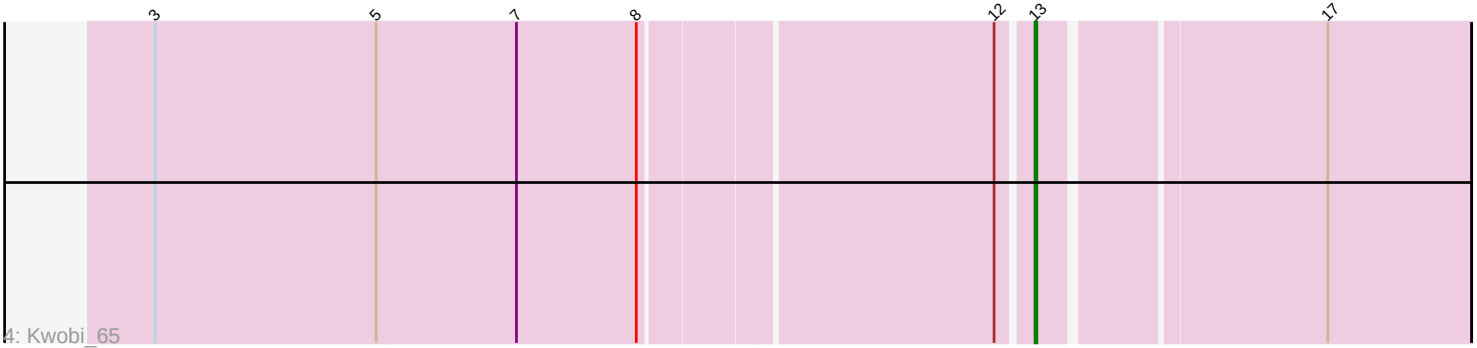
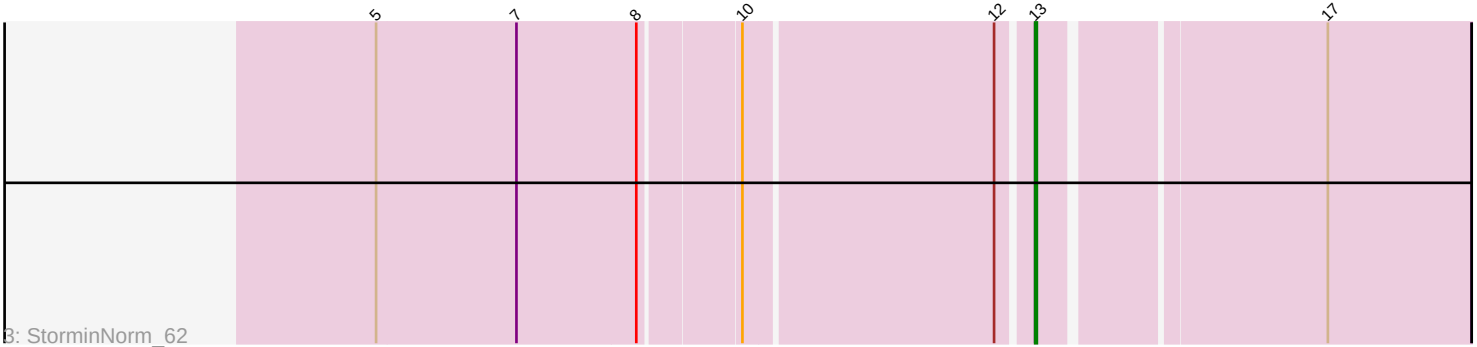
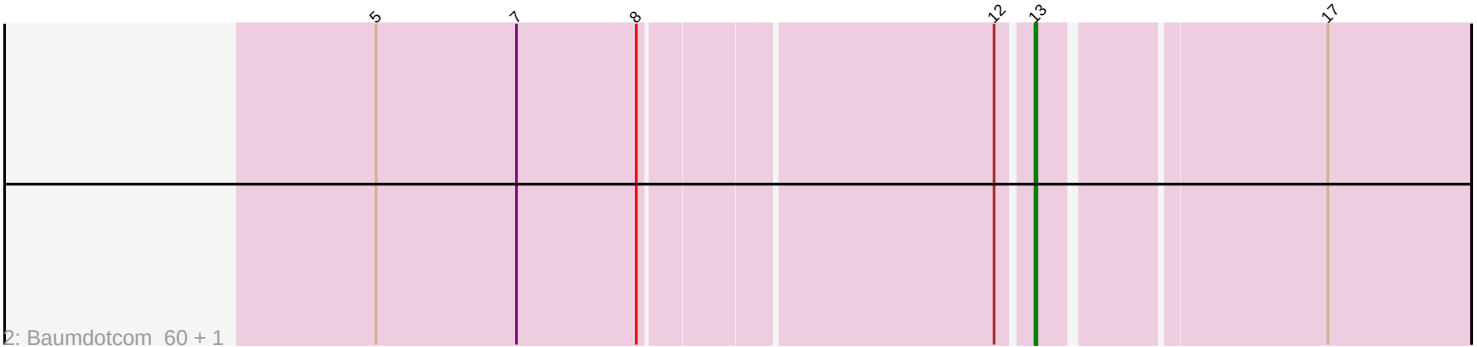
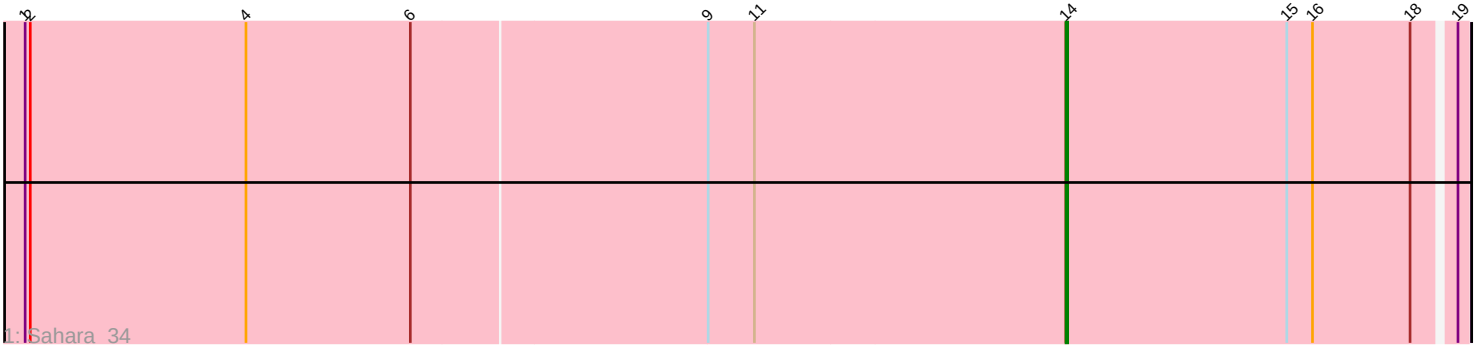




Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 310212 Report

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

Pham number 310212 has 5 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Sahara_34
- Track 2 : Baumdotcom_60, Flatwoods_62
- Track 3 : StorminNorm_62
- Track 4 : Kwobi_65

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

Genes that call this "Most Annotated" start:

- Baumdotcom_60, Flatwoods_62, Kwobi_65, StorminNorm_62,

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

-

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

- Sahara_34,

Summary by start number:

Start 13:

- Found in 4 of 5 (80.0%) of genes in pham
- Manual Annotations of this start: 4 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Baumdotcom_60 (DE1), Flatwoods_62 (DE1), Kwobi_65 (DE1), StorminNorm_62 (DE1),

Start 14:

- Found in 1 of 5 (20.0%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sahara_34 (CZ2),

Summary by clusters:

There are 2 clusters represented in this pham: CZ2, DE1,

Info for manual annotations of cluster CZ2:

- Start number 14 was manually annotated 1 time for cluster CZ2.

Info for manual annotations of cluster DE1:

- Start number 13 was manually annotated 4 times for cluster DE1.

Gene Information:

Gene: Baumdotcom_60 Start: 48684, Stop: 48923, Start Num: 13

Candidate Starts for Baumdotcom_60:

(5, 48321), (7, 48402), (8, 48471), (12, 48666), (Start: 13 @48684 has 4 MA's), (17, 48840),

Gene: Flatwoods_62 Start: 48257, Stop: 48496, Start Num: 13

Candidate Starts for Flatwoods_62:

(5, 47894), (7, 47975), (8, 48044), (12, 48239), (Start: 13 @48257 has 4 MA's), (17, 48413),

Gene: Kwobi_65 Start: 49755, Stop: 49994, Start Num: 13

Candidate Starts for Kwobi_65:

(3, 49263), (5, 49392), (7, 49473), (8, 49542), (12, 49737), (Start: 13 @49755 has 4 MA's), (17, 49911),

Gene: Sahara_34 Start: 26340, Stop: 26567, Start Num: 14

Candidate Starts for Sahara_34:

(1, 25740), (2, 25743), (4, 25869), (6, 25965), (9, 26133), (11, 26160), (Start: 14 @26340 has 1 MA's), (15, 26469), (16, 26484), (18, 26541), (19, 26562),

Gene: StorminNorm_62 Start: 49255, Stop: 49494, Start Num: 13

Candidate Starts for StorminNorm_62:

(5, 48892), (7, 48973), (8, 49042), (10, 49096), (12, 49237), (Start: 13 @49255 has 4 MA's), (17, 49411),