Pham 344553


1: Shawty_58
2: Samora_60
3: Lilbooboo_57
4: Vash_55
5: TG1_54
6: Euratis_59
7: phiBT1_30
8: RemusLoopin_57
9: Heather_58
10: Sebastisaurus_52
11: Nesbitt_57 + 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 344553 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 344553 has 12 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Shawty_58
• Track 2 : Samora_60
• Track 3 : Lilbooboo_57
• Track 4 : Vash_55
• Track 5 : TG1_54
• Track 6 : Euratis_59
• Track 7 : phiBT1_30
• Track 8 : RemusLoopin_57
• Track 9 : Heather_58
• Track 10 : Sebastisaurus_52
• Track 11 : Nesbitt_57, AbbeyMikolon_63

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

The start number called the most often in the published annotations is 8, it was called in 9 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Euratis_59, Heather_58, Lilbooboo_57, RemusLoopin_57, Samora_60, Sebastisaurus_52, Shawty_58, TG1_54, Vash_55, phiBT1_30,

Genes that have the "Most Annotated" start but do not call it:
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Genes that do not have the "Most Annotated" start:
• AbbeyMikolon_63, Nesbitt_57,

Summary by start number:

Start 8:

• Found in 10 of 12 (83.3%) of genes in pham
• Manual Annotations of this start: 9 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Euratis_59 (BB1), Heather_58 (BB2), Lilbooboo_57 (BB1), RemusLoopin_57 (BB2), Samora_60 (BB1), Sebastisaurus_52 (BB2), Shawty_58 (BB1), TG1_54 (BB1), Vash_55 (BB1), phiBT1_30 (BB1),

Start 12:
• Found in 2 of 12 (16.7%) of genes in pham
• Manual Annotations of this start: 2 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AbbeyMikolon_63 (BL), Nesbitt_57 (BL),

Summary by clusters:

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

Info for manual annotations of cluster BB1:
•Start number 8 was manually annotated 6 times for cluster BB1.

Info for manual annotations of cluster BB2:
•Start number 8 was manually annotated 3 times for cluster BB2.

Info for manual annotations of cluster BL:
•Start number 12 was manually annotated 2 times for cluster BL.

Gene Information:

Gene: AbbeyMikolon_63 Start: 41685, Stop: 41978, Start Num: 12
Candidate Starts for AbbeyMikolon_63:
(9, 41658), (10, 41661), (Start: 12 @41685 has 2 MA's), (24, 41847), (28, 41904), (29, 41910), (31, 41934),

Gene: Euratis_59 Start: 40974, Stop: 41339, Start Num: 8
Candidate Starts for Euratis_59:
(7, 40968), (Start: 8 @40974 has 9 MA's), (19, 41166), (20, 41178), (24, 41208), (27, 41253), (29, 41271), (32, 41307),

Gene: Heather_58 Start: 40838, Stop: 41185, Start Num: 8
Candidate Starts for Heather_58:
(Start: 8 @40838 has 9 MA's), (13, 40928), (16, 41000), (24, 41060), (25, 41075), (27, 41105), (30, 41126), (32, 41159),

Gene: Lilbooboo_57 Start: 40866, Stop: 41213, Start Num: 8
Candidate Starts for Lilbooboo_57:
(2, 40791), (4, 40809), (Start: 8 @40866 has 9 MA's), (11, 40923), (15, 41016), (17, 41040), (26, 41118), (32, 41187),

Gene: Nesbitt_57 Start: 41580, Stop: 41873, Start Num: 12
Candidate Starts for Nesbitt_57:

(9, 41553), (10, 41556), (Start: 12 @41580 has 2 MA's), (24, 41742), (28, 41799), (29, 41805), (31, 41829),

Gene: RemusLoopin_57 Start: 40972, Stop: 41319, Start Num: 8
Candidate Starts for RemusLoopin_57:
(Start: 8 @40972 has 9 MA's), (13, 41062), (14, 41074), (17, 41146), (20, 41164), (21, 41176), (24, 41194), (25, 41209), (29, 41257), (32, 41293),

Gene: Samora_60 Start: 41394, Stop: 41741, Start Num: 8
Candidate Starts for Samora_60:
(5, 41352), (Start: 8 @41394 has 9 MA's), (13, 41484), (15, 41544), (17, 41568), (26, 41646), (28, 41673), (32, 41715),

Gene: Sebastisaurus_52 Start: 41205, Stop: 41552, Start Num: 8
Candidate Starts for Sebastisaurus_52:
(Start: 8 @41205 has 9 MA's), (13, 41295), (16, 41367), (17, 41379), (20, 41397), (21, 41409), (24, 41427), (29, 41490), (32, 41526),

Gene: Shawty_58 Start: 40331, Stop: 40678, Start Num: 8
Candidate Starts for Shawty_58:
(1, 40247), (2, 40256), (5, 40289), (6, 40307), (Start: 8 @40331 has 9 MA's), (15, 40481), (16, 40493), (17, 40505), (20, 40523), (26, 40583), (30, 40619), (32, 40652),

Gene: TG1_54 Start: 40073, Stop: 40420, Start Num: 8
Candidate Starts for TG1_54:
(3, 40013), (5, 40031), (Start: 8 @40073 has 9 MA's), (20, 40265), (28, 40352), (32, 40394),

Gene: Vash_55 Start: 41178, Stop: 41525, Start Num: 8
Candidate Starts for Vash_55:
(6, 41151), (7, 41172), (Start: 8 @41178 has 9 MA's), (15, 41328), (17, 41352), (26, 41430), (30, 41466), (32, 41499),

Gene: phiBT1_30 Start: 41438, Stop: 41785, Start Num: 8
Candidate Starts for phiBT1_30:
(Start: 8 @41438 has 9 MA's), (13, 41528), (15, 41588), (16, 41600), (18, 41621), (20, 41630), (22, 41645), (23, 41660), (28, 41717), (32, 41759),