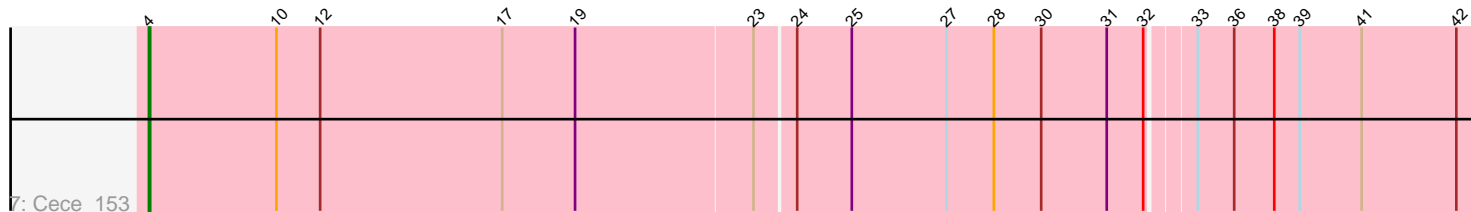
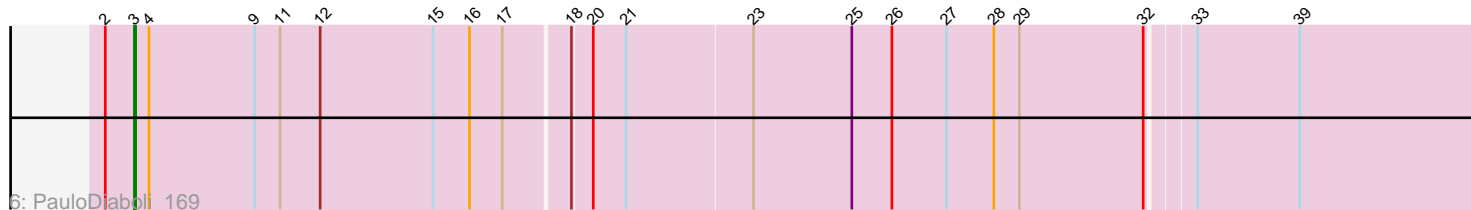
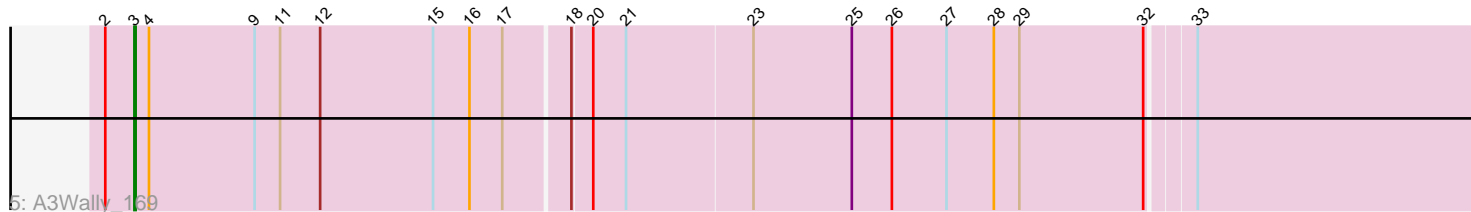
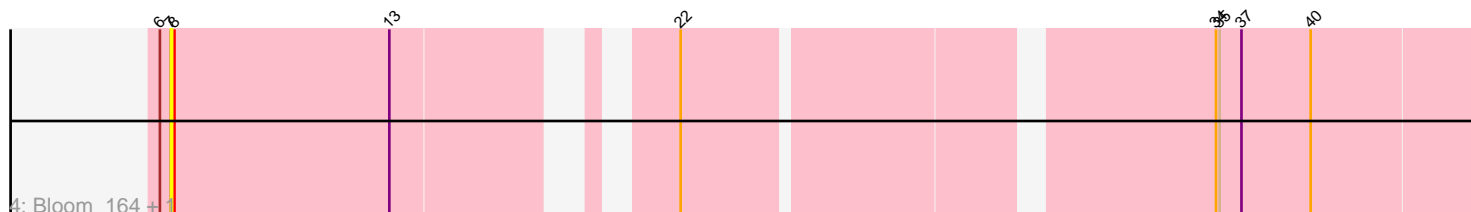
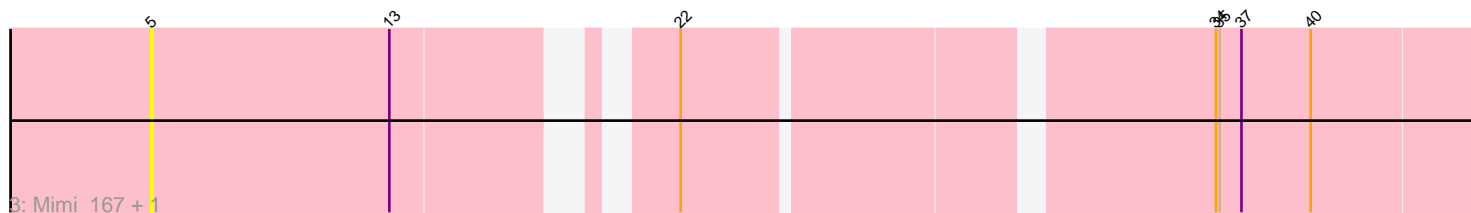
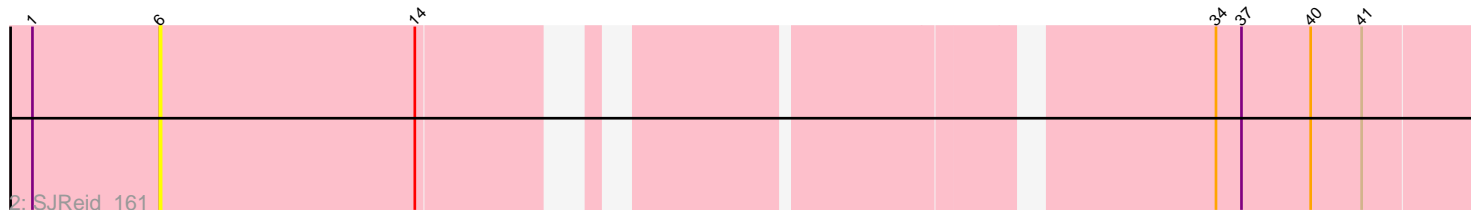
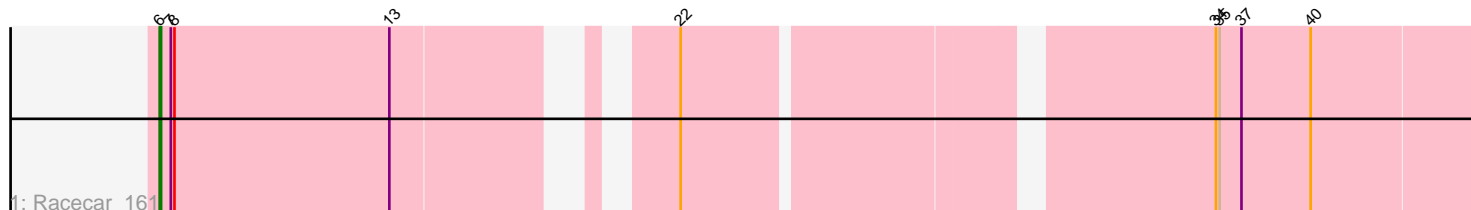


Pham 8689



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 8689 Report

This analysis was run 04/28/24 on database version 559.

Pham number 8689 has 9 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Racecar_161
- Track 2 : SJReid_161
- Track 3 : Mimi_167, Patbob_159
- Track 4 : Bloom_164, Talia1610_164
- Track 5 : A3Wally_169
- Track 6 : PauloDiaboli_169
- Track 7 : Cece_153

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

Genes that call this "Most Annotated" start:

- A3Wally_169, PauloDiaboli_169,

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

-

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

- Bloom_164, Cece_153, Mimi_167, Patbob_159, Racecar_161, SJReid_161, Talia1610_164,

Summary by start number:

Start 3:

- Found in 2 of 9 (22.2%) of genes in pham
- Manual Annotations of this start: 2 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: A3Wally_169 (GD1), PauloDiaboli_169 (GD1),

Start 4:

- Found in 3 of 9 (33.3%) of genes in pham

- Manual Annotations of this start: 1 of 4
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Cece_153 (GD3),

Start 5:

- Found in 2 of 9 (22.2%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Mimi_167 (FC), Patbob_159 (FC),

Start 6:

- Found in 4 of 9 (44.4%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Racecar_161 (FC), SJReid_161 (FC),

Start 7:

- Found in 3 of 9 (33.3%) of genes in pham
- No Manual Annotations of this start.
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Bloom_164 (FC), Talia1610_164 (FC),

Summary by clusters:

There are 3 clusters represented in this pham: GD3, GD1, FC,

Info for manual annotations of cluster FC:

- Start number 6 was manually annotated 1 time for cluster FC.

Info for manual annotations of cluster GD1:

- Start number 3 was manually annotated 2 times for cluster GD1.

Info for manual annotations of cluster GD3:

- Start number 4 was manually annotated 1 time for cluster GD3.

Gene Information:

Gene: A3Wally_169 Start: 94833, Stop: 95915, Start Num: 3

Candidate Starts for A3Wally_169:

(2, 94809), (Start: 3 @94833 has 2 MA's), (Start: 4 @94845 has 1 MA's), (9, 94932), (11, 94953), (12, 94986), (15, 95079), (16, 95109), (17, 95136), (18, 95187), (20, 95202), (21, 95229), (23, 95331), (25, 95412), (26, 95445), (27, 95490), (28, 95529), (29, 95550), (32, 95652), (33, 95685),

Gene: Bloom_164 Start: 106041, Stop: 107000, Start Num: 7

Candidate Starts for Bloom_164:

(Start: 6 @106032 has 1 MA's), (7, 106041), (8, 106044), (13, 106221), (22, 106395), (34, 106791), (35, 106794), (37, 106812), (40, 106869),

Gene: Cece_153 Start: 96326, Stop: 97399, Start Num: 4

Candidate Starts for Cece_153:

(Start: 4 @96326 has 1 MA's), (10, 96431), (12, 96467), (17, 96617), (19, 96677), (23, 96821), (24, 96851), (25, 96896), (27, 96974), (28, 97013), (30, 97052), (31, 97106), (32, 97136), (33, 97169), (36, 97199), (38, 97232), (39, 97253), (41, 97304), (42, 97382),

Gene: Mimi_167 Start: 105660, Stop: 106634, Start Num: 5

Candidate Starts for Mimi_167:

(5, 105660), (13, 105855), (22, 106029), (34, 106425), (35, 106428), (37, 106446), (40, 106503),

Gene: Patbob_159 Start: 106165, Stop: 107139, Start Num: 5

Candidate Starts for Patbob_159:

(5, 106165), (13, 106360), (22, 106534), (34, 106930), (35, 106933), (37, 106951), (40, 107008),

Gene: PauloDiaboli_169 Start: 92879, Stop: 93961, Start Num: 3

Candidate Starts for PauloDiaboli_169:

(2, 92855), (Start: 3 @92879 has 2 MA's), (Start: 4 @92891 has 1 MA's), (9, 92978), (11, 92999), (12, 93032), (15, 93125), (16, 93155), (17, 93182), (18, 93233), (20, 93248), (21, 93275), (23, 93377), (25, 93458), (26, 93491), (27, 93536), (28, 93575), (29, 93596), (32, 93698), (33, 93731), (39, 93815),

Gene: Racecar_161 Start: 106085, Stop: 107053, Start Num: 6

Candidate Starts for Racecar_161:

(Start: 6 @106085 has 1 MA's), (7, 106094), (8, 106097), (13, 106274), (22, 106448), (34, 106844), (35, 106847), (37, 106865), (40, 106922),

Gene: SJReid_161 Start: 94852, Stop: 95820, Start Num: 6

Candidate Starts for SJReid_161:

(1, 94747), (Start: 6 @94852 has 1 MA's), (14, 95062), (34, 95611), (37, 95632), (40, 95689), (41, 95731),

Gene: Talia1610_164 Start: 106043, Stop: 107002, Start Num: 7

Candidate Starts for Talia1610_164:

(Start: 6 @106034 has 1 MA's), (7, 106043), (8, 106046), (13, 106223), (22, 106397), (34, 106793), (35, 106796), (37, 106814), (40, 106871),