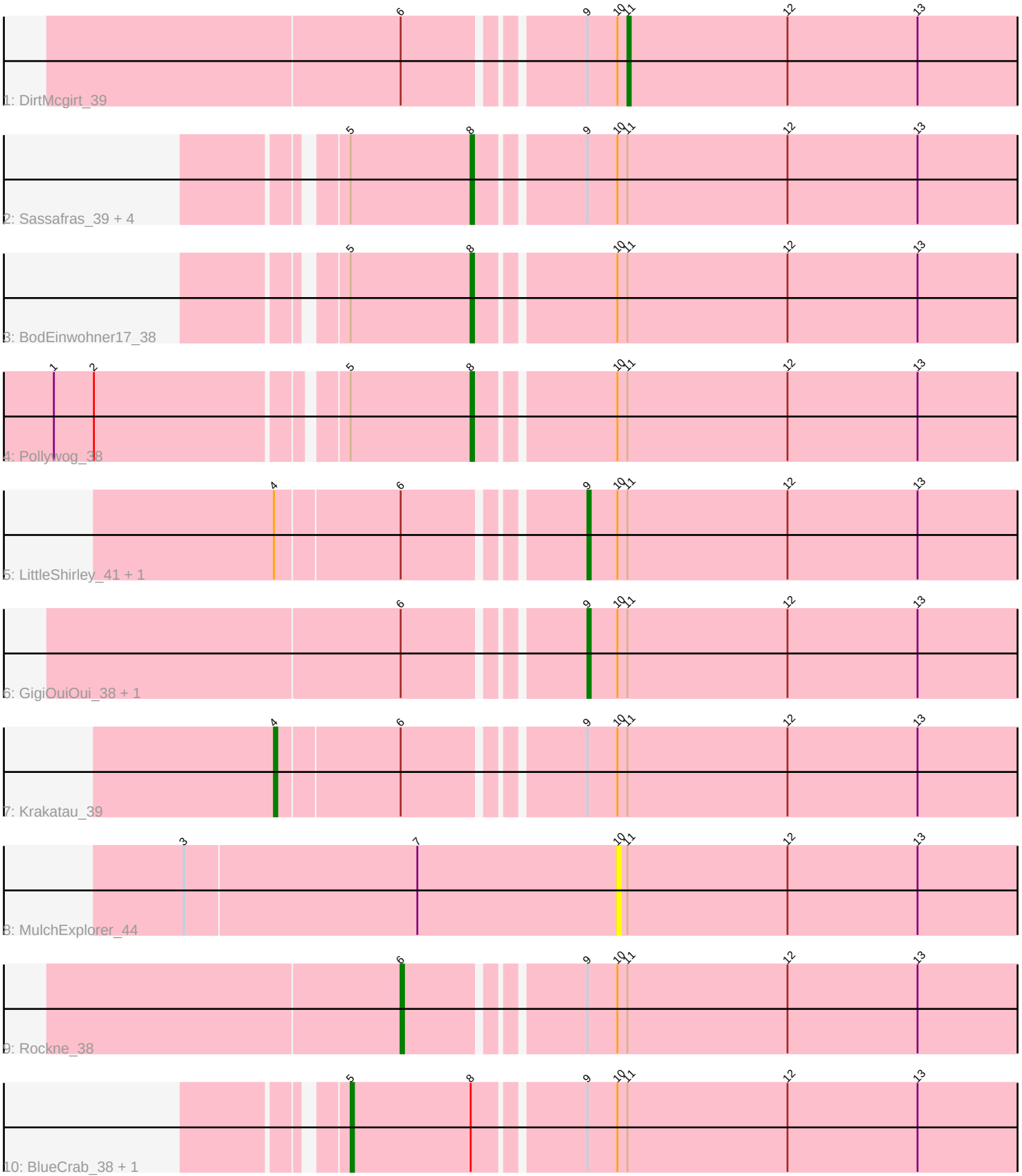
# Pham 184064


6
9
10
11
12
13
1: DirtMcgirt_39
5
8
9
10
11
12
13
2: Sassafras_39 + 4
5
8
10
11
12
13
3: BodEinwohner17_38
1
2
5
8
10
11
12
13
4: Pollywog_38
4
6
9
10
11
12
13
5: LittleShirley_41 + 1
6
9
10
11
12
13
6: GigiOuiOui_38 + 1
4
6
9
10
11
12
13
7: Krakatau_39
3
7
10
11
12
13
8: MulchExplorer_44
6
9
10
11
12
13
9: Rockne_38
5
8
9
10
11
12
13
10: BlueCrab_38 + 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 184064 Report

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

Pham number 184064 has 17 members, 3 are drafts.

Phages represented in each track:
• Track 1 : DirtMcgirt_39
• Track 2 : Sassafras_39, DaddyRickover_39, Polka14_39, IbOuu_41, Deb65_38
• Track 3 : BodEinwohner17_38
• Track 4 : Pollywog_38
• Track 5 : LittleShirley_41, Mantra_38
• Track 6 : GigiOuiOui_38, Aubs_39
• Track 7 : Krakatau_39
• Track 8 : MulchExplorer_44
• Track 9 : Rockne_38
• Track 10 : BlueCrab_38, Leozinho_40

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

The start number called the most often in the published annotations is 8, it was called in 5 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BodEinwohner17_38, DaddyRickover_39, Deb65_38, IbOuu_41, Polka14_39, Pollywog_38, Sassafras_39,

Genes that have the "Most Annotated" start but do not call it:
• BlueCrab_38, Leozinho_40,

Genes that do not have the "Most Annotated" start:
• Aubs_39, DirtMcgirt_39, GigiOuiOui_38, Krakatau_39, LittleShirley_41, Mantra_38, MulchExplorer_44, Rockne_38,

**Summary by start number:**

Start 4:
• Found in 3 of 17 ( 17.6% ) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Krakatau_39 (F1),

Start 5:
• Found in 9 of 17 ( 52.9% ) of genes in pham
• Manual Annotations of this start: 2 of 14
• Called 22.2% of time when present
• Phage (with cluster) where this start called: BlueCrab_38 (F1), Leozinho_40 (F1),

Start 6:
• Found in 7 of 17 ( 41.2% ) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 14.3% of time when present
• Phage (with cluster) where this start called: Rockne_38 (F1),

Start 8:
• Found in 9 of 17 ( 52.9% ) of genes in pham
• Manual Annotations of this start: 5 of 14
• Called 77.8% of time when present
• Phage (with cluster) where this start called: BodEinwohner17_38 (F1), DaddyRickover_39 (F1), Deb65_38 (F1), IbOuu_41 (F1), Polka14_39 (F1), Pollywog_38 (F1), Sassafras_39 (F1),

Start 9:
• Found in 14 of 17 ( 82.4% ) of genes in pham
• Manual Annotations of this start: 4 of 14
• Called 28.6% of time when present
• Phage (with cluster) where this start called: Aubs_39 (F1), GigiOuiOui_38 (F1), LittleShirley_41 (F1), Mantra_38 (F1),

Start 10:
• Found in 17 of 17 ( 100.0% ) of genes in pham
• No Manual Annotations of this start.
• Called 5.9% of time when present
• Phage (with cluster) where this start called: MulchExplorer_44 (F1),

Start 11:
• Found in 17 of 17 ( 100.0% ) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 5.9% 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 4 was manually annotated 1 time for cluster F1.
•Start number 5 was manually annotated 2 times for cluster F1.
•Start number 6 was manually annotated 1 time for cluster F1.
•Start number 8 was manually annotated 5 times for cluster F1.
•Start number 9 was manually annotated 4 times for cluster F1.
•Start number 11 was manually annotated 1 time for cluster F1.

### *Gene Information:*

Gene: Aubs_39 Start: 31075, Stop: 31206, Start Num: 9
Candidate Starts for Aubs_39:
(Start: 6 @31027 has 1 MA's), (Start: 9 @31075 has 4 MA's), (10, 31084), (Start: 11 @31087 has 1 MA's), (12, 31135), (13, 31174),

Gene: BlueCrab_38 Start: 30774, Stop: 30971, Start Num: 5
Candidate Starts for BlueCrab_38:
(Start: 5 @30774 has 2 MA's), (Start: 8 @30810 has 5 MA's), (Start: 9 @30840 has 4 MA's), (10, 30849), (Start: 11 @30852 has 1 MA's), (12, 30900), (13, 30939),

Gene: BodEinwohner17_38 Start: 31030, Stop: 31191, Start Num: 8
Candidate Starts for BodEinwohner17_38:
(Start: 5 @30994 has 2 MA's), (Start: 8 @31030 has 5 MA's), (10, 31069), (Start: 11 @31072 has 1 MA's), (12, 31120), (13, 31159),

Gene: DaddyRickover_39 Start: 30822, Stop: 30983, Start Num: 8
Candidate Starts for DaddyRickover_39:
(Start: 5 @30786 has 2 MA's), (Start: 8 @30822 has 5 MA's), (Start: 9 @30852 has 4 MA's), (10, 30861), (Start: 11 @30864 has 1 MA's), (12, 30912), (13, 30951),

Gene: Deb65_38 Start: 30644, Stop: 30805, Start Num: 8
Candidate Starts for Deb65_38:
(Start: 5 @30608 has 2 MA's), (Start: 8 @30644 has 5 MA's), (Start: 9 @30674 has 4 MA's), (10, 30683), (Start: 11 @30686 has 1 MA's), (12, 30734), (13, 30773),

Gene: DirtMcgirt_39 Start: 30586, Stop: 30705, Start Num: 11
Candidate Starts for DirtMcgirt_39:
(Start: 6 @30526 has 1 MA's), (Start: 9 @30574 has 4 MA's), (10, 30583), (Start: 11 @30586 has 1 MA's), (12, 30634), (13, 30673),

Gene: GigiOuiOui_38 Start: 30882, Stop: 31013, Start Num: 9
Candidate Starts for GigiOuiOui_38:
(Start: 6 @30834 has 1 MA's), (Start: 9 @30882 has 4 MA's), (10, 30891), (Start: 11 @30894 has 1 MA's), (12, 30942), (13, 30981),

Gene: IbOuu_41 Start: 31218, Stop: 31379, Start Num: 8
Candidate Starts for IbOuu_41:
(Start: 5 @31182 has 2 MA's), (Start: 8 @31218 has 5 MA's), (Start: 9 @31248 has 4 MA's), (10, 31257), (Start: 11 @31260 has 1 MA's), (12, 31308), (13, 31347),

Gene: Krakatau_39 Start: 31360, Stop: 31575, Start Num: 4
Candidate Starts for Krakatau_39:
(Start: 4 @31360 has 1 MA's), (Start: 6 @31396 has 1 MA's), (Start: 9 @31444 has 4 MA's), (10, 31453), (Start: 11 @31456 has 1 MA's), (12, 31504), (13, 31543),

Gene: Leozinho_40 Start: 31029, Stop: 31226, Start Num: 5
Candidate Starts for Leozinho_40:
(Start: 5 @31029 has 2 MA's), (Start: 8 @31065 has 5 MA's), (Start: 9 @31095 has 4 MA's), (10, 31104), (Start: 11 @31107 has 1 MA's), (12, 31155), (13, 31194),

Gene: LittleShirley_41 Start: 32390, Stop: 32521, Start Num: 9

Candidate Starts for LittleShirley_41:
(Start: 4 @32306 has 1 MA's), (Start: 6 @32342 has 1 MA's), (Start: 9 @32390 has 4 MA's), (10, 32399), (Start: 11 @32402 has 1 MA's), (12, 32450), (13, 32489),

Gene: Mantra_38 Start: 30848, Stop: 30979, Start Num: 9
Candidate Starts for Mantra_38:
(Start: 4 @30764 has 1 MA's), (Start: 6 @30800 has 1 MA's), (Start: 9 @30848 has 4 MA's), (10, 30857), (Start: 11 @30860 has 1 MA's), (12, 30908), (13, 30947),

Gene: MulchExplorer_44 Start: 32068, Stop: 32190, Start Num: 10
Candidate Starts for MulchExplorer_44:
(3, 31939), (7, 32008), (10, 32068), (Start: 11 @32071 has 1 MA's), (12, 32119), (13, 32158),

Gene: Polka14_39 Start: 31265, Stop: 31426, Start Num: 8
Candidate Starts for Polka14_39:
(Start: 5 @31229 has 2 MA's), (Start: 8 @31265 has 5 MA's), (Start: 9 @31295 has 4 MA's), (10, 31304), (Start: 11 @31307 has 1 MA's), (12, 31355), (13, 31394),

Gene: Pollywog_38 Start: 30974, Stop: 31135, Start Num: 8
Candidate Starts for Pollywog_38:
(1, 30857), (2, 30869), (Start: 5 @30938 has 2 MA's), (Start: 8 @30974 has 5 MA's), (10, 31013), (Start: 11 @31016 has 1 MA's), (12, 31064), (13, 31103),

Gene: Rockne_38 Start: 30683, Stop: 30862, Start Num: 6
Candidate Starts for Rockne_38:
(Start: 6 @30683 has 1 MA's), (Start: 9 @30731 has 4 MA's), (10, 30740), (Start: 11 @30743 has 1 MA's), (12, 30791), (13, 30830),

Gene: Sassafras_39 Start: 31324, Stop: 31485, Start Num: 8
Candidate Starts for Sassafras_39:
(Start: 5 @31288 has 2 MA's), (Start: 8 @31324 has 5 MA's), (Start: 9 @31354 has 4 MA's), (10, 31363), (Start: 11 @31366 has 1 MA's), (12, 31414), (13, 31453),