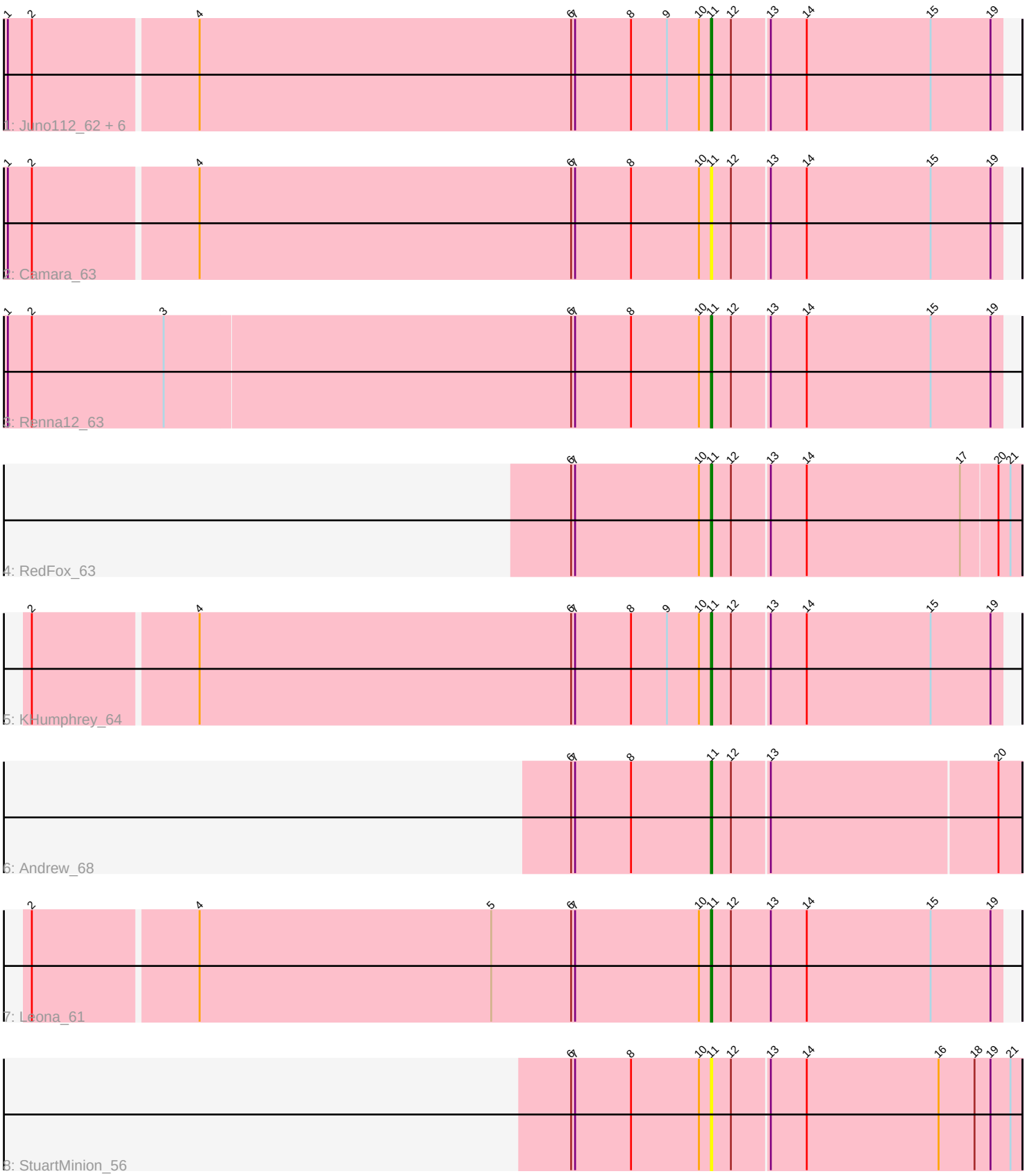
Pham 203444


1: Juno112_62 + 6
2: Camara_63
3: Renna12_63
4: RedFox_63
5: KHumphrey_64
6: Andrew_68
7: Leona_61
8: StuartMinion_56

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 203444 Report

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

Pham number 203444 has 14 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Juno112_62, HamCheese_62, PhluffyCoco_63, Atlantica_64, AmiCi24_62, Rattail_63, Glotell_66
• Track 2 : Camara_63
• Track 3 : Renna12_63
• Track 4 : RedFox_63
• Track 5 : KHumphrey_64
• Track 6 : Andrew_68
• Track 7 : Leona_61
• Track 8 : StuartMinion_56

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 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AmiCi24_62, Andrew_68, Atlantica_64, Camara_63, Glotell_66, HamCheese_62, Juno112_62, KHumphrey_64, Leona_61, PhluffyCoco_63, Rattail_63, RedFox_63, Renna12_63, StuartMinion_56,

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 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AmiCi24_62 (AS3), Andrew_68 (AS3), Atlantica_64 (AS3), Camara_63 (AS3), Glotell_66 (AS3), HamCheese_62 (AS3),

Juno112_62 (AS3), KHumphrey_64 (AS3), Leona_61 (AS3), PhluffyCoco_63 (AS3), Rattail_63 (AS3), RedFox_63 (AS3), Renna12_63 (AS3), StuartMinion_56 (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 7 times for cluster AS3.

Gene Information:

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 7 MA's), (12, 36605), (13, 36632), (14, 36659), (15, 36752), (19, 36797),

Gene: Andrew_68 Start: 37133, Stop: 37360, Start Num: 11
Candidate Starts for Andrew_68:
(6, 37028), (7, 37031), (8, 37073), (Start: 11 @37133 has 7 MA's), (12, 37148), (13, 37175), (20, 37343),

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 7 MA's), (12, 36607), (13, 36634), (14, 36661), (15, 36754), (19, 36799),

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 7 MA's), (12, 36498), (13, 36525), (14, 36552), (15, 36645), (19, 36690),

Gene: Glotell_66 Start: 36638, Stop: 36853, Start Num: 11
Candidate Starts for Glotell_66:
(1, 36116), (2, 36134), (4, 36254), (6, 36533), (7, 36536), (8, 36578), (9, 36605), (10, 36629), (Start: 11 @36638 has 7 MA's), (12, 36653), (13, 36680), (14, 36707), (15, 36800), (19, 36845),

Gene: HamCheese_62 Start: 36578, Stop: 36793, Start Num: 11
Candidate Starts for HamCheese_62:
(1, 36056), (2, 36074), (4, 36194), (6, 36473), (7, 36476), (8, 36518), (9, 36545), (10, 36569), (Start: 11 @36578 has 7 MA's), (12, 36593), (13, 36620), (14, 36647), (15, 36740), (19, 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 7 MA's), (12, 36609), (13, 36636), (14, 36663), (15, 36756), (19, 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 7 MA's), (12, 36497), (13, 36524), (14, 36551), (15, 36644), (19, 36689),

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 7 MA's), (12, 36698), (13, 36728), (14, 36755), (15, 36848), (19, 36893),

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 7 MA's), (12, 36708), (13, 36735), (14, 36762), (15, 36855), (19, 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 7 MA's), (12, 36793), (13, 36820), (14, 36847), (15, 36940), (19, 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 7 MA's), (12, 36694), (13, 36721), (14, 36748), (17, 36862), (20, 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 7 MA's), (12, 36825), (13, 36852), (14, 36879), (15, 36972), (19, 37017),

Gene: StuartMinion_56 Start: 33055, Stop: 33285, Start Num: 11
Candidate Starts for StuartMinion_56:
(6, 32950), (7, 32953), (8, 32995), (10, 33046), (Start: 11 @33055 has 7 MA's), (12, 33070), (13, 33097), (14, 33124), (16, 33223), (18, 33250), (19, 33262), (21, 33277),