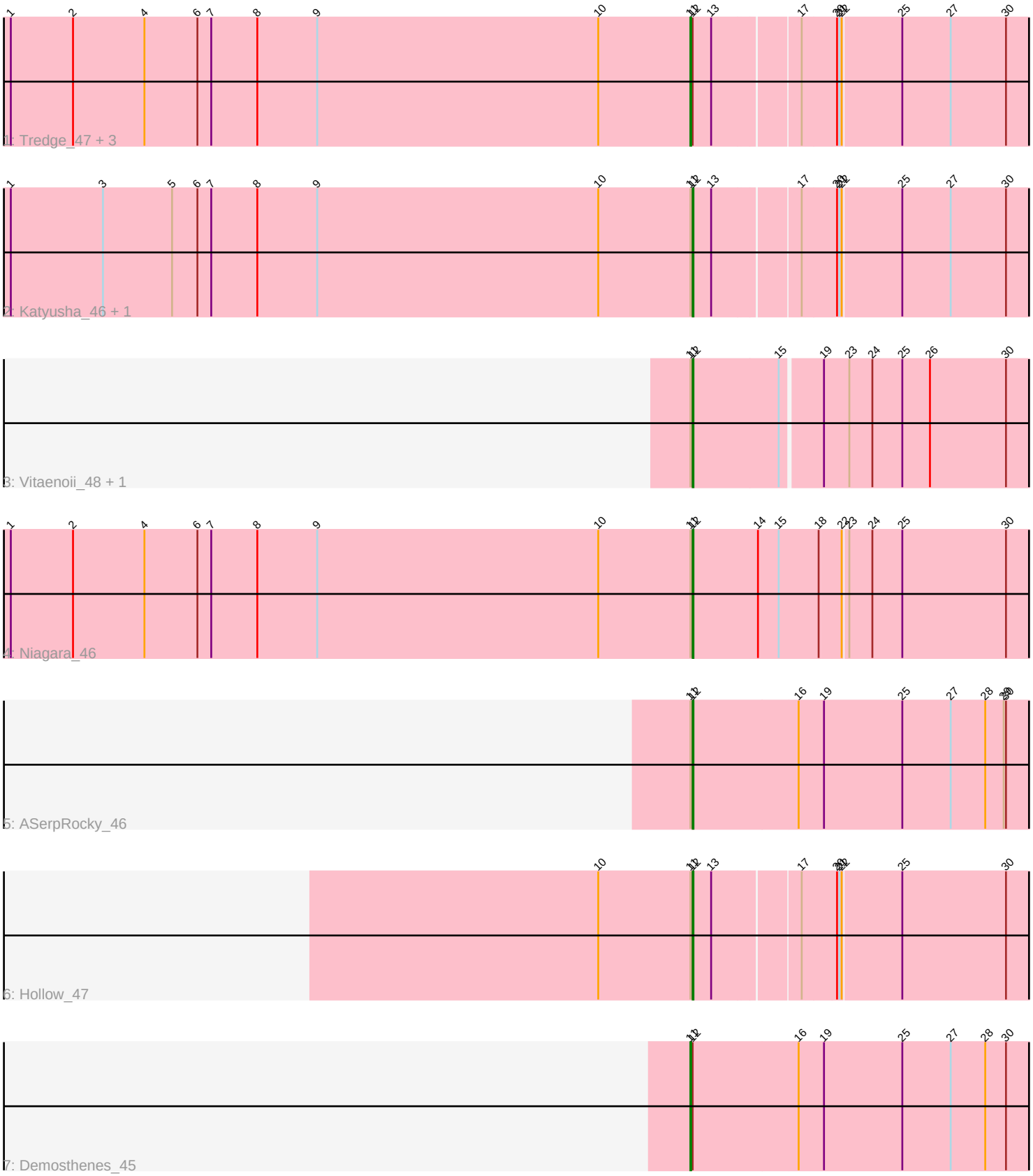
Pham 346342


1: Tredge_47 + 3
2: Katyusha_46 + 1
3: Vitaenoii_48 + 1
4: Niagara_46
5: ASerpRocky_46
6: Hollow_47
7: Demosthenes_45

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 346342 Report

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

Pham number 346342 has 12 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Tredge_47, Teatealatte_47, Teech_47, Kvothe_46
• Track 2 : Katyusha_46, Benczkowski14_46
• Track 3 : Vitaenoii_48, Philon9_48
• Track 4 : Niagara_46
• Track 5 : ASerpRocky_46
• Track 6 : Hollow_47
• Track 7 : Demosthenes_45

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

The start number called the most often in the published annotations is 12, it was called in 7 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ASerpRocky_46, Benczkowski14_46, Hollow_47, Katyusha_46, Niagara_46, Philon9_48, Vitaenoii_48,

Genes that have the "Most Annotated" start but do not call it:
• Demosthenes_45, Kvothe_46, Teatealatte_47, Teech_47, Tredge_47,

Genes that do not have the "Most Annotated" start:
•

Summary by start number:

Start 11:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 12
• Called 41.7% of time when present
• Phage (with cluster) where this start called: Demosthenes_45 (CS4), Kvothe_46 (CS4), Teatealatte_47 (CS4), Teech_47 (CS4), Tredge_47 (CS4),

Start 12:
• Found in 12 of 12 (100.0%) of genes in pham

• Manual Annotations of this start: 7 of 12
• Called 58.3% of time when present
• Phage (with cluster) where this start called: ASerpRocky_46 (CS4), Benczkowski14_46 (CS4), Hollow_47 (CS4), Katyusha_46 (CS4), Niagara_46 (CS4), Philon9_48 (CS4), Vitaenoii_48 (CS4),

Summary by clusters:

There is one cluster represented in this pham: CS4

Info for manual annotations of cluster CS4:
•Start number 11 was manually annotated 5 times for cluster CS4.
•Start number 12 was manually annotated 7 times for cluster CS4.

Gene Information:

Gene: ASerpRocky_46 Start: 47420, Stop: 46950, Start Num: 12
Candidate Starts for ASerpRocky_46:
(Start: 11 @47423 has 5 MA's), (Start: 12 @47420 has 7 MA's), (16, 47285), (19, 47252), (25, 47150), (27, 47087), (28, 47042), (29, 47018), (30, 47015),

Gene: Benczkowski14_46 Start: 47691, Stop: 47239, Start Num: 12
Candidate Starts for Benczkowski14_46:
(1, 48579), (3, 48459), (5, 48369), (6, 48336), (7, 48318), (8, 48258), (9, 48180), (10, 47814), (Start: 11 @47694 has 5 MA's), (Start: 12 @47691 has 7 MA's), (13, 47667), (17, 47562), (20, 47520), (21, 47517), (22, 47514), (25, 47439), (27, 47376), (30, 47304),

Gene: Demosthenes_45 Start: 47399, Stop: 46926, Start Num: 11
Candidate Starts for Demosthenes_45:
(Start: 11 @47399 has 5 MA's), (Start: 12 @47396 has 7 MA's), (16, 47261), (19, 47228), (25, 47126), (27, 47063), (28, 47018), (30, 46991),

Gene: Hollow_47 Start: 48027, Stop: 47575, Start Num: 12
Candidate Starts for Hollow_47:
(10, 48150), (Start: 11 @48030 has 5 MA's), (Start: 12 @48027 has 7 MA's), (13, 48003), (17, 47898), (20, 47856), (21, 47853), (22, 47850), (25, 47775), (30, 47640),

Gene: Katyusha_46 Start: 47691, Stop: 47239, Start Num: 12
Candidate Starts for Katyusha_46:
(1, 48579), (3, 48459), (5, 48369), (6, 48336), (7, 48318), (8, 48258), (9, 48180), (10, 47814), (Start: 11 @47694 has 5 MA's), (Start: 12 @47691 has 7 MA's), (13, 47667), (17, 47562), (20, 47520), (21, 47517), (22, 47514), (25, 47439), (27, 47376), (30, 47304),

Gene: Kvothe_46 Start: 47593, Stop: 47138, Start Num: 11
Candidate Starts for Kvothe_46:
(1, 48478), (2, 48397), (4, 48304), (6, 48235), (7, 48217), (8, 48157), (9, 48079), (10, 47713), (Start: 11 @47593 has 5 MA's), (Start: 12 @47590 has 7 MA's), (13, 47566), (17, 47461), (20, 47419), (21, 47416), (22, 47413), (25, 47338), (27, 47275), (30, 47203),

Gene: Niagara_46 Start: 47681, Stop: 47217, Start Num: 12
Candidate Starts for Niagara_46:

(1, 48569), (2, 48488), (4, 48395), (6, 48326), (7, 48308), (8, 48248), (9, 48170), (10, 47804), (Start: 11 @47684 has 5 MA's), (Start: 12 @47681 has 7 MA's), (14, 47597), (15, 47570), (18, 47519), (22, 47492), (23, 47486), (24, 47456), (25, 47417), (30, 47282),

Gene: Philon9_48 Start: 48712, Stop: 48248, Start Num: 12
Candidate Starts for Philon9_48:
(Start: 11 @48715 has 5 MA's), (Start: 12 @48712 has 7 MA's), (15, 48601), (19, 48550), (23, 48517), (24, 48487), (25, 48448), (26, 48412), (30, 48313),

Gene: Teatealatte_47 Start: 47596, Stop: 47141, Start Num: 11
Candidate Starts for Teatealatte_47:
(1, 48481), (2, 48400), (4, 48307), (6, 48238), (7, 48220), (8, 48160), (9, 48082), (10, 47716), (Start: 11 @47596 has 5 MA's), (Start: 12 @47593 has 7 MA's), (13, 47569), (17, 47464), (20, 47422), (21, 47419), (22, 47416), (25, 47341), (27, 47278), (30, 47206),

Gene: Teech_47 Start: 47397, Stop: 46942, Start Num: 11
Candidate Starts for Teech_47:
(1, 48282), (2, 48201), (4, 48108), (6, 48039), (7, 48021), (8, 47961), (9, 47883), (10, 47517), (Start: 11 @47397 has 5 MA's), (Start: 12 @47394 has 7 MA's), (13, 47370), (17, 47265), (20, 47223), (21, 47220), (22, 47217), (25, 47142), (27, 47079), (30, 47007),

Gene: Tredge_47 Start: 47596, Stop: 47141, Start Num: 11
Candidate Starts for Tredge_47:
(1, 48481), (2, 48400), (4, 48307), (6, 48238), (7, 48220), (8, 48160), (9, 48082), (10, 47716), (Start: 11 @47596 has 5 MA's), (Start: 12 @47593 has 7 MA's), (13, 47569), (17, 47464), (20, 47422), (21, 47419), (22, 47416), (25, 47341), (27, 47278), (30, 47206),

Gene: Vitaenoii_48 Start: 48711, Stop: 48247, Start Num: 12
Candidate Starts for Vitaenoii_48:
(Start: 11 @48714 has 5 MA's), (Start: 12 @48711 has 7 MA's), (15, 48600), (19, 48549), (23, 48516), (24, 48486), (25, 48447), (26, 48411), (30, 48312),