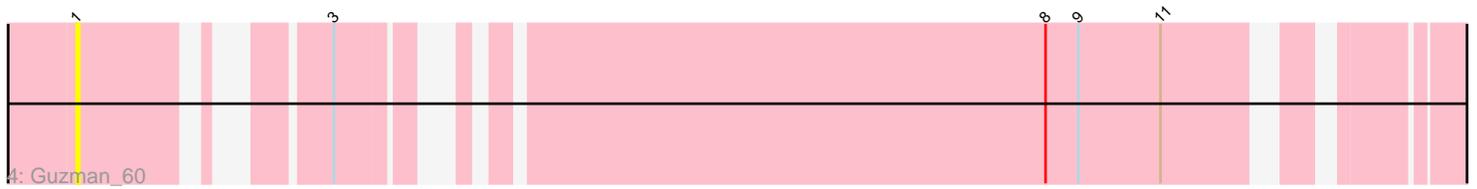
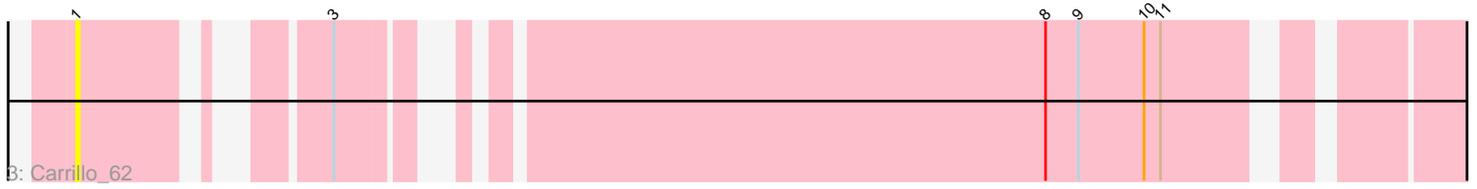
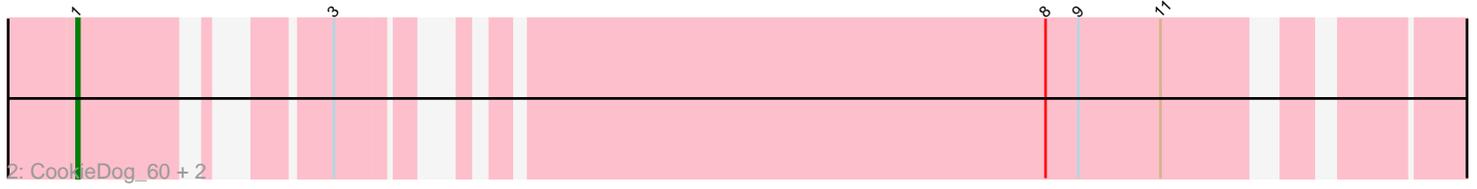


# Zoomed Pham 286115



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 286115 Report

This analysis was run 03/28/26 on database version 641.

Pham number 286115 has 10 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Phingu\_63
- Track 2 : CookieDog\_60, Losacky\_62, Dropshot\_60
- Track 3 : Carrillo\_62
- Track 4 : Guzman\_60
- Track 5 : Blett\_60
- Track 6 : Pickles13\_61
- Track 7 : Winchester007\_7
- Track 8 : Jakelyne\_63

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

The start number called the most often in the published annotations is 1, it was called in 5 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Blett\_60, Carrillo\_62, CookieDog\_60, Dropshot\_60, Guzman\_60, Jakelyne\_63, Losacky\_62, Phingu\_63, Pickles13\_61, Winchester007\_7,

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 1:

- Found in 10 of 10 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 5 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Blett\_60 (GA), Carrillo\_62 (GA), CookieDog\_60 (GA), Dropshot\_60 (GA), Guzman\_60 (GA), Jakelyne\_63 (GA), Losacky\_62 (GA), Phingu\_63 (GA), Pickles13\_61 (GA), Winchester007\_7 (GA),

## Summary by clusters:

There is one cluster represented in this pham: GA

Info for manual annotations of cluster GA:

•Start number 1 was manually annotated 5 times for cluster GA.

### **Gene Information:**

Gene: Blett\_60 Start: 35553, Stop: 36365, Start Num: 1

Candidate Starts for Blett\_60:

(Start: 1 @35553 has 5 MA's), (3, 35619), (8, 35847), (9, 35859), (11, 35889), (13, 36024), (17, 36183), (20, 36360),

Gene: Carrillo\_62 Start: 35475, Stop: 36287, Start Num: 1

Candidate Starts for Carrillo\_62:

(Start: 1 @35475 has 5 MA's), (3, 35541), (8, 35769), (9, 35781), (10, 35805), (11, 35811), (17, 36105), (20, 36282),

Gene: CookieDog\_60 Start: 35482, Stop: 36294, Start Num: 1

Candidate Starts for CookieDog\_60:

(Start: 1 @35482 has 5 MA's), (3, 35548), (8, 35776), (9, 35788), (11, 35818), (17, 36112),

Gene: Dropshot\_60 Start: 35194, Stop: 36006, Start Num: 1

Candidate Starts for Dropshot\_60:

(Start: 1 @35194 has 5 MA's), (3, 35260), (8, 35488), (9, 35500), (11, 35530), (17, 35824),

Gene: Guzman\_60 Start: 35426, Stop: 36235, Start Num: 1

Candidate Starts for Guzman\_60:

(Start: 1 @35426 has 5 MA's), (3, 35492), (8, 35720), (9, 35732), (11, 35762), (17, 36053), (20, 36230),

Gene: Jakelyne\_63 Start: 35569, Stop: 36381, Start Num: 1

Candidate Starts for Jakelyne\_63:

(Start: 1 @35569 has 5 MA's), (3, 35635), (8, 35863), (9, 35875), (11, 35905), (15, 36106), (17, 36199),

Gene: Losacky\_62 Start: 35734, Stop: 36546, Start Num: 1

Candidate Starts for Losacky\_62:

(Start: 1 @35734 has 5 MA's), (3, 35800), (8, 36028), (9, 36040), (11, 36070), (17, 36364),

Gene: Phingu\_63 Start: 35588, Stop: 36391, Start Num: 1

Candidate Starts for Phingu\_63:

(Start: 1 @35588 has 5 MA's), (3, 35654), (8, 35882), (9, 35894), (11, 35924), (13, 36050), (17, 36209), (18, 36272), (20, 36386),

Gene: Pickles13\_61 Start: 36268, Stop: 37161, Start Num: 1

Candidate Starts for Pickles13\_61:

(Start: 1 @36268 has 5 MA's), (2, 36280), (4, 36382), (5, 36403), (6, 36571), (7, 36601), (8, 36622), (9, 36634), (12, 36748), (14, 36841), (16, 36967), (19, 37084),

Gene: Winchester007\_7 Start: 2630, Stop: 3442, Start Num: 1

Candidate Starts for Winchester007\_7:

(Start: 1 @2630 has 5 MA's), (3, 2696), (8, 2924), (9, 2936), (10, 2960), (11, 2966), (17, 3260), (20, 3437),