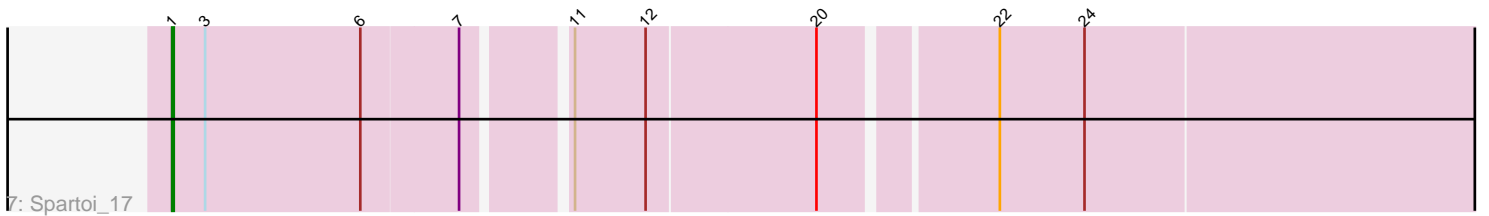
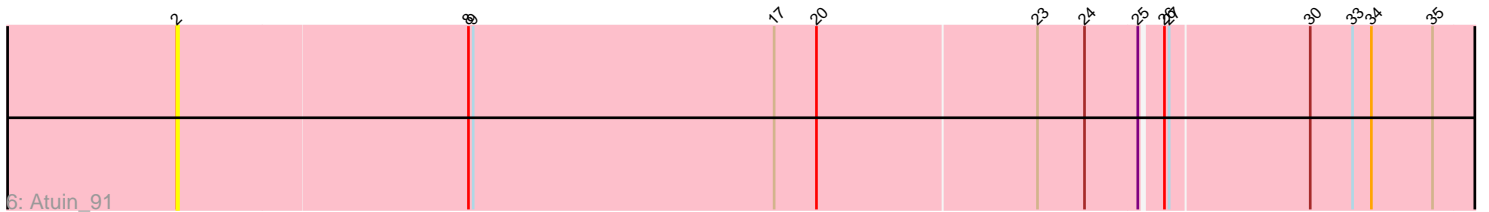
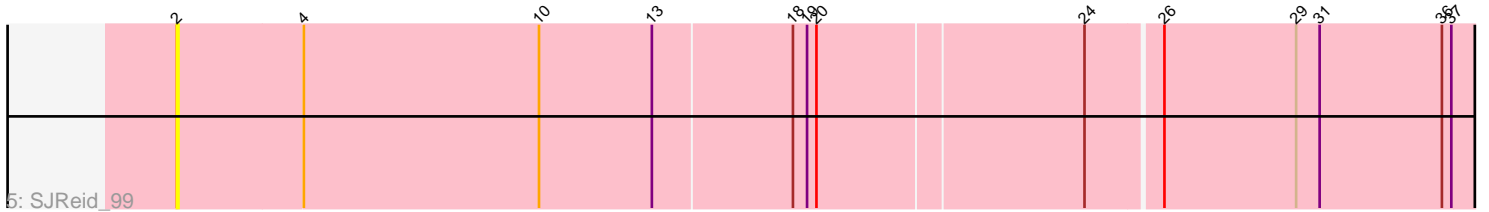
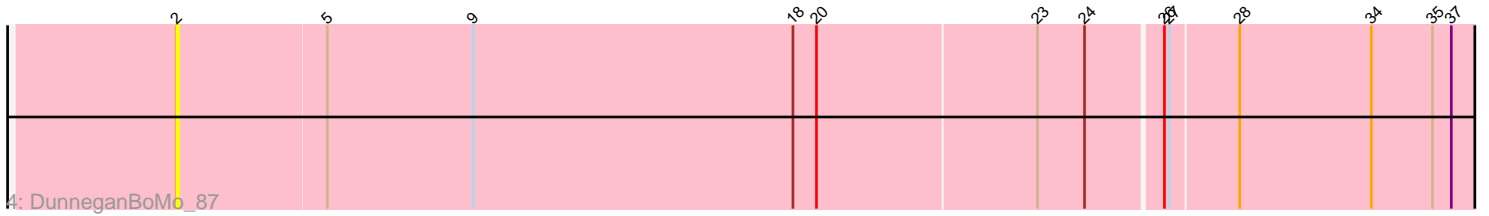
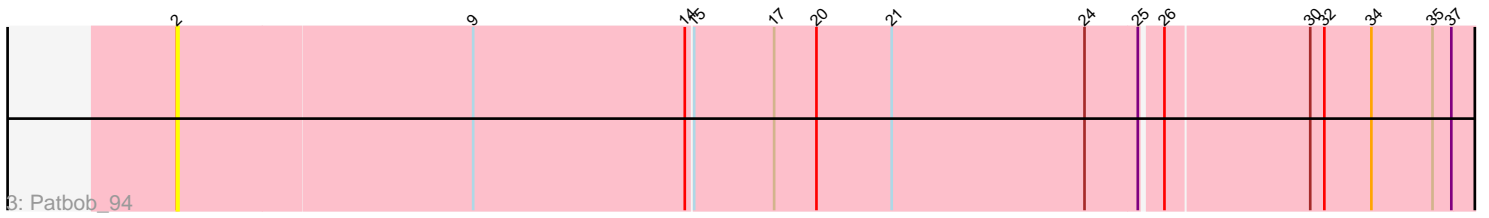
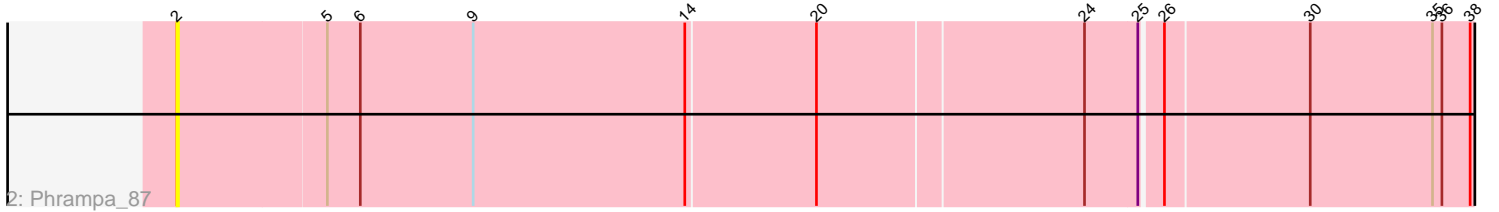
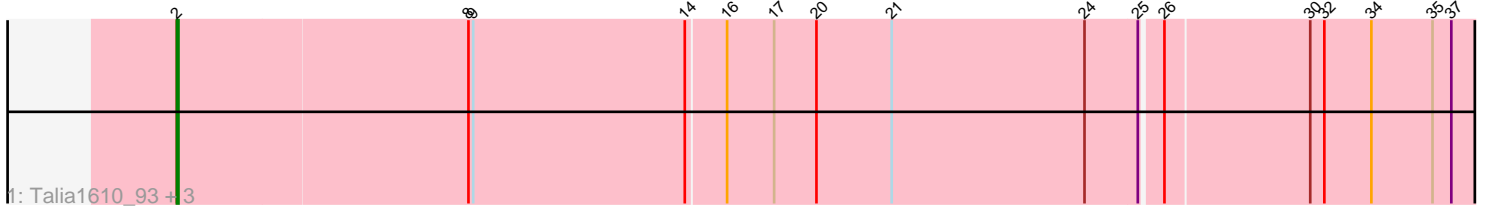


Zoomed Pham 193075



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 193075 Report

This analysis was run 11/02/24 on database version 579.

Pham number 193075 has 10 members, 7 are drafts.

Phages represented in each track:

- Track 1 : Talia1610_93, Bloom_97, Racecar_94, Mimi_99
- Track 2 : Phrampa_87
- Track 3 : Patbob_94
- Track 4 : DunneganBoMo_87
- Track 5 : SJReid_99
- Track 6 : Atuin_91
- Track 7 : Spartoi_17

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 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Atuin_91, Bloom_97, DunneganBoMo_87, Mimi_99, Patbob_94, Phrampa_87, Racecar_94, SJReid_99, Talia1610_93,

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

-

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

- Spartoi_17,

Summary by start number:

Start 1:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Spartoi_17 (singleton),

Start 2:

- Found in 9 of 10 (90.0%) of genes in pham
- Manual Annotations of this start: 2 of 3

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Atuin_91 (FC), Bloom_97 (FC), DunneganBoMo_87 (FC), Mimi_99 (FC), Patbob_94 (FC), Phrampa_87 (FC), Racecar_94 (FC), SJReid_99 (FC), Talia1610_93 (FC),

Summary by clusters:

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

Info for manual annotations of cluster FC:

- Start number 2 was manually annotated 2 times for cluster FC.

Gene Information:

Gene: Atuin_91 Start: 61731, Stop: 62849, Start Num: 2

Candidate Starts for Atuin_91:

(Start: 2 @61731 has 2 MA's), (8, 61914), (9, 61917), (17, 62109), (20, 62136), (23, 62274), (24, 62304), (25, 62337), (26, 62349), (27, 62352), (30, 62439), (33, 62466), (34, 62478), (35, 62517), (40, 62595), (45, 62736), (48, 62826),

Gene: Bloom_97 Start: 62603, Stop: 63721, Start Num: 2

Candidate Starts for Bloom_97:

(Start: 2 @62603 has 2 MA's), (8, 62786), (9, 62789), (14, 62924), (16, 62948), (17, 62978), (20, 63005), (21, 63053), (24, 63176), (25, 63209), (26, 63221), (30, 63311), (32, 63320), (34, 63350), (35, 63389), (37, 63401), (41, 63488), (42, 63509), (48, 63698),

Gene: DunneganBoMo_87 Start: 58597, Stop: 59715, Start Num: 2

Candidate Starts for DunneganBoMo_87:

(Start: 2 @58597 has 2 MA's), (5, 58690), (9, 58783), (18, 58987), (20, 59002), (23, 59140), (24, 59170), (26, 59215), (27, 59218), (28, 59260), (34, 59344), (35, 59383), (37, 59395), (48, 59692),

Gene: Mimi_99 Start: 61950, Stop: 63068, Start Num: 2

Candidate Starts for Mimi_99:

(Start: 2 @61950 has 2 MA's), (8, 62133), (9, 62136), (14, 62271), (16, 62295), (17, 62325), (20, 62352), (21, 62400), (24, 62523), (25, 62556), (26, 62568), (30, 62658), (32, 62667), (34, 62697), (35, 62736), (37, 62748), (41, 62835), (42, 62856), (48, 63045),

Gene: Patbob_94 Start: 62822, Stop: 63940, Start Num: 2

Candidate Starts for Patbob_94:

(Start: 2 @62822 has 2 MA's), (9, 63008), (14, 63143), (15, 63146), (17, 63197), (20, 63224), (21, 63272), (24, 63395), (25, 63428), (26, 63440), (30, 63530), (32, 63539), (34, 63569), (35, 63608), (37, 63620), (41, 63707), (42, 63728), (48, 63917),

Gene: Phrampa_87 Start: 60127, Stop: 61239, Start Num: 2

Candidate Starts for Phrampa_87:

(Start: 2 @60127 has 2 MA's), (5, 60220), (6, 60241), (9, 60313), (14, 60448), (20, 60529), (24, 60694), (25, 60727), (26, 60739), (30, 60829), (35, 60907), (36, 60913), (38, 60931), (39, 60952), (42, 61027), (44, 61063), (48, 61216),

Gene: Racecar_94 Start: 62603, Stop: 63721, Start Num: 2

Candidate Starts for Racecar_94:

(Start: 2 @62603 has 2 MA's), (8, 62786), (9, 62789), (14, 62924), (16, 62948), (17, 62978), (20, 63005), (21, 63053), (24, 63176), (25, 63209), (26, 63221), (30, 63311), (32, 63320), (34, 63350), (35, 63389), (37, 63401), (41, 63488), (42, 63509), (48, 63698),

Gene: SJReid_99 Start: 62409, Stop: 63521, Start Num: 2

Candidate Starts for SJReid_99:

(Start: 2 @62409 has 2 MA's), (4, 62487), (10, 62637), (13, 62709), (18, 62796), (19, 62805), (20, 62811), (24, 62976), (26, 63021), (29, 63105), (31, 63120), (36, 63198), (37, 63204), (42, 63309), (46, 63432), (47, 63453), (48, 63498),

Gene: Spartoi_17 Start: 13760, Stop: 14860, Start Num: 1

Candidate Starts for Spartoi_17:

(Start: 1 @13760 has 1 MA's), (3, 13781), (6, 13880), (7, 13940), (11, 13997), (12, 14042), (20, 14147), (22, 14249), (24, 14303), (43, 14660), (47, 14789),

Gene: Talia1610_93 Start: 61968, Stop: 63086, Start Num: 2

Candidate Starts for Talia1610_93:

(Start: 2 @61968 has 2 MA's), (8, 62151), (9, 62154), (14, 62289), (16, 62313), (17, 62343), (20, 62370), (21, 62418), (24, 62541), (25, 62574), (26, 62586), (30, 62676), (32, 62685), (34, 62715), (35, 62754), (37, 62766), (41, 62853), (42, 62874), (48, 63063),