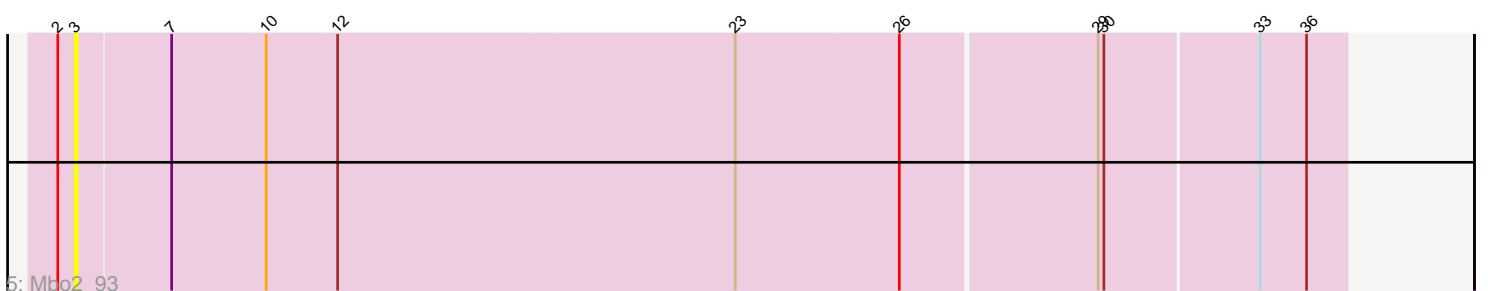
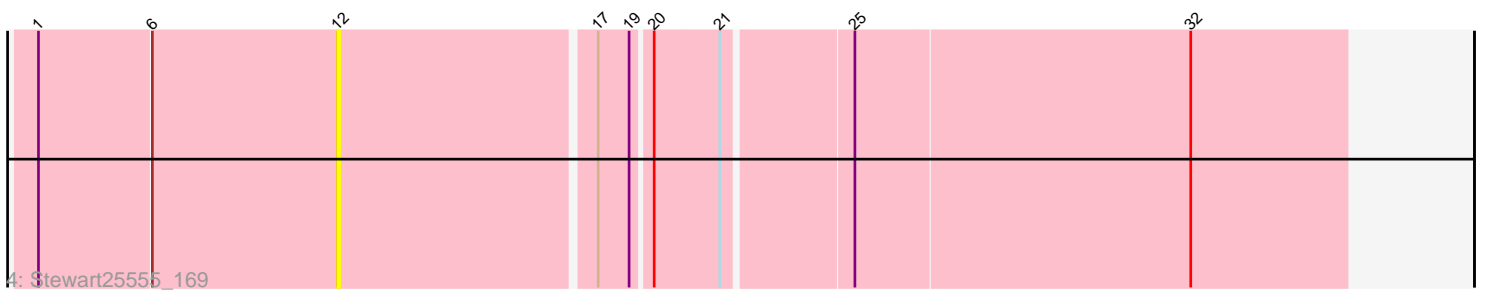
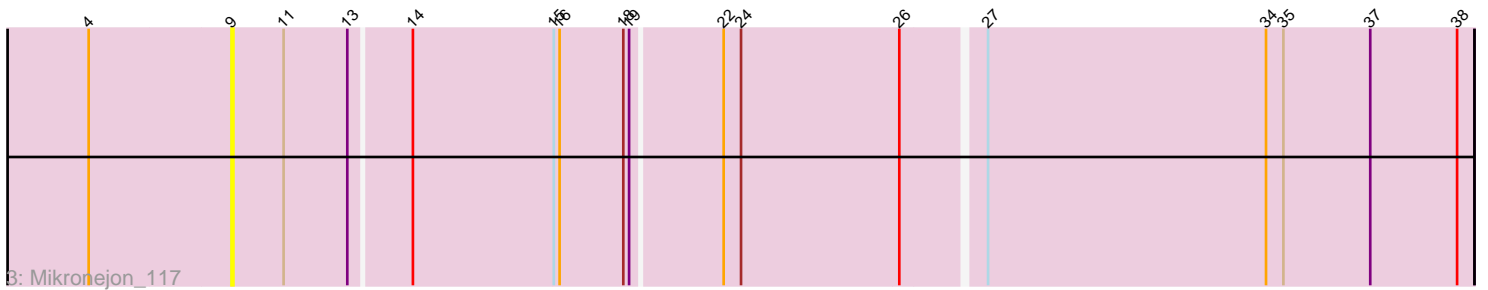
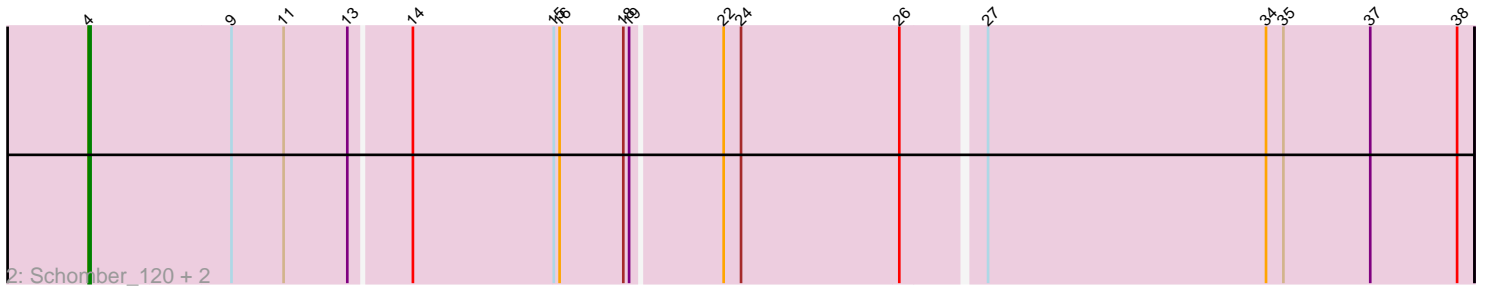
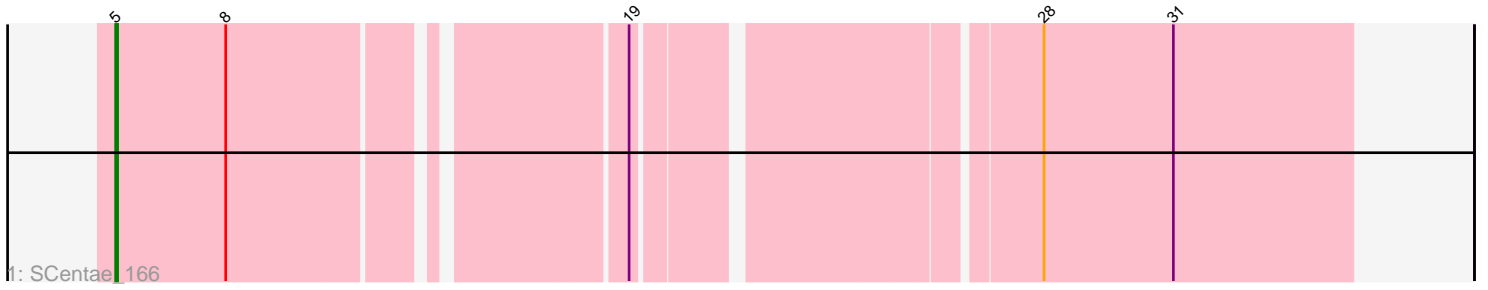


Pham 297314



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 297314 Report

This analysis was run 04/25/26 on database version 644.

Pham number 297314 has 7 members, 3 are drafts.

Phages represented in each track:

- Track 1 : SCentae_166
- Track 2 : Schomber_120, Chidiebere_122, Kabocha_123
- Track 3 : Mikronejon_117
- Track 4 : Stewart25555_169
- Track 5 : Mbo2_93

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

Genes that call this "Most Annotated" start:

- Chidiebere_122, Kabocha_123, Schomber_120,

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

- Mikronejon_117,

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

- Mbo2_93, SCentae_166, Stewart25555_169,

Summary by start number:

Start 3:

- Found in 1 of 7 (14.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Mbo2_93 (singleton),

Start 4:

- Found in 4 of 7 (57.1%) of genes in pham
- Manual Annotations of this start: 3 of 4
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Chidiebere_122 (DQ), Kabocha_123 (DQ), Schomber_120 (DQ),

Start 5:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: SCentae_166 (DO),

Start 9:

- Found in 4 of 7 (57.1%) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Mikronejon_117 (DQ),

Start 12:

- Found in 2 of 7 (28.6%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Stewart25555_169 (FC),

Summary by clusters:

There are 4 clusters represented in this pham: DO, singleton, FC, DQ,

Info for manual annotations of cluster DO:

- Start number 5 was manually annotated 1 time for cluster DO.

Info for manual annotations of cluster DQ:

- Start number 4 was manually annotated 3 times for cluster DQ.

Gene Information:

Gene: Chidiebere_122 Start: 85918, Stop: 86616, Start Num: 4

Candidate Starts for Chidiebere_122:

(Start: 4 @85918 has 3 MA's), (9, 85990), (11, 86017), (13, 86050), (14, 86080), (15, 86152), (16, 86155), (18, 86188), (19, 86191), (22, 86236), (24, 86245), (26, 86326), (27, 86365), (34, 86509), (35, 86518), (37, 86563), (38, 86608),

Gene: Kabocha_123 Start: 86731, Stop: 87429, Start Num: 4

Candidate Starts for Kabocha_123:

(Start: 4 @86731 has 3 MA's), (9, 86803), (11, 86830), (13, 86863), (14, 86893), (15, 86965), (16, 86968), (18, 87001), (19, 87004), (22, 87049), (24, 87058), (26, 87139), (27, 87178), (34, 87322), (35, 87331), (37, 87376), (38, 87421),

Gene: Mbo2_93 Start: 66190, Stop: 65546, Start Num: 3

Candidate Starts for Mbo2_93:

(2, 66199), (3, 66190), (7, 66142), (10, 66094), (12, 66058), (23, 65854), (26, 65770), (29, 65671), (30, 65668), (33, 65590), (36, 65566),

Gene: Mikronejon_117 Start: 85340, Stop: 85966, Start Num: 9

Candidate Starts for Mikronejon_117:

(Start: 4 @85268 has 3 MA's), (9, 85340), (11, 85367), (13, 85400), (14, 85430), (15, 85502), (16, 85505), (18, 85538), (19, 85541), (22, 85586), (24, 85595), (26, 85676), (27, 85715), (34, 85859), (35, 85868), (37, 85913), (38, 85958),

Gene: SCentae_166 Start: 121636, Stop: 122217, Start Num: 5

Candidate Starts for SCentae_166:

(Start: 5 @121636 has 1 MA's), (8, 121693), (19, 121873), (28, 122059), (31, 122125),

Gene: Schomber_120 Start: 85119, Stop: 85817, Start Num: 4

Candidate Starts for Schomber_120:

(Start: 4 @85119 has 3 MA's), (9, 85191), (11, 85218), (13, 85251), (14, 85281), (15, 85353), (16, 85356), (18, 85389), (19, 85392), (22, 85437), (24, 85446), (26, 85527), (27, 85566), (34, 85710), (35, 85719), (37, 85764), (38, 85809),

Gene: Stewart25555_169 Start: 117773, Stop: 118273, Start Num: 12

Candidate Starts for Stewart25555_169:

(1, 117620), (6, 117677), (12, 117773), (17, 117902), (19, 117917), (20, 117926), (21, 117959), (25, 118022), (32, 118193),