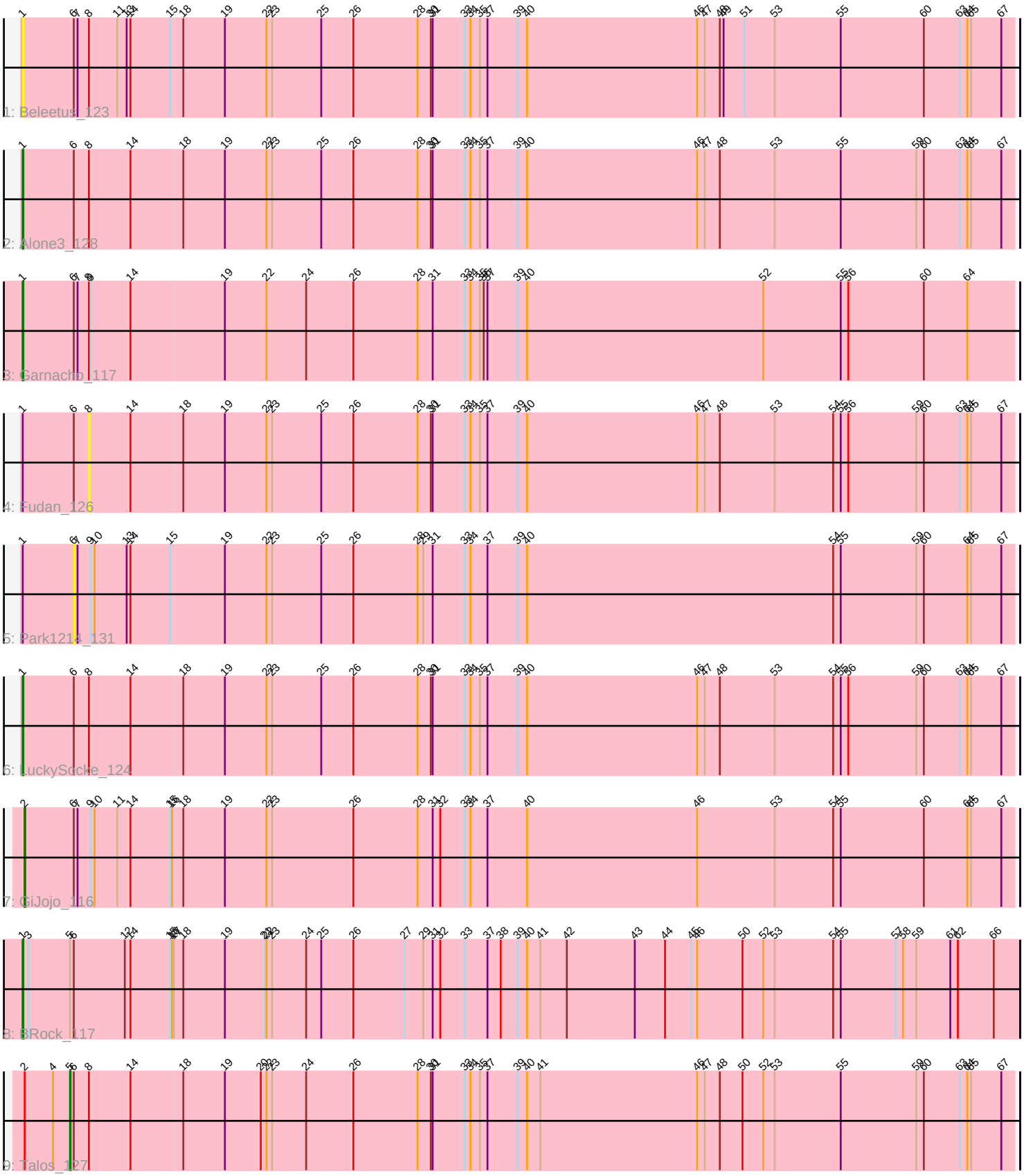
Pham 284435


1: Beleetus_123
2: Alone3_128
3: Garnacho_117
4: Fudan_126
5: Park1214_131
6: LuckySocke_124
7: GiJojo_116
8: BRock_117
9: Talos_127

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 284435 Report

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

Pham number 284435 has 9 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Beleetus_123
• Track 2 : Alone3_128
• Track 3 : Garnacho_117
• Track 4 : Fudan_126
• Track 5 : Park1214_131
• Track 6 : LuckySocke_124
• Track 7 : GiJojo_116
• Track 8 : BRock_117
• Track 9 : Talos_127

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

Genes that call this "Most Annotated" start:
• Alone3_128, BRock_117, Beleetus_123, Garnacho_117, LuckySocke_124,

Genes that have the "Most Annotated" start but do not call it:
• Fudan_126, Park1214_131,

Genes that do not have the "Most Annotated" start:
• GiJojo_116, Talos_127,

Summary by start number:

Start 1:
• Found in 7 of 9 (77.8%) of genes in pham
• Manual Annotations of this start: 4 of 6
• Called 71.4% of time when present
• Phage (with cluster) where this start called: Alone3_128 (BS), BRock_117 (BS), Beleetus_123 (BS), Garnacho_117 (BS), LuckySocke_124 (BS),

Start 2:

• Found in 2 of 9 (22.2%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 50.0% of time when present
• Phage (with cluster) where this start called: GiJojo_116 (BS),

Start 5:
• Found in 2 of 9 (22.2%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Talos_127 (BS),

Start 6:
• 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: Park1214_131 (BS),

Start 8:
• Found in 6 of 9 (66.7%) of genes in pham
• No Manual Annotations of this start.
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Fudan_126 (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 4 times for cluster BS.
•Start number 2 was manually annotated 1 time for cluster BS.
•Start number 5 was manually annotated 1 time for cluster BS.

Gene Information:

Gene: Alone3_128 Start: 69071, Stop: 70642, Start Num: 1
Candidate Starts for Alone3_128:
(Start: 1 @69071 has 4 MA's), (6, 69152), (8, 69176), (14, 69242), (18, 69323), (19, 69389), (22, 69455), (23, 69464), (25, 69542), (26, 69593), (28, 69695), (30, 69716), (31, 69719), (33, 69770), (34, 69779), (35, 69794), (37, 69806), (39, 69854), (40, 69869), (46, 70139), (47, 70151), (48, 70175), (53, 70262), (55, 70367), (59, 70487), (60, 70499), (63, 70556), (64, 70568), (65, 70574), (67, 70622),

Gene: BRock_117 Start: 63285, Stop: 64868, Start Num: 1
Candidate Starts for BRock_117:
(Start: 1 @63285 has 4 MA's), (3, 63294), (Start: 5 @63360 has 1 MA's), (6, 63366), (12, 63447), (14, 63456), (15, 63519), (16, 63522), (17, 63525), (18, 63540), (19, 63606), (21, 63669), (22, 63672), (23, 63681), (24, 63735), (25, 63759), (26, 63810), (27, 63891), (29, 63921), (31, 63936), (32, 63948), (33, 63987), (37, 64023), (38, 64044), (39, 64071), (40, 64086), (41, 64107), (42, 64149), (43, 64257), (44, 64305), (45, 64347), (46, 64356), (50, 64428), (52, 64461), (53, 64479), (54, 64572), (55, 64584), (57, 64671), (58, 64683), (59, 64704), (61, 64758), (62, 64770), (66, 64827),

Gene: Beleetus_123 Start: 66657, Stop: 68228, Start Num: 1

Candidate Starts for Beleetus_123:
(Start: 1 @66657 has 4 MA's), (6, 66738), (7, 66744), (8, 66762), (11, 66807), (13, 66822), (14, 66828), (15, 66891), (18, 66909), (19, 66975), (22, 67041), (23, 67050), (25, 67128), (26, 67179), (28, 67281), (30, 67302), (31, 67305), (33, 67356), (34, 67365), (35, 67380), (37, 67392), (39, 67440), (40, 67455), (46, 67725), (47, 67737), (48, 67761), (49, 67767), (51, 67800), (53, 67848), (55, 67953), (60, 68085), (63, 68142), (64, 68154), (65, 68160), (67, 68208),

Gene: Fudan_126 Start: 67386, Stop: 68852, Start Num: 8
Candidate Starts for Fudan_126:
(Start: 1 @67281 has 4 MA's), (6, 67362), (8, 67386), (14, 67452), (18, 67533), (19, 67599), (22, 67665), (23, 67674), (25, 67752), (26, 67803), (28, 67905), (30, 67926), (31, 67929), (33, 67980), (34, 67989), (35, 68004), (37, 68016), (39, 68064), (40, 68079), (46, 68349), (47, 68361), (48, 68385), (53, 68472), (54, 68565), (55, 68577), (56, 68589), (59, 68697), (60, 68709), (63, 68766), (64, 68778), (65, 68784), (67, 68832),

Gene: Garnacho_117 Start: 66839, Stop: 68410, Start Num: 1
Candidate Starts for Garnacho_117:
(Start: 1 @66839 has 4 MA's), (6, 66920), (7, 66926), (8, 66944), (9, 66947), (14, 67010), (19, 67157), (22, 67223), (24, 67286), (26, 67361), (28, 67463), (31, 67487), (33, 67538), (34, 67547), (35, 67562), (36, 67568), (37, 67574), (39, 67622), (40, 67637), (52, 68012), (55, 68135), (56, 68147), (60, 68267), (64, 68336),

Gene: GiJojo_116 Start: 68346, Stop: 69914, Start Num: 2
Candidate Starts for GiJojo_116:
(Start: 2 @68346 has 1 MA's), (6, 68424), (7, 68430), (9, 68451), (10, 68457), (11, 68493), (14, 68514), (15, 68577), (16, 68580), (18, 68595), (19, 68661), (22, 68727), (23, 68736), (26, 68865), (28, 68967), (31, 68991), (32, 69003), (33, 69042), (34, 69051), (37, 69078), (40, 69141), (46, 69411), (53, 69534), (54, 69627), (55, 69639), (60, 69771), (64, 69840), (65, 69846), (67, 69894),

Gene: LuckySocke_124 Start: 67230, Stop: 68801, Start Num: 1
Candidate Starts for LuckySocke_124:
(Start: 1 @67230 has 4 MA's), (6, 67311), (8, 67335), (14, 67401), (18, 67482), (19, 67548), (22, 67614), (23, 67623), (25, 67701), (26, 67752), (28, 67854), (30, 67875), (31, 67878), (33, 67929), (34, 67938), (35, 67953), (37, 67965), (39, 68013), (40, 68028), (46, 68298), (47, 68310), (48, 68334), (53, 68421), (54, 68514), (55, 68526), (56, 68538), (59, 68646), (60, 68658), (63, 68715), (64, 68727), (65, 68733), (67, 68781),

Gene: Park1214_131 Start: 68214, Stop: 69704, Start Num: 6
Candidate Starts for Park1214_131:
(Start: 1 @68133 has 4 MA's), (6, 68214), (7, 68220), (9, 68241), (10, 68247), (13, 68298), (14, 68304), (15, 68367), (19, 68451), (22, 68517), (23, 68526), (25, 68604), (26, 68655), (28, 68757), (29, 68766), (31, 68781), (33, 68832), (34, 68841), (37, 68868), (39, 68916), (40, 68931), (54, 69417), (55, 69429), (59, 69549), (60, 69561), (64, 69630), (65, 69636), (67, 69684),

Gene: Talos_127 Start: 67581, Stop: 69077, Start Num: 5
Candidate Starts for Talos_127:
(Start: 2 @67509 has 1 MA's), (4, 67554), (Start: 5 @67581 has 1 MA's), (6, 67587), (8, 67611), (14, 67677), (18, 67758), (19, 67824), (20, 67881), (22, 67890), (23, 67899), (24, 67953), (26, 68028), (28, 68130), (30, 68151), (31, 68154), (33, 68205), (34, 68214), (35, 68229), (37, 68241), (39, 68289), (40, 68304), (41, 68325), (46, 68574), (47, 68586), (48, 68610), (50, 68646), (52, 68679), (53, 68697), (55, 68802), (59, 68922), (60, 68934), (63, 68991), (64, 69003), (65, 69009), (67, 69057),