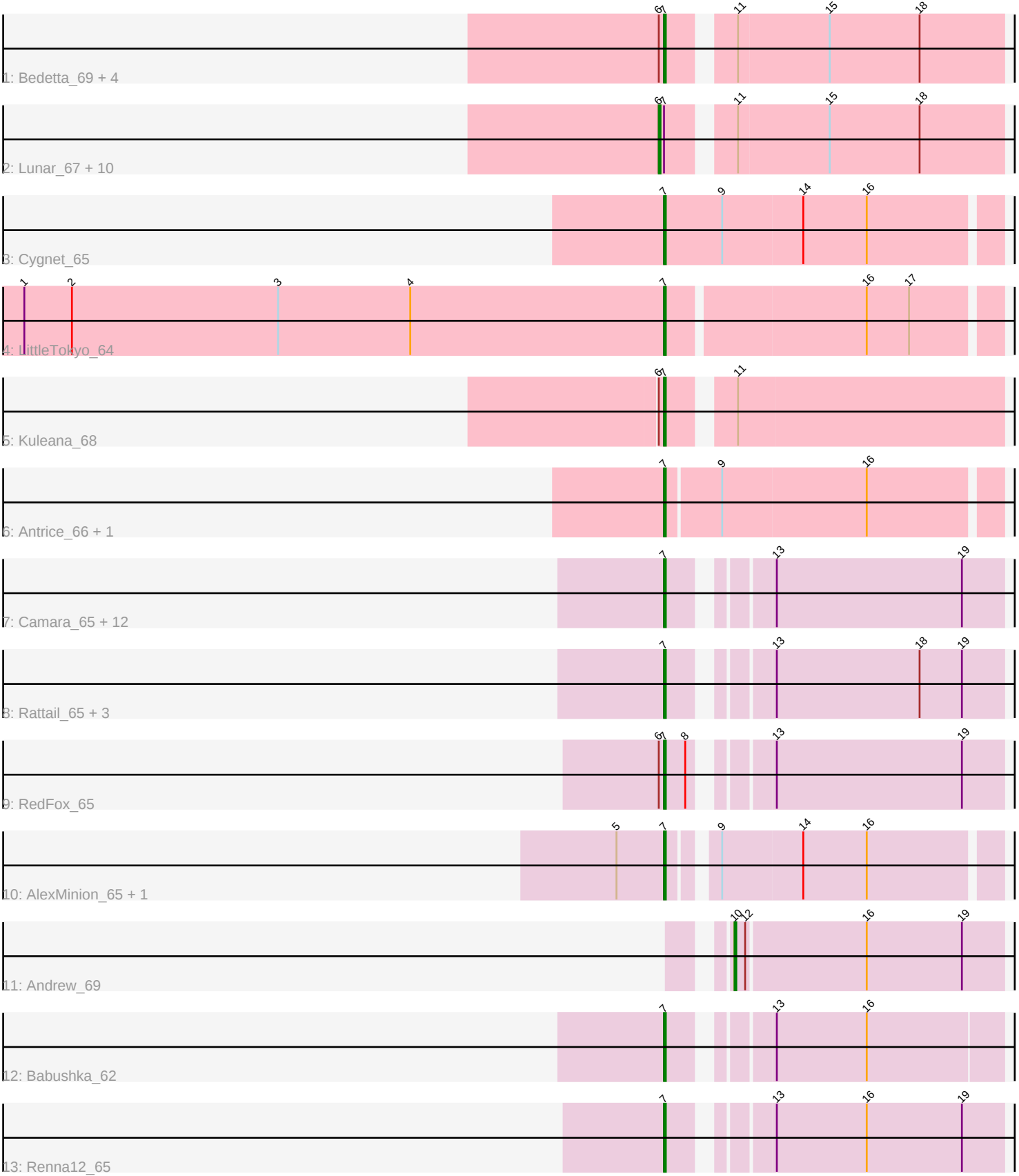


Pham 231577



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 231577 Report

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

Pham number 231577 has 44 members, 15 are drafts.

Phages represented in each track:

- Track 1 : Bedetta_69, OtsoOtso_65, Jerole_65, HannahPhantana_66, Bibble12_69
- Track 2 : Lunar_67, Pineda_68, Daob_66, Colusalem_65, Kepler_66, PhirstandPhine_72, Amelia_64, Melons_67, Coral_65, Polka_64, Cote_68
- Track 3 : Cygnet_65
- Track 4 : LittleTokyo_64
- Track 5 : Kuleana_68
- Track 6 : Antrice_66, Zhuangyuan_73
- Track 7 : Camara_65, Laphuphu24k_64, Oppalora_64, HamCheese_65, DanHam62_65, PhluffyCoco_65, Amphitrite_65, AdoptaAdorbs_64, AmiCi24_64, Juno112_64, Fingolfin_65, Glotell_67, Atlantica_66
- Track 8 : Rattail_65, Azaz_67, Leona_63, KHumphrey_66
- Track 9 : RedFox_65
- Track 10 : AlexMinion_65, StuartMinion_55
- Track 11 : Andrew_69
- Track 12 : Babushka_62
- Track 13 : Renna12_65

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

The start number called the most often in the published annotations is 7, it was called in 19 of the 29 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AdoptaAdorbs_64, AlexMinion_65, AmiCi24_64, Amphitrite_65, Antrice_66, Atlantica_66, Azaz_67, Babushka_62, Bedetta_69, Bibble12_69, Camara_65, Cygnet_65, DanHam62_65, Fingolfin_65, Glotell_67, HamCheese_65, HannahPhantana_66, Jerole_65, Juno112_64, KHumphrey_66, Kuleana_68, Laphuphu24k_64, Leona_63, LittleTokyo_64, Oppalora_64, OtsoOtso_65, PhluffyCoco_65, Rattail_65, RedFox_65, Renna12_65, StuartMinion_55, Zhuangyuan_73,

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

- Amelia_64, Colusalem_65, Coral_65, Cote_68, Daob_66, Kepler_66, Lunar_67, Melons_67, PhirstandPhine_72, Pineda_68, Polka_64,

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

- Andrew_69,

Summary by start number:

Start 6:

- Found in 18 of 44 (40.9%) of genes in pham
- Manual Annotations of this start: 9 of 29
- Called 61.1% of time when present
- Phage (with cluster) where this start called: Amelia_64 (AS2), Colusalem_65 (AS2), Coral_65 (AS2), Cote_68 (AS2), Daob_66 (AS2), Kepler_66 (AS2), Lunar_67 (AS2), Melons_67 (AS2), PhirstandPhine_72 (AS2), Pineda_68 (AS2), Polka_64 (AS2),

Start 7:

- Found in 43 of 44 (97.7%) of genes in pham
- Manual Annotations of this start: 19 of 29
- Called 74.4% of time when present
- Phage (with cluster) where this start called: AdoptaAdorbs_64 (AS3), AlexMinion_65 (AS3), AmiCi24_64 (AS3), Amphitrite_65 (AS3), Antrice_66 (AS2), Atlantica_66 (AS3), Azaz_67 (AS3), Babushka_62 (AS3), Bedetta_69 (AS2), Bibble12_69 (AS2), Camara_65 (AS3), Cygnet_65 (AS2), DanHam62_65 (AS3), Fingolfin_65 (AS3), Glotell_67 (AS3), HamCheese_65 (AS3), HannahPhantana_66 (AS2), Jerole_65 (AS2), Juno112_64 (AS3), KHumphrey_66 (AS3), Kuleana_68 (AS2), Laphuphu24k_64 (AS3), Leona_63 (AS3), LittleTokyo_64 (AS2), Oppalora_64 (AS3), OtsoOtso_65 (AS2), PhluffyCoco_65 (AS3), Rattail_65 (AS3), RedFox_65 (AS3), Renna12_65 (AS3), StuartMinion_55 (AS3), Zhuangyuan_73 (AS2),

Start 10:

- Found in 1 of 44 (2.3%) of genes in pham
- Manual Annotations of this start: 1 of 29
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Andrew_69 (AS3),

Summary by clusters:

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

Info for manual annotations of cluster AS2:

- Start number 6 was manually annotated 9 times for cluster AS2.
- Start number 7 was manually annotated 7 times for cluster AS2.

Info for manual annotations of cluster AS3:

- Start number 7 was manually annotated 12 times for cluster AS3.
- Start number 10 was manually annotated 1 time for cluster AS3.

Gene Information:

Gene: AdoptaAdorbs_64 Start: 36908, Stop: 37099, Start Num: 7

Candidate Starts for AdoptaAdorbs_64:

(Start: 7 @36908 has 19 MA's), (13, 36953), (19, 37058),

Gene: AlexMinion_65 Start: 36589, Stop: 36777, Start Num: 7

Candidate Starts for AlexMinion_65:

(5, 36562), (Start: 7 @36589 has 19 MA's), (9, 36610), (14, 36655), (16, 36691),

Gene: Amelia_64 Start: 36351, Stop: 36548, Start Num: 6

Candidate Starts for Amelia_64:

(Start: 6 @36351 has 9 MA's), (Start: 7 @36354 has 19 MA's), (11, 36384), (15, 36435), (18, 36486),

Gene: AmiCi24_64 Start: 37017, Stop: 37208, Start Num: 7

Candidate Starts for AmiCi24_64:

(Start: 7 @37017 has 19 MA's), (13, 37062), (19, 37167),

Gene: Amphitrite_65 Start: 36907, Stop: 37113, Start Num: 7

Candidate Starts for Amphitrite_65:

(Start: 7 @36907 has 19 MA's), (13, 36952), (19, 37057),

Gene: Andrew_69 Start: 37385, Stop: 37558, Start Num: 10

Candidate Starts for Andrew_69:

(Start: 10 @37385 has 1 MA's), (12, 37391), (16, 37457), (19, 37511),

Gene: Antrice_66 Start: 36848, Stop: 37045, Start Num: 7

Candidate Starts for Antrice_66:

(Start: 7 @36848 has 19 MA's), (9, 36878), (16, 36959),

Gene: Atlantica_66 Start: 37019, Stop: 37210, Start Num: 7

Candidate Starts for Atlantica_66:

(Start: 7 @37019 has 19 MA's), (13, 37064), (19, 37169),

Gene: Azaz_67 Start: 37109, Stop: 37297, Start Num: 7

Candidate Starts for Azaz_67:

(Start: 7 @37109 has 19 MA's), (13, 37154), (18, 37235), (19, 37259),

Gene: Babushka_62 Start: 36809, Stop: 37000, Start Num: 7

Candidate Starts for Babushka_62:

(Start: 7 @36809 has 19 MA's), (13, 36854), (16, 36905),

Gene: Bedetta_69 Start: 36517, Stop: 36711, Start Num: 7

Candidate Starts for Bedetta_69:

(Start: 6 @36514 has 9 MA's), (Start: 7 @36517 has 19 MA's), (11, 36547), (15, 36598), (18, 36649),

Gene: Bibble12_69 Start: 36649, Stop: 36843, Start Num: 7

Candidate Starts for Bibble12_69:

(Start: 6 @36646 has 9 MA's), (Start: 7 @36649 has 19 MA's), (11, 36679), (15, 36730), (18, 36781),

Gene: Camara_65 Start: 36910, Stop: 37101, Start Num: 7

Candidate Starts for Camara_65:

(Start: 7 @36910 has 19 MA's), (13, 36955), (19, 37060),

Gene: Colusalem_65 Start: 36328, Stop: 36525, Start Num: 6

Candidate Starts for Colusalem_65:

(Start: 6 @36328 has 9 MA's), (Start: 7 @36331 has 19 MA's), (11, 36361), (15, 36412), (18, 36463),

Gene: Coral_65 Start: 36549, Stop: 36746, Start Num: 6
Candidate Starts for Coral_65:
(Start: 6 @36549 has 9 MA's), (Start: 7 @36552 has 19 MA's), (11, 36582), (15, 36633), (18, 36684),

Gene: Cote_68 Start: 36989, Stop: 37186, Start Num: 6
Candidate Starts for Cote_68:
(Start: 6 @36989 has 9 MA's), (Start: 7 @36992 has 19 MA's), (11, 37022), (15, 37073), (18, 37124),

Gene: Cygnet_65 Start: 37335, Stop: 37535, Start Num: 7
Candidate Starts for Cygnet_65:
(Start: 7 @37335 has 19 MA's), (9, 37368), (14, 37413), (16, 37449),

Gene: DanHam62_65 Start: 37018, Stop: 37209, Start Num: 7
Candidate Starts for DanHam62_65:
(Start: 7 @37018 has 19 MA's), (13, 37063), (19, 37168),

Gene: Daob_66 Start: 36332, Stop: 36529, Start Num: 6
Candidate Starts for Daob_66:
(Start: 6 @36332 has 9 MA's), (Start: 7 @36335 has 19 MA's), (11, 36365), (15, 36416), (18, 36467),

Gene: Fingolfin_65 Start: 37021, Stop: 37212, Start Num: 7
Candidate Starts for Fingolfin_65:
(Start: 7 @37021 has 19 MA's), (13, 37066), (19, 37171),

Gene: Glotell_67 Start: 37065, Stop: 37256, Start Num: 7
Candidate Starts for Glotell_67:
(Start: 7 @37065 has 19 MA's), (13, 37110), (19, 37215),

Gene: HamCheese_65 Start: 37005, Stop: 37196, Start Num: 7
Candidate Starts for HamCheese_65:
(Start: 7 @37005 has 19 MA's), (13, 37050), (19, 37155),

Gene: HannahPhantana_66 Start: 36349, Stop: 36543, Start Num: 7
Candidate Starts for HannahPhantana_66:
(Start: 6 @36346 has 9 MA's), (Start: 7 @36349 has 19 MA's), (11, 36379), (15, 36430), (18, 36481),

Gene: Jerole_65 Start: 36473, Stop: 36667, Start Num: 7
Candidate Starts for Jerole_65:
(Start: 6 @36470 has 9 MA's), (Start: 7 @36473 has 19 MA's), (11, 36503), (15, 36554), (18, 36605),

Gene: Juno112_64 Start: 37021, Stop: 37212, Start Num: 7
Candidate Starts for Juno112_64:
(Start: 7 @37021 has 19 MA's), (13, 37066), (19, 37171),

Gene: KHumphrey_66 Start: 36909, Stop: 37097, Start Num: 7
Candidate Starts for KHumphrey_66:
(Start: 7 @36909 has 19 MA's), (13, 36954), (18, 37035), (19, 37059),

Gene: Kepler_66 Start: 36335, Stop: 36532, Start Num: 6
Candidate Starts for Kepler_66:
(Start: 6 @36335 has 9 MA's), (Start: 7 @36338 has 19 MA's), (11, 36368), (15, 36419), (18, 36470),

Gene: Kuleana_68 Start: 37045, Stop: 37245, Start Num: 7

Candidate Starts for Kuleana_68:

(Start: 6 @37042 has 9 MA's), (Start: 7 @37045 has 19 MA's), (11, 37075),

Gene: Laphuphu24k_64 Start: 37005, Stop: 37196, Start Num: 7

Candidate Starts for Laphuphu24k_64:

(Start: 7 @37005 has 19 MA's), (13, 37050), (19, 37155),

Gene: Leona_63 Start: 37113, Stop: 37301, Start Num: 7

Candidate Starts for Leona_63:

(Start: 7 @37113 has 19 MA's), (13, 37158), (18, 37239), (19, 37263),

Gene: LittleTokyo_64 Start: 35635, Stop: 35829, Start Num: 7

Candidate Starts for LittleTokyo_64:

(1, 35272), (2, 35299), (3, 35416), (4, 35491), (Start: 7 @35635 has 19 MA's), (16, 35743), (17, 35767),

Gene: Lunar_67 Start: 36672, Stop: 36869, Start Num: 6

Candidate Starts for Lunar_67:

(Start: 6 @36672 has 9 MA's), (Start: 7 @36675 has 19 MA's), (11, 36705), (15, 36756), (18, 36807),

Gene: Melons_67 Start: 36588, Stop: 36785, Start Num: 6

Candidate Starts for Melons_67:

(Start: 6 @36588 has 9 MA's), (Start: 7 @36591 has 19 MA's), (11, 36621), (15, 36672), (18, 36723),

Gene: Oppalora_64 Start: 37019, Stop: 37210, Start Num: 7

Candidate Starts for Oppalora_64:

(Start: 7 @37019 has 19 MA's), (13, 37064), (19, 37169),

Gene: OtsoOtso_65 Start: 36204, Stop: 36398, Start Num: 7

Candidate Starts for OtsoOtso_65:

(Start: 6 @36201 has 9 MA's), (Start: 7 @36204 has 19 MA's), (11, 36234), (15, 36285), (18, 36336),

Gene: PhirstandPhine_72 Start: 36390, Stop: 36587, Start Num: 6

Candidate Starts for PhirstandPhine_72:

(Start: 6 @36390 has 9 MA's), (Start: 7 @36393 has 19 MA's), (11, 36423), (15, 36474), (18, 36525),

Gene: PhluffyCoco_65 Start: 37120, Stop: 37311, Start Num: 7

Candidate Starts for PhluffyCoco_65:

(Start: 7 @37120 has 19 MA's), (13, 37165), (19, 37270),

Gene: Pineda_68 Start: 36511, Stop: 36708, Start Num: 6

Candidate Starts for Pineda_68:

(Start: 6 @36511 has 9 MA's), (Start: 7 @36514 has 19 MA's), (11, 36544), (15, 36595), (18, 36646),

Gene: Polka_64 Start: 36201, Stop: 36398, Start Num: 6

Candidate Starts for Polka_64:

(Start: 6 @36201 has 9 MA's), (Start: 7 @36204 has 19 MA's), (11, 36234), (15, 36285), (18, 36336),

Gene: Rattail_65 Start: 37205, Stop: 37396, Start Num: 7

Candidate Starts for Rattail_65:

(Start: 7 @37205 has 19 MA's), (13, 37250), (18, 37331), (19, 37355),

Gene: RedFox_65 Start: 37118, Stop: 37309, Start Num: 7

Candidate Starts for RedFox_65:

(Start: 6 @37115 has 9 MA's), (Start: 7 @37118 has 19 MA's), (8, 37130), (13, 37163), (19, 37268),

Gene: Renna12_65 Start: 37237, Stop: 37428, Start Num: 7

Candidate Starts for Renna12_65:

(Start: 7 @37237 has 19 MA's), (13, 37282), (16, 37333), (19, 37387),

Gene: StuartMinion_55 Start: 33488, Stop: 33676, Start Num: 7

Candidate Starts for StuartMinion_55:

(5, 33461), (Start: 7 @33488 has 19 MA's), (9, 33509), (14, 33554), (16, 33590),

Gene: Zhuangyuan_73 Start: 37523, Stop: 37717, Start Num: 7

Candidate Starts for Zhuangyuan_73:

(Start: 7 @37523 has 19 MA's), (9, 37553), (16, 37634),