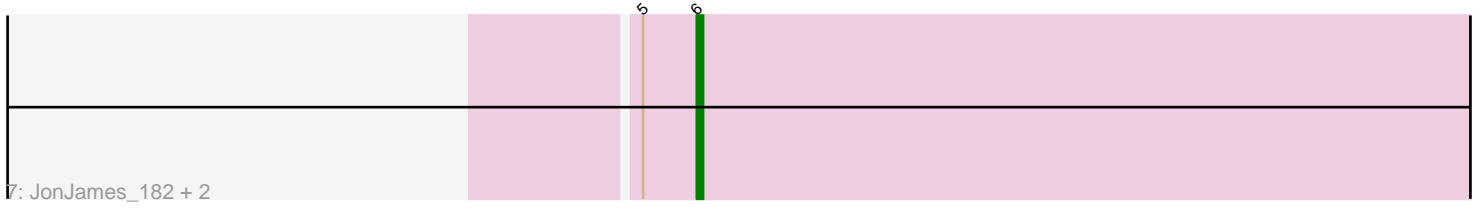
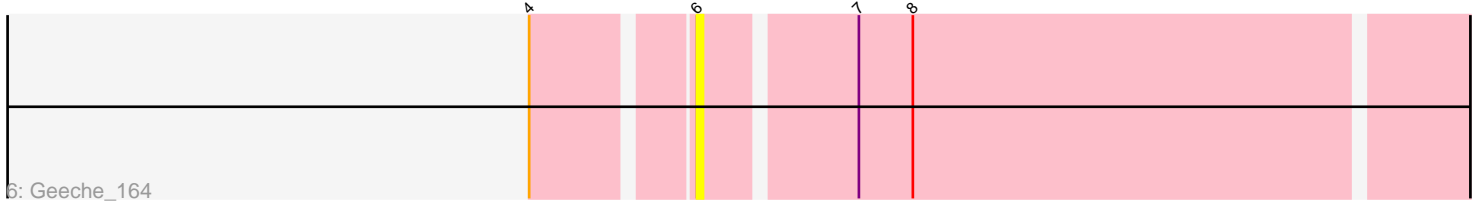
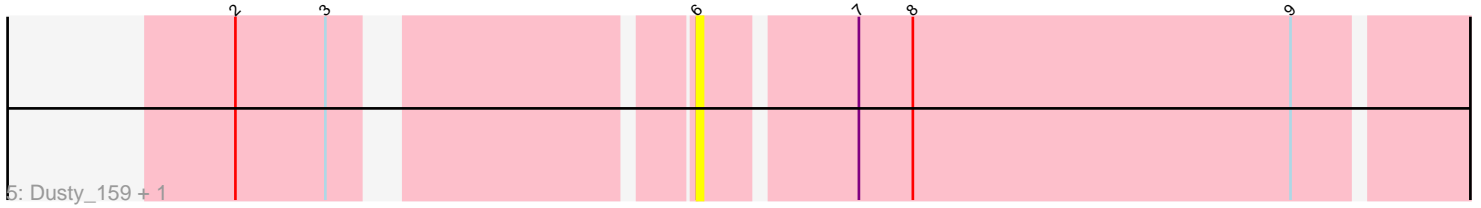
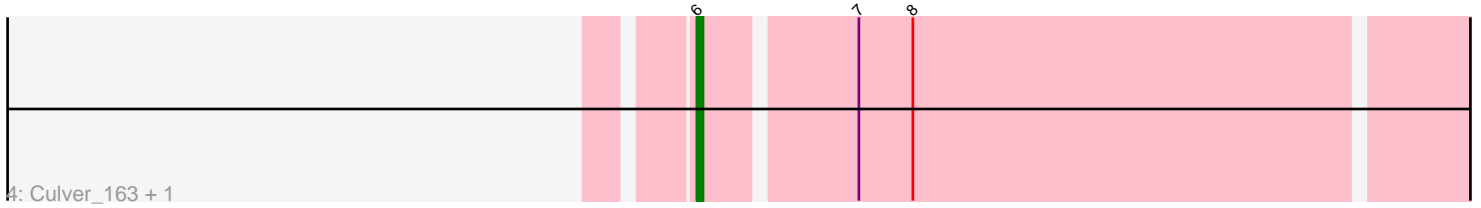
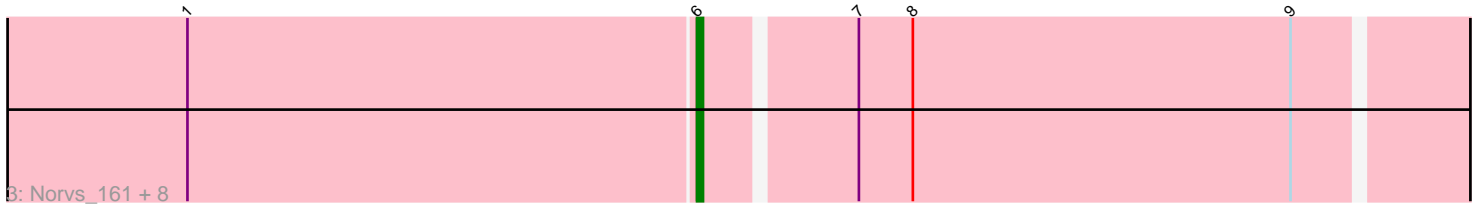
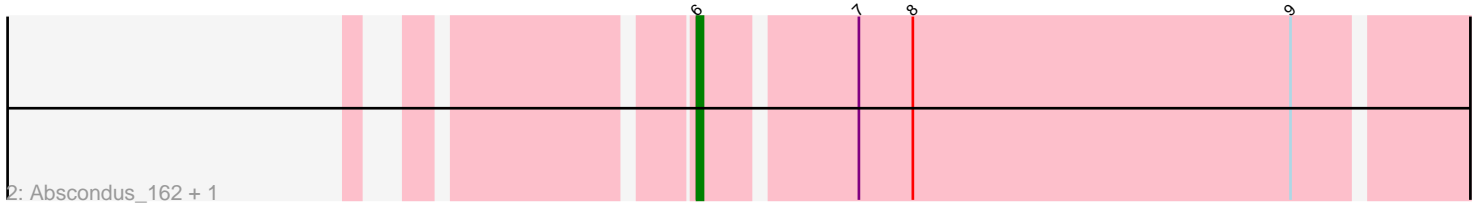
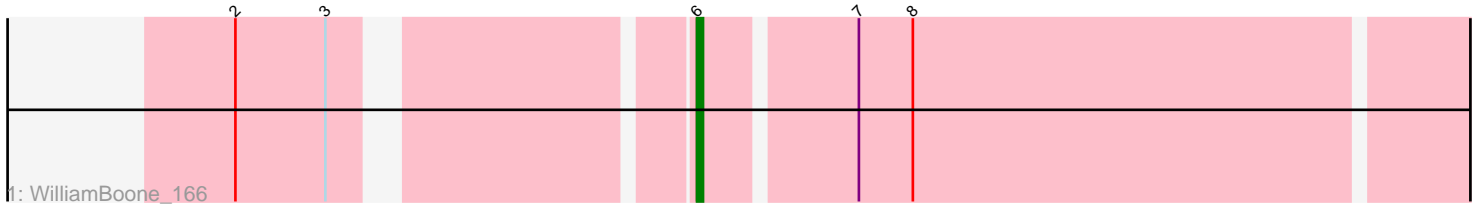


Pham 200620



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 200620 Report

This analysis was run 01/18/25 on database version 583.

Pham number 200620 has 20 members, 5 are drafts.

Phages represented in each track:

- Track 1 : WilliamBoone\_166
- Track 2 : Abscondus\_162, OneUp\_148
- Track 3 : Norvs\_161, Bachita\_166, PhinkBoden\_161, Cucurbita\_162, Lozinak\_163, ClubL\_164, Toniann\_163, Aphelion\_162, Smoothie\_165
- Track 4 : Culver\_163, Engineer\_165
- Track 5 : Dusty\_159, Miskis\_162
- Track 6 : Geeche\_164
- Track 7 : JonJames\_182, Cardigan\_188, Yvonnestic\_182

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

The start number called the most often in the published annotations is 6, it was called in 15 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abscondus\_162, Aphelion\_162, Bachita\_166, Cardigan\_188, ClubL\_164, Cucurbita\_162, Culver\_163, Dusty\_159, Engineer\_165, Geeche\_164, JonJames\_182, Lozinak\_163, Miskis\_162, Norvs\_161, OneUp\_148, PhinkBoden\_161, Smoothie\_165, Toniann\_163, WilliamBoone\_166, Yvonnestic\_182,

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 6:

- Found in 20 of 20 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 15 of 15
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Abscondus\_162 (CQ1), Aphelion\_162 (CQ1), Bachita\_166 (CQ1), Cardigan\_188 (DD), ClubL\_164 (CQ1), Cucurbita\_162 (CQ1), Culver\_163 (CQ1), Dusty\_159 (CQ1), Engineer\_165 (CQ1), Geeche\_164 (CQ1), JonJames\_182 (DD), Lozinak\_163 (CQ1), Miskis\_162 (CQ1), Norvs\_161 (CQ1), OneUp\_148 (CQ2), PhinkBoden\_161 (CQ1), Smoothie\_165 (CQ1), Toniann\_163 (CQ1), WilliamBoone\_166 (CQ1), Yvonnetastic\_182 (DD),

### **Summary by clusters:**

There are 3 clusters represented in this pham: CQ2, DD, CQ1,

Info for manual annotations of cluster CQ1:

- Start number 6 was manually annotated 12 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 6 was manually annotated 1 time for cluster CQ2.

Info for manual annotations of cluster DD:

- Start number 6 was manually annotated 2 times for cluster DD.

### **Gene Information:**

Gene: Abscondus\_162 Start: 84649, Stop: 84503, Start Num: 6

Candidate Starts for Abscondus\_162:

(Start: 6 @84649 has 15 MA's), (7, 84625), (8, 84616), (9, 84553),

Gene: Aphelion\_162 Start: 85605, Stop: 85459, Start Num: 6

Candidate Starts for Aphelion\_162:

(1, 85689), (Start: 6 @85605 has 15 MA's), (7, 85581), (8, 85572), (9, 85509),

Gene: Bachita\_166 Start: 85683, Stop: 85537, Start Num: 6

Candidate Starts for Bachita\_166:

(1, 85767), (Start: 6 @85683 has 15 MA's), (7, 85659), (8, 85650), (9, 85587),

Gene: Cardigan\_188 Start: 93413, Stop: 93258, Start Num: 6

Candidate Starts for Cardigan\_188:

(5, 93422), (Start: 6 @93413 has 15 MA's),

Gene: ClubL\_164 Start: 84926, Stop: 84780, Start Num: 6

Candidate Starts for ClubL\_164:

(1, 85010), (Start: 6 @84926 has 15 MA's), (7, 84902), (8, 84893), (9, 84830),

Gene: Cucurbita\_162 Start: 85987, Stop: 85841, Start Num: 6

Candidate Starts for Cucurbita\_162:

(1, 86071), (Start: 6 @85987 has 15 MA's), (7, 85963), (8, 85954), (9, 85891),

Gene: Culver\_163 Start: 84156, Stop: 84010, Start Num: 6

Candidate Starts for Culver\_163:

(Start: 6 @84156 has 15 MA's), (7, 84132), (8, 84123),

Gene: Dusty\_159 Start: 84473, Stop: 84327, Start Num: 6

Candidate Starts for Dusty\_159:  
(2, 84539), (3, 84524), (Start: 6 @84473 has 15 MA's), (7, 84449), (8, 84440), (9, 84377),

Gene: Engineer\_165 Start: 85558, Stop: 85409, Start Num: 6  
Candidate Starts for Engineer\_165:  
(Start: 6 @85558 has 15 MA's), (7, 85534), (8, 85525),

Gene: Geeche\_164 Start: 85099, Stop: 84950, Start Num: 6  
Candidate Starts for Geeche\_164:  
(4, 85123), (Start: 6 @85099 has 15 MA's), (7, 85075), (8, 85066),

Gene: JonJames\_182 Start: 94333, Stop: 94178, Start Num: 6  
Candidate Starts for JonJames\_182:  
(5, 94342), (Start: 6 @94333 has 15 MA's),

Gene: Lozinak\_163 Start: 85530, Stop: 85384, Start Num: 6  
Candidate Starts for Lozinak\_163:  
(1, 85614), (Start: 6 @85530 has 15 MA's), (7, 85506), (8, 85497), (9, 85434),

Gene: Miskis\_162 Start: 84354, Stop: 84208, Start Num: 6  
Candidate Starts for Miskis\_162:  
(2, 84420), (3, 84405), (Start: 6 @84354 has 15 MA's), (7, 84330), (8, 84321), (9, 84258),

Gene: Norvs\_161 Start: 84706, Stop: 84560, Start Num: 6  
Candidate Starts for Norvs\_161:  
(1, 84790), (Start: 6 @84706 has 15 MA's), (7, 84682), (8, 84673), (9, 84610),

Gene: OneUp\_148 Start: 84410, Stop: 84264, Start Num: 6  
Candidate Starts for OneUp\_148:  
(Start: 6 @84410 has 15 MA's), (7, 84386), (8, 84377), (9, 84314),

Gene: PhinkBoden\_161 Start: 85104, Stop: 84958, Start Num: 6  
Candidate Starts for PhinkBoden\_161:  
(1, 85188), (Start: 6 @85104 has 15 MA's), (7, 85080), (8, 85071), (9, 85008),

Gene: Smoothie\_165 Start: 85402, Stop: 85256, Start Num: 6  
Candidate Starts for Smoothie\_165:  
(1, 85486), (Start: 6 @85402 has 15 MA's), (7, 85378), (8, 85369), (9, 85306),

Gene: Toniann\_163 Start: 84847, Stop: 84701, Start Num: 6  
Candidate Starts for Toniann\_163:  
(1, 84931), (Start: 6 @84847 has 15 MA's), (7, 84823), (8, 84814), (9, 84751),

Gene: WilliamBoone\_166 Start: 83511, Stop: 83365, Start Num: 6  
Candidate Starts for WilliamBoone\_166:  
(2, 83577), (3, 83562), (Start: 6 @83511 has 15 MA's), (7, 83487), (8, 83478),

Gene: Yvonnetastic\_182 Start: 91232, Stop: 91077, Start Num: 6  
Candidate Starts for Yvonnetastic\_182:  
(5, 91241), (Start: 6 @91232 has 15 MA's),