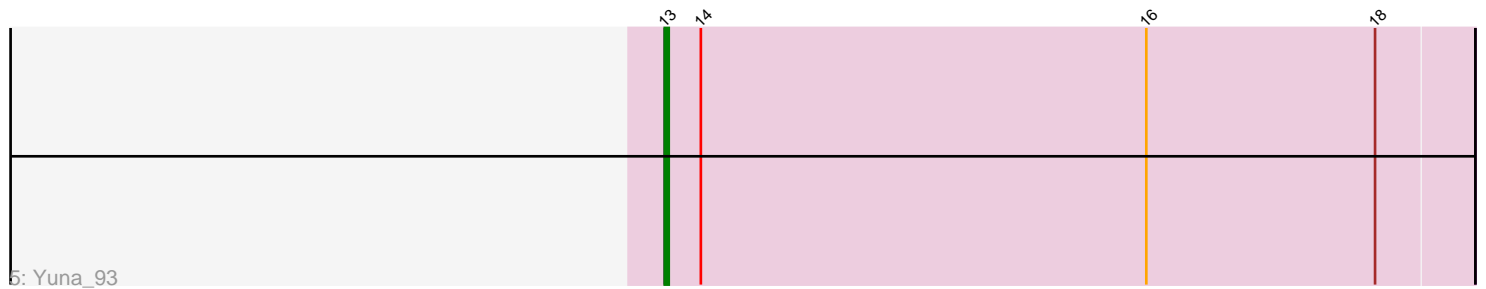
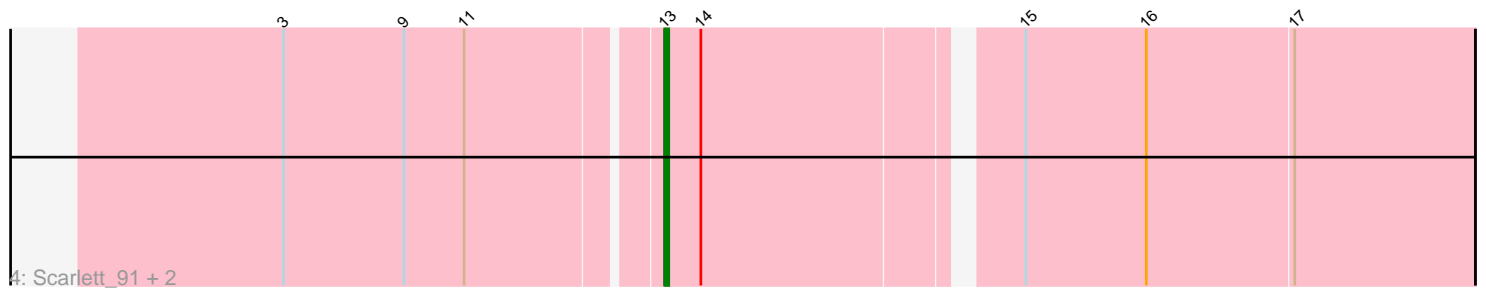
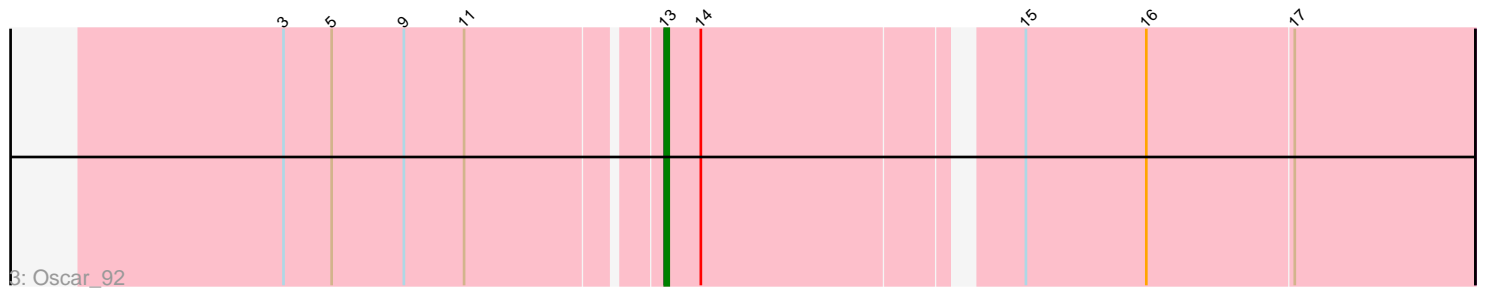
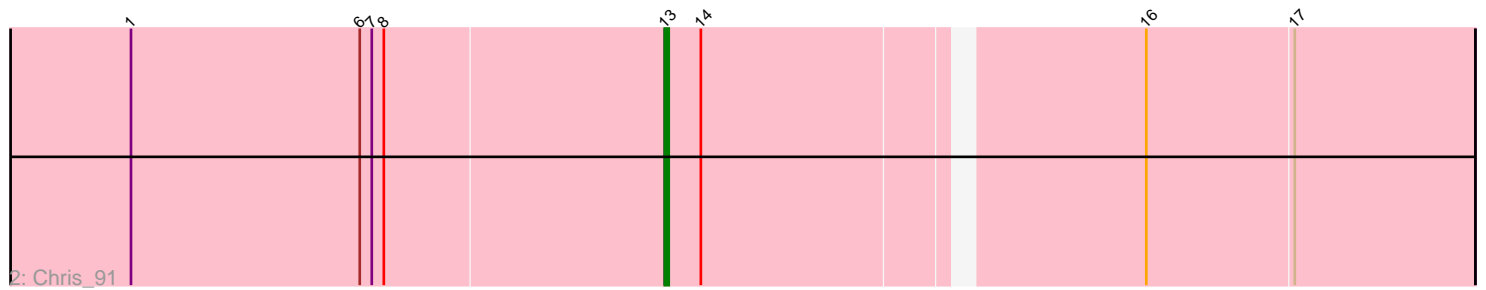
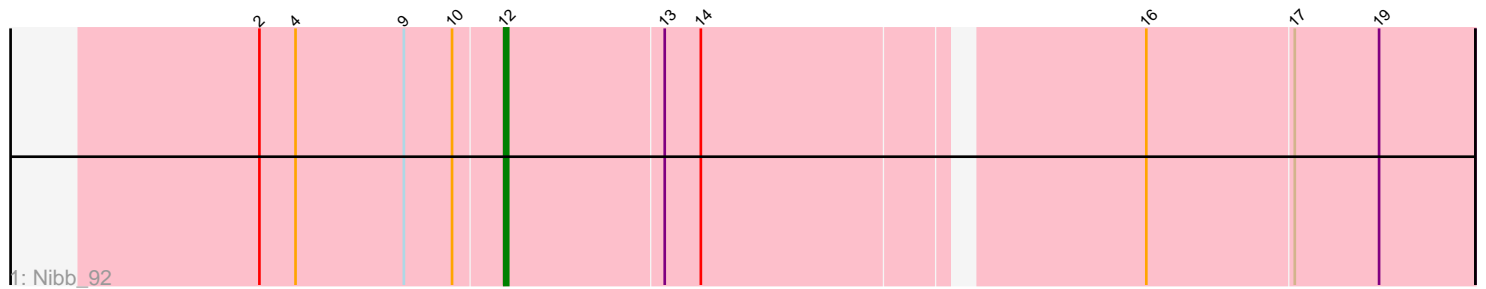


Pham 7246



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 7246 Report

This analysis was run 04/05/24 on database version 557.

Pham number 7246 has 7 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Nibb_92
- Track 2 : Chris_91
- Track 3 : Oscar_92
- Track 4 : Scarlett_91, LeMond_91, KiSi_92
- Track 5 : Yuna_93

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

Genes that call this "Most Annotated" start:

- Chris_91, KiSi_92, LeMond_91, Oscar_92, Scarlett_91, Yuna_93,

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

- Nibb_92,

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

-

Summary by start number:

Start 12:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nibb_92 (K1),

Start 13:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 7
- Called 85.7% of time when present
- Phage (with cluster) where this start called: Chris_91 (K1), KiSi_92 (K1), LeMond_91 (K1), Oscar_92 (K1), Scarlett_91 (K1), Yuna_93 (K6),

Summary by clusters:

There are 2 clusters represented in this pham: K1, K6,

Info for manual annotations of cluster K1:

- Start number 12 was manually annotated 1 time for cluster K1.
- Start number 13 was manually annotated 5 times for cluster K1.

Info for manual annotations of cluster K6:

- Start number 13 was manually annotated 1 time for cluster K6.

Gene Information:

Gene: Chris_91 Start: 57485, Stop: 57676, Start Num: 13

Candidate Starts for Chris_91:

(1, 57353), (6, 57410), (7, 57413), (8, 57416), (Start: 13 @57485 has 6 MA's), (14, 57494), (16, 57596), (17, 57632),

Gene: KiSi_92 Start: 57215, Stop: 57406, Start Num: 13

Candidate Starts for KiSi_92:

(3, 57125), (9, 57155), (11, 57170), (Start: 13 @57215 has 6 MA's), (14, 57224), (15, 57296), (16, 57326), (17, 57362),

Gene: LeMond_91 Start: 57171, Stop: 57362, Start Num: 13

Candidate Starts for LeMond_91:

(3, 57081), (9, 57111), (11, 57126), (Start: 13 @57171 has 6 MA's), (14, 57180), (15, 57252), (16, 57282), (17, 57318),

Gene: Nibb_92 Start: 56947, Stop: 57177, Start Num: 12

Candidate Starts for Nibb_92:

(2, 56887), (4, 56896), (9, 56923), (10, 56935), (Start: 12 @56947 has 1 MA's), (Start: 13 @56986 has 6 MA's), (14, 56995), (16, 57097), (17, 57133), (19, 57154),

Gene: Oscar_92 Start: 57095, Stop: 57286, Start Num: 13

Candidate Starts for Oscar_92:

(3, 57005), (5, 57017), (9, 57035), (11, 57050), (Start: 13 @57095 has 6 MA's), (14, 57104), (15, 57176), (16, 57206), (17, 57242),

Gene: Scarlett_91 Start: 56963, Stop: 57154, Start Num: 13

Candidate Starts for Scarlett_91:

(3, 56873), (9, 56903), (11, 56918), (Start: 13 @56963 has 6 MA's), (14, 56972), (15, 57044), (16, 57074), (17, 57110),

Gene: Yuna_93 Start: 58946, Stop: 59146, Start Num: 13

Candidate Starts for Yuna_93:

(Start: 13 @58946 has 6 MA's), (14, 58955), (16, 59066), (18, 59123),