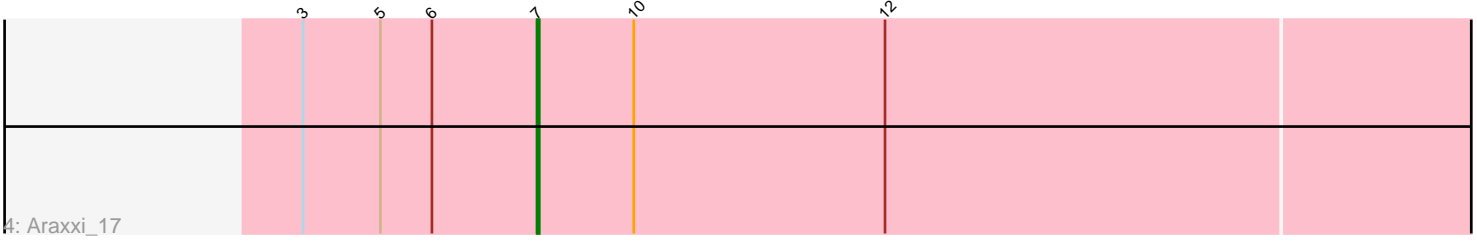
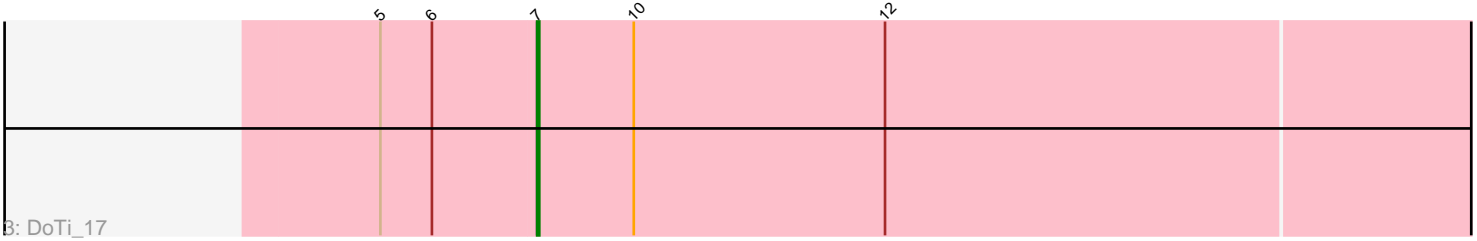
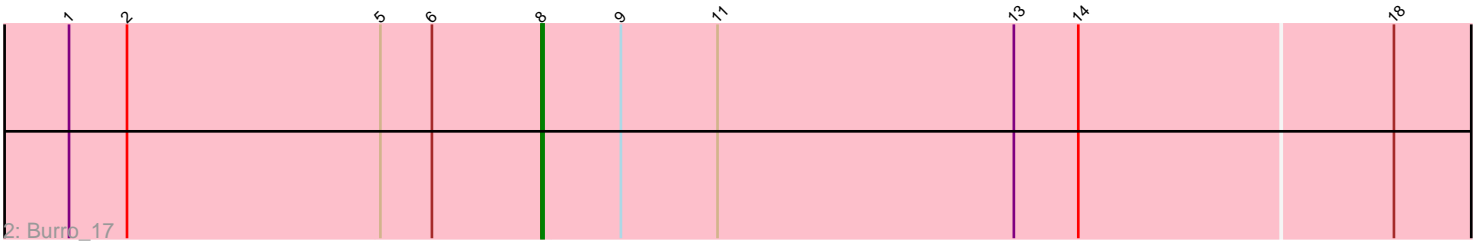
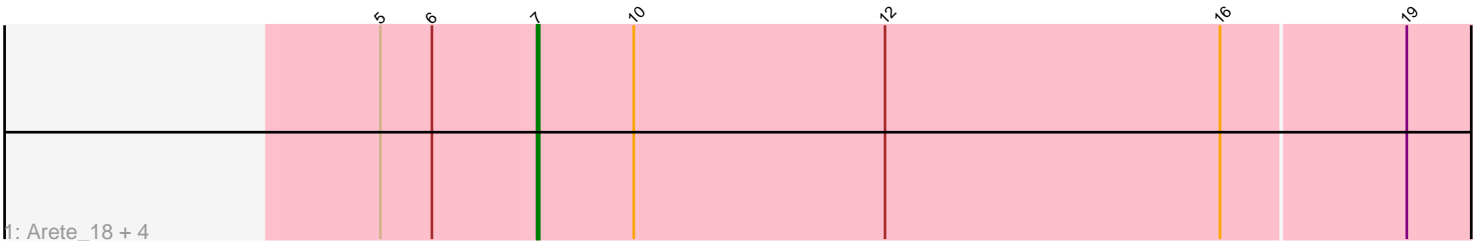


Pham 6800



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 6800 Report

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

Pham number 6800 has 10 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Arete_18, Gshelby23_16, Casino_16, Hannabella_17, Scruffy_17
- Track 2 : Burro_17
- Track 3 : DoTi_17
- Track 4 : Araxxi_17
- Track 5 : MissAmericana_21
- Track 6 : Kikiko_20

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

The start number called the most often in the published annotations is 7, it was called in 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Araxxi_17, Arete_18, Casino_16, DoTi_17, Gshelby23_16, Hannabella_17, Kikiko_20, MissAmericana_21, Scruffy_17,

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

-

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

- Burro_17,

Summary by start number:

Start 7:

- Found in 9 of 10 (90.0%) of genes in pham
- Manual Annotations of this start: 5 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Araxxi_17 (EM1), Arete_18 (EM1), Casino_16 (EM1), DoTi_17 (EM1), Gshelby23_16 (EM1), Hannabella_17 (EM1), Kikiko_20 (EM2), MissAmericana_21 (EM2), Scruffy_17 (EM1),

Start 8:

- Found in 1 of 10 (10.0%) of genes in pham

- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Burro_17 (EM1),

Summary by clusters:

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

Info for manual annotations of cluster EM1:

- Start number 7 was manually annotated 5 times for cluster EM1.
- Start number 8 was manually annotated 1 time for cluster EM1.

Gene Information:

Gene: Araxxi_17 Start: 13527, Stop: 13054, Start Num: 7

Candidate Starts for Araxxi_17:

(3, 13635), (5, 13599), (6, 13575), (Start: 7 @13527 has 5 MA's), (10, 13482), (12, 13365),

Gene: Arete_18 Start: 13457, Stop: 12984, Start Num: 7

Candidate Starts for Arete_18:

(5, 13529), (6, 13505), (Start: 7 @13457 has 5 MA's), (10, 13412), (12, 13295), (16, 13139), (19, 13055),

Gene: Burro_17 Start: 12746, Stop: 12267, Start Num: 8

Candidate Starts for Burro_17:

(1, 12965), (2, 12938), (5, 12821), (6, 12797), (Start: 8 @12746 has 1 MA's), (9, 12710), (11, 12665), (13, 12527), (14, 12497), (18, 12353),

Gene: Casino_16 Start: 13276, Stop: 12803, Start Num: 7

Candidate Starts for Casino_16:

(5, 13348), (6, 13324), (Start: 7 @13276 has 5 MA's), (10, 13231), (12, 13114), (16, 12958), (19, 12874),

Gene: DoTi_17 Start: 13521, Stop: 13048, Start Num: 7

Candidate Starts for DoTi_17:

(5, 13593), (6, 13569), (Start: 7 @13521 has 5 MA's), (10, 13476), (12, 13359),

Gene: Gshelby23_16 Start: 13394, Stop: 12921, Start Num: 7

Candidate Starts for Gshelby23_16:

(5, 13466), (6, 13442), (Start: 7 @13394 has 5 MA's), (10, 13349), (12, 13232), (16, 13076), (19, 12992),

Gene: Hannabella_17 Start: 13274, Stop: 12801, Start Num: 7

Candidate Starts for Hannabella_17:

(5, 13346), (6, 13322), (Start: 7 @13274 has 5 MA's), (10, 13229), (12, 13112), (16, 12956), (19, 12872),

Gene: Kikiko_20 Start: 14047, Stop: 13568, Start Num: 7

Candidate Starts for Kikiko_20:

(Start: 7 @14047 has 5 MA's), (15, 13777), (17, 13729),

Gene: MissAmericana_21 Start: 14127, Stop: 13648, Start Num: 7

Candidate Starts for MissAmericana_21:

(4, 14208), (Start: 7 @14127 has 5 MA's), (15, 13857), (17, 13809),

Gene: Scruffy_17 Start: 13673, Stop: 13200, Start Num: 7

Candidate Starts for Scruffy_17:

(5, 13745), (6, 13721), (Start: 7 @13673 has 5 MA's), (10, 13628), (12, 13511), (16, 13355), (19, 13271),