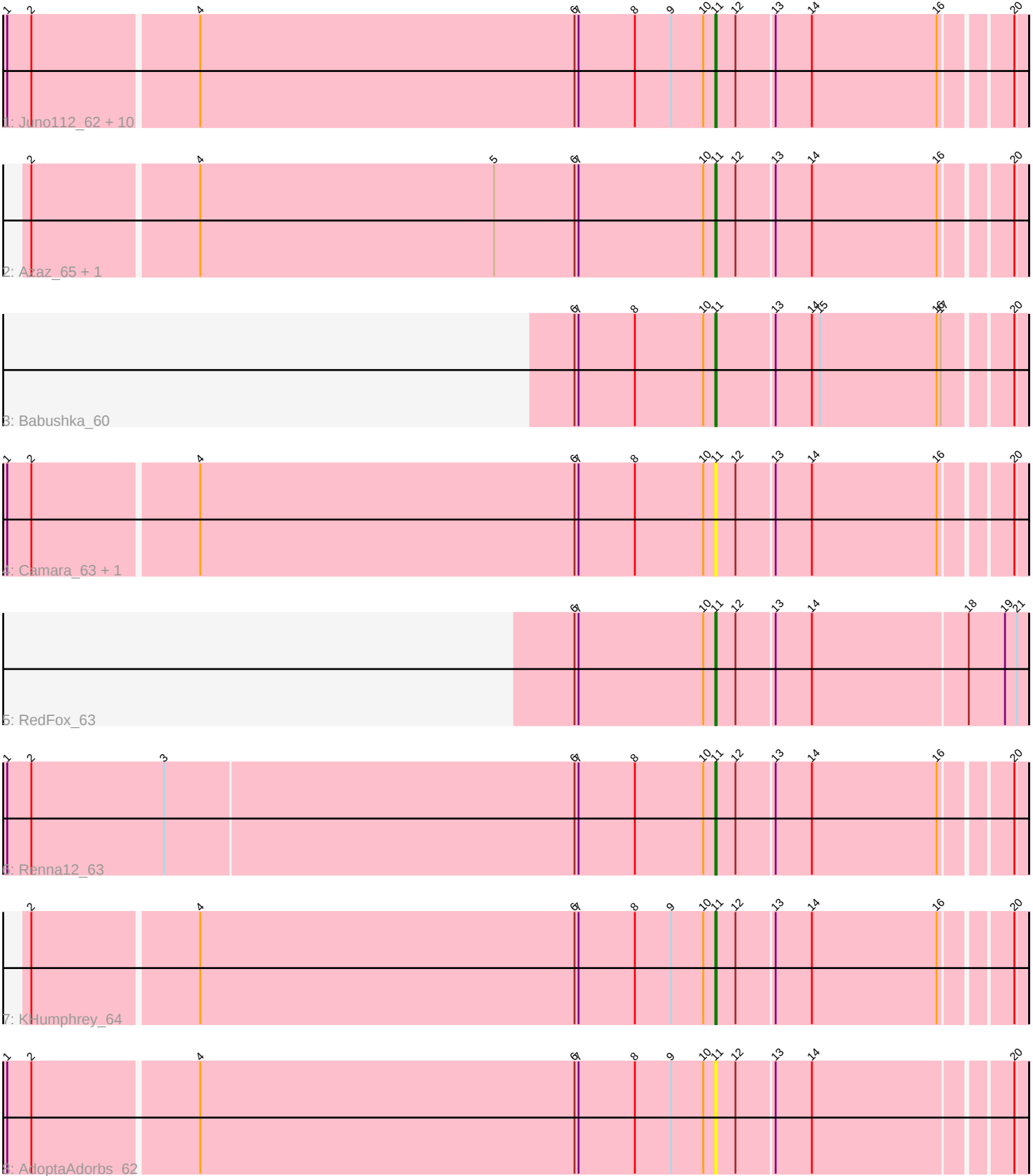


Pham 280902



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 280902 Report

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

Pham number 280902 has 20 members, 9 are drafts.

Phages represented in each track:

- Track 1 : Juno112_62, DanHam62_63, HamCheese_63, Laphuphu24k_62, PhluffyCoco_63, Amphitrite_63, Fingolfin_63, Glotell_65, Atlantica_64, AmiCi24_62, Rattail_63
- Track 2 : Azaz_65, Leona_61
- Track 3 : Babushka_60
- Track 4 : Camara_63, Oppalora_62
- Track 5 : RedFox_63
- Track 6 : Renna12_63
- Track 7 : KHumphrey_64
- Track 8 : AdoptaAdorbs_62

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

The start number called the most often in the published annotations is 11, it was called in 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AdoptaAdorbs_62, AmiCi24_62, Amphitrite_63, Atlantica_64, Azaz_65, Babushka_60, Camara_63, DanHam62_63, Fingolfin_63, Glotell_65, HamCheese_63, Juno112_62, KHumphrey_64, Laphuphu24k_62, Leona_61, Oppalora_62, PhluffyCoco_63, Rattail_63, RedFox_63, Renna12_63,

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

-

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

-

Summary by start number:

Start 11:

- Found in 20 of 20 (100.0%) of genes in pham
- Manual Annotations of this start: 11 of 11
- Called 100.0% of time when present

• Phage (with cluster) where this start called: AdoptaAdorbs_62 (AS3), AmiCi24_62 (AS3), Amphitrite_63 (AS3), Atlantica_64 (AS3), Azaz_65 (AS3), Babushka_60 (AS3), Camara_63 (AS3), DanHam62_63 (AS3), Fingolfin_63 (AS3), Glotell_65 (AS3), HamCheese_63 (AS3), Juno112_62 (AS3), KHumphrey_64 (AS3), Laphuphu24k_62 (AS3), Leona_61 (AS3), Oppalora_62 (AS3), PhluffyCoco_63 (AS3), Rattail_63 (AS3), RedFox_63 (AS3), Renna12_63 (AS3),

Summary by clusters:

There is one cluster represented in this pham: AS3

Info for manual annotations of cluster AS3:

•Start number 11 was manually annotated 11 times for cluster AS3.

Gene Information:

Gene: AdoptaAdorbs_62 Start: 36481, Stop: 36696, Start Num: 11

Candidate Starts for AdoptaAdorbs_62:

(1, 35959), (2, 35977), (4, 36097), (6, 36376), (7, 36379), (8, 36421), (9, 36448), (10, 36472), (Start: 11 @36481 has 11 MA's), (12, 36496), (13, 36523), (14, 36550), (20, 36688),

Gene: AmiCi24_62 Start: 36590, Stop: 36805, Start Num: 11

Candidate Starts for AmiCi24_62:

(1, 36068), (2, 36086), (4, 36206), (6, 36485), (7, 36488), (8, 36530), (9, 36557), (10, 36581), (Start: 11 @36590 has 11 MA's), (12, 36605), (13, 36632), (14, 36659), (16, 36752), (20, 36797),

Gene: Amphitrite_63 Start: 36480, Stop: 36695, Start Num: 11

Candidate Starts for Amphitrite_63:

(1, 35958), (2, 35976), (4, 36096), (6, 36375), (7, 36378), (8, 36420), (9, 36447), (10, 36471), (Start: 11 @36480 has 11 MA's), (12, 36495), (13, 36522), (14, 36549), (16, 36642), (20, 36687),

Gene: Atlantica_64 Start: 36592, Stop: 36807, Start Num: 11

Candidate Starts for Atlantica_64:

(1, 36070), (2, 36088), (4, 36208), (6, 36487), (7, 36490), (8, 36532), (9, 36559), (10, 36583), (Start: 11 @36592 has 11 MA's), (12, 36607), (13, 36634), (14, 36661), (16, 36754), (20, 36799),

Gene: Azaz_65 Start: 36682, Stop: 36897, Start Num: 11

Candidate Starts for Azaz_65:

(2, 36178), (4, 36298), (5, 36517), (6, 36577), (7, 36580), (10, 36673), (Start: 11 @36682 has 11 MA's), (12, 36697), (13, 36724), (14, 36751), (16, 36844), (20, 36889),

Gene: Babushka_60 Start: 36379, Stop: 36597, Start Num: 11

Candidate Starts for Babushka_60:

(6, 36274), (7, 36277), (8, 36319), (10, 36370), (Start: 11 @36379 has 11 MA's), (13, 36421), (14, 36448), (15, 36454), (16, 36541), (17, 36544), (20, 36589),

Gene: Camara_63 Start: 36483, Stop: 36698, Start Num: 11

Candidate Starts for Camara_63:

(1, 35961), (2, 35979), (4, 36099), (6, 36378), (7, 36381), (8, 36423), (10, 36474), (Start: 11 @36483 has 11 MA's), (12, 36498), (13, 36525), (14, 36552), (16, 36645), (20, 36690),

Gene: DanHam62_63 Start: 36591, Stop: 36806, Start Num: 11

Candidate Starts for DanHam62_63:

(1, 36069), (2, 36087), (4, 36207), (6, 36486), (7, 36489), (8, 36531), (9, 36558), (10, 36582), (Start: 11 @36591 has 11 MA's), (12, 36606), (13, 36633), (14, 36660), (16, 36753), (20, 36798),

Gene: Fingolfin_63 Start: 36594, Stop: 36809, Start Num: 11

Candidate Starts for Fingolfin_63:

(1, 36072), (2, 36090), (4, 36210), (6, 36489), (7, 36492), (8, 36534), (9, 36561), (10, 36585), (Start: 11 @36594 has 11 MA's), (12, 36609), (13, 36636), (14, 36663), (16, 36756), (20, 36801),

Gene: Glotell_65 Start: 36638, Stop: 36853, Start Num: 11

Candidate Starts for Glotell_65:

(1, 36116), (2, 36134), (4, 36254), (6, 36533), (7, 36536), (8, 36578), (9, 36605), (10, 36629), (Start: 11 @36638 has 11 MA's), (12, 36653), (13, 36680), (14, 36707), (16, 36800), (20, 36845),

Gene: HamCheese_63 Start: 36578, Stop: 36793, Start Num: 11

Candidate Starts for HamCheese_63:

(1, 36056), (2, 36074), (4, 36194), (6, 36473), (7, 36476), (8, 36518), (9, 36545), (10, 36569), (Start: 11 @36578 has 11 MA's), (12, 36593), (13, 36620), (14, 36647), (16, 36740), (20, 36785),

Gene: Juno112_62 Start: 36594, Stop: 36809, Start Num: 11

Candidate Starts for Juno112_62:

(1, 36072), (2, 36090), (4, 36210), (6, 36489), (7, 36492), (8, 36534), (9, 36561), (10, 36585), (Start: 11 @36594 has 11 MA's), (12, 36609), (13, 36636), (14, 36663), (16, 36756), (20, 36801),

Gene: KHumphrey_64 Start: 36482, Stop: 36697, Start Num: 11

Candidate Starts for KHumphrey_64:

(2, 35978), (4, 36098), (6, 36377), (7, 36380), (8, 36422), (9, 36449), (10, 36473), (Start: 11 @36482 has 11 MA's), (12, 36497), (13, 36524), (14, 36551), (16, 36644), (20, 36689),

Gene: Laphuphu24k_62 Start: 36578, Stop: 36793, Start Num: 11

Candidate Starts for Laphuphu24k_62:

(1, 36056), (2, 36074), (4, 36194), (6, 36473), (7, 36476), (8, 36518), (9, 36545), (10, 36569), (Start: 11 @36578 has 11 MA's), (12, 36593), (13, 36620), (14, 36647), (16, 36740), (20, 36785),

Gene: Leona_61 Start: 36683, Stop: 36901, Start Num: 11

Candidate Starts for Leona_61:

(2, 36179), (4, 36299), (5, 36518), (6, 36578), (7, 36581), (10, 36674), (Start: 11 @36683 has 11 MA's), (12, 36698), (13, 36728), (14, 36755), (16, 36848), (20, 36893),

Gene: Oppalora_62 Start: 36592, Stop: 36807, Start Num: 11

Candidate Starts for Oppalora_62:

(1, 36070), (2, 36088), (4, 36208), (6, 36487), (7, 36490), (8, 36532), (10, 36583), (Start: 11 @36592 has 11 MA's), (12, 36607), (13, 36634), (14, 36661), (16, 36754), (20, 36799),

Gene: PhluffyCoco_63 Start: 36693, Stop: 36908, Start Num: 11

Candidate Starts for PhluffyCoco_63:

(1, 36171), (2, 36189), (4, 36309), (6, 36588), (7, 36591), (8, 36633), (9, 36660), (10, 36684), (Start: 11 @36693 has 11 MA's), (12, 36708), (13, 36735), (14, 36762), (16, 36855), (20, 36900),

Gene: Rattail_63 Start: 36778, Stop: 36993, Start Num: 11

Candidate Starts for Rattail_63:

(1, 36256), (2, 36274), (4, 36394), (6, 36673), (7, 36676), (8, 36718), (9, 36745), (10, 36769), (Start: 11 @36778 has 11 MA's), (12, 36793), (13, 36820), (14, 36847), (16, 36940), (20, 36985),

Gene: RedFox_63 Start: 36679, Stop: 36906, Start Num: 11

Candidate Starts for RedFox_63:

(6, 36574), (7, 36577), (10, 36670), (Start: 11 @36679 has 11 MA's), (12, 36694), (13, 36721), (14, 36748), (18, 36862), (19, 36889), (21, 36898),

Gene: Renna12_63 Start: 36810, Stop: 37025, Start Num: 11

Candidate Starts for Renna12_63:

(1, 36285), (2, 36303), (3, 36402), (6, 36705), (7, 36708), (8, 36750), (10, 36801), (Start: 11 @36810 has 11 MA's), (12, 36825), (13, 36852), (14, 36879), (16, 36972), (20, 37017),