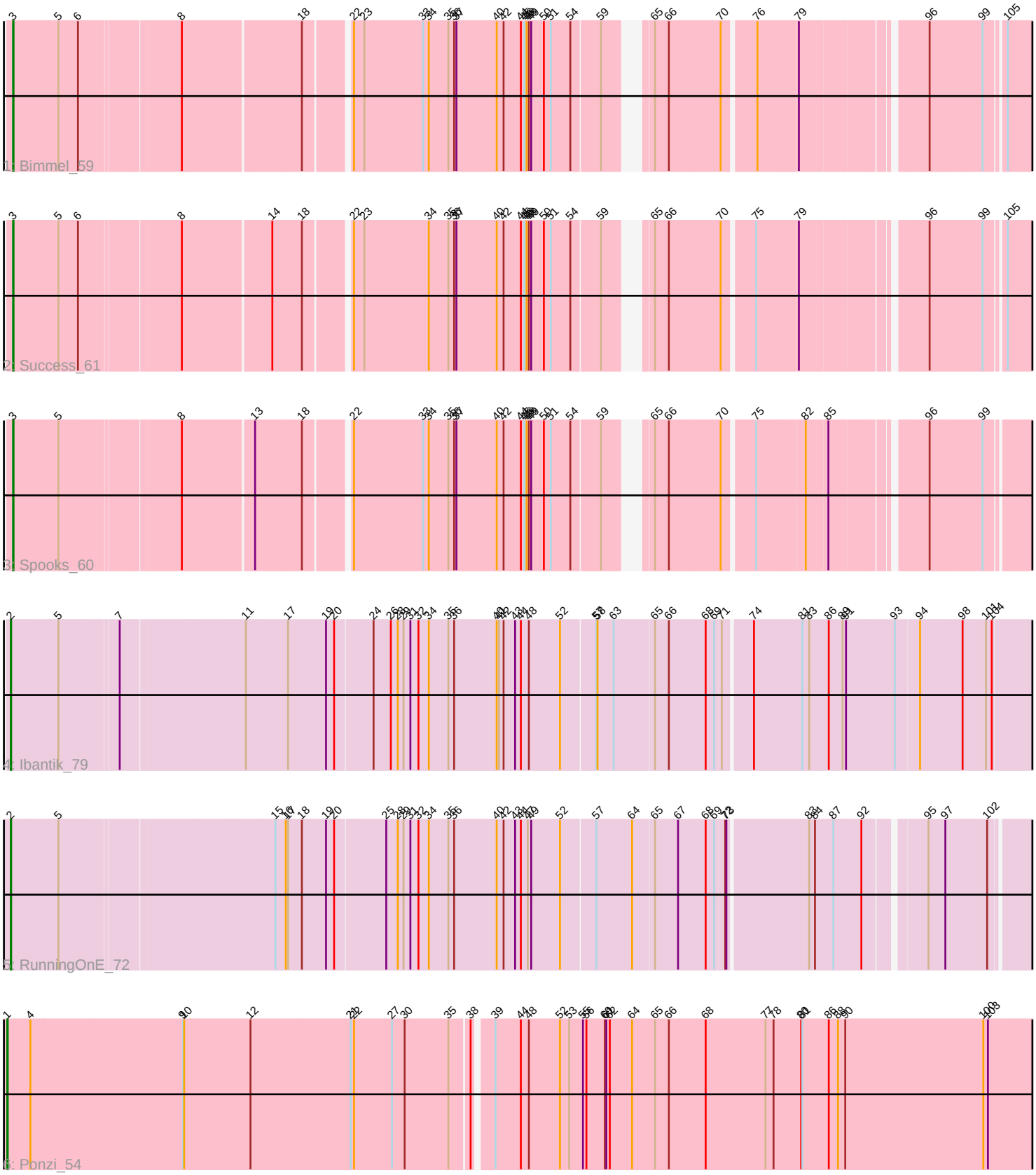
Zoomed Pham 348384



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 348384 Report

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

Pham number 348384 has 6 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Bimmel_59
• Track 2 : Success_61
• Track 3 : Spooks_60
• Track 4 : Ibantik_79
• Track 5 : RunningOnE_72
• Track 6 : Ponzi_54

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 3 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bimmel_59, Spooks_60, Success_61,

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

Genes that do not have the "Most Annotated" start:
• Ibantik_79, Ponzi_54, RunningOnE_72,

Summary by start number:

Start 1:
• Found in 1 of 6 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ponzi_54 (singleton),

Start 2:
• Found in 2 of 6 (33.3%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ibantik_79 (JN), RunningOnE_72 (JN),

Start 3:
• Found in 3 of 6 (50.0%) of genes in pham
• Manual Annotations of this start: 3 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bimmel_59 (BT), Spooks_60 (BT), Success_61 (BT),

Summary by clusters:

There are 3 clusters represented in this pham: BT, JN, singleton,

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

Info for manual annotations of cluster JN:
•Start number 2 was manually annotated 2 times for cluster JN.

Gene Information:

Gene: Bimmel_59 Start: 33191, Stop: 37711, Start Num: 3
Candidate Starts for Bimmel_59:
(Start: 3 @33191 has 3 MA's), (5, 33302), (6, 33347), (8, 33590), (18, 33884), (22, 33989), (23, 34016), (33, 34169), (34, 34184), (35, 34235), (36, 34250), (37, 34256), (40, 34361), (42, 34379), (44, 34424), (45, 34433), (46, 34439), (48, 34445), (49, 34451), (50, 34484), (51, 34502), (54, 34553), (59, 34622), (65, 34697), (66, 34733), (70, 34862), (76, 34940), (79, 35039), (96, 35321), (99, 35447), (105, 35492), (108, 35621), (114, 35795), (117, 35864), (118, 35888), (126, 36206), (127, 36221), (129, 36233), (137, 36458), (138, 36470), (139, 36482), (143, 36575), (144, 36599), (145, 36611), (148, 36644), (153, 36779), (154, 36788), (166, 36947), (170, 37016), (171, 37037), (175, 37115), (181, 37181), (186, 37232), (187, 37259), (189, 37310), (190, 37316), (191, 37349), (192, 37373), (195, 37523), (198, 37571), (203, 37628), (205, 37664),

Gene: Ibantik_79 Start: 37220, Stop: 41926, Start Num: 2
Candidate Starts for Ibantik_79:
(Start: 2 @37220 has 2 MA's), (5, 37334), (7, 37475), (11, 37784), (17, 37892), (19, 37991), (20, 38012), (24, 38105), (26, 38150), (28, 38168), (29, 38183), (31, 38201), (32, 38222), (34, 38249), (35, 38300), (36, 38315), (40, 38420), (41, 38426), (42, 38438), (43, 38468), (44, 38483), (48, 38504), (52, 38585), (57, 38669), (58, 38672), (63, 38714), (65, 38816), (66, 38852), (68, 38948), (69, 38969), (71, 38984), (74, 39053), (81, 39179), (83, 39197), (86, 39248), (89, 39284), (91, 39293), (93, 39416), (94, 39476), (98, 39581), (101, 39635), (104, 39650), (111, 39914), (112, 39923), (113, 39956), (119, 40118), (120, 40130), (121, 40139), (122, 40151), (129, 40415), (130, 40475), (131, 40514), (132, 40523), (133, 40568), (134, 40571), (139, 40688), (140, 40694), (142, 40772), (150, 40895), (151, 40931), (159, 41066), (162, 41102), (166, 41165), (167, 41168), (179, 41396), (182, 41423), (184, 41438), (186, 41459), (189, 41537), (195, 41732), (196, 41753), (197, 41756), (201, 41813), (206, 41906), (207, 41921),

Gene: Ponzi_54 Start: 30607, Stop: 36528, Start Num: 1
Candidate Starts for Ponzi_54:
(Start: 1 @30607 has 1 MA's), (4, 30667), (9, 31063), (10, 31066), (12, 31234), (21, 31489), (22, 31498), (27, 31597), (30, 31630), (35, 31744), (38, 31792), (39, 31831), (44, 31897), (48, 31918), (52, 31999), (53, 32023), (55, 32059), (56, 32068), (60, 32116), (61, 32119), (62, 32128), (64, 32185), (65,

32242), (66, 32278), (68, 32374), (77, 32530), (78, 32551), (80, 32623), (81, 32626), (86, 32695), (88, 32719), (90, 32737), (100, 33097), (103, 33109), (106, 33232), (113, 33442), (115, 33529), (116, 33532), (124, 33736), (129, 33892), (130, 33952), (131, 33991), (134, 34048), (139, 34156), (140, 34162), (141, 34177), (147, 34306), (149, 34351), (152, 34444), (157, 34516), (160, 34546), (161, 34549), (163, 34591), (164, 34600), (165, 34624), (166, 34633), (168, 34687), (171, 34723), (175, 34810), (179, 34864), (180, 34867), (185, 34909), (189, 35005), (197, 35224), (199, 35269), (202, 35287), (204, 35332), (208, 35575), (209, 35794), (210, 35809), (211, 35830), (212, 35893), (213, 35938), (214, 35941), (215, 35950), (216, 36007), (217, 36256), (218, 36367), (219, 36394), (220, 36424), (221, 36496), (222, 36511), (223, 36514),

Gene: RunningOnE_72 Start: 35955, Stop: 40634, Start Num: 2
Candidate Starts for RunningOnE_72:
(Start: 2 @35955 has 2 MA's), (5, 36072), (15, 36597), (16, 36624), (17, 36630), (18, 36666), (19, 36729), (20, 36750), (25, 36876), (28, 36906), (29, 36921), (31, 36939), (32, 36960), (34, 36987), (35, 37038), (36, 37053), (40, 37161), (42, 37179), (43, 37209), (44, 37224), (47, 37242), (49, 37251), (52, 37326), (57, 37410), (64, 37503), (65, 37557), (67, 37617), (68, 37689), (69, 37710), (72, 37734), (73, 37737), (83, 37938), (84, 37953), (87, 38001), (92, 38073), (95, 38205), (97, 38247), (102, 38346), (107, 38466), (108, 38508), (110, 38541), (113, 38649), (118, 38757), (120, 38823), (122, 38844), (123, 38877), (125, 38985), (126, 39090), (130, 39180), (134, 39276), (135, 39300), (136, 39336), (138, 39363), (139, 39384), (140, 39390), (144, 39501), (145, 39513), (150, 39597), (153, 39687), (155, 39720), (158, 39762), (162, 39804), (166, 39867), (169, 39924), (172, 40005), (173, 40032), (174, 40041), (176, 40059), (177, 40071), (178, 40092), (179, 40098), (183, 40134), (186, 40161), (188, 40194), (189, 40239), (193, 40407), (195, 40434), (200, 40512), (206, 40614),

Gene: Spooks_60 Start: 34492, Stop: 39015, Start Num: 3
Candidate Starts for Spooks_60:
(Start: 3 @34492 has 3 MA's), (5, 34603), (8, 34891), (13, 35065), (18, 35185), (22, 35290), (33, 35470), (34, 35485), (35, 35536), (36, 35551), (37, 35557), (40, 35662), (42, 35680), (44, 35725), (45, 35734), (46, 35740), (48, 35746), (49, 35752), (50, 35785), (51, 35803), (54, 35854), (59, 35923), (65, 35998), (66, 36034), (70, 36163), (75, 36238), (82, 36358), (85, 36412), (96, 36622), (99, 36748), (108, 36922), (109, 36925), (110, 36955), (117, 37165), (126, 37504), (127, 37519), (129, 37531), (137, 37762), (138, 37774), (139, 37786), (140, 37792), (143, 37879), (144, 37903), (145, 37915), (146, 37927), (152, 38074), (154, 38092), (166, 38251), (170, 38320), (171, 38341), (175, 38419), (181, 38485), (186, 38536), (189, 38614), (191, 38653), (192, 38677), (194, 38824), (195, 38827), (198, 38875), (203, 38932), (205, 38968),

Gene: Success_61 Start: 33611, Stop: 38149, Start Num: 3
Candidate Starts for Success_61:
(Start: 3 @33611 has 3 MA's), (5, 33722), (6, 33767), (8, 34010), (14, 34229), (18, 34304), (22, 34409), (23, 34436), (34, 34604), (35, 34655), (36, 34670), (37, 34676), (40, 34781), (42, 34799), (44, 34844), (45, 34853), (46, 34859), (48, 34865), (49, 34871), (50, 34904), (51, 34922), (54, 34973), (59, 35042), (65, 35117), (66, 35153), (70, 35282), (75, 35357), (79, 35459), (96, 35741), (99, 35867), (105, 35912), (108, 36041), (110, 36074), (114, 36215), (117, 36284), (127, 36653), (128, 36659), (129, 36671), (137, 36896), (138, 36908), (139, 36920), (143, 37013), (144, 37037), (145, 37049), (148, 37082), (153, 37217), (154, 37226), (156, 37268), (166, 37385), (170, 37454), (171, 37475), (175, 37553), (181, 37619), (186, 37670), (189, 37748), (190, 37754), (191, 37787), (192, 37811), (198, 38009), (203, 38066), (205, 38102),