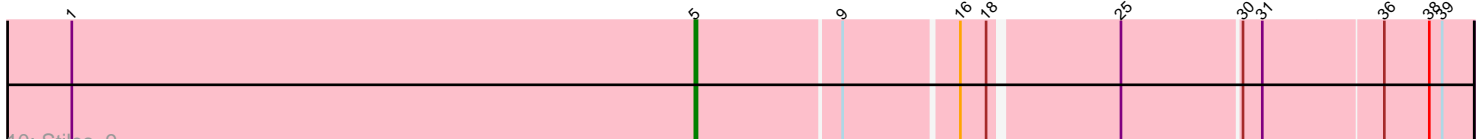
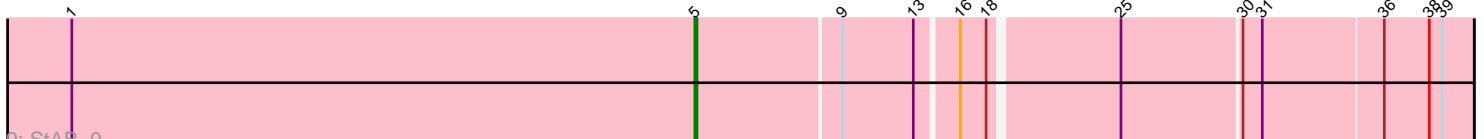
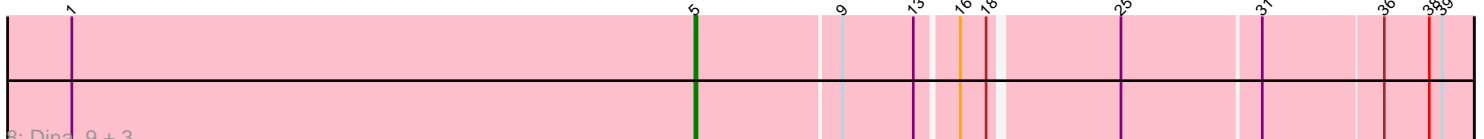
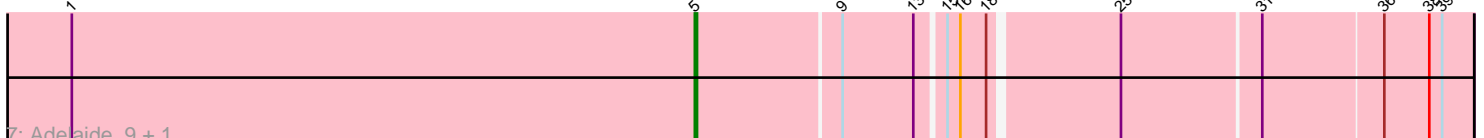
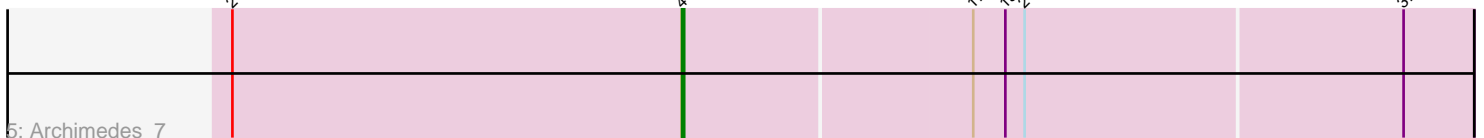
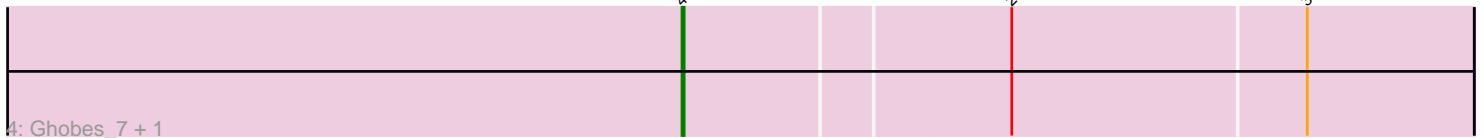
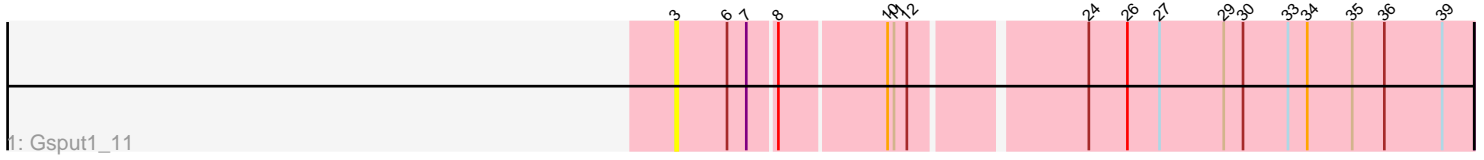


Pham 194438



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 194438 Report

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

Pham number 194438 has 15 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Gspu1_11
- Track 2 : Dardanus_15
- Track 3 : Schmidt_11
- Track 4 : Ghobes_7, Frizzle_7
- Track 5 : Archimedes_7
- Track 6 : Sapo_7
- Track 7 : Adelaide_9, Bran_9
- Track 8 : Dina_9, SamW_9, Troy_9, Lederberg_9
- Track 9 : StAB_9
- Track 10 : Stiles_9

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

The start number called the most often in the published annotations is 5, it was called in 8 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Adelaide_9, Bran_9, Dina_9, Lederberg_9, SamW_9, StAB_9, Stiles_9, Troy_9,

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

-

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

- Archimedes_7, Dardanus_15, Frizzle_7, Ghobes_7, Gspu1_11, Sapo_7, Schmidt_11,

Summary by start number:

Start 3:

- Found in 2 of 15 (13.3%) of genes in pham
- Manual Annotations of this start: 1 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gspu1_11 (CU2), Schmidt_11 (CU4),

Start 4:

- Found in 5 of 15 (33.3%) of genes in pham
- Manual Annotations of this start: 4 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Archimedes_7 (DA), Dardanus_15 (CU3), Frizzle_7 (DA), Ghobes_7 (DA), Sapo_7 (DA),

Start 5:

- Found in 8 of 15 (53.3%) of genes in pham
- Manual Annotations of this start: 8 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Adelaide_9 (EP), Bran_9 (EP), Dina_9 (EP), Lederberg_9 (EP), SamW_9 (EP), StAB_9 (EP), Stiles_9 (EP), Troy_9 (EP),

Summary by clusters:

There are 5 clusters represented in this pham: CU2, CU4, CU3, EP, DA,

Info for manual annotations of cluster CU3:

- Start number 4 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:

- Start number 3 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster DA:

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

Info for manual annotations of cluster EP:

- Start number 5 was manually annotated 8 times for cluster EP.

Gene Information:

Gene: Adelaide_9 Start: 6873, Stop: 7217, Start Num: 5

Candidate Starts for Adelaide_9:

(1, 6582), (Start: 5 @6873 has 8 MA's), (9, 6939), (13, 6972), (15, 6984), (16, 6990), (18, 7002), (25, 7059), (31, 7122), (36, 7176), (38, 7197), (39, 7203),

Gene: Archimedes_7 Start: 6004, Stop: 6366, Start Num: 4

Candidate Starts for Archimedes_7:

(2, 5794), (Start: 4 @6004 has 4 MA's), (17, 6136), (19, 6151), (21, 6160), (37, 6334),

Gene: Bran_9 Start: 6878, Stop: 7222, Start Num: 5

Candidate Starts for Bran_9:

(1, 6587), (Start: 5 @6878 has 8 MA's), (9, 6944), (13, 6977), (15, 6989), (16, 6995), (18, 7007), (25, 7064), (31, 7127), (36, 7181), (38, 7202), (39, 7208),

Gene: Dardanus_15 Start: 9541, Stop: 9897, Start Num: 4

Candidate Starts for Dardanus_15:

(Start: 4 @9541 has 4 MA's), (7, 9571), (8, 9586), (12, 9643), (16, 9664), (23, 9712), (26, 9736), (28, 9763), (35, 9841), (40, 9886),

Gene: Dina_9 Start: 6861, Stop: 7205, Start Num: 5

Candidate Starts for Dina_9:

(1, 6570), (Start: 5 @6861 has 8 MA's), (9, 6927), (13, 6960), (16, 6978), (18, 6990), (25, 7047), (31, 7110), (36, 7164), (38, 7185), (39, 7191),

Gene: Frizzle_7 Start: 6056, Stop: 6415, Start Num: 4

Candidate Starts for Frizzle_7:

(Start: 4 @6056 has 4 MA's), (20, 6203), (34, 6338),

Gene: Ghobes_7 Start: 6056, Stop: 6415, Start Num: 4

Candidate Starts for Ghobes_7:

(Start: 4 @6056 has 4 MA's), (20, 6203), (34, 6338),

Gene: Gspu1_11 Start: 7862, Stop: 8218, Start Num: 3

Candidate Starts for Gspu1_11:

(Start: 3 @7862 has 1 MA's), (6, 7886), (7, 7895), (8, 7907), (10, 7955), (11, 7958), (12, 7964), (24, 8039), (26, 8057), (27, 8072), (29, 8102), (30, 8111), (33, 8132), (34, 8141), (35, 8162), (36, 8177), (39, 8204),

Gene: Lederberg_9 Start: 6861, Stop: 7205, Start Num: 5

Candidate Starts for Lederberg_9:

(1, 6570), (Start: 5 @6861 has 8 MA's), (9, 6927), (13, 6960), (16, 6978), (18, 6990), (25, 7047), (31, 7110), (36, 7164), (38, 7185), (39, 7191),

Gene: SamW_9 Start: 6861, Stop: 7205, Start Num: 5

Candidate Starts for SamW_9:

(1, 6570), (Start: 5 @6861 has 8 MA's), (9, 6927), (13, 6960), (16, 6978), (18, 6990), (25, 7047), (31, 7110), (36, 7164), (38, 7185), (39, 7191),

Gene: Sapo_7 Start: 6047, Stop: 6409, Start Num: 4

Candidate Starts for Sapo_7:

(Start: 4 @6047 has 4 MA's), (6, 6068), (34, 6332),

Gene: Schmidt_11 Start: 7862, Stop: 8224, Start Num: 3

Candidate Starts for Schmidt_11:

(Start: 3 @7862 has 1 MA's), (7, 7895), (11, 7964), (14, 7979), (16, 7991), (17, 7997), (22, 8036), (27, 8078), (29, 8108), (32, 8135), (34, 8147), (36, 8183), (37, 8192),

Gene: StAB_9 Start: 6866, Stop: 7210, Start Num: 5

Candidate Starts for StAB_9:

(1, 6575), (Start: 5 @6866 has 8 MA's), (9, 6932), (13, 6965), (16, 6983), (18, 6995), (25, 7052), (30, 7106), (31, 7115), (36, 7169), (38, 7190), (39, 7196),

Gene: Stiles_9 Start: 6860, Stop: 7204, Start Num: 5

Candidate Starts for Stiles_9:

(1, 6569), (Start: 5 @6860 has 8 MA's), (9, 6926), (16, 6977), (18, 6989), (25, 7046), (30, 7100), (31, 7109), (36, 7163), (38, 7184), (39, 7190),

Gene: Troy_9 Start: 6861, Stop: 7205, Start Num: 5

Candidate Starts for Troy_9:

(1, 6570), (Start: 5 @6861 has 8 MA's), (9, 6927), (13, 6960), (16, 6978), (18, 6990), (25, 7047), (31, 7110), (36, 7164), (38, 7185), (39, 7191),

