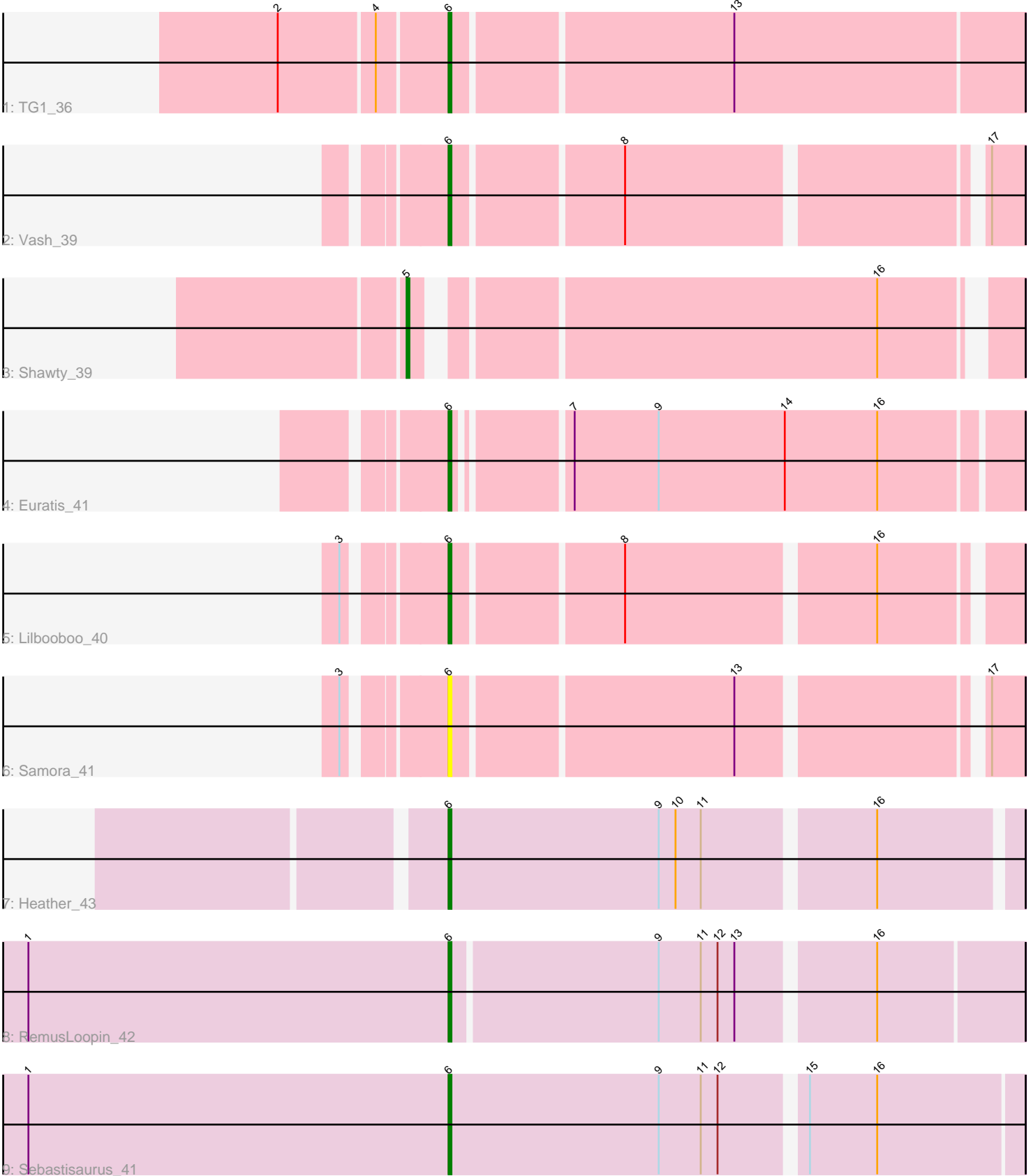


Pham 87879



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 87879 Report

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

Pham number 87879 has 9 members, 1 are drafts.

Phages represented in each track:

- Track 1 : TG1_36
- Track 2 : Vash_39
- Track 3 : Shawty_39
- Track 4 : Euratis_41
- Track 5 : Lilbooboo_40
- Track 6 : Samora_41
- Track 7 : Heather_43
- Track 8 : RemusLoopin_42
- Track 9 : Sebastisaurus_41

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

The start number called the most often in the published annotations is 6, it was called in 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Euratis_41, Heather_43, Lilbooboo_40, RemusLoopin_42, Samora_41, Sebastisaurus_41, TG1_36, Vash_39,

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

-

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

- Shawty_39,

Summary by start number:

Start 5:

- Found in 1 of 9 (11.1%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Shawty_39 (BB1),

Start 6:

- Found in 8 of 9 (88.9%) of genes in pham
- Manual Annotations of this start: 7 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Euratis_41 (BB1), Heather_43 (BB2), Lilbooboo_40 (BB1), RemusLoopin_42 (BB2), Samora_41 (BB1), Sebastisaurus_41 (BB2), TG1_36 (BB1), Vash_39 (BB1),

Summary by clusters:

There are 2 clusters represented in this pham: BB2, BB1,

Info for manual annotations of cluster BB1:

- Start number 5 was manually annotated 1 time for cluster BB1.
- Start number 6 was manually annotated 4 times for cluster BB1.

Info for manual annotations of cluster BB2:

- Start number 6 was manually annotated 3 times for cluster BB2.

Gene Information:

Gene: Euratis_41 Start: 31497, Stop: 31688, Start Num: 6

Candidate Starts for Euratis_41:

(Start: 6 @31497 has 7 MA's), (7, 31533), (9, 31563), (14, 31608), (16, 31641),

Gene: Heather_43 Start: 32803, Stop: 32997, Start Num: 6

Candidate Starts for Heather_43:

(Start: 6 @32803 has 7 MA's), (9, 32878), (10, 32884), (11, 32893), (16, 32950),

Gene: Lilbooboo_40 Start: 31630, Stop: 31815, Start Num: 6

Candidate Starts for Lilbooboo_40:

(3, 31609), (Start: 6 @31630 has 7 MA's), (8, 31687), (16, 31771),

Gene: RemusLoopin_42 Start: 33018, Stop: 33212, Start Num: 6

Candidate Starts for RemusLoopin_42:

(1, 32868), (Start: 6 @33018 has 7 MA's), (9, 33090), (11, 33105), (12, 33111), (13, 33117), (16, 33162),

Gene: Samora_41 Start: 32202, Stop: 32387, Start Num: 6

Candidate Starts for Samora_41:

(3, 32181), (Start: 6 @32202 has 7 MA's), (13, 32298), (17, 32376),

Gene: Sebastisaurus_41 Start: 32719, Stop: 32916, Start Num: 6

Candidate Starts for Sebastisaurus_41:

(1, 32569), (Start: 6 @32719 has 7 MA's), (9, 32794), (11, 32809), (12, 32815), (15, 32842), (16, 32866),

Gene: Shawty_39 Start: 31282, Stop: 31476, Start Num: 5

Candidate Starts for Shawty_39:

(Start: 5 @31282 has 1 MA's), (16, 31435),

Gene: TG1_36 Start: 30416, Stop: 30613, Start Num: 6

Candidate Starts for TG1_36:

(2, 30359), (4, 30392), (Start: 6 @30416 has 7 MA's), (13, 30512),

Gene: Vash_39 Start: 31443, Stop: 31628, Start Num: 6

Candidate Starts for Vash_39:

(Start: 6 @31443 has 7 MA's), (8, 31500), (17, 31617),