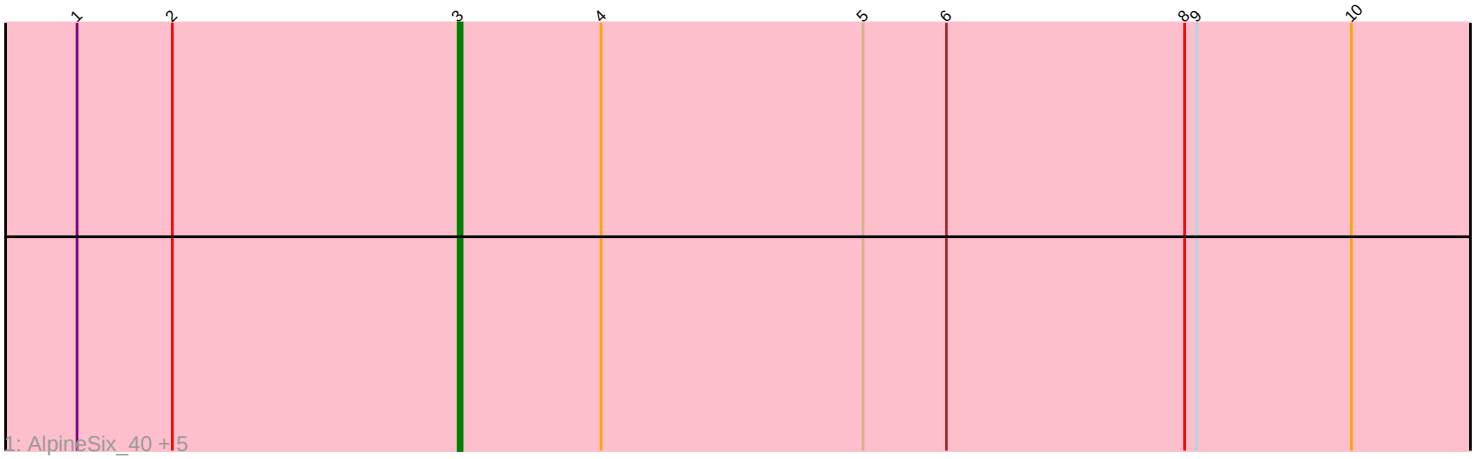
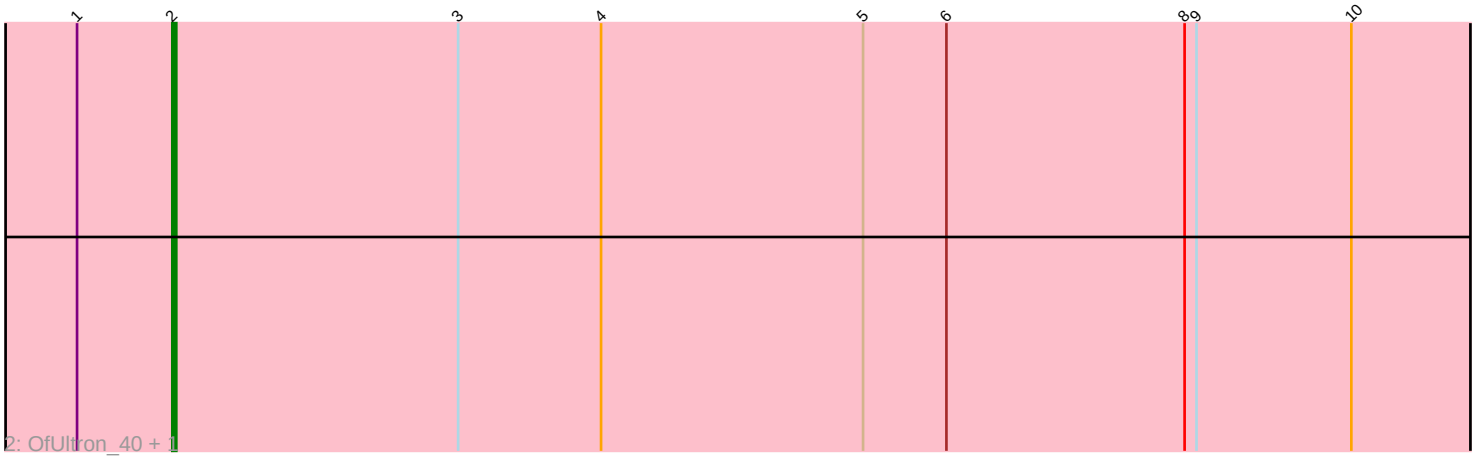
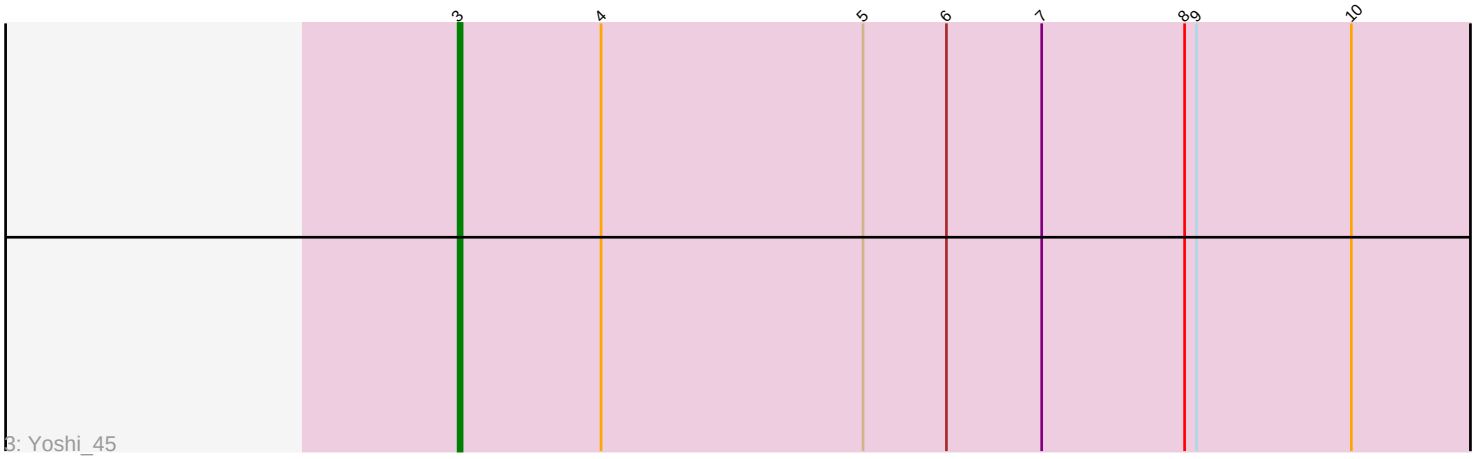
Pham 105481


1
2
3
4
5
6
8
9
10
1: AlpineSix_40 + 5


1
2
3
4
5
6
8
9
10
2: OfUltron_40 + 1


3
4
5
6
7
8
9
10
3: Yoshi_45

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 105481 Report

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

Pham number 105481 has 9 members, 2 are drafts.

Phages represented in each track:
• Track 1 : AlpineSix_40, Oksu_40, Ochi17_38, Modragons_39, Jinglebell_39, Llama_40
• Track 2 : OfUltron_40, Seabastian_40
• Track 3 : Yoshi_45

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

The start number called the most often in the published annotations is 3, it was called in 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AlpineSix_40, Jinglebell_39, Llama_40, Modragons_39, Ochi17_38, Oksu_40, Yoshi_45,

Genes that have the "Most Annotated" start but do not call it:
• OfUltron_40, Seabastian_40,

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

Summary by start number:

Start 2:
• Found in 8 of 9 (88.9%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 25.0% of time when present
• Phage (with cluster) where this start called: OfUltron_40 (F1), Seabastian_40 (F1),

Start 3:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 7
• Called 77.8% of time when present
• Phage (with cluster) where this start called: AlpineSix_40 (F1), Jinglebell_39 (F1), Llama_40 (F1), Modragons_39 (F1), Ochi17_38 (F1), Oksu_40 (F1), Yoshi_45 (F2),

Summary by clusters:

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

Info for manual annotations of cluster F1:
•Start number 2 was manually annotated 2 times for cluster F1.
•Start number 3 was manually annotated 4 times for cluster F1.

Info for manual annotations of cluster F2:
•Start number 3 was manually annotated 1 time for cluster F2.

Gene Information:

Gene: AlpineSix_40 Start: 31550, Stop: 31209, Start Num: 3
Candidate Starts for AlpineSix_40:
(1, 31646), (Start: 2 @31622 has 2 MA's), (Start: 3 @31550 has 5 MA's), (4, 31514), (5, 31448), (6, 31427), (8, 31367), (9, 31364), (10, 31325),

Gene: Jinglebell_39 Start: 31549, Stop: 31208, Start Num: 3
Candidate Starts for Jinglebell_39:
(1, 31645), (Start: 2 @31621 has 2 MA's), (Start: 3 @31549 has 5 MA's), (4, 31513), (5, 31447), (6, 31426), (8, 31366), (9, 31363), (10, 31324),

Gene: Llama_40 Start: 31548, Stop: 31207, Start Num: 3
Candidate Starts for Llama_40:
(1, 31644), (Start: 2 @31620 has 2 MA's), (Start: 3 @31548 has 5 MA's), (4, 31512), (5, 31446), (6, 31425), (8, 31365), (9, 31362), (10, 31323),

Gene: Modragons_39 Start: 31393, Stop: 31052, Start Num: 3
Candidate Starts for Modragons_39:
(1, 31489), (Start: 2 @31465 has 2 MA's), (Start: 3 @31393 has 5 MA's), (4, 31357), (5, 31291), (6, 31270), (8, 31210), (9, 31207), (10, 31168),

Gene: Ochi17_38 Start: 31000, Stop: 30659, Start Num: 3
Candidate Starts for Ochi17_38:
(1, 31096), (Start: 2 @31072 has 2 MA's), (Start: 3 @31000 has 5 MA's), (4, 30964), (5, 30898), (6, 30877), (8, 30817), (9, 30814), (10, 30775),

Gene: OfUltron_40 Start: 31621, Stop: 31208, Start Num: 2
Candidate Starts for OfUltron_40:
(1, 31645), (Start: 2 @31621 has 2 MA's), (Start: 3 @31549 has 5 MA's), (4, 31513), (5, 31447), (6, 31426), (8, 31366), (9, 31363), (10, 31324),

Gene: Oksu_40 Start: 31393, Stop: 31052, Start Num: 3
Candidate Starts for Oksu_40:
(1, 31489), (Start: 2 @31465 has 2 MA's), (Start: 3 @31393 has 5 MA's), (4, 31357), (5, 31291), (6, 31270), (8, 31210), (9, 31207), (10, 31168),

Gene: Seabastian_40 Start: 31621, Stop: 31208, Start Num: 2
Candidate Starts for Seabastian_40:

(1, 31645), (Start: 2 @31621 has 2 MA's), (Start: 3 @31549 has 5 MA's), (4, 31513), (5, 31447), (6, 31426), (8, 31366), (9, 31363), (10, 31324),

Gene: Yoshi_45 Start: 30501, Stop: 30160, Start Num: 3
Candidate Starts for Yoshi_45:
(Start: 3 @30501 has 5 MA's), (4, 30465), (5, 30399), (6, 30378), (7, 30354), (8, 30318), (9, 30315), (10, 30276),