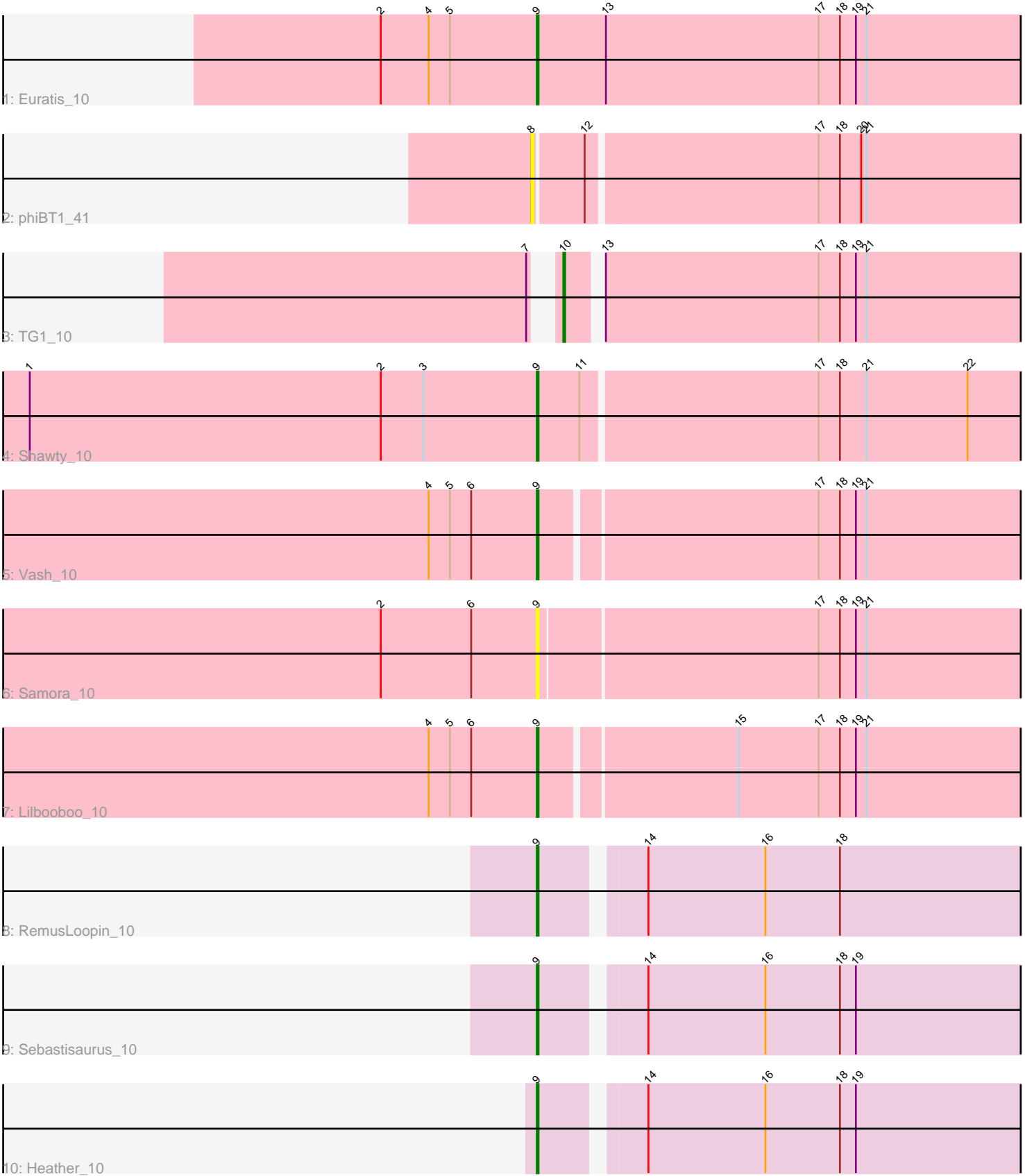


Pham 87573



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 87573 Report

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

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 87573 has 10 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Euratis_10
- Track 2 : phiBT1_41
- Track 3 : TG1_10
- Track 4 : Shawty_10
- Track 5 : Vash_10
- Track 6 : Samora_10
- Track 7 : Lilbooboo_10
- Track 8 : RemusLoopin_10
- Track 9 : Sebastisaurus_10
- Track 10 : Heather_10

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

The start number called the most often in the published annotations is 9, it was called in 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Euratis_10, Heather_10, Lilbooboo_10, RemusLoopin_10, Samora_10, Sebastisaurus_10, Shawty_10, Vash_10,

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

-

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

- TG1_10, phiBT1_41,

Summary by start number:

Start 8:

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

- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: phiBT1_41 (BB1),

Start 9:

- Found in 8 of 10 (80.0%) 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_10 (BB1), Heather_10 (BB2), Lilbooboo_10 (BB1), RemusLoopin_10 (BB2), Samora_10 (BB1), Sebastisaurus_10 (BB2), Shawty_10 (BB1), Vash_10 (BB1),

Start 10:

- Found in 1 of 10 (10.0%) 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: TG1_10 (BB1),

Summary by clusters:

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

Info for manual annotations of cluster BB1:

- Start number 9 was manually annotated 4 times for cluster BB1.
- Start number 10 was manually annotated 1 time for cluster BB1.

Info for manual annotations of cluster BB2:

- Start number 9 was manually annotated 3 times for cluster BB2.

Gene Information:

Gene: Euratis_10 Start: 7684, Stop: 7971, Start Num: 9

Candidate Starts for Euratis_10:

(2, 7597), (4, 7624), (5, 7636), (Start: 9 @7684 has 7 MA's), (13, 7723), (17, 7843), (18, 7855), (19, 7864), (21, 7870),

Gene: Heather_10 Start: 7723, Stop: 7998, Start Num: 9

Candidate Starts for Heather_10:

(Start: 9 @7723 has 7 MA's), (14, 7774), (16, 7840), (18, 7882), (19, 7891),

Gene: Lilbooboo_10 Start: 7703, Stop: 7981, Start Num: 9

Candidate Starts for Lilbooboo_10:

(4, 7643), (5, 7655), (6, 7667), (Start: 9 @7703 has 7 MA's), (15, 7808), (17, 7853), (18, 7865), (19, 7874), (21, 7880),

Gene: RemusLoopin_10 Start: 7701, Stop: 7976, Start Num: 9

Candidate Starts for RemusLoopin_10:

(Start: 9 @7701 has 7 MA's), (14, 7752), (16, 7818), (18, 7860),

Gene: Samora_10 Start: 7732, Stop: 8013, Start Num: 9

Candidate Starts for Samora_10:

(2, 7645), (6, 7696), (Start: 9 @7732 has 7 MA's), (17, 7885), (18, 7897), (19, 7906), (21, 7912),

Gene: Sebastisaurus_10 Start: 7727, Stop: 8002, Start Num: 9

Candidate Starts for Sebastisaurus_10:

(Start: 9 @7727 has 7 MA's), (14, 7778), (16, 7844), (18, 7886), (19, 7895),

Gene: Shawty_10 Start: 7731, Stop: 8012, Start Num: 9

Candidate Starts for Shawty_10:

(1, 7446), (2, 7644), (3, 7668), (Start: 9 @7731 has 7 MA's), (11, 7755), (17, 7884), (18, 7896), (21, 7911), (22, 7968),

Gene: TG1_10 Start: 7713, Stop: 7976, Start Num: 10

Candidate Starts for TG1_10:

(7, 7707), (Start: 10 @7713 has 1 MA's), (13, 7728), (17, 7848), (18, 7860), (19, 7869), (21, 7875),

Gene: Vash_10 Start: 7708, Stop: 7986, Start Num: 9

Candidate Starts for Vash_10:

(4, 7648), (5, 7660), (6, 7672), (Start: 9 @7708 has 7 MA's), (17, 7858), (18, 7870), (19, 7879), (21, 7885),

Gene: phiBT1_41 Start: 7730, Stop: 8011, Start Num: 8

Candidate Starts for phiBT1_41:

(8, 7730), (12, 7757), (17, 7883), (18, 7895), (20, 7907), (21, 7910),