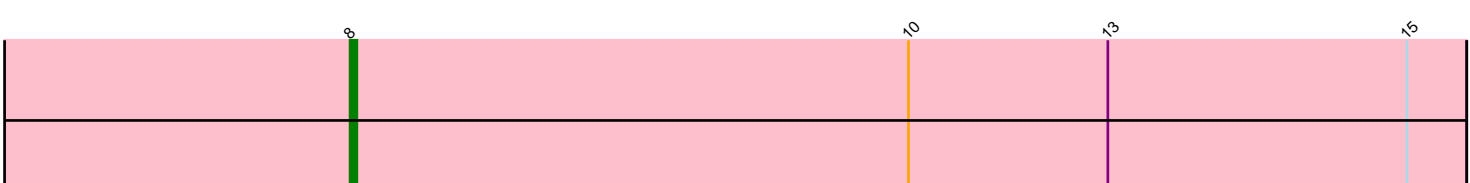
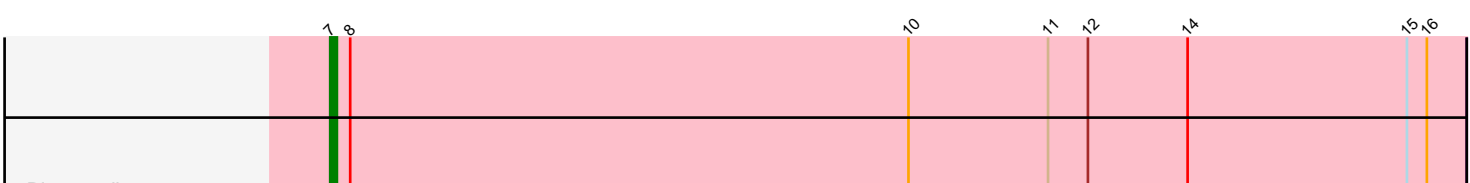
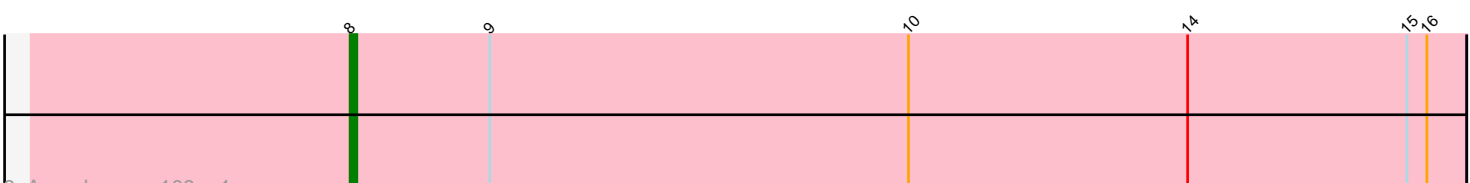
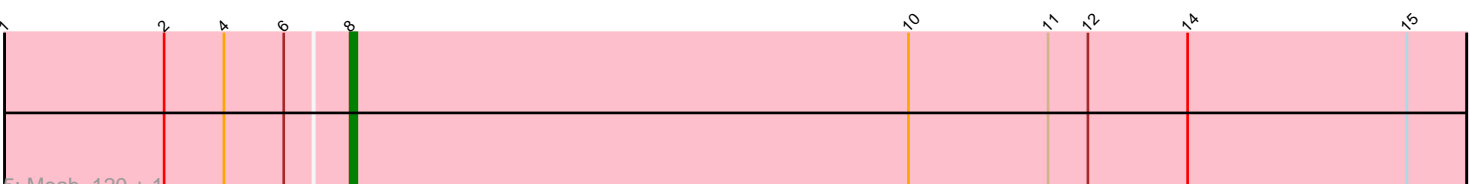
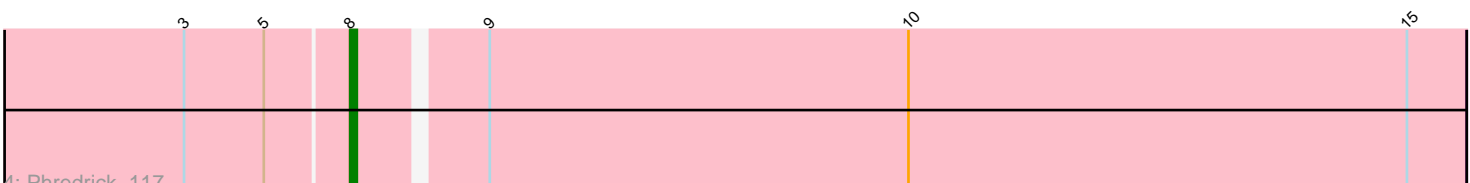
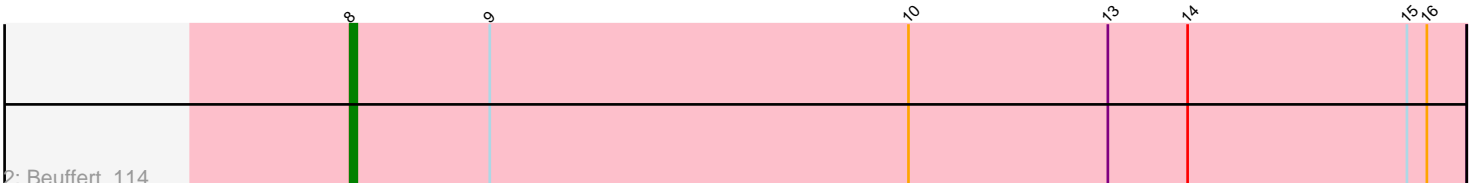


Pham 4945



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 4945 Report

This analysis was run 04/05/24 on database version 557.

Pham number 4945 has 15 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Sham\_114, TunaTartare\_118
- Track 2 : Beuffert\_114
- Track 3 : Comrade\_114, Karp\_114, Belfort\_118, Stigma\_116, SparkleGoddess\_116
- Track 4 : Phredrick\_117
- Track 5 : Moab\_120, Patelgo\_121
- Track 6 : Annadreamy\_108, Limpid\_115
- Track 7 : Blueeyedbeauty\_115
- Track 8 : Kenrey\_120

### ***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 9 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Annadreamy\_108, Beuffert\_114, Kenrey\_120, Limpid\_115, Moab\_120, Patelgo\_121, Phredrick\_117, Sham\_114, TunaTartare\_118,

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

- Blueeyedbeauty\_115,

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

- Belfort\_118, Comrade\_114, Karp\_114, SparkleGoddess\_116, Stigma\_116,

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

Start 7:

- Found in 6 of 15 ( 40.0% ) of genes in pham
- Manual Annotations of this start: 6 of 15
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Belfort\_118 (BK1), Blueeyedbeauty\_115 (BK1), Comrade\_114 (BK1), Karp\_114 (BK1), SparkleGoddess\_116 (BK1), Stigma\_116 (BK1),

Start 8:

- Found in 10 of 15 ( 66.7% ) of genes in pham
- Manual Annotations of this start: 9 of 15
- Called 90.0% of time when present
- Phage (with cluster) where this start called: Annadreamy\_108 (BK1), Beuffert\_114 (BK1), Kenrey\_120 (BK1), Limpid\_115 (BK1), Moab\_120 (BK1), Patelgo\_121 (BK1), Phredrick\_117 (BK1), Sham\_114 (BK1), TunaTartare\_118 (BK1),

### **Summary by clusters:**

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:

- Start number 7 was manually annotated 6 times for cluster BK1.
- Start number 8 was manually annotated 9 times for cluster BK1.

### **Gene Information:**

Gene: Annadreamy\_108 Start: 69903, Stop: 70070, Start Num: 8

Candidate Starts for Annadreamy\_108:

(Start: 8 @69903 has 9 MA's), (9, 69924), (10, 69987), (14, 70029), (15, 70062), (16, 70065),

Gene: Belfort\_118 Start: 75730, Stop: 75900, Start Num: 7

Candidate Starts for Belfort\_118:

(Start: 7 @75730 has 6 MA's), (9, 75754), (10, 75817), (15, 75892), (16, 75895),

Gene: Beuffert\_114 Start: 74726, Stop: 74893, Start Num: 8

Candidate Starts for Beuffert\_114:

(Start: 8 @74726 has 9 MA's), (9, 74747), (10, 74810), (13, 74840), (14, 74852), (15, 74885), (16, 74888),

Gene: Blueeyedbeauty\_115 Start: 73013, Stop: 73183, Start Num: 7

Candidate Starts for Blueeyedbeauty\_115:

(Start: 7 @73013 has 6 MA's), (Start: 8 @73016 has 9 MA's), (10, 73100), (11, 73121), (12, 73127), (14, 73142), (15, 73175), (16, 73178),

Gene: Comrade\_114 Start: 75048, Stop: 75218, Start Num: 7

Candidate Starts for Comrade\_114:

(Start: 7 @75048 has 6 MA's), (9, 75072), (10, 75135), (15, 75210), (16, 75213),

Gene: Karp\_114 Start: 75019, Stop: 75189, Start Num: 7

Candidate Starts for Karp\_114:

(Start: 7 @75019 has 6 MA's), (9, 75043), (10, 75106), (15, 75181), (16, 75184),

Gene: Kenrey\_120 Start: 75511, Stop: 75678, Start Num: 8

Candidate Starts for Kenrey\_120:

(Start: 8 @75511 has 9 MA's), (10, 75595), (13, 75625), (15, 75670),

Gene: Limpid\_115 Start: 75146, Stop: 75313, Start Num: 8

Candidate Starts for Limpid\_115:

(Start: 8 @75146 has 9 MA's), (9, 75167), (10, 75230), (14, 75272), (15, 75305), (16, 75308),

Gene: Moab\_120 Start: 77190, Stop: 77357, Start Num: 8

Candidate Starts for Moab\_120:

(1, 77139), (2, 77163), (4, 77172), (6, 77181), (Start: 8 @77190 has 9 MA's), (10, 77274), (11, 77295), (12, 77301), (14, 77316), (15, 77349),

Gene: Patelgo\_121 Start: 77050, Stop: 77217, Start Num: 8

Candidate Starts for Patelgo\_121:

(1, 76999), (2, 77023), (4, 77032), (6, 77041), (Start: 8 @77050 has 9 MA's), (10, 77134), (11, 77155), (12, 77161), (14, 77176), (15, 77209),

Gene: Phredrick\_117 Start: 73781, Stop: 73945, Start Num: 8

Candidate Starts for Phredrick\_117:

(3, 73757), (5, 73769), (Start: 8 @73781 has 9 MA's), (9, 73799), (10, 73862), (15, 73937),

Gene: Sham\_114 Start: 75039, Stop: 75206, Start Num: 8

Candidate Starts for Sham\_114:

(4, 75021), (6, 75030), (Start: 8 @75039 has 9 MA's), (10, 75123), (15, 75198),

Gene: SparkleGoddess\_116 Start: 75348, Stop: 75518, Start Num: 7

Candidate Starts for SparkleGoddess\_116:

(Start: 7 @75348 has 6 MA's), (9, 75372), (10, 75435), (15, 75510), (16, 75513),

Gene: Stigma\_116 Start: 75356, Stop: 75526, Start Num: 7

Candidate Starts for Stigma\_116:

(Start: 7 @75356 has 6 MA's), (9, 75380), (10, 75443), (15, 75518), (16, 75521),

Gene: TunaTartare\_118 Start: 76767, Stop: 76934, Start Num: 8

Candidate Starts for TunaTartare\_118:

(4, 76749), (6, 76758), (Start: 8 @76767 has 9 MA's), (10, 76851), (15, 76926),