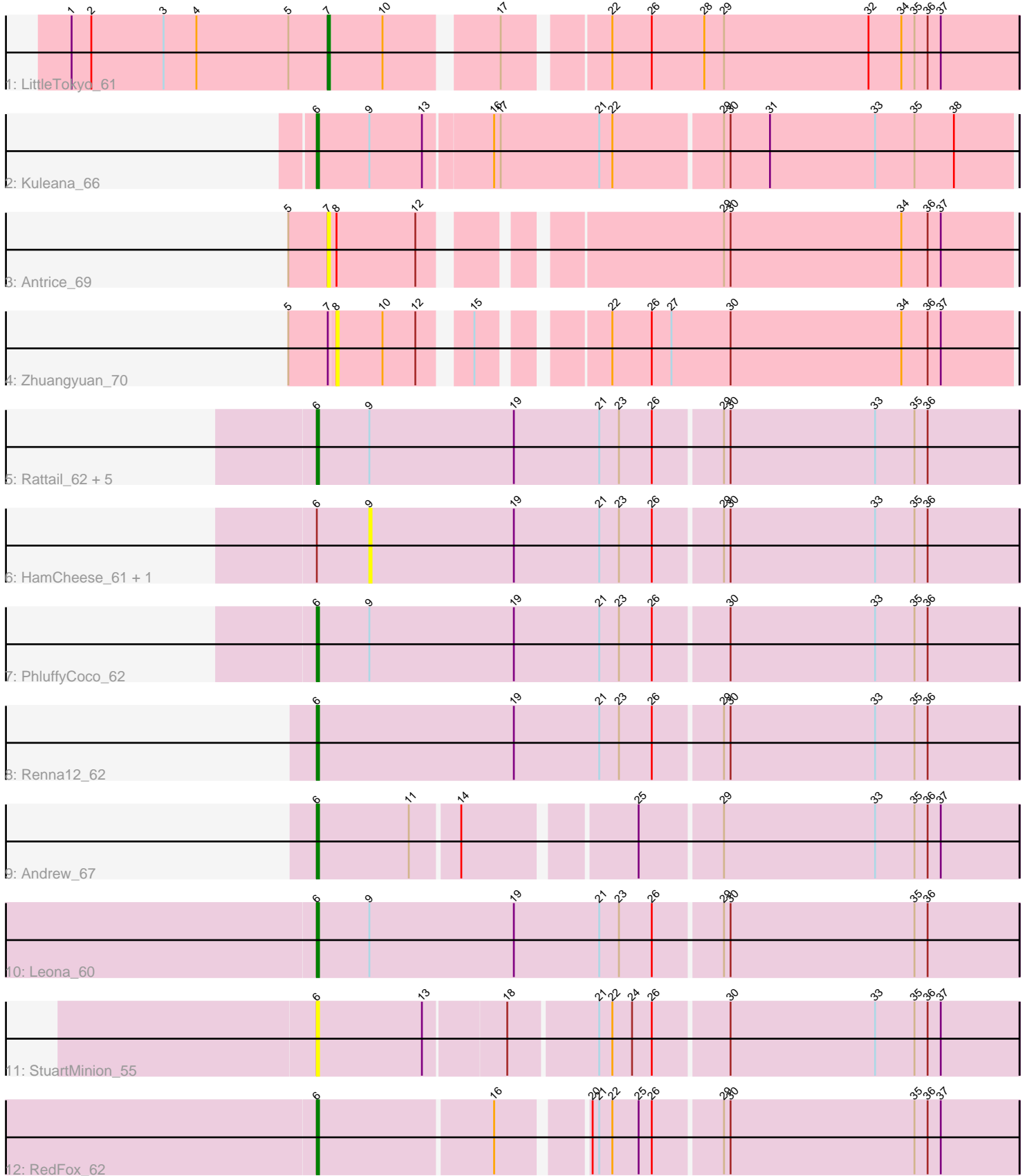


Pham 203356



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 203356 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203356 has 18 members, 9 are drafts.

Phages represented in each track:

- Track 1 : LittleTokyo_61
- Track 2 : Kuleana_66
- Track 3 : Antrice_69
- Track 4 : Zhuangyuan_70
- Track 5 : Rattail_62, Juno112_61, Camara_62, KHumphrey_63, AmiCi24_61, Glotell_65
- Track 6 : HamCheese_61, Atlantica_63
- Track 7 : PhluffyCoco_62
- Track 8 : Renna12_62
- Track 9 : Andrew_67
- Track 10 : Leona_60
- Track 11 : StuartMinion_55
- Track 12 : RedFox_62

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

The start number called the most often in the published annotations is 6, it was called in 8 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AmiCi24_61, Andrew_67, Camara_62, Glotell_65, Juno112_61, KHumphrey_63, Kuleana_66, Leona_60, PhluffyCoco_62, Rattail_62, RedFox_62, Renna12_62, StuartMinion_55,

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

- Atlantica_63, HamCheese_61,

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

- Antrice_69, LittleTokyo_61, Zhuangyuan_70,

Summary by start number:

Start 6:

- Found in 15 of 18 (83.3%) of genes in pham

- Manual Annotations of this start: 8 of 9
- Called 86.7% of time when present
- Phage (with cluster) where this start called: AmiCi24_61 (AS3), Andrew_67 (AS3), Camara_62 (AS3), Glotell_65 (AS3), Juno112_61 (AS3), KHumphrey_63 (AS3), Kuleana_66 (AS2), Leona_60 (AS3), PhluffyCoco_62 (AS3), Rattail_62 (AS3), RedFox_62 (AS3), Rennan12_62 (AS3), StuartMinion_55 (AS3),

Start 7:

- Found in 3 of 18 (16.7%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Antrice_69 (AS2), LittleTokyo_61 (AS2),

Start 8:

- Found in 2 of 18 (11.1%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Zhuangyuan_70 (AS2),

Start 9:

- Found in 11 of 18 (61.1%) of genes in pham
- No Manual Annotations of this start.
- Called 18.2% of time when present
- Phage (with cluster) where this start called: Atlantica_63 (AS3), HamCheese_61 (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 1 time for cluster AS2.
- Start number 7 was manually annotated 1 time for cluster AS2.

Info for manual annotations of cluster AS3:

- Start number 6 was manually annotated 7 times for cluster AS3.

Gene Information:

Gene: AmiCi24_61 Start: 36276, Stop: 36593, Start Num: 6

Candidate Starts for AmiCi24_61:

(Start: 6 @36276 has 8 MA's), (9, 36300), (19, 36366), (21, 36405), (23, 36414), (26, 36429), (29, 36459), (30, 36462), (33, 36528), (35, 36546), (36, 36552),

Gene: Andrew_67 Start: 36831, Stop: 37136, Start Num: 6

Candidate Starts for Andrew_67:

(Start: 6 @36831 has 8 MA's), (11, 36873), (14, 36894), (25, 36966), (29, 37002), (33, 37071), (35, 37089), (36, 37095), (37, 37101),

Gene: Antrice_69 Start: 36358, Stop: 36645, Start Num: 7

Candidate Starts for Antrice_69:

(5, 36340), (Start: 7 @36358 has 1 MA's), (8, 36361), (12, 36397), (29, 36514), (30, 36517), (34, 36595), (36, 36607), (37, 36613),

Gene: Atlantica_63 Start: 36302, Stop: 36595, Start Num: 9

Candidate Starts for Atlantica_63:

(Start: 6 @36278 has 8 MA's), (9, 36302), (19, 36368), (21, 36407), (23, 36416), (26, 36431), (29, 36461), (30, 36464), (33, 36530), (35, 36548), (36, 36554),

Gene: Camara_62 Start: 36169, Stop: 36486, Start Num: 6

Candidate Starts for Camara_62:

(Start: 6 @36169 has 8 MA's), (9, 36193), (19, 36259), (21, 36298), (23, 36307), (26, 36322), (29, 36352), (30, 36355), (33, 36421), (35, 36439), (36, 36445),

Gene: Glotell_65 Start: 36324, Stop: 36641, Start Num: 6

Candidate Starts for Glotell_65:

(Start: 6 @36324 has 8 MA's), (9, 36348), (19, 36414), (21, 36453), (23, 36462), (26, 36477), (29, 36507), (30, 36510), (33, 36576), (35, 36594), (36, 36600),

Gene: HamCheese_61 Start: 36288, Stop: 36581, Start Num: 9

Candidate Starts for HamCheese_61:

(Start: 6 @36264 has 8 MA's), (9, 36288), (19, 36354), (21, 36393), (23, 36402), (26, 36417), (29, 36447), (30, 36450), (33, 36516), (35, 36534), (36, 36540),

Gene: Juno112_61 Start: 36280, Stop: 36597, Start Num: 6

Candidate Starts for Juno112_61:

(Start: 6 @36280 has 8 MA's), (9, 36304), (19, 36370), (21, 36409), (23, 36418), (26, 36433), (29, 36463), (30, 36466), (33, 36532), (35, 36550), (36, 36556),

Gene: KHumphrey_63 Start: 36168, Stop: 36485, Start Num: 6

Candidate Starts for KHumphrey_63:

(Start: 6 @36168 has 8 MA's), (9, 36192), (19, 36258), (21, 36297), (23, 36306), (26, 36321), (29, 36351), (30, 36354), (33, 36420), (35, 36438), (36, 36444),

Gene: Kuleana_66 Start: 36521, Stop: 36832, Start Num: 6

Candidate Starts for Kuleana_66:

(Start: 6 @36521 has 8 MA's), (9, 36545), (13, 36569), (16, 36599), (17, 36602), (21, 36647), (22, 36653), (29, 36701), (30, 36704), (31, 36722), (33, 36770), (35, 36788), (38, 36806),

Gene: Leona_60 Start: 36369, Stop: 36686, Start Num: 6

Candidate Starts for Leona_60:

(Start: 6 @36369 has 8 MA's), (9, 36393), (19, 36459), (21, 36498), (23, 36507), (26, 36522), (29, 36552), (30, 36555), (35, 36639), (36, 36645),

Gene: LittleTokyo_61 Start: 34858, Stop: 35154, Start Num: 7

Candidate Starts for LittleTokyo_61:

(1, 34741), (2, 34750), (3, 34783), (4, 34798), (5, 34840), (Start: 7 @34858 has 1 MA's), (10, 34882), (17, 34927), (22, 34969), (26, 34987), (28, 35011), (29, 35020), (32, 35086), (34, 35101), (35, 35107), (36, 35113), (37, 35119),

Gene: PhluffyCoco_62 Start: 36379, Stop: 36696, Start Num: 6

Candidate Starts for PhluffyCoco_62:

(Start: 6 @36379 has 8 MA's), (9, 36403), (19, 36469), (21, 36508), (23, 36517), (26, 36532), (30, 36565), (33, 36631), (35, 36649), (36, 36655),

Gene: Rattail_62 Start: 36464, Stop: 36781, Start Num: 6

Candidate Starts for Rattail_62:

(Start: 6 @36464 has 8 MA's), (9, 36488), (19, 36554), (21, 36593), (23, 36602), (26, 36617), (29, 36647), (30, 36650), (33, 36716), (35, 36734), (36, 36740),

Gene: RedFox_62 Start: 36377, Stop: 36682, Start Num: 6

Candidate Starts for RedFox_62:

(Start: 6 @36377 has 8 MA's), (16, 36455), (20, 36491), (21, 36494), (22, 36500), (25, 36512), (26, 36518), (29, 36548), (30, 36551), (35, 36635), (36, 36641), (37, 36647),

Gene: Renna12_62 Start: 36496, Stop: 36813, Start Num: 6

Candidate Starts for Renna12_62:

(Start: 6 @36496 has 8 MA's), (19, 36586), (21, 36625), (23, 36634), (26, 36649), (29, 36679), (30, 36682), (33, 36748), (35, 36766), (36, 36772),

Gene: StuartMinion_55 Start: 32747, Stop: 33058, Start Num: 6

Candidate Starts for StuartMinion_55:

(Start: 6 @32747 has 8 MA's), (13, 32795), (18, 32831), (21, 32870), (22, 32876), (24, 32885), (26, 32894), (30, 32927), (33, 32993), (35, 33011), (36, 33017), (37, 33023),

Gene: Zhuangyuan_70 Start: 37036, Stop: 37320, Start Num: 8

Candidate Starts for Zhuangyuan_70:

(5, 37015), (Start: 7 @37033 has 1 MA's), (8, 37036), (10, 37057), (12, 37072), (15, 37090), (22, 37138), (26, 37156), (27, 37165), (30, 37192), (34, 37270), (36, 37282), (37, 37288),