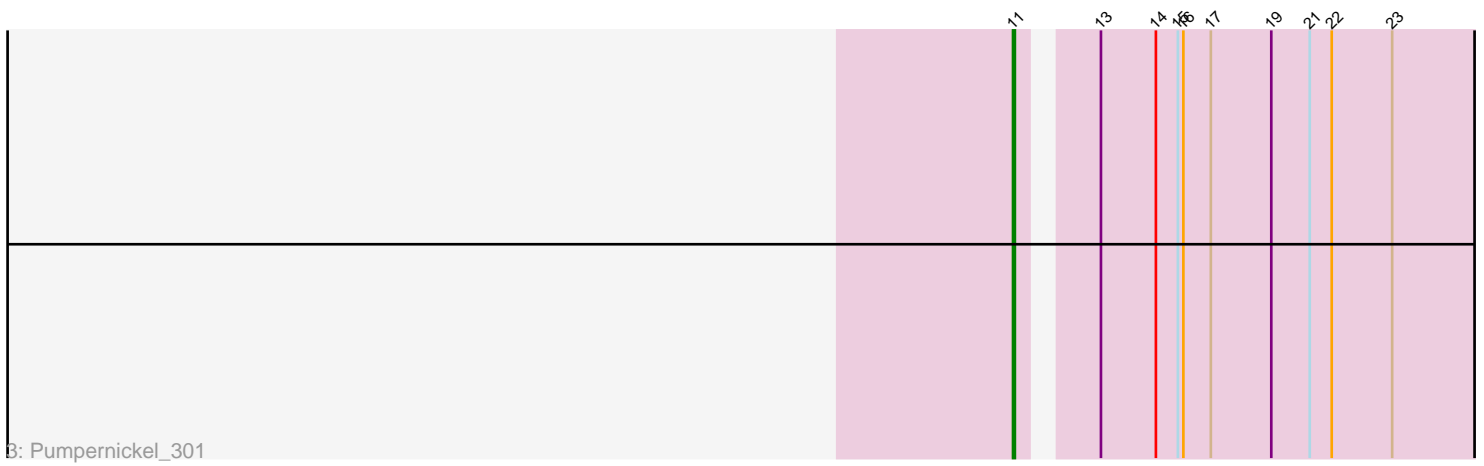
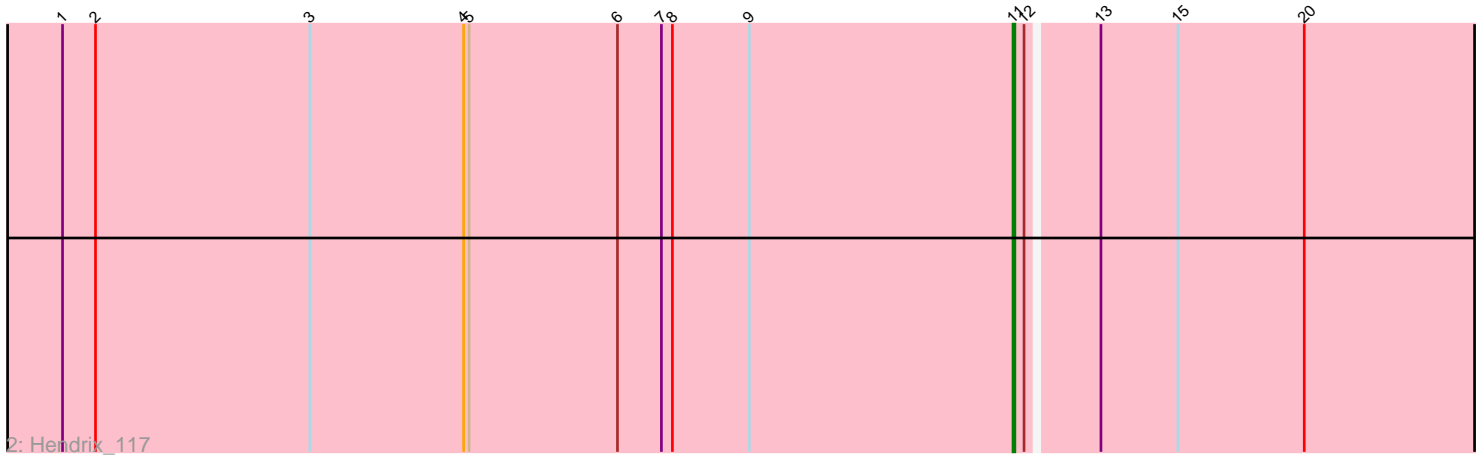
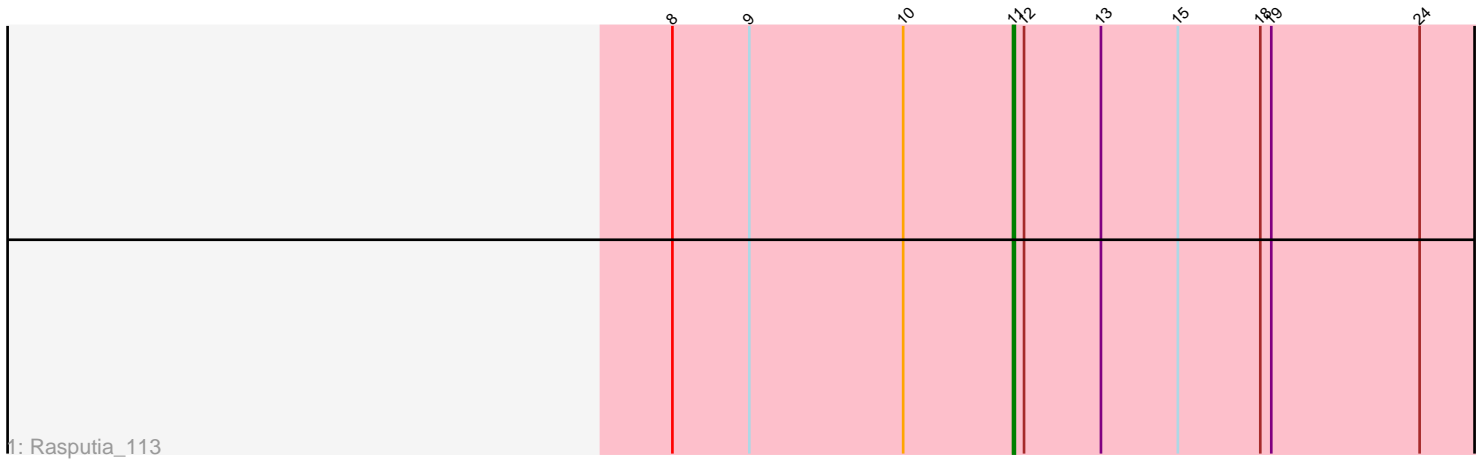


Pham 169066



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 169066 Report

This analysis was run 07/09/24 on database version 566.

Pham number 169066 has 3 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Rasputia_113
- Track 2 : Hendrix_117
- Track 3 : Pumpnickel_301

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

The start number called the most often in the published annotations is 11, it was called in 3 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Hendrix_117, Pumpnickel_301, Rasputia_113,

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 11:

- Found in 3 of 3 (100.0%) of genes in pham
- Manual Annotations of this start: 3 of 3
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hendrix_117 (GC), Pumpnickel_301 (GD4), Rasputia_113 (GC),

Summary by clusters:

There are 2 clusters represented in this pham: GC, GD4,

Info for manual annotations of cluster GC:

- Start number 11 was manually annotated 2 times for cluster GC.

Info for manual annotations of cluster GD4:

•Start number 11 was manually annotated 1 time for cluster GD4.

Gene Information:

Gene: Hendrix_117 Start: 74226, Stop: 74486, Start Num: 11

Candidate Starts for Hendrix_117:

(1, 73707), (2, 73725), (3, 73842), (4, 73926), (5, 73929), (6, 74010), (7, 74034), (8, 74040), (9, 74082), (Start: 11 @74226 has 3 MA's), (12, 74232), (13, 74268), (15, 74310), (20, 74379),

Gene: Pumpernickel_301 Start: 165786, Stop: 166037, Start Num: 11

Candidate Starts for Pumpernickel_301:

(Start: 11 @165786 has 3 MA's), (13, 165819), (14, 165849), (15, 165861), (16, 165864), (17, 165879), (19, 165912), (21, 165933), (22, 165945), (23, 165978),

Gene: Rasputia_113 Start: 71621, Stop: 71884, Start Num: 11

Candidate Starts for Rasputia_113:

(8, 71435), (9, 71477), (10, 71561), (Start: 11 @71621 has 3 MA's), (12, 71627), (13, 71669), (15, 71711), (18, 71756), (19, 71762), (24, 71843),