Pham 106610

1: Elsa_50 + 15

2: Cheesy_50 + 2

3: Tribby_50

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 106610 Report

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

Pham number 106610 has 20 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Elsa_50, GoCrazy_49, Dynamite_50, JEGGS_49, Circum_52, Hankly_49, Mooshroom_51, BenitoAntonio_50, Mudcat_47, NapoleonB_50, Benllo_51, Kardesai_51, Nason_50, Arcadia_50, Heisenberger_49, KeaneyLin_49
• Track 2 : Cheesy_50, Correa_48, Xenomorph_46
• Track 3 : Tribby_50

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_50, BenitoAntonio_50, Benllo_51, Cheesy_50, Circum_52, Correa_48, Dynamite_50, Elsa_50, GoCrazy_49, Hankly_49, Heisenberger_49, JEGGS_49, Kardesai_51, KeaneyLin_49, Mooshroom_51, Mudcat_47, NapoleonB_50, Nason_50, Tribby_50, Xenomorph_46,

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_50 (AM), BenitoAntonio_50 (AM), Benllo_51 (AM), Cheesy_50 (AM), Circum_52 (AM), Correa_48 (AM), Dynamite_50 (AM), Elsa_50 (AM), GoCrazy_49 (AM), Hankly_49 (AM), Heisenberger_49 (AM), JEGGS_49 (AM), Kardesai_51 (AM), KeaneyLin_49 (AM), Mooshroom_51 (AM), Mudcat_47 (AM), NapoleonB_50 (AM), Nason_50 (AM),

Tribby_50 (AM), Xenomorph_46 (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_50 Start: 32889, Stop: 33080, Start Num: 1
Candidate Starts for Arcadia_50:
(Start: 1 @32889 has 18 MA's),

Gene: BenitoAntonio_50 Start: 32425, Stop: 32616, Start Num: 1
Candidate Starts for BenitoAntonio_50:
(Start: 1 @32425 has 18 MA's),

Gene: Benllo_51 Start: 33103, Stop: 33294, Start Num: 1
Candidate Starts for Benllo_51:
(Start: 1 @33103 has 18 MA's),

Gene: Cheesy_50 Start: 32610, Stop: 32801, Start Num: 1
Candidate Starts for Cheesy_50:
(Start: 1 @32610 has 18 MA's), (2, 32655),

Gene: Circum_52 Start: 33294, Stop: 33485, Start Num: 1
Candidate Starts for Circum_52:
(Start: 1 @33294 has 18 MA's),

Gene: Correa_48 Start: 31756, Stop: 31947, Start Num: 1
Candidate Starts for Correa_48:
(Start: 1 @31756 has 18 MA's), (2, 31801),

Gene: Dynamite_50 Start: 32825, Stop: 33016, Start Num: 1
Candidate Starts for Dynamite_50:
(Start: 1 @32825 has 18 MA's),

Gene: Elsa_50 Start: 32889, Stop: 33080, Start Num: 1
Candidate Starts for Elsa_50:
(Start: 1 @32889 has 18 MA's),

Gene: GoCrazy_49 Start: 32759, Stop: 32950, Start Num: 1
Candidate Starts for GoCrazy_49:
(Start: 1 @32759 has 18 MA's),

Gene: Hankly_49 Start: 32033, Stop: 32224, Start Num: 1
Candidate Starts for Hankly_49:
(Start: 1 @32033 has 18 MA's),

Gene: Heisenberger_49 Start: 32314, Stop: 32505, Start Num: 1
Candidate Starts for Heisenberger_49:
(Start: 1 @32314 has 18 MA's),

Gene: JEGGS_49 Start: 32369, Stop: 32560, Start Num: 1
Candidate Starts for JEGGS_49:
(Start: 1 @32369 has 18 MA's),

Gene: Kardesai_51 Start: 33003, Stop: 33194, Start Num: 1
Candidate Starts for Kardesai_51:
(Start: 1 @33003 has 18 MA's),

Gene: KeaneyLin_49 Start: 32759, Stop: 32950, Start Num: 1
Candidate Starts for KeaneyLin_49:
(Start: 1 @32759 has 18 MA's),

Gene: Mooshroom_51 Start: 33003, Stop: 33194, Start Num: 1
Candidate Starts for Mooshroom_51:
(Start: 1 @33003 has 18 MA's),

Gene: Mudcat_47 Start: 33727, Stop: 33918, Start Num: 1
Candidate Starts for Mudcat_47:
(Start: 1 @33727 has 18 MA's),

Gene: NapoleonB_50 Start: 32825, Stop: 33016, Start Num: 1
Candidate Starts for NapoleonB_50:
(Start: 1 @32825 has 18 MA's),

Gene: Nason_50 Start: 32889, Stop: 33080, Start Num: 1
Candidate Starts for Nason_50:
(Start: 1 @32889 has 18 MA's),

Gene: Tribby_50 Start: 32567, Stop: 32758, Start Num: 1
Candidate Starts for Tribby_50:
(Start: 1 @32567 has 18 MA's), (2, 32612), (3, 32699),

Gene: Xenomorph_46 Start: 32300, Stop: 32491, Start Num: 1
Candidate Starts for Xenomorph_46:
(Start: 1 @32300 has 18 MA's), (2, 32345),