Pham 346296


1: Colleen_52 + 3
2: Stiles_53
3: StAB_60
4: Troy_46 + 4
5: Bran_50
6: Juicebox_58

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 346296 Report

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

Pham number 346296 has 13 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Colleen_52, TouchMeNot_52, Arianna_52, Poushou_52
• Track 2 : Stiles_53
• Track 3 : StAB_60
• Track 4 : Troy_46, Adelaide_47, Dina_48, SamW_46, Lederberg_46
• Track 5 : Bran_50
• Track 6 : Juicebox_58

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

The start number called the most often in the published annotations is 10, it was called in 6 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adelaide_47, Bran_50, Dina_48, Lederberg_46, SamW_46, Troy_46,

Genes that have the "Most Annotated" start but do not call it:
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Genes that do not have the "Most Annotated" start:
• Arianna_52, Colleen_52, Juicebox_58, Poushou_52, StAB_60, Stiles_53, TouchMeNot_52,

Summary by start number:

Start 3:
• Found in 1 of 13 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Juicebox_58 (singleton),

Start 9:
• Found in 2 of 13 (15.4%) of genes in pham
• Manual Annotations of this start: 2 of 13
• Called 100.0% of time when present

• Phage (with cluster) where this start called: StAB_60 (EP), Stiles_53 (EP),

Start 10:
• Found in 6 of 13 (46.2%) of genes in pham
• Manual Annotations of this start: 6 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adelaide_47 (EP), Bran_50 (EP), Dina_48 (EP), Lederberg_46 (EP), SamW_46 (EP), Troy_46 (EP),

Start 12:
• Found in 4 of 13 (30.8%) of genes in pham
• Manual Annotations of this start: 4 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arianna_52 (EO), Colleen_52 (EO), Poushou_52 (EO), TouchMeNot_52 (EO),

Summary by clusters:

There are 3 clusters represented in this pham: EO, EP, singleton,

Info for manual annotations of cluster EO:
•Start number 12 was manually annotated 4 times for cluster EO.

Info for manual annotations of cluster EP:
•Start number 9 was manually annotated 2 times for cluster EP.
•Start number 10 was manually annotated 6 times for cluster EP.

Gene Information:

Gene: Adelaide_47 Start: 38800, Stop: 39435, Start Num: 10
Candidate Starts for Adelaide_47:
(2, 38686), (Start: 10 @38800 has 6 MA's), (25, 38950), (44, 39232),

Gene: Arianna_52 Start: 39222, Stop: 39836, Start Num: 12
Candidate Starts for Arianna_52:
(Start: 12 @39222 has 4 MA's), (13, 39234), (14, 39237), (15, 39246), (18, 39303), (24, 39354), (25, 39372), (26, 39414), (29, 39438), (30, 39450), (31, 39456), (32, 39465), (34, 39480), (37, 39531), (38, 39561), (39, 39579), (40, 39585), (41, 39594), (43, 39645), (45, 39693), (48, 39762), (50, 39816),

Gene: Bran_50 Start: 35778, Stop: 36413, Start Num: 10
Candidate Starts for Bran_50:
(Start: 10 @35778 has 6 MA's), (25, 35928), (44, 36210),

Gene: Colleen_52 Start: 39222, Stop: 39836, Start Num: 12
Candidate Starts for Colleen_52:
(Start: 12 @39222 has 4 MA's), (13, 39234), (14, 39237), (15, 39246), (18, 39303), (24, 39354), (25, 39372), (26, 39414), (29, 39438), (30, 39450), (31, 39456), (32, 39465), (34, 39480), (37, 39531), (38, 39561), (39, 39579), (40, 39585), (41, 39594), (43, 39645), (45, 39693), (48, 39762), (50, 39816),

Gene: Dina_48 Start: 37876, Stop: 38511, Start Num: 10
Candidate Starts for Dina_48:

(2, 37762), (Start: 10 @37876 has 6 MA's), (25, 38026), (44, 38308),

Gene: Juicebox_58 Start: 39959, Stop: 40726, Start Num: 3
Candidate Starts for Juicebox_58:
(Start: 3 @39959 has 1 MA's), (4, 39992), (5, 40022), (6, 40046), (7, 40049), (8, 40052), (16, 40121), (17, 40124), (19, 40160), (20, 40163), (22, 40190), (23, 40193), (28, 40271), (33, 40319), (34, 40328), (35, 40340), (36, 40352), (42, 40475), (46, 40622), (47, 40625),

Gene: Lederberg_46 Start: 38669, Stop: 39304, Start Num: 10
Candidate Starts for Lederberg_46:
(2, 38555), (Start: 10 @38669 has 6 MA's), (25, 38819), (44, 39101),

Gene: Poushou_52 Start: 39051, Stop: 39665, Start Num: 12
Candidate Starts for Poushou_52:
(Start: 12 @39051 has 4 MA's), (13, 39063), (14, 39066), (15, 39075), (18, 39132), (24, 39183), (25, 39201), (26, 39243), (29, 39267), (30, 39279), (31, 39285), (32, 39294), (34, 39309), (37, 39360), (38, 39390), (39, 39408), (40, 39414), (41, 39423), (43, 39474), (45, 39522), (48, 39591), (50, 39645),

Gene: SamW_46 Start: 38284, Stop: 38919, Start Num: 10
Candidate Starts for SamW_46:
(2, 38170), (Start: 10 @38284 has 6 MA's), (25, 38434), (44, 38716),

Gene: StAB_60 Start: 44023, Stop: 44655, Start Num: 9
Candidate Starts for StAB_60:
(1, 43906), (Start: 9 @44023 has 2 MA's), (11, 44029), (21, 44137), (26, 44215), (27, 44218), (49, 44611),

Gene: Stiles_53 Start: 41110, Stop: 41742, Start Num: 9
Candidate Starts for Stiles_53:
(1, 40987), (Start: 9 @41110 has 2 MA's), (11, 41116), (21, 41224), (49, 41698),

Gene: TouchMeNot_52 Start: 39224, Stop: 39838, Start Num: 12
Candidate Starts for TouchMeNot_52:
(Start: 12 @39224 has 4 MA's), (13, 39236), (14, 39239), (15, 39248), (18, 39305), (24, 39356), (25, 39374), (26, 39416), (29, 39440), (30, 39452), (31, 39458), (32, 39467), (34, 39482), (37, 39533), (38, 39563), (39, 39581), (40, 39587), (41, 39596), (43, 39647), (45, 39695), (48, 39764), (50, 39818),

Gene: Troy_46 Start: 38284, Stop: 38919, Start Num: 10
Candidate Starts for Troy_46:
(2, 38170), (Start: 10 @38284 has 6 MA's), (25, 38434), (44, 38716),