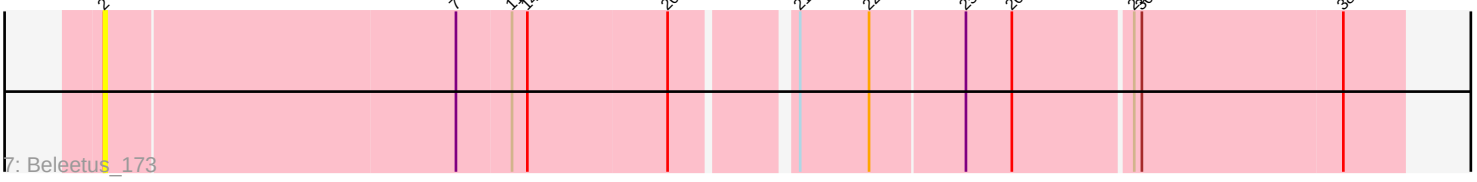
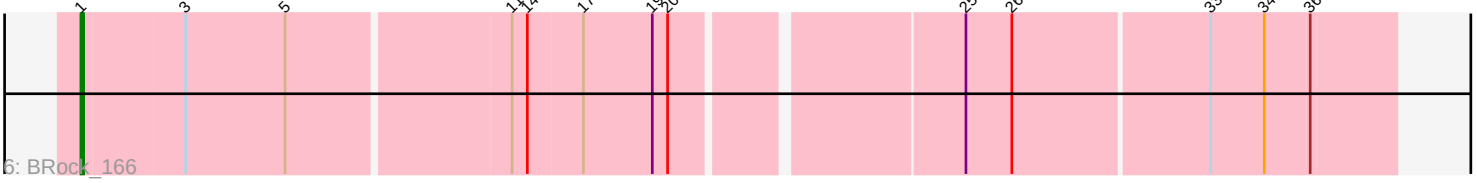
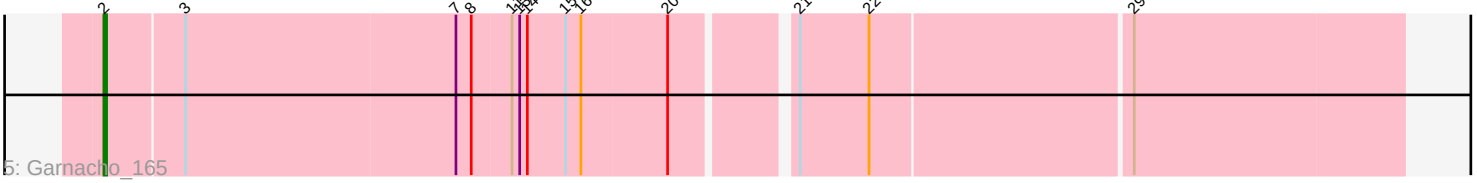
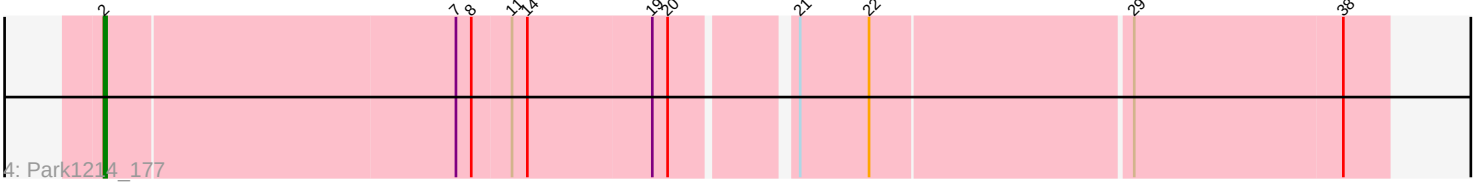
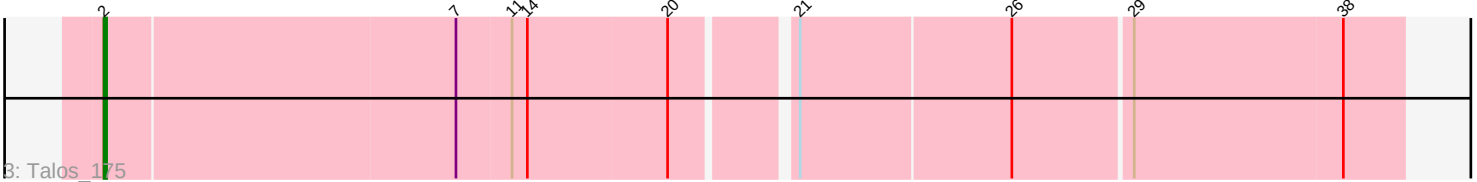
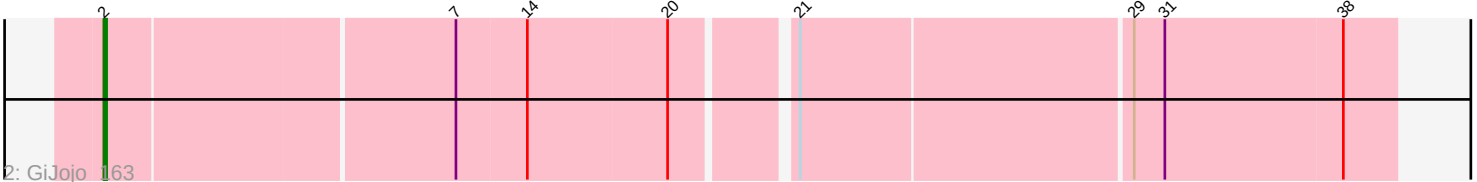
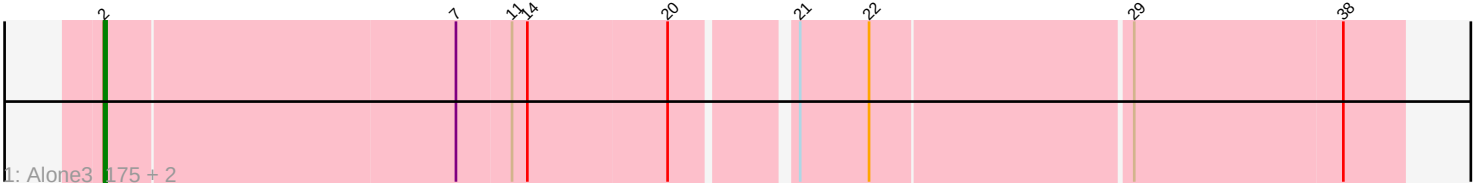


Pham 331486



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 331486 Report

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

Pham number 331486 has 10 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Alone3_175, Fudan_172, LuckySocke_173
- Track 2 : GiJojo_163
- Track 3 : Talos_175
- Track 4 : Park1214_177
- Track 5 : Garnacho_165
- Track 6 : BRock_166
- Track 7 : Beleetus_173
- Track 8 : TJE1_64

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 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alone3_175, Beleetus_173, Fudan_172, Garnacho_165, GiJojo_163, LuckySocke_173, Park1214_177, Talos_175,

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

-

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

- BRock_166, TJE1_64,

Summary by start number:

Start 1:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BRock_166 (BS),

Start 2:

- Found in 8 of 10 (80.0%) of genes in pham

- Manual Annotations of this start: 7 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alone3_175 (BS), Beleetus_173 (BS), Fudan_172 (BS), Garnacho_165 (BS), GiJojo_163 (BS), LuckySocke_173 (BS), Park1214_177 (BS), Talos_175 (BS),

Start 4:

- Found in 1 of 10 (10.0%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: TJE1_64 (singleton),

Summary by clusters:

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

Info for manual annotations of cluster BS:

- Start number 1 was manually annotated 1 time for cluster BS.
- Start number 2 was manually annotated 7 times for cluster BS.

Gene Information:

Gene: Alone3_175 Start: 90935, Stop: 91423, Start Num: 2

Candidate Starts for Alone3_175:

(Start: 2 @90935 has 7 MA's), (7, 91070), (11, 91091), (14, 91097), (20, 91151), (21, 91193), (22, 91220), (29, 91319), (38, 91400),

Gene: BRock_166 Start: 86321, Stop: 86812, Start Num: 1

Candidate Starts for BRock_166:

(Start: 1 @86321 has 1 MA's), (3, 86360), (5, 86399), (11, 86483), (14, 86489), (17, 86510), (19, 86537), (20, 86543), (25, 86648), (26, 86666), (33, 86741), (34, 86762), (36, 86780),

Gene: Beleetus_173 Start: 89599, Stop: 90087, Start Num: 2

Candidate Starts for Beleetus_173:

(Start: 2 @89599 has 7 MA's), (7, 89734), (11, 89755), (14, 89761), (20, 89815), (21, 89857), (22, 89884), (25, 89920), (26, 89938), (29, 89983), (30, 89986), (38, 90064),

Gene: Fudan_172 Start: 89491, Stop: 89979, Start Num: 2

Candidate Starts for Fudan_172:

(Start: 2 @89491 has 7 MA's), (7, 89626), (11, 89647), (14, 89653), (20, 89707), (21, 89749), (22, 89776), (29, 89875), (38, 89956),

Gene: Garnacho_165 Start: 89272, Stop: 89760, Start Num: 2

Candidate Starts for Garnacho_165:

(Start: 2 @89272 has 7 MA's), (3, 89302), (7, 89407), (8, 89413), (11, 89428), (13, 89431), (14, 89434), (15, 89449), (16, 89455), (20, 89488), (21, 89530), (22, 89557), (29, 89656),

Gene: GiJojo_163 Start: 90051, Stop: 90533, Start Num: 2

Candidate Starts for GiJojo_163:

(Start: 2 @90051 has 7 MA's), (7, 90183), (14, 90210), (20, 90264), (21, 90306), (29, 90432), (31, 90444), (38, 90513),

Gene: LuckySocke_173 Start: 89440, Stop: 89928, Start Num: 2

Candidate Starts for LuckySocke_173:

(Start: 2 @89440 has 7 MA's), (7, 89575), (11, 89596), (14, 89602), (20, 89656), (21, 89698), (22, 89725), (29, 89824), (38, 89905),

Gene: Park1214_177 Start: 90816, Stop: 91298, Start Num: 2

Candidate Starts for Park1214_177:

(Start: 2 @90816 has 7 MA's), (7, 90951), (8, 90957), (11, 90972), (14, 90978), (19, 91026), (20, 91032), (21, 91074), (22, 91101), (29, 91200), (38, 91281),

Gene: TJE1_64 Start: 47831, Stop: 48382, Start Num: 4

Candidate Starts for TJE1_64:

(4, 47831), (6, 47897), (9, 47936), (10, 47942), (12, 47945), (18, 47984), (19, 47999), (20, 48005), (23, 48101), (24, 48116), (27, 48155), (28, 48173), (32, 48203), (35, 48254), (37, 48269), (39, 48272), (40, 48290),

Gene: Talos_175 Start: 89446, Stop: 89934, Start Num: 2

Candidate Starts for Talos_175:

(Start: 2 @89446 has 7 MA's), (7, 89581), (11, 89602), (14, 89608), (20, 89662), (21, 89704), (26, 89785), (29, 89830), (38, 89911),