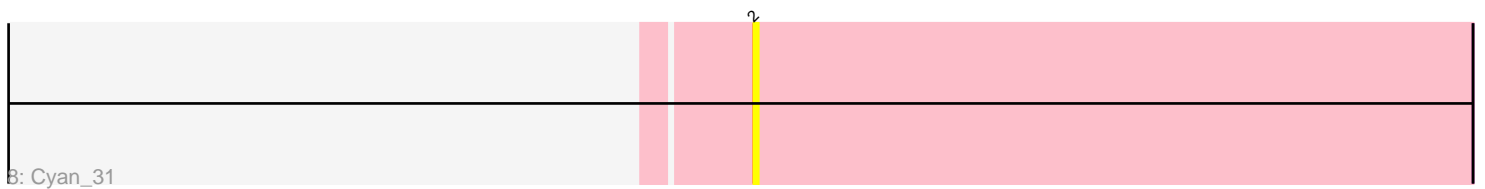
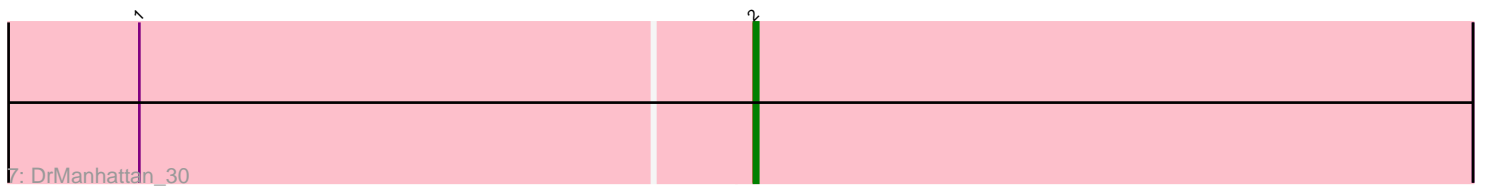
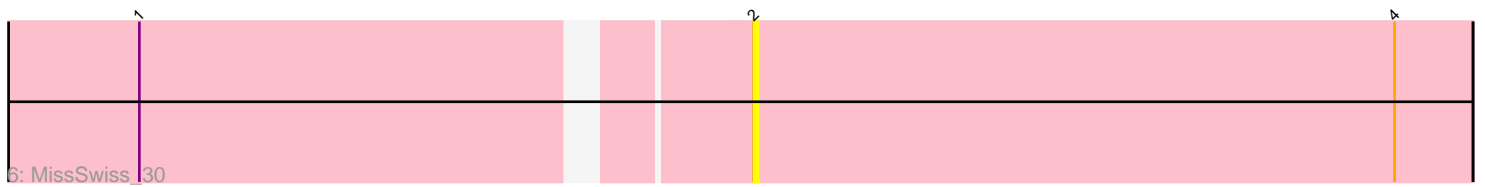
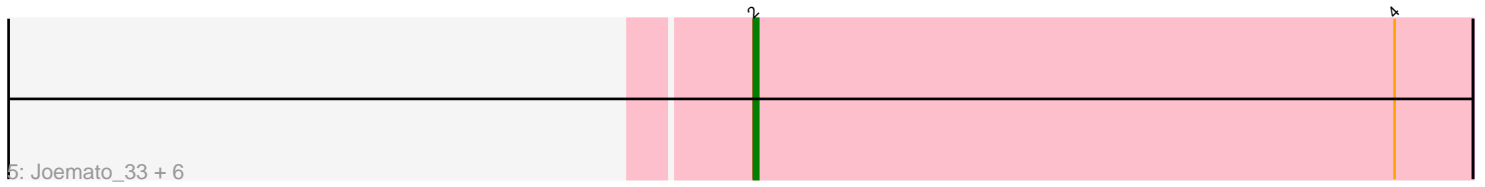
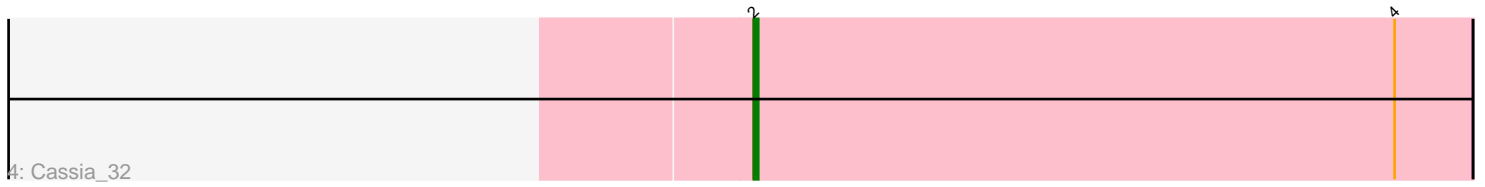
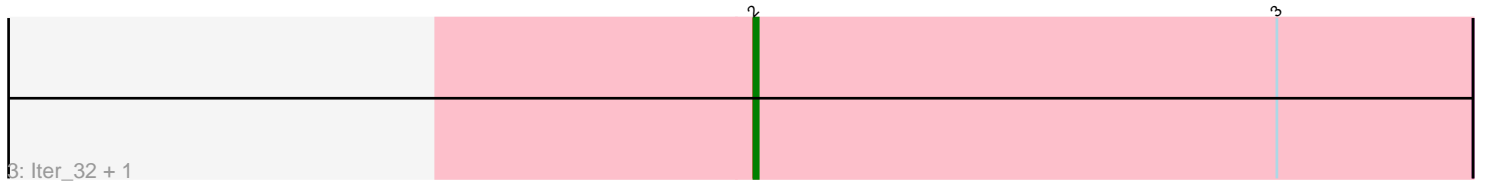
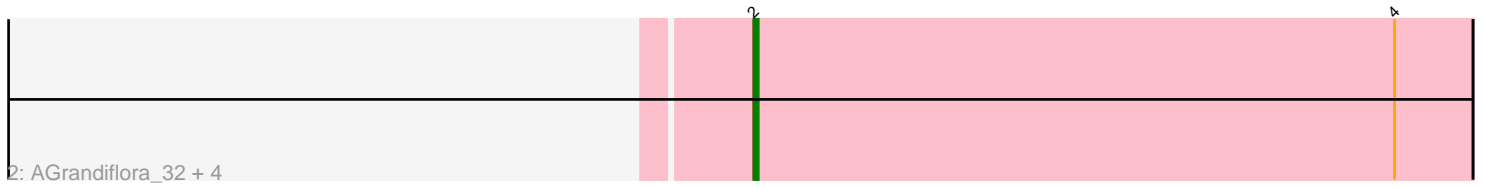
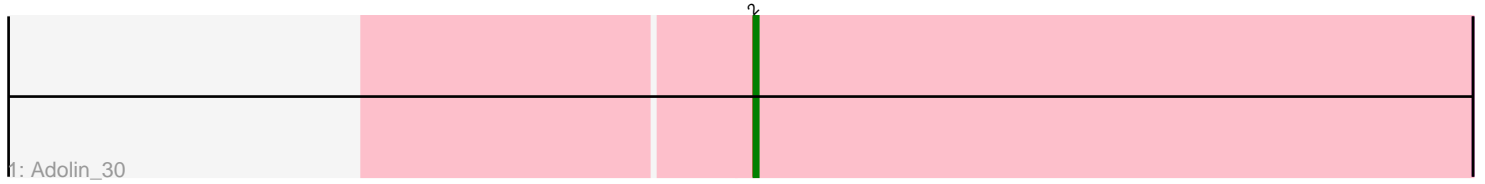


# Pham 163958



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 163958 Report

This analysis was run 04/28/24 on database version 559.

Pham number 163958 has 19 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Adolin\_30
- Track 2 : AGrandiflora\_32, JohnDoe\_31, Kaylissa\_31, Tutumahutu\_33, Lego\_31
- Track 3 : Iter\_32, Ascela\_32
- Track 4 : Cassia\_32
- Track 5 : Joemato\_33, Powerpuff\_33, ObiToo\_34, Warda\_31, Crewmate\_35, YesChef\_31, Simpson\_33
- Track 6 : MissSwiss\_30
- Track 7 : DrManhattan\_30
- Track 8 : Cyan\_31

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

The start number called the most often in the published annotations is 2, it was called in 13 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AGrandiflora\_32, Adolin\_30, Ascela\_32, Cassia\_32, Crewmate\_35, Cyan\_31, DrManhattan\_30, Iter\_32, Joemato\_33, JohnDoe\_31, Kaylissa\_31, Lego\_31, MissSwiss\_30, ObiToo\_34, Powerpuff\_33, Simpson\_33, Tutumahutu\_33, Warda\_31, YesChef\_31,

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 2:

- Found in 19 of 19 ( 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: AGrandiflora\_32 (AZ1), Adolin\_30 (AZ1), Ascela\_32 (AZ1), Cassia\_32 (AZ1), Crewmate\_35 (AZ1), Cyan\_31 (AZ1), DrManhattan\_30 (AZ1), Iter\_32 (AZ1), Joemato\_33 (AZ1), JohnDoe\_31 (AZ1), Kaylissa\_31 (AZ1), Lego\_31 (AZ1), MissSwiss\_30 (AZ1), ObiToo\_34 (AZ1), Powerpuff\_33 (AZ1), Simpson\_33 (AZ1), Tutumahutu\_33 (AZ1), Warda\_31 (AZ1), YesChef\_31 (AZ1),

### **Summary by clusters:**

There is one cluster represented in this pham: AZ1

Info for manual annotations of cluster AZ1:

- Start number 2 was manually annotated 13 times for cluster AZ1.

### **Gene Information:**

Gene: AGrandiflora\_32 Start: 24069, Stop: 24233, Start Num: 2

Candidate Starts for AGrandiflora\_32:

(Start: 2 @24069 has 13 MA's), (4, 24216),

Gene: Adolin\_30 Start: 22510, Stop: 22674, Start Num: 2

Candidate Starts for Adolin\_30:

(Start: 2 @22510 has 13 MA's),

Gene: Ascela\_32 Start: 24227, Stop: 24391, Start Num: 2

Candidate Starts for Ascela\_32:

(Start: 2 @24227 has 13 MA's), (3, 24347),

Gene: Cassia\_32 Start: 24675, Stop: 24839, Start Num: 2

Candidate Starts for Cassia\_32:

(Start: 2 @24675 has 13 MA's), (4, 24822),

Gene: Crewmate\_35 Start: 24939, Stop: 25103, Start Num: 2

Candidate Starts for Crewmate\_35:

(Start: 2 @24939 has 13 MA's), (4, 25086),

Gene: Cyan\_31 Start: 24152, Stop: 24316, Start Num: 2

Candidate Starts for Cyan\_31:

(Start: 2 @24152 has 13 MA's),

Gene: DrManhattan\_30 Start: 22500, Stop: 22664, Start Num: 2

Candidate Starts for DrManhattan\_30:

(1, 22365), (Start: 2 @22500 has 13 MA's),

Gene: Iter\_32 Start: 24226, Stop: 24390, Start Num: 2

Candidate Starts for Iter\_32:

(Start: 2 @24226 has 13 MA's), (3, 24346),

Gene: Joemato\_33 Start: 24155, Stop: 24319, Start Num: 2

Candidate Starts for Joemato\_33:

(Start: 2 @24155 has 13 MA's), (4, 24302),

Gene: JohnDoe\_31 Start: 24146, Stop: 24310, Start Num: 2  
Candidate Starts for JohnDoe\_31:  
(Start: 2 @24146 has 13 MA's), (4, 24293),

Gene: Kaylissa\_31 Start: 24118, Stop: 24282, Start Num: 2  
Candidate Starts for Kaylissa\_31:  
(Start: 2 @24118 has 13 MA's), (4, 24265),

Gene: Lego\_31 Start: 24072, Stop: 24236, Start Num: 2  
Candidate Starts for Lego\_31:  
(Start: 2 @24072 has 13 MA's), (4, 24219),

Gene: MissSwiss\_30 Start: 22553, Stop: 22717, Start Num: 2  
Candidate Starts for MissSwiss\_30:  
(1, 22427), (Start: 2 @22553 has 13 MA's), (4, 22700),

Gene: ObiToo\_34 Start: 24679, Stop: 24843, Start Num: 2  
Candidate Starts for ObiToo\_34:  
(Start: 2 @24679 has 13 MA's), (4, 24826),

Gene: Powerpuff\_33 Start: 25267, Stop: 25431, Start Num: 2  
Candidate Starts for Powerpuff\_33:  
(Start: 2 @25267 has 13 MA's), (4, 25414),

Gene: Simpson\_33 Start: 24155, Stop: 24319, Start Num: 2  
Candidate Starts for Simpson\_33:  
(Start: 2 @24155 has 13 MA's), (4, 24302),

Gene: Tutumahutu\_33 Start: 24122, Stop: 24286, Start Num: 2  
Candidate Starts for Tutumahutu\_33:  
(Start: 2 @24122 has 13 MA's), (4, 24269),

Gene: Warda\_31 Start: 24125, Stop: 24289, Start Num: 2  
Candidate Starts for Warda\_31:  
(Start: 2 @24125 has 13 MA's), (4, 24272),

Gene: YesChef\_31 Start: 24126, Stop: 24290, Start Num: 2  
Candidate Starts for YesChef\_31:  
(Start: 2 @24126 has 13 MA's), (4, 24273),