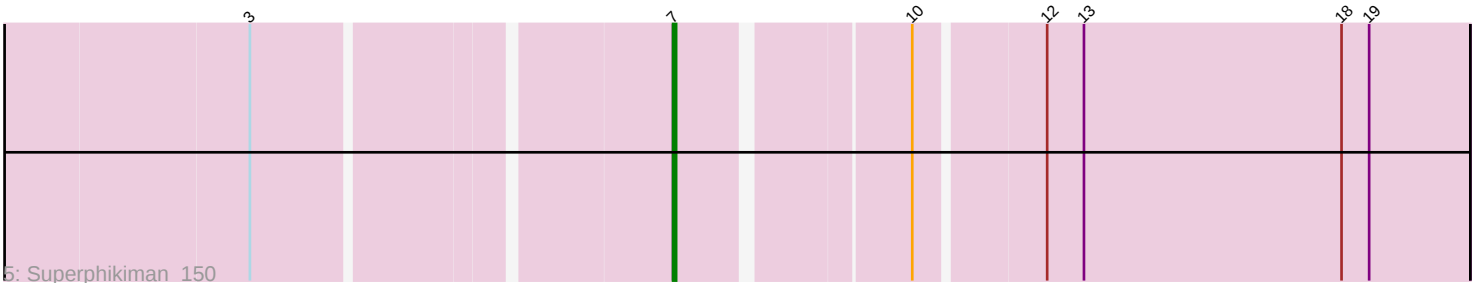
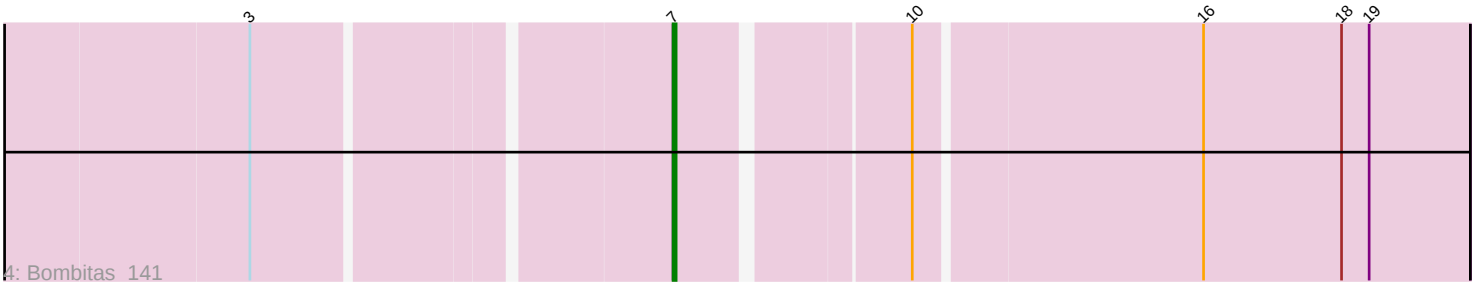
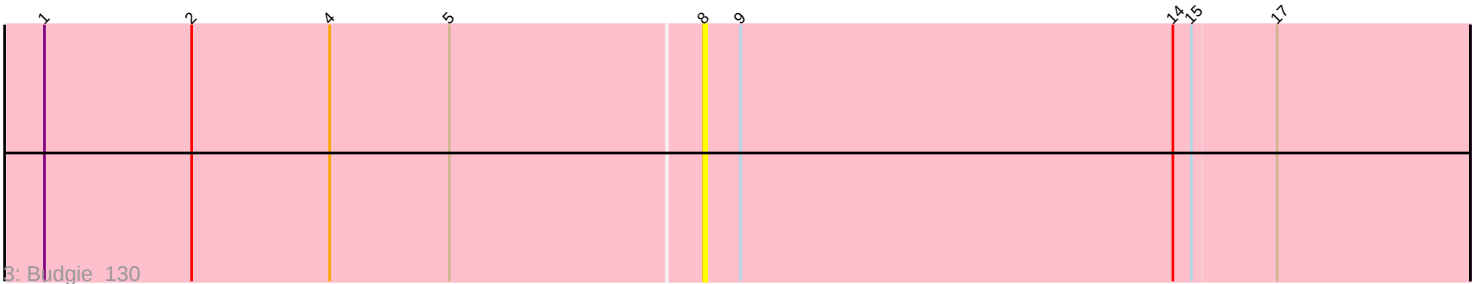
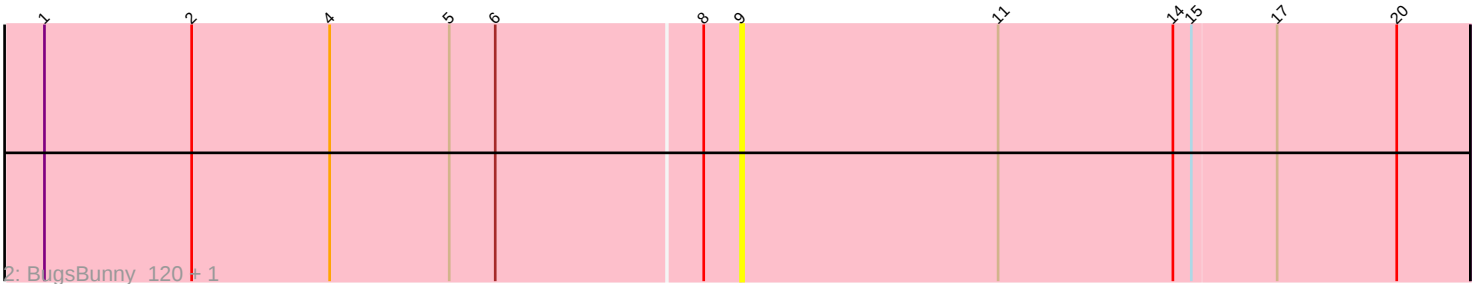
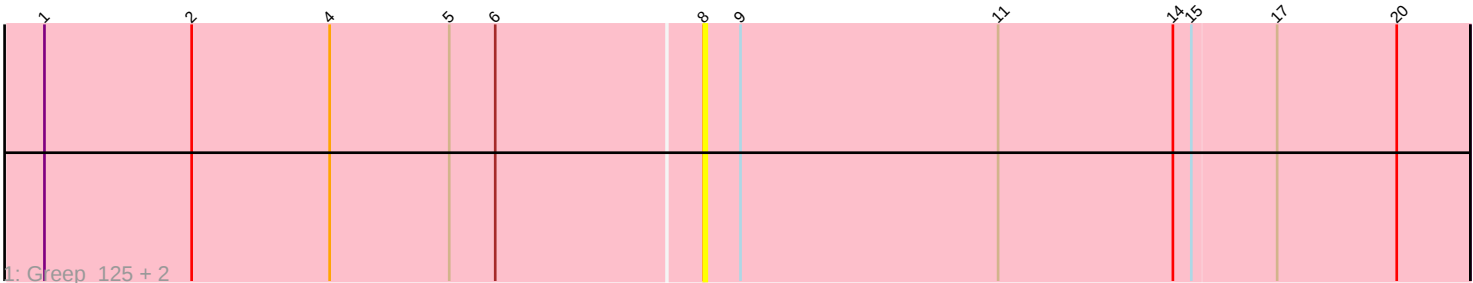


Pham 253001



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 253001 Report

This analysis was run 02/07/26 on database version 634.

Pham number 253001 has 8 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Greep_125, Daikon_122, Bogg_122
- Track 2 : BugsBunny_120, Amao_126
- Track 3 : Budgie_130
- Track 4 : Bombitas_141
- Track 5 : Superphikiman_150

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 7, it was called in 2 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bombitas_141, Superphikiman_150,

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

-

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

- Amao_126, Bogg_122, Budgie_130, BugsBunny_120, Daikon_122, Greep_125,

Summary by start number:

Start 7:

- Found in 2 of 8 (25.0%) of genes in pham
- Manual Annotations of this start: 2 of 2
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bombitas_141 (J), Superphikiman_150 (J),

Start 8:

- Found in 6 of 8 (75.0%) of genes in pham
- No Manual Annotations of this start.
- Called 66.7% of time when present

- Phage (with cluster) where this start called: Bogg_122 (E), Budgie_130 (E), Daikon_122 (E), Greep_125 (E),

Start 9:

- Found in 6 of 8 (75.0%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Amao_126 (E), BugsBunny_120 (E),

Summary by clusters:

There are 2 clusters represented in this pham: J, E,

Info for manual annotations of cluster J:

- Start number 7 was manually annotated 2 times for cluster J.

Gene Information:

Gene: Amao_126 Start: 68317, Stop: 68553, Start Num: 9

Candidate Starts for Amao_126:

(1, 68092), (2, 68140), (4, 68185), (5, 68224), (6, 68239), (8, 68305), (9, 68317), (11, 68401), (14, 68458), (15, 68464), (17, 68491), (20, 68530),

Gene: Bogg_122 Start: 67277, Stop: 67525, Start Num: 8

Candidate Starts for Bogg_122:

(1, 67064), (2, 67112), (4, 67157), (5, 67196), (6, 67211), (8, 67277), (9, 67289), (11, 67373), (14, 67430), (15, 67436), (17, 67463), (20, 67502),

Gene: Bombitas_141 Start: 79468, Stop: 79713, Start Num: 7

Candidate Starts for Bombitas_141:

(3, 79342), (Start: 7 @79468 has 2 MA's), (10, 79537), (16, 79627), (18, 79672), (19, 79681),

Gene: Budgie_130 Start: 68115, Stop: 68363, Start Num: 8

Candidate Starts for Budgie_130:

(1, 67902), (2, 67950), (4, 67995), (5, 68034), (8, 68115), (9, 68127), (14, 68268), (15, 68274), (17, 68301),

Gene: BugsBunny_120 Start: 67768, Stop: 68004, Start Num: 9

Candidate Starts for BugsBunny_120:

(1, 67543), (2, 67591), (4, 67636), (5, 67675), (6, 67690), (8, 67756), (9, 67768), (11, 67852), (14, 67909), (15, 67915), (17, 67942), (20, 67981),

Gene: Daikon_122 Start: 67031, Stop: 67279, Start Num: 8

Candidate Starts for Daikon_122:

(1, 66818), (2, 66866), (4, 66911), (5, 66950), (6, 66965), (8, 67031), (9, 67043), (11, 67127), (14, 67184), (15, 67190), (17, 67217), (20, 67256),

Gene: Greep_125 Start: 68573, Stop: 68821, Start Num: 8

Candidate Starts for Greep_125:

(1, 68360), (2, 68408), (4, 68453), (5, 68492), (6, 68507), (8, 68573), (9, 68585), (11, 68669), (14, 68726), (15, 68732), (17, 68759), (20, 68798),

Gene: Superphikiman_150 Start: 78471, Stop: 78716, Start Num: 7

Candidate Starts for Superphikiman_150:

(3, 78345), (Start: 7 @78471 has 2 MA's), (10, 78540), (12, 78579), (13, 78591), (18, 78675), (19, 78684),