Pham 106621

1: Nason_32 + 4

2: JEGGS_31 + 2

3: BenitoAntonio_32

4: Circum_33 + 5

5: Mudcat_30 + 2

6: Benllo_31

7: Xenomorph_29

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 106621 Report

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

Pham number 106621 has 20 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Nason_32, Arcadia_32, Elsa_32, Tribby_32, Correa_30
• Track 2 : JEGGS_31, Cheesy_32, Heisenberger_31
• Track 3 : BenitoAntonio_32
• Track 4 : Circum_33, Mooshroom_33, Hankly_31, KeaneyLin_30, GoCrazy_30, Kardesai_33
• Track 5 : Mudcat_30, Dynamite_32, NapoleonB_32
• Track 6 : Benllo_31
• Track 7 : Xenomorph_29

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_32, BenitoAntonio_32, Benllo_31, Cheesy_32, Circum_33, Correa_30, Dynamite_32, Elsa_32, GoCrazy_30, Hankly_31, Heisenberger_31, JEGGS_31, Kardesai_33, KeaneyLin_30, Mooshroom_33, Mudcat_30, NapoleonB_32, Nason_32, Tribby_32, Xenomorph_29,

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_32 (AM), BenitoAntonio_32 (AM), Benllo_31 (AM), Cheesy_32 (AM), Circum_33 (AM), Correa_30 (AM),

Dynamite_32 (AM), Elsa_32 (AM), GoCrazy_30 (AM), Hankly_31 (AM), Heisenberger_31 (AM), JEGGS_31 (AM), Kardesai_33 (AM), KeaneyLin_30 (AM), Mooshroom_33 (AM), Mudcat_30 (AM), NapoleonB_32 (AM), Nason_32 (AM), Tribby_32 (AM), Xenomorph_29 (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_32 Start: 26583, Stop: 26783, Start Num: 1
Candidate Starts for Arcadia_32:
(Start: 1 @26583 has 18 MA's), (2, 26649),

Gene: BenitoAntonio_32 Start: 26199, Stop: 26399, Start Num: 1
Candidate Starts for BenitoAntonio_32:
(Start: 1 @26199 has 18 MA's), (2, 26265), (3, 26322),

Gene: Benllo_31 Start: 26873, Stop: 27070, Start Num: 1
Candidate Starts for Benllo_31:
(Start: 1 @26873 has 18 MA's), (2, 26936), (3, 26993),

Gene: Cheesy_32 Start: 26301, Stop: 26498, Start Num: 1
Candidate Starts for Cheesy_32:
(Start: 1 @26301 has 18 MA's), (2, 26364), (3, 26421),

Gene: Circum_33 Start: 26707, Stop: 26904, Start Num: 1
Candidate Starts for Circum_33:
(Start: 1 @26707 has 18 MA's), (2, 26770),

Gene: Correa_30 Start: 25490, Stop: 25690, Start Num: 1
Candidate Starts for Correa_30:
(Start: 1 @25490 has 18 MA's), (2, 25556),

Gene: Dynamite_32 Start: 26534, Stop: 26731, Start Num: 1
Candidate Starts for Dynamite_32:
(Start: 1 @26534 has 18 MA's), (2, 26597),

Gene: Elsa_32 Start: 26583, Stop: 26783, Start Num: 1
Candidate Starts for Elsa_32:
(Start: 1 @26583 has 18 MA's), (2, 26649),

Gene: GoCrazy_30 Start: 26181, Stop: 26378, Start Num: 1
Candidate Starts for GoCrazy_30:
(Start: 1 @26181 has 18 MA's), (2, 26244),

Gene: Hankly_31 Start: 25730, Stop: 25927, Start Num: 1

Candidate Starts for Hankly_31:
(Start: 1 @25730 has 18 MA's), (2, 25793),

Gene: Heisenberger_31 Start: 25981, Stop: 26178, Start Num: 1
Candidate Starts for Heisenberger_31:
(Start: 1 @25981 has 18 MA's), (2, 26044), (3, 26101),

Gene: JEGGS_31 Start: 26035, Stop: 26232, Start Num: 1
Candidate Starts for JEGGS_31:
(Start: 1 @26035 has 18 MA's), (2, 26098), (3, 26155),

Gene: Kardesai_33 Start: 26760, Stop: 26957, Start Num: 1
Candidate Starts for Kardesai_33:
(Start: 1 @26760 has 18 MA's), (2, 26823),

Gene: KeaneyLin_30 Start: 26181, Stop: 26378, Start Num: 1
Candidate Starts for KeaneyLin_30:
(Start: 1 @26181 has 18 MA's), (2, 26244),

Gene: Mooshroom_33 Start: 26760, Stop: 26957, Start Num: 1
Candidate Starts for Mooshroom_33:
(Start: 1 @26760 has 18 MA's), (2, 26823),

Gene: Mudcat_30 Start: 27687, Stop: 27884, Start Num: 1
Candidate Starts for Mudcat_30:
(Start: 1 @27687 has 18 MA's), (2, 27750),

Gene: NapoleonB_32 Start: 26534, Stop: 26731, Start Num: 1
Candidate Starts for NapoleonB_32:
(Start: 1 @26534 has 18 MA's), (2, 26597),

Gene: Nason_32 Start: 26583, Stop: 26783, Start Num: 1
Candidate Starts for Nason_32:
(Start: 1 @26583 has 18 MA's), (2, 26649),

Gene: Tribby_32 Start: 26298, Stop: 26498, Start Num: 1
Candidate Starts for Tribby_32:
(Start: 1 @26298 has 18 MA's), (2, 26364),

Gene: Xenomorph_29 Start: 26037, Stop: 26237, Start Num: 1
Candidate Starts for Xenomorph_29:
(Start: 1 @26037 has 18 MA's), (2, 26103),