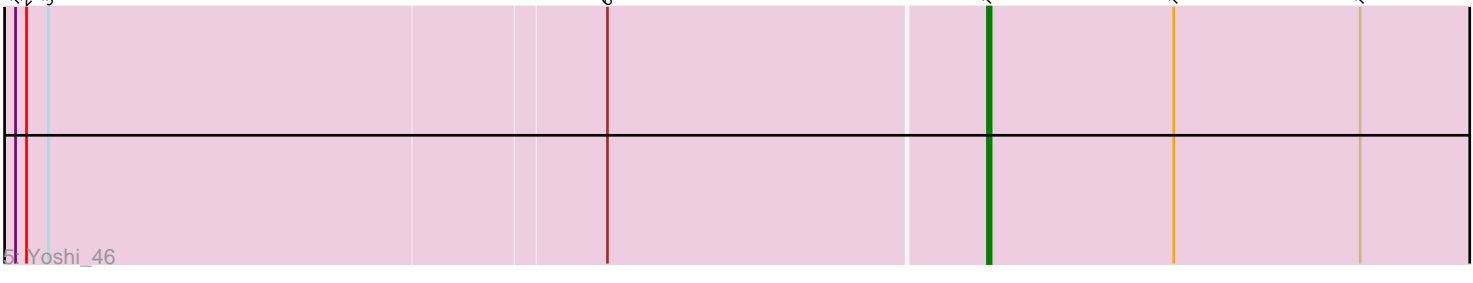
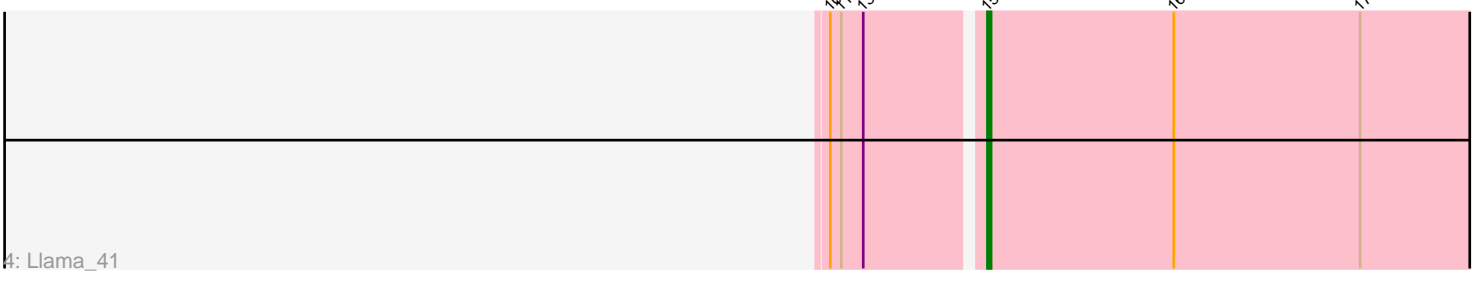
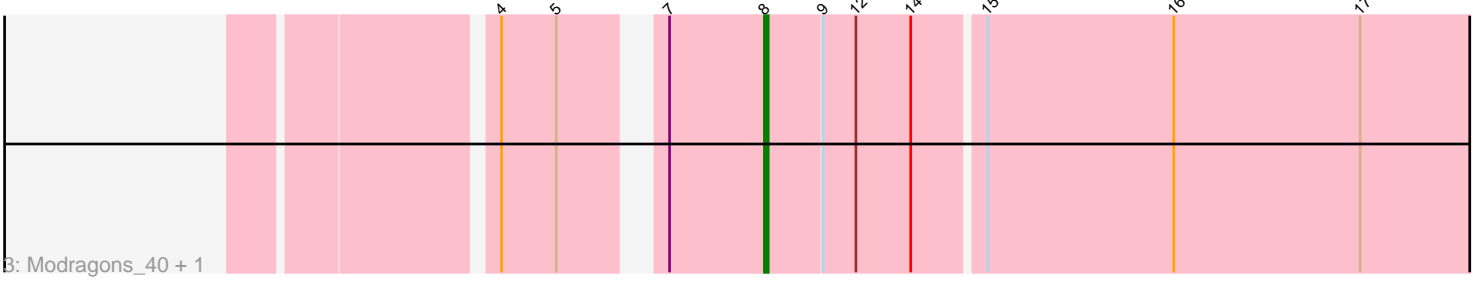
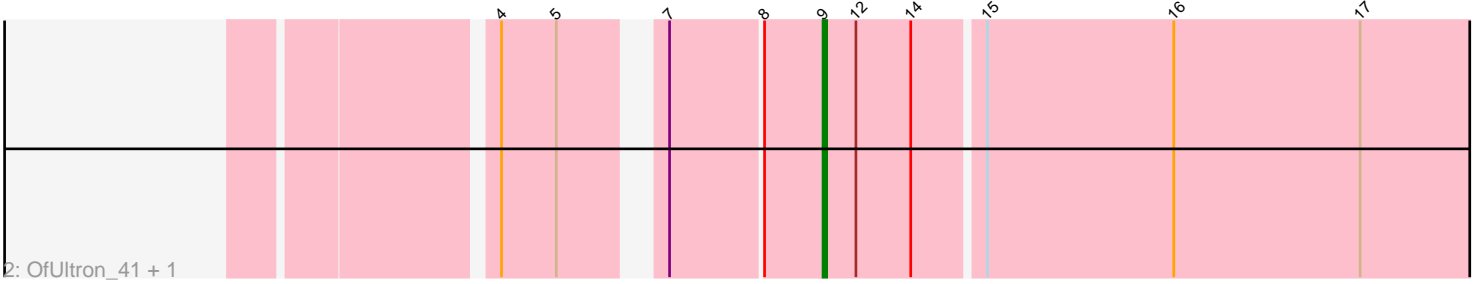
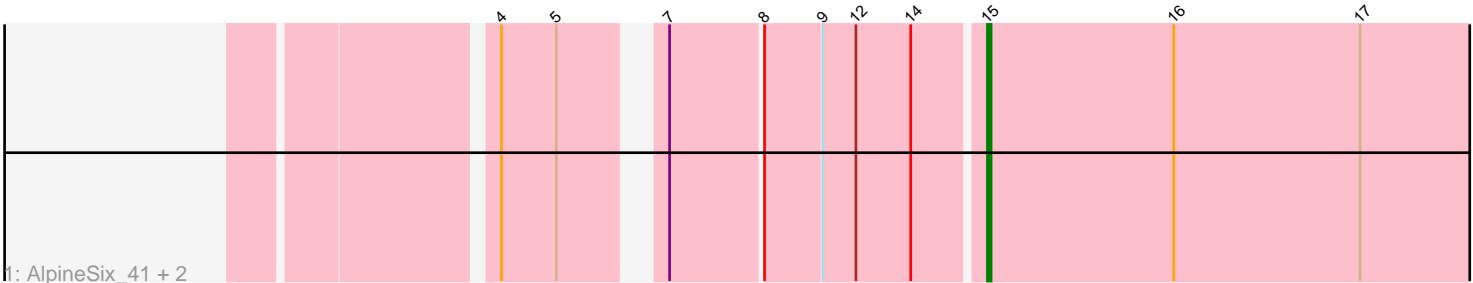


Pham 7850



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 7850 Report

This analysis was run 04/28/24 on database version 559.

Pham number 7850 has 9 members, 2 are drafts.

Phages represented in each track:

- Track 1 : AlpineSix_41, Oksu_41, Ochi17_39
- Track 2 : OfUltron_41, Seabastian_41
- Track 3 : Modragons_40, Jinglebell_40
- Track 4 : Llama_41
- Track 5 : Yoshi_46

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

The start number called the most often in the published annotations is 15, it was called in 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AlpineSix_41, Llama_41, Ochi17_39, Oksu_41, Yoshi_46,

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

- Jinglebell_40, Modragons_40, OfUltron_41, Seabastian_41,

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

-

Summary by start number:

Start 8:

- Found in 7 of 9 (77.8%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 28.6% of time when present
- Phage (with cluster) where this start called: Jinglebell_40 (F1), Modragons_40 (F1),

Start 9:

- Found in 7 of 9 (77.8%) of genes in pham
- Manual Annotations of this start: 2 of 7
- Called 28.6% of time when present
- Phage (with cluster) where this start called: OfUltron_41 (F1), Seabastian_41 (F1),

Start 15:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 4 of 7
- Called 55.6% of time when present
- Phage (with cluster) where this start called: AlpineSix_41 (F1), Llama_41 (F1), Ochi17_39 (F1), Oksu_41 (F1), Yoshi_46 (F2),

Summary by clusters:

There are 2 clusters represented in this pham: F1, F2,

Info for manual annotations of cluster F1:

- Start number 8 was manually annotated 1 time for cluster F1.
- Start number 9 was manually annotated 2 times for cluster F1.
- Start number 15 was manually annotated 3 times for cluster F1.

Info for manual annotations of cluster F2:

- Start number 15 was manually annotated 1 time for cluster F2.

Gene Information:

Gene: AlpineSix_41 Start: 31816, Stop: 31619, Start Num: 15

Candidate Starts for AlpineSix_41:

(4, 31933), (5, 31918), (7, 31897), (Start: 8 @31873 has 1 MA's), (Start: 9 @31858 has 2 MA's), (12, 31849), (14, 31834), (Start: 15 @31816 has 4 MA's), (16, 31765), (17, 31714),

Gene: Jinglebell_40 Start: 31872, Stop: 31618, Start Num: 8

Candidate Starts for Jinglebell_40:

(4, 31932), (5, 31917), (7, 31896), (Start: 8 @31872 has 1 MA's), (Start: 9 @31857 has 2 MA's), (12, 31848), (14, 31833), (Start: 15 @31815 has 4 MA's), (16, 31764), (17, 31713),

Gene: Llama_41 Start: 31814, Stop: 31617, Start Num: 15

Candidate Starts for Llama_41:

(10, 31853), (11, 31850), (13, 31844), (Start: 15 @31814 has 4 MA's), (16, 31763), (17, 31712),

Gene: Modragons_40 Start: 31716, Stop: 31462, Start Num: 8

Candidate Starts for Modragons_40:

(4, 31776), (5, 31761), (7, 31740), (Start: 8 @31716 has 1 MA's), (Start: 9 @31701 has 2 MA's), (12, 31692), (14, 31677), (Start: 15 @31659 has 4 MA's), (16, 31608), (17, 31557),

Gene: Ochi17_39 Start: 31266, Stop: 31069, Start Num: 15

Candidate Starts for Ochi17_39:

(4, 31383), (5, 31368), (7, 31347), (Start: 8 @31323 has 1 MA's), (Start: 9 @31308 has 2 MA's), (12, 31299), (14, 31284), (Start: 15 @31266 has 4 MA's), (16, 31215), (17, 31164),

Gene: OfUltron_41 Start: 31857, Stop: 31618, Start Num: 9

Candidate Starts for OfUltron_41:

(4, 31932), (5, 31917), (7, 31896), (Start: 8 @31872 has 1 MA's), (Start: 9 @31857 has 2 MA's), (12, 31848), (14, 31833), (Start: 15 @31815 has 4 MA's), (16, 31764), (17, 31713),

Gene: Oksu_41 Start: 31659, Stop: 31462, Start Num: 15

Candidate Starts for Oksu_41:

(4, 31776), (5, 31761), (7, 31740), (Start: 8 @31716 has 1 MA's), (Start: 9 @31701 has 2 MA's), (12, 31692), (14, 31677), (Start: 15 @31659 has 4 MA's), (16, 31608), (17, 31557),

Gene: Seabastian_41 Start: 31857, Stop: 31618, Start Num: 9

Candidate Starts for Seabastian_41:

(4, 31932), (5, 31917), (7, 31896), (Start: 8 @31872 has 1 MA's), (Start: 9 @31857 has 2 MA's), (12, 31848), (14, 31833), (Start: 15 @31815 has 4 MA's), (16, 31764), (17, 31713),

Gene: Yoshi_46 Start: 30767, Stop: 30570, Start Num: 15

Candidate Starts for Yoshi_46:

(1, 31028), (2, 31025), (3, 31019), (6, 30869), (Start: 15 @30767 has 4 MA's), (16, 30716), (17, 30665),