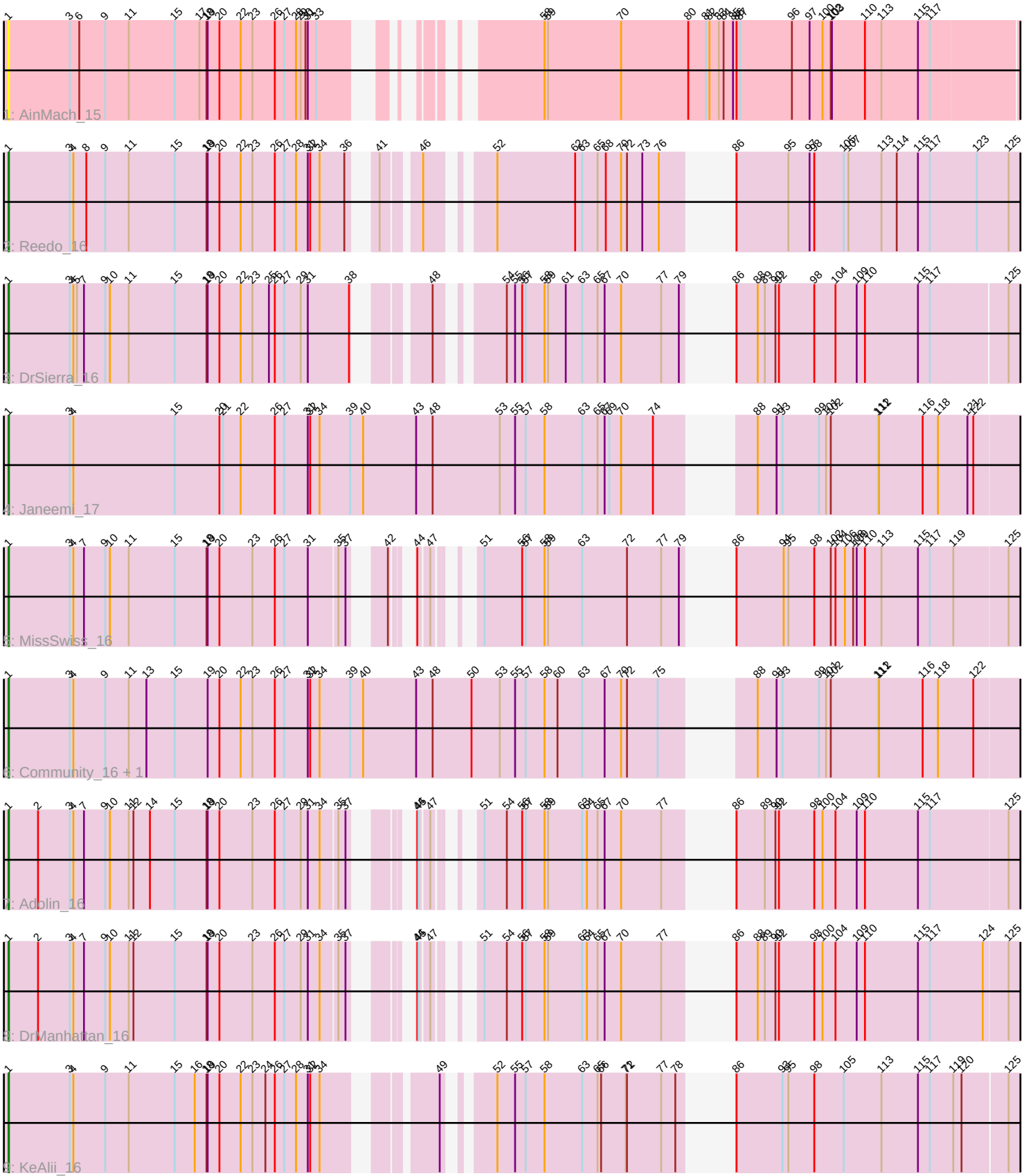
Pham 197069


1: AinMach_15
2: Reedo_16
3: DrSierra_16
4: Janeemi_17
5: MissSwiss_16
6: Community_16 + 1
7: Adblin_16
8: DrManhattan_16
9: KeAlii_16

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 197069 Report

This analysis was run 12/09/24 on database version 580.

Pham number 197069 has 10 members, 2 are drafts.

Phages represented in each track:
• Track 1 : AinMach_15
• Track 2 : Reedo_16
• Track 3 : DrSierra_16
• Track 4 : Janeemi_17
• Track 5 : MissSwiss_16
• Track 6 : Community_16, Tuck_17
• Track 7 : Adolin_16
• Track 8 : DrManhattan_16
• Track 9 : KeAlii_16

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 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adolin_16, AinMach_15, Community_16, DrManhattan_16, DrSierra_16, Janeemi_17, KeAlii_16, MissSwiss_16, Reedo_16, Tuck_17,

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 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adolin_16 (AZ1), AinMach_15 (AZ), Community_16 (AZ1), DrManhattan_16 (AZ1), DrSierra_16 (AZ1), Janeemi_17 (AZ1), KeAlii_16 (AZ1), MissSwiss_16 (AZ1), Reedo_16 (AZ1), Tuck_17 (AZ1),

Summary by clusters:

There are 2 clusters represented in this pham: AZ1, AZ,

Info for manual annotations of cluster AZ1:
•Start number 1 was manually annotated 8 times for cluster AZ1.

Gene Information:

Gene: Adolin_16 Start: 10723, Stop: 12957, Start Num: 1
Candidate Starts for Adolin_16:
(Start: 1 @10723 has 8 MA's), (2, 10798), (3, 10879), (4, 10888), (7, 10915), (9, 10969), (10, 10981), (11, 11029), (12, 11041), (14, 11083), (15, 11146), (18, 11227), (19, 11230), (20, 11260), (23, 11344), (26, 11401), (27, 11425), (29, 11467), (31, 11485), (34, 11515), (35, 11554), (37, 11572), (44, 11644), (45, 11647), (47, 11665), (51, 11710), (54, 11767), (56, 11806), (57, 11815), (58, 11863), (59, 11872), (63, 11959), (64, 11971), (65, 11998), (67, 12016), (70, 12058), (77, 12160), (86, 12220), (89, 12292), (90, 12319), (92, 12328), (98, 12418), (100, 12439), (104, 12472), (109, 12526), (110, 12547), (115, 12679), (117, 12709), (125, 12892),

Gene: AinMach_15 Start: 9852, Stop: 12212, Start Num: 1
Candidate Starts for AinMach_15:
(Start: 1 @9852 has 8 MA's), (3, 10008), (6, 10032), (9, 10098), (11, 10158), (15, 10275), (17, 10338), (18, 10356), (19, 10359), (20, 10389), (22, 10443), (23, 10473), (26, 10530), (27, 10554), (28, 10584), (29, 10596), (30, 10608), (31, 10614), (33, 10635), (58, 10980), (59, 10989), (70, 11175), (80, 11346), (81, 11391), (82, 11400), (83, 11424), (84, 11436), (85, 11460), (86, 11469), (87, 11478), (96, 11610), (97, 11655), (100, 11688), (102, 11709), (103, 11712), (110, 11796), (113, 11838), (115, 11928), (117, 11958),

Gene: Community_16 Start: 11793, Stop: 14270, Start Num: 1
Candidate Starts for Community_16:
(Start: 1 @11793 has 8 MA's), (3, 11949), (4, 11958), (9, 12039), (11, 12099), (13, 12144), (15, 12216), (19, 12300), (20, 12330), (22, 12384), (23, 12414), (26, 12471), (27, 12495), (31, 12555), (32, 12561), (34, 12585), (39, 12663), (40, 12696), (43, 12831), (48, 12873), (50, 12972), (53, 13044), (55, 13083), (57, 13110), (58, 13158), (60, 13191), (63, 13254), (67, 13311), (70, 13353), (72, 13368), (75, 13446), (88, 13569), (91, 13617), (93, 13632), (99, 13725), (101, 13743), (102, 13755), (111, 13875), (112, 13878), (116, 13989), (118, 14028), (122, 14118),

Gene: DrManhattan_16 Start: 10713, Stop: 12947, Start Num: 1
Candidate Starts for DrManhattan_16:
(Start: 1 @10713 has 8 MA's), (2, 10788), (3, 10869), (4, 10878), (7, 10905), (9, 10959), (10, 10971), (11, 11019), (12, 11031), (15, 11136), (18, 11217), (19, 11220), (20, 11250), (23, 11334), (26, 11391), (27, 11415), (29, 11457), (31, 11475), (34, 11505), (35, 11544), (37, 11562), (44, 11634), (45, 11637), (47, 11655), (51, 11700), (54, 11757), (56, 11796), (57, 11805), (58, 11853), (59, 11862), (63, 11949), (64, 11961), (65, 11988), (67, 12006), (70, 12048), (77, 12150), (86, 12210), (88, 12264), (89, 12282), (90, 12309), (92, 12318), (98, 12408), (100, 12429), (104, 12462), (109, 12516), (110, 12537), (115, 12669), (117, 12699), (124, 12828), (125, 12882),

Gene: DrSierra_16 Start: 10741, Stop: 13035, Start Num: 1
Candidate Starts for DrSierra_16:

(Start: 1 @10741 has 8 MA's), (3, 10897), (4, 10906), (5, 10915), (7, 10933), (9, 10987), (10, 10999), (11, 11047), (15, 11164), (18, 11245), (19, 11248), (20, 11278), (22, 11332), (23, 11362), (25, 11404), (26, 11419), (27, 11443), (29, 11485), (31, 11503), (38, 11608), (48, 11728), (54, 11848), (55, 11869), (56, 11887), (57, 11896), (58, 11944), (59, 11953), (61, 11998), (63, 12040), (65, 12079), (67, 12097), (70, 12139), (77, 12241), (79, 12286), (86, 12301), (88, 12355), (89, 12373), (90, 12400), (92, 12409), (98, 12499), (104, 12553), (109, 12607), (110, 12628), (115, 12760), (117, 12790), (125, 12970),

Gene: Janeemi_17 Start: 11821, Stop: 14298, Start Num: 1
Candidate Starts for Janeemi_17:
(Start: 1 @11821 has 8 MA's), (3, 11977), (4, 11986), (15, 12244), (20, 12358), (21, 12367), (22, 12412), (26, 12499), (27, 12523), (31, 12583), (32, 12589), (34, 12613), (39, 12691), (40, 12724), (43, 12859), (48, 12901), (53, 13072), (55, 13111), (57, 13138), (58, 13186), (63, 13282), (65, 13321), (67, 13339), (69, 13351), (70, 13381), (74, 13462), (88, 13597), (91, 13645), (93, 13660), (99, 13753), (101, 13771), (102, 13783), (111, 13903), (112, 13906), (116, 14017), (118, 14056), (121, 14131), (122, 14146),

Gene: KeAlii_16 Start: 10771, Stop: 13071, Start Num: 1
Candidate Starts for KeAlii_16:
(Start: 1 @10771 has 8 MA's), (3, 10927), (4, 10936), (9, 11017), (11, 11077), (15, 11194), (16, 11245), (18, 11275), (19, 11278), (20, 11308), (22, 11362), (23, 11392), (24, 11425), (26, 11449), (27, 11473), (28, 11503), (31, 11533), (32, 11539), (34, 11563), (49, 11776), (52, 11857), (55, 11902), (57, 11929), (58, 11977), (63, 12073), (65, 12112), (66, 12121), (71, 12184), (72, 12187), (77, 12274), (78, 12310), (86, 12334), (93, 12451), (95, 12466), (98, 12532), (105, 12607), (113, 12703), (115, 12793), (117, 12823), (119, 12877), (120, 12898), (125, 13006),

Gene: MissSwiss_16 Start: 10713, Stop: 12947, Start Num: 1
Candidate Starts for MissSwiss_16:
(Start: 1 @10713 has 8 MA's), (3, 10869), (4, 10878), (7, 10905), (9, 10959), (10, 10971), (11, 11019), (15, 11136), (18, 11217), (19, 11220), (20, 11250), (23, 11334), (26, 11391), (27, 11415), (31, 11475), (35, 11544), (37, 11562), (42, 11613), (44, 11634), (47, 11655), (51, 11700), (56, 11796), (57, 11805), (58, 11853), (59, 11862), (63, 11949), (72, 12063), (77, 12150), (79, 12195), (86, 12210), (94, 12330), (95, 12342), (98, 12408), (102, 12450), (104, 12462), (106, 12486), (108, 12507), (109, 12516), (110, 12537), (113, 12579), (115, 12669), (117, 12699), (119, 12753), (125, 12882),

Gene: Reedo_16 Start: 10781, Stop: 13090, Start Num: 1
Candidate Starts for Reedo_16:
(Start: 1 @10781 has 8 MA's), (3, 10937), (4, 10946), (8, 10979), (9, 11027), (11, 11087), (15, 11204), (18, 11285), (19, 11288), (20, 11318), (22, 11372), (23, 11402), (26, 11459), (27, 11483), (28, 11513), (31, 11543), (32, 11549), (34, 11573), (36, 11636), (41, 11669), (46, 11747), (52, 11864), (62, 12062), (63, 12080), (65, 12119), (68, 12140), (70, 12179), (72, 12194), (73, 12233), (76, 12275), (86, 12341), (95, 12473), (97, 12527), (98, 12539), (105, 12614), (107, 12626), (113, 12710), (114, 12746), (115, 12800), (117, 12830), (123, 12944), (125, 13022),

Gene: Tuck_17 Start: 11773, Stop: 14250, Start Num: 1
Candidate Starts for Tuck_17:
(Start: 1 @11773 has 8 MA's), (3, 11929), (4, 11938), (9, 12019), (11, 12079), (13, 12124), (15, 12196), (19, 12280), (20, 12310), (22, 12364), (23, 12394), (26, 12451), (27, 12475), (31, 12535), (32, 12541), (34, 12565), (39, 12643), (40, 12676), (43, 12811), (48, 12853), (50, 12952), (53, 13024), (55, 13063), (57, 13090), (58, 13138), (60, 13171), (63, 13234), (67, 13291), (70, 13333), (72, 13348), (75, 13426), (88, 13549), (91, 13597), (93, 13612), (99, 13705), (101, 13723), (102, 13735), (111, 13855), (112, 13858), (116, 13969), (118, 14008), (122, 14098),