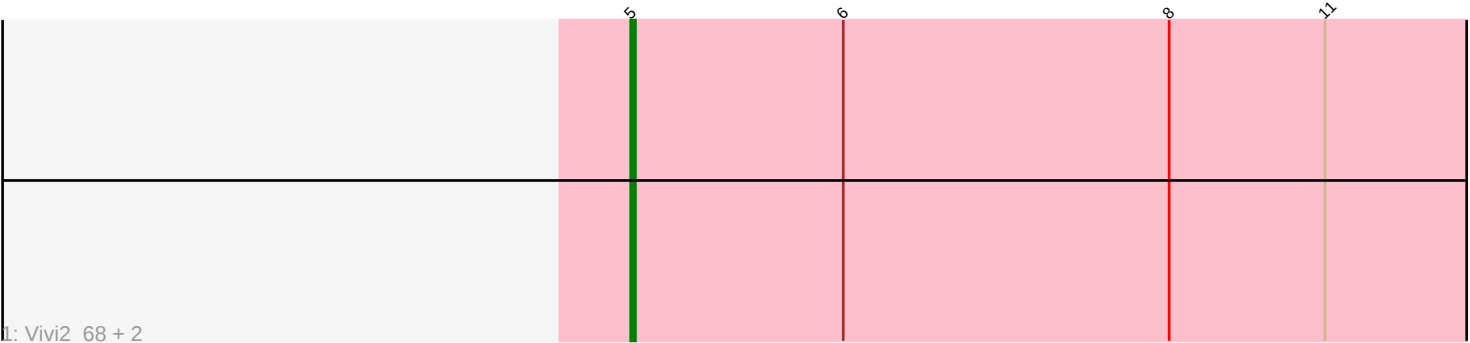
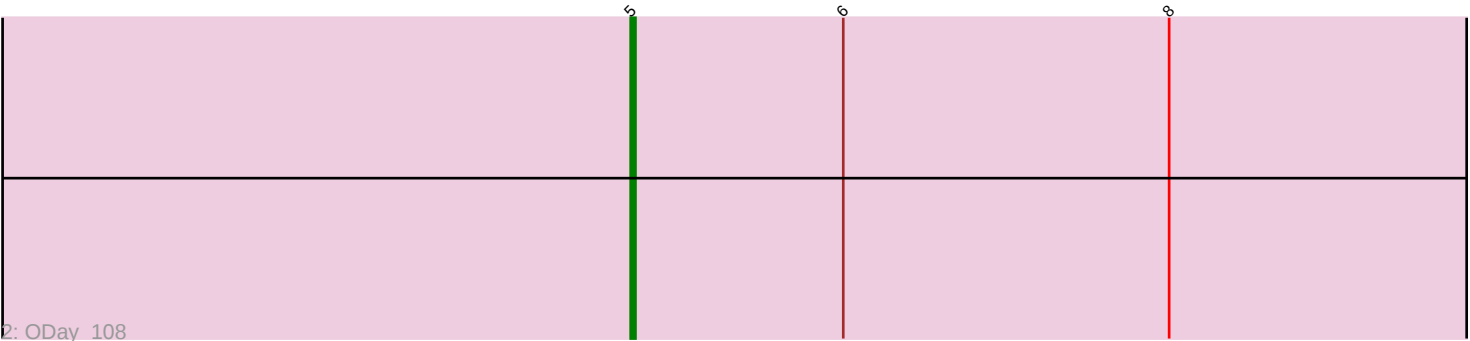
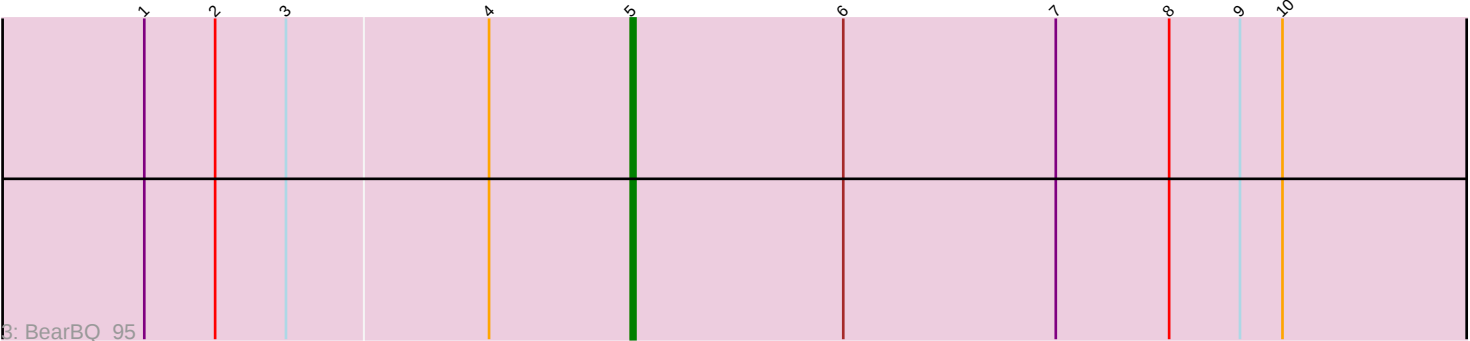




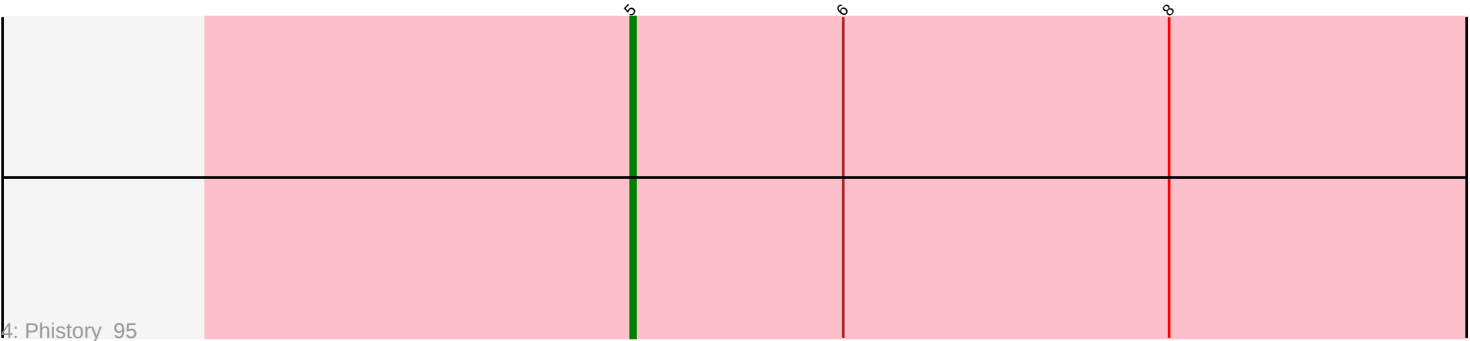
1: Vivi2_68 + 2



2: ODay_108



3: BearBQ_95



4: Phistory_95

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 284561 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284561 has 6 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Vivi2_68, Charming_66, BobBob_63
- Track 2 : ODay_108
- Track 3 : BearBQ_95
- Track 4 : Phistory_95

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

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

Genes that call this "Most Annotated" start:

- BearBQ_95, BobBob_63, Charming_66, ODay_108, Phistory_95, Vivi2_68,

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 5:

- Found in 6 of 6 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BearBQ_95 (DN), BobBob_63 (DE1), Charming_66 (DE1), ODay_108 (DN), Phistory_95 (DN1), Vivi2_68 (DE1),

Summary by clusters:

There are 3 clusters represented in this pham: DN, DE1, DN1,

Info for manual annotations of cluster DE1:

- Start number 5 was manually annotated 3 times for cluster DE1.

Info for manual annotations of cluster DN:

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

Info for manual annotations of cluster DN1:

- Start number 5 was manually annotated 1 time for cluster DN1.

Gene Information:

Gene: BearBQ_95 Start: 52472, Stop: 52699, Start Num: 5

Candidate Starts for BearBQ_95:

(1, 52370), (2, 52385), (3, 52400), (4, 52442), (Start: 5 @52472 has 6 MA's), (6, 52517), (7, 52562), (8, 52586), (9, 52601), (10, 52610),

Gene: BobBob_63 Start: 49536, Stop: 49802, Start Num: 5

Candidate Starts for BobBob_63:

(Start: 5 @49536 has 6 MA's), (6, 49581), (8, 49650), (11, 49683),

Gene: Charming_66 Start: 49480, Stop: 49746, Start Num: 5

Candidate Starts for Charming_66:

(Start: 5 @49480 has 6 MA's), (6, 49525), (8, 49594), (11, 49627),

Gene: ODay_108 Start: 55478, Stop: 55705, Start Num: 5

Candidate Starts for ODay_108:

(Start: 5 @55478 has 6 MA's), (6, 55523), (8, 55592),

Gene: Phistory_95 Start: 49991, Stop: 50218, Start Num: 5

Candidate Starts for Phistory_95:

(Start: 5 @49991 has 6 MA's), (6, 50036), (8, 50105),

Gene: Vivi2_68 Start: 50816, Stop: 51082, Start Num: 5

Candidate Starts for Vivi2_68:

(Start: 5 @50816 has 6 MA's), (6, 50861), (8, 50930), (11, 50963),