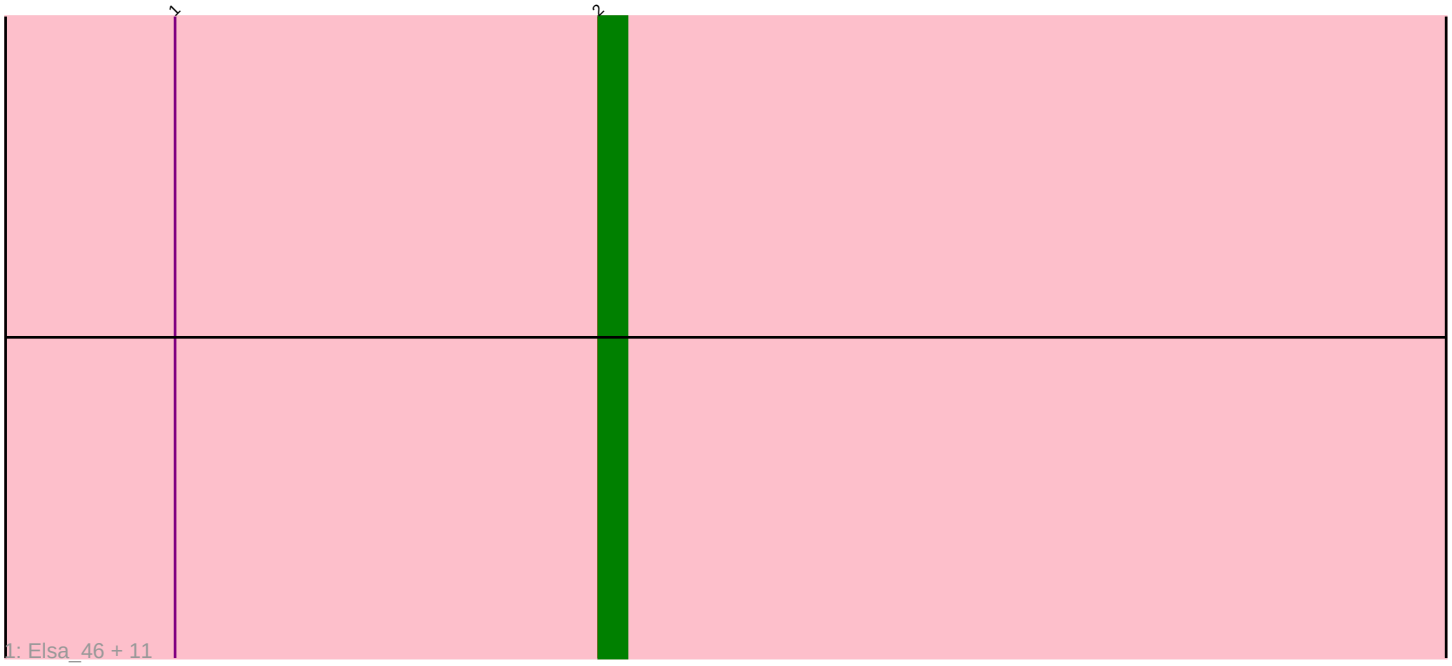
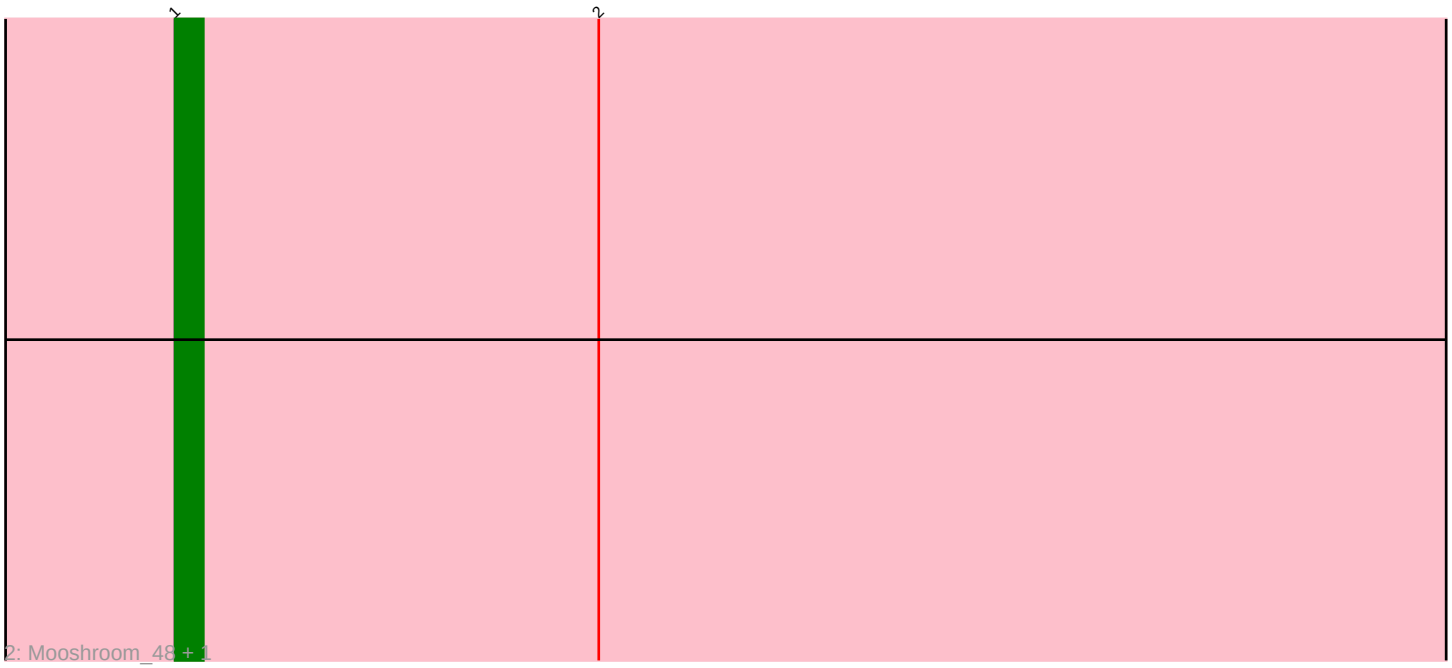
Pham 194456





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 194456 Report

This analysis was run 11/02/24 on database version 579.

Pham number 194456 has 14 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Elsa_46, Xenomorph_42, Tribby_46, GoCrazy_45, Correa_44, Hankly_45, Benllo_46, KeaneyLin_45, Cheesy_46, Kardesai_47, Nason_46, Arcadia_46
• Track 2 : Mooshroom_48, BenitoAntonio_46

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 11 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Arcadia_46, Benllo_46, Cheesy_46, Correa_44, Elsa_46, GoCrazy_45, Hankly_45, Kardesai_47, KeaneyLin_45, Nason_46, Tribby_46, Xenomorph_42,

Genes that have the "Most Annotated" start but do not call it:
• BenitoAntonio_46, Mooshroom_48,

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

Summary by start number:

Start 1:
• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 13
• Called 14.3% of time when present
• Phage (with cluster) where this start called: BenitoAntonio_46 (AM), Mooshroom_48 (AM),

Start 2:
• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 13
• Called 85.7% of time when present
• Phage (with cluster) where this start called: Arcadia_46 (AM), Benllo_46 (AM), Cheesy_46 (AM), Correa_44 (AM), Elsa_46 (AM), GoCrazy_45 (AM), Hankly_45

(AM), Kardesai_47 (AM), KeaneyLin_45 (AM), Nason_46 (AM), Tribby_46 (AM), Xenomorph_42 (AM),

Summary by clusters:

There is one cluster represented in this pham: AM

Info for manual annotations of cluster AM:
•Start number 1 was manually annotated 2 times for cluster AM.
•Start number 2 was manually annotated 11 times for cluster AM.

Gene Information:

Gene: Arcadia_46 Start: 31207, Stop: 31410, Start Num: 2
Candidate Starts for Arcadia_46:
(Start: 1 @31192 has 2 MA's), (Start: 2 @31207 has 11 MA's),

Gene: BenitoAntonio_46 Start: 30769, Stop: 30978, Start Num: 1
Candidate Starts for BenitoAntonio_46:
(Start: 1 @30769 has 2 MA's), (Start: 2 @30784 has 11 MA's),

Gene: Benllo_46 Start: 31468, Stop: 31662, Start Num: 2
Candidate Starts for Benllo_46:
(Start: 1 @31453 has 2 MA's), (Start: 2 @31468 has 11 MA's),

Gene: Cheesy_46 Start: 30905, Stop: 31099, Start Num: 2
Candidate Starts for Cheesy_46:
(Start: 1 @30890 has 2 MA's), (Start: 2 @30905 has 11 MA's),

Gene: Correa_44 Start: 30090, Stop: 30284, Start Num: 2
Candidate Starts for Correa_44:
(Start: 1 @30075 has 2 MA's), (Start: 2 @30090 has 11 MA's),

Gene: Elsa_46 Start: 31207, Stop: 31410, Start Num: 2
Candidate Starts for Elsa_46:
(Start: 1 @31192 has 2 MA's), (Start: 2 @31207 has 11 MA's),

Gene: GoCrazy_45 Start: 31096, Stop: 31290, Start Num: 2
Candidate Starts for GoCrazy_45:
(Start: 1 @31081 has 2 MA's), (Start: 2 @31096 has 11 MA's),

Gene: Hankly_45 Start: 30397, Stop: 30591, Start Num: 2
Candidate Starts for Hankly_45:
(Start: 1 @30382 has 2 MA's), (Start: 2 @30397 has 11 MA's),

Gene: Kardesai_47 Start: 31368, Stop: 31562, Start Num: 2
Candidate Starts for Kardesai_47:
(Start: 1 @31353 has 2 MA's), (Start: 2 @31368 has 11 MA's),

Gene: KeaneyLin_45 Start: 31096, Stop: 31290, Start Num: 2
Candidate Starts for KeaneyLin_45:

(Start: 1 @31081 has 2 MA's), (Start: 2 @31096 has 11 MA's),

Gene: Mooshroom_48 Start: 31353, Stop: 31562, Start Num: 1
Candidate Starts for Mooshroom_48:
(Start: 1 @31353 has 2 MA's), (Start: 2 @31368 has 11 MA's),

Gene: Nason_46 Start: 31207, Stop: 31410, Start Num: 2
Candidate Starts for Nason_46:
(Start: 1 @31192 has 2 MA's), (Start: 2 @31207 has 11 MA's),

Gene: Tribby_46 Start: 30923, Stop: 31117, Start Num: 2
Candidate Starts for Tribby_46:
(Start: 1 @30908 has 2 MA's), (Start: 2 @30923 has 11 MA's),

Gene: Xenomorph_42 Start: 30634, Stop: 30828, Start Num: 2
Candidate Starts for Xenomorph_42:
(Start: 1 @30619 has 2 MA's), (Start: 2 @30634 has 11 MA's),