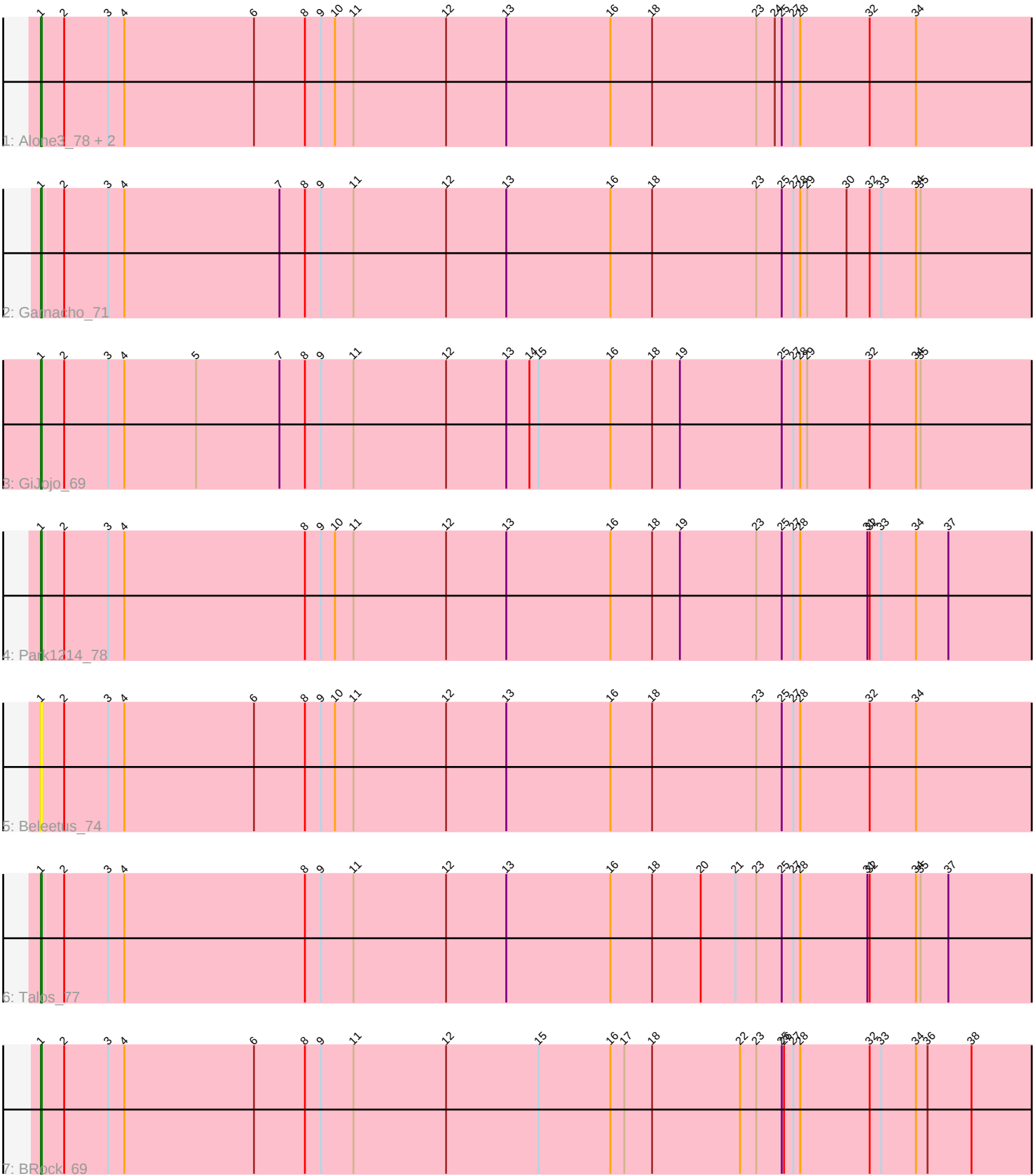


Zoomed Pham 329703



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 329703 Report

This analysis was run 09/05/26 on database version 662.

Pham number 329703 has 9 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Alone3_78, Fudan_74, LuckySocke_76
- Track 2 : Garnacho_71
- Track 3 : GiJojo_69
- Track 4 : Park1214_78
- Track 5 : Beleetus_74
- Track 6 : Talos_77
- Track 7 : BRock_69

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:

- Alone3_78, BRock_69, Beleetus_74, Fudan_74, Garnacho_71, GiJojo_69, LuckySocke_76, Park1214_78, Talos_77,

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 9 of 9 (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: Alone3_78 (BS), BRock_69 (BS), Beleetus_74 (BS), Fudan_74 (BS), Garnacho_71 (BS), GiJojo_69 (BS), LuckySocke_76 (BS), Park1214_78 (BS), Talos_77 (BS),

Summary by clusters:

There is one cluster represented in this pham: BS

Info for manual annotations of cluster BS:

•Start number 1 was manually annotated 8 times for cluster BS.

Gene Information:

Gene: Alone3_78 Start: 29840, Stop: 31564, Start Num: 1

Candidate Starts for Alone3_78:

(Start: 1 @29840 has 8 MA's), (2, 29870), (3, 29927), (4, 29948), (6, 30116), (8, 30182), (9, 30203), (10, 30221), (11, 30245), (12, 30365), (13, 30443), (16, 30578), (18, 30632), (23, 30767), (24, 30791), (25, 30800), (27, 30815), (28, 30824), (32, 30914), (34, 30974), (39, 31127), (40, 31163), (41, 31166), (42, 31172), (44, 31292), (45, 31328), (49, 31436), (51, 31481), (52, 31490),

Gene: BRock_69 Start: 26406, Stop: 28127, Start Num: 1

Candidate Starts for BRock_69:

(Start: 1 @26406 has 8 MA's), (2, 26436), (3, 26493), (4, 26514), (6, 26682), (8, 26748), (9, 26769), (11, 26811), (12, 26931), (15, 27051), (16, 27144), (17, 27162), (18, 27198), (22, 27312), (23, 27333), (25, 27366), (26, 27369), (27, 27381), (28, 27390), (32, 27480), (33, 27495), (34, 27540), (36, 27555), (38, 27612), (39, 27693), (40, 27729), (41, 27732), (42, 27738), (43, 27765), (44, 27858), (45, 27894), (46, 27906), (47, 27927), (48, 27930), (52, 28053), (53, 28065),

Gene: Beleetus_74 Start: 27964, Stop: 29688, Start Num: 1

Candidate Starts for Beleetus_74:

(Start: 1 @27964 has 8 MA's), (2, 27994), (3, 28051), (4, 28072), (6, 28240), (8, 28306), (9, 28327), (10, 28345), (11, 28369), (12, 28489), (13, 28567), (16, 28702), (18, 28756), (23, 28891), (25, 28924), (27, 28939), (28, 28948), (32, 29038), (34, 29098), (39, 29251), (40, 29287), (41, 29290), (42, 29296), (44, 29416), (45, 29452), (49, 29560), (51, 29605), (52, 29614), (53, 29626),

Gene: Fudan_74 Start: 28633, Stop: 30357, Start Num: 1

Candidate Starts for Fudan_74:

(Start: 1 @28633 has 8 MA's), (2, 28663), (3, 28720), (4, 28741), (6, 28909), (8, 28975), (9, 28996), (10, 29014), (11, 29038), (12, 29158), (13, 29236), (16, 29371), (18, 29425), (23, 29560), (24, 29584), (25, 29593), (27, 29608), (28, 29617), (32, 29707), (34, 29767), (39, 29920), (40, 29956), (41, 29959), (42, 29965), (44, 30085), (45, 30121), (49, 30229), (51, 30274), (52, 30283),

Gene: Garnacho_71 Start: 28385, Stop: 30106, Start Num: 1

Candidate Starts for Garnacho_71:

(Start: 1 @28385 has 8 MA's), (2, 28412), (3, 28469), (4, 28490), (7, 28691), (8, 28724), (9, 28745), (11, 28787), (12, 28907), (13, 28985), (16, 29120), (18, 29174), (23, 29309), (25, 29342), (27, 29357), (28, 29366), (29, 29375), (30, 29426), (32, 29456), (33, 29471), (34, 29516), (35, 29522), (39, 29669), (40, 29705), (41, 29708), (42, 29714), (44, 29834), (45, 29870), (50, 30014), (51, 30023), (52, 30032), (53, 30044),

Gene: GiJojo_69 Start: 29266, Stop: 30984, Start Num: 1

Candidate Starts for GiJojo_69:

(Start: 1 @29266 has 8 MA's), (2, 29296), (3, 29353), (4, 29374), (5, 29467), (7, 29575), (8, 29608), (9, 29629), (11, 29671), (12, 29791), (13, 29869), (14, 29899), (15, 29911), (16, 30004), (18, 30058), (19, 30094), (25, 30226), (27, 30241), (28, 30250), (29, 30259), (32, 30340), (34, 30400), (35, 30406), (39, 30553), (40, 30589), (41, 30592), (42, 30598), (44, 30718), (45, 30754), (47, 30787), (50, 30892), (51,

30901), (52, 30910), (53, 30922),

Gene: LuckySocke_76 Start: 28582, Stop: 30306, Start Num: 1

Candidate Starts for LuckySocke_76:

(Start: 1 @28582 has 8 MA's), (2, 28612), (3, 28669), (4, 28690), (6, 28858), (8, 28924), (9, 28945), (10, 28963), (11, 28987), (12, 29107), (13, 29185), (16, 29320), (18, 29374), (23, 29509), (24, 29533), (25, 29542), (27, 29557), (28, 29566), (32, 29656), (34, 29716), (39, 29869), (40, 29905), (41, 29908), (42, 29914), (44, 30034), (45, 30070), (49, 30178), (51, 30223), (52, 30232),

Gene: Park1214_78 Start: 29429, Stop: 31150, Start Num: 1

Candidate Starts for Park1214_78:

(Start: 1 @29429 has 8 MA's), (2, 29456), (3, 29513), (4, 29534), (8, 29768), (9, 29789), (10, 29807), (11, 29831), (12, 29951), (13, 30029), (16, 30164), (18, 30218), (19, 30254), (23, 30353), (25, 30386), (27, 30401), (28, 30410), (31, 30497), (32, 30500), (33, 30515), (34, 30560), (37, 30602), (39, 30713), (40, 30749), (41, 30752), (42, 30758), (44, 30878), (45, 30914), (50, 31058), (51, 31067), (52, 31076), (53, 31088),

Gene: Talos_77 Start: 28393, Stop: 30108, Start Num: 1

Candidate Starts for Talos_77:

(Start: 1 @28393 has 8 MA's), (2, 28420), (3, 28477), (4, 28498), (8, 28732), (9, 28753), (11, 28795), (12, 28915), (13, 28993), (16, 29128), (18, 29182), (20, 29245), (21, 29290), (23, 29317), (25, 29350), (27, 29365), (28, 29374), (31, 29461), (32, 29464), (34, 29524), (35, 29530), (37, 29566), (39, 29677), (40, 29713), (41, 29716), (42, 29722), (44, 29842), (45, 29878), (49, 29980), (51, 30025), (52, 30034), (53, 30046),