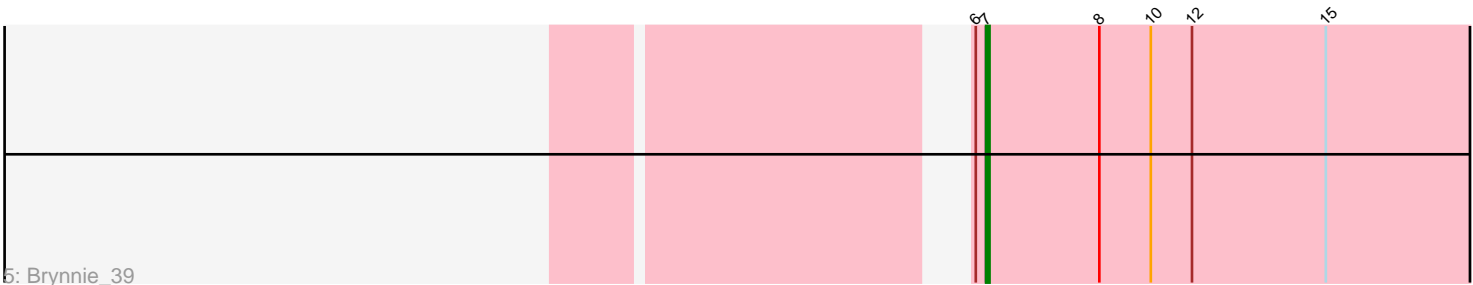
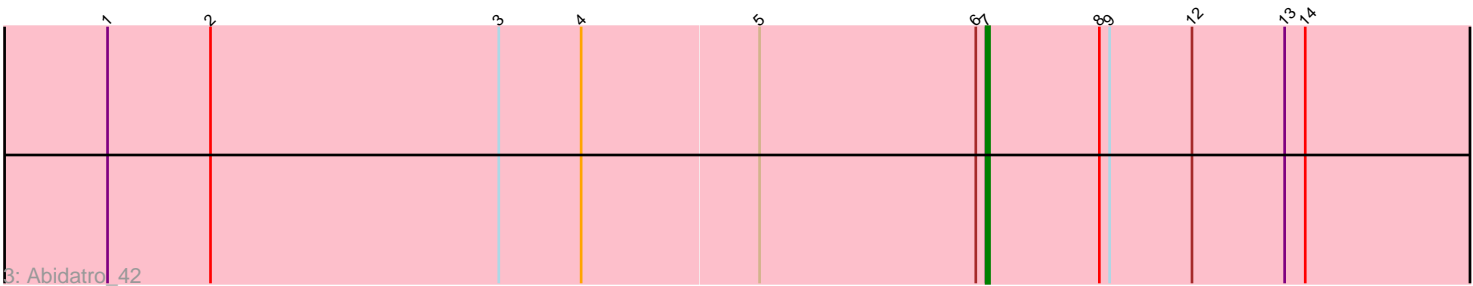
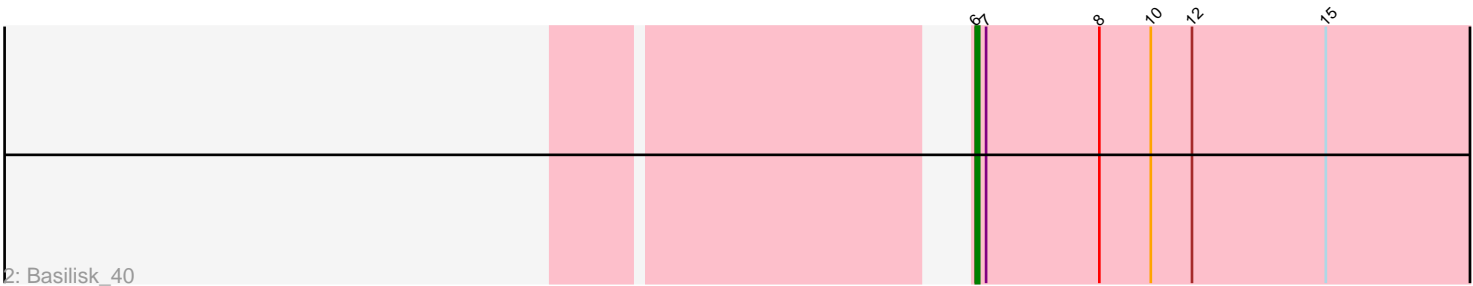
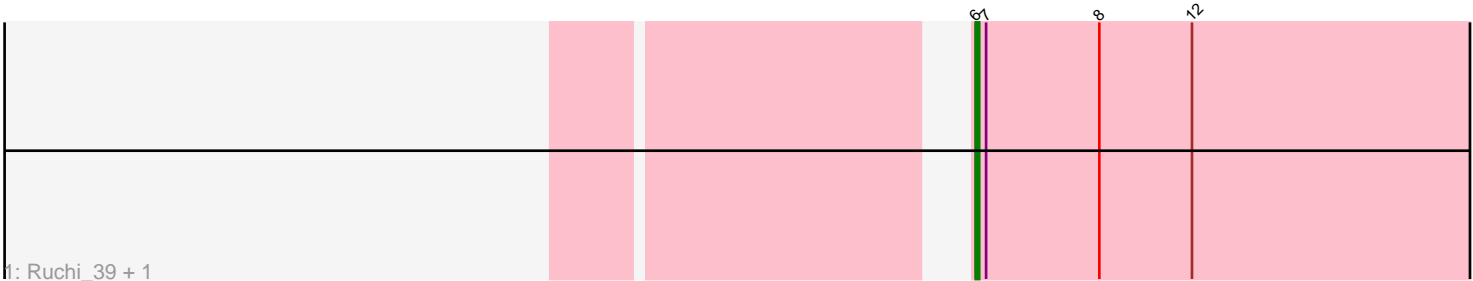


Pham 9828



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 9828 Report

This analysis was run 03/30/24 on database version 556.

Pham number 9828 has 6 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Ruchi_39, Vulpecula_39
- Track 2 : Basilisk_40
- Track 3 : Abidatro_42
- Track 4 : Galaxy_39
- Track 5 : Brynnie_39

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 3 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abidatro_42, Brynnie_39, Galaxy_39,

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

- Basilisk_40, Ruchi_39, Vulpecula_39,

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

-

Summary by start number:

Start 6:

- Found in 5 of 6 (83.3%) of genes in pham
- Manual Annotations of this start: 3 of 6
- Called 60.0% of time when present
- Phage (with cluster) where this start called: Basilisk_40 (AS1), Ruchi_39 (AS1), Vulpecula_39 (AS1),

Start 7:

- Found in 6 of 6 (100.0%) of genes in pham
- Manual Annotations of this start: 3 of 6
- Called 50.0% of time when present

- Phage (with cluster) where this start called: Abidatro_42 (AS1), Brynnie_39 (AS1), Galaxy_39 (AS1),

Summary by clusters:

There is one cluster represented in this pham: AS1

Info for manual annotations of cluster AS1:

- Start number 6 was manually annotated 3 times for cluster AS1.
- Start number 7 was manually annotated 3 times for cluster AS1.

Gene Information:

Gene: Abidatro_42 Start: 28476, Stop: 28628, Start Num: 7

Candidate Starts for Abidatro_42:

(1, 28221), (2, 28251), (3, 28335), (4, 28359), (5, 28410), (Start: 6 @28473 has 3 MA's), (Start: 7 @28476 has 3 MA's), (8, 28509), (9, 28512), (12, 28536), (13, 28563), (14, 28569),

Gene: Basilisk_40 Start: 27643, Stop: 27798, Start Num: 6

Candidate Starts for Basilisk_40:

(Start: 6 @27643 has 3 MA's), (Start: 7 @27646 has 3 MA's), (8, 27679), (10, 27694), (12, 27706), (15, 27745),

Gene: Brynnie_39 Start: 27524, Stop: 27676, Start Num: 7

Candidate Starts for Brynnie_39:

(Start: 6 @27521 has 3 MA's), (Start: 7 @27524 has 3 MA's), (8, 27557), (10, 27572), (12, 27584), (15, 27623),

Gene: Galaxy_39 Start: 26899, Stop: 27051, Start Num: 7

Candidate Starts for Galaxy_39:

(Start: 7 @26899 has 3 MA's), (11, 26950), (16, 27010),

Gene: Ruchi_39 Start: 27589, Stop: 27744, Start Num: 6

Candidate Starts for Ruchi_39:

(Start: 6 @27589 has 3 MA's), (Start: 7 @27592 has 3 MA's), (8, 27625), (12, 27652),

Gene: Vulpecula_39 Start: 27266, Stop: 27421, Start Num: 6

Candidate Starts for Vulpecula_39:

(Start: 6 @27266 has 3 MA's), (Start: 7 @27269 has 3 MA's), (8, 27302), (12, 27329),