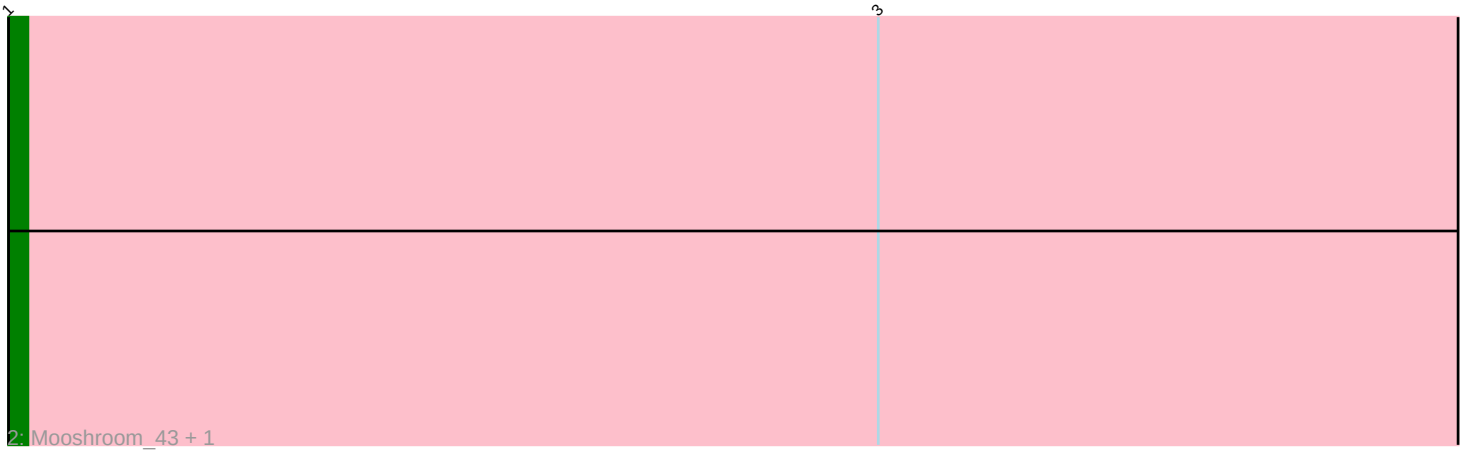
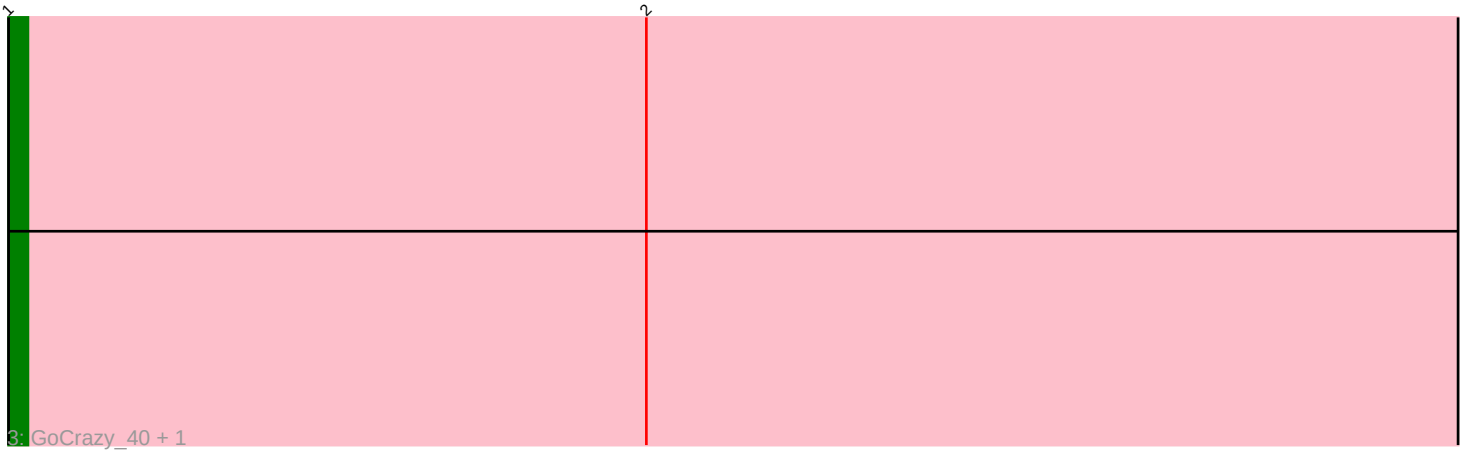
Pham 106618





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 106618 Report

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

Pham number 106618 has 20 members, 2 are drafts.

Phages represented in each track:
• Track 1 : JEGGS_41, Xenomorph_38, Elsa_42, Dynamite_41, Mudcat_39, NapoleonB_41, Arcadia_42, Hankly_41, Correa_39, Cheesy_41, Circum_43, Nason_42, BenitoAntonio_42, Heisenberger_41, Benllo_41, Tribby_41
• Track 2 : Mooshroom_43, Kardesai_43
• Track 3 : GoCrazy_40, KeaneyLin_40

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

The start number called the most often in the published annotations is 1, it was called in 18 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Arcadia_42, BenitoAntonio_42, Benllo_41, Cheesy_41, Circum_43, Correa_39, Dynamite_41, Elsa_42, GoCrazy_40, Hankly_41, Heisenberger_41, JEGGS_41, Kardesai_43, KeaneyLin_40, Mooshroom_43, Mudcat_39, NapoleonB_41, Nason_42, Tribby_41, Xenomorph_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 1:
• Found in 20 of 20 (100.0%) of genes in pham
• Manual Annotations of this start: 18 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arcadia_42 (AM), BenitoAntonio_42 (AM), Benllo_41 (AM), Cheesy_41 (AM), Circum_43 (AM), Correa_39 (AM), Dynamite_41 (AM), Elsa_42 (AM), GoCrazy_40 (AM), Hankly_41 (AM), Heisenberger_41 (AM), JEGGS_41 (AM), Kardesai_43 (AM), KeaneyLin_40 (AM), Mooshroom_43 (AM), Mudcat_39 (AM), NapoleonB_41 (AM), Nason_42 (AM),

Tribby_41 (AM), Xenomorph_38 (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 18 times for cluster AM.

Gene Information:

Gene: Arcadia_42 Start: 29604, Stop: 29720, Start Num: 1
Candidate Starts for Arcadia_42:
(Start: 1 @29604 has 18 MA's),

Gene: BenitoAntonio_42 Start: 29181, Stop: 29297, Start Num: 1
Candidate Starts for BenitoAntonio_42:
(Start: 1 @29181 has 18 MA's),

Gene: Benllo_41 Start: 29865, Stop: 29981, Start Num: 1
Candidate Starts for Benllo_41:
(Start: 1 @29865 has 18 MA's),

Gene: Cheesy_41 Start: 29034, Stop: 29150, Start Num: 1
Candidate Starts for Cheesy_41:
(Start: 1 @29034 has 18 MA's),

Gene: Circum_43 Start: 29694, Stop: 29810, Start Num: 1
Candidate Starts for Circum_43:
(Start: 1 @29694 has 18 MA's),

Gene: Correa_39 Start: 28219, Stop: 28335, Start Num: 1
Candidate Starts for Correa_39:
(Start: 1 @28219 has 18 MA's),

Gene: Dynamite_41 Start: 29246, Stop: 29362, Start Num: 1
Candidate Starts for Dynamite_41:
(Start: 1 @29246 has 18 MA's),

Gene: Elsa_42 Start: 29604, Stop: 29720, Start Num: 1
Candidate Starts for Elsa_42:
(Start: 1 @29604 has 18 MA's),

Gene: GoCrazy_40 Start: 29172, Stop: 29288, Start Num: 1
Candidate Starts for GoCrazy_40:
(Start: 1 @29172 has 18 MA's), (2, 29205),

Gene: Hankly_41 Start: 28717, Stop: 28833, Start Num: 1
Candidate Starts for Hankly_41:
(Start: 1 @28717 has 18 MA's),

Gene: Heisenberger_41 Start: 29045, Stop: 29161, Start Num: 1
Candidate Starts for Heisenberger_41:
(Start: 1 @29045 has 18 MA's),

Gene: JEGGS_41 Start: 29099, Stop: 29215, Start Num: 1
Candidate Starts for JEGGS_41:
(Start: 1 @29099 has 18 MA's),

Gene: Kardesai_43 Start: 29765, Stop: 29881, Start Num: 1
Candidate Starts for Kardesai_43:
(Start: 1 @29765 has 18 MA's), (3, 29810),

Gene: KeaneyLin_40 Start: 29172, Stop: 29288, Start Num: 1
Candidate Starts for KeaneyLin_40:
(Start: 1 @29172 has 18 MA's), (2, 29205),

Gene: Mooshroom_43 Start: 29765, Stop: 29881, Start Num: 1
Candidate Starts for Mooshroom_43:
(Start: 1 @29765 has 18 MA's), (3, 29810),

Gene: Mudcat_39 Start: 30458, Stop: 30574, Start Num: 1
Candidate Starts for Mudcat_39:
(Start: 1 @30458 has 18 MA's),

Gene: NapoleonB_41 Start: 29246, Stop: 29362, Start Num: 1
Candidate Starts for NapoleonB_41:
(Start: 1 @29246 has 18 MA's),

Gene: Nason_42 Start: 29604, Stop: 29720, Start Num: 1
Candidate Starts for Nason_42:
(Start: 1 @29604 has 18 MA's),

Gene: Tribby_41 Start: 29052, Stop: 29168, Start Num: 1
Candidate Starts for Tribby_41:
(Start: 1 @29052 has 18 MA's),

Gene: Xenomorph_38 Start: 29031, Stop: 29147, Start Num: 1
Candidate Starts for Xenomorph_38:
(Start: 1 @29031 has 18 MA's),