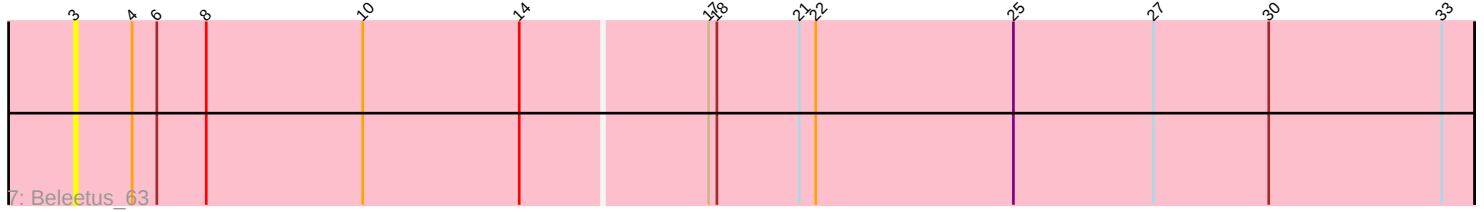
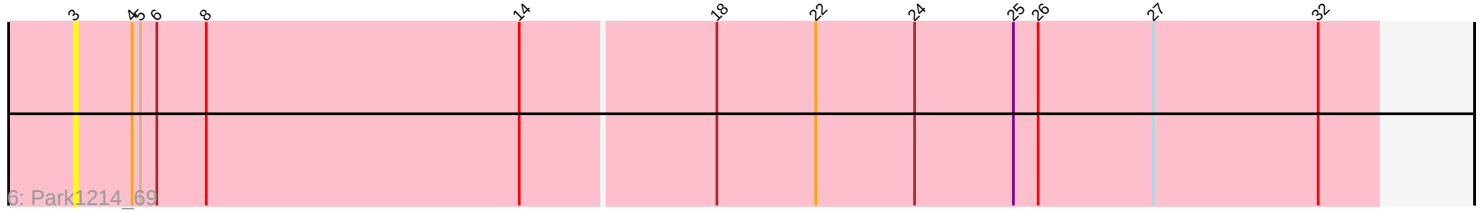
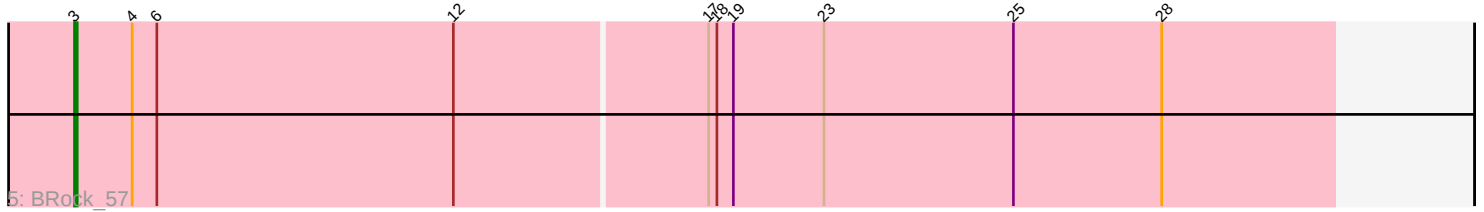
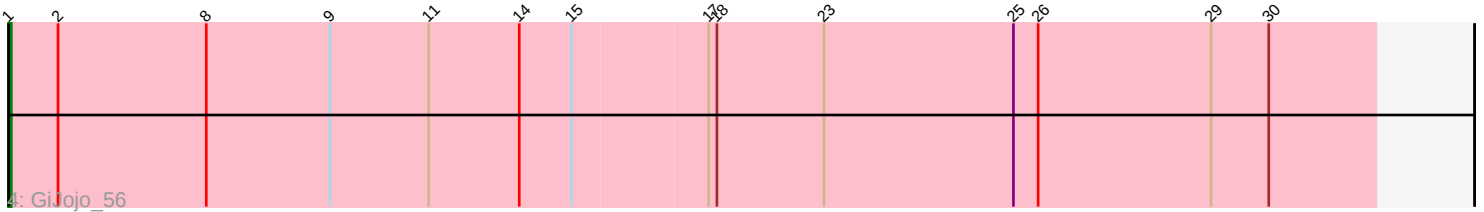
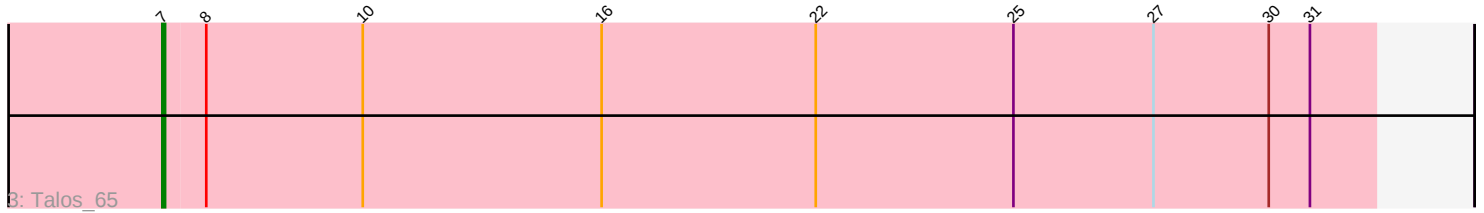
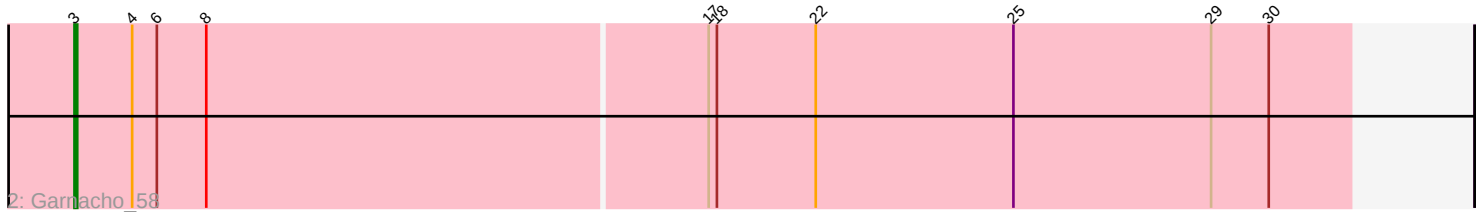
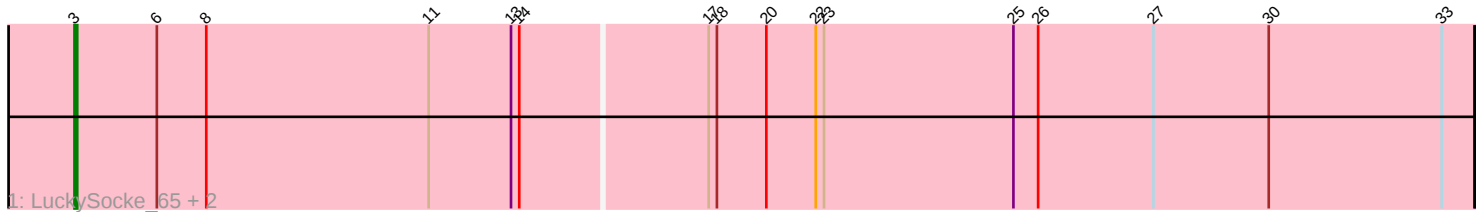


Pham 291781



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 291781 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291781 has 9 members, 3 are drafts.

Phages represented in each track:

- Track 1 : LuckySocke_65, Alone3_66, Fudan_67
- Track 2 : Garnacho_58
- Track 3 : Talos_65
- Track 4 : GiJojo_56
- Track 5 : BRock_57
- Track 6 : Park1214_69
- Track 7 : Beleetus_63

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

Genes that call this "Most Annotated" start:

- Alone3_66, BRock_57, Beleetus_63, Fudan_67, Garnacho_58, LuckySocke_65, Park1214_69,

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

-

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

- GiJojo_56, Talos_65,

Summary by start number:

Start 1:

- Found in 1 of 9 (11.1%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GiJojo_56 (BS),

Start 3:

- Found in 7 of 9 (77.8%) of genes in pham
- Manual Annotations of this start: 4 of 6

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alone3_66 (BS), BRock_57 (BS), Beleetus_63 (BS), Fudan_67 (BS), Garnacho_58 (BS), LuckySocke_65 (BS), Park1214_69 (BS),

Start 7:

- Found in 1 of 9 (11.1%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Talos_65 (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 1 time for cluster BS.
- Start number 3 was manually annotated 4 times for cluster BS.
- Start number 7 was manually annotated 1 time for cluster BS.

Gene Information:

Gene: Alone3_66 Start: 23782, Stop: 24288, Start Num: 3

Candidate Starts for Alone3_66:

(Start: 3 @23782 has 4 MA's), (6, 23812), (8, 23830), (11, 23911), (13, 23941), (14, 23944), (17, 24010), (18, 24013), (20, 24031), (22, 24049), (23, 24052), (25, 24121), (26, 24130), (27, 24172), (30, 24214), (33, 24277),

Gene: BRock_57 Start: 20332, Stop: 20787, Start Num: 3

Candidate Starts for BRock_57:

(Start: 3 @20332 has 4 MA's), (4, 20353), (6, 20362), (12, 20470), (17, 20560), (18, 20563), (19, 20569), (23, 20602), (25, 20671), (28, 20725),

Gene: Beleetus_63 Start: 22462, Stop: 22968, Start Num: 3

Candidate Starts for Beleetus_63:

(Start: 3 @22462 has 4 MA's), (4, 22483), (6, 22492), (8, 22510), (10, 22567), (14, 22624), (17, 22690), (18, 22693), (21, 22723), (22, 22729), (25, 22801), (27, 22852), (30, 22894), (33, 22957),

Gene: Fudan_67 Start: 23143, Stop: 23649, Start Num: 3

Candidate Starts for Fudan_67:

(Start: 3 @23143 has 4 MA's), (6, 23173), (8, 23191), (11, 23272), (13, 23302), (14, 23305), (17, 23371), (18, 23374), (20, 23392), (22, 23410), (23, 23413), (25, 23482), (26, 23491), (27, 23533), (30, 23575), (33, 23638),

Gene: Garnacho_58 Start: 22022, Stop: 22483, Start Num: 3

Candidate Starts for Garnacho_58:

(Start: 3 @22022 has 4 MA's), (4, 22043), (6, 22052), (8, 22070), (17, 22250), (18, 22253), (22, 22289), (25, 22361), (29, 22433), (30, 22454),

Gene: GiJojo_56 Start: 22495, Stop: 22989, Start Num: 1

Candidate Starts for GiJojo_56:

(Start: 1 @22495 has 1 MA's), (2, 22513), (8, 22567), (9, 22612), (11, 22648), (14, 22681), (15, 22699), (17, 22747), (18, 22750), (23, 22789), (25, 22858), (26, 22867), (29, 22930), (30, 22951),

Gene: LuckySocle_65 Start: 23092, Stop: 23598, Start Num: 3

Candidate Starts for LuckySocle_65:

(Start: 3 @23092 has 4 MA's), (6, 23122), (8, 23140), (11, 23221), (13, 23251), (14, 23254), (17, 23320), (18, 23323), (20, 23341), (22, 23359), (23, 23362), (25, 23431), (26, 23440), (27, 23482), (30, 23524), (33, 23587),

Gene: Park1214_69 Start: 23564, Stop: 24034, Start Num: 3

Candidate Starts for Park1214_69:

(Start: 3 @23564 has 4 MA's), (4, 23585), (5, 23588), (6, 23594), (8, 23612), (14, 23726), (18, 23795), (22, 23831), (24, 23867), (25, 23903), (26, 23912), (27, 23954), (32, 24014),

Gene: Talos_65 Start: 22927, Stop: 23367, Start Num: 7

Candidate Starts for Talos_65:

(Start: 7 @22927 has 1 MA's), (8, 22942), (10, 22999), (16, 23086), (22, 23164), (25, 23236), (27, 23287), (30, 23329), (31, 23344),