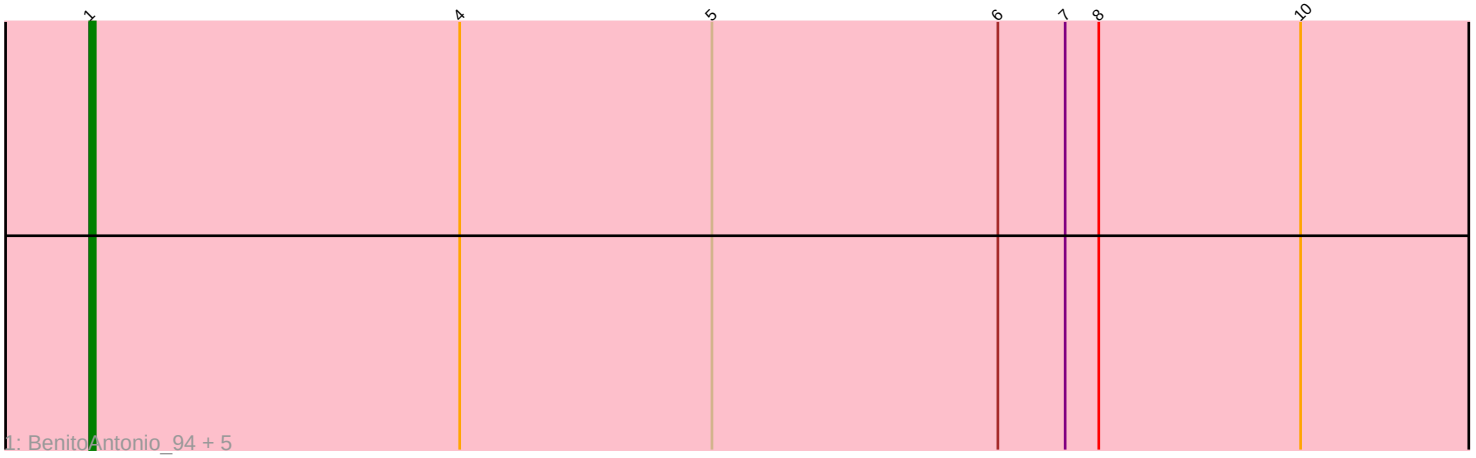
Pham 106708


1
4
5
6
7
8
10
1: BenitoAntonio_94 + 5


1
2
4
8
9
2: Correa_91 + 4


1
2
3
4
7
8
9
3: Mooshroom_95 + 3

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 106708 Report

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

Pham number 106708 has 15 members, 2 are drafts.

Phages represented in each track:
• Track 1 : BenitoAntonio_94, Cheesy_97, Elsa_93, Tribby_98, Nason_93, Arcadia_93
• Track 2 : Correa_91, Mudcat_90, Xenomorph_91, JEGGS_95, Heisenberger_95
• Track 3 : Mooshroom_95, Hankly_97, Kardesai_95, Benllo_95

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 13 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Arcadia_93, BenitoAntonio_94, Benllo_95, Cheesy_97, Correa_91, Elsa_93, Hankly_97, Heisenberger_95, JEGGS_95, Kardesai_95, Mooshroom_95, Mudcat_90, Nason_93, Tribby_98, Xenomorph_91,

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 15 of 15 (100.0%) of genes in pham
• Manual Annotations of this start: 13 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arcadia_93 (AM), BenitoAntonio_94 (AM), Benllo_95 (AM), Cheesy_97 (AM), Correa_91 (AM), Elsa_93 (AM), Hankly_97 (AM), Heisenberger_95 (AM), JEGGS_95 (AM), Kardesai_95 (AM), Mooshroom_95 (AM), Mudcat_90 (AM), Nason_93 (AM), Tribby_98 (AM), Xenomorph_91 (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 13 times for cluster AM.

Gene Information:

Gene: Arcadia_93 Start: 53530, Stop: 53778, Start Num: 1
Candidate Starts for Arcadia_93:
(Start: 1 @53530 has 13 MA's), (4, 53596), (5, 53641), (6, 53692), (7, 53704), (8, 53710), (10, 53746),

Gene: BenitoAntonio_94 Start: 53461, Stop: 53709, Start Num: 1
Candidate Starts for BenitoAntonio_94:
(Start: 1 @53461 has 13 MA's), (4, 53527), (5, 53572), (6, 53623), (7, 53635), (8, 53641), (10, 53677),

Gene: Benllo_95 Start: 54306, Stop: 54569, Start Num: 1
Candidate Starts for Benllo_95:
(Start: 1 @54306 has 13 MA's), (2, 54357), (3, 54363), (4, 54366), (7, 54474), (8, 54480), (9, 54510),

Gene: Cheesy_97 Start: 54212, Stop: 54460, Start Num: 1
Candidate Starts for Cheesy_97:
(Start: 1 @54212 has 13 MA's), (4, 54278), (5, 54323), (6, 54374), (7, 54386), (8, 54392), (10, 54428),

Gene: Correa_91 Start: 52879, Stop: 53121, Start Num: 1
Candidate Starts for Correa_91:
(Start: 1 @52879 has 13 MA's), (2, 52930), (4, 52939), (8, 53053), (9, 53083),

Gene: Elsa_93 Start: 53530, Stop: 53778, Start Num: 1
Candidate Starts for Elsa_93:
(Start: 1 @53530 has 13 MA's), (4, 53596), (5, 53641), (6, 53692), (7, 53704), (8, 53710), (10, 53746),

Gene: Hankly_97 Start: 53917, Stop: 54180, Start Num: 1
Candidate Starts for Hankly_97:
(Start: 1 @53917 has 13 MA's), (2, 53968), (3, 53974), (4, 53977), (7, 54085), (8, 54091), (9, 54121),

Gene: Heisenberger_95 Start: 53686, Stop: 53928, Start Num: 1
Candidate Starts for Heisenberger_95:
(Start: 1 @53686 has 13 MA's), (2, 53737), (4, 53746), (8, 53860), (9, 53890),

Gene: JEGGS_95 Start: 53765, Stop: 54007, Start Num: 1
Candidate Starts for JEGGS_95:
(Start: 1 @53765 has 13 MA's), (2, 53816), (4, 53825), (8, 53939), (9, 53969),

Gene: Kardesai_95 Start: 53345, Stop: 53608, Start Num: 1
Candidate Starts for Kardesai_95:
(Start: 1 @53345 has 13 MA's), (2, 53396), (3, 53402), (4, 53405), (7, 53513), (8, 53519), (9, 53549),

Gene: Mooshroom_95 Start: 53345, Stop: 53608, Start Num: 1
Candidate Starts for Mooshroom_95:
(Start: 1 @53345 has 13 MA's), (2, 53396), (3, 53402), (4, 53405), (7, 53513), (8, 53519), (9, 53549),

Gene: Mudcat_90 Start: 54921, Stop: 55163, Start Num: 1
Candidate Starts for Mudcat_90:
(Start: 1 @54921 has 13 MA's), (2, 54972), (4, 54981), (8, 55095), (9, 55125),

Gene: Nason_93 Start: 53530, Stop: 53778, Start Num: 1
Candidate Starts for Nason_93:
(Start: 1 @53530 has 13 MA's), (4, 53596), (5, 53641), (6, 53692), (7, 53704), (8, 53710), (10, 53746),

Gene: Tribby_98 Start: 54556, Stop: 54804, Start Num: 1
Candidate Starts for Tribby_98:
(Start: 1 @54556 has 13 MA's), (4, 54622), (5, 54667), (6, 54718), (7, 54730), (8, 54736), (10, 54772),

Gene: Xenomorph_91 Start: 54167, Stop: 54409, Start Num: 1
Candidate Starts for Xenomorph_91:
(Start: 1 @54167 has 13 MA's), (2, 54218), (4, 54227), (8, 54341), (9, 54371),