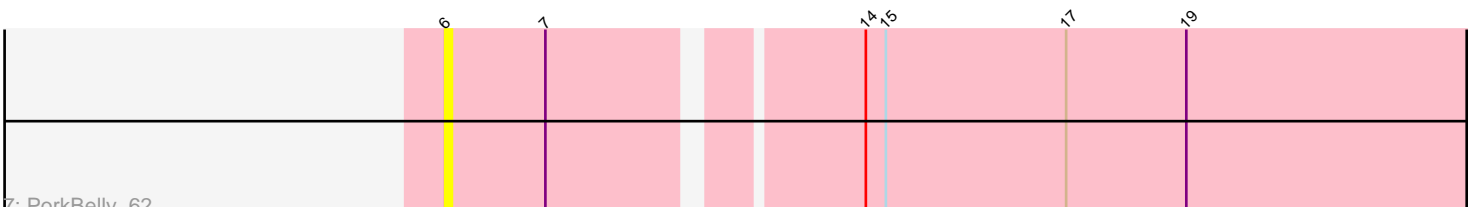
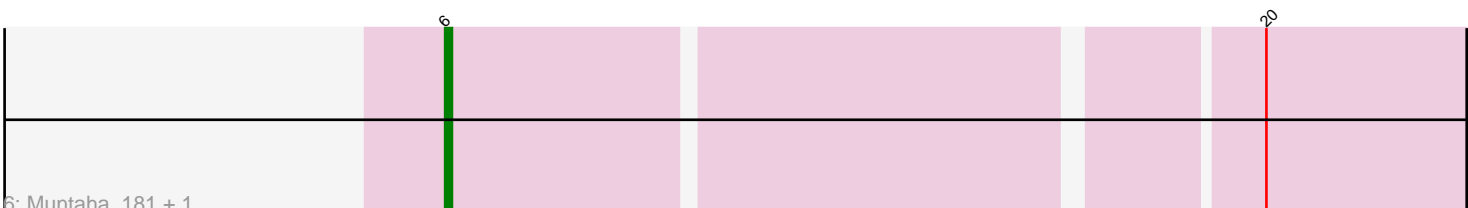
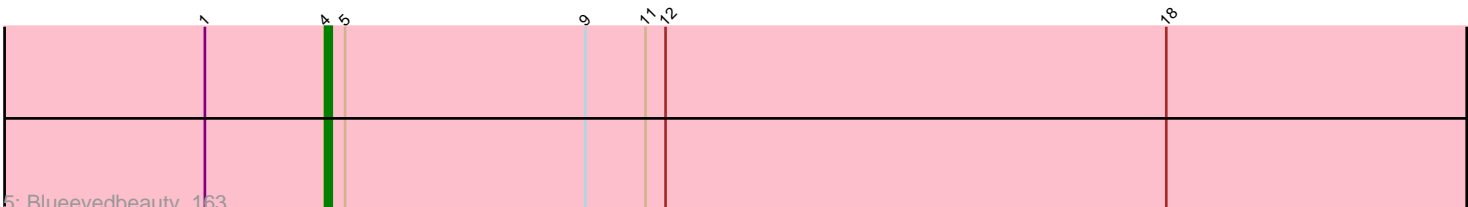
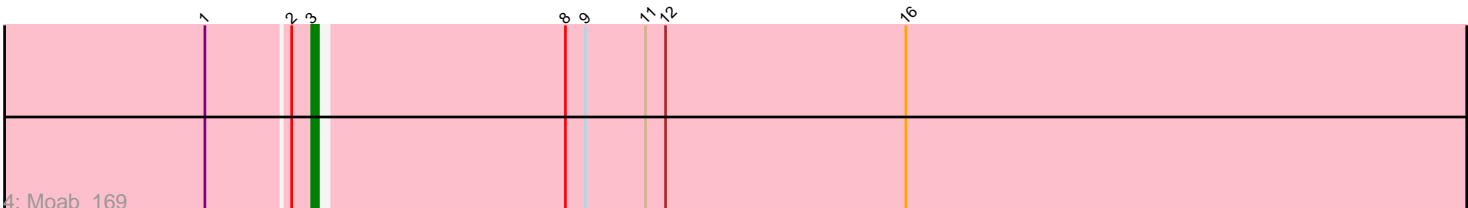
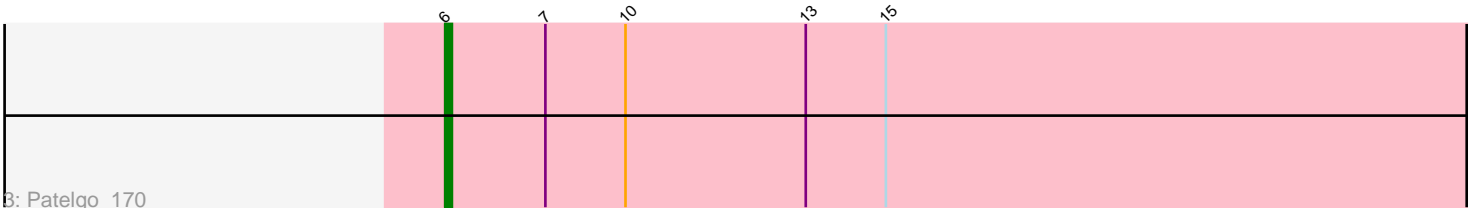
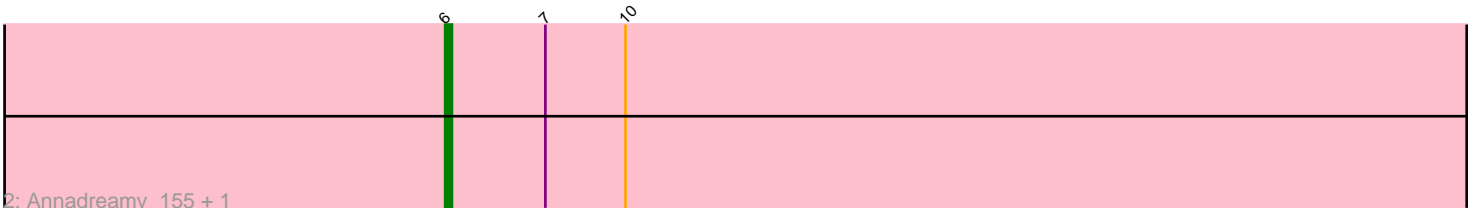


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Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. 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 256280 Report

This analysis was run 02/07/26 on database version 634.

Pham number 256280 has 16 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Gilson\_171, Kenrey\_175, Maupel\_172, SparkleGoddess\_167, Phredrick\_173, Emma1919\_172, MeganTheeKilla\_171, DeluluLabubu\_176
- Track 2 : Annadreamy\_155, Limpid\_162
- Track 3 : Patelgo\_170
- Track 4 : Moab\_169
- Track 5 : Blueeyedbeauty\_163
- Track 6 : Muntaha\_181, Wakanda\_179
- Track 7 : PorkBelly\_62

### ***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 11 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Annadreamy\_155, DeluluLabubu\_176, Emma1919\_172, Gilson\_171, Kenrey\_175, Limpid\_162, Maupel\_172, MeganTheeKilla\_171, Muntaha\_181, Patelgo\_170, Phredrick\_173, PorkBelly\_62, SparkleGoddess\_167, Wakanda\_179,

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

- 

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

- Blueeyedbeauty\_163, Moab\_169,

### **Summary by start number:**

Start 3:

- Found in 1 of 16 ( 6.2% ) of genes in pham
- Manual Annotations of this start: 1 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Moab\_169 (BK1),

Start 4:

- Found in 1 of 16 ( 6.2% ) of genes in pham
- Manual Annotations of this start: 1 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Blueeyedbeauty\_163 (BK1),

Start 6:

- Found in 14 of 16 ( 87.5% ) of genes in pham
- Manual Annotations of this start: 11 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Annadreamy\_155 (BK1), DeluluLabubu\_176 (BK1), Emma1919\_172 (BK1), Gilson\_171 (BK1), Kenrey\_175 (BK1), Limpid\_162 (BK1), Maupel\_172 (BK1), MeganTheeKilla\_171 (BK1), Muntaha\_181 (BK2), Patelgo\_170 (BK1), Phredrick\_173 (BK1), PorkBelly\_62 (FJ), SparkleGoddess\_167 (BK1), Wakanda\_179 (BK2),

### **Summary by clusters:**

There are 3 clusters represented in this pham: FJ, BK1, BK2,

Info for manual annotations of cluster BK1:

- Start number 3 was manually annotated 1 time for cluster BK1.
- Start number 4 was manually annotated 1 time for cluster BK1.
- Start number 6 was manually annotated 9 times for cluster BK1.

Info for manual annotations of cluster BK2:

- Start number 6 was manually annotated 2 times for cluster BK2.

### **Gene Information:**

Gene: Annadreamy\_155 Start: 86035, Stop: 86196, Start Num: 6

Candidate Starts for Annadreamy\_155:

(Start: 6 @86035 has 11 MA's), (7, 86050), (10, 86062),

Gene: Blueeyedbeauty\_163 Start: 89793, Stop: 89969, Start Num: 4

Candidate Starts for Blueeyedbeauty\_163:

(1, 89775), (Start: 4 @89793 has 1 MA's), (5, 89796), (9, 89832), (11, 89841), (12, 89844), (18, 89919),

Gene: DeluluLabubu\_176 Start: 92914, Stop: 93072, Start Num: 6

Candidate Starts for DeluluLabubu\_176:

(Start: 6 @92914 has 11 MA's), (7, 92929), (10, 92941),

Gene: Emma1919\_172 Start: 90967, Stop: 91125, Start Num: 6

Candidate Starts for Emma1919\_172:

(Start: 6 @90967 has 11 MA's), (7, 90982), (10, 90994),

Gene: Gilson\_171 Start: 90929, Stop: 91087, Start Num: 6

Candidate Starts for Gilson\_171:

(Start: 6 @90929 has 11 MA's), (7, 90944), (10, 90956),

Gene: Kenrey\_175 Start: 92276, Stop: 92434, Start Num: 6

Candidate Starts for Kenrey\_175:  
(Start: 6 @92276 has 11 MA's), (7, 92291), (10, 92303),

Gene: Limpid\_162 Start: 91348, Stop: 91509, Start Num: 6  
Candidate Starts for Limpid\_162:  
(Start: 6 @91348 has 11 MA's), (7, 91363), (10, 91375),

Gene: Maupel\_172 Start: 90929, Stop: 91087, Start Num: 6  
Candidate Starts for Maupel\_172:  
(Start: 6 @90929 has 11 MA's), (7, 90944), (10, 90956),

Gene: MeganTheeKilla\_171 Start: 90998, Stop: 91156, Start Num: 6  
Candidate Starts for MeganTheeKilla\_171:  
(Start: 6 @90998 has 11 MA's), (7, 91013), (10, 91025),

Gene: Moab\_169 Start: 93479, Stop: 93655, Start Num: 3  
Candidate Starts for Moab\_169:  
(1, 93464), (2, 93476), (Start: 3 @93479 has 1 MA's), (8, 93515), (9, 93518), (11, 93527), (12, 93530),  
(16, 93566),

Gene: Muntaha\_181 Start: 94020, Stop: 94169, Start Num: 6  
Candidate Starts for Muntaha\_181:  
(Start: 6 @94020 has 11 MA's), (20, 94134),

Gene: Patelgo\_170 Start: 93953, Stop: 94111, Start Num: 6  
Candidate Starts for Patelgo\_170:  
(Start: 6 @93953 has 11 MA's), (7, 93968), (10, 93980), (13, 94007), (15, 94019),

Gene: Phredrick\_173 Start: 90900, Stop: 91058, Start Num: 6  
Candidate Starts for Phredrick\_173:  
(Start: 6 @90900 has 11 MA's), (7, 90915), (10, 90927),

Gene: PorkBelly\_62 Start: 47062, Stop: 47214, Start Num: 6  
Candidate Starts for PorkBelly\_62:  
(Start: 6 @47062 has 11 MA's), (7, 47077), (14, 47119), (15, 47122), (17, 47149), (19, 47167),

Gene: SparkleGoddess\_167 Start: 92270, Stop: 92428, Start Num: 6  
Candidate Starts for SparkleGoddess\_167:  
(Start: 6 @92270 has 11 MA's), (7, 92285), (10, 92297),

Gene: Wakanda\_179 Start: 93700, Stop: 93849, Start Num: 6  
Candidate Starts for Wakanda\_179:  
(Start: 6 @93700 has 11 MA's), (20, 93814),