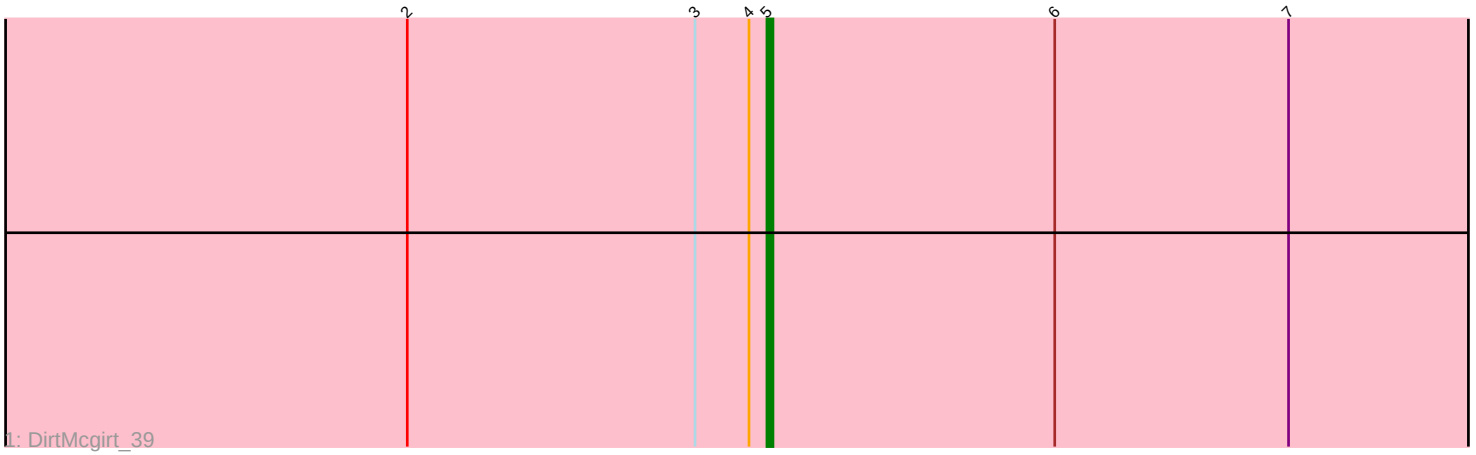
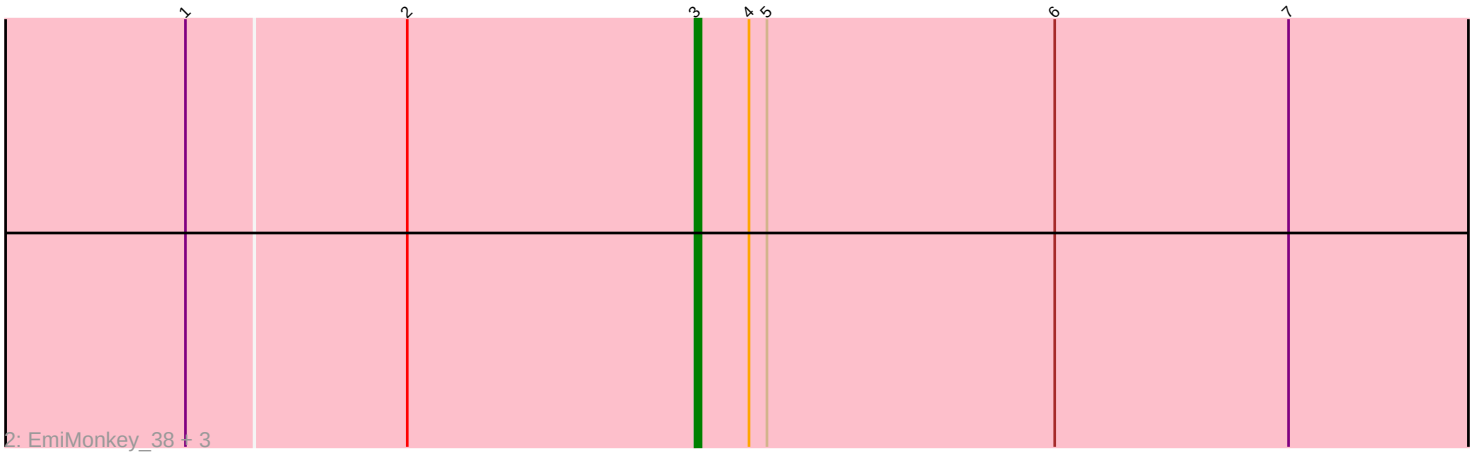
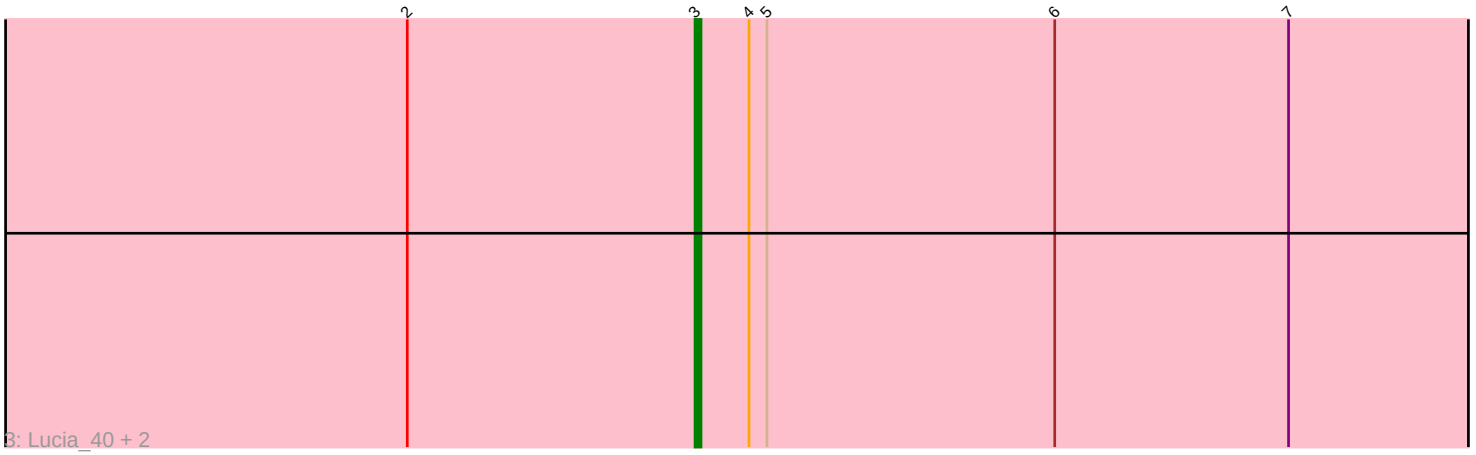
Pham 335611


2
3
4
5
6
7
1: DirtMcgirt_39


1
2
3
4
5
6
7
2: EmiMonkey_38 + 3


2
3
4
5
6
7
3: Lucia_40 + 2

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 335611 Report

This analysis was run 11/14/26 on database version 672.

Pham number 335611 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : DirtMcgirt_39
• Track 2 : EmiMonkey_38, PhlipPhlop_39, LittleShirley_41, Mantra_38
• Track 3 : Lucia_40, GigiOuiOui_38, Aubs_39

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 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aubs_39, EmiMonkey_38, GigiOuiOui_38, LittleShirley_41, Lucia_40, Mantra_38, PhlipPhlop_39,

Genes that have the "Most Annotated" start but do not call it:
• DirtMcgirt_39,

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

Summary by start number:

Start 3:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 87.5% of time when present
• Phage (with cluster) where this start called: Aubs_39 (F1), EmiMonkey_38 (F1), GigiOuiOui_38 (F1), LittleShirley_41 (F1), Lucia_40 (F1), Mantra_38 (F1), PhlipPhlop_39 (F1),

Start 5:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 12.5% of time when present
• Phage (with cluster) where this start called: DirtMcgirt_39 (F1),

Summary by clusters:

There is one cluster represented in this pham: F1

Info for manual annotations of cluster F1:
•Start number 3 was manually annotated 6 times for cluster F1.
•Start number 5 was manually annotated 1 time for cluster F1.

Gene Information:

Gene: Aubs_39 Start: 31075, Stop: 31206, Start Num: 3
Candidate Starts for Aubs_39:
(2, 31027), (Start: 3 @31075 has 6 MA's), (4, 31084), (Start: 5 @31087 has 1 MA's), (6, 31135), (7, 31174),

Gene: DirtMcgirt_39 Start: 30586, Stop: 30705, Start Num: 5
Candidate Starts for DirtMcgirt_39:
(2, 30526), (Start: 3 @30574 has 6 MA's), (4, 30583), (Start: 5 @30586 has 1 MA's), (6, 30634), (7, 30673),

Gene: EmiMonkey_38 Start: 32362, Stop: 32493, Start Num: 3
Candidate Starts for EmiMonkey_38:
(1, 32278), (2, 32314), (Start: 3 @32362 has 6 MA's), (4, 32371), (Start: 5 @32374 has 1 MA's), (6, 32422), (7, 32461),

Gene: GigiOuiOui_38 Start: 30882, Stop: 31013, Start Num: 3
Candidate Starts for GigiOuiOui_38:
(2, 30834), (Start: 3 @30882 has 6 MA's), (4, 30891), (Start: 5 @30894 has 1 MA's), (6, 30942), (7, 30981),

Gene: LittleShirley_41 Start: 32390, Stop: 32521, Start Num: 3
Candidate Starts for LittleShirley_41:
(1, 32306), (2, 32342), (Start: 3 @32390 has 6 MA's), (4, 32399), (Start: 5 @32402 has 1 MA's), (6, 32450), (7, 32489),

Gene: Lucia_40 Start: 30862, Stop: 30993, Start Num: 3
Candidate Starts for Lucia_40:
(2, 30814), (Start: 3 @30862 has 6 MA's), (4, 30871), (Start: 5 @30874 has 1 MA's), (6, 30922), (7, 30961),

Gene: Mantra_38 Start: 30848, Stop: 30979, Start Num: 3
Candidate Starts for Mantra_38:
(1, 30764), (2, 30800), (Start: 3 @30848 has 6 MA's), (4, 30857), (Start: 5 @30860 has 1 MA's), (6, 30908), (7, 30947),

Gene: PhlipPhlop_39 Start: 32362, Stop: 32493, Start Num: 3
Candidate Starts for PhlipPhlop_39:
(1, 32278), (2, 32314), (Start: 3 @32362 has 6 MA's), (4, 32371), (Start: 5 @32374 has 1 MA's), (6, 32422), (7, 32461),