



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 216560 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216560 has 21 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Dynamite_72, Heisenberger_71, Hankly_72, KeaneyLin_68, GoCrazy_69, Kardesai_72, NapoleonB_73, Mudcat_68, JEGGS_71, Circum_74, BenitoAntonio_71, Bowling_73, Benllo_73, Mooshroom_73
- Track 2 : Correa_71, Cheesy_73, Elsa_72, Nason_72, Xenomorph_69, Arcadia_72, Tribby_76

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 19 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Arcadia_72, BenitoAntonio_71, Benllo_73, Bowling_73, Cheesy_73, Circum_74, Correa_71, Dynamite_72, Elsa_72, GoCrazy_69, Hankly_72, Heisenberger_71, JEGGS_71, Kardesai_72, KeaneyLin_68, Mooshroom_73, Mudcat_68, NapoleonB_73, Nason_72, Tribby_76, Xenomorph_69,

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 21 of 21 (100.0%) of genes in pham
- Manual Annotations of this start: 19 of 19
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arcadia_72 (AM), BenitoAntonio_71 (AM), Benllo_73 (AM), Bowling_73 (AM), Cheesy_73 (AM), Circum_74 (AM), Correa_71 (AM), Dynamite_72 (AM), Elsa_72 (AM), GoCrazy_69 (AM), Hankly_72 (AM), Heisenberger_71 (AM), JEGGS_71 (AM), Kardesai_72 (AM), KeaneyLin_68 (AM), Mooshroom_73 (AM), Mudcat_68 (AM), NapoleonB_73 (AM), Nason_72 (AM),

Tribby_76 (AM), Xenomorph_69 (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 19 times for cluster AM.

Gene Information:

Gene: Arcadia_72 Start: 44474, Stop: 44782, Start Num: 1

Candidate Starts for Arcadia_72:

(Start: 1 @44474 has 19 MA's), (3, 44576), (4, 44612), (7, 44675), (8, 44705),

Gene: BenitoAntonio_71 Start: 44114, Stop: 44425, Start Num: 1

Candidate Starts for BenitoAntonio_71:

(Start: 1 @44114 has 19 MA's), (2, 44177), (4, 44255), (5, 44276), (6, 44300), (7, 44318), (8, 44348),

Gene: Benllo_73 Start: 44792, Stop: 45103, Start Num: 1

Candidate Starts for Benllo_73:

(Start: 1 @44792 has 19 MA's), (2, 44855), (4, 44933), (5, 44954), (6, 44978), (7, 44996), (8, 45026),

Gene: Bowling_73 Start: 45068, Stop: 45379, Start Num: 1

Candidate Starts for Bowling_73:

(Start: 1 @45068 has 19 MA's), (2, 45131), (4, 45209), (5, 45230), (6, 45254), (7, 45272), (8, 45302),

Gene: Cheesy_73 Start: 44267, Stop: 44575, Start Num: 1

Candidate Starts for Cheesy_73:

(Start: 1 @44267 has 19 MA's), (3, 44369), (4, 44405), (7, 44468), (8, 44498),

Gene: Circum_74 Start: 44882, Stop: 45193, Start Num: 1

Candidate Starts for Circum_74:

(Start: 1 @44882 has 19 MA's), (2, 44945), (4, 45023), (5, 45044), (6, 45068), (7, 45086), (8, 45116),

Gene: Correa_71 Start: 43841, Stop: 44149, Start Num: 1

Candidate Starts for Correa_71:

(Start: 1 @43841 has 19 MA's), (3, 43943), (4, 43979), (7, 44042), (8, 44072),

Gene: Dynamite_72 Start: 44325, Stop: 44636, Start Num: 1

Candidate Starts for Dynamite_72:

(Start: 1 @44325 has 19 MA's), (2, 44388), (4, 44466), (5, 44487), (6, 44511), (7, 44529), (8, 44559),

Gene: Elsa_72 Start: 44474, Stop: 44782, Start Num: 1

Candidate Starts for Elsa_72:

(Start: 1 @44474 has 19 MA's), (3, 44576), (4, 44612), (7, 44675), (8, 44705),

Gene: GoCrazy_69 Start: 43769, Stop: 44080, Start Num: 1

Candidate Starts for GoCrazy_69:

(Start: 1 @43769 has 19 MA's), (2, 43832), (4, 43910), (5, 43931), (6, 43955), (7, 43973), (8, 44003),

Gene: Hankly_72 Start: 43963, Stop: 44274, Start Num: 1
Candidate Starts for Hankly_72:
(Start: 1 @43963 has 19 MA's), (2, 44026), (4, 44104), (5, 44125), (6, 44149), (7, 44167), (8, 44197),

Gene: Heisenberger_71 Start: 43731, Stop: 44042, Start Num: 1
Candidate Starts for Heisenberger_71:
(Start: 1 @43731 has 19 MA's), (2, 43794), (4, 43872), (5, 43893), (6, 43917), (7, 43935), (8, 43965),

Gene: JEGGS_71 Start: 43810, Stop: 44121, Start Num: 1
Candidate Starts for JEGGS_71:
(Start: 1 @43810 has 19 MA's), (2, 43873), (4, 43951), (5, 43972), (6, 43996), (7, 44014), (8, 44044),

Gene: Kardesai_72 Start: 44083, Stop: 44394, Start Num: 1
Candidate Starts for Kardesai_72:
(Start: 1 @44083 has 19 MA's), (2, 44146), (4, 44224), (5, 44245), (6, 44269), (7, 44287), (8, 44317),

Gene: KeaneyLin_68 Start: 43769, Stop: 44080, Start Num: 1
Candidate Starts for KeaneyLin_68:
(Start: 1 @43769 has 19 MA's), (2, 43832), (4, 43910), (5, 43931), (6, 43955), (7, 43973), (8, 44003),

Gene: Mooshroom_73 Start: 44083, Stop: 44394, Start Num: 1
Candidate Starts for Mooshroom_73:
(Start: 1 @44083 has 19 MA's), (2, 44146), (4, 44224), (5, 44245), (6, 44269), (7, 44287), (8, 44317),

Gene: Mudcat_68 Start: 45168, Stop: 45479, Start Num: 1
Candidate Starts for Mudcat_68:
(Start: 1 @45168 has 19 MA's), (2, 45231), (4, 45309), (5, 45330), (6, 45354), (7, 45372), (8, 45402),

Gene: NapoleonB_73 Start: 44325, Stop: 44636, Start Num: 1
Candidate Starts for NapoleonB_73:
(Start: 1 @44325 has 19 MA's), (2, 44388), (4, 44466), (5, 44487), (6, 44511), (7, 44529), (8, 44559),

Gene: Nason_72 Start: 44474, Stop: 44782, Start Num: 1
Candidate Starts for Nason_72:
(Start: 1 @44474 has 19 MA's), (3, 44576), (4, 44612), (7, 44675), (8, 44705),

Gene: Tribby_76 Start: 45227, Stop: 45535, Start Num: 1
Candidate Starts for Tribby_76:
(Start: 1 @45227 has 19 MA's), (3, 45329), (4, 45365), (7, 45428), (8, 45458),

Gene: Xenomorph_69 Start: 44753, Stop: 45061, Start Num: 1
Candidate Starts for Xenomorph_69:
(Start: 1 @44753 has 19 MA's), (3, 44855), (4, 44891), (7, 44954), (8, 44984),