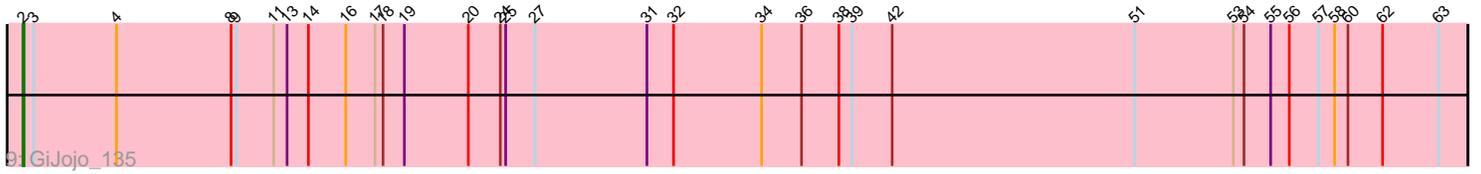
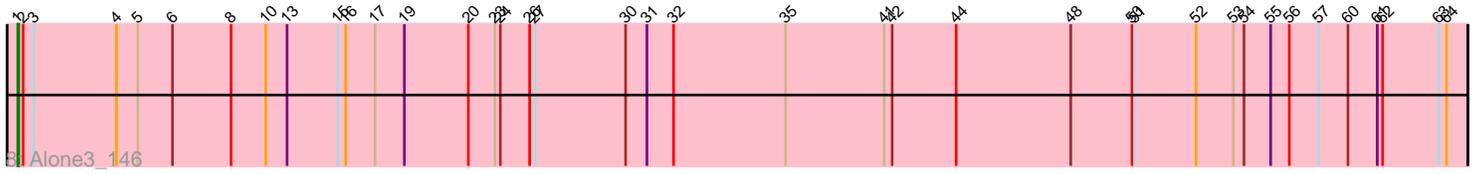
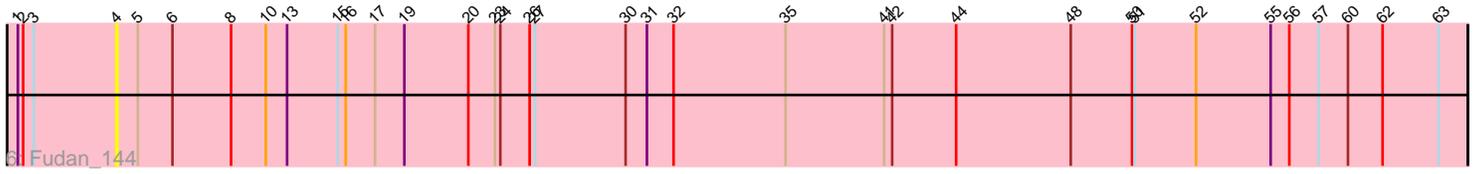
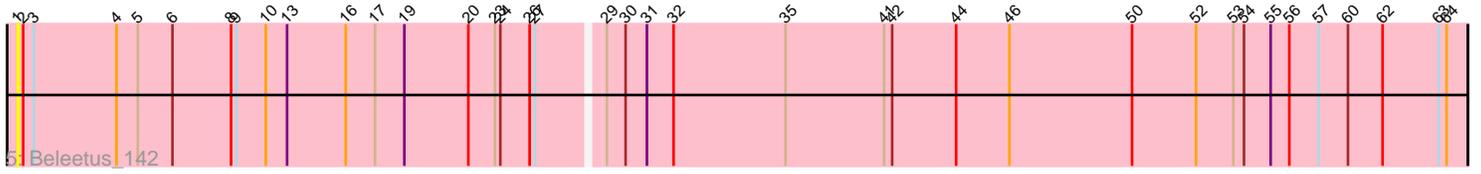
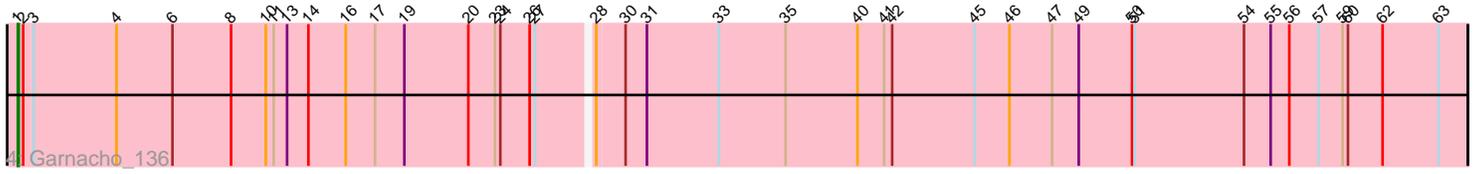
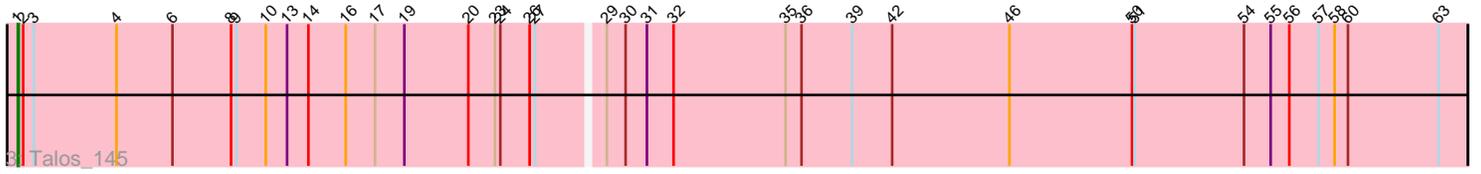
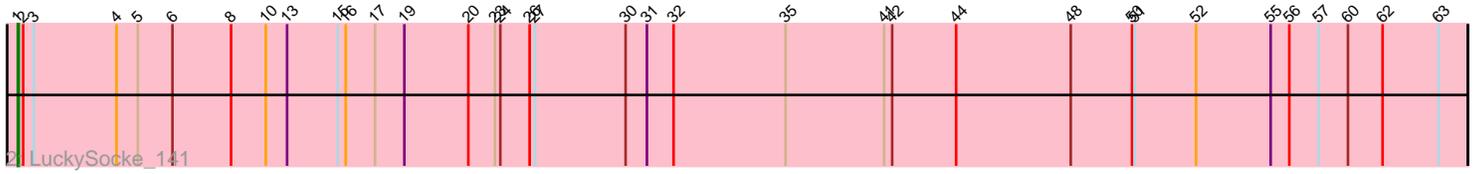
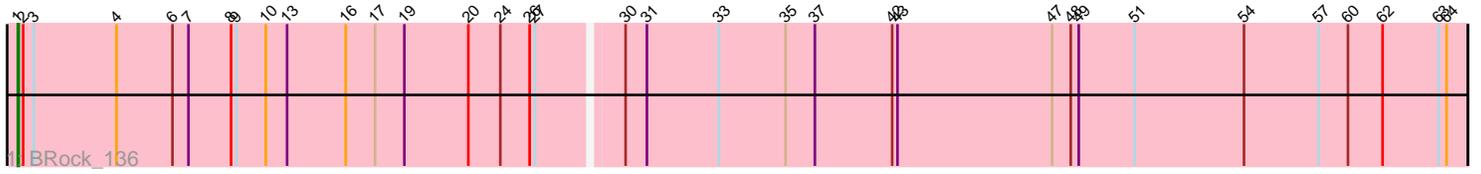


Pham 284473



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 284473 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284473 has 9 members, 3 are drafts.

Phages represented in each track:

- Track 1 : BRock_136
- Track 2 : LuckySocke_141
- Track 3 : Talos_145
- Track 4 : Garnacho_136
- Track 5 : Beleetus_142
- Track 6 : Fudan_144
- Track 7 : Park1214_149
- Track 8 : Alone3_146
- Track 9 : GiJojo_135

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

Genes that call this "Most Annotated" start:

- Alone3_146, BRock_136, Beleetus_142, Garnacho_136, LuckySocke_141, Talos_145,

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

- Fudan_144,

Genes that do not have the "Most Annotated" start:

- GiJojo_135, Park1214_149,

Summary by start number:

Start 1:

- Found in 7 of 9 (77.8%) of genes in pham
- Manual Annotations of this start: 5 of 6
- Called 85.7% of time when present
- Phage (with cluster) where this start called: Alone3_146 (BS), BRock_136 (BS), Beleetus_142 (BS), Garnacho_136 (BS), LuckySocke_141 (BS), Talos_145 (BS),

Start 2:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 22.2% of time when present
- Phage (with cluster) where this start called: GiJojo_135 (BS), Park1214_149 (BS),

Start 4:

- Found in 9 of 9 (100.0%) of genes in pham
- No Manual Annotations of this start.
- Called 11.1% of time when present
- Phage (with cluster) where this start called: Fudan_144 (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 5 times for cluster BS.
- Start number 2 was manually annotated 1 time for cluster BS.

Gene Information:

Gene: Alone3_146 Start: 78919, Stop: 80550, Start Num: 1

Candidate Starts for Alone3_146:

(Start: 1 @78919 has 5 MA's), (Start: 2 @78925 has 1 MA's), (3, 78937), (4, 79030), (5, 79054), (6, 79093), (8, 79159), (10, 79198), (13, 79222), (15, 79279), (16, 79288), (17, 79321), (19, 79354), (20, 79426), (23, 79456), (24, 79462), (26, 79495), (27, 79501), (30, 79603), (31, 79627), (32, 79657), (35, 79783), (41, 79894), (42, 79903), (44, 79975), (48, 80104), (50, 80173), (51, 80176), (52, 80245), (53, 80287), (54, 80299), (55, 80329), (56, 80350), (57, 80383), (60, 80416), (61, 80449), (62, 80455), (63, 80518), (64, 80527),

Gene: BRock_136 Start: 73464, Stop: 75080, Start Num: 1

Candidate Starts for BRock_136:

(Start: 1 @73464 has 5 MA's), (Start: 2 @73470 has 1 MA's), (3, 73482), (4, 73575), (6, 73638), (7, 73656), (8, 73704), (9, 73710), (10, 73743), (13, 73767), (16, 73833), (17, 73866), (19, 73899), (20, 73971), (24, 74007), (26, 74040), (27, 74046), (30, 74133), (31, 74157), (33, 74238), (35, 74313), (37, 74346), (42, 74433), (43, 74439), (47, 74613), (48, 74634), (49, 74643), (51, 74706), (54, 74829), (57, 74913), (60, 74946), (62, 74985), (63, 75048), (64, 75057),

Gene: Beleetus_142 Start: 76502, Stop: 78118, Start Num: 1

Candidate Starts for Beleetus_142:

(Start: 1 @76502 has 5 MA's), (Start: 2 @76508 has 1 MA's), (3, 76520), (4, 76613), (5, 76637), (6, 76676), (8, 76742), (9, 76748), (10, 76781), (13, 76805), (16, 76871), (17, 76904), (19, 76937), (20, 77009), (23, 77039), (24, 77045), (26, 77078), (27, 77084), (29, 77150), (30, 77171), (31, 77195), (32, 77225), (35, 77351), (41, 77462), (42, 77471), (44, 77543), (46, 77603), (50, 77741), (52, 77813), (53, 77855), (54, 77867), (55, 77897), (56, 77918), (57, 77951), (60, 77984), (62, 78023), (63, 78086), (64, 78095),

Gene: Fudan_144 Start: 76994, Stop: 78514, Start Num: 4

Candidate Starts for Fudan_144:

(Start: 1 @76883 has 5 MA's), (Start: 2 @76889 has 1 MA's), (3, 76901), (4, 76994), (5, 77018), (6, 77057), (8, 77123), (10, 77162), (13, 77186), (15, 77243), (16, 77252), (17, 77285), (19, 77318), (20, 77390), (23, 77420), (24, 77426), (26, 77459), (27, 77465), (30, 77567), (31, 77591), (32, 77621), (35, 77747), (41, 77858), (42, 77867), (44, 77939), (48, 78068), (50, 78137), (51, 78140), (52, 78209), (55, 78293), (56, 78314), (57, 78347), (60, 78380), (62, 78419), (63, 78482),

Gene: Garnacho_136 Start: 76507, Stop: 78120, Start Num: 1

Candidate Starts for Garnacho_136:

(Start: 1 @76507 has 5 MA's), (Start: 2 @76513 has 1 MA's), (3, 76522), (4, 76615), (6, 76678), (8, 76744), (10, 76783), (11, 76792), (13, 76807), (14, 76831), (16, 76873), (17, 76906), (19, 76939), (20, 77011), (23, 77041), (24, 77047), (26, 77080), (27, 77086), (28, 77143), (30, 77173), (31, 77197), (33, 77278), (35, 77353), (40, 77434), (41, 77464), (42, 77473), (45, 77566), (46, 77605), (47, 77653), (49, 77683), (50, 77743), (51, 77746), (54, 77869), (55, 77899), (56, 77920), (57, 77953), (59, 77980), (60, 77986), (62, 78025), (63, 78088),

Gene: GiJojo_135 Start: 78278, Stop: 79900, Start Num: 2

Candidate Starts for GiJojo_135:

(Start: 2 @78278 has 1 MA's), (3, 78287), (4, 78380), (8, 78509), (9, 78515), (11, 78557), (13, 78572), (14, 78596), (16, 78638), (17, 78671), (18, 78680), (19, 78704), (20, 78776), (24, 78812), (25, 78818), (27, 78851), (31, 78977), (32, 79007), (34, 79106), (36, 79151), (38, 79193), (39, 79208), (42, 79253), (51, 79526), (53, 79637), (54, 79649), (55, 79679), (56, 79700), (57, 79733), (58, 79751), (60, 79766), (62, 79805), (63, 79868),

Gene: LuckySocke_141 Start: 76832, Stop: 78463, Start Num: 1

Candidate Starts for LuckySocke_141:

(Start: 1 @76832 has 5 MA's), (Start: 2 @76838 has 1 MA's), (3, 76850), (4, 76943), (5, 76967), (6, 77006), (8, 77072), (10, 77111), (13, 77135), (15, 77192), (16, 77201), (17, 77234), (19, 77267), (20, 77339), (23, 77369), (24, 77375), (26, 77408), (27, 77414), (30, 77516), (31, 77540), (32, 77570), (35, 77696), (41, 77807), (42, 77816), (44, 77888), (48, 78017), (50, 78086), (51, 78089), (52, 78158), (55, 78242), (56, 78263), (57, 78296), (60, 78329), (62, 78368), (63, 78431),

Gene: Park1214_149 Start: 77842, Stop: 79449, Start Num: 2

Candidate Starts for Park1214_149:

(Start: 2 @77842 has 1 MA's), (3, 77851), (4, 77944), (6, 78007), (8, 78073), (9, 78079), (10, 78112), (11, 78121), (12, 78133), (13, 78136), (16, 78202), (17, 78235), (19, 78268), (20, 78340), (21, 78346), (22, 78367), (24, 78376), (26, 78409), (27, 78415), (29, 78481), (30, 78502), (31, 78526), (35, 78682), (36, 78700), (41, 78793), (42, 78802), (50, 79072), (51, 79075), (54, 79198), (55, 79228), (56, 79249), (57, 79282), (60, 79315), (62, 79354), (63, 79417), (65, 79435),

Gene: Talos_145 Start: 77070, Stop: 78686, Start Num: 1

Candidate Starts for Talos_145:

(Start: 1 @77070 has 5 MA's), (Start: 2 @77076 has 1 MA's), (3, 77088), (4, 77181), (6, 77244), (8, 77310), (9, 77316), (10, 77349), (13, 77373), (14, 77397), (16, 77439), (17, 77472), (19, 77505), (20, 77577), (23, 77607), (24, 77613), (26, 77646), (27, 77652), (29, 77718), (30, 77739), (31, 77763), (32, 77793), (35, 77919), (36, 77937), (39, 77994), (42, 78039), (46, 78171), (50, 78309), (51, 78312), (54, 78435), (55, 78465), (56, 78486), (57, 78519), (58, 78537), (60, 78552), (63, 78654),