Pham 289914

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 289914 Report

This analysis was run 03/28/26 on database version 641.

Pham number 289914 has 12 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Vitaenoii_95, Philon9_95
• Track 2 : Teatealatte_99, Tredge_98
• Track 3 : Benczkowski14_99, Katyusha_97, Niagara_98
• Track 4 : Demosthenes_94
• Track 5 : ASerpRocky_94, Kvothe_98, Teech_99
• Track 6 : Hollow_99

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 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ASerpRocky_94, Benczkowski14_99, Demosthenes_94, Hollow_99, Katyusha_97, Kvothe_98, Niagara_98, Philon9_95, Teatealatte_99, Teech_99, Tredge_98, Vitaenoii_95,

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 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 12 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ASerpRocky_94 (CS4), Benczkowski14_99 (CS4), Demosthenes_94 (CS4), Hollow_99 (CS4), Katyusha_97 (CS4), Kvothe_98 (CS4), Niagara_98 (CS4), Philon9_95 (CS4), Teatealatte_99 (CS4), Teech_99 (CS4), Tredge_98 (CS4), Vitaenoii_95 (CS4),

Summary by clusters:

There is one cluster represented in this pham: CS4

Info for manual annotations of cluster CS4:
•Start number 1 was manually annotated 12 times for cluster CS4.

Gene Information:
Gene: ASerpRocky_94 Start: 73015, Stop: 72713, Start Num: 1
Candidate Starts for ASerpRocky_94:
(Start: 1 @73015 has 12 MA's), (2, 72961),

Gene: Benczkowski14_99 Start: 74036, Stop: 73734, Start Num: 1
Candidate Starts for Benczkowski14_99:
(Start: 1 @74036 has 12 MA's), (3, 73970), (6, 73868), (8, 73820),

Gene: Demosthenes_94 Start: 72740, Stop: 72438, Start Num: 1
Candidate Starts for Demosthenes_94:
(Start: 1 @72740 has 12 MA's), (2, 72686), (4, 72665),

Gene: Hollow_99 Start: 74062, Stop: 73760, Start Num: 1
Candidate Starts for Hollow_99:
(Start: 1 @74062 has 12 MA's), (3, 73996), (6, 73894), (7, 73858), (11, 73834),

Gene: Katyusha_97 Start: 74036, Stop: 73734, Start Num: 1
Candidate Starts for Katyusha_97:
(Start: 1 @74036 has 12 MA's), (3, 73970), (6, 73868), (8, 73820),

Gene: Kvothe_98 Start: 74124, Stop: 73822, Start Num: 1
Candidate Starts for Kvothe_98:
(Start: 1 @74124 has 12 MA's), (2, 74070),

Gene: Niagara_98 Start: 73961, Stop: 73659, Start Num: 1
Candidate Starts for Niagara_98:
(Start: 1 @73961 has 12 MA's), (3, 73895), (6, 73793), (8, 73745),

Gene: Philon9_95 Start: 73350, Stop: 73033, Start Num: 1
Candidate Starts for Philon9_95:
(Start: 1 @73350 has 12 MA's), (2, 73296), (4, 73275), (5, 73188), (9, 73122), (12, 73080), (13, 73068),

Gene: Teatealatte_99 Start: 74044, Stop: 73742, Start Num: 1
Candidate Starts for Teatealatte_99:
(Start: 1 @74044 has 12 MA's), (3, 73978), (6, 73876), (7, 73840), (10, 73819), (11, 73816),

Gene: Teech_99 Start: 73665, Stop: 73363, Start Num: 1
Candidate Starts for Teech_99:
(Start: 1 @73665 has 12 MA's), (2, 73611),

Gene: Tredge_98 Start: 74044, Stop: 73742, Start Num: 1
Candidate Starts for Tredge_98:

(Start: 1 @74044 has 12 MA's), (3, 73978), (6, 73876), (7, 73840), (10, 73819), (11, 73816),

Gene: Vitaenoii_95 Start: 73334, Stop: 73017, Start Num: 1
Candidate Starts for Vitaenoii_95:
(Start: 1 @73334 has 12 MA's), (2, 73280), (4, 73259), (5, 73172), (9, 73106), (12, 73064), (13, 73052),