



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 316235 Report

This analysis was run 09/05/26 on database version 662.

Pham number 316235 has 10 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Benczkowski14_90, Katyusha_88
- Track 2 : Kvothe_89, Hollow_89, Teech_90, Niagara_89
- Track 3 : ASerpRocky_83
- Track 4 : Demosthenes_83
- Track 5 : Teatealatte_90, Tredge_89

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 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ASerpRocky_83, Benczkowski14_90, Demosthenes_83, Hollow_89, Katyusha_88, Kvothe_89, Niagara_89, Teatealatte_90, Teech_90, Tredge_89,

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 10 of 10 (100.0%) of genes in pham
- Manual Annotations of this start: 10 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ASerpRocky_83 (CS4), Benczkowski14_90 (CS4), Demosthenes_83 (CS4), Hollow_89 (CS4), Katyusha_88 (CS4), Kvothe_89 (CS4), Niagara_89 (CS4), Teatealatte_90 (CS4), Teech_90 (CS4), Tredge_89 (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 10 times for cluster CS4.

Gene Information:

Gene: ASerpRocky_83 Start: 69129, Stop: 68521, Start Num: 1

Candidate Starts for ASerpRocky_83:

(Start: 1 @69129 has 10 MA's), (2, 69114), (3, 69048), (4, 69030), (5, 69024), (6, 68940), (7, 68904), (8, 68892), (9, 68859), (10, 68829), (11, 68757), (12, 68724), (13, 68712), (14, 68703), (16, 68640), (17, 68637), (18, 68598), (19, 68583),

Gene: Benczkowski14_90 Start: 70662, Stop: 70054, Start Num: 1

Candidate Starts for Benczkowski14_90:

(Start: 1 @70662 has 10 MA's), (2, 70647), (3, 70581), (4, 70563), (5, 70557), (6, 70473), (7, 70437), (8, 70425), (10, 70362), (11, 70290), (12, 70257), (13, 70245), (14, 70236), (15, 70215), (16, 70173), (17, 70170), (18, 70131), (19, 70116),

Gene: Demosthenes_83 Start: 68995, Stop: 68387, Start Num: 1

Candidate Starts for Demosthenes_83:

(Start: 1 @68995 has 10 MA's), (2, 68980), (3, 68914), (4, 68896), (5, 68890), (6, 68806), (7, 68770), (9, 68725), (10, 68695), (11, 68623), (12, 68590), (13, 68578), (14, 68569), (16, 68506), (17, 68503), (18, 68464),

Gene: Hollow_89 Start: 70473, Stop: 69865, Start Num: 1

Candidate Starts for Hollow_89:

(Start: 1 @70473 has 10 MA's), (2, 70458), (3, 70392), (4, 70374), (5, 70368), (6, 70284), (7, 70248), (8, 70236), (9, 70203), (10, 70173), (11, 70101), (12, 70068), (13, 70056), (14, 70047), (15, 70026), (16, 69984), (17, 69981), (18, 69942), (19, 69927),

Gene: Katyusha_88 Start: 70662, Stop: 70054, Start Num: 1

Candidate Starts for Katyusha_88:

(Start: 1 @70662 has 10 MA's), (2, 70647), (3, 70581), (4, 70563), (5, 70557), (6, 70473), (7, 70437), (8, 70425), (10, 70362), (11, 70290), (12, 70257), (13, 70245), (14, 70236), (15, 70215), (16, 70173), (17, 70170), (18, 70131), (19, 70116),

Gene: Kvothe_89 Start: 70671, Stop: 70063, Start Num: 1

Candidate Starts for Kvothe_89:

(Start: 1 @70671 has 10 MA's), (2, 70656), (3, 70590), (4, 70572), (5, 70566), (6, 70482), (7, 70446), (8, 70434), (9, 70401), (10, 70371), (11, 70299), (12, 70266), (13, 70254), (14, 70245), (15, 70224), (16, 70182), (17, 70179), (18, 70140), (19, 70125),

Gene: Niagara_89 Start: 70595, Stop: 69987, Start Num: 1

Candidate Starts for Niagara_89:

(Start: 1 @70595 has 10 MA's), (2, 70580), (3, 70514), (4, 70496), (5, 70490), (6, 70406), (7, 70370), (8, 70358), (9, 70325), (10, 70295), (11, 70223), (12, 70190), (13, 70178), (14, 70169), (15, 70148), (16, 70106), (17, 70103), (18, 70064), (19, 70049),

Gene: Teatealatte_90 Start: 70673, Stop: 70065, Start Num: 1

Candidate Starts for Teatealatte_90:

(Start: 1 @70673 has 10 MA's), (2, 70658), (3, 70592), (4, 70574), (5, 70568), (6, 70484), (7, 70448), (9, 70403), (10, 70373), (11, 70301), (12, 70268), (13, 70256), (14, 70247), (15, 70226), (16, 70184), (17, 70181),

Gene: Teech_90 Start: 70308, Stop: 69700, Start Num: 1

Candidate Starts for Teech_90:

(Start: 1 @70308 has 10 MA's), (2, 70293), (3, 70227), (4, 70209), (5, 70203), (6, 70119), (7, 70083), (8, 70071), (9, 70038), (10, 70008), (11, 69936), (12, 69903), (13, 69891), (14, 69882), (15, 69861), (16, 69819), (17, 69816), (18, 69777), (19, 69762),

Gene: Tredge_89 Start: 70673, Stop: 70065, Start Num: 1

Candidate Starts for Tredge_89:

(Start: 1 @70673 has 10 MA's), (2, 70658), (3, 70592), (4, 70574), (5, 70568), (6, 70484), (7, 70448), (9, 70403), (10, 70373), (11, 70301), (12, 70268), (13, 70256), (14, 70247), (15, 70226), (16, 70184), (17, 70181),