



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 106630 Report

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

Pham number 106630 has 20 members, 2 are drafts.

Phages represented in each track:

- Track 1 : NapoleonB_34, Arcadia_34, Nason_34, JEGGS_33, Benllo_33, Hankly_33, Kardesai_35, Mudcat_32, BenitoAntonio_34, Dynamite_34, Tribby_34, Mooshroom_35, Elsa_34, Circum_35, Heisenberger_33
- Track 2 : Xenomorph_31, Correa_32, Cheesy_34
- Track 3 : KeaneyLin_32, GoCrazy_32

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_34, BenitoAntonio_34, Benllo_33, Cheesy_34, Circum_35, Correa_32, Dynamite_34, Elsa_34, GoCrazy_32, Hankly_33, Heisenberger_33, JEGGS_33, Kardesai_35, KeaneyLin_32, Mooshroom_35, Mudcat_32, NapoleonB_34, Nason_34, Tribby_34, Xenomorph_31,

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_34 (AM), BenitoAntonio_34 (AM), Benllo_33 (AM), Cheesy_34 (AM), Circum_35 (AM), Correa_32 (AM), Dynamite_34 (AM), Elsa_34 (AM), GoCrazy_32 (AM), Hankly_33 (AM), Heisenberger_33 (AM), JEGGS_33 (AM), Kardesai_35 (AM), KeaneyLin_32 (AM), Mooshroom_35 (AM), Mudcat_32 (AM), NapoleonB_34 (AM), Nason_34 (AM),

Tribby_34 (AM), Xenomorph_31 (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_34 Start: 27031, Stop: 27219, Start Num: 1

Candidate Starts for Arcadia_34:

(Start: 1 @27031 has 18 MA's), (4, 27160),

Gene: BenitoAntonio_34 Start: 26647, Stop: 26835, Start Num: 1

Candidate Starts for BenitoAntonio_34:

(Start: 1 @26647 has 18 MA's), (4, 26776),

Gene: Benllo_33 Start: 27318, Stop: 27506, Start Num: 1

Candidate Starts for Benllo_33:

(Start: 1 @27318 has 18 MA's), (4, 27447),

Gene: Cheesy_34 Start: 26746, Stop: 26940, Start Num: 1

Candidate Starts for Cheesy_34:

(Start: 1 @26746 has 18 MA's), (3, 26866),

Gene: Circum_35 Start: 27152, Stop: 27340, Start Num: 1

Candidate Starts for Circum_35:

(Start: 1 @27152 has 18 MA's), (4, 27281),

Gene: Correa_32 Start: 25938, Stop: 26132, Start Num: 1

Candidate Starts for Correa_32:

(Start: 1 @25938 has 18 MA's), (3, 26058),

Gene: Dynamite_34 Start: 26979, Stop: 27167, Start Num: 1

Candidate Starts for Dynamite_34:

(Start: 1 @26979 has 18 MA's), (4, 27108),

Gene: Elsa_34 Start: 27031, Stop: 27219, Start Num: 1

Candidate Starts for Elsa_34:

(Start: 1 @27031 has 18 MA's), (4, 27160),

Gene: GoCrazy_32 Start: 26626, Stop: 26814, Start Num: 1

Candidate Starts for GoCrazy_32:

(Start: 1 @26626 has 18 MA's), (2, 26692), (4, 26755),

Gene: Hankly_33 Start: 26175, Stop: 26363, Start Num: 1

Candidate Starts for Hankly_33:

(Start: 1 @26175 has 18 MA's), (4, 26304),

Gene: Heisenberger_33 Start: 26426, Stop: 26614, Start Num: 1
Candidate Starts for Heisenberger_33:
(Start: 1 @26426 has 18 MA's), (4, 26555),

Gene: JEGGS_33 Start: 26480, Stop: 26668, Start Num: 1
Candidate Starts for JEGGS_33:
(Start: 1 @26480 has 18 MA's), (4, 26609),

Gene: Kardesai_35 Start: 27205, Stop: 27393, Start Num: 1
Candidate Starts for Kardesai_35:
(Start: 1 @27205 has 18 MA's), (4, 27334),

Gene: KeaneyLin_32 Start: 26626, Stop: 26814, Start Num: 1
Candidate Starts for KeaneyLin_32:
(Start: 1 @26626 has 18 MA's), (2, 26692), (4, 26755),

Gene: Mooshroom_35 Start: 27205, Stop: 27393, Start Num: 1
Candidate Starts for Mooshroom_35:
(Start: 1 @27205 has 18 MA's), (4, 27334),

Gene: Mudcat_32 Start: 28132, Stop: 28320, Start Num: 1
Candidate Starts for Mudcat_32:
(Start: 1 @28132 has 18 MA's), (4, 28261),

Gene: NapoleonB_34 Start: 26979, Stop: 27167, Start Num: 1
Candidate Starts for NapoleonB_34:
(Start: 1 @26979 has 18 MA's), (4, 27108),

Gene: Nason_34 Start: 27031, Stop: 27219, Start Num: 1
Candidate Starts for Nason_34:
(Start: 1 @27031 has 18 MA's), (4, 27160),

Gene: Tribby_34 Start: 26746, Stop: 26934, Start Num: 1
Candidate Starts for Tribby_34:
(Start: 1 @26746 has 18 MA's), (4, 26875),

Gene: Xenomorph_31 Start: 26722, Stop: 26916, Start Num: 1
Candidate Starts for Xenomorph_31:
(Start: 1 @26722 has 18 MA's), (3, 26842),