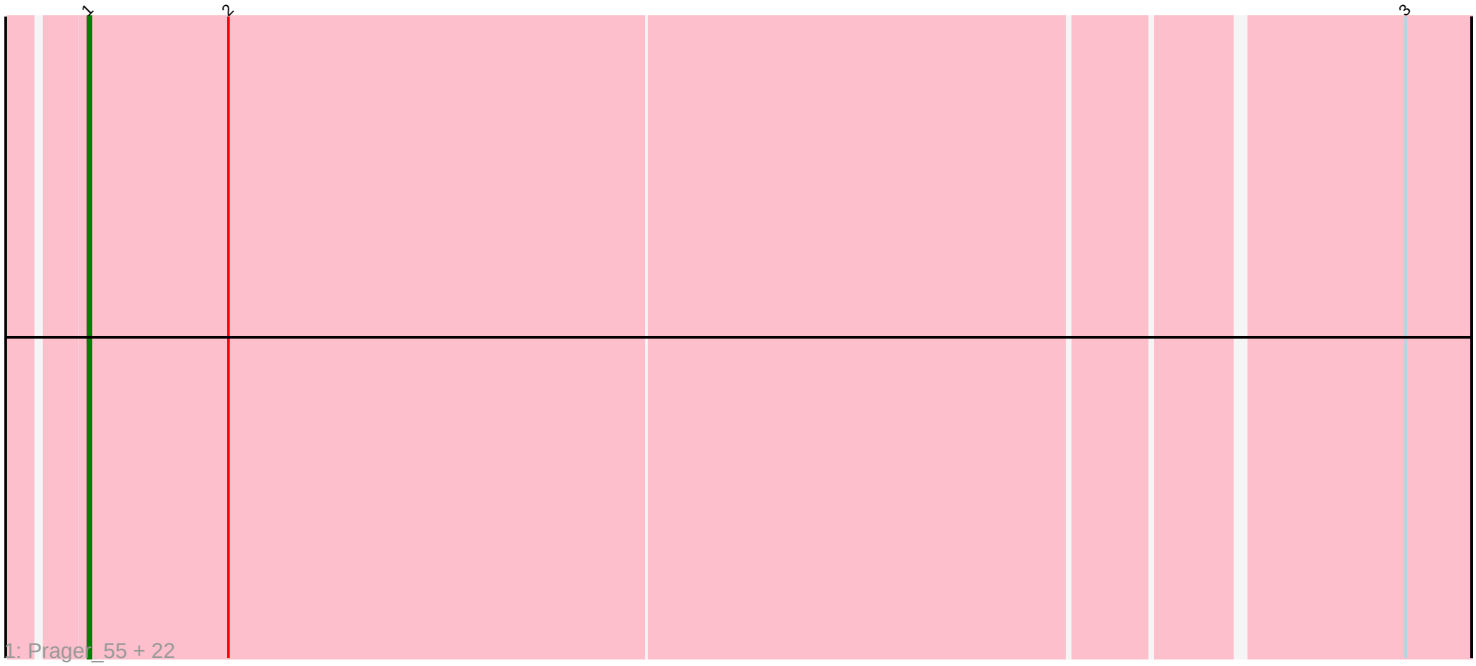
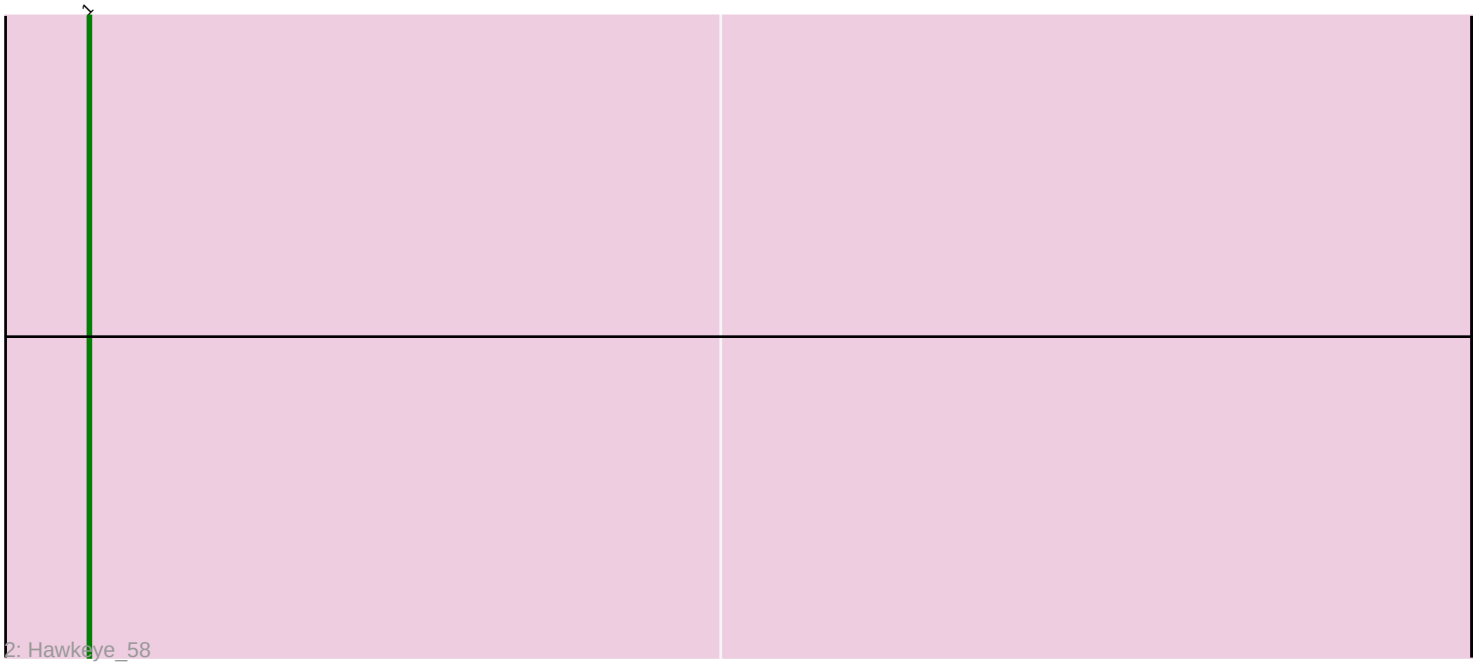
Pham 346119





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 346119 Report

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

Pham number 346119 has 24 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Prager_55, Troll4_55, Erk16_54, Giuseppe_55, BigMama_53, Butterscotch_54, Mopey_56, Thoth_55, Adjutor_54, Phalaborwa_55, Delton_56, SirHarley_56, PBI1_52, WaldoWhy_57, SuperheroCarly_55, Gumball_54, Chill_57, Penelope2018_55, Visconti_56, KandZ_54, Nova_54, Helpful_58, PLot_55
• Track 2 : Hawkeye_58

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_54, BigMama_53, Butterscotch_54, Chill_57, Delton_56, Erk16_54, Giuseppe_55, Gumball_54, Hawkeye_58, Helpful_58, KandZ_54, Mopey_56, Nova_54, PBI1_52, PLot_55, Penelope2018_55, Phalaborwa_55, Prager_55, SirHarley_56, SuperheroCarly_55, Thoth_55, Troll4_55, Visconti_56, WaldoWhy_57,

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_54 (D1), BigMama_53 (D1), Butterscotch_54 (D1), Chill_57 (D1), Delton_56 (D1), Erk16_54 (D1), Giuseppe_55 (D1), Gumball_54 (D1), Hawkeye_58 (D2), Helpful_58 (D1), KandZ_54 (D1), Mopey_56 (D1), Nova_54 (D1), PBI1_52 (D1), PLot_55 (D1), Penelope2018_55 (D1), Phalaborwa_55 (D1), Prager_55 (D1), SirHarley_56 (D1), SuperheroCarly_55 (D1),

Thoth_55 (D1), Troll4_55 (D1), Visconti_56 (D1), WaldoWhy_57 (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_54 Start: 41993, Stop: 42481, Start Num: 1
Candidate Starts for Adjutor_54:
(Start: 1 @41993 has 23 MA's), (2, 42044), (3, 42458),

Gene: BigMama_53 Start: 42069, Stop: 42557, Start Num: 1
Candidate Starts for BigMama_53:
(Start: 1 @42069 has 23 MA's), (2, 42120), (3, 42534),

Gene: Butterscotch_54 Start: 42053, Stop: 42541, Start Num: 1
Candidate Starts for Butterscotch_54:
(Start: 1 @42053 has 23 MA's), (2, 42104), (3, 42518),

Gene: Chill_57 Start: 42160, Stop: 42648, Start Num: 1
Candidate Starts for Chill_57:
(Start: 1 @42160 has 23 MA's), (2, 42211), (3, 42625),

Gene: Delton_56 Start: 42451, Stop: 42939, Start Num: 1
Candidate Starts for Delton_56:
(Start: 1 @42451 has 23 MA's), (2, 42502), (3, 42916),

Gene: Erk16_54 Start: 42199, Stop: 42687, Start Num: 1
Candidate Starts for Erk16_54:
(Start: 1 @42199 has 23 MA's), (2, 42250), (3, 42664),

Gene: Giuseppe_55 Start: 42042, Stop: 42509, Start Num: 1
Candidate Starts for Giuseppe_55:
(Start: 1 @42042 has 23 MA's), (2, 42093), (3, 42486),

Gene: Gumball_54 Start: 42247, Stop: 42735, Start Num: 1
Candidate Starts for Gumball_54:
(Start: 1 @42247 has 23 MA's), (2, 42298), (3, 42712),

Gene: Hawkeye_58 Start: 41878, Stop: 42378, Start Num: 1
Candidate Starts for Hawkeye_58:
(Start: 1 @41878 has 23 MA's),

Gene: Helpful_58 Start: 42426, Stop: 42914, Start Num: 1

Candidate Starts for Helpful_58:
(Start: 1 @42426 has 23 MA's), (2, 42477), (3, 42891),

Gene: KandZ_54 Start: 42181, Stop: 42669, Start Num: 1
Candidate Starts for KandZ_54:
(Start: 1 @42181 has 23 MA's), (2, 42232), (3, 42646),

Gene: Mopey_56 Start: 42053, Stop: 42541, Start Num: 1
Candidate Starts for Mopey_56:
(Start: 1 @42053 has 23 MA's), (2, 42104), (3, 42518),

Gene: Nova_54 Start: 42509, Stop: 42997, Start Num: 1
Candidate Starts for Nova_54:
(Start: 1 @42509 has 23 MA's), (2, 42560), (3, 42974),

Gene: PBI1_52 Start: 41984, Stop: 42472, Start Num: 1
Candidate Starts for PBI1_52:
(Start: 1 @41984 has 23 MA's), (2, 42035), (3, 42449),

Gene: PLot_55 Start: 42080, Stop: 42568, Start Num: 1
Candidate Starts for PLot_55:
(Start: 1 @42080 has 23 MA's), (2, 42131), (3, 42545),

Gene: Penelope2018_55 Start: 42098, Stop: 42586, Start Num: 1
Candidate Starts for Penelope2018_55:
(Start: 1 @42098 has 23 MA's), (2, 42149), (3, 42563),

Gene: Phalaborwa_55 Start: 42206, Stop: 42694, Start Num: 1
Candidate Starts for Phalaborwa_55:
(Start: 1 @42206 has 23 MA's), (2, 42257), (3, 42671),

Gene: Prager_55 Start: 42073, Stop: 42561, Start Num: 1
Candidate Starts for Prager_55:
(Start: 1 @42073 has 23 MA's), (2, 42124), (3, 42538),

Gene: SirHarley_56 Start: 42229, Stop: 42717, Start Num: 1
Candidate Starts for SirHarley_56:
(Start: 1 @42229 has 23 MA's), (2, 42280), (3, 42694),

Gene: SuperheroCarly_55 Start: 41948, Stop: 42436, Start Num: 1
Candidate Starts for SuperheroCarly_55:
(Start: 1 @41948 has 23 MA's), (2, 41999), (3, 42413),

Gene: Thoth_55 Start: 42051, Stop: 42539, Start Num: 1
Candidate Starts for Thoth_55:
(Start: 1 @42051 has 23 MA's), (2, 42102), (3, 42516),

Gene: Troll4_55 Start: 42183, Stop: 42671, Start Num: 1
Candidate Starts for Troll4_55:
(Start: 1 @42183 has 23 MA's), (2, 42234), (3, 42648),

Gene: Visconti_56 Start: 42063, Stop: 42551, Start Num: 1
Candidate Starts for Visconti_56:

(Start: 1 @42063 has 23 MA's), (2, 42114), (3, 42528),

Gene: WaldoWhy_57 Start: 42160, Stop: 42648, Start Num: 1
Candidate Starts for WaldoWhy_57:
(Start: 1 @42160 has 23 MA's), (2, 42211), (3, 42625),