Zoomed Pham 348218



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 348218 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348218 has 12 members, 1 are drafts.

Phages represented in each track:
• Track 1 : PondAmelia_19
• Track 2 : Elva_19
• Track 3 : Stromboli_18
• Track 4 : Icarian_19
• Track 5 : DirtyBubble_18
• Track 6 : SanaSana_19, Stoor_18
• Track 7 : WalkingDead_18
• Track 8 : Quenya_18
• Track 9 : Loviatar_18, Akino08_17
• Track 10 : BabyYoda_18

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

The start number called the most often in the published annotations is 1, it was called in 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Akino08_17, BabyYoda_18, DirtyBubble_18, Elva_19, Icarian_19, Loviatar_18, PondAmelia_19, Quenya_18, SanaSana_19, Stoor_18, Stromboli_18, WalkingDead_18,

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 1:
• Found in 12 of 12 (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: Akino08_17 (EB), BabyYoda_18 (EB), DirtyBubble_18 (EB), Elva_19 (EB), Icarian_19 (EB), Loviatar_18 (EB), PondAmelia_19 (EB), Quenya_18 (EB), SanaSana_19 (EB), Stoor_18 (EB), Stromboli_18 (EB), WalkingDead_18 (EB),

Summary by clusters:

There is one cluster represented in this pham: EB

Info for manual annotations of cluster EB:
•Start number 1 was manually annotated 11 times for cluster EB.

Gene Information:

Gene: Akino08_17 Start: 13904, Stop: 16030, Start Num: 1
Candidate Starts for Akino08_17:
(Start: 1 @13904 has 11 MA's), (5, 14105), (6, 14147), (9, 14210), (10, 14222), (11, 14225), (13, 14321), (14, 14333), (15, 14372), (16, 14390), (17, 14444), (22, 14672), (26, 14834), (27, 14858), (28, 14900), (30, 14906), (32, 14942), (34, 14987), (37, 15065), (39, 15128), (40, 15155), (44, 15344), (48, 15428), (49, 15470), (50, 15473), (52, 15491), (54, 15521), (63, 15665), (68, 15773), (70, 16010),

Gene: BabyYoda_18 Start: 13988, Stop: 16123, Start Num: 1
Candidate Starts for BabyYoda_18:
(Start: 1 @13988 has 11 MA's), (5, 14189), (6, 14231), (9, 14294), (13, 14405), (14, 14417), (15, 14456), (17, 14528), (22, 14756), (27, 14942), (28, 14984), (32, 15026), (35, 15083), (36, 15128), (37, 15149), (39, 15212), (40, 15239), (43, 15416), (44, 15428), (48, 15518), (50, 15563), (51, 15575), (53, 15605), (54, 15617), (55, 15638), (58, 15707), (62, 15749), (66, 15809), (70, 16103),

Gene: DirtyBubble_18 Start: 13946, Stop: 16081, Start Num: 1
Candidate Starts for DirtyBubble_18:
(Start: 1 @13946 has 11 MA's), (5, 14147), (6, 14189), (9, 14252), (13, 14363), (14, 14375), (17, 14486), (22, 14714), (27, 14900), (28, 14942), (32, 14984), (34, 15029), (35, 15041), (36, 15086), (37, 15107), (39, 15170), (40, 15197), (43, 15374), (44, 15386), (48, 15476), (50, 15521), (51, 15533), (53, 15563), (54, 15575), (55, 15596), (58, 15665), (62, 15707), (65, 15764), (66, 15767), (70, 16061),

Gene: Elva_19 Start: 13907, Stop: 16039, Start Num: 1
Candidate Starts for Elva_19:
(Start: 1 @13907 has 11 MA's), (2, 13943), (5, 14108), (6, 14150), (13, 14324), (14, 14336), (16, 14393), (17, 14447), (20, 14540), (24, 14771), (27, 14861), (28, 14903), (31, 14936), (32, 14945), (34, 14990), (36, 15047), (42, 15245), (43, 15332), (44, 15344), (45, 15365), (48, 15434), (50, 15479), (51, 15491), (53, 15521), (54, 15533), (55, 15554), (58, 15623), (65, 15722), (66, 15725), (70, 16019),

Gene: Icarian_19 Start: 13828, Stop: 15954, Start Num: 1
Candidate Starts for Icarian_19:
(Start: 1 @13828 has 11 MA's), (5, 14029), (6, 14071), (9, 14134), (10, 14146), (11, 14149), (12, 14242), (13, 14245), (17, 14368), (22, 14596), (27, 14782), (28, 14824), (30, 14830), (32, 14866), (34, 14911), (37, 14989), (39, 15052), (40, 15079), (44, 15268), (48, 15352), (49, 15394), (50, 15397), (53, 15433), (54, 15445), (55, 15466), (56, 15487), (63, 15589), (70, 15934),

Gene: Loviatar_18 Start: 13919, Stop: 16045, Start Num: 1
Candidate Starts for Loviatar_18:

(Start: 1 @13919 has 11 MA's), (5, 14120), (6, 14162), (9, 14225), (10, 14237), (11, 14240), (13, 14336), (14, 14348), (15, 14387), (16, 14405), (17, 14459), (22, 14687), (26, 14849), (27, 14873), (28, 14915), (30, 14921), (32, 14957), (34, 15002), (37, 15080), (39, 15143), (40, 15170), (44, 15359), (48, 15443), (49, 15485), (50, 15488), (52, 15506), (54, 15536), (63, 15680), (68, 15788), (70, 16025),

Gene: PondAmelia_19 Start: 13971, Stop: 16097, Start Num: 1
Candidate Starts for PondAmelia_19:
(Start: 1 @13971 has 11 MA's), (5, 14172), (6, 14214), (9, 14277), (10, 14289), (13, 14388), (14, 14400), (15, 14439), (16, 14457), (17, 14511), (22, 14739), (24, 14835), (27, 14925), (28, 14967), (30, 14973), (32, 15009), (34, 15054), (37, 15132), (39, 15195), (40, 15222), (44, 15411), (48, 15495), (49, 15537), (50, 15540), (52, 15558), (53, 15576), (54, 15588), (55, 15609), (56, 15630), (63, 15732), (68, 15840), (70, 16077),

Gene: Quenya_18 Start: 13518, Stop: 15635, Start Num: 1
Candidate Starts for Quenya_18:
(Start: 1 @13518 has 11 MA's), (3, 13611), (4, 13704), (5, 13722), (6, 13764), (7, 13815), (8, 13818), (9, 13827), (13, 13938), (14, 13950), (17, 14061), (19, 14136), (21, 14256), (23, 14328), (25, 14436), (26, 14451), (27, 14475), (28, 14517), (29, 14520), (30, 14523), (31, 14550), (33, 14598), (34, 14604), (35, 14616), (38, 14709), (39, 14727), (41, 14808), (46, 14979), (47, 14985), (48, 15036), (51, 15093), (52, 15099), (53, 15120), (54, 15132), (55, 15153), (56, 15174), (57, 15222), (60, 15252), (61, 15255), (64, 15279), (65, 15318), (68, 15378), (69, 15399), (70, 15615),

Gene: SanaSana_19 Start: 13858, Stop: 15984, Start Num: 1
Candidate Starts for SanaSana_19:
(Start: 1 @13858 has 11 MA's), (5, 14059), (6, 14101), (9, 14164), (10, 14176), (11, 14179), (13, 14275), (14, 14287), (15, 14326), (16, 14344), (17, 14398), (18, 14461), (22, 14626), (27, 14812), (28, 14854), (32, 14896), (34, 14941), (37, 15019), (40, 15109), (44, 15298), (48, 15382), (49, 15424), (50, 15427), (53, 15463), (54, 15475), (56, 15517), (59, 15574), (63, 15619), (70, 15964),

Gene: Stoor_18 Start: 13855, Stop: 15981, Start Num: 1
Candidate Starts for Stoor_18:
(Start: 1 @13855 has 11 MA's), (5, 14056), (6, 14098), (9, 14161), (10, 14173), (11, 14176), (13, 14272), (14, 14284), (15, 14323), (16, 14341), (17, 14395), (18, 14458), (22, 14623), (27, 14809), (28, 14851), (32, 14893), (34, 14938), (37, 15016), (40, 15106), (44, 15295), (48, 15379), (49, 15421), (50, 15424), (53, 15460), (54, 15472), (56, 15514), (59, 15571), (63, 15616), (70, 15961),

Gene: Stromboli_18 Start: 13986, Stop: 16121, Start Num: 1
Candidate Starts for Stromboli_18:
(Start: 1 @13986 has 11 MA's), (5, 14187), (6, 14229), (9, 14292), (13, 14403), (14, 14415), (15, 14454), (17, 14526), (22, 14754), (27, 14940), (28, 14982), (32, 15024), (34, 15069), (35, 15081), (36, 15126), (37, 15147), (39, 15210), (40, 15237), (43, 15414), (44, 15426), (48, 15516), (50, 15561), (51, 15573), (53, 15603), (54, 15615), (55, 15636), (58, 15705), (62, 15747), (66, 15807), (70, 16101),

Gene: WalkingDead_18 Start: 13978, Stop: 16113, Start Num: 1
Candidate Starts for WalkingDead_18:
(Start: 1 @13978 has 11 MA's), (5, 14179), (6, 14221), (9, 14284), (10, 14296), (13, 14395), (14, 14407), (15, 14446), (16, 14464), (17, 14518), (22, 14746), (27, 14932), (28, 14974), (32, 15016), (34, 15061), (37, 15139), (39, 15202), (40, 15229), (44, 15418), (48, 15508), (50, 15553), (51, 15565), (53, 15595), (54, 15607), (55, 15628), (62, 15739), (65, 15796), (66, 15799), (67, 15838), (70, 16093),