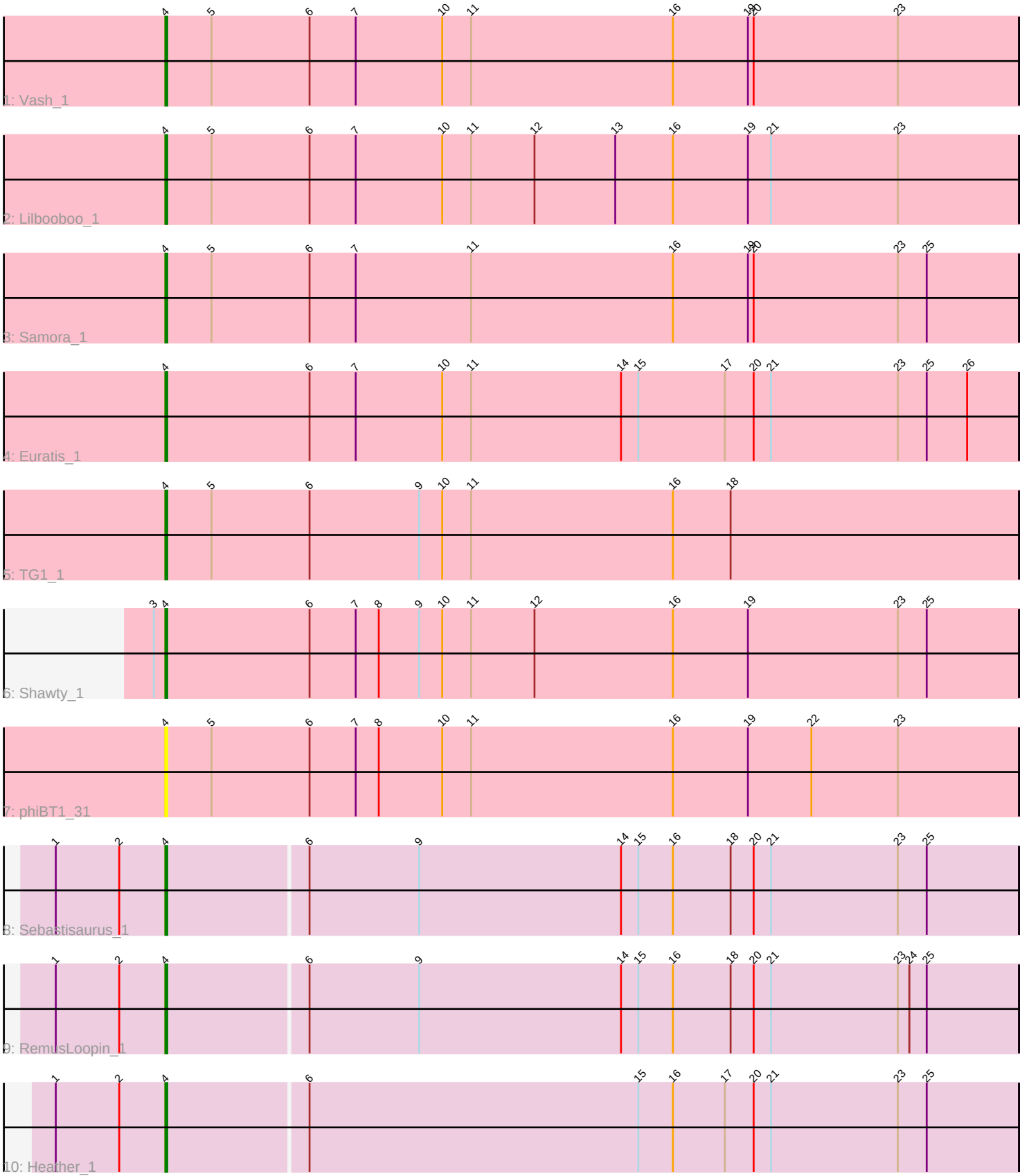
Pham 348231


1: Vash_1
2: Lilbooboo_1
3: Samora_1
4: Euratis_1
5: TG1_1
6: Shawty_1
7: phiBT1_31
8: Sebastisaurus_1
9: RemusLoopin_1
10: Heather_1

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 348231 Report

This analysis was run 11/14/26 on database version 672.

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 348231 has 10 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Vash_1
• Track 2 : Lilbooboo_1
• Track 3 : Samora_1
• Track 4 : Euratis_1
• Track 5 : TG1_1
• Track 6 : Shawty_1
• Track 7 : phiBT1_31
• Track 8 : Sebastisaurus_1
• Track 9 : RemusLoopin_1
• Track 10 : Heather_1

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

The start number called the most often in the published annotations is 4, it was called in 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Euratis_1, Heather_1, Lilbooboo_1, RemusLoopin_1, Samora_1, Sebastisaurus_1, Shawty_1, TG1_1, Vash_1, phiBT1_31,

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

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

Summary by start number:

Start 4:
• Found in 10 of 10 (100.0%) of genes in pham

• Manual Annotations of this start: 9 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Euratis_1 (BB1), Heather_1 (BB2), Lilbooboo_1 (BB1), RemusLoopin_1 (BB2), Samora_1 (BB1), Sebastisaurus_1 (BB2), Shawty_1 (BB1), TG1_1 (BB1), Vash_1 (BB1), phiBT1_31 (BB1),

Summary by clusters:

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

Info for manual annotations of cluster BB1:
•Start number 4 was manually annotated 6 times for cluster BB1.

Info for manual annotations of cluster BB2:
•Start number 4 was manually annotated 3 times for cluster BB2.

Gene Information:

Gene: Euratis_1 Start: 144, Stop: 587, Start Num: 4
Candidate Starts for Euratis_1:
(Start: 4 @144 has 9 MA's), (6, 219), (7, 243), (10, 288), (11, 303), (14, 381), (15, 390), (17, 435), (20, 450), (21, 459), (23, 525), (25, 540), (26, 561),

Gene: Heather_1 Start: 145, Stop: 585, Start Num: 4
Candidate Starts for Heather_1:
(1, 88), (2, 121), (Start: 4 @145 has 9 MA's), (6, 217), (15, 388), (16, 406), (17, 433), (20, 448), (21, 457), (23, 523), (25, 538),

Gene: Lilbooboo_1 Start: 134, Stop: 577, Start Num: 4
Candidate Starts for Lilbooboo_1:
(Start: 4 @134 has 9 MA's), (5, 158), (6, 209), (7, 233), (10, 278), (11, 293), (12, 326), (13, 368), (16, 398), (19, 437), (21, 449), (23, 515),

Gene: RemusLoopin_1 Start: 145, Stop: 585, Start Num: 4
Candidate Starts for RemusLoopin_1:
(1, 88), (2, 121), (Start: 4 @145 has 9 MA's), (6, 217), (9, 274), (14, 379), (15, 388), (16, 406), (18, 436), (20, 448), (21, 457), (23, 523), (24, 529), (25, 538),

Gene: Samora_1 Start: 134, Stop: 577, Start Num: 4
Candidate Starts for Samora_1:
(Start: 4 @134 has 9 MA's), (5, 158), (6, 209), (7, 233), (11, 293), (16, 398), (19, 437), (20, 440), (23, 515), (25, 530),

Gene: Sebastisaurus_1 Start: 145, Stop: 585, Start Num: 4
Candidate Starts for Sebastisaurus_1:
(1, 88), (2, 121), (Start: 4 @145 has 9 MA's), (6, 217), (9, 274), (14, 379), (15, 388), (16, 406), (18, 436), (20, 448), (21, 457), (23, 523), (25, 538),

Gene: Shawty_1 Start: 133, Stop: 576, Start Num: 4
Candidate Starts for Shawty_1:

(3, 127), (Start: 4 @133 has 9 MA's), (6, 208), (7, 232), (8, 244), (9, 265), (10, 277), (11, 292), (12, 325), (16, 397), (19, 436), (23, 514), (25, 529),

Gene: TG1_1 Start: 134, Stop: 577, Start Num: 4
Candidate Starts for TG1_1:
(Start: 4 @134 has 9 MA's), (5, 158), (6, 209), (9, 266), (10, 278), (11, 293), (16, 398), (18, 428),

Gene: Vash_1 Start: 134, Stop: 577, Start Num: 4
Candidate Starts for Vash_1:
(Start: 4 @134 has 9 MA's), (5, 158), (6, 209), (7, 233), (10, 278), (11, 293), (16, 398), (19, 437), (20, 440), (23, 515),

Gene: phiBT1_31 Start: 144, Stop: 587, Start Num: 4
Candidate Starts for phiBT1_31:
(Start: 4 @144 has 9 MA's), (5, 168), (6, 219), (7, 243), (8, 255), (10, 288), (11, 303), (16, 408), (19, 447), (22, 480), (23, 525),