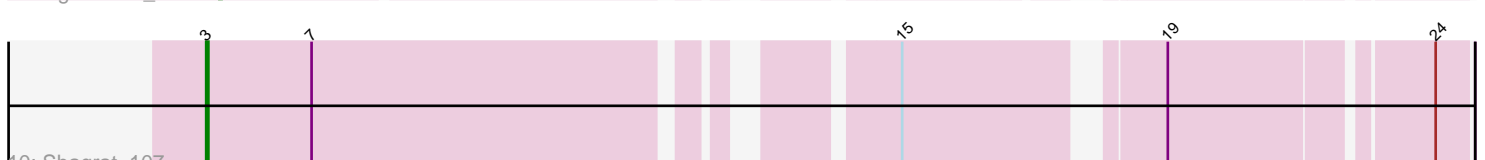
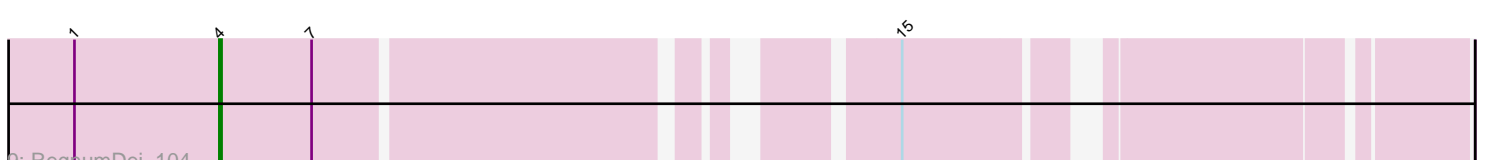
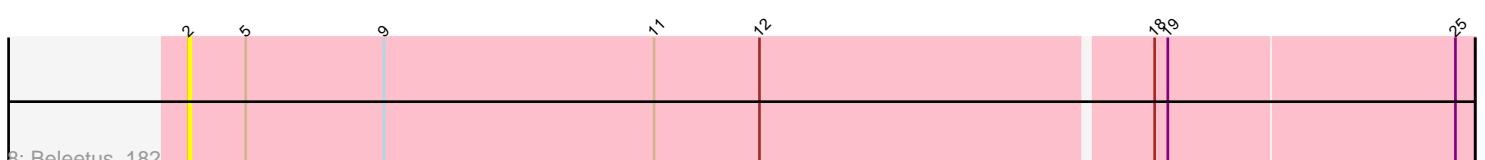
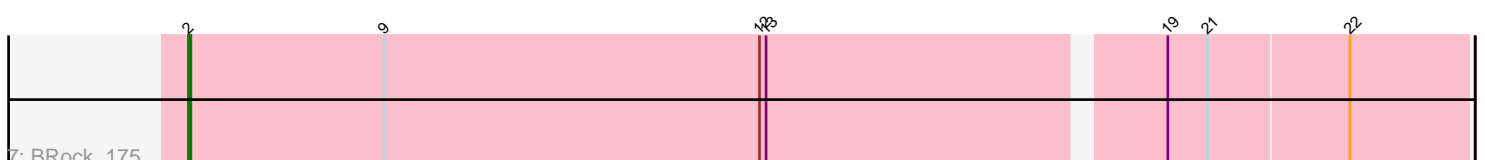
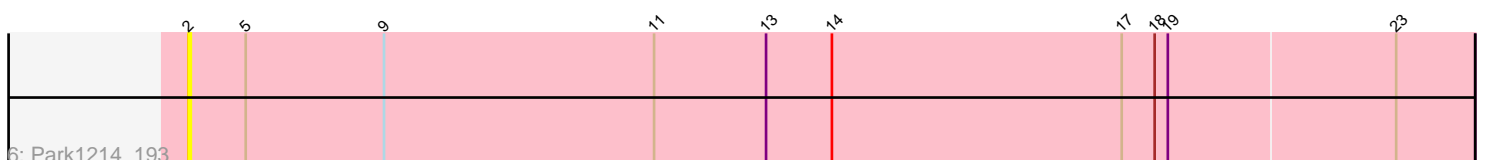
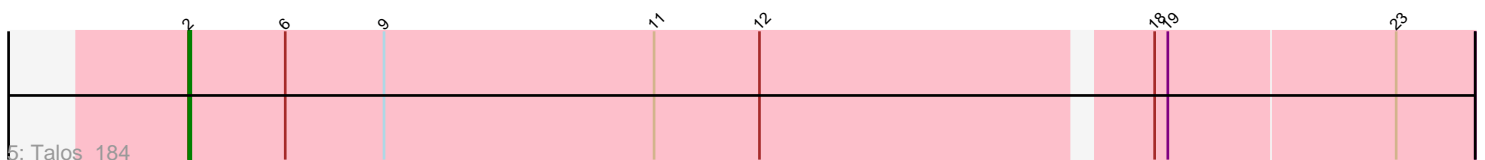
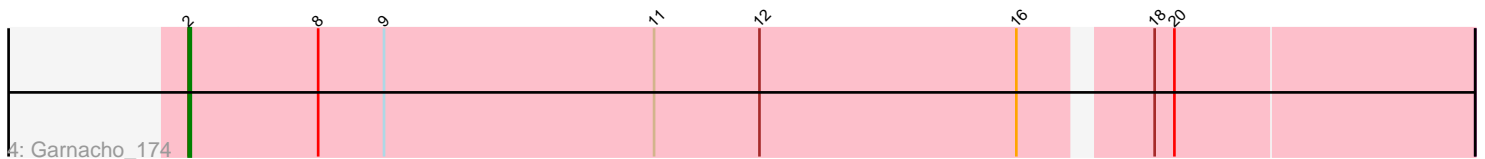
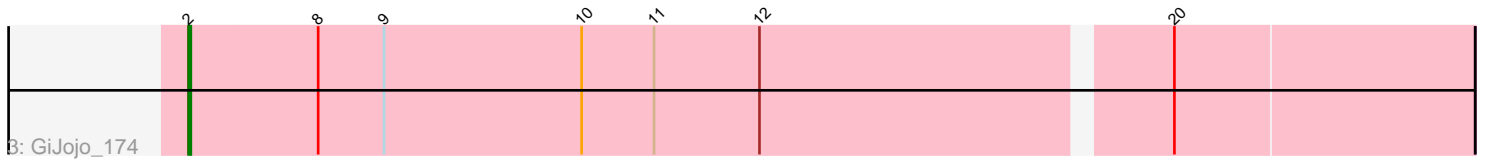
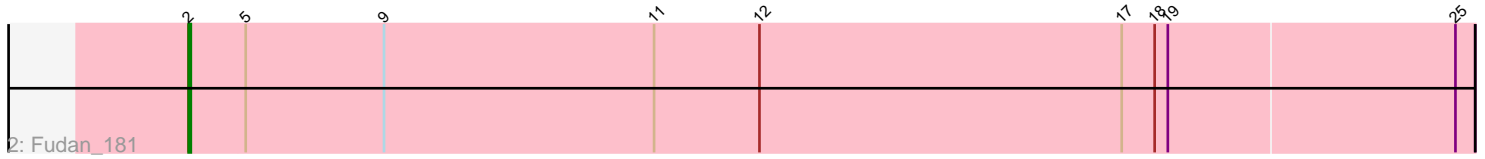
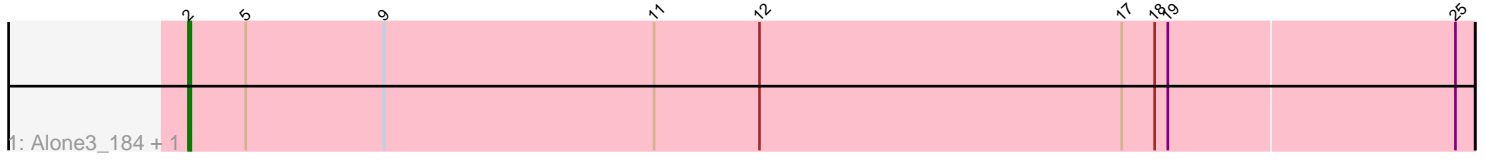


Pham 299022



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 299022 Report

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

Pham number 299022 has 11 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Alone3_184, LuckySocke_182
- Track 2 : Fudan_181
- Track 3 : GiJojo_174
- Track 4 : Garnacho_174
- Track 5 : Talos_184
- Track 6 : Park1214_193
- Track 7 : BRock_175
- Track 8 : Beleetus_182
- Track 9 : RegnumDei_104
- Track 10 : Shagrat_107

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

The start number called the most often in the published annotations is 2, it was called in 7 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alone3_184, BRock_175, Beleetus_182, Fudan_181, Garnacho_174, GiJojo_174, LuckySocke_182, Park1214_193, Talos_184,

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

-

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

- RegnumDei_104, Shagrat_107,

Summary by start number:

Start 2:

- Found in 9 of 11 (81.8%) of genes in pham
- Manual Annotations of this start: 7 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alone3_184 (BS), BRock_175 (BS), Beleetus_182 (BS), Fudan_181 (BS), Garnacho_174 (BS), GiJojo_174 (BS),

LuckySocke_182 (BS), Park1214_193 (BS), Talos_184 (BS),

Start 3:

- Found in 1 of 11 (9.1%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Shagrat_107 (CF),

Start 4:

- Found in 1 of 11 (9.1%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: RegnumDei_104 (CF),

Summary by clusters:

There are 2 clusters represented in this pham: CF, BS,

Info for manual annotations of cluster BS:

- Start number 2 was manually annotated 7 times for cluster BS.

Info for manual annotations of cluster CF:

- Start number 3 was manually annotated 1 time for cluster CF.
- Start number 4 was manually annotated 1 time for cluster CF.

Gene Information:

Gene: Alone3_184 Start: 94300, Stop: 94881, Start Num: 2

Candidate Starts for Alone3_184:

(Start: 2 @94300 has 7 MA's), (5, 94324), (9, 94387), (11, 94510), (12, 94558), (17, 94723), (18, 94738), (19, 94744), (25, 94873),

Gene: BRock_175 Start: 89700, Stop: 90266, Start Num: 2

Candidate Starts for BRock_175:

(Start: 2 @89700 has 7 MA's), (9, 89787), (12, 89958), (13, 89961), (19, 90132), (21, 90150), (22, 90213),

Gene: Beleetus_182 Start: 92967, Stop: 93542, Start Num: 2

Candidate Starts for Beleetus_182:

(Start: 2 @92967 has 7 MA's), (5, 92991), (9, 93054), (11, 93177), (12, 93225), (18, 93399), (19, 93405), (25, 93534),

Gene: Fudan_181 Start: 92865, Stop: 93446, Start Num: 2

Candidate Starts for Fudan_181:

(Start: 2 @92865 has 7 MA's), (5, 92889), (9, 92952), (11, 93075), (12, 93123), (17, 93288), (18, 93303), (19, 93309), (25, 93438),

Gene: Garnacho_174 Start: 92644, Stop: 93213, Start Num: 2

Candidate Starts for Garnacho_174:

(Start: 2 @92644 has 7 MA's), (8, 92701), (9, 92731), (11, 92854), (12, 92902), (16, 93019), (18, 93070), (20, 93079),

Gene: GiJojo_174 Start: 94010, Stop: 94579, Start Num: 2

Candidate Starts for GiJojo_174:

(Start: 2 @94010 has 7 MA's), (8, 94067), (9, 94097), (10, 94187), (11, 94220), (12, 94268), (20, 94445),

Gene: LuckySocke_182 Start: 92805, Stop: 93386, Start Num: 2

Candidate Starts for LuckySocke_182:

(Start: 2 @92805 has 7 MA's), (5, 92829), (9, 92892), (11, 93015), (12, 93063), (17, 93228), (18, 93243), (19, 93249), (25, 93378),

Gene: Park1214_193 Start: 94204, Stop: 94785, Start Num: 2

Candidate Starts for Park1214_193:

(Start: 2 @94204 has 7 MA's), (5, 94228), (9, 94291), (11, 94414), (13, 94465), (14, 94495), (17, 94627), (18, 94642), (19, 94648), (23, 94750),

Gene: RegnumDei_104 Start: 57026, Stop: 57514, Start Num: 4

Candidate Starts for RegnumDei_104:

(1, 56960), (Start: 4 @57026 has 1 MA's), (7, 57068), (15, 57293),

Gene: Shagrat_107 Start: 56053, Stop: 56559, Start Num: 3

Candidate Starts for Shagrat_107:

(Start: 3 @56053 has 1 MA's), (7, 56101), (15, 56332), (19, 56434), (24, 56545),

Gene: Talos_184 Start: 92834, Stop: 93403, Start Num: 2

Candidate Starts for Talos_184:

(Start: 2 @92834 has 7 MA's), (6, 92876), (9, 92921), (11, 93044), (12, 93092), (18, 93260), (19, 93266), (23, 93368),