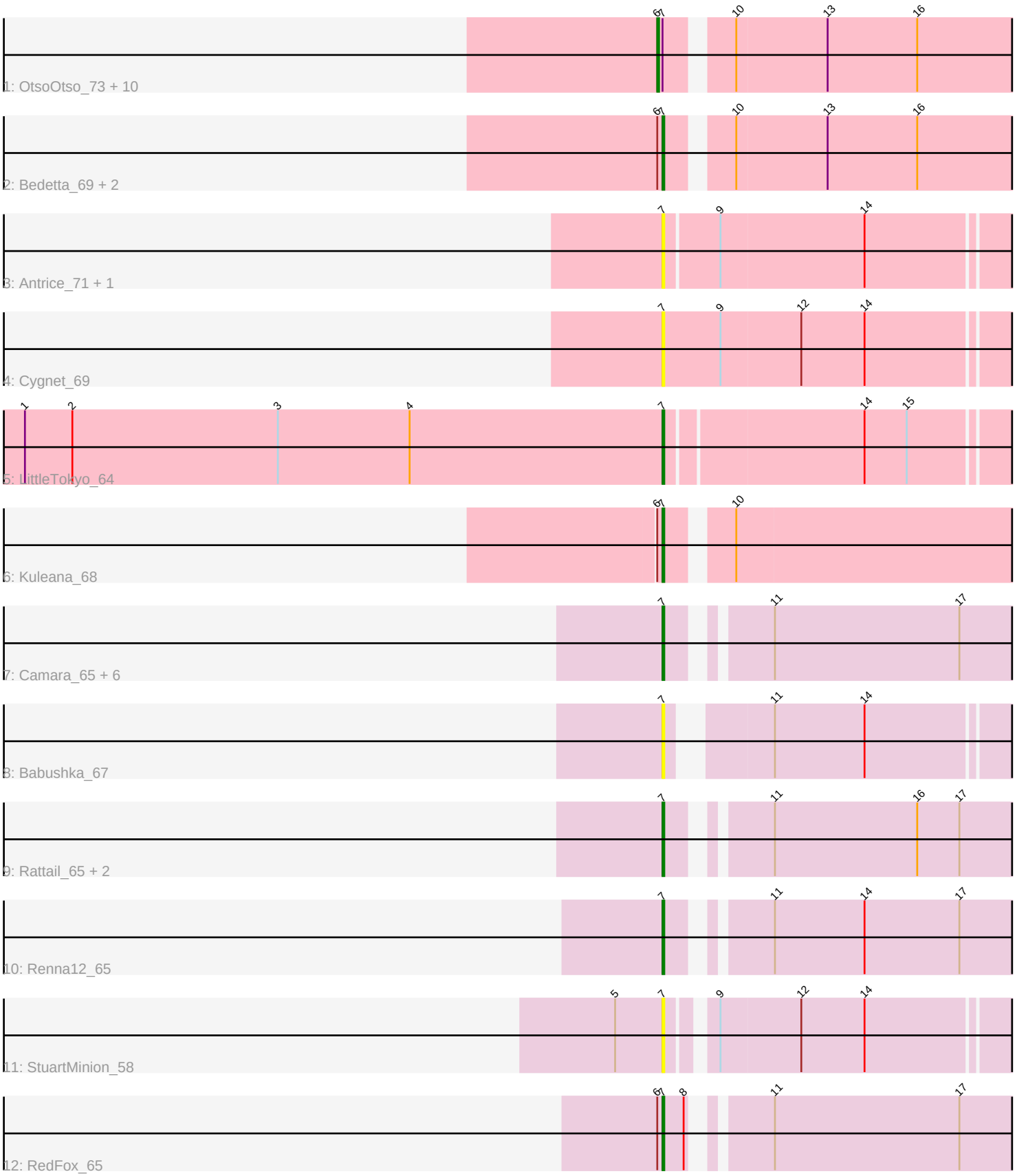
Pham 212833


67
10
13
16
1: OtsoOtso_73 + 10
67
10
13
16
2: Bedetta_69 + 2
7
9
14
3: Antrice_71 + 1
7
9
12
14
4: Cygnet_69
1
2
3
4
7
14
15
5: LittleTokyo_64
67
10
6: Kuleana_68
7
11
17
7: Camara_65 + 6
7
11
14
8: Babushka_67
7
11
16
17
9: Rattail_65 + 2
7
11
14
17
10: Renna12_65
5
7
9
12
14
11: StuartMinion_58
67
8
11
17
12: RedFox_65

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 212833 Report

This analysis was run 02/22/25 on database version 588.

Pham number 212833 has 33 members, 16 are drafts.

Phages represented in each track:
• Track 1 : OtsoOtso_73, Jerole_74, Lunar_67, Colusalem_67, Daob_66, Kepler_66, Amelia_64, Melons_67, Coral_65, Polka_64, Cote_68
• Track 2 : Bedetta_69, HannahPhantana_66, Bibble12_69
• Track 3 : Antrice_71, Zhuangyuan_73
• Track 4 : Cygnet_69
• Track 5 : LittleTokyo_64
• Track 6 : Kuleana_68
• Track 7 : Camara_65, HamCheese_64, DanHam62_65, PhluffyCoco_65, Juno112_64, Glotell_68, Atlantica_66
• Track 8 : Babushka_67
• Track 9 : Rattail_65, Leona_63, KHumphrey_66
• Track 10 : Renna12_65
• Track 11 : StuartMinion_58
• Track 12 : RedFox_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 9 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Antrice_71, Atlantica_66, Babushka_67, Bedetta_69, Bibble12_69, Camara_65, Cygnet_69, DanHam62_65, Glotell_68, HamCheese_64, HannahPhantana_66, Juno112_64, KHumphrey_66, Kuleana_68, Leona_63, LittleTokyo_64, PhluffyCoco_65, Rattail_65, RedFox_65, Renna12_65, StuartMinion_58, Zhuangyuan_73,

Genes that have the "Most Annotated" start but do not call it:
• Amelia_64, Colusalem_67, Coral_65, Cote_68, Daob_66, Jerole_74, Kepler_66, Lunar_67, Melons_67, OtsoOtso_73, Polka_64,

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

Summary by start number:

Start 6:
• Found in 16 of 33 (48.5%) of genes in pham
• Manual Annotations of this start: 8 of 17
• Called 68.8% of time when present
• Phage (with cluster) where this start called: Amelia_64 (AS2), Colusalem_67 (AS2), Coral_65 (AS2), Cote_68 (AS2), Daob_66 (AS2), Jerole_74 (AS2), Kepler_66 (AS2), Lunar_67 (AS2), Melons_67 (AS2), OtsoOtso_73 (AS2), Polka_64 (AS2),

Start 7:
• Found in 33 of 33 (100.0%) of genes in pham
• Manual Annotations of this start: 9 of 17
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Antrice_71 (AS2), Atlantica_66 (AS3), Babushka_67 (AS3), Bedetta_69 (AS2), Bibble12_69 (AS2), Camara_65 (AS3), Cygnet_69 (AS2), DanHam62_65 (AS3), Glotell_68 (AS3), HamCheese_64 (AS3), HannahPhantana_66 (AS2), Juno112_64 (AS3), KHumphrey_66 (AS3), Kuleana_68 (AS2), Leona_63 (AS3), LittleTokyo_64 (AS2), PhluffyCoco_65 (AS3), Rattail_65 (AS3), RedFox_65 (AS3), Renna12_65 (AS3), StuartMinion_58 (AS3), Zhuangyuan_73 (AS2),

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 8 times for cluster AS2.
•Start number 7 was manually annotated 3 times for cluster AS2.

Info for manual annotations of cluster AS3:
•Start number 7 was manually annotated 6 times for cluster AS3.

Gene Information:

Gene: Amelia_64 Start: 36351, Stop: 36548, Start Num: 6
Candidate Starts for Amelia_64:
(Start: 6 @36351 has 8 MA's), (Start: 7 @36354 has 9 MA's), (10, 36384), (13, 36435), (16, 36486),

Gene: Antrice_71 Start: 36848, Stop: 37045, Start Num: 7
Candidate Starts for Antrice_71:
(Start: 7 @36848 has 9 MA's), (9, 36878), (14, 36959),

Gene: Atlantica_66 Start: 37019, Stop: 37210, Start Num: 7
Candidate Starts for Atlantica_66:
(Start: 7 @37019 has 9 MA's), (11, 37064), (17, 37169),

Gene: Babushka_67 Start: 36809, Stop: 37000, Start Num: 7
Candidate Starts for Babushka_67:
(Start: 7 @36809 has 9 MA's), (11, 36854), (14, 36905),

Gene: Bedetta_69 Start: 36517, Stop: 36711, Start Num: 7
Candidate Starts for Bedetta_69:
(Start: 6 @36514 has 8 MA's), (Start: 7 @36517 has 9 MA's), (10, 36547), (13, 36598), (16, 36649),

Gene: Bibble12_69 Start: 36649, Stop: 36843, Start Num: 7
Candidate Starts for Bibble12_69:
(Start: 6 @36646 has 8 MA's), (Start: 7 @36649 has 9 MA's), (10, 36679), (13, 36730), (16, 36781),

Gene: Camara_65 Start: 36910, Stop: 37101, Start Num: 7
Candidate Starts for Camara_65:
(Start: 7 @36910 has 9 MA's), (11, 36955), (17, 37060),

Gene: Colusalem_67 Start: 36328, Stop: 36525, Start Num: 6
Candidate Starts for Colusalem_67:
(Start: 6 @36328 has 8 MA's), (Start: 7 @36331 has 9 MA's), (10, 36361), (13, 36412), (16, 36463),

Gene: Coral_65 Start: 36549, Stop: 36746, Start Num: 6
Candidate Starts for Coral_65:
(Start: 6 @36549 has 8 MA's), (Start: 7 @36552 has 9 MA's), (10, 36582), (13, 36633), (16, 36684),

Gene: Cote_68 Start: 36989, Stop: 37186, Start Num: 6
Candidate Starts for Cote_68:
(Start: 6 @36989 has 8 MA's), (Start: 7 @36992 has 9 MA's), (10, 37022), (13, 37073), (16, 37124),

Gene: Cygnet_69 Start: 37335, Stop: 37535, Start Num: 7
Candidate Starts for Cygnet_69:
(Start: 7 @37335 has 9 MA's), (9, 37368), (12, 37413), (14, 37449),

Gene: DanHam62_65 Start: 37018, Stop: 37209, Start Num: 7
Candidate Starts for DanHam62_65:
(Start: 7 @37018 has 9 MA's), (11, 37063), (17, 37168),

Gene: Daob_66 Start: 36332, Stop: 36529, Start Num: 6
Candidate Starts for Daob_66:
(Start: 6 @36332 has 8 MA's), (Start: 7 @36335 has 9 MA's), (10, 36365), (13, 36416), (16, 36467),

Gene: Glotell_68 Start: 37065, Stop: 37256, Start Num: 7
Candidate Starts for Glotell_68:
(Start: 7 @37065 has 9 MA's), (11, 37110), (17, 37215),

Gene: HamCheese_64 Start: 37005, Stop: 37196, Start Num: 7
Candidate Starts for HamCheese_64:
(Start: 7 @37005 has 9 MA's), (11, 37050), (17, 37155),

Gene: HannahPhantana_66 Start: 36349, Stop: 36543, Start Num: 7
Candidate Starts for HannahPhantana_66:
(Start: 6 @36346 has 8 MA's), (Start: 7 @36349 has 9 MA's), (10, 36379), (13, 36430), (16, 36481),

Gene: Jerole_74 Start: 36470, Stop: 36667, Start Num: 6
Candidate Starts for Jerole_74:
(Start: 6 @36470 has 8 MA's), (Start: 7 @36473 has 9 MA's), (10, 36503), (13, 36554), (16, 36605),

Gene: Juno112_64 Start: 37021, Stop: 37212, Start Num: 7

Candidate Starts for Juno112_64:
(Start: 7 @37021 has 9 MA's), (11, 37066), (17, 37171),

Gene: KHumphrey_66 Start: 36909, Stop: 37097, Start Num: 7
Candidate Starts for KHumphrey_66:
(Start: 7 @36909 has 9 MA's), (11, 36954), (16, 37035), (17, 37059),

Gene: Kepler_66 Start: 36335, Stop: 36532, Start Num: 6
Candidate Starts for Kepler_66:
(Start: 6 @36335 has 8 MA's), (Start: 7 @36338 has 9 MA's), (10, 36368), (13, 36419), (16, 36470),

Gene: Kuleana_68 Start: 37045, Stop: 37245, Start Num: 7
Candidate Starts for Kuleana_68:
(Start: 6 @37042 has 8 MA's), (Start: 7 @37045 has 9 MA's), (10, 37075),

Gene: Leona_63 Start: 37113, Stop: 37301, Start Num: 7
Candidate Starts for Leona_63:
(Start: 7 @37113 has 9 MA's), (11, 37158), (16, 37239), (17, 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 9 MA's), (14, 35743), (15, 35767),

Gene: Lunar_67 Start: 36672, Stop: 36869, Start Num: 6
Candidate Starts for Lunar_67:
(Start: 6 @36672 has 8 MA's), (Start: 7 @36675 has 9 MA's), (10, 36705), (13, 36756), (16, 36807),

Gene: Melons_67 Start: 36588, Stop: 36785, Start Num: 6
Candidate Starts for Melons_67:
(Start: 6 @36588 has 8 MA's), (Start: 7 @36591 has 9 MA's), (10, 36621), (13, 36672), (16, 36723),

Gene: OtsoOtso_73 Start: 36201, Stop: 36398, Start Num: 6
Candidate Starts for OtsoOtso_73:
(Start: 6 @36201 has 8 MA's), (Start: 7 @36204 has 9 MA's), (10, 36234), (13, 36285), (16, 36336),

Gene: PhluffyCoco_65 Start: 37120, Stop: 37311, Start Num: 7
Candidate Starts for PhluffyCoco_65:
(Start: 7 @37120 has 9 MA's), (11, 37165), (17, 37270),

Gene: Polka_64 Start: 36201, Stop: 36398, Start Num: 6
Candidate Starts for Polka_64:
(Start: 6 @36201 has 8 MA's), (Start: 7 @36204 has 9 MA's), (10, 36234), (13, 36285), (16, 36336),

Gene: Rattail_65 Start: 37205, Stop: 37396, Start Num: 7
Candidate Starts for Rattail_65:
(Start: 7 @37205 has 9 MA's), (11, 37250), (16, 37331), (17, 37355),

Gene: RedFox_65 Start: 37118, Stop: 37309, Start Num: 7
Candidate Starts for RedFox_65:
(Start: 6 @37115 has 8 MA's), (Start: 7 @37118 has 9 MA's), (8, 37130), (11, 37163), (17, 37268),

Gene: Renna12_65 Start: 37237, Stop: 37428, Start Num: 7
Candidate Starts for Renna12_65:

(Start: 7 @37237 has 9 MA's), (11, 37282), (14, 37333), (17, 37387),

Gene: StuartMinion_58 Start: 33488, Stop: 33676, Start Num: 7
Candidate Starts for StuartMinion_58:
(5, 33461), (Start: 7 @33488 has 9 MA's), (9, 33509), (12, 33554), (14, 33590),

Gene: Zhuangyuan_73 Start: 37523, Stop: 37717, Start Num: 7
Candidate Starts for Zhuangyuan_73:
(Start: 7 @37523 has 9 MA's), (9, 37553), (14, 37634),