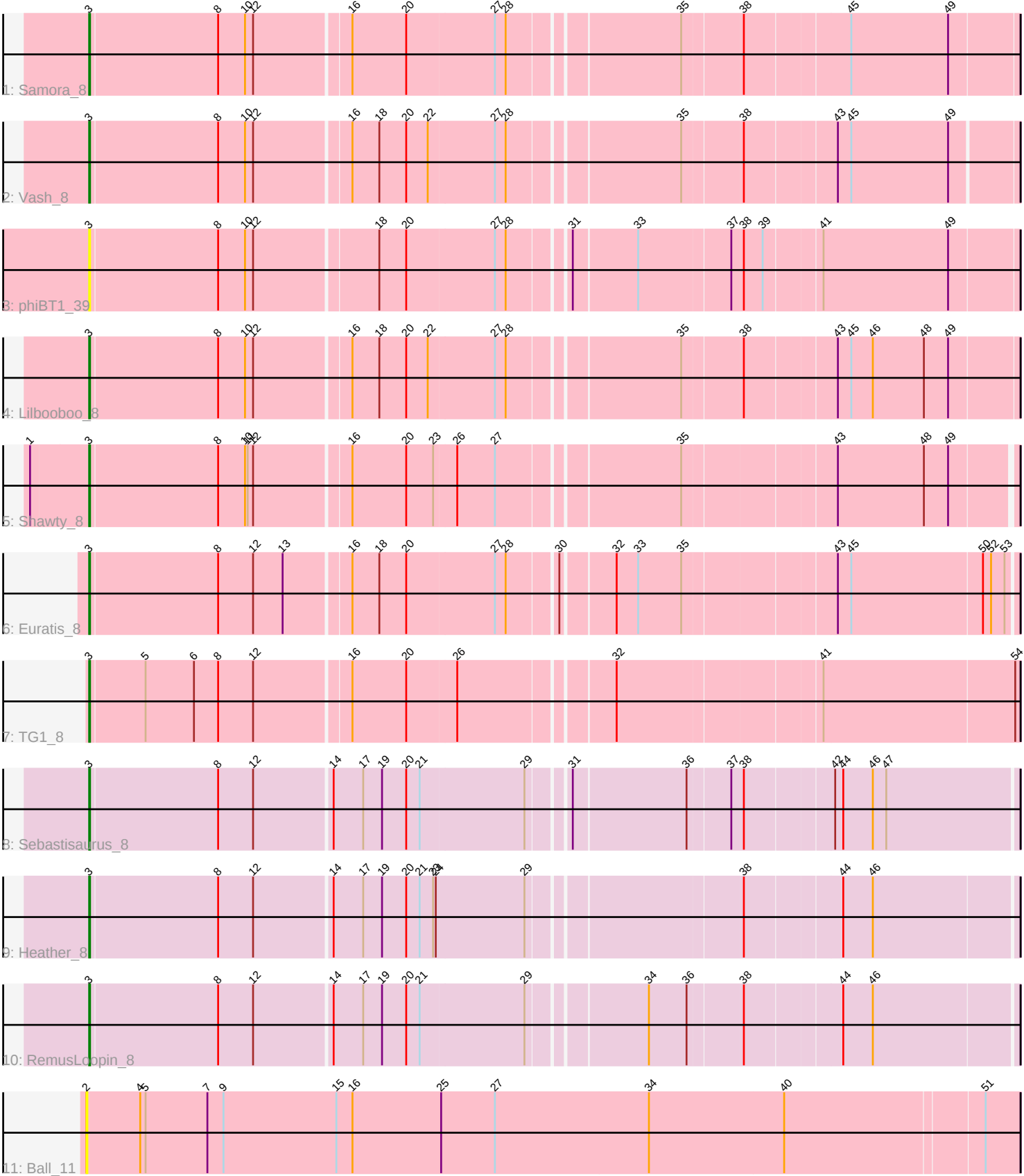


Pham 309661



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 309661 Report

This analysis was run 09/05/26 on database version 662.

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 309661 has 11 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Samora_8
- Track 2 : Vash_8
- Track 3 : phiBT1_39
- Track 4 : Lilbooboo_8
- Track 5 : Shawty_8
- Track 6 : Euratis_8
- Track 7 : TG1_8
- Track 8 : Sebastisaurus_8
- Track 9 : Heather_8
- Track 10 : RemusLoopin_8
- Track 11 : Ball_11

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

The start number called the most often in the published annotations is 3, it was called in 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Euratis_8, Heather_8, Lilbooboo_8, RemusLoopin_8, Samora_8, Sebastisaurus_8, Shawty_8, TG1_8, Vash_8, phiBT1_39,

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

-

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

- Ball_11,

Summary by start number:

Start 2:

- Found in 1 of 11 (9.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ball_11 (singleton),

Start 3:

- Found in 10 of 11 (90.9%) 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_8 (BB1), Heather_8 (BB2), Lilbooboo_8 (BB1), RemusLoopin_8 (BB2), Samora_8 (BB1), Sebastisaurus_8 (BB2), Shawty_8 (BB1), TG1_8 (BB1), Vash_8 (BB1), phiBT1_39 (BB1),

Summary by clusters:

There are 3 clusters represented in this pham: singleton, BB2, BB1,

Info for manual annotations of cluster BB1:

- Start number 3 was manually annotated 6 times for cluster BB1.

Info for manual annotations of cluster BB2:

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

Gene Information:

Gene: Ball_11 Start: 7365, Stop: 8396, Start Num: 2

Candidate Starts for Ball_11:

(2, 7365), (4, 7425), (5, 7431), (7, 7500), (9, 7518), (15, 7644), (16, 7662), (25, 7761), (27, 7821), (34, 7992), (40, 8142), (51, 8358),

Gene: Euratis_8 Start: 6271, Stop: 7251, Start Num: 3

Candidate Starts for Euratis_8:

(Start: 3 @6271 has 9 MA's), (8, 6412), (12, 6451), (13, 6484), (16, 6553), (18, 6583), (20, 6613), (27, 6709), (28, 6721), (30, 6772), (32, 6826), (33, 6850), (35, 6898), (43, 7057), (45, 7072), (50, 7216), (52, 7225), (53, 7240),

Gene: Heather_8 Start: 6293, Stop: 7276, Start Num: 3

Candidate Starts for Heather_8:

(Start: 3 @6293 has 9 MA's), (8, 6434), (12, 6473), (14, 6557), (17, 6590), (19, 6611), (20, 6638), (21, 6653), (23, 6668), (24, 6671), (29, 6767), (38, 6986), (44, 7088), (46, 7121),

Gene: Lilbooboo_8 Start: 6287, Stop: 7270, Start Num: 3

Candidate Starts for Lilbooboo_8:

(Start: 3 @6287 has 9 MA's), (8, 6428), (10, 6458), (12, 6467), (16, 6569), (18, 6599), (20, 6629), (22, 6653), (27, 6725), (28, 6737), (35, 6914), (38, 6977), (43, 7073), (45, 7088), (46, 7112), (48, 7169), (49, 7196),

Gene: RemusLoopin_8 Start: 6276, Stop: 7259, Start Num: 3

Candidate Starts for RemusLoopin_8:

(Start: 3 @6276 has 9 MA's), (8, 6417), (12, 6456), (14, 6540), (17, 6573), (19, 6594), (20, 6621), (21, 6636), (29, 6750), (34, 6870), (36, 6912), (38, 6969), (44, 7071), (46, 7104),

Gene: Samora_8 Start: 6316, Stop: 7299, Start Num: 3

Candidate Starts for Samora_8:

(Start: 3 @6316 has 9 MA's), (8, 6457), (10, 6487), (12, 6496), (16, 6598), (20, 6658), (27, 6754), (28, 6766), (35, 6943), (38, 7006), (45, 7117), (49, 7225),

Gene: Sebastisaurus_8 Start: 6298, Stop: 7284, Start Num: 3

Candidate Starts for Sebastisaurus_8:

(Start: 3 @6298 has 9 MA's), (8, 6439), (12, 6478), (14, 6562), (17, 6595), (19, 6616), (20, 6643), (21, 6658), (29, 6772), (31, 6811), (36, 6934), (37, 6979), (38, 6991), (42, 7084), (44, 7093), (46, 7126), (47, 7141),

Gene: Shawty_8 Start: 6321, Stop: 7298, Start Num: 3

Candidate Starts for Shawty_8:

(1, 6258), (Start: 3 @6321 has 9 MA's), (8, 6462), (10, 6492), (11, 6495), (12, 6501), (16, 6603), (20, 6663), (23, 6693), (26, 6717), (27, 6759), (35, 6948), (43, 7107), (48, 7203), (49, 7230),

Gene: TG1_8 Start: 6289, Stop: 7275, Start Num: 3

Candidate Starts for TG1_8:

(Start: 3 @6289 has 9 MA's), (5, 6349), (6, 6403), (8, 6430), (12, 6469), (16, 6571), (20, 6631), (26, 6685), (32, 6844), (41, 7060), (54, 7270),

Gene: Vash_8 Start: 6295, Stop: 7275, Start Num: 3

Candidate Starts for Vash_8:

(Start: 3 @6295 has 9 MA's), (8, 6436), (10, 6466), (12, 6475), (16, 6577), (18, 6607), (20, 6637), (22, 6661), (27, 6733), (28, 6745), (35, 6922), (38, 6985), (43, 7081), (45, 7096), (49, 7204),

Gene: phiBT1_39 Start: 6316, Stop: 7299, Start Num: 3

Candidate Starts for phiBT1_39:

(Start: 3 @6316 has 9 MA's), (8, 6457), (10, 6487), (12, 6496), (18, 6628), (20, 6658), (27, 6754), (28, 6766), (31, 6826), (33, 6895), (37, 6994), (38, 7006), (39, 7027), (41, 7087), (49, 7225),