Pham 348002







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 348002 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348002 has 23 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Troll4_74, Giuseppe_76, BigMama_72, SirHarley_76, PBI1_70, Delton_74, Visconti_75, Penelope2018_74, Gumball_74, KandZ_72, SuperheroCarly_74
• Track 2 : Helpful_77, Erk16_74, Adjutor_72, Mopey_76, Thoth_74, WaldoWhy_76, Prager_75, Chill_76, Butterscotch_72, Nova_74, PLot_74
• Track 3 : Phalaborwa_77

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 11 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BigMama_72, Delton_74, Giuseppe_76, Gumball_74, KandZ_72, PBI1_70, Penelope2018_74, SirHarley_76, SuperheroCarly_74, Troll4_74, Visconti_75,

Genes that have the "Most Annotated" start but do not call it:
• Adjutor_72, Butterscotch_72, Chill_76, Erk16_74, Helpful_77, Mopey_76, Nova_74, PLot_74, Phalaborwa_77, Prager_75, Thoth_74, WaldoWhy_76,

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

Summary by start number:

Start 1:
• Found in 23 of 23 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 22
• Called 52.2% of time when present
• Phage (with cluster) where this start called: Adjutor_72 (D1), Butterscotch_72 (D1), Chill_76 (D1), Erk16_74 (D1), Helpful_77 (D1), Mopey_76 (D1), Nova_74 (D1), PLot_74 (D1), Phalaborwa_77 (D1), Prager_75 (D1), Thoth_74 (D1), WaldoWhy_76 (D1),

Start 2:

• Found in 23 of 23 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 22
• Called 47.8% of time when present
• Phage (with cluster) where this start called: BigMama_72 (D1), Delton_74 (D1), Giuseppe_76 (D1), Gumball_74 (D1), KandZ_72 (D1), PBI1_70 (D1), Penelope2018_74 (D1), SirHarley_76 (D1), SuperheroCarly_74 (D1), Troll4_74 (D1), Visconti_75 (D1),

Summary by clusters:

There is one cluster represented in this pham: D1

Info for manual annotations of cluster D1:
•Start number 1 was manually annotated 11 times for cluster D1.
•Start number 2 was manually annotated 11 times for cluster D1.

Gene Information:

Gene: Adjutor_72 Start: 56286, Stop: 56537, Start Num: 1
Candidate Starts for Adjutor_72:
(Start: 1 @56286 has 11 MA's), (Start: 2 @56304 has 11 MA's), (3, 56340), (4, 56499),

Gene: BigMama_72 Start: 56377, Stop: 56610, Start Num: 2
Candidate Starts for BigMama_72:
(Start: 1 @56359 has 11 MA's), (Start: 2 @56377 has 11 MA's), (3, 56413), (4, 56572),

Gene: Butterscotch_72 Start: 56337, Stop: 56588, Start Num: 1
Candidate Starts for Butterscotch_72:
(Start: 1 @56337 has 11 MA's), (Start: 2 @56355 has 11 MA's), (3, 56391), (4, 56550),

Gene: Chill_76 Start: 56314, Stop: 56565, Start Num: 1
Candidate Starts for Chill_76:
(Start: 1 @56314 has 11 MA's), (Start: 2 @56332 has 11 MA's), (3, 56368), (4, 56527),

Gene: Delton_74 Start: 56753, Stop: 56986, Start Num: 2
Candidate Starts for Delton_74:
(Start: 1 @56735 has 11 MA's), (Start: 2 @56753 has 11 MA's), (3, 56789), (4, 56948),

Gene: Erk16_74 Start: 56392, Stop: 56643, Start Num: 1
Candidate Starts for Erk16_74:
(Start: 1 @56392 has 11 MA's), (Start: 2 @56410 has 11 MA's), (3, 56446), (4, 56605),

Gene: Giuseppe_76 Start: 56282, Stop: 56515, Start Num: 2
Candidate Starts for Giuseppe_76:
(Start: 1 @56264 has 11 MA's), (Start: 2 @56282 has 11 MA's), (3, 56318), (4, 56477),

Gene: Gumball_74 Start: 56755, Stop: 56988, Start Num: 2
Candidate Starts for Gumball_74:
(Start: 1 @56737 has 11 MA's), (Start: 2 @56755 has 11 MA's), (3, 56791), (4, 56950),

Gene: Helpful_77 Start: 56652, Stop: 56903, Start Num: 1

Candidate Starts for Helpful_77:
(Start: 1 @56652 has 11 MA's), (Start: 2 @56670 has 11 MA's), (3, 56706), (4, 56865),

Gene: KandZ_72 Start: 56499, Stop: 56780, Start Num: 2
Candidate Starts for KandZ_72:
(Start: 1 @56481 has 11 MA's), (Start: 2 @56499 has 11 MA's), (3, 56535), (4, 56694),

Gene: Mopey_76 Start: 56290, Stop: 56541, Start Num: 1
Candidate Starts for Mopey_76:
(Start: 1 @56290 has 11 MA's), (Start: 2 @56308 has 11 MA's), (3, 56344), (4, 56503),

Gene: Nova_74 Start: 56760, Stop: 57011, Start Num: 1
Candidate Starts for Nova_74:
(Start: 1 @56760 has 11 MA's), (Start: 2 @56778 has 11 MA's), (3, 56814), (4, 56973),

Gene: PBI1_70 Start: 56286, Stop: 56519, Start Num: 2
Candidate Starts for PBI1_70:
(Start: 1 @56268 has 11 MA's), (Start: 2 @56286 has 11 MA's), (3, 56322), (4, 56481),

Gene: PLot_74 Start: 56290, Stop: 56541, Start Num: 1
Candidate Starts for PLot_74:
(Start: 1 @56290 has 11 MA's), (Start: 2 @56308 has 11 MA's), (3, 56344), (4, 56503),

Gene: Penelope2018_74 Start: 56342, Stop: 56575, Start Num: 2
Candidate Starts for Penelope2018_74:
(Start: 1 @56324 has 11 MA's), (Start: 2 @56342 has 11 MA's), (3, 56378), (4, 56537),

Gene: Phalaborwa_77 Start: 56917, Stop: 57168, Start Num: 1
Candidate Starts for Phalaborwa_77:
(Start: 1 @56917 has 11 MA's), (Start: 2 @56935 has 11 MA's), (3, 56971), (4, 57130),

Gene: Prager_75 Start: 56384, Stop: 56635, Start Num: 1
Candidate Starts for Prager_75:
(Start: 1 @56384 has 11 MA's), (Start: 2 @56402 has 11 MA's), (3, 56438), (4, 56597),

Gene: SirHarley_76 Start: 56738, Stop: 56971, Start Num: 2
Candidate Starts for SirHarley_76:
(Start: 1 @56720 has 11 MA's), (Start: 2 @56738 has 11 MA's), (3, 56774), (4, 56933),

Gene: SuperheroCarly_74 Start: 56490, Stop: 56723, Start Num: 2
Candidate Starts for SuperheroCarly_74:
(Start: 1 @56472 has 11 MA's), (Start: 2 @56490 has 11 MA's), (3, 56526), (4, 56685),

Gene: Thoth_74 Start: 56378, Stop: 56629, Start Num: 1
Candidate Starts for Thoth_74:
(Start: 1 @56378 has 11 MA's), (Start: 2 @56396 has 11 MA's), (3, 56432), (4, 56591),

Gene: Troll4_74 Start: 56464, Stop: 56697, Start Num: 2
Candidate Starts for Troll4_74:
(Start: 1 @56446 has 11 MA's), (Start: 2 @56464 has 11 MA's), (3, 56500), (4, 56659),

Gene: Visconti_75 Start: 56372, Stop: 56605, Start Num: 2
Candidate Starts for Visconti_75:

(Start: 1 @56354 has 11 MA's), (Start: 2 @56372 has 11 MA's), (3, 56408), (4, 56567),

Gene: WaldoWhy_76 Start: 56314, Stop: 56565, Start Num: 1
Candidate Starts for WaldoWhy_76:
(Start: 1 @56314 has 11 MA's), (Start: 2 @56332 has 11 MA's), (3, 56368), (4, 56527),