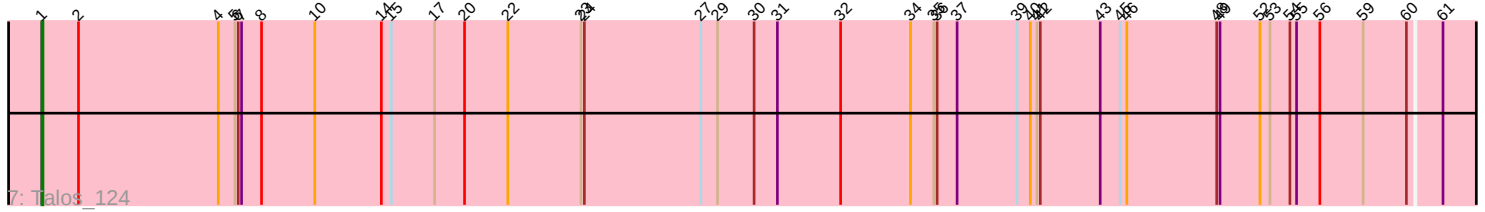
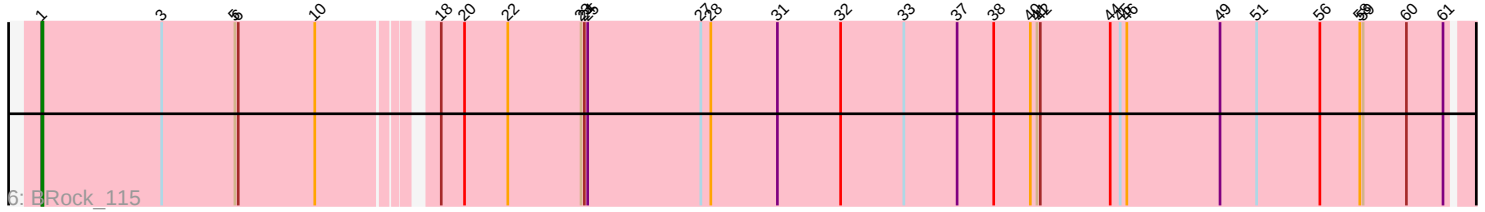
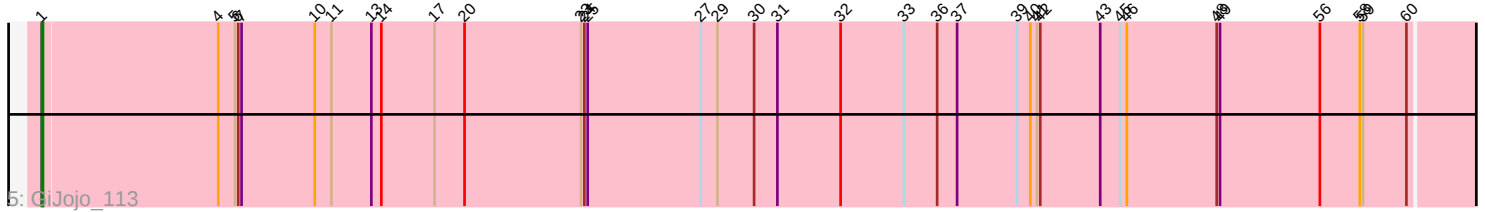
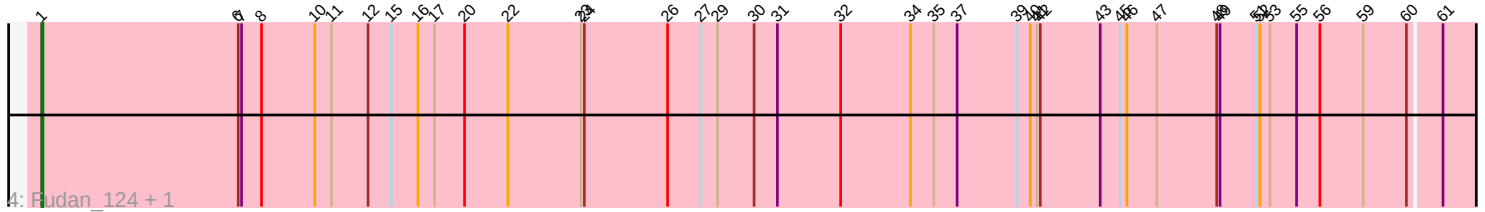
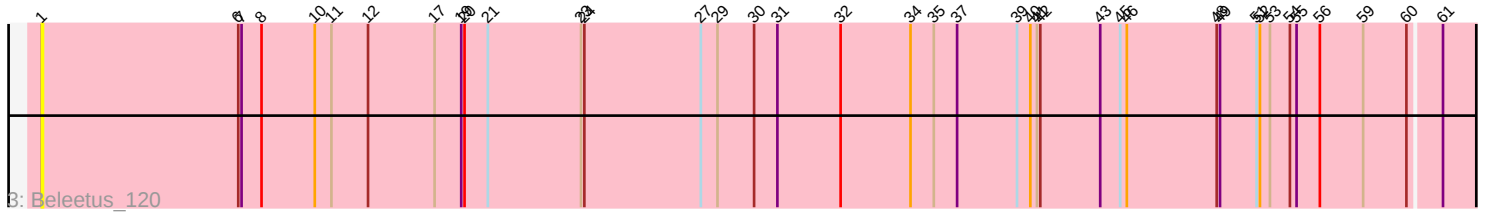
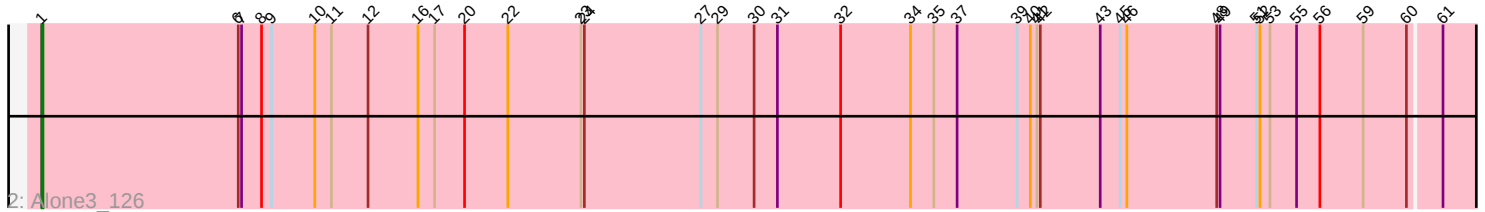
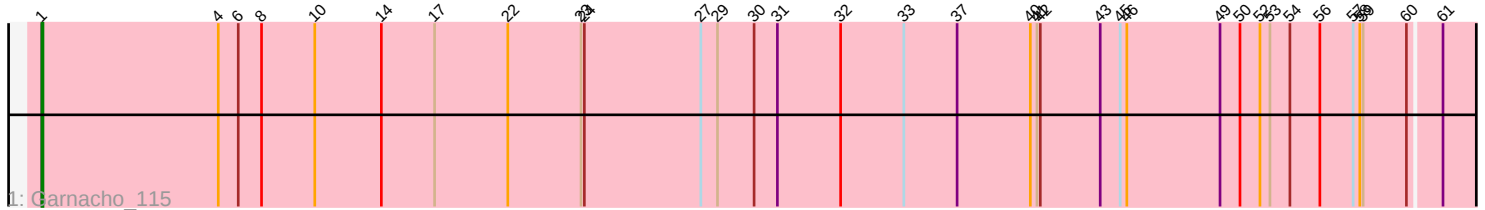


Pham 272474



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 272474 Report

This analysis was run 02/07/26 on database version 634.

Pham number 272474 has 8 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Garnacho_115
- Track 2 : Alone3_126
- Track 3 : Beleetus_120
- Track 4 : Fudan_124, LuckySocke_122
- Track 5 : GiJojo_113
- Track 6 : BRock_115
- Track 7 : Talos_124

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

Genes that call this "Most Annotated" start:

- Alone3_126, BRock_115, Beleetus_120, Fudan_124, Garnacho_115, GiJojo_113, LuckySocke_122, Talos_124,

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 8 of 8 (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: Alone3_126 (BS), BRock_115 (BS), Beleetus_120 (BS), Fudan_124 (BS), Garnacho_115 (BS), GiJojo_113 (BS), LuckySocke_122 (BS), Talos_124 (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 6 times for cluster BS.

Gene Information:

Gene: Alone3_126 Start: 66827, Stop: 68122, Start Num: 1

Candidate Starts for Alone3_126:

(Start: 1 @66827 has 6 MA's), (6, 67004), (7, 67007), (8, 67025), (9, 67034), (10, 67073), (11, 67088), (12, 67121), (16, 67166), (17, 67181), (20, 67208), (22, 67247), (23, 67313), (24, 67316), (27, 67421), (29, 67436), (30, 67469), (31, 67490), (32, 67547), (34, 67610), (35, 67631), (37, 67652), (39, 67706), (40, 67718), (41, 67724), (42, 67727), (43, 67781), (45, 67799), (46, 67805), (48, 67886), (49, 67889), (51, 67922), (52, 67925), (53, 67934), (55, 67958), (56, 67979), (59, 68018), (60, 68057), (61, 68084),

Gene: BRock_115 Start: 61065, Stop: 62330, Start Num: 1

Candidate Starts for BRock_115:

(Start: 1 @61065 has 6 MA's), (3, 61173), (5, 61239), (6, 61242), (10, 61311), (18, 61398), (20, 61419), (22, 61458), (23, 61524), (24, 61527), (25, 61530), (27, 61632), (28, 61641), (31, 61701), (32, 61758), (33, 61815), (37, 61863), (38, 61896), (40, 61929), (41, 61935), (42, 61938), (44, 62001), (45, 62010), (46, 62016), (49, 62100), (51, 62133), (56, 62190), (58, 62226), (59, 62229), (60, 62268), (61, 62301),

Gene: Beleetus_120 Start: 64413, Stop: 65708, Start Num: 1

Candidate Starts for Beleetus_120:

(Start: 1 @64413 has 6 MA's), (6, 64590), (7, 64593), (8, 64611), (10, 64659), (11, 64674), (12, 64707), (17, 64767), (19, 64791), (20, 64794), (21, 64815), (23, 64899), (24, 64902), (27, 65007), (29, 65022), (30, 65055), (31, 65076), (32, 65133), (34, 65196), (35, 65217), (37, 65238), (39, 65292), (40, 65304), (41, 65310), (42, 65313), (43, 65367), (45, 65385), (46, 65391), (48, 65472), (49, 65475), (51, 65508), (52, 65511), (53, 65520), (54, 65538), (55, 65544), (56, 65565), (59, 65604), (60, 65643), (61, 65670),

Gene: Fudan_124 Start: 65037, Stop: 66332, Start Num: 1

Candidate Starts for Fudan_124:

(Start: 1 @65037 has 6 MA's), (6, 65214), (7, 65217), (8, 65235), (10, 65283), (11, 65298), (12, 65331), (15, 65352), (16, 65376), (17, 65391), (20, 65418), (22, 65457), (23, 65523), (24, 65526), (26, 65601), (27, 65631), (29, 65646), (30, 65679), (31, 65700), (32, 65757), (34, 65820), (35, 65841), (37, 65862), (39, 65916), (40, 65928), (41, 65934), (42, 65937), (43, 65991), (45, 66009), (46, 66015), (47, 66042), (48, 66096), (49, 66099), (51, 66132), (52, 66135), (53, 66144), (55, 66168), (56, 66189), (59, 66228), (60, 66267), (61, 66294),

Gene: Garnacho_115 Start: 64595, Stop: 65890, Start Num: 1

Candidate Starts for Garnacho_115:

(Start: 1 @64595 has 6 MA's), (4, 64754), (6, 64772), (8, 64793), (10, 64841), (14, 64901), (17, 64949), (22, 65015), (23, 65081), (24, 65084), (27, 65189), (29, 65204), (30, 65237), (31, 65258), (32, 65315), (33, 65372), (37, 65420), (40, 65486), (41, 65492), (42, 65495), (43, 65549), (45, 65567), (46, 65573), (49, 65657), (50, 65675), (52, 65693), (53, 65702), (54, 65720), (56, 65747), (57, 65777), (58, 65783), (59, 65786), (60, 65825), (61, 65852),

Gene: GiJojo_113 Start: 65688, Stop: 66980, Start Num: 1

Candidate Starts for GiJojo_113:

(Start: 1 @65688 has 6 MA's), (4, 65844), (5, 65859), (6, 65862), (7, 65865), (10, 65931), (11, 65946), (13, 65982), (14, 65991), (17, 66039), (20, 66066), (23, 66171), (24, 66174), (25, 66177), (27, 66279), (29, 66294), (30, 66327), (31, 66348), (32, 66405), (33, 66462), (36, 66492), (37, 66510), (39, 66564), (40, 66576), (41, 66582), (42, 66585), (43, 66639), (45, 66657), (46, 66663), (48, 66744), (49, 66747), (56, 66837), (58, 66873), (59, 66876), (60, 66915),

Gene: LuckySocke_122 Start: 64986, Stop: 66281, Start Num: 1

Candidate Starts for LuckySocke_122:

(Start: 1 @64986 has 6 MA's), (6, 65163), (7, 65166), (8, 65184), (10, 65232), (11, 65247), (12, 65280), (15, 65301), (16, 65325), (17, 65340), (20, 65367), (22, 65406), (23, 65472), (24, 65475), (26, 65550), (27, 65580), (29, 65595), (30, 65628), (31, 65649), (32, 65706), (34, 65769), (35, 65790), (37, 65811), (39, 65865), (40, 65877), (41, 65883), (42, 65886), (43, 65940), (45, 65958), (46, 65964), (47, 65991), (48, 66045), (49, 66048), (51, 66081), (52, 66084), (53, 66093), (55, 66117), (56, 66138), (59, 66177), (60, 66216), (61, 66243),

Gene: Talos_124 Start: 64848, Stop: 66143, Start Num: 1

Candidate Starts for Talos_124:

(Start: 1 @64848 has 6 MA's), (2, 64881), (4, 65007), (5, 65022), (6, 65025), (7, 65028), (8, 65046), (10, 65094), (14, 65154), (15, 65163), (17, 65202), (20, 65229), (22, 65268), (23, 65334), (24, 65337), (27, 65442), (29, 65457), (30, 65490), (31, 65511), (32, 65568), (34, 65631), (35, 65652), (36, 65655), (37, 65673), (39, 65727), (40, 65739), (41, 65745), (42, 65748), (43, 65802), (45, 65820), (46, 65826), (48, 65907), (49, 65910), (52, 65946), (53, 65955), (54, 65973), (55, 65979), (56, 66000), (59, 66039), (60, 66078), (61, 66105),