



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 218405 Report

This analysis was run 03/28/25 on database version 593.

Pham number 218405 has 15 members, 1 are drafts.

Phages represented in each track:

- Track 1 : GoCrazy_90, Correa_90, Xenomorph_90, JEGGS_94, Tribby_97, Heisenberger_94
- Track 2 : Mooshroom_96, Benllo_94, Kardesai_94, Hankly_96
- Track 3 : Cheesy_96
- Track 4 : Elsa_92, Arcadia_92, Nason_92
- Track 5 : BenitoAntonio_93

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 2, it was called in 13 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Arcadia_92, BenitoAntonio_93, Benllo_94, Correa_90, Elsa_92, GoCrazy_90, Hankly_96, Heisenberger_94, JEGGS_94, Kardesai_94, Mooshroom_96, Nason_92, Tribby_97, Xenomorph_90,

Genes that have the "Most Annotated" start but do not call it:

- Cheesy_96,

Genes that do not have the "Most Annotated" start:

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Summary by start number:

Start 2:

- Found in 15 of 15 (100.0%) of genes in pham
- Manual Annotations of this start: 13 of 14
- Called 93.3% of time when present
- Phage (with cluster) where this start called: Arcadia_92 (AM), BenitoAntonio_93 (AM), Benllo_94 (AM), Correa_90 (AM), Elsa_92 (AM), GoCrazy_90 (AM), Hankly_96 (AM), Heisenberger_94 (AM), JEGGS_94 (AM), Kardesai_94 (AM), Mooshroom_96 (AM), Nason_92 (AM), Tribby_97 (AM), Xenomorph_90 (AM),

Start 4:

- Found in 7 of 15 (46.7%) of genes in pham
- Manual Annotations of this start: 1 of 14
- Called 14.3% of time when present
- Phage (with cluster) where this start called: Cheesy_96 (AM),

Summary by clusters:

There is one cluster represented in this pham: AM

Info for manual annotations of cluster AM:

- Start number 2 was manually annotated 13 times for cluster AM.
- Start number 4 was manually annotated 1 time for cluster AM.

Gene Information:

Gene: Arcadia_92 Start: 53282, Stop: 53533, Start Num: 2

Candidate Starts for Arcadia_92:

(Start: 2 @53282 has 13 MA's), (3, 53336),

Gene: BenitoAntonio_93 Start: 53213, Stop: 53464, Start Num: 2

Candidate Starts for BenitoAntonio_93:

(1, 53183), (Start: 2 @53213 has 13 MA's), (5, 53336),

Gene: Benllo_94 Start: 54059, Stop: 54313, Start Num: 2

Candidate Starts for Benllo_94:

(Start: 2 @54059 has 13 MA's), (5, 54182), (6, 54299),

Gene: Cheesy_96 Start: 54021, Stop: 54215, Start Num: 4

Candidate Starts for Cheesy_96:

(Start: 2 @53964 has 13 MA's), (Start: 4 @54021 has 1 MA's),

Gene: Correa_90 Start: 52631, Stop: 52882, Start Num: 2

Candidate Starts for Correa_90:

(Start: 2 @52631 has 13 MA's), (Start: 4 @52688 has 1 MA's),

Gene: Elsa_92 Start: 53282, Stop: 53533, Start Num: 2

Candidate Starts for Elsa_92:

(Start: 2 @53282 has 13 MA's), (3, 53336),

Gene: GoCrazy_90 Start: 52273, Stop: 52551, Start Num: 2

Candidate Starts for GoCrazy_90:

(Start: 2 @52273 has 13 MA's), (Start: 4 @52330 has 1 MA's),

Gene: Hankly_96 Start: 53670, Stop: 53924, Start Num: 2

Candidate Starts for Hankly_96:

(Start: 2 @53670 has 13 MA's), (5, 53793), (6, 53910),

Gene: Heisenberger_94 Start: 53438, Stop: 53689, Start Num: 2

Candidate Starts for Heisenberger_94:

(Start: 2 @53438 has 13 MA's), (Start: 4 @53495 has 1 MA's),

Gene: JEGGS_94 Start: 53517, Stop: 53768, Start Num: 2
Candidate Starts for JEGGS_94:
(Start: 2 @53517 has 13 MA's), (Start: 4 @53574 has 1 MA's),

Gene: Kardesai_94 Start: 53098, Stop: 53352, Start Num: 2
Candidate Starts for Kardesai_94:
(Start: 2 @53098 has 13 MA's), (5, 53221), (6, 53338),

Gene: Mooshroom_96 Start: 53098, Stop: 53352, Start Num: 2
Candidate Starts for Mooshroom_96:
(Start: 2 @53098 has 13 MA's), (5, 53221), (6, 53338),

Gene: Nason_92 Start: 53282, Stop: 53533, Start Num: 2
Candidate Starts for Nason_92:
(Start: 2 @53282 has 13 MA's), (3, 53336),

Gene: Tribby_97 Start: 54308, Stop: 54559, Start Num: 2
Candidate Starts for Tribby_97:
(Start: 2 @54308 has 13 MA's), (Start: 4 @54365 has 1 MA's),

Gene: Xenomorph_90 Start: 53919, Stop: 54170, Start Num: 2
Candidate Starts for Xenomorph_90:
(Start: 2 @53919 has 13 MA's), (Start: 4 @53976 has 1 MA's),