Pham 291708

1: phiBT1_36
2: Vash_5
3: Lilbooboo_5
4: Samora_5
5: TG1_5
6: Euratis_5
7: Shawty_5
8: Sebastisaurus_5
9: RemusLoopin_5
10: Heather_5
11: Ball_6

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 291708 Report

This analysis was run 03/28/26 on database version 641.

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 291708 has 11 members, 2 are drafts.

Phages represented in each track:
- Track 1 : phiBT1_36
- Track 2 : Vash_5
- Track 3 : Lilbooboo_5
- Track 4 : Samora_5
- Track 5 : TG1_5
- Track 6 : Euratis_5
- Track 7 : Shawty_5
- Track 8 : Sebastisaurus_5
- Track 9 : RemusLoopin_5
- Track 10 : Heather_5
- Track 11 : Ball_6

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

The start number called the most often in the published annotations is 1, it was called in 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- Ball_6, Euratis_5, Heather_5, Lilbooboo_5, RemusLoopin_5, Samora_5, Sebastisaurus_5, Shawty_5, TG1_5, Vash_5, phiBT1_36,

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 1:

• Found in 11 of 11 (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: Ball_6 (singleton), Euratis_5 (BB1), Heather_5 (BB2), Lilbooboo_5 (BB1), RemusLoopin_5 (BB2), Samora_5 (BB1), Sebastisaurus_5 (BB2), Shawty_5 (BB1), TG1_5 (BB1), Vash_5 (BB1), phiBT1_36 (BB1),

Summary by clusters:

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

Info for manual annotations of cluster BB1:
•Start number 1 was manually annotated 6 times for cluster BB1.

Info for manual annotations of cluster BB2:
•Start number 1 was manually annotated 3 times for cluster BB2.

Gene Information:

Gene: Ball_6 Start: 4114, Stop: 5337, Start Num: 1
Candidate Starts for Ball_6:
(Start: 1 @4114 has 9 MA's), (3, 4258), (15, 4531), (28, 4870), (31, 4957), (38, 5173),

Gene: Euratis_5 Start: 4202, Stop: 5374, Start Num: 1
Candidate Starts for Euratis_5:
(Start: 1 @4202 has 9 MA's), (2, 4295), (5, 4412), (6, 4421), (8, 4493), (10, 4499), (14, 4562), (16, 4604), (17, 4619), (18, 4622), (21, 4709), (22, 4763), (23, 4796), (26, 4847), (27, 4880), (34, 5081), (36, 5135), (37, 5186), (39, 5255), (42, 5333),

Gene: Heather_5 Start: 4192, Stop: 5397, Start Num: 1
Candidate Starts for Heather_5:
(Start: 1 @4192 has 9 MA's), (2, 4285), (9, 4489), (12, 4531), (13, 4555), (18, 4639), (19, 4660), (22, 4780), (24, 4828), (27, 4897), (29, 5002), (34, 5098), (35, 5149), (40, 5299), (42, 5350),

Gene: Lilbooboo_5 Start: 4202, Stop: 5371, Start Num: 1
Candidate Starts for Lilbooboo_5:
(Start: 1 @4202 has 9 MA's), (2, 4295), (18, 4619), (22, 4760), (23, 4793), (26, 4844), (27, 4877), (34, 5078), (37, 5183),

Gene: RemusLoopin_5 Start: 4177, Stop: 5379, Start Num: 1
Candidate Starts for RemusLoopin_5:
(Start: 1 @4177 has 9 MA's), (2, 4270), (5, 4387), (11, 4492), (13, 4537), (14, 4561), (18, 4621), (19, 4642), (22, 4762), (23, 4795), (27, 4879), (32, 5056), (34, 5080), (35, 5131), (41, 5296), (42, 5332),

Gene: Samora_5 Start: 4223, Stop: 5401, Start Num: 1
Candidate Starts for Samora_5:
(Start: 1 @4223 has 9 MA's), (2, 4316), (4, 4421), (14, 4583), (18, 4643), (20, 4700), (22, 4784), (26, 4868), (27, 4901), (31, 5042), (32, 5078), (34, 5102), (37, 5207),

Gene: Sebastisaurus_5 Start: 4200, Stop: 5402, Start Num: 1

Candidate Starts for Sebastisaurus_5:
(Start: 1 @4200 has 9 MA's), (2, 4293), (5, 4410), (13, 4560), (18, 4644), (19, 4665), (22, 4785), (23, 4818), (27, 4902), (32, 5079), (34, 5103), (35, 5154), (41, 5319), (42, 5355),

Gene: Shawty_5 Start: 4206, Stop: 5390, Start Num: 1
Candidate Starts for Shawty_5:
(Start: 1 @4206 has 9 MA's), (2, 4299), (4, 4404), (18, 4626), (20, 4683), (22, 4767), (23, 4800), (25, 4827), (27, 4884), (31, 5025), (32, 5061), (34, 5085), (37, 5190), (42, 5337),

Gene: TG1_5 Start: 4218, Stop: 5384, Start Num: 1
Candidate Starts for TG1_5:
(Start: 1 @4218 has 9 MA's), (2, 4311), (5, 4428), (17, 4623), (18, 4626), (20, 4683), (22, 4767), (23, 4800), (27, 4884), (34, 5085), (41, 5301),

Gene: Vash_5 Start: 4195, Stop: 5379, Start Num: 1
Candidate Starts for Vash_5:
(Start: 1 @4195 has 9 MA's), (2, 4288), (4, 4393), (18, 4621), (20, 4678), (22, 4762), (23, 4795), (26, 4846), (27, 4879), (33, 5065), (34, 5080), (37, 5185),

Gene: phiBT1_36 Start: 4228, Stop: 5400, Start Num: 1
Candidate Starts for phiBT1_36:
(Start: 1 @4228 has 9 MA's), (2, 4321), (7, 4486), (18, 4648), (20, 4705), (22, 4789), (26, 4873), (27, 4906), (30, 5008), (34, 5101), (37, 5206), (43, 5374),