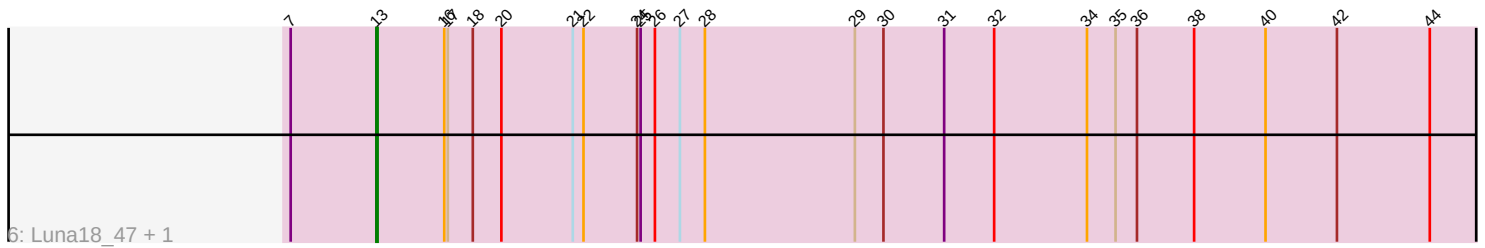
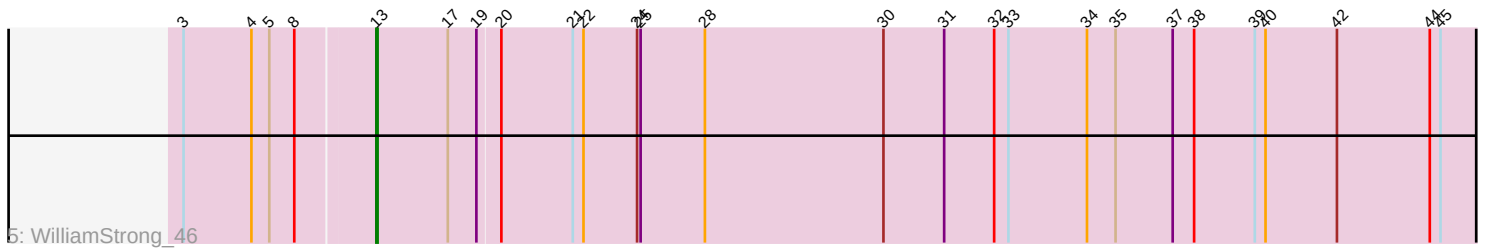
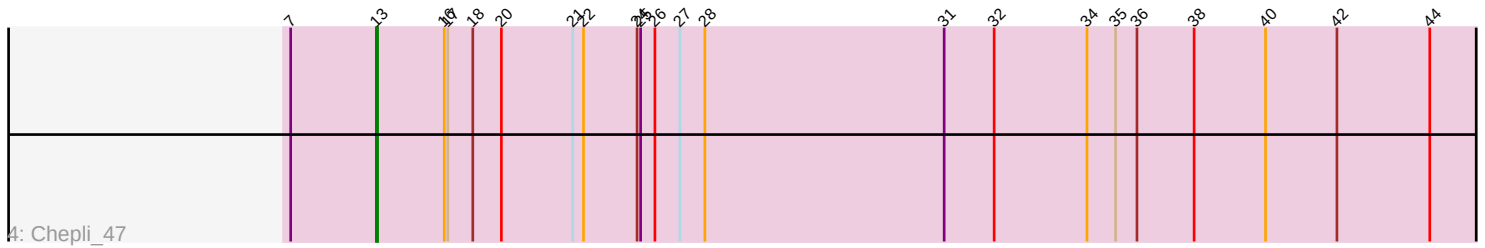
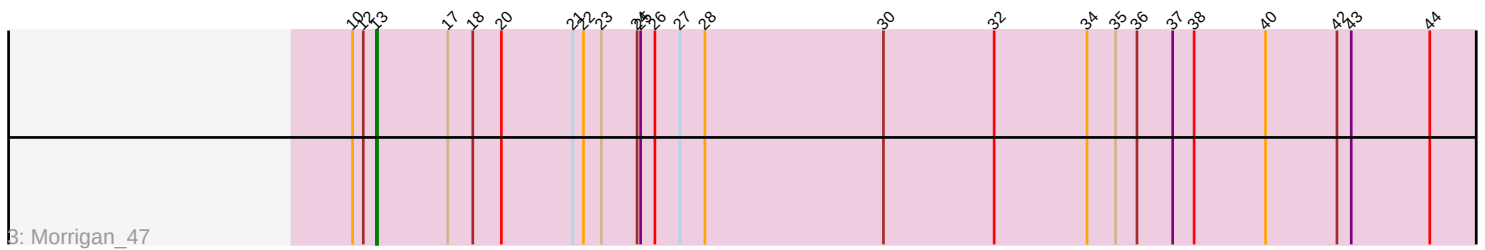
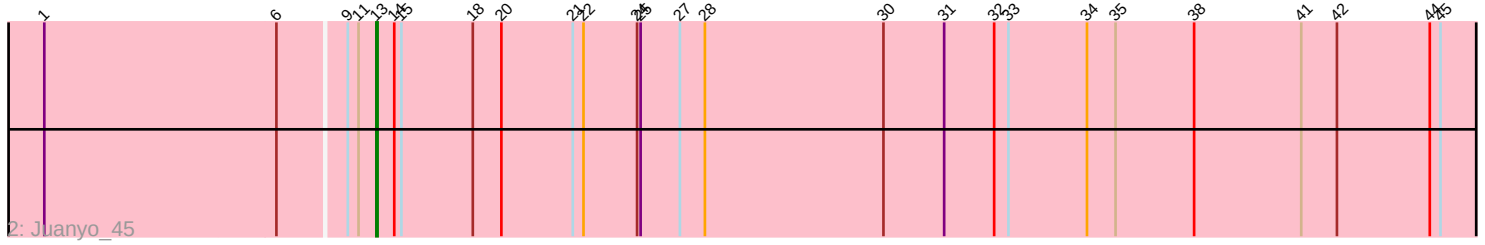
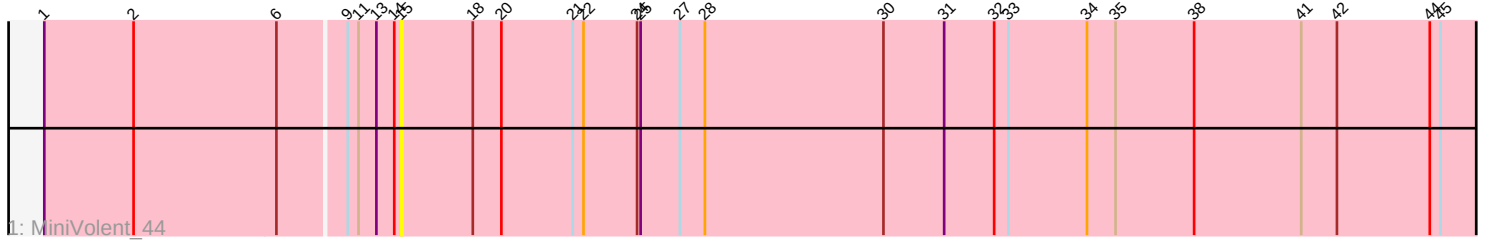


Pham 254844



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 254844 Report

This analysis was run 02/07/26 on database version 634.

Pham number 254844 has 7 members, 1 are drafts.

Phages represented in each track:

- Track 1 : MiniVolent_44
- Track 2 : Juanyo_45
- Track 3 : Morrigan_47
- Track 4 : Chepli_47
- Track 5 : WilliamStrong_46
- Track 6 : Luna18_47, KatChan_47

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 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Chepli_47, Juanyo_45, KatChan_47, Luna18_47, Morrigan_47, WilliamStrong_46,

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

- MiniVolent_44,

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

•

Summary by start number:

Start 13:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 6
- Called 85.7% of time when present
- Phage (with cluster) where this start called: Chepli_47 (EA6), Juanyo_45 (EA10), KatChan_47 (EA6), Luna18_47 (EA6), Morrigan_47 (EA6), WilliamStrong_46 (EA6),

Start 15:

- 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: MiniVolent_44 (EA10),

Summary by clusters:

There are 2 clusters represented in this pham: EA10, EA6,

Info for manual annotations of cluster EA10:

- Start number 13 was manually annotated 1 time for cluster EA10.

Info for manual annotations of cluster EA6:

- Start number 13 was manually annotated 5 times for cluster EA6.

Gene Information:

Gene: Chepli_47 Start: 33609, Stop: 32677, Start Num: 13

Candidate Starts for Chepli_47:

(7, 33681), (Start: 13 @33609 has 6 MA's), (16, 33552), (17, 33549), (18, 33528), (20, 33504), (21, 33444), (22, 33435), (24, 33390), (25, 33387), (26, 33375), (27, 33354), (28, 33333), (31, 33132), (32, 33090), (34, 33012), (35, 32988), (36, 32970), (38, 32922), (40, 32862), (42, 32802), (44, 32724),

Gene: Juanyo_45 Start: 33711, Stop: 32779, Start Num: 13

Candidate Starts for Juanyo_45:

(1, 33981), (6, 33789), (9, 33735), (11, 33726), (Start: 13 @33711 has 6 MA's), (14, 33696), (15, 33690), (18, 33630), (20, 33606), (21, 33546), (22, 33537), (24, 33492), (25, 33489), (27, 33456), (28, 33435), (30, 33285), (31, 33234), (32, 33192), (33, 33180), (34, 33114), (35, 33090), (38, 33024), (41, 32934), (42, 32904), (44, 32826), (45, 32817),

Gene: KatChan_47 Start: 33621, Stop: 32689, Start Num: 13

Candidate Starts for KatChan_47:

(7, 33693), (Start: 13 @33621 has 6 MA's), (16, 33564), (17, 33561), (18, 33540), (20, 33516), (21, 33456), (22, 33447), (24, 33402), (25, 33399), (26, 33387), (27, 33366), (28, 33345), (29, 33219), (30, 33195), (31, 33144), (32, 33102), (34, 33024), (35, 33000), (36, 32982), (38, 32934), (40, 32874), (42, 32814), (44, 32736),

Gene: Luna18_47 Start: 33621, Stop: 32689, Start Num: 13

Candidate Starts for Luna18_47:

(7, 33693), (Start: 13 @33621 has 6 MA's), (16, 33564), (17, 33561), (18, 33540), (20, 33516), (21, 33456), (22, 33447), (24, 33402), (25, 33399), (26, 33387), (27, 33366), (28, 33345), (29, 33219), (30, 33195), (31, 33144), (32, 33102), (34, 33024), (35, 33000), (36, 32982), (38, 32934), (40, 32874), (42, 32814), (44, 32736),

Gene: MiniVolent_44 Start: 33652, Stop: 32741, Start Num: 15

Candidate Starts for MiniVolent_44:

(1, 33943), (2, 33868), (6, 33751), (9, 33697), (11, 33688), (Start: 13 @33673 has 6 MA's), (14, 33658), (15, 33652), (18, 33592), (20, 33568), (21, 33508), (22, 33499), (24, 33454), (25, 33451), (27, 33418), (28, 33397), (30, 33247), (31, 33196), (32, 33154), (33, 33142), (34, 33076), (35, 33052), (38, 32986), (41, 32896), (42, 32866), (44, 32788), (45, 32779),

Gene: Morrigan_47 Start: 33573, Stop: 32641, Start Num: 13

Candidate Starts for Morrigan_47:

(10, 33591), (12, 33582), (Start: 13 @33573 has 6 MA's), (17, 33513), (18, 33492), (20, 33468), (21, 33408), (22, 33399), (23, 33384), (24, 33354), (25, 33351), (26, 33339), (27, 33318), (28, 33297), (30, 33147), (32, 33054), (34, 32976), (35, 32952), (36, 32934), (37, 32904), (38, 32886), (40, 32826), (42, 32766), (43, 32754), (44, 32688),

Gene: WilliamStrong_46 Start: 34165, Stop: 33236, Start Num: 13

Candidate Starts for WilliamStrong_46:

(3, 34321), (4, 34264), (5, 34249), (8, 34228), (Start: 13 @34165 has 6 MA's), (17, 34105), (19, 34081), (20, 34063), (21, 34003), (22, 33994), (24, 33949), (25, 33946), (28, 33892), (30, 33742), (31, 33691), (32, 33649), (33, 33637), (34, 33571), (35, 33547), (37, 33499), (38, 33481), (39, 33430), (40, 33421), (42, 33361), (44, 33283), (45, 33274),