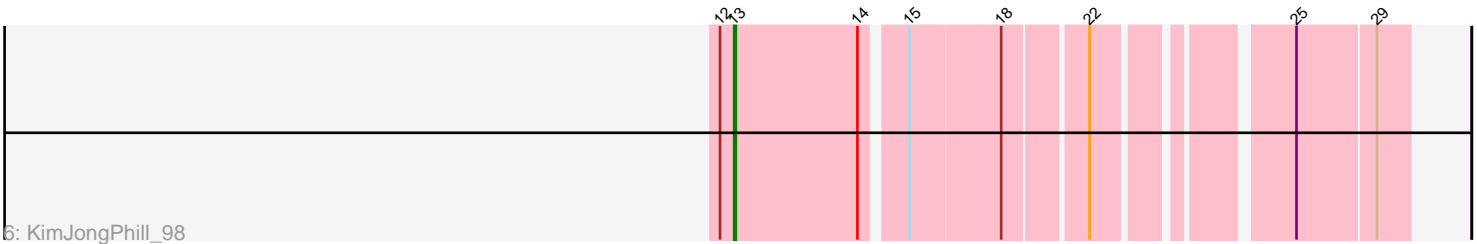
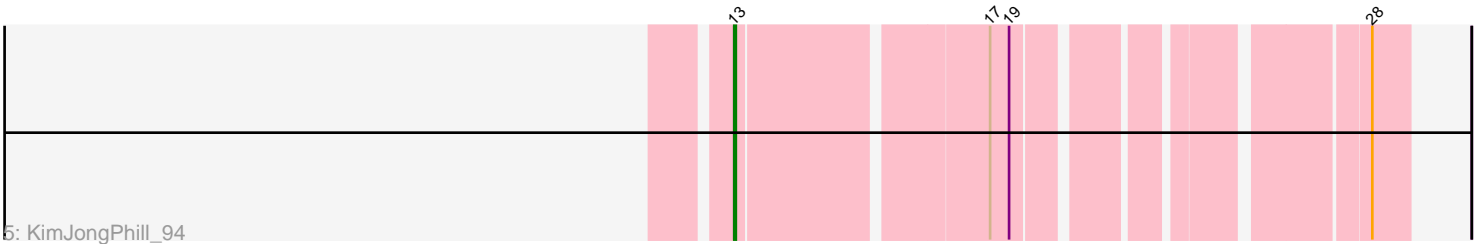
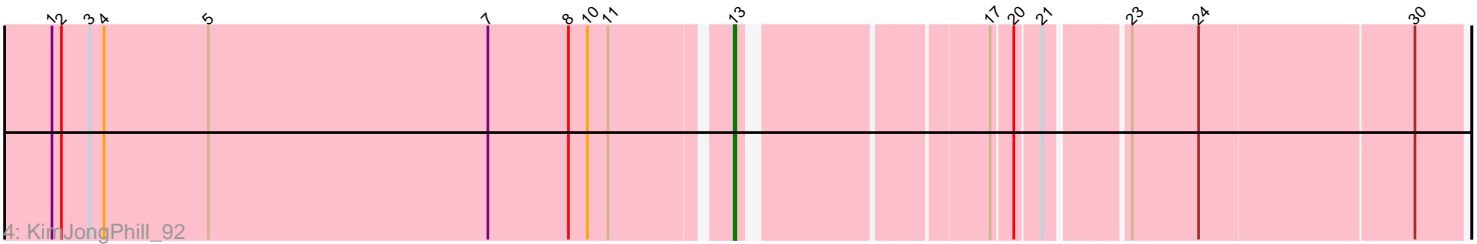
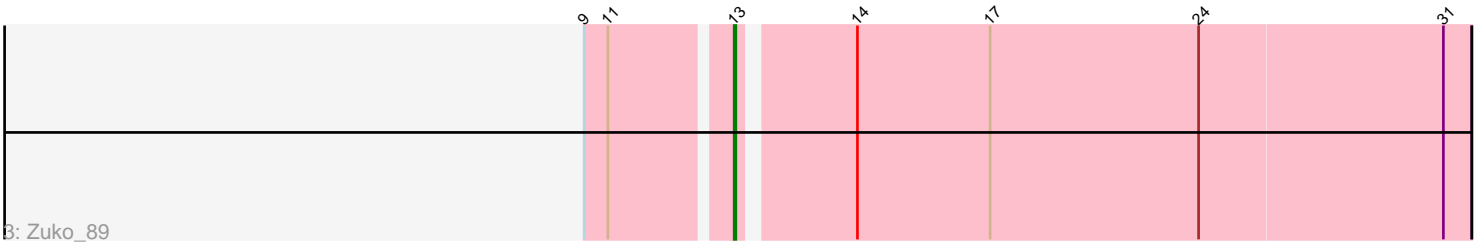
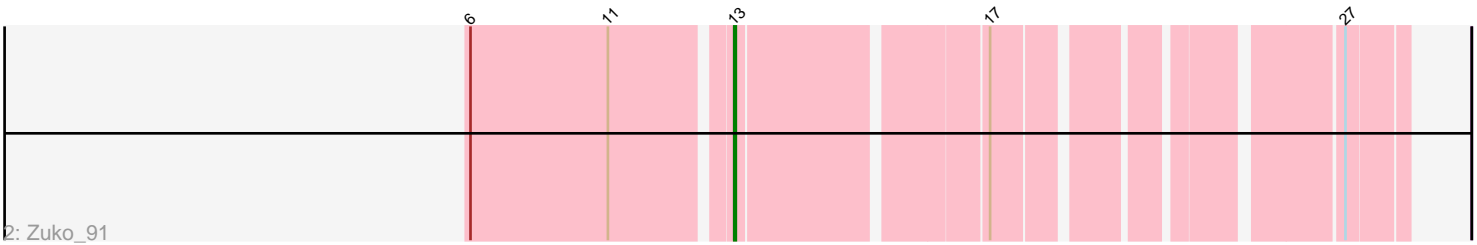
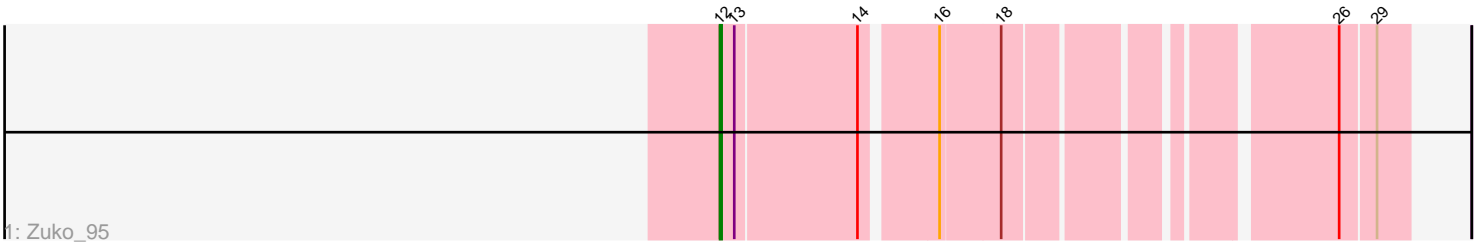


Pham 88169



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 88169 Report

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

Pham number 88169 has 6 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Zuko_95
- Track 2 : Zuko_91
- Track 3 : Zuko_89
- Track 4 : KimJongPhill_92
- Track 5 : KimJongPhill_94
- Track 6 : KimJongPhill_98

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

The start number called the most often in the published annotations is 13, it was called in 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- KimJongPhill_92, KimJongPhill_94, KimJongPhill_98, Zuko_89, Zuko_91,

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

- Zuko_95,

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

-

Summary by start number:

Start 12:

- Found in 2 of 6 (33.3%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Zuko_95 (BR),

Start 13:

- Found in 6 of 6 (100.0%) of genes in pham
- Manual Annotations of this start: 5 of 6
- Called 83.3% of time when present

- Phage (with cluster) where this start called: KimJongPhill_92 (BR), KimJongPhill_94 (BR), KimJongPhill_98 (BR), Zuko_89 (BR), Zuko_91 (BR),

Summary by clusters:

There is one cluster represented in this pham: BR

Info for manual annotations of cluster BR:

- Start number 12 was manually annotated 1 time for cluster BR.
- Start number 13 was manually annotated 5 times for cluster BR.

Gene Information:

Gene: KimJongPhill_92 Start: 68333, Stop: 67920, Start Num: 13

Candidate Starts for KimJongPhill_92:

(1, 68753), (2, 68747), (3, 68729), (4, 68720), (5, 68654), (7, 68477), (8, 68426), (10, 68414), (11, 68402), (Start: 13 @68333 has 5 MA's), (17, 68195), (20, 68183), (21, 68168), (23, 68123), (24, 68081), (30, 67949),

Gene: KimJongPhill_94 Start: 69427, Stop: 69059, Start Num: 13

Candidate Starts for KimJongPhill_94:

(Start: 13 @69427 has 5 MA's), (17, 69280), (19, 69268), (28, 69082),

Gene: KimJongPhill_98 Start: 71932, Stop: 71558, Start Num: 13

Candidate Starts for KimJongPhill_98:

(Start: 12 @71941 has 1 MA's), (Start: 13 @71932 has 5 MA's), (14, 71854), (15, 71830), (18, 71776), (22, 71728), (25, 71626), (29, 71578),

Gene: Zuko_95 Start: 71822, Stop: 71442, Start Num: 12

Candidate Starts for Zuko_95:

(Start: 12 @71822 has 1 MA's), (Start: 13 @71813 has 5 MA's), (14, 71738), (16, 71696), (18, 71660), (26, 71483), (29, 71462),

Gene: Zuko_91 Start: 69253, Stop: 68891, Start Num: 13

Candidate Starts for Zuko_91:

(6, 69409), (11, 69322), (Start: 13 @69253 has 5 MA's), (17, 69109), (27, 68926),

Gene: Zuko_89 Start: 68300, Stop: 67848, Start Num: 13

Candidate Starts for Zuko_89:

(9, 68384), (11, 68369), (Start: 13 @68300 has 5 MA's), (14, 68234), (17, 68150), (24, 68018), (31, 67865),