Pham 347977


1
2
3
5
7
9
1: Gumball_82 + 1
1
3
5
7
9
10
2: Nova_82
1
3
5
7
9
3: Thoth_82 + 10
1
3
4
5
7
8
9
11
4: Phalaborwa_85
1
3
5
9
5: Erk16_83 + 2
1
3
5
7
9
6: KandZ_80 + 4
1
4
5
6
7
7: Hawkeye_98

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 347977 Report

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

Pham number 347977 has 24 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Gumball_82, SirHarley_84
• Track 2 : Nova_82
• Track 3 : Thoth_82, Prager_82, WaldoWhy_84, PBI1_78, Adjutor_80, Butterscotch_80, BigMama_80, Delton_82, Visconti_83, Chill_84, Penelope2018_82
• Track 4 : Phalaborwa_85
• Track 5 : Erk16_83, Helpful_85, Mopey_84
• Track 6 : KandZ_80, SuperheroCarly_82, Troll4_82, Giuseppe_84, PLot_83
• Track 7 : Hawkeye_98

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 23 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adjutor_80, BigMama_80, Butterscotch_80, Chill_84, Delton_82, Erk16_83, Giuseppe_84, Gumball_82, Hawkeye_98, Helpful_85, KandZ_80, Mopey_84, Nova_82, PBI1_78, PLot_83, Penelope2018_82, Phalaborwa_85, Prager_82, SirHarley_84, SuperheroCarly_82, Thoth_82, Troll4_82, Visconti_83, WaldoWhy_84,

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 24 of 24 (100.0%) of genes in pham
• Manual Annotations of this start: 23 of 23
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adjutor_80 (D1), BigMama_80 (D1), Butterscotch_80 (D1), Chill_84 (D1), Delton_82 (D1), Erk16_83 (D1), Giuseppe_84

(D1), Gumball_82 (D1), Hawkeye_98 (D2), Helpful_85 (D1), KandZ_80 (D1), Mopey_84 (D1), Nova_82 (D1), PBI1_78 (D1), PLot_83 (D1), Penelope2018_82 (D1), Phalaborwa_85 (D1), Prager_82 (D1), SirHarley_84 (D1), SuperheroCarly_82 (D1), Thoth_82 (D1), Troll4_82 (D1), Visconti_83 (D1), WaldoWhy_84 (D1),

Summary by clusters:

There are 2 clusters represented in this pham: D2, D1,

Info for manual annotations of cluster D1:
•Start number 1 was manually annotated 22 times for cluster D1.

Info for manual annotations of cluster D2:
•Start number 1 was manually annotated 1 time for cluster D2.

Gene Information:

Gene: Adjutor_80 Start: 59073, Stop: 59375, Start Num: 1
Candidate Starts for Adjutor_80:
(Start: 1 @59073 has 23 MA's), (3, 59115), (5, 59130), (7, 59190), (9, 59271),

Gene: BigMama_80 Start: 59158, Stop: 59460, Start Num: 1
Candidate Starts for BigMama_80:
(Start: 1 @59158 has 23 MA's), (3, 59200), (5, 59215), (7, 59275), (9, 59356),

Gene: Butterscotch_80 Start: 59124, Stop: 59426, Start Num: 1
Candidate Starts for Butterscotch_80:
(Start: 1 @59124 has 23 MA's), (3, 59166), (5, 59181), (7, 59241), (9, 59322),

Gene: Chill_84 Start: 59101, Stop: 59403, Start Num: 1
Candidate Starts for Chill_84:
(Start: 1 @59101 has 23 MA's), (3, 59143), (5, 59158), (7, 59218), (9, 59299),

Gene: Delton_82 Start: 59534, Stop: 59836, Start Num: 1
Candidate Starts for Delton_82:
(Start: 1 @59534 has 23 MA's), (3, 59576), (5, 59591), (7, 59651), (9, 59732),

Gene: Erk16_83 Start: 59450, Stop: 59752, Start Num: 1
Candidate Starts for Erk16_83:
(Start: 1 @59450 has 23 MA's), (3, 59492), (5, 59507), (9, 59648),

Gene: Giuseppe_84 Start: 59164, Stop: 59472, Start Num: 1
Candidate Starts for Giuseppe_84:
(Start: 1 @59164 has 23 MA's), (3, 59206), (5, 59221), (7, 59281), (9, 59362),

Gene: Gumball_82 Start: 59539, Stop: 59853, Start Num: 1
Candidate Starts for Gumball_82:
(Start: 1 @59539 has 23 MA's), (2, 59578), (3, 59581), (5, 59596), (7, 59656), (9, 59737),

Gene: Hawkeye_98 Start: 61879, Stop: 62199, Start Num: 1
Candidate Starts for Hawkeye_98:

(Start: 1 @61879 has 23 MA's), (4, 61933), (5, 61936), (6, 61960), (7, 61996),

Gene: Helpful_85 Start: 59552, Stop: 59860, Start Num: 1
Candidate Starts for Helpful_85:
(Start: 1 @59552 has 23 MA's), (3, 59594), (5, 59609), (9, 59750),

Gene: KandZ_80 Start: 59380, Stop: 59688, Start Num: 1
Candidate Starts for KandZ_80:
(Start: 1 @59380 has 23 MA's), (3, 59422), (5, 59437), (7, 59497), (9, 59578),

Gene: Mopey_84 Start: 59190, Stop: 59492, Start Num: 1
Candidate Starts for Mopey_84:
(Start: 1 @59190 has 23 MA's), (3, 59232), (5, 59247), (9, 59388),

Gene: Nova_82 Start: 59657, Stop: 59965, Start Num: 1
Candidate Starts for Nova_82:
(Start: 1 @59657 has 23 MA's), (3, 59699), (5, 59714), (7, 59774), (9, 59855), (10, 59900),

Gene: PBI1_78 Start: 59055, Stop: 59357, Start Num: 1
Candidate Starts for PBI1_78:
(Start: 1 @59055 has 23 MA's), (3, 59097), (5, 59112), (7, 59172), (9, 59253),

Gene: PLot_83 Start: 59348, Stop: 59650, Start Num: 1
Candidate Starts for PLot_83:
(Start: 1 @59348 has 23 MA's), (3, 59390), (5, 59405), (7, 59465), (9, 59546),

Gene: Penelope2018_82 Start: 59123, Stop: 59425, Start Num: 1
Candidate Starts for Penelope2018_82:
(Start: 1 @59123 has 23 MA's), (3, 59165), (5, 59180), (7, 59240), (9, 59321),

Gene: Phalaborwa_85 Start: 59826, Stop: 60173, Start Num: 1
Candidate Starts for Phalaborwa_85:
(Start: 1 @59826 has 23 MA's), (3, 59868), (4, 59880), (5, 59883), (7, 59943), (8, 60000), (9, 60024), (11, 60150),

Gene: Prager_82 Start: 59028, Stop: 59330, Start Num: 1
Candidate Starts for Prager_82:
(Start: 1 @59028 has 23 MA's), (3, 59070), (5, 59085), (7, 59145), (9, 59226),

Gene: SirHarley_84 Start: 59523, Stop: 59837, Start Num: 1
Candidate Starts for SirHarley_84:
(Start: 1 @59523 has 23 MA's), (2, 59562), (3, 59565), (5, 59580), (7, 59640), (9, 59721),

Gene: SuperheroCarly_82 Start: 59372, Stop: 59686, Start Num: 1
Candidate Starts for SuperheroCarly_82:
(Start: 1 @59372 has 23 MA's), (3, 59414), (5, 59429), (7, 59489), (9, 59570),

Gene: Thoth_82 Start: 59177, Stop: 59479, Start Num: 1
Candidate Starts for Thoth_82:
(Start: 1 @59177 has 23 MA's), (3, 59219), (5, 59234), (7, 59294), (9, 59375),

Gene: Troll4_82 Start: 59346, Stop: 59654, Start Num: 1
Candidate Starts for Troll4_82:

(Start: 1 @59346 has 23 MA's), (3, 59388), (5, 59403), (7, 59463), (9, 59544),

Gene: Visconti_83 Start: 59138, Stop: 59440, Start Num: 1
Candidate Starts for Visconti_83:
(Start: 1 @59138 has 23 MA's), (3, 59180), (5, 59195), (7, 59255), (9, 59336),

Gene: WaldoWhy_84 Start: 59101, Stop: 59403, Start Num: 1
Candidate Starts for WaldoWhy_84:
(Start: 1 @59101 has 23 MA's), (3, 59143), (5, 59158), (7, 59218), (9, 59299),