Zoomed Pham 11811

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 11811 Report

This analysis was run 04/28/24 on database version 559.

Pham number 11811 has 12 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Kabocha_34, Gray_33, Pakusa_32, Aloki_32, Chidiebere_33, Hanem_33, Schomber_32
• Track 2 : UBSmoodge_34
• Track 3 : ChisanaKitsune_29
• Track 4 : FlyingTortilla_32, ScarletRaider_32
• Track 5 : Oogie_33

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

The start number called the most often in the published annotations is 3, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aloki_32, Chidiebere_33, ChisanaKitsune_29, FlyingTortilla_32, Gray_33, Hanem_33, Kabocha_34, Oogie_33, Pakusa_32, ScarletRaider_32, Schomber_32, UBSmoodge_34,

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 3:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aloki_32 (DQ), Chidiebere_33 (DQ), ChisanaKitsune_29 (DQ), FlyingTortilla_32 (DQ), Gray_33 (DQ), Hanem_33 (DQ), Kabocha_34 (DQ), Oogie_33 (DQ), Pakusa_32 (DQ), ScarletRaider_32 (DQ), Schomber_32 (DQ), UBSmoodge_34 (DQ),

Summary by clusters:

There is one cluster represented in this pham: DQ

Info for manual annotations of cluster DQ:
•Start number 3 was manually annotated 6 times for cluster DQ.

Gene Information:

Gene: Aloki_32 Start: 23081, Stop: 23758, Start Num: 3
Candidate Starts for Aloki_32:
(1, 22850), (2, 23072), (Start: 3 @23081 has 6 MA's), (4, 23093), (9, 23231), (11, 23261), (12, 23267), (13, 23306), (16, 23393), (17, 23399), (19, 23411), (23, 23516), (24, 23519), (25, 23525), (26, 23549), (27, 23645), (28, 23678), (29, 23693),

Gene: Chidiebere_33 Start: 23081, Stop: 23758, Start Num: 3
Candidate Starts for Chidiebere_33:
(1, 22850), (2, 23072), (Start: 3 @23081 has 6 MA's), (4, 23093), (9, 23231), (11, 23261), (12, 23267), (13, 23306), (16, 23393), (17, 23399), (19, 23411), (23, 23516), (24, 23519), (25, 23525), (26, 23549), (27, 23645), (28, 23678), (29, 23693),

Gene: ChisanaKitsune_29 Start: 21733, Stop: 22410, Start Num: 3
Candidate Starts for ChisanaKitsune_29:
(2, 21724), (Start: 3 @21733 has 6 MA's), (4, 21745), (9, 21883), (11, 21913), (13, 21958), (16, 22045), (17, 22051), (19, 22063), (23, 22168), (24, 22171), (25, 22177), (26, 22201), (27, 22297), (28, 22330), (29, 22345),

Gene: FlyingTortilla_32 Start: 25962, Stop: 26633, Start Num: 3
Candidate Starts for FlyingTortilla_32:
(2, 25953), (Start: 3 @25962 has 6 MA's), (5, 26010), (7, 26088), (10, 26118), (14, 26208), (15, 26244), (16, 26259), (18, 26271), (19, 26277), (20, 26298), (21, 26349), (22, 26355), (29, 26568), (30, 26607),

Gene: Gray_33 Start: 23081, Stop: 23758, Start Num: 3
Candidate Starts for Gray_33:
(1, 22850), (2, 23072), (Start: 3 @23081 has 6 MA's), (4, 23093), (9, 23231), (11, 23261), (12, 23267), (13, 23306), (16, 23393), (17, 23399), (19, 23411), (23, 23516), (24, 23519), (25, 23525), (26, 23549), (27, 23645), (28, 23678), (29, 23693),

Gene: Hanem_33 Start: 23081, Stop: 23758, Start Num: 3
Candidate Starts for Hanem_33:
(1, 22850), (2, 23072), (Start: 3 @23081 has 6 MA's), (4, 23093), (9, 23231), (11, 23261), (12, 23267), (13, 23306), (16, 23393), (17, 23399), (19, 23411), (23, 23516), (24, 23519), (25, 23525), (26, 23549), (27, 23645), (28, 23678), (29, 23693),

Gene: Kabocha_34 Start: 23894, Stop: 24571, Start Num: 3
Candidate Starts for Kabocha_34:
(1, 23663), (2, 23885), (Start: 3 @23894 has 6 MA's), (4, 23906), (9, 24044), (11, 24074), (12, 24080), (13, 24119), (16, 24206), (17, 24212), (19, 24224), (23, 24329), (24, 24332), (25, 24338), (26, 24362), (27, 24458), (28, 24491), (29, 24506),

Gene: Oogie_33 Start: 24784, Stop: 25461, Start Num: 3
Candidate Starts for Oogie_33:
(2, 24775), (Start: 3 @24784 has 6 MA's), (4, 24796), (6, 24889), (9, 24934), (11, 24964), (13, 25009), (16, 25096), (17, 25102), (19, 25114), (23, 25219), (24, 25222), (25, 25228), (27, 25348), (28, 25381), (29, 25396),

Gene: Pakusa_32 Start: 22823, Stop: 23500, Start Num: 3
Candidate Starts for Pakusa_32:
(1, 22592), (2, 22814), (Start: 3 @22823 has 6 MA's), (4, 22835), (9, 22973), (11, 23003), (12, 23009), (13, 23048), (16, 23135), (17, 23141), (19, 23153), (23, 23258), (24, 23261), (25, 23267), (26, 23291), (27, 23387), (28, 23420), (29, 23435),

Gene: ScarletRaider_32 Start: 25989, Stop: 26660, Start Num: 3
Candidate Starts for ScarletRaider_32:
(2, 25980), (Start: 3 @25989 has 6 MA's), (5, 26037), (7, 26115), (10, 26145), (14, 26235), (15, 26271), (16, 26286), (18, 26298), (19, 26304), (20, 26325), (21, 26376), (22, 26382), (29, 26595), (30, 26634),

Gene: Schomber_32 Start: 22831, Stop: 23508, Start Num: 3
Candidate Starts for Schomber_32:
(1, 22600), (2, 22822), (Start: 3 @22831 has 6 MA's), (4, 22843), (9, 22981), (11, 23011), (12, 23017), (13, 23056), (16, 23143), (17, 23149), (19, 23161), (23, 23266), (24, 23269), (25, 23275), (26, 23299), (27, 23395), (28, 23428), (29, 23443),

Gene: UBSmoodge_34 Start: 24908, Stop: 25579, Start Num: 3
Candidate Starts for UBSmoodge_34:
(2, 24899), (Start: 3 @24908 has 6 MA's), (5, 24956), (8, 25046), (10, 25064), (15, 25190), (16, 25205), (18, 25217), (19, 25223), (20, 25244), (21, 25295), (22, 25301), (29, 25514), (31, 25556),