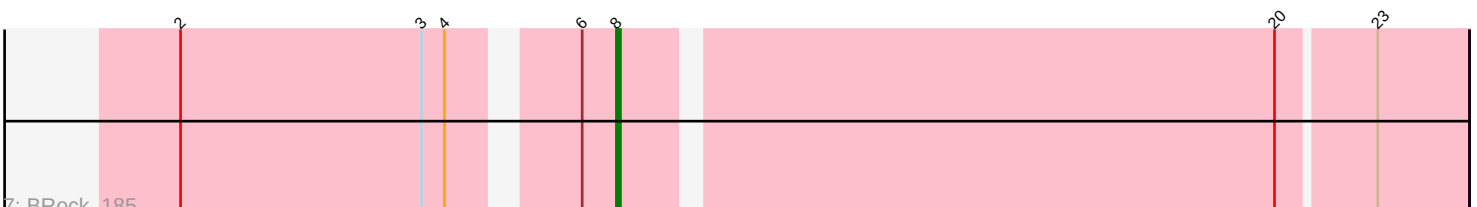
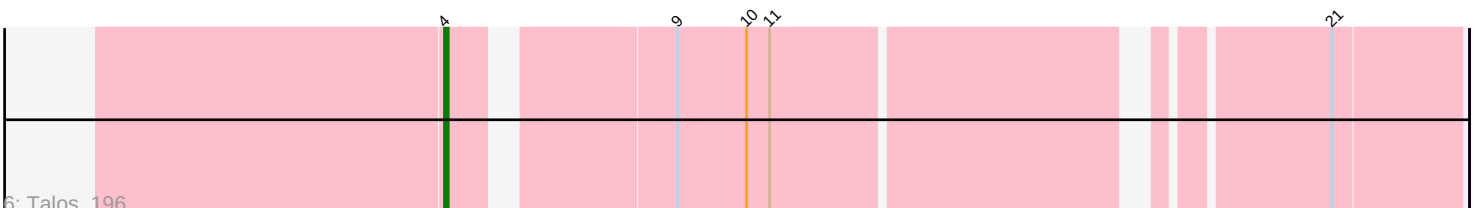
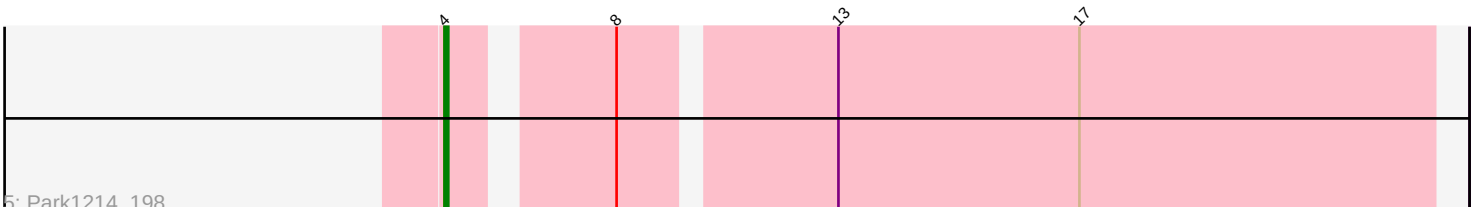
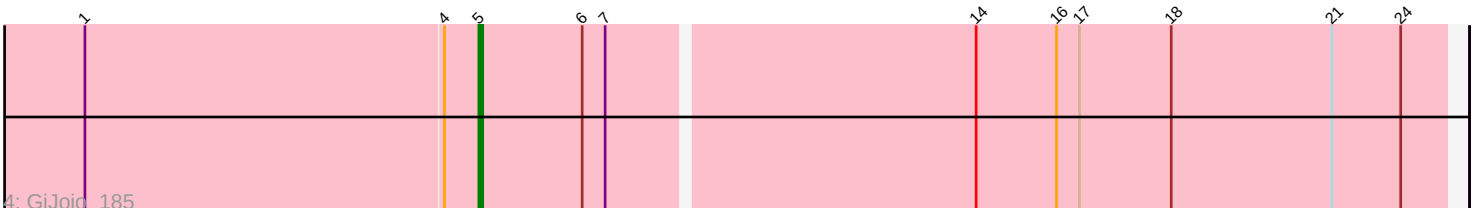
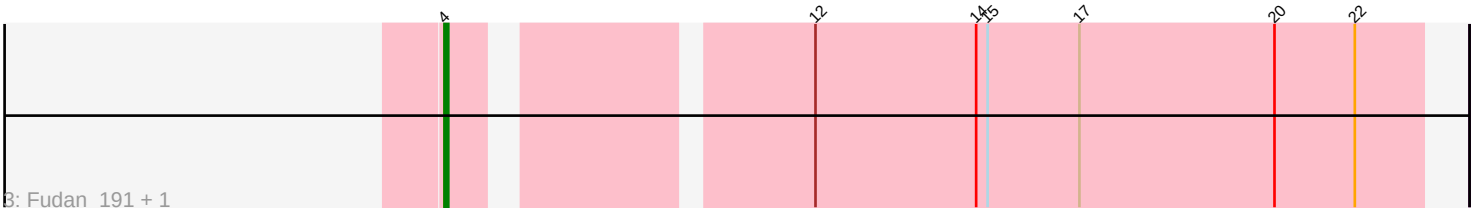
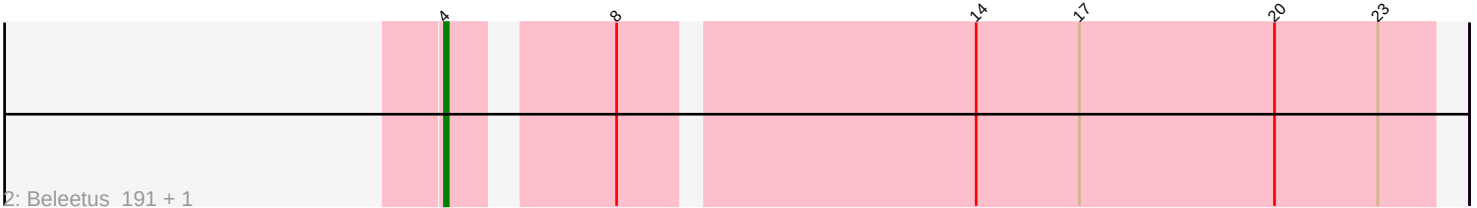
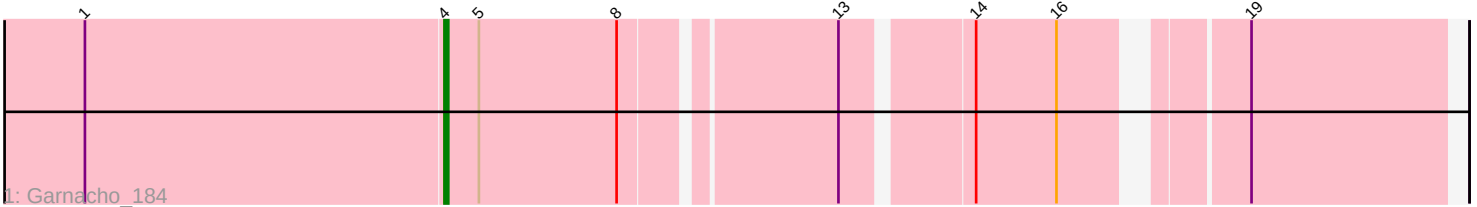


Pham 309867



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 309867 Report

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

Pham number 309867 has 9 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Garnacho_184
- Track 2 : Beleetus_191, Alone3_196
- Track 3 : Fudan_191, LuckySocke_192
- Track 4 : GiJojo_185
- Track 5 : Park1214_198
- Track 6 : Talos_196
- Track 7 : BRock_185

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 4, it was called in 6 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alone3_196, Beleetus_191, Fudan_191, Garnacho_184, LuckySocke_192, Park1214_198, Talos_196,

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

- BRock_185, GiJojo_185,

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

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Summary by start number:

Start 4:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 8
- Called 77.8% of time when present
- Phage (with cluster) where this start called: Alone3_196 (BS), Beleetus_191 (BS), Fudan_191 (BS), Garnacho_184 (BS), LuckySocke_192 (BS), Park1214_198 (BS), Talos_196 (BS),

Start 5:

- Found in 2 of 9 (22.2%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 50.0% of time when present
- Phage (with cluster) where this start called: GiJojo_185 (BS),

Start 8:

- Found in 5 of 9 (55.6%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 20.0% of time when present
- Phage (with cluster) where this start called: BRock_185 (BS),

Summary by clusters:

There is one cluster represented in this pham: BS

Info for manual annotations of cluster BS:

- Start number 4 was manually annotated 6 times for cluster BS.
- Start number 5 was manually annotated 1 time for cluster BS.
- Start number 8 was manually annotated 1 time for cluster BS.

Gene Information:

Gene: Alone3_196 Start: 102279, Stop: 102037, Start Num: 4

Candidate Starts for Alone3_196:

(Start: 4 @102279 has 6 MA's), (Start: 8 @102243 has 1 MA's), (14, 102156), (17, 102129), (20, 102078), (23, 102051),

Gene: BRock_185 Start: 97208, Stop: 96996, Start Num: 8

Candidate Starts for BRock_185:

(2, 97313), (3, 97250), (Start: 4 @97244 has 6 MA's), (6, 97217), (Start: 8 @97208 has 1 MA's), (20, 97043), (23, 97019),

Gene: Beleetus_191 Start: 100179, Stop: 99937, Start Num: 4

Candidate Starts for Beleetus_191:

(Start: 4 @100179 has 6 MA's), (Start: 8 @100143 has 1 MA's), (14, 100056), (17, 100029), (20, 99978), (23, 99951),

Gene: Fudan_191 Start: 100085, Stop: 99846, Start Num: 4

Candidate Starts for Fudan_191:

(Start: 4 @100085 has 6 MA's), (12, 100004), (14, 99962), (15, 99959), (17, 99935), (20, 99884), (22, 99863),

Gene: Garnacho_184 Start: 100014, Stop: 99778, Start Num: 4

Candidate Starts for Garnacho_184:

(1, 100107), (Start: 4 @100014 has 6 MA's), (Start: 5 @100005 has 1 MA's), (Start: 8 @99969 has 1 MA's), (13, 99918), (14, 99888), (16, 99867), (19, 99828),

Gene: GiJojo_185 Start: 101946, Stop: 101698, Start Num: 5

Candidate Starts for GiJojo_185:

(1, 102048), (Start: 4 @101955 has 6 MA's), (Start: 5 @101946 has 1 MA's), (6, 101919), (7, 101913), (14, 101820), (16, 101799), (17, 101793), (18, 101769), (21, 101727), (24, 101709),

Gene: LuckySocke_192 Start: 100026, Stop: 99787, Start Num: 4

Candidate Starts for LuckySocke_192:

(Start: 4 @100026 has 6 MA's), (12, 99945), (14, 99903), (15, 99900), (17, 99876), (20, 99825), (22, 99804),

Gene: Park1214_198 Start: 102118, Stop: 101876, Start Num: 4

Candidate Starts for Park1214_198:

(Start: 4 @102118 has 6 MA's), (Start: 8 @102082 has 1 MA's), (13, 102031), (17, 101968),

Gene: Talos_196 Start: 100809, Stop: 100573, Start Num: 4

Candidate Starts for Talos_196:

(Start: 4 @100809 has 6 MA's), (9, 100758), (10, 100740), (11, 100734), (21, 100605),