Pham 348135


1: 40AC_65
2: ForesterFrank_62
3: RedRock_65
4: HippoHollow_65 + 1
5: Kalpine_63
6: Colin_64
7: Loser_66
8: WeiHuaDA_65
9: Trixie_63
10: Changeling_64
11: Leogania_65 + 1
12: AnnaL29_65
13: Cintron_61

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 348135 Report

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

Pham number 348135 has 15 members, 1 are drafts.

Phages represented in each track:
• Track 1 : 40AC_65
• Track 2 : ForesterFrank_62
• Track 3 : RedRock_65
• Track 4 : HippoHollow_65, LionsBait_65
• Track 5 : Kalpine_63
• Track 6 : Colin_64
• Track 7 : Loser_66
• Track 8 : WeiHuaDA_65
• Track 9 : Trixie_63
• Track 10 : Changeling_64
• Track 11 : Leogania_65, BiancaTri92_65
• Track 12 : AnnaL29_65
• Track 13 : Cintron_61

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

The start number called the most often in the published annotations is 3, it was called in 7 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• 40AC_65, BiancaTri92_65, Changeling_64, Cintron_61, Colin_64, ForesterFrank_62, Leogania_65, RedRock_65,

Genes that have the "Most Annotated" start but do not call it:
• HippoHollow_65, LionsBait_65,

Genes that do not have the "Most Annotated" start:
• AnnaL29_65, Kalpine_63, Loser_66, Trixie_63, WeiHuaDA_65,

Summary by start number:

Start 3:
• Found in 10 of 15 (66.7%) of genes in pham
• Manual Annotations of this start: 7 of 14

• Called 80.0% of time when present
• Phage (with cluster) where this start called: 40AC_65 (A17), BiancaTri92_65 (A2), Changeling_64 (A2), Cintron_61 (A4), Colin_64 (A2), ForesterFrank_62 (A2), Leogania_65 (A2), RedRock_65 (A2),

Start 4:
• Found in 8 of 15 (53.3%) of genes in pham
• Manual Annotations of this start: 6 of 14
• Called 75.0% of time when present
• Phage (with cluster) where this start called: AnnaL29_65 (A2), HippoHollow_65 (A2), Kalpine_63 (A2), LionsBait_65 (A2), Loser_66 (A2), Trixie_63 (A2),

Start 5:
• Found in 3 of 15 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 33.3% of time when present
• Phage (with cluster) where this start called: WeiHuaDA_65 (A2),

Summary by clusters:

There are 3 clusters represented in this pham: A17, A2, A4,

Info for manual annotations of cluster A2:
•Start number 3 was manually annotated 6 times for cluster A2.
•Start number 4 was manually annotated 6 times for cluster A2.
•Start number 5 was manually annotated 1 time for cluster A2.

Info for manual annotations of cluster A4:
•Start number 3 was manually annotated 1 time for cluster A4.

Gene Information:

Gene: 40AC_65 Start: 42062, Stop: 41922, Start Num: 3
Candidate Starts for 40AC_65:
(2, 42071), (Start: 3 @42062 has 7 MA's), (9, 42008),

Gene: AnnaL29_65 Start: 41534, Stop: 41382, Start Num: 4
Candidate Starts for AnnaL29_65:
(1, 41687), (Start: 4 @41534 has 6 MA's),

Gene: BiancaTri92_65 Start: 41458, Stop: 41312, Start Num: 3
Candidate Starts for BiancaTri92_65:
(Start: 3 @41458 has 7 MA's), (9, 41404),

Gene: Changeling_64 Start: 41421, Stop: 41269, Start Num: 3
Candidate Starts for Changeling_64:
(2, 41430), (Start: 3 @41421 has 7 MA's), (14, 41277),

Gene: Cintron_61 Start: 40366, Stop: 40208, Start Num: 3
Candidate Starts for Cintron_61:

(2, 40375), (Start: 3 @40366 has 7 MA's),

Gene: Colin_64 Start: 41158, Stop: 40997, Start Num: 3
Candidate Starts for Colin_64:
(Start: 3 @41158 has 7 MA's), (Start: 4 @41155 has 6 MA's), (6, 41152), (13, 41044),

Gene: ForesterFrank_62 Start: 41159, Stop: 41013, Start Num: 3
Candidate Starts for ForesterFrank_62:
(Start: 3 @41159 has 7 MA's), (7, 41141), (8, 41120), (9, 41105),

Gene: HippoHollow_65 Start: 42397, Stop: 42263, Start Num: 4
Candidate Starts for HippoHollow_65:
(2, 42409), (Start: 3 @42400 has 7 MA's), (Start: 4 @42397 has 6 MA's), (9, 42355), (11, 42328),

Gene: Kalpine_63 Start: 41081, Stop: 40929, Start Num: 4
Candidate Starts for Kalpine_63:
(1, 41234), (Start: 4 @41081 has 6 MA's), (Start: 5 @41078 has 1 MA's), (12, 40985),

Gene: Leogania_65 Start: 41836, Stop: 41690, Start Num: 3
Candidate Starts for Leogania_65:
(Start: 3 @41836 has 7 MA's), (9, 41782),

Gene: LionsBait_65 Start: 42398, Stop: 42264, Start Num: 4
Candidate Starts for LionsBait_65:
(2, 42410), (Start: 3 @42401 has 7 MA's), (Start: 4 @42398 has 6 MA's), (9, 42356), (11, 42329),

Gene: Loser_66 Start: 41478, Stop: 41326, Start Num: 4
Candidate Starts for Loser_66:
(1, 41631), (Start: 4 @41478 has 6 MA's), (13, 41373),

Gene: RedRock_65 Start: 41772, Stop: 41626, Start Num: 3
Candidate Starts for RedRock_65:
(1, 41922), (Start: 3 @41772 has 7 MA's), (9, 41718), (10, 41706),

Gene: Trixie_63 Start: 40973, Stop: 40821, Start Num: 4
Candidate Starts for Trixie_63:
(Start: 4 @40973 has 6 MA's), (Start: 5 @40970 has 1 MA's), (15, 40826),

Gene: WeiHuaDA_65 Start: 41693, Stop: 41544, Start Num: 5
Candidate Starts for WeiHuaDA_65:
(1, 41849), (Start: 4 @41696 has 6 MA's), (Start: 5 @41693 has 1 MA's),