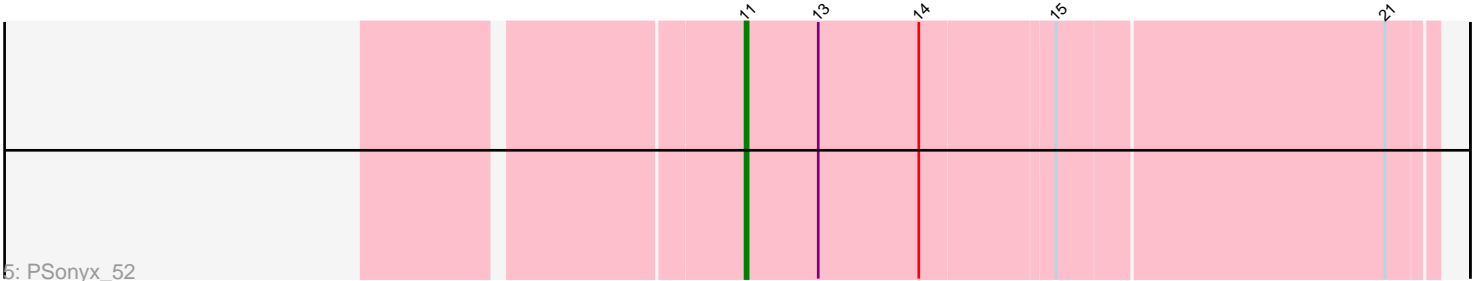
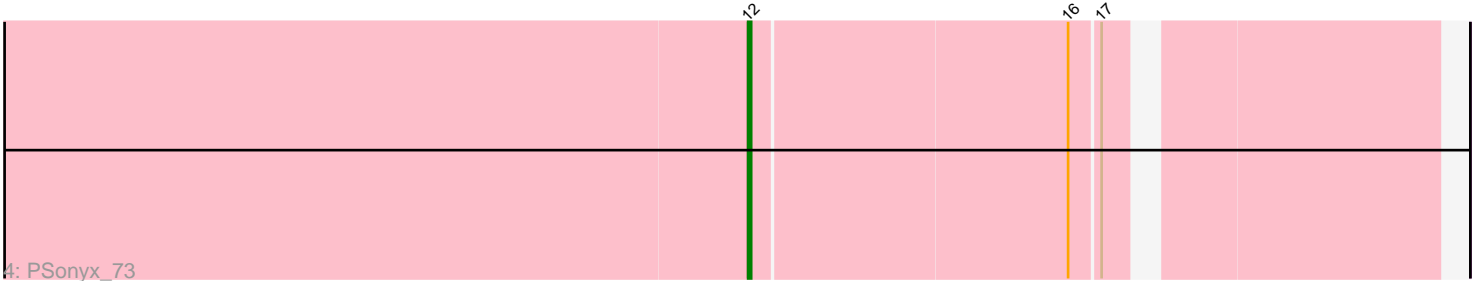
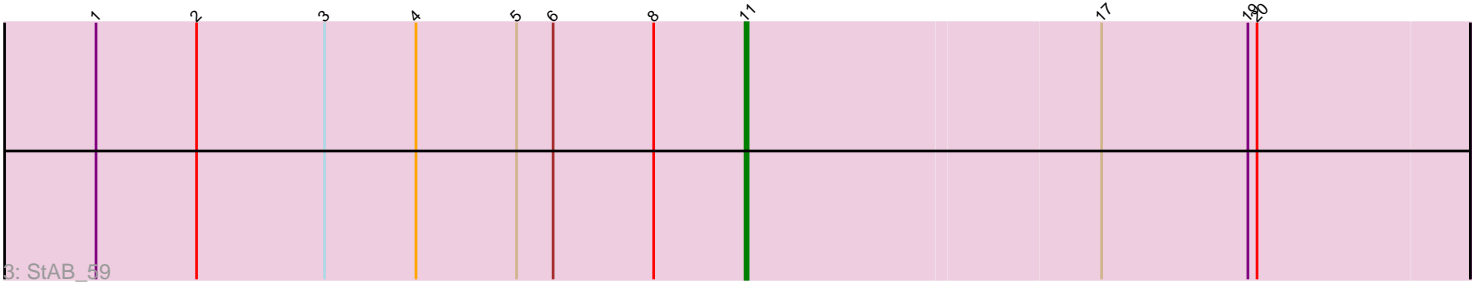
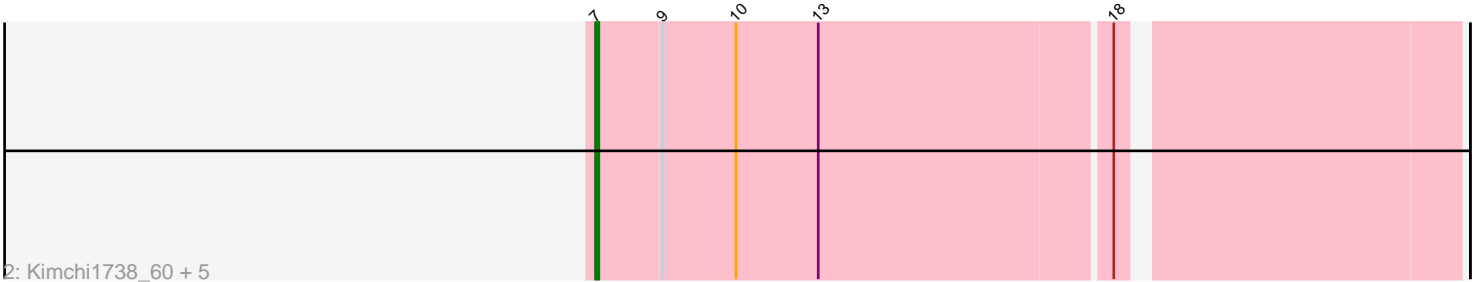
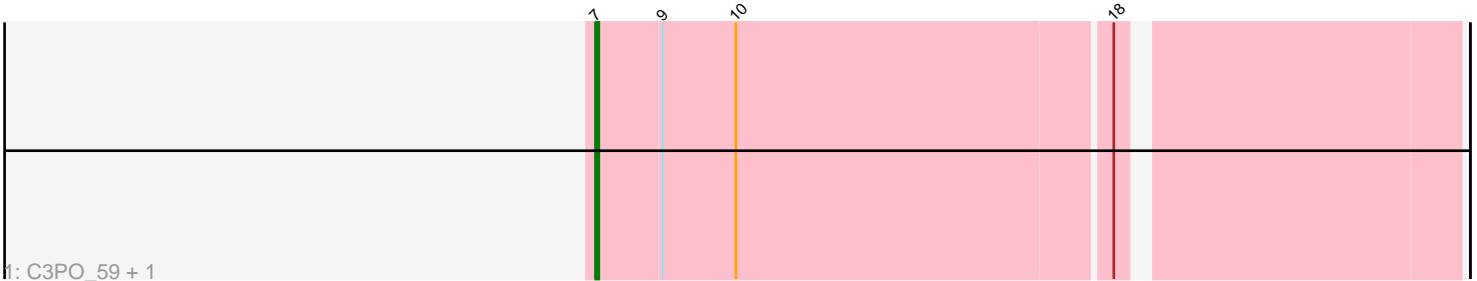


Pham 87323



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 87323 Report

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

Pham number 87323 has 11 members, 0 are drafts.

Phages represented in each track:

- Track 1 : C3PO\_59, Cruella\_59
- Track 2 : Kimchi1738\_60, PeteyPab\_61, Stickynote\_62, Zion\_62, Darwin\_63, PotatoChip\_62
- Track 3 : StAB\_59
- Track 4 : PSonyx\_73
- Track 5 : PSonyx\_52

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

The start number called the most often in the published annotations is 7, it was called in 8 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- C3PO\_59, Cruella\_59, Darwin\_63, Kimchi1738\_60, PeteyPab\_61, PotatoChip\_62, Stickynote\_62, Zion\_62,

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

- 

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

- PSonyx\_52, PSonyx\_73, StAB\_59,

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

Start 7:

- Found in 8 of 11 ( 72.7% ) of genes in pham
- Manual Annotations of this start: 8 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: C3PO\_59 (EN), Cruella\_59 (EN), Darwin\_63 (EN), Kimchi1738\_60 (EN), PeteyPab\_61 (EN), PotatoChip\_62 (EN), Stickynote\_62 (EN), Zion\_62 (EN),

Start 11:

- Found in 2 of 11 ( 18.2% ) of genes in pham

- Manual Annotations of this start: 2 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: PSonyx\_52 (singleton), StAB\_59 (EP),

Start 12:

- Found in 1 of 11 ( 9.1% ) of genes in pham
- Manual Annotations of this start: 1 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: PSonyx\_73 (singleton),

### **Summary by clusters:**

There are 3 clusters represented in this pham: singleton, EN, EP,

Info for manual annotations of cluster EN:

- Start number 7 was manually annotated 8 times for cluster EN.

Info for manual annotations of cluster EP:

- Start number 11 was manually annotated 1 time for cluster EP.

### **Gene Information:**

Gene: C3PO\_59 Start: 46556, Stop: 46287, Start Num: 7

Candidate Starts for C3PO\_59:

(Start: 7 @46556 has 8 MA's), (9, 46535), (10, 46511), (18, 46391),

Gene: Cruella\_59 Start: 46556, Stop: 46287, Start Num: 7

Candidate Starts for Cruella\_59:

(Start: 7 @46556 has 8 MA's), (9, 46535), (10, 46511), (18, 46391),

Gene: Darwin\_63 Start: 46329, Stop: 46060, Start Num: 7

Candidate Starts for Darwin\_63:

(Start: 7 @46329 has 8 MA's), (9, 46308), (10, 46284), (13, 46257), (18, 46164),

Gene: Kimchi1738\_60 Start: 46533, Stop: 46264, Start Num: 7

Candidate Starts for Kimchi1738\_60:

(Start: 7 @46533 has 8 MA's), (9, 46512), (10, 46488), (13, 46461), (18, 46368),

Gene: PSonyx\_73 Start: 42168, Stop: 41959, Start Num: 12

Candidate Starts for PSonyx\_73:

(Start: 12 @42168 has 1 MA's), (16, 42066), (17, 42057),

Gene: PSonyx\_52 Start: 35465, Stop: 35247, Start Num: 11

Candidate Starts for PSonyx\_52:

(Start: 11 @35465 has 2 MA's), (13, 35441), (14, 35408), (15, 35366), (21, 35261),

Gene: PeteyPab\_61 Start: 47071, Stop: 46802, Start Num: 7

Candidate Starts for PeteyPab\_61:

(Start: 7 @47071 has 8 MA's), (9, 47050), (10, 47026), (13, 46999), (18, 46906),

Gene: PotatoChip\_62 Start: 47073, Stop: 46804, Start Num: 7

Candidate Starts for PotatoChip\_62:

(Start: 7 @47073 has 8 MA's), (9, 47052), (10, 47028), (13, 47001), (18, 46908),

Gene: StAB\_59 Start: 43803, Stop: 44036, Start Num: 11

Candidate Starts for StAB\_59:

(1, 43590), (2, 43623), (3, 43665), (4, 43695), (5, 43728), (6, 43740), (8, 43773), (Start: 11 @43803 has 2 MA's), (17, 43917), (19, 43965), (20, 43968),

Gene: Stickynote\_62 Start: 47077, Stop: 46808, Start Num: 7

Candidate Starts for Stickynote\_62:

(Start: 7 @47077 has 8 MA's), (9, 47056), (10, 47032), (13, 47005), (18, 46912),

Gene: Zion\_62 Start: 47071, Stop: 46802, Start Num: 7

Candidate Starts for Zion\_62:

(Start: 7 @47071 has 8 MA's), (9, 47050), (10, 47026), (13, 46999), (18, 46906),