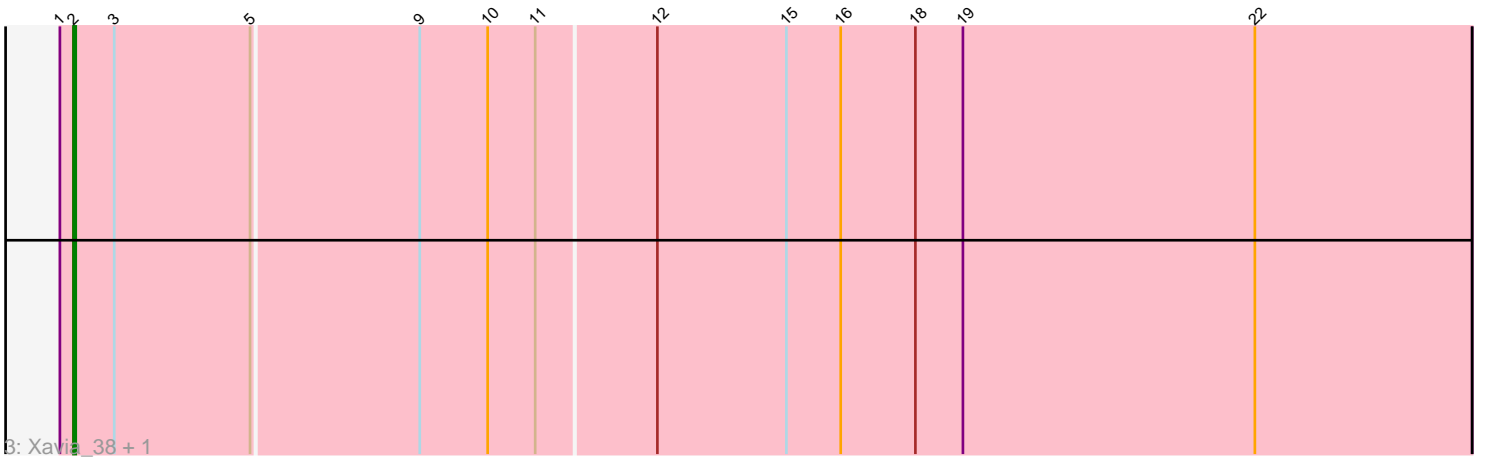
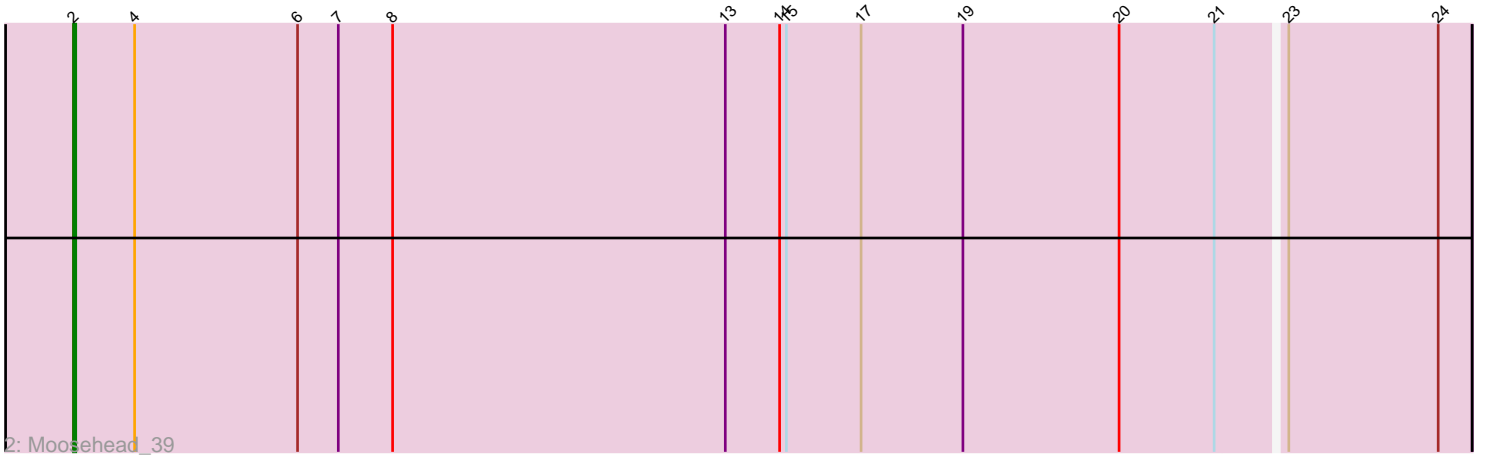
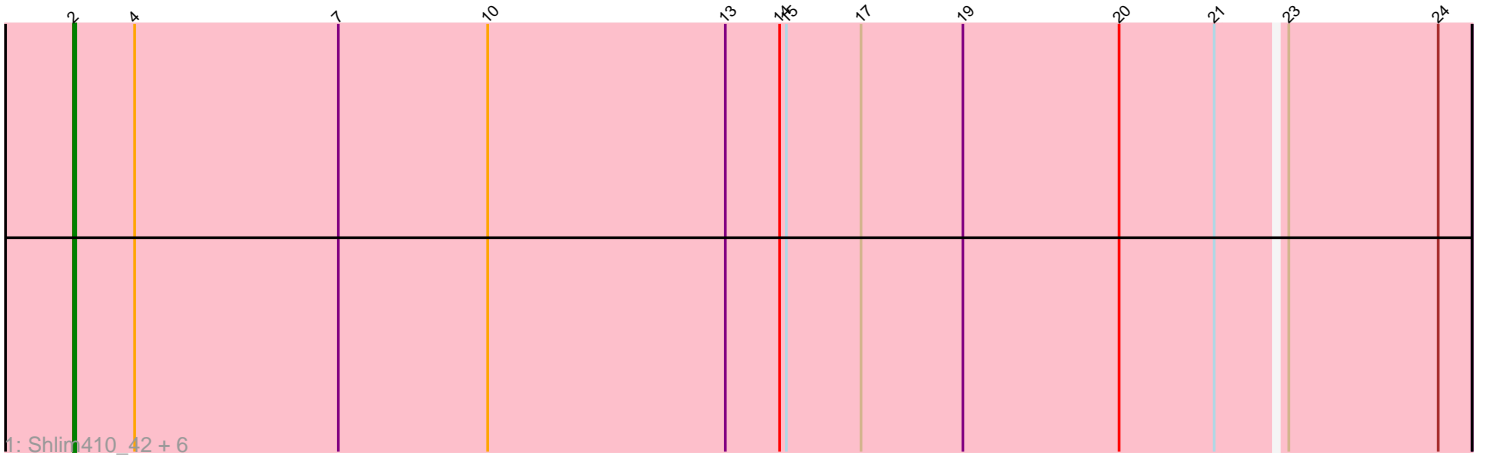


Pham 6384



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 6384 Report

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

Pham number 6384 has 10 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Shlim410_42, Oregono_43, Adora_41, Twinkle_43, Howe_44, Hortense_44, Annalisa_41
- Track 2 : Moosehead_39
- Track 3 : Xavia_38, Mao1_47

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

The start number called the most often in the published annotations is 2, it was called in 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Adora_41, Annalisa_41, Hortense_44, Howe_44, Mao1_47, Moosehead_39, Oregono_43, Shlim410_42, Twinkle_43, Xavia_38,

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 2:

- Found in 10 of 10 (100.0%) of genes in pham
- Manual Annotations of this start: 9 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Adora_41 (CZ4), Annalisa_41 (CZ4), Hortense_44 (CZ4), Howe_44 (CZ4), Mao1_47 (AD), Moosehead_39 (CZ6), Oregono_43 (CZ4), Shlim410_42 (CZ4), Twinkle_43 (CZ4), Xavia_38 (P3),

Summary by clusters:

There are 4 clusters represented in this pham: P3, CZ6, AD, CZ4,

Info for manual annotations of cluster AD:

- Start number 2 was manually annotated 1 time for cluster AD.

Info for manual annotations of cluster CZ4:

- Start number 2 was manually annotated 6 times for cluster CZ4.

Info for manual annotations of cluster CZ6:

- Start number 2 was manually annotated 1 time for cluster CZ6.

Info for manual annotations of cluster P3:

- Start number 2 was manually annotated 1 time for cluster P3.

Gene Information:

Gene: Adora_41 Start: 34036, Stop: 33425, Start Num: 2

Candidate Starts for Adora_41:

(Start: 2 @34036 has 9 MA's), (4, 34009), (7, 33919), (10, 33853), (13, 33748), (14, 33724), (15, 33721), (17, 33688), (19, 33643), (20, 33574), (21, 33532), (23, 33505), (24, 33439),

Gene: Annalisa_41 Start: 31393, Stop: 30782, Start Num: 2

Candidate Starts for Annalisa_41:

(Start: 2 @31393 has 9 MA's), (4, 31366), (7, 31276), (10, 31210), (13, 31105), (14, 31081), (15, 31078), (17, 31045), (19, 31000), (20, 30931), (21, 30889), (23, 30862), (24, 30796),

Gene: Hortense_44 Start: 35391, Stop: 34780, Start Num: 2

Candidate Starts for Hortense_44:

(Start: 2 @35391 has 9 MA's), (4, 35364), (7, 35274), (10, 35208), (13, 35103), (14, 35079), (15, 35076), (17, 35043), (19, 34998), (20, 34929), (21, 34887), (23, 34860), (24, 34794),

Gene: Howe_44 Start: 35391, Stop: 34780, Start Num: 2

Candidate Starts for Howe_44:

(Start: 2 @35391 has 9 MA's), (4, 35364), (7, 35274), (10, 35208), (13, 35103), (14, 35079), (15, 35076), (17, 35043), (19, 34998), (20, 34929), (21, 34887), (23, 34860), (24, 34794),

Gene: Mao1_47 Start: 41838, Stop: 41227, Start Num: 2

Candidate Starts for Mao1_47:

(1, 41844), (Start: 2 @41838 has 9 MA's), (3, 41820), (5, 41760), (9, 41688), (10, 41658), (11, 41637), (12, 41586), (15, 41529), (16, 41505), (18, 41472), (19, 41451), (22, 41322),

Gene: Moosehead_39 Start: 28152, Stop: 27541, Start Num: 2

Candidate Starts for Moosehead_39:

(Start: 2 @28152 has 9 MA's), (4, 28125), (6, 28053), (7, 28035), (8, 28011), (13, 27864), (14, 27840), (15, 27837), (17, 27804), (19, 27759), (20, 27690), (21, 27648), (23, 27621), (24, 27555),

Gene: Oregano_43 Start: 32026, Stop: 31415, Start Num: 2

Candidate Starts for Oregano_43:

(Start: 2 @32026 has 9 MA's), (4, 31999), (7, 31909), (10, 31843), (13, 31738), (14, 31714), (15, 31711), (17, 31678), (19, 31633), (20, 31564), (21, 31522), (23, 31495), (24, 31429),

Gene: Shlim410_42 Start: 35391, Stop: 34780, Start Num: 2

Candidate Starts for Shlim410_42:

(Start: 2 @35391 has 9 MA's), (4, 35364), (7, 35274), (10, 35208), (13, 35103), (14, 35079), (15, 35076), (17, 35043), (19, 34998), (20, 34929), (21, 34887), (23, 34860), (24, 34794),

Gene: Twinkle_43 Start: 36450, Stop: 35839, Start Num: 2

Candidate Starts for Twinkle_43:

(Start: 2 @36450 has 9 MA's), (4, 36423), (7, 36333), (10, 36267), (13, 36162), (14, 36138), (15, 36135), (17, 36102), (19, 36057), (20, 35988), (21, 35946), (23, 35919), (24, 35853),

Gene: Xavia_38 Start: 33316, Stop: 32705, Start Num: 2

Candidate Starts for Xavia_38:

(1, 33322), (Start: 2 @33316 has 9 MA's), (3, 33298), (5, 33238), (9, 33166), (10, 33136), (11, 33115), (12, 33064), (15, 33007), (16, 32983), (18, 32950), (19, 32929), (22, 32800),