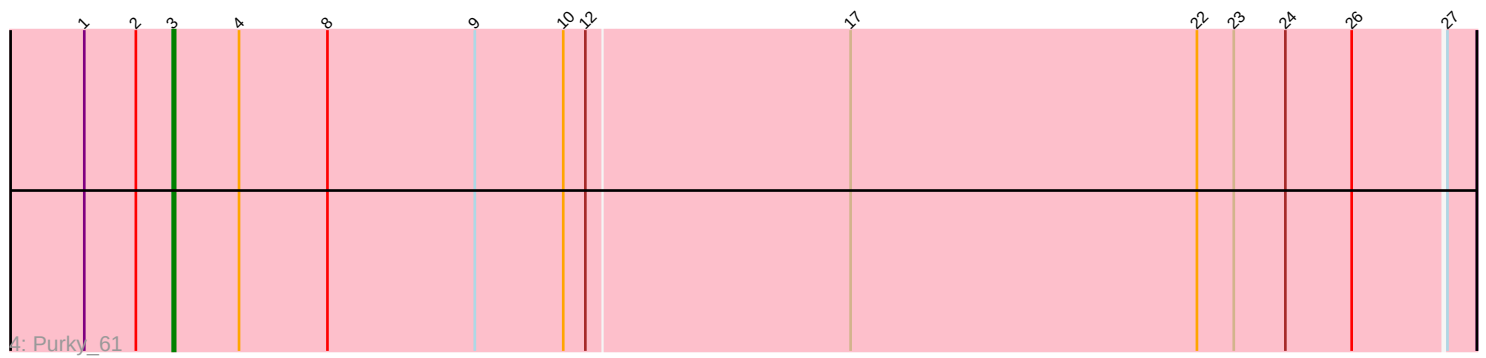
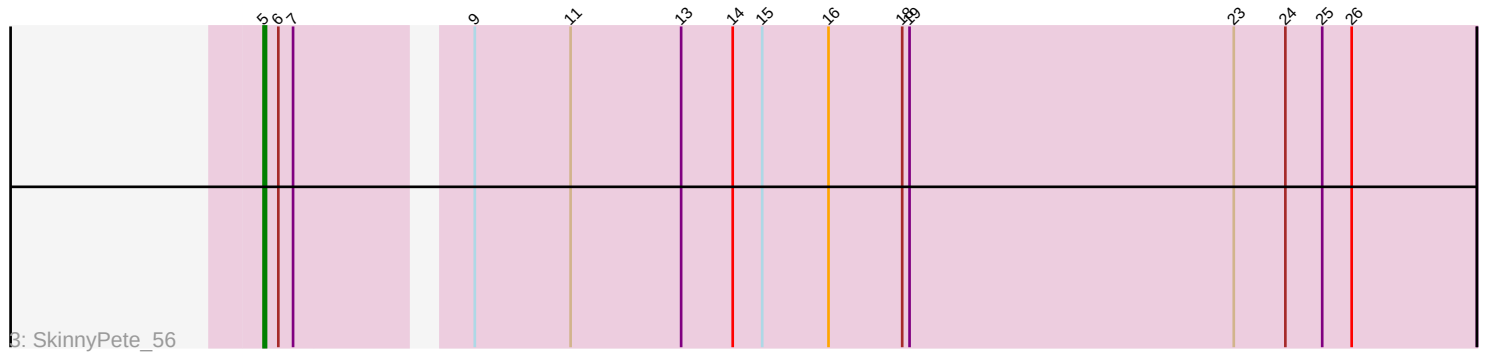
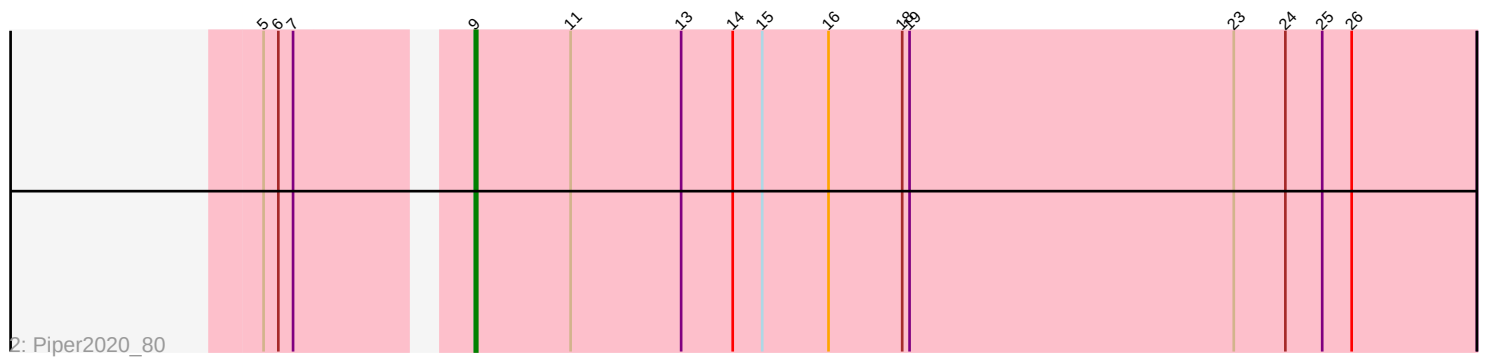
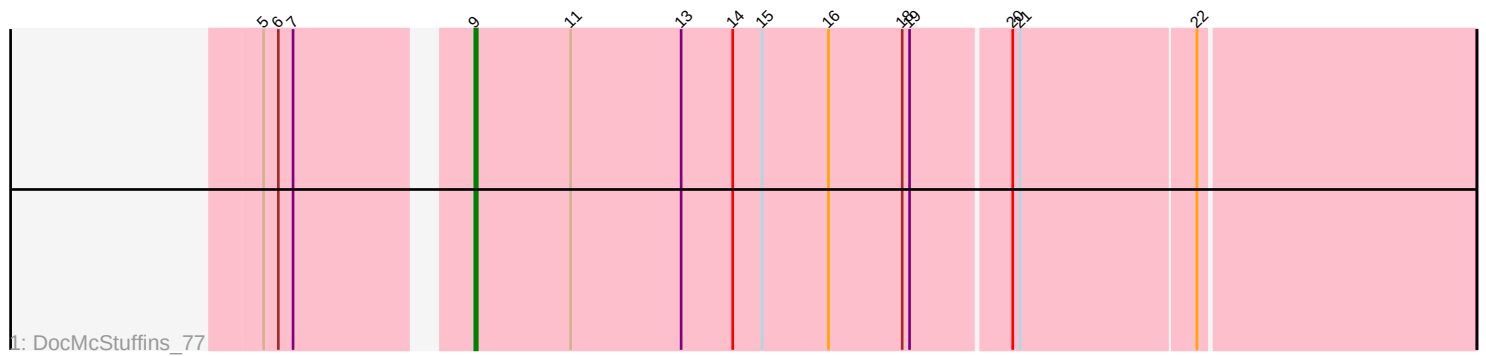


Pham 331801



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 331801 Report

This analysis was run 09/05/26 on database version 662.

Pham number 331801 has 4 members, 0 are drafts.

Phages represented in each track:

- Track 1 : DocMcStuffins_77
- Track 2 : Piper2020_80
- Track 3 : SkinnyPete_56
- Track 4 : Purky_61

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

The start number called the most often in the published annotations is 9, it was called in 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- DocMcStuffins_77, Piper2020_80,

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

- Purky_61, SkinnyPete_56,

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

•

Summary by start number:

Start 3:

- Found in 1 of 4 (25.0%) 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: Purky_61 (P6),

Start 5:

- Found in 3 of 4 (75.0%) 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: SkinnyPete_56 (N),

Start 9:

- Found in 4 of 4 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 4
- Called 50.0% of time when present
- Phage (with cluster) where this start called: DocMcStuffins_77 (F1), Piper2020_80 (F1),

Summary by clusters:

There are 3 clusters represented in this pham: F1, P6, N,

Info for manual annotations of cluster F1:

- Start number 9 was manually annotated 2 times for cluster F1.

Info for manual annotations of cluster N:

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

Info for manual annotations of cluster P6:

- Start number 3 was manually annotated 1 time for cluster P6.

Gene Information:

Gene: DocMcStuffins_77 Start: 51114, Stop: 51512, Start Num: 9

Candidate Starts for DocMcStuffins_77:

(Start: 5 @51042 has 1 MA's), (6, 51048), (7, 51054), (Start: 9 @51114 has 2 MA's), (11, 51153), (13, 51198), (14, 51219), (15, 51231), (16, 51258), (18, 51288), (19, 51291), (20, 51330), (21, 51333), (22, 51402),

Gene: Piper2020_80 Start: 50021, Stop: 50428, Start Num: 9

Candidate Starts for Piper2020_80:

(Start: 5 @49949 has 1 MA's), (6, 49955), (7, 49961), (Start: 9 @50021 has 2 MA's), (11, 50060), (13, 50105), (14, 50126), (15, 50138), (16, 50165), (18, 50195), (19, 50198), (23, 50330), (24, 50351), (25, 50366), (26, 50378),

Gene: Purky_61 Start: 40628, Stop: 41152, Start Num: 3

Candidate Starts for Purky_61:

(1, 40592), (2, 40613), (Start: 3 @40628 has 1 MA's), (4, 40655), (8, 40691), (Start: 9 @40751 has 2 MA's), (10, 40787), (12, 40796), (17, 40901), (22, 41042), (23, 41057), (24, 41078), (26, 41105), (27, 41141),

Gene: SkinnyPete_56 Start: 37623, Stop: 38102, Start Num: 5

Candidate Starts for SkinnyPete_56:

(Start: 5 @37623 has 1 MA's), (6, 37629), (7, 37635), (Start: 9 @37695 has 2 MA's), (11, 37734), (13, 37779), (14, 37800), (15, 37812), (16, 37839), (18, 37869), (19, 37872), (23, 38004), (24, 38025), (25, 38040), (26, 38052),