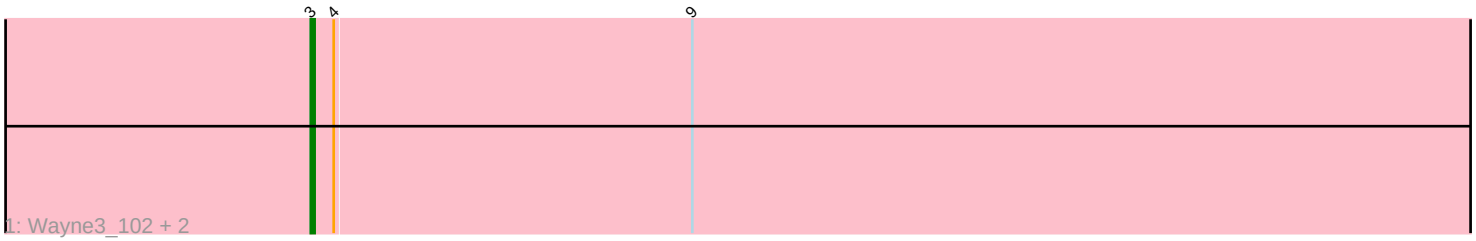
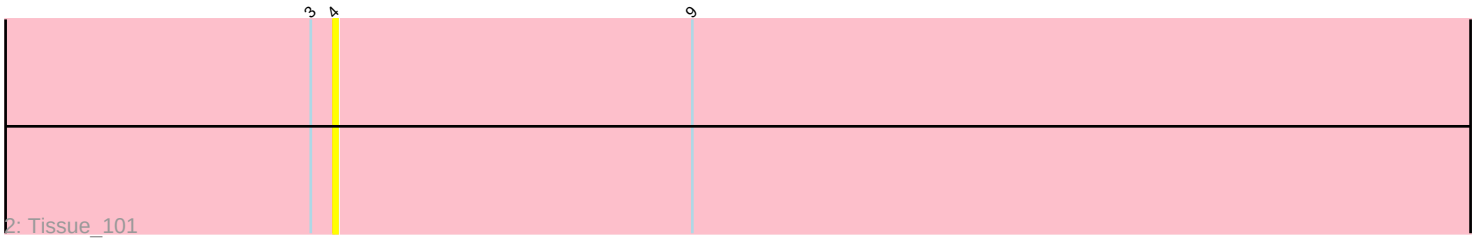
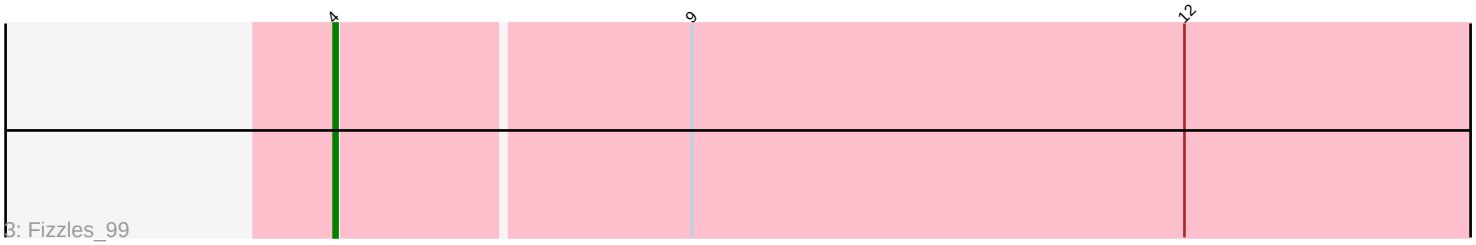
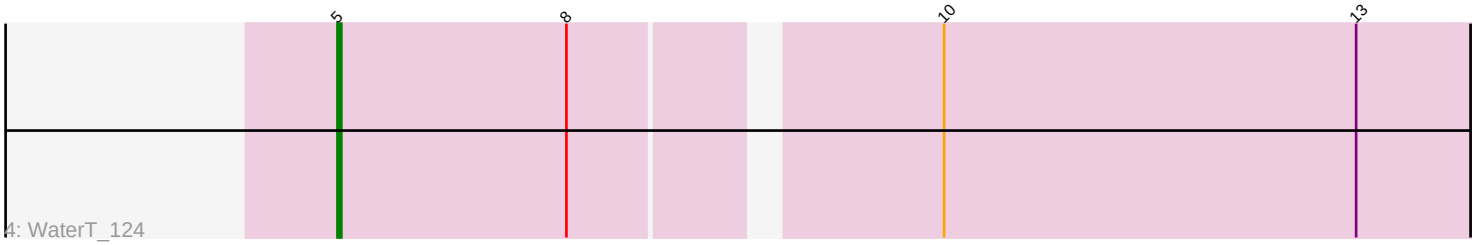
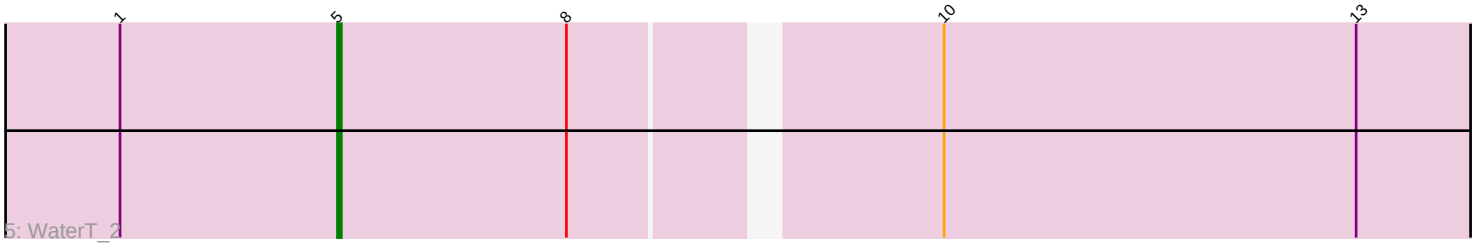
Pham 6320

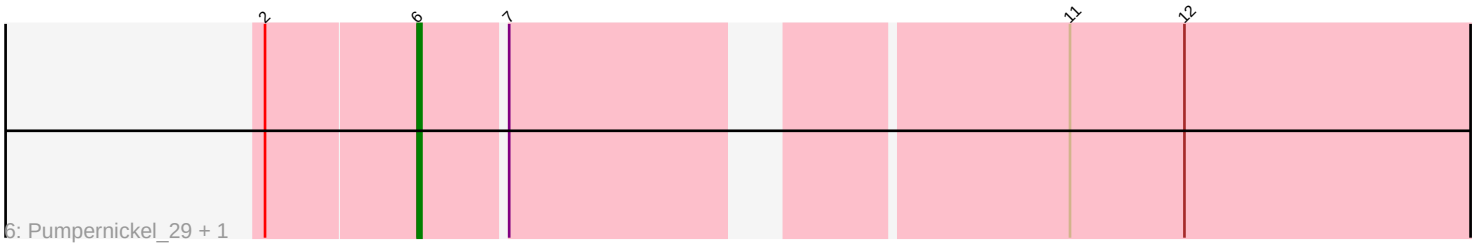

3
4
9
1: Wayne3_102 + 2


3
4
9
2: Tissue_101


4
9
12
3: Fizzles_99


5
8
10
13
4: WaterT_124


1
5
8
10
13
5: WaterT_2


2
6
7
11
12
6: Pumpernickel_29 + 1

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 6320 Report

This analysis was run 03/30/24 on database version 556.

Pham number 6320 has 9 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Wayne3_102, Phabia_100, Wheelie_100
• Track 2 : Tissue_101
• Track 3 : Fizzles_99
• Track 4 : WaterT_124
• Track 5 : WaterT_2
• Track 6 : Pumpernickel_29, Pumpernickel_330

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 3 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Phabia_100, Wayne3_102, Wheelie_100,

Genes that have the "Most Annotated" start but do not call it:
• Tissue_101,

Genes that do not have the "Most Annotated" start:
• Fizzles_99, Pumpernickel_29, Pumpernickel_330, WaterT_124, WaterT_2,

Summary by start number:

Start 3:
• Found in 4 of 9 (44.4%) of genes in pham
• Manual Annotations of this start: 3 of 8
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Phabia_100 (EG), Wayne3_102 (EG), Wheelie_100 (EG),

Start 4:
• Found in 5 of 9 (55.6%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 40.0% of time when present

• Phage (with cluster) where this start called: Fizzles_99 (EG), Tissue_101 (EG),

Start 5:
• Found in 2 of 9 (22.2%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: WaterT_124 (GB), WaterT_2 (GB),

Start 6:
• Found in 2 of 9 (22.2%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Pumpernickel_29 (GD4), Pumpernickel_330 (GD4),

Summary by clusters:

There are 3 clusters represented in this pham: EG, GD4, GB,

Info for manual annotations of cluster EG:
•Start number 3 was manually annotated 3 times for cluster EG.
•Start number 4 was manually annotated 1 time for cluster EG.

Info for manual annotations of cluster GB:
•Start number 5 was manually annotated 2 times for cluster GB.

Info for manual annotations of cluster GD4:
•Start number 6 was manually annotated 2 times for cluster GD4.

Gene Information:

Gene: Fizzles_99 Start: 59821, Stop: 59522, Start Num: 4
Candidate Starts for Fizzles_99:
(Start: 4 @59821 has 1 MA's), (9, 59731), (12, 59602),

Gene: Phabia_100 Start: 59602, Stop: 59294, Start Num: 3
Candidate Starts for Phabia_100:
(Start: 3 @59602 has 3 MA's), (Start: 4 @59596 has 1 MA's), (9, 59503),

Gene: Pumpernickel_29 Start: 11637, Stop: 11897, Start Num: 6
Candidate Starts for Pumpernickel_29:
(2, 11598), (Start: 6 @11637 has 2 MA's), (7, 11658), (11, 11787), (12, 11817),

Gene: Pumpernickel_330 Start: 177769, Stop: 178029, Start Num: 6
Candidate Starts for Pumpernickel_330:
(2, 177730), (Start: 6 @177769 has 2 MA's), (7, 177790), (11, 177919), (12, 177949),

Gene: Tissue_101 Start: 60366, Stop: 60064, Start Num: 4
Candidate Starts for Tissue_101:
(Start: 3 @60372 has 3 MA's), (Start: 4 @60366 has 1 MA's), (9, 60273),

Gene: WaterT_124 Start: 60186, Stop: 59896, Start Num: 5
Candidate Starts for WaterT_124:
(Start: 5 @60186 has 2 MA's), (8, 60126), (10, 60039), (13, 59931),

Gene: WaterT_2 Start: 641, Stop: 351, Start Num: 5
Candidate Starts for WaterT_2:
(1, 698), (Start: 5 @641 has 2 MA's), (8, 581), (10, 494), (13, 386),

Gene: Wayne3_102 Start: 60171, Stop: 59863, Start Num: 3
Candidate Starts for Wayne3_102:
(Start: 3 @60171 has 3 MA's), (Start: 4 @60165 has 1 MA's), (9, 60072),

Gene: Wheelie_100 Start: 59492, Stop: 59184, Start Num: 3
Candidate Starts for Wheelie_100:
(Start: 3 @59492 has 3 MA's), (Start: 4 @59486 has 1 MA's), (9, 59393),