Starts for Arete_23:

(Start: 3 @17255 has 5 MA's), (4, 17180), (7, 17126), (8, 17063), (9, 16916), (10, 16853), (13, 16631), (14, 16619), (15, 16598), (16, 16592), (17, 16577), (18, 16538), (20, 16490), (21, 16478), (22, 16466),

Gene: Casino_22 Start: 17249, Stop: 16446, Start Num: 2

Candidate Starts for Casino_22:

(1, 17312), (2, 17249), (Start: 3 @17243 has 5 MA's), (4, 17168), (7, 17114), (8, 17051), (9, 16904), (10, 16841), (12, 16682), (13, 16619), (14, 16607), (15, 16586), (16, 16580), (17, 16565), (18, 16526), (20, 16478), (21, 16466),

Gene: DoTi_23 Start: 17643, Stop: 16879, Start Num: 3

Candidate Starts for DoTi_23:

(Start: 3 @17643 has 5 MA's), (4, 17568), (5, 17541), (6, 17526), (7, 17514), (8, 17451), (9, 17304), (10, 17241), (11, 17082), (12, 17073), (18, 16947), (19, 16929), (21, 16887),

Gene: Gshelby23_21 Start: 17201, Stop: 16413, Start Num: 3

Candidate Starts for Gshelby23_21:

(Start: 3 @17201 has 5 MA's), (4, 17126), (5, 17099), (7, 17072), (8, 17009), (9, 16862), (10, 16799), (12, 16646), (13, 16583), (14, 16571), (15, 16550), (16, 16544), (17, 16529), (18, 16490), (20, 16442), (21, 16430), (22, 16418),

Gene: Hannabella_23 Start: 17241, Stop: 16444, Start Num: 3

Candidate Starts for Hannabella_23:

(Start: 3 @17241 has 5 MA's), (4, 17166), (6, 17124), (7, 17112), (8, 17049), (9, 16902), (10, 16839), (13, 16617), (14, 16605), (15, 16584), (16, 16578), (18, 16524), (20, 16476), (21, 16464),

Gene: Scruffy_23 Start: 17489, Stop: 16695, Start Num: 3

Candidate Starts for Scruffy_23:

(Start: 3 @17489 has 5 MA's), (4, 17414), (7, 17360), (8, 17297), (9, 17150), (10, 17087), (13, 16865), (14, 16853), (15, 16832), (16, 16826), (17, 16811), (18, 16772), (20, 16724), (21, 16712), (22, 16700),