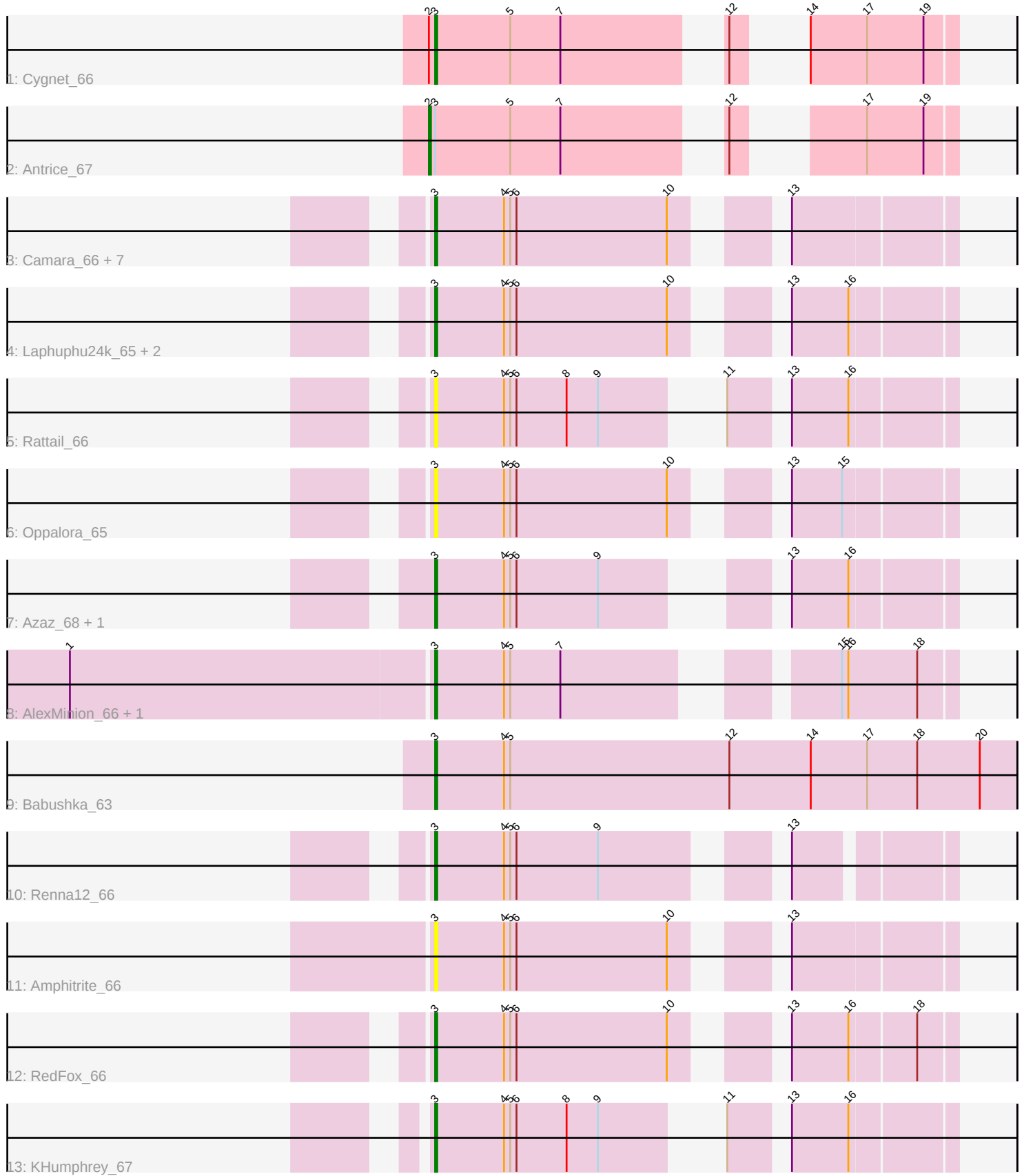


Pham 247405



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 247405 Report

This analysis was run 02/07/26 on database version 634.

Pham number 247405 has 24 members, 10 are drafts.

Phages represented in each track:

- Track 1 : Cygnet_66
- Track 2 : Antrice_67
- Track 3 : Camara_66, Glotell_68, DanHam62_66, Fingolfin_66, AdoptaAdorbs_65, AmiCi24_65, Juno112_65, Atlantica_67
- Track 4 : Laphuphu24k_65, HamCheese_66, PhluffyCoco_66
- Track 5 : Rattail_66
- Track 6 : Oppalora_65
- Track 7 : Azaz_68, Leona_64
- Track 8 : AlexMinion_66, StuartMinion_56
- Track 9 : Babushka_63
- Track 10 : Renna12_66
- Track 11 : Amphitrite_66
- Track 12 : RedFox_66
- Track 13 : KHumphrey_67

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 13 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AdoptaAdorbs_65, AlexMinion_66, AmiCi24_65, Amphitrite_66, Atlantica_67, Azaz_68, Babushka_63, Camara_66, Cygnet_66, DanHam62_66, Fingolfin_66, Glotell_68, HamCheese_66, Juno112_65, KHumphrey_67, Laphuphu24k_65, Leona_64, Oppalora_65, PhluffyCoco_66, Rattail_66, RedFox_66, Renna12_66, StuartMinion_56,

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

- Antrice_67,

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

-

Summary by start number:

Start 2:

- Found in 2 of 24 (8.3%) of genes in pham
- Manual Annotations of this start: 1 of 14
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Antrice_67 (AS2),

Start 3:

- Found in 24 of 24 (100.0%) of genes in pham
- Manual Annotations of this start: 13 of 14
- Called 95.8% of time when present
- Phage (with cluster) where this start called: AdoptaAdorbs_65 (AS3), AlexMinion_66 (AS3), AmiCi24_65 (AS3), Amphitrite_66 (AS3), Atlantica_67 (AS3), Azaz_68 (AS3), Babushka_63 (AS3), Camara_66 (AS3), Cygnet_66 (AS2), DanHam62_66 (AS3), Fingolfin_66 (AS3), Glotell_68 (AS3), HamCheese_66 (AS3), Juno112_65 (AS3), KHumphrey_67 (AS3), Laphuphu24k_65 (AS3), Leona_64 (AS3), Oppalora_65 (AS3), PhluffyCoco_66 (AS3), Rattail_66 (AS3), RedFox_66 (AS3), Renna12_66 (AS3), StuartMinion_56 (AS3),

Summary by clusters:

There are 2 clusters represented in this pham: AS3, AS2,

Info for manual annotations of cluster AS2:

- Start number 2 was manually annotated 1 time for cluster AS2.
- Start number 3 was manually annotated 1 time for cluster AS2.

Info for manual annotations of cluster AS3:

- Start number 3 was manually annotated 12 times for cluster AS3.

Gene Information:

Gene: AdoptaAdorbs_65 Start: 37096, Stop: 37314, Start Num: 3

Candidate Starts for AdoptaAdorbs_65:

(Start: 3 @37096 has 13 MA's), (4, 37129), (5, 37132), (6, 37135), (10, 37207), (13, 37240),

Gene: AlexMinion_66 Start: 36774, Stop: 36989, Start Num: 3

Candidate Starts for AlexMinion_66:

(1, 36603), (Start: 3 @36774 has 13 MA's), (4, 36807), (5, 36810), (7, 36834), (15, 36936), (16, 36939), (18, 36972),

Gene: AmiCi24_65 Start: 37205, Stop: 37423, Start Num: 3

Candidate Starts for AmiCi24_65:

(Start: 3 @37205 has 13 MA's), (4, 37238), (5, 37241), (6, 37244), (10, 37316), (13, 37349),

Gene: Amphitrite_66 Start: 37110, Stop: 37328, Start Num: 3

Candidate Starts for Amphitrite_66:

(Start: 3 @37110 has 13 MA's), (4, 37143), (5, 37146), (6, 37149), (10, 37221), (13, 37254),

Gene: Antrice_67 Start: 37042, Stop: 37242, Start Num: 2

Candidate Starts for Antrice_67:

(Start: 2 @37042 has 1 MA's), (Start: 3 @37045 has 13 MA's), (5, 37081), (7, 37105), (12, 37165), (17, 37201), (19, 37228),

Gene: Atlantica_67 Start: 37207, Stop: 37425, Start Num: 3

Candidate Starts for Atlantica_67:

(Start: 3 @37207 has 13 MA's), (4, 37240), (5, 37243), (6, 37246), (10, 37318), (13, 37351),

Gene: Azaz_68 Start: 37300, Stop: 37506, Start Num: 3

Candidate Starts for Azaz_68:

(Start: 3 @37300 has 13 MA's), (4, 37333), (5, 37336), (6, 37339), (9, 37378), (13, 37432), (16, 37459),

Gene: Babushka_63 Start: 36997, Stop: 37275, Start Num: 3

Candidate Starts for Babushka_63:

(Start: 3 @36997 has 13 MA's), (4, 37030), (5, 37033), (12, 37138), (14, 37177), (17, 37204), (18, 37228), (20, 37258),

Gene: Camara_66 Start: 37098, Stop: 37316, Start Num: 3

Candidate Starts for Camara_66:

(Start: 3 @37098 has 13 MA's), (4, 37131), (5, 37134), (6, 37137), (10, 37209), (13, 37242),

Gene: Cygnet_66 Start: 37535, Stop: 37732, Start Num: 3

Candidate Starts for Cygnet_66:

(Start: 2 @37532 has 1 MA's), (Start: 3 @37535 has 13 MA's), (5, 37571), (7, 37595), (12, 37655), (14, 37664), (17, 37691), (19, 37718),

Gene: DanHam62_66 Start: 37206, Stop: 37424, Start Num: 3

Candidate Starts for DanHam62_66:

(Start: 3 @37206 has 13 MA's), (4, 37239), (5, 37242), (6, 37245), (10, 37317), (13, 37350),

Gene: Fingolfin_66 Start: 37209, Stop: 37427, Start Num: 3

Candidate Starts for Fingolfin_66:

(Start: 3 @37209 has 13 MA's), (4, 37242), (5, 37245), (6, 37248), (10, 37320), (13, 37353),

Gene: Glotell_68 Start: 37253, Stop: 37471, Start Num: 3

Candidate Starts for Glotell_68:

(Start: 3 @37253 has 13 MA's), (4, 37286), (5, 37289), (6, 37292), (10, 37364), (13, 37397),

Gene: HamCheese_66 Start: 37193, Stop: 37411, Start Num: 3

Candidate Starts for HamCheese_66:

(Start: 3 @37193 has 13 MA's), (4, 37226), (5, 37229), (6, 37232), (10, 37304), (13, 37337), (16, 37364),

Gene: Juno112_65 Start: 37209, Stop: 37427, Start Num: 3

Candidate Starts for Juno112_65:

(Start: 3 @37209 has 13 MA's), (4, 37242), (5, 37245), (6, 37248), (10, 37320), (13, 37353),

Gene: KHumphrey_67 Start: 37094, Stop: 37300, Start Num: 3

Candidate Starts for KHumphrey_67:

(Start: 3 @37094 has 13 MA's), (4, 37127), (5, 37130), (6, 37133), (8, 37157), (9, 37172), (11, 37205), (13, 37226), (16, 37253),

Gene: Laphuphu24k_65 Start: 37193, Stop: 37411, Start Num: 3

Candidate Starts for Laphuphu24k_65:

(Start: 3 @37193 has 13 MA's), (4, 37226), (5, 37229), (6, 37232), (10, 37304), (13, 37337), (16, 37364),

Gene: Leona_64 Start: 37304, Stop: 37510, Start Num: 3

Candidate Starts for Leona_64:

(Start: 3 @37304 has 13 MA's), (4, 37337), (5, 37340), (6, 37343), (9, 37382), (13, 37436), (16, 37463),

Gene: Oppalora_65 Start: 37207, Stop: 37425, Start Num: 3

Candidate Starts for Oppalora_65:

(Start: 3 @37207 has 13 MA's), (4, 37240), (5, 37243), (6, 37246), (10, 37318), (13, 37351), (15, 37375),

Gene: PhluffyCoco_66 Start: 37308, Stop: 37526, Start Num: 3

Candidate Starts for PhluffyCoco_66:

(Start: 3 @37308 has 13 MA's), (4, 37341), (5, 37344), (6, 37347), (10, 37419), (13, 37452), (16, 37479),

Gene: Rattail_66 Start: 37393, Stop: 37599, Start Num: 3

Candidate Starts for Rattail_66:

(Start: 3 @37393 has 13 MA's), (4, 37426), (5, 37429), (6, 37432), (8, 37456), (9, 37471), (11, 37504), (13, 37525), (16, 37552),

Gene: RedFox_66 Start: 37306, Stop: 37524, Start Num: 3

Candidate Starts for RedFox_66:

(Start: 3 @37306 has 13 MA's), (4, 37339), (5, 37342), (6, 37345), (10, 37417), (13, 37450), (16, 37477), (18, 37507),

Gene: Renna12_66 Start: 37425, Stop: 37637, Start Num: 3

Candidate Starts for Renna12_66:

(Start: 3 @37425 has 13 MA's), (4, 37458), (5, 37461), (6, 37464), (9, 37503), (13, 37569),

Gene: StuartMinion_56 Start: 33673, Stop: 33888, Start Num: 3

Candidate Starts for StuartMinion_56:

(1, 33502), (Start: 3 @33673 has 13 MA's), (4, 33706), (5, 33709), (7, 33733), (15, 33835), (16, 33838), (18, 33871),