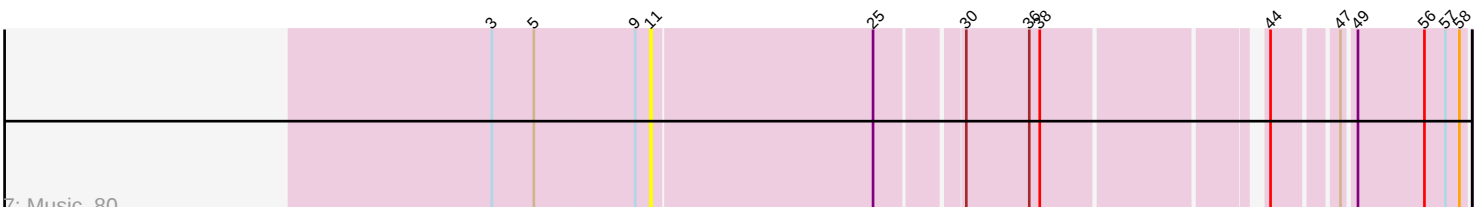
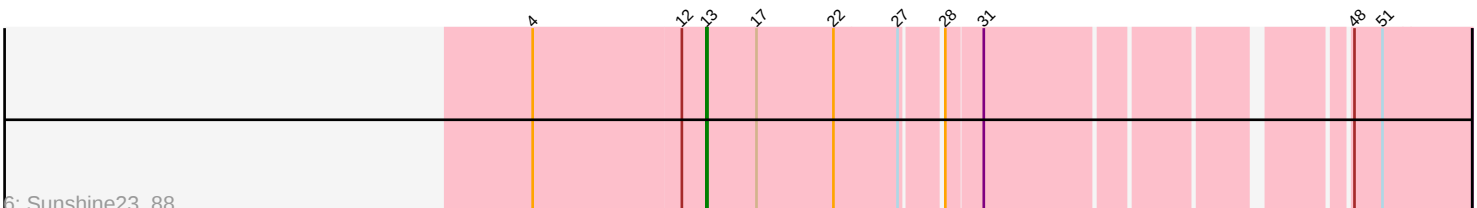
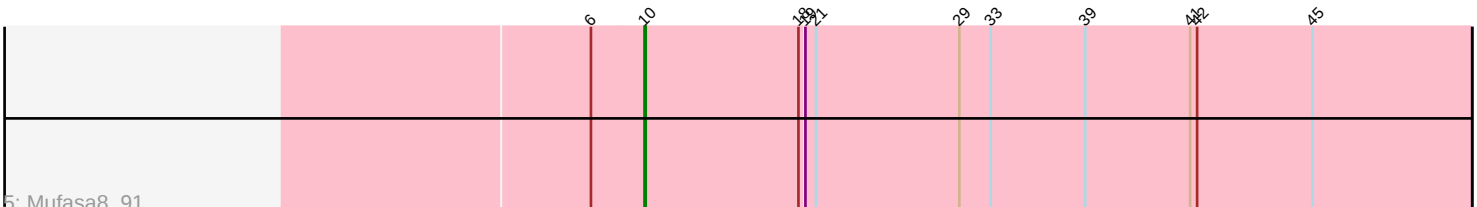
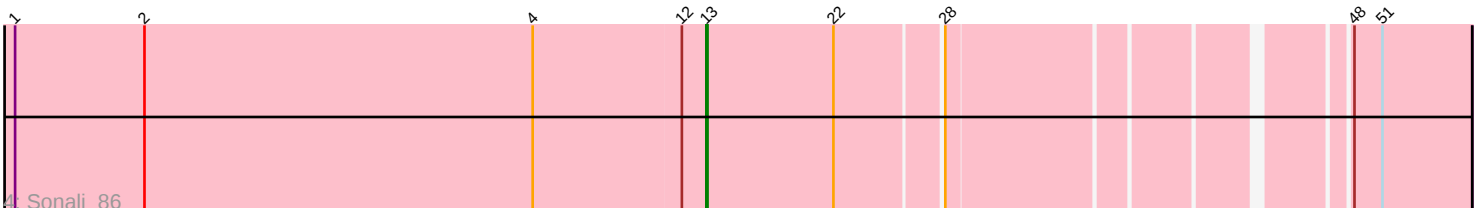
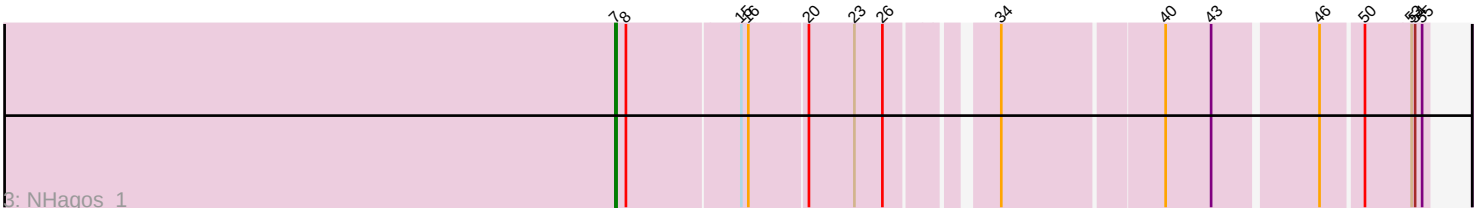
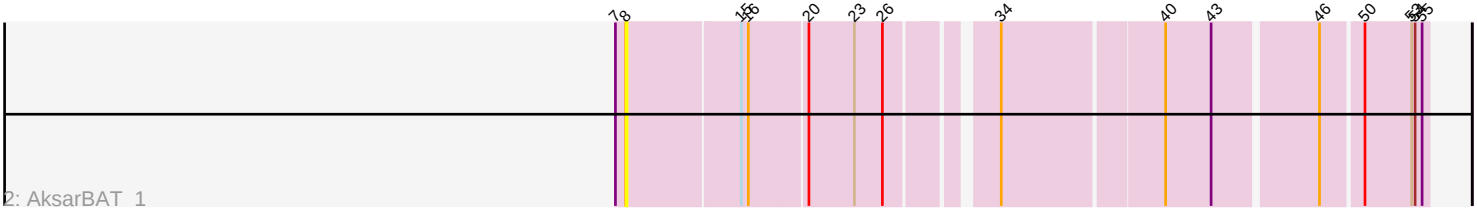
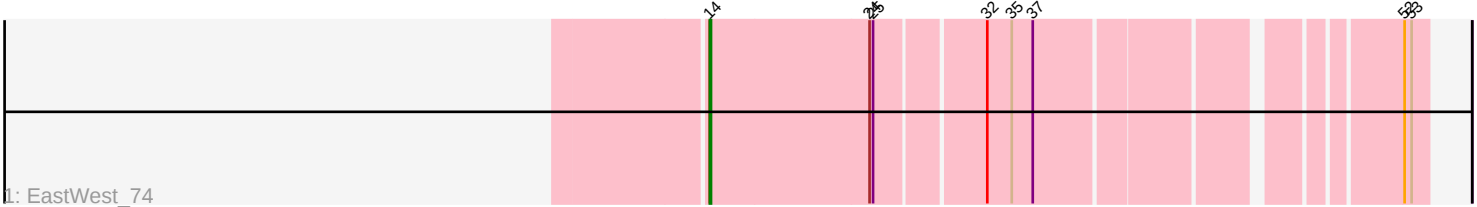


Pham 331612



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 331612 Report

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

Pham number 331612 has 7 members, 2 are drafts.

Phages represented in each track:

- Track 1 : EastWest_74
- Track 2 : AksarBAT_1
- Track 3 : NHagos_1
- Track 4 : Sonali_86
- Track 5 : Mufasa8_91
- Track 6 : Sunshine23_88
- Track 7 : Music_80

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

Genes that call this "Most Annotated" start:

- Sonali_86, Sunshine23_88,

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

•

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

- AksarBAT_1, EastWest_74, Mufasa8_91, Music_80, NHagos_1,

Summary by start number:

Start 7:

- Found in 2 of 7 (28.6%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 50.0% of time when present
- Phage (with cluster) where this start called: NHagos_1 (DR),

Start 8:

- Found in 2 of 7 (28.6%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present

- Phage (with cluster) where this start called: AksarBAT_1 (DR),

Start 10:

- Found in 1 of 7 (14.3%) 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: Mufasa8_91 (FG),

Start 11:

- Found in 1 of 7 (14.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Music_80 (FL),

Start 13:

- Found in 2 of 7 (28.6%) of genes in pham
- Manual Annotations of this start: 2 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sonali_86 (FG), Sunshine23_88 (FG),

Start 14:

- Found in 1 of 7 (14.3%) 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: EastWest_74 (AO),

Summary by clusters:

There are 4 clusters represented in this pham: DR, FL, AO, FG,

Info for manual annotations of cluster AO:

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

Info for manual annotations of cluster DR:

- Start number 7 was manually annotated 1 time for cluster DR.

Info for manual annotations of cluster FG:

- Start number 10 was manually annotated 1 time for cluster FG.
- Start number 13 was manually annotated 2 times for cluster FG.

Gene Information:

Gene: AksarBAT_1 Start: 10, Stop: 633, Start Num: 8

Candidate Starts for AksarBAT_1:

(Start: 7 @1 has 1 MA's), (8, 10), (15, 103), (16, 109), (20, 154), (23, 193), (26, 217), (34, 292), (40, 424), (43, 463), (46, 547), (50, 580), (53, 619), (54, 622), (55, 628),

Gene: EastWest_74 Start: 43726, Stop: 44280, Start Num: 14

Candidate Starts for EastWest_74:

(Start: 14 @43726 has 1 MA's), (24, 43861), (25, 43864), (32, 43951), (35, 43972), (37, 43990), (52, 44260), (53, 44266),

Gene: Mufasa8_91 Start: 53065, Stop: 53769, Start Num: 10

Candidate Starts for Mufasa8_91:

(6, 53020), (Start: 10 @53065 has 1 MA's), (18, 53197), (19, 53200), (21, 53209), (29, 53332), (33, 53359), (39, 53440), (41, 53530), (42, 53536), (45, 53635),

Gene: Music_80 Start: 47968, Stop: 48591, Start Num: 11

Candidate Starts for Music_80:

(3, 47836), (5, 47872), (9, 47956), (11, 47968), (25, 48151), (30, 48217), (36, 48271), (38, 48280), (44, 48445), (47, 48493), (49, 48502), (56, 48556), (57, 48574), (58, 48586),

Gene: NHagos_1 Start: 1, Stop: 633, Start Num: 7

Candidate Starts for NHagos_1:

(Start: 7 @1 has 1 MA's), (8, 10), (15, 103), (16, 109), (20, 154), (23, 193), (26, 217), (34, 292), (40, 424), (43, 463), (46, 547), (50, 580), (53, 619), (54, 622), (55, 628),

Gene: Sonali_86 Start: 53450, Stop: 54043, Start Num: 13

Candidate Starts for Sonali_86:

(1, 52859), (2, 52970), (4, 53303), (12, 53429), (Start: 13 @53450 has 2 MA's), (22, 53558), (28, 53642), (48, 53945), (51, 53969),

Gene: Sunshine23_88 Start: 53186, Stop: 53779, Start Num: 13

Candidate Starts for Sunshine23_88:

(4, 53039), (12, 53165), (Start: 13 @53186 has 2 MA's), (17, 53228), (22, 53294), (27, 53348), (28, 53378), (31, 53408), (48, 53681), (51, 53705),