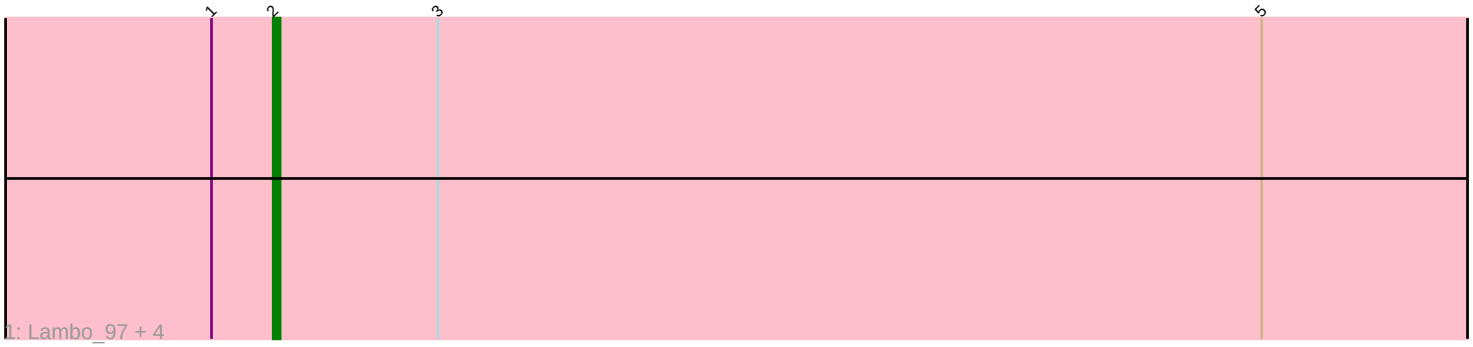
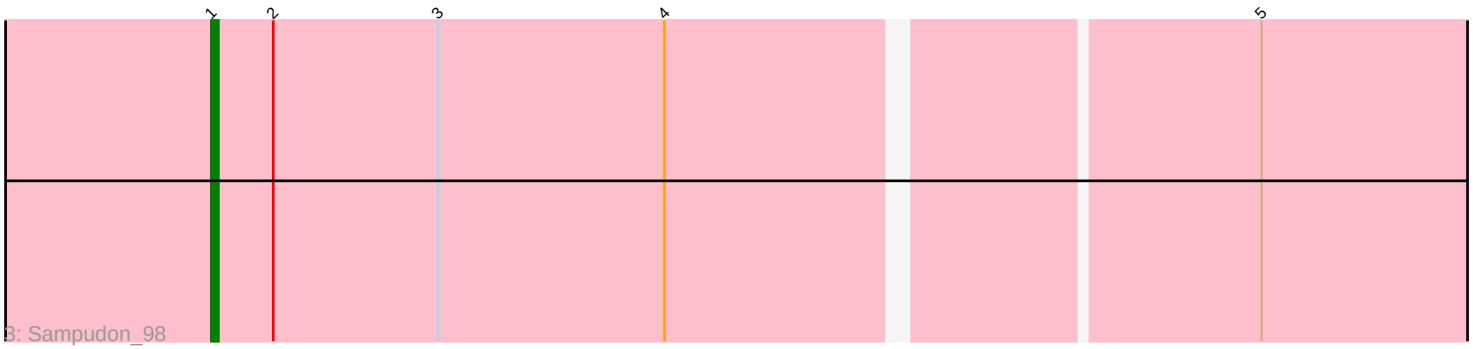
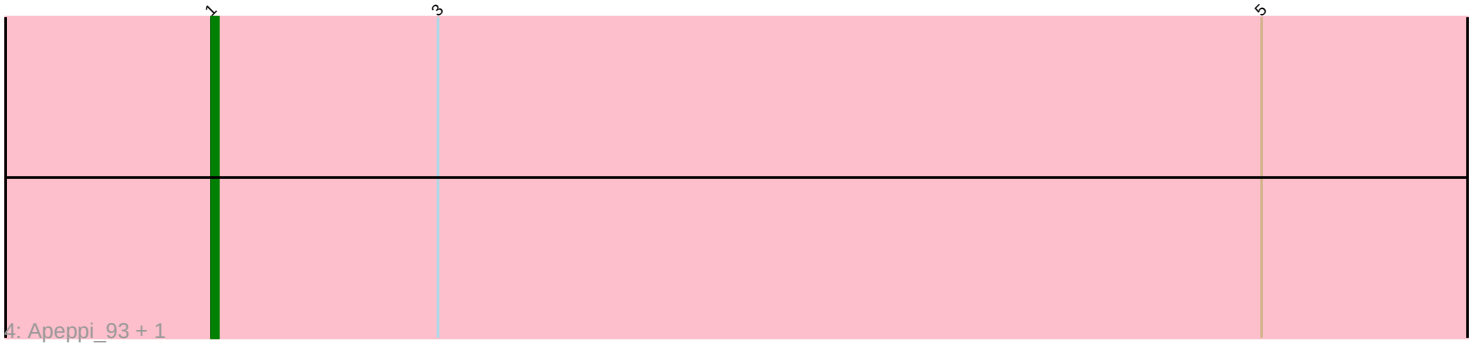
Pham 335076


1
2
3
5
1: Lambo_97 + 4


1
2
3
5
2: Lila22_96 + 25


1
2
3
4
5
3: Sampudon_98


1
3
5
4: Apeppi_93 + 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 335076 Report

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

Pham number 335076 has 34 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Lambo_97, ParvusTarda_97, Erutan_95, Ranch_100, Rumi_94
• Track 2 : Lila22_96, Patos_101, Astralis_93, Tillicus_89, Genamy16_96, GretelLyn_96, DaviePasture_97, Fulcrum_96, Yikes_97, DoobyDoo_96, Mima20_95, BirthdayBoy_98, RazorC_93, GOATification_96, OtterstedtS21_97, LavAbarElk_96, Sadboi_96, NorManre_101, NovaSharks_95, Gibbin_98, Nettle_98, Charminar_92, Stormer_94, Riduram_92, MoiGyank_99, Alyssamiracle_96
• Track 3 : Sampudon_98
• Track 4 : Apeppi_93, LuckyLeo_95

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 27 of the 32 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alyssamiracle_96, Apeppi_93, Astralis_93, BirthdayBoy_98, Charminar_92, DaviePasture_97, DoobyDoo_96, Fulcrum_96, GOATification_96, Genamy16_96, Gibbin_98, GretelLyn_96, LavAbarElk_96, Lila22_96, LuckyLeo_95, Mima20_95, MoiGyank_99, Nettle_98, NorManre_101, NovaSharks_95, OtterstedtS21_97, Patos_101, RazorC_93, Riduram_92, Sadboi_96, Sampudon_98, Stormer_94, Tillicus_89, Yikes_97,

Genes that have the "Most Annotated" start but do not call it:
• Erutan_95, Lambo_97, ParvusTarda_97, Ranch_100, Rumi_94,

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

Summary by start number:

Start 1:
• Found in 34 of 34 (100.0%) of genes in pham
• Manual Annotations of this start: 27 of 32
• Called 85.3% of time when present

• Phage (with cluster) where this start called: Alyssamiracle_96 (DV), Apeppi_93 (DV), Astralis_93 (DV), BirthdayBoy_98 (DV), Charminar_92 (DV), DaviePasture_97 (DV), DoobyDoo_96 (DV), Fulcrum_96 (DV), GOATification_96 (DV), Genamy16_96 (DV), Gibbin_98 (DV), GretelLyn_96 (DV), LavAbarElk_96 (DV), Lila22_96 (DV), LuckyLeo_95 (DV), Mima20_95 (DV), MoiGyank_99 (DV), Nettle_98 (DV), NorManre_101 (DV), NovaSharks_95 (DV), OtterstedtS21_97 (DV), Patos_101 (DV), RazorC_93 (DV), Riduram_92 (DV), Sadboi_96 (DV), Sampudon_98 (DV), Stormer_94 (DV), Tillicus_89 (DV), Yikes_97 (DV),

Start 2:
• Found in 32 of 34 (94.1%) of genes in pham
• Manual Annotations of this start: 5 of 32
• Called 15.6% of time when present
• Phage (with cluster) where this start called: Erutan_95 (DV), Lambo_97 (DV), ParvusTarda_97 (DV), Ranch_100 (DV), Rumi_94 (DV),

Summary by clusters:

There is one cluster represented in this pham: DV

Info for manual annotations of cluster DV:
•Start number 1 was manually annotated 27 times for cluster DV.
•Start number 2 was manually annotated 5 times for cluster DV.

Gene Information:

Gene: Alyssamiracle_96 Start: 64897, Stop: 65112, Start Num: 1
Candidate Starts for Alyssamiracle_96:
(Start: 1 @64897 has 27 MA's), (Start: 2 @64906 has 5 MA's), (3, 64930), (5, 65050),

Gene: Apeppi_93 Start: 66609, Stop: 66824, Start Num: 1
Candidate Starts for Apeppi_93:
(Start: 1 @66609 has 27 MA's), (3, 66642), (5, 66762),

Gene: Astralis_93 Start: 64424, Stop: 64639, Start Num: 1
Candidate Starts for Astralis_93:
(Start: 1 @64424 has 27 MA's), (Start: 2 @64433 has 5 MA's), (3, 64457), (5, 64577),

Gene: BirthdayBoy_98 Start: 67011, Stop: 67220, Start Num: 1
Candidate Starts for BirthdayBoy_98:
(Start: 1 @67011 has 27 MA's), (Start: 2 @67020 has 5 MA's), (3, 67044), (5, 67158),

Gene: Charminar_92 Start: 64216, Stop: 64431, Start Num: 1
Candidate Starts for Charminar_92:
(Start: 1 @64216 has 27 MA's), (Start: 2 @64225 has 5 MA's), (3, 64249), (5, 64369),

Gene: DaviePasture_97 Start: 66985, Stop: 67200, Start Num: 1
Candidate Starts for DaviePasture_97:
(Start: 1 @66985 has 27 MA's), (Start: 2 @66994 has 5 MA's), (3, 67018), (5, 67138),

Gene: DoobyDoo_96 Start: 65719, Stop: 65934, Start Num: 1

Candidate Starts for DoobyDoo_96:
(Start: 1 @65719 has 27 MA's), (Start: 2 @65728 has 5 MA's), (3, 65752), (5, 65872),

Gene: Erutan_95 Start: 66339, Stop: 66545, Start Num: 2
Candidate Starts for Erutan_95:
(Start: 1 @66330 has 27 MA's), (Start: 2 @66339 has 5 MA's), (3, 66363), (5, 66483),

Gene: Fulcrum_96 Start: 66978, Stop: 67193, Start Num: 1
Candidate Starts for Fulcrum_96:
(Start: 1 @66978 has 27 MA's), (Start: 2 @66987 has 5 MA's), (3, 67011), (5, 67131),

Gene: GOATification_96 Start: 66978, Stop: 67193, Start Num: 1
Candidate Starts for GOATification_96:
(Start: 1 @66978 has 27 MA's), (Start: 2 @66987 has 5 MA's), (3, 67011), (5, 67131),

Gene: Genamy16_96 Start: 64946, Stop: 65161, Start Num: 1
Candidate Starts for Genamy16_96:
(Start: 1 @64946 has 27 MA's), (Start: 2 @64955 has 5 MA's), (3, 64979), (5, 65099),

Gene: Gibbin_98 Start: 67155, Stop: 67370, Start Num: 1
Candidate Starts for Gibbin_98:
(Start: 1 @67155 has 27 MA's), (Start: 2 @67164 has 5 MA's), (3, 67188), (5, 67308),

Gene: GretelLyn_96 Start: 66982, Stop: 67191, Start Num: 1
Candidate Starts for GretelLyn_96:
(Start: 1 @66982 has 27 MA's), (Start: 2 @66991 has 5 MA's), (3, 67015), (5, 67129),

Gene: Lambo_97 Start: 67194, Stop: 67400, Start Num: 2
Candidate Starts for Lambo_97:
(Start: 1 @67185 has 27 MA's), (Start: 2 @67194 has 5 MA's), (3, 67218), (5, 67338),

Gene: LavAbarElk_96 Start: 66101, Stop: 66310, Start Num: 1
Candidate Starts for LavAbarElk_96:
(Start: 1 @66101 has 27 MA's), (Start: 2 @66110 has 5 MA's), (3, 66134), (5, 66248),

Gene: Lila22_96 Start: 66955, Stop: 67164, Start Num: 1
Candidate Starts for Lila22_96:
(Start: 1 @66955 has 27 MA's), (Start: 2 @66964 has 5 MA's), (3, 66988), (5, 67102),

Gene: LuckyLeo_95 Start: 66609, Stop: 66824, Start Num: 1
Candidate Starts for LuckyLeo_95:
(Start: 1 @66609 has 27 MA's), (3, 66642), (5, 66762),

Gene: Mima20_95 Start: 66712, Stop: 66927, Start Num: 1
Candidate Starts for Mima20_95:
(Start: 1 @66712 has 27 MA's), (Start: 2 @66721 has 5 MA's), (3, 66745), (5, 66865),

Gene: MoiGyank_99 Start: 67191, Stop: 67406, Start Num: 1
Candidate Starts for MoiGyank_99:
(Start: 1 @67191 has 27 MA's), (Start: 2 @67200 has 5 MA's), (3, 67224), (5, 67344),

Gene: Nettle_98 Start: 67634, Stop: 67843, Start Num: 1
Candidate Starts for Nettle_98:

(Start: 1 @67634 has 27 MA's), (Start: 2 @67643 has 5 MA's), (3, 67667), (5, 67781),

Gene: NorManre_101 Start: 68221, Stop: 68436, Start Num: 1
Candidate Starts for NorManre_101:
(Start: 1 @68221 has 27 MA's), (Start: 2 @68230 has 5 MA's), (3, 68254), (5, 68374),

Gene: NovaSharks_95 Start: 64646, Stop: 64861, Start Num: 1
Candidate Starts for NovaSharks_95:
(Start: 1 @64646 has 27 MA's), (Start: 2 @64655 has 5 MA's), (3, 64679), (5, 64799),

Gene: OtterstedtS21_97 Start: 67066, Stop: 67275, Start Num: 1
Candidate Starts for OtterstedtS21_97:
(Start: 1 @67066 has 27 MA's), (Start: 2 @67075 has 5 MA's), (3, 67099), (5, 67213),

Gene: ParvusTarda_97 Start: 66660, Stop: 66866, Start Num: 2
Candidate Starts for ParvusTarda_97:
(Start: 1 @66651 has 27 MA's), (Start: 2 @66660 has 5 MA's), (3, 66684), (5, 66804),

Gene: Patos_101 Start: 68220, Stop: 68435, Start Num: 1
Candidate Starts for Patos_101:
(Start: 1 @68220 has 27 MA's), (Start: 2 @68229 has 5 MA's), (3, 68253), (5, 68373),

Gene: Ranch_100 Start: 66276, Stop: 66479, Start Num: 2
Candidate Starts for Ranch_100:
(Start: 1 @66267 has 27 MA's), (Start: 2 @66276 has 5 MA's), (3, 66300), (5, 66417),

Gene: RazorC_93 Start: 64579, Stop: 64794, Start Num: 1
Candidate Starts for RazorC_93:
(Start: 1 @64579 has 27 MA's), (Start: 2 @64588 has 5 MA's), (3, 64612), (5, 64732),

Gene: Riduram_92 Start: 64286, Stop: 64501, Start Num: 1
Candidate Starts for Riduram_92:
(Start: 1 @64286 has 27 MA's), (Start: 2 @64295 has 5 MA's), (3, 64319), (5, 64439),

Gene: Rumi_94 Start: 64250, Stop: 64456, Start Num: 2
Candidate Starts for Rumi_94:
(Start: 1 @64241 has 27 MA's), (Start: 2 @64250 has 5 MA's), (3, 64274), (5, 64394),

Gene: Sadboi_96 Start: 66862, Stop: 67071, Start Num: 1
Candidate Starts for Sadboi_96:
(Start: 1 @66862 has 27 MA's), (Start: 2 @66871 has 5 MA's), (3, 66895), (5, 67009),

Gene: Sampudon_98 Start: 67877, Stop: 68086, Start Num: 1
Candidate Starts for Sampudon_98:
(Start: 1 @67877 has 27 MA's), (Start: 2 @67886 has 5 MA's), (3, 67910), (4, 67943), (5, 68024),

Gene: Stormer_94 Start: 64353, Stop: 64568, Start Num: 1
Candidate Starts for Stormer_94:
(Start: 1 @64353 has 27 MA's), (Start: 2 @64362 has 5 MA's), (3, 64386), (5, 64506),

Gene: Tillicus_89 Start: 65965, Stop: 66180, Start Num: 1
Candidate Starts for Tillicus_89:
(Start: 1 @65965 has 27 MA's), (Start: 2 @65974 has 5 MA's), (3, 65998), (5, 66118),

Gene: Yikes_97 Start: 67526, Stop: 67741, Start Num: 1
Candidate Starts for Yikes_97:
(Start: 1 @67526 has 27 MA's), (Start: 2 @67535 has 5 MA's), (3, 67559), (5, 67679),