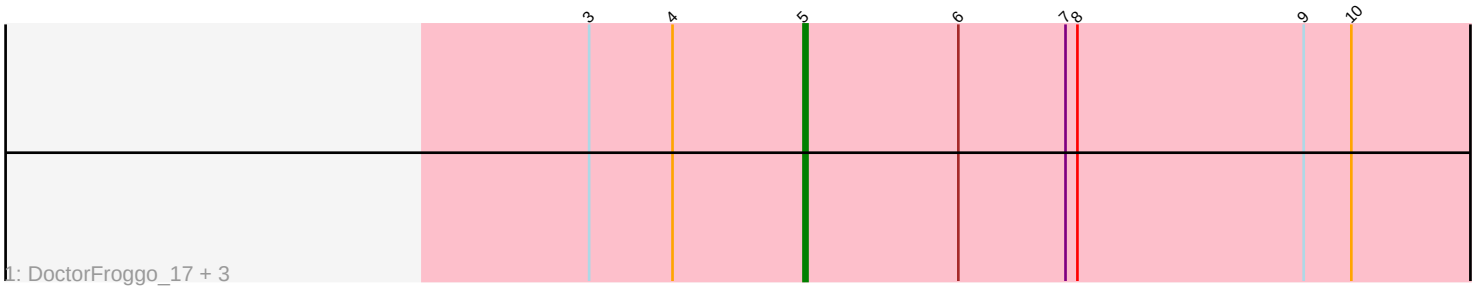
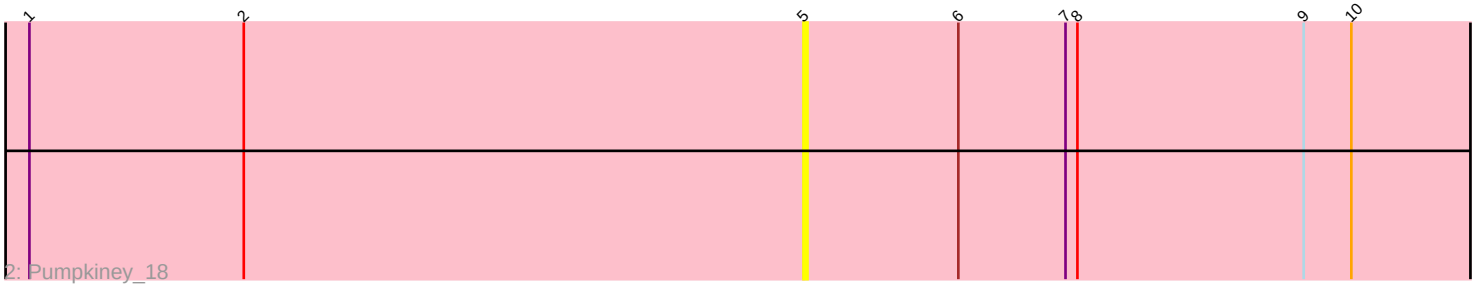
Pham 305404


3
4
5
6
7
8
9
10
1: DoctorFroggo_17 + 3


1
2
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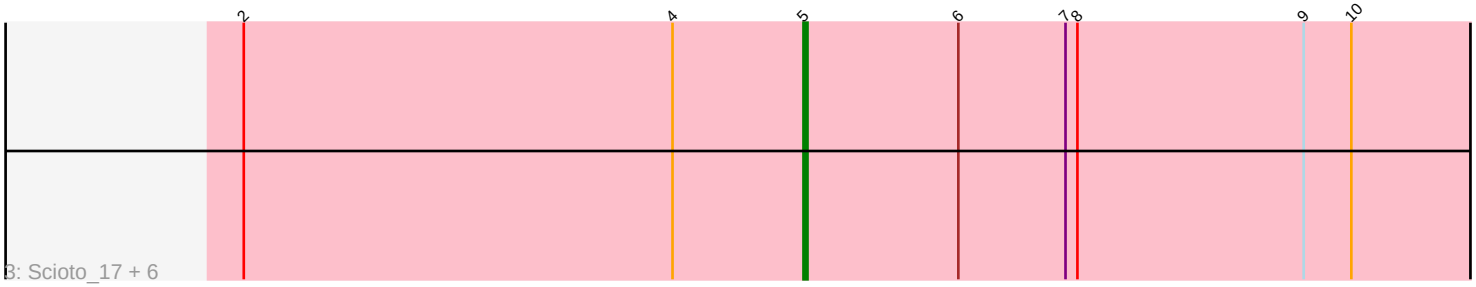
9
10
2: Pumpkiney_18


2
4
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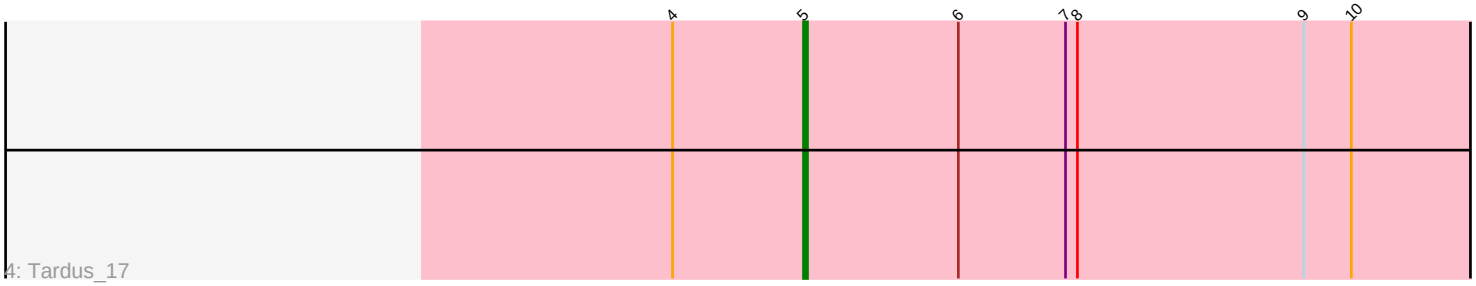
3: Scioto_17 + 6


4
5
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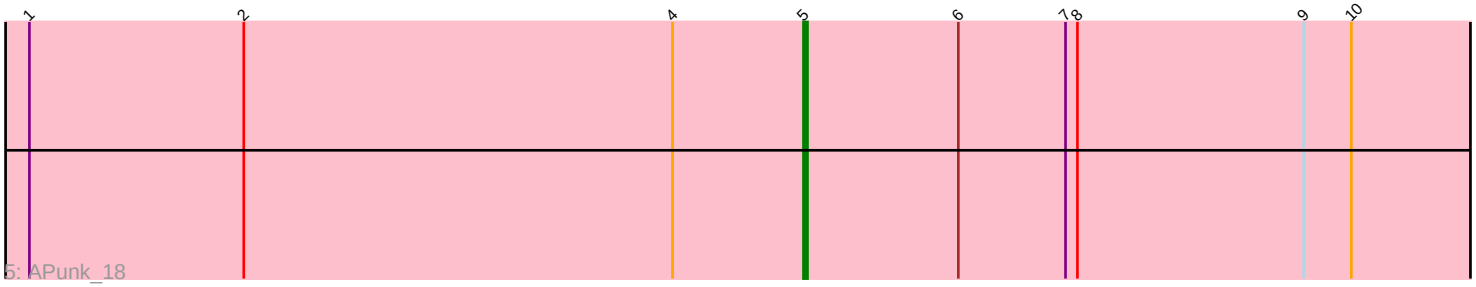
10
4: Tardus_17


1
2
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10
5: APunk_18

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 305404 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305404 has 14 members, 1 are drafts.

Phages represented in each track:
• Track 1 : DoctorFroggo_17, Zipp_17, Verity_17, Delrey21_17
• Track 2 : Pumpkiney_18
• Track 3 : Scioto_17, Sampson_17, Natkenzie_17, Abblin_17, ViaConlectus_17, Zitch_18, BigHunkinEater_20
• Track 4 : Tardus_17
• Track 5 : APunk_18

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 13 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• APunk_18, Abblin_17, BigHunkinEater_20, Delrey21_17, DoctorFroggo_17, Natkenzie_17, Pumpkiney_18, Sampson_17, Scioto_17, Tardus_17, Verity_17, ViaConlectus_17, Zipp_17, Zitch_18,

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

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

Summary by start number:

Start 5:
• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 13 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: APunk_18 (DE4), Abblin_17 (DE4), BigHunkinEater_20 (DE4), Delrey21_17 (DE4), DoctorFroggo_17 (DE4), Natkenzie_17 (DE4), Pumpkiney_18 (DE4), Sampson_17 (DE4), Scioto_17 (DE4), Tardus_17 (DE4), Verity_17 (DE4), ViaConlectus_17 (DE4), Zipp_17 (DE4), Zitch_18 (DE4),

Summary by clusters:

There is one cluster represented in this pham: DE4

Info for manual annotations of cluster DE4:
•Start number 5 was manually annotated 13 times for cluster DE4.

Gene Information:

Gene: APunk_18 Start: 12612, Stop: 12815, Start Num: 5
Candidate Starts for APunk_18:
(1, 12417), (2, 12471), (4, 12579), (Start: 5 @12612 has 13 MA's), (6, 12651), (7, 12678), (8, 12681), (9, 12738), (10, 12750),

Gene: Abblin_17 Start: 12098, Stop: 12313, Start Num: 5
Candidate Starts for Abblin_17:
(2, 11957), (4, 12065), (Start: 5 @12098 has 13 MA's), (6, 12137), (7, 12164), (8, 12167), (9, 12224), (10, 12236),

Gene: BigHunkinEater_20 Start: 11222, Stop: 11437, Start Num: 5
Candidate Starts for BigHunkinEater_20:
(2, 11081), (4, 11189), (Start: 5 @11222 has 13 MA's), (6, 11261), (7, 11288), (8, 11291), (9, 11348), (10, 11360),

Gene: Delrey21_17 Start: 11558, Stop: 11773, Start Num: 5
Candidate Starts for Delrey21_17:
(3, 11504), (4, 11525), (Start: 5 @11558 has 13 MA's), (6, 11597), (7, 11624), (8, 11627), (9, 11684), (10, 11696),

Gene: DoctorFroggo_17 Start: 11558, Stop: 11773, Start Num: 5
Candidate Starts for DoctorFroggo_17:
(3, 11504), (4, 11525), (Start: 5 @11558 has 13 MA's), (6, 11597), (7, 11624), (8, 11627), (9, 11684), (10, 11696),

Gene: Natkenzie_17 Start: 12098, Stop: 12313, Start Num: 5
Candidate Starts for Natkenzie_17:
(2, 11957), (4, 12065), (Start: 5 @12098 has 13 MA's), (6, 12137), (7, 12164), (8, 12167), (9, 12224), (10, 12236),

Gene: Pumpkiney_18 Start: 10528, Stop: 10731, Start Num: 5
Candidate Starts for Pumpkiney_18:
(1, 10333), (2, 10387), (Start: 5 @10528 has 13 MA's), (6, 10567), (7, 10594), (8, 10597), (9, 10654), (10, 10666),

Gene: Sampson_17 Start: 12043, Stop: 12258, Start Num: 5
Candidate Starts for Sampson_17:
(2, 11902), (4, 12010), (Start: 5 @12043 has 13 MA's), (6, 12082), (7, 12109), (8, 12112), (9, 12169), (10, 12181),

Gene: Scioto_17 Start: 12098, Stop: 12313, Start Num: 5

Candidate Starts for Scioto_17:
(2, 11957), (4, 12065), (Start: 5 @12098 has 13 MA's), (6, 12137), (7, 12164), (8, 12167), (9, 12224), (10, 12236),

Gene: Tardus_17 Start: 10346, Stop: 10549, Start Num: 5
Candidate Starts for Tardus_17:
(4, 10313), (Start: 5 @10346 has 13 MA's), (6, 10385), (7, 10412), (8, 10415), (9, 10472), (10, 10484),

Gene: Verity_17 Start: 11558, Stop: 11773, Start Num: 5
Candidate Starts for Verity_17:
(3, 11504), (4, 11525), (Start: 5 @11558 has 13 MA's), (6, 11597), (7, 11624), (8, 11627), (9, 11684), (10, 11696),

Gene: ViaConlectus_17 Start: 12113, Stop: 12328, Start Num: 5
Candidate Starts for ViaConlectus_17:
(2, 11972), (4, 12080), (Start: 5 @12113 has 13 MA's), (6, 12152), (7, 12179), (8, 12182), (9, 12239), (10, 12251),

Gene: Zipp_17 Start: 11703, Stop: 11918, Start Num: 5
Candidate Starts for Zipp_17:
(3, 11649), (4, 11670), (Start: 5 @11703 has 13 MA's), (6, 11742), (7, 11769), (8, 11772), (9, 11829), (10, 11841),

Gene: Zitch_18 Start: 11028, Stop: 11231, Start Num: 5
Candidate Starts for Zitch_18:
(2, 10887), (4, 10995), (Start: 5 @11028 has 13 MA's), (6, 11067), (7, 11094), (8, 11097), (9, 11154), (10, 11166),