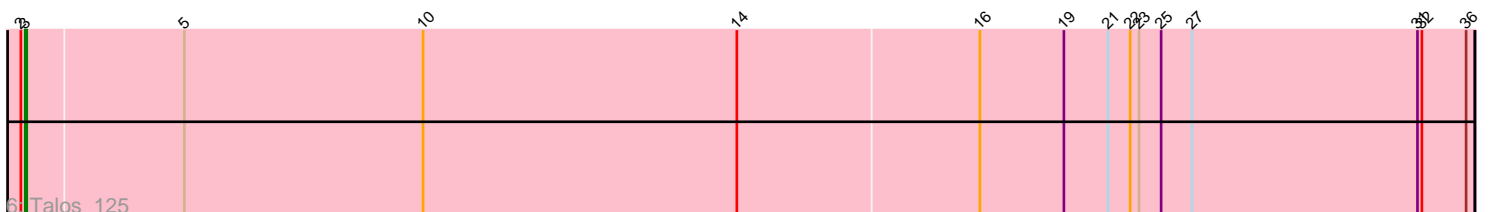
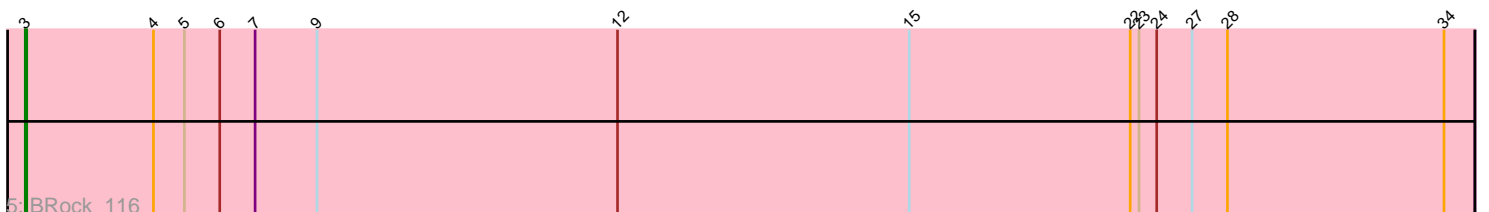
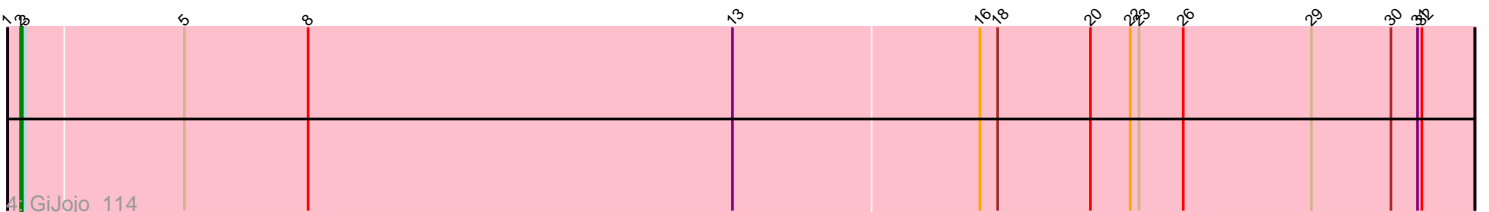
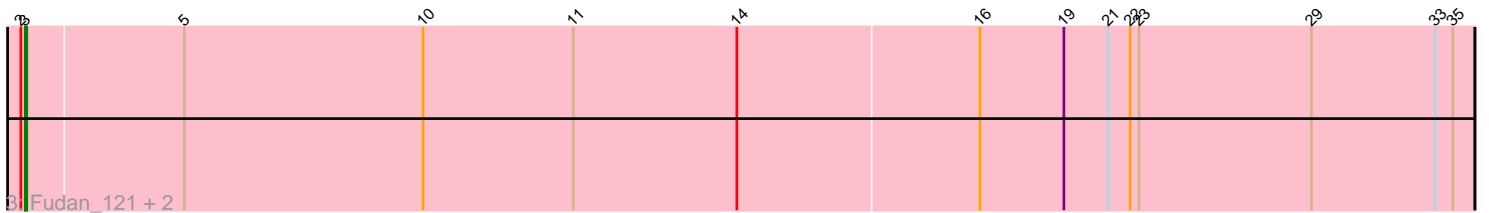
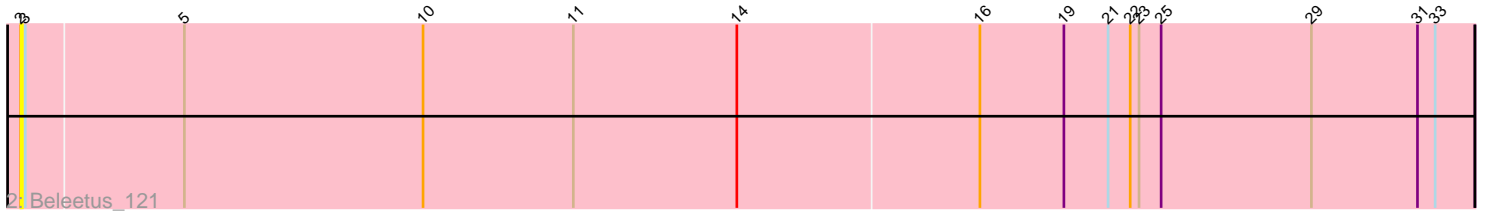
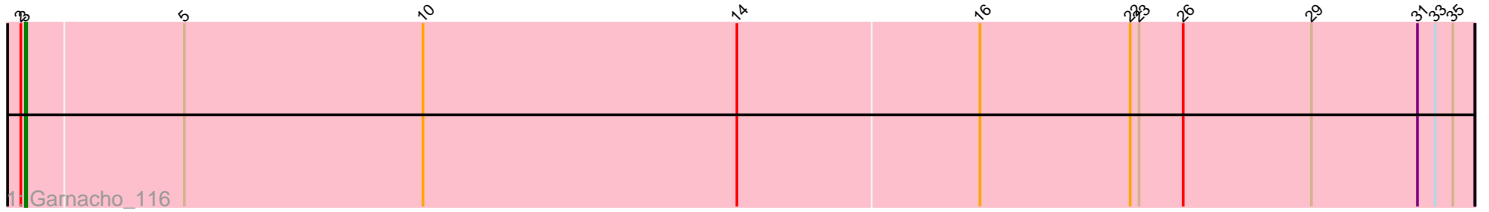


Pham 303910



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 303910 Report

This analysis was run 06/08/26 on database version 649.

Pham number 303910 has 9 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Garnacho_116
- Track 2 : Beleetus_121
- Track 3 : Fudan_121, Alone3_127, LuckySocke_123
- Track 4 : GiJojo_114
- Track 5 : BRock_116
- Track 6 : Talos_125
- Track 7 : Park1214_130

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 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alone3_127, BRock_116, Fudan_121, Garnacho_116, LuckySocke_123, Park1214_130, Talos_125,

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

- Beleetus_121, GiJojo_114,

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

-

Summary by start number:

Start 2:

- Found in 8 of 9 (88.9%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Beleetus_121 (BS), GiJojo_114 (BS),

Start 3:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 7

- Called 77.8% of time when present
- Phage (with cluster) where this start called: Alone3_127 (BS), BRock_116 (BS), Fudan_121 (BS), Garnacho_116 (BS), LuckySocke_123 (BS), Park1214_130 (BS), Talos_125 (BS),

Summary by clusters:

There is one cluster represented in this pham: BS

Info for manual annotations of cluster BS:

- Start number 2 was manually annotated 1 time for cluster BS.
- Start number 3 was manually annotated 6 times for cluster BS.

Gene Information:

Gene: Alone3_127 Start: 68097, Stop: 69074, Start Num: 3

Candidate Starts for Alone3_127:

(Start: 2 @68094 has 1 MA's), (Start: 3 @68097 has 6 MA's), (5, 68202), (10, 68364), (11, 68466), (14, 68577), (16, 68739), (19, 68796), (21, 68826), (22, 68841), (23, 68847), (29, 68964), (33, 69048), (35, 69060),

Gene: BRock_116 Start: 62305, Stop: 63288, Start Num: 3

Candidate Starts for BRock_116:

(Start: 3 @62305 has 6 MA's), (4, 62392), (5, 62413), (6, 62437), (7, 62461), (9, 62503), (12, 62707), (15, 62905), (22, 63055), (23, 63061), (24, 63073), (27, 63097), (28, 63121), (34, 63268),

Gene: Beleetus_121 Start: 65680, Stop: 66660, Start Num: 2

Candidate Starts for Beleetus_121:

(Start: 2 @65680 has 1 MA's), (Start: 3 @65683 has 6 MA's), (5, 65788), (10, 65950), (11, 66052), (14, 66163), (16, 66325), (19, 66382), (21, 66412), (22, 66427), (23, 66433), (25, 66448), (29, 66550), (31, 66622), (33, 66634),

Gene: Fudan_121 Start: 66307, Stop: 67284, Start Num: 3

Candidate Starts for Fudan_121:

(Start: 2 @66304 has 1 MA's), (Start: 3 @66307 has 6 MA's), (5, 66412), (10, 66574), (11, 66676), (14, 66787), (16, 66949), (19, 67006), (21, 67036), (22, 67051), (23, 67057), (29, 67174), (33, 67258), (35, 67270),

Gene: Garnacho_116 Start: 65865, Stop: 66842, Start Num: 3

Candidate Starts for Garnacho_116:

(Start: 2 @65862 has 1 MA's), (Start: 3 @65865 has 6 MA's), (5, 65970), (10, 66132), (14, 66345), (16, 66507), (22, 66609), (23, 66615), (26, 66645), (29, 66732), (31, 66804), (33, 66816), (35, 66828),

Gene: GiJojo_114 Start: 66952, Stop: 67932, Start Num: 2

Candidate Starts for GiJojo_114:

(1, 66943), (Start: 2 @66952 has 1 MA's), (Start: 3 @66955 has 6 MA's), (5, 67060), (8, 67144), (13, 67432), (16, 67597), (18, 67609), (20, 67672), (22, 67699), (23, 67705), (26, 67735), (29, 67822), (30, 67876), (31, 67894), (32, 67897),

Gene: LuckySocke_123 Start: 66256, Stop: 67233, Start Num: 3

Candidate Starts for LuckySocke_123:

(Start: 2 @66253 has 1 MA's), (Start: 3 @66256 has 6 MA's), (5, 66361), (10, 66523), (11, 66625), (14, 66736), (16, 66898), (19, 66955), (21, 66985), (22, 67000), (23, 67006), (29, 67123), (33, 67207), (35, 67219),

Gene: Park1214_130 Start: 67159, Stop: 68136, Start Num: 3

Candidate Starts for Park1214_130:

(Start: 2 @67156 has 1 MA's), (Start: 3 @67159 has 6 MA's), (5, 67264), (9, 67354), (10, 67426), (11, 67528), (17, 67807), (22, 67903), (23, 67909), (26, 67939), (29, 68026), (33, 68110),

Gene: Talos_125 Start: 66118, Stop: 67095, Start Num: 3

Candidate Starts for Talos_125:

(Start: 2 @66115 has 1 MA's), (Start: 3 @66118 has 6 MA's), (5, 66223), (10, 66385), (14, 66598), (16, 66760), (19, 66817), (21, 66847), (22, 66862), (23, 66868), (25, 66883), (27, 66904), (31, 67057), (32, 67060), (36, 67090),