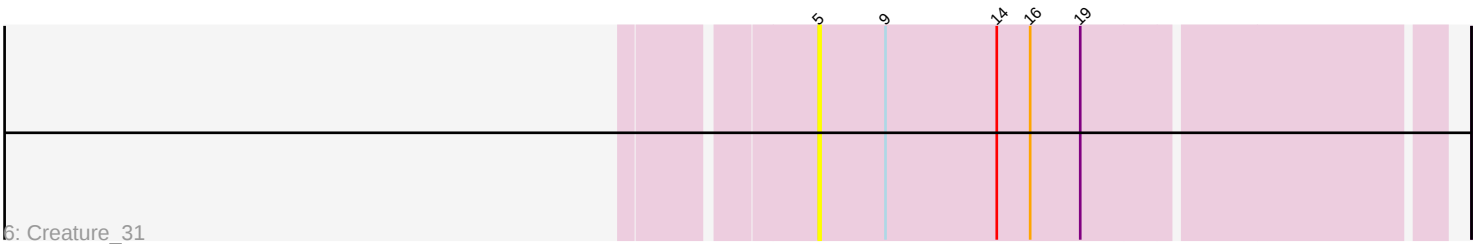
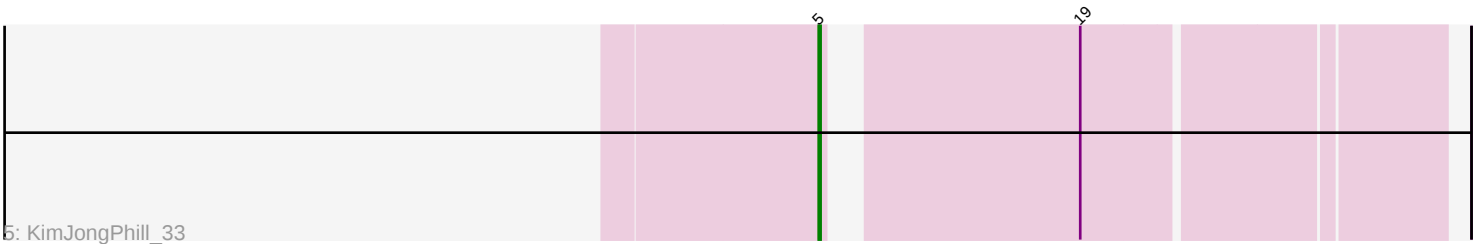
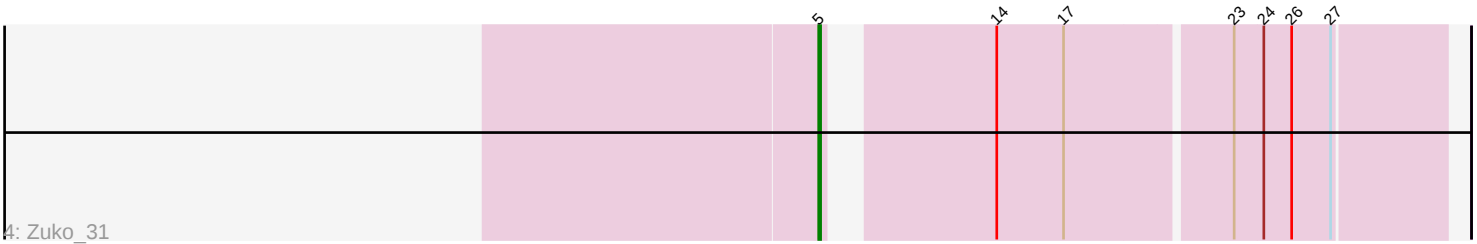
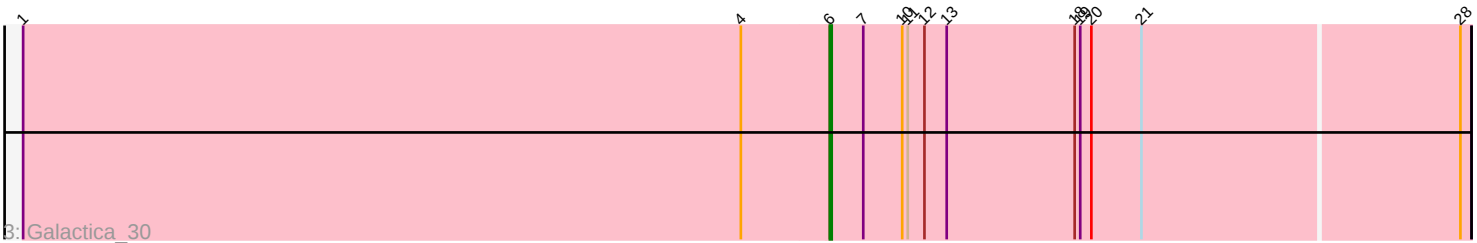
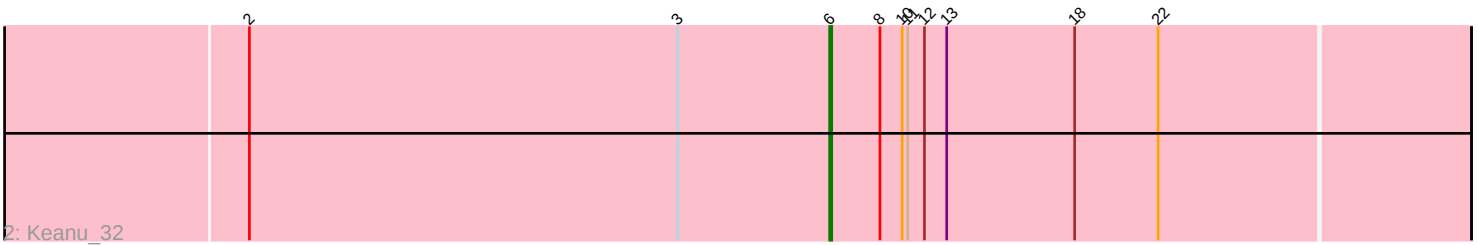
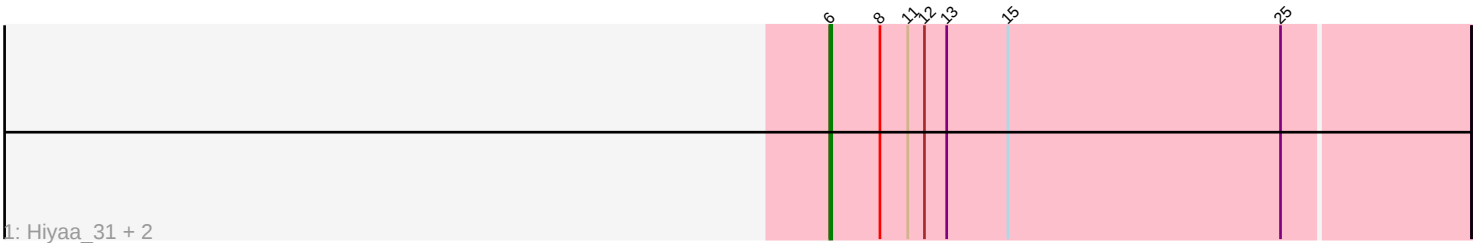


Pham 327780



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 327780 Report

This analysis was run 09/05/26 on database version 662.

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 327780 has 8 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Hiya_31, Kokushibo_32, Spocter_31
- Track 2 : Keanu_32
- Track 3 : Galactica_30
- Track 4 : Zuko_31
- Track 5 : KimJongPhill_33
- Track 6 : Creature_31

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 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Galactica_30, Hiya_31, Keanu_32, Kokushibo_32, Spocter_31,

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

•

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

- Creature_31, KimJongPhill_33, Zuko_31,

Summary by start number:

Start 5:

- Found in 3 of 8 (37.5%) of genes in pham
- Manual Annotations of this start: 2 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Creature_31 (BR), KimJongPhill_33 (BR), Zuko_31 (BR),

Start 6:

- Found in 5 of 8 (62.5%) of genes in pham
- Manual Annotations of this start: 5 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Galactica_30 (BQ), Hiyaa_31 (BQ), Keanu_32 (BQ), Kokushibo_32 (BQ), Spocter_31 (BQ),

Summary by clusters:

There are 2 clusters represented in this pham: BQ, BR,

Info for manual annotations of cluster BQ:

- Start number 6 was manually annotated 5 times for cluster BQ.

Info for manual annotations of cluster BR:

- Start number 5 was manually annotated 2 times for cluster BR.

Gene Information:

Gene: Creature_31 Start: 28676, Stop: 28999, Start Num: 5

Candidate Starts for Creature_31:

(Start: 5 @28676 has 2 MA's), (9, 28712), (14, 28772), (16, 28790), (19, 28817),

Gene: Galactica_30 Start: 24255, Stop: 24596, Start Num: 6

Candidate Starts for Galactica_30:

(1, 23823), (4, 24210), (Start: 6 @24255 has 5 MA's), (7, 24273), (10, 24294), (11, 24297), (12, 24306), (13, 24318), (18, 24387), (19, 24390), (20, 24396), (21, 24423), (28, 24591),

Gene: Hiyaa_31 Start: 25299, Stop: 25640, Start Num: 6

Candidate Starts for Hiyaa_31:

(Start: 6 @25299 has 5 MA's), (8, 25326), (11, 25341), (12, 25350), (13, 25362), (15, 25395), (25, 25542),

Gene: Keanu_32 Start: 25351, Stop: 25692, Start Num: 6

Candidate Starts for Keanu_32:

(2, 25039), (3, 25270), (Start: 6 @25351 has 5 MA's), (8, 25378), (10, 25390), (11, 25393), (12, 25402), (13, 25414), (18, 25483), (22, 25528),

Gene: KimJongPhill_33 Start: 30445, Stop: 30747, Start Num: 5

Candidate Starts for KimJongPhill_33:

(Start: 5 @30445 has 2 MA's), (19, 30565),

Gene: Kokushibo_32 Start: 25314, Stop: 25655, Start Num: 6

Candidate Starts for Kokushibo_32:

(Start: 6 @25314 has 5 MA's), (8, 25341), (11, 25356), (12, 25365), (13, 25377), (15, 25410), (25, 25557),

Gene: Spocter_31 Start: 25287, Stop: 25628, Start Num: 6

Candidate Starts for Spocter_31:

(Start: 6 @25287 has 5 MA's), (8, 25314), (11, 25329), (12, 25338), (13, 25350), (15, 25383), (25, 25530),

Gene: Zuko_31 Start: 28694, Stop: 28999, Start Num: 5

Candidate Starts for Zuko_31:

(Start: 5 @28694 has 2 MA's), (14, 28769), (17, 28805), (23, 28889), (24, 28904), (26, 28919), (27, 28940),