Pham 5662

1: Katyusha_41 + 6

2: ASerpRocky_42

3: Philon9_43

4: Demosthenes_41

5: Hollow_42

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 5662 Report

This analysis was run 04/12/24 on database version 558.

Pham number 5662 has 11 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Katyusha_41, Tredge_42, Niagara_41, Teatealatte_42, Benczkowski14_41, Teech_42, Kvothe_41
• Track 2 : ASerpRocky_42
• Track 3 : Philon9_43
• Track 4 : Demosthenes_41
• Track 5 : Hollow_42

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

The start number called the most often in the published annotations is 2, it was called in 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ASerpRocky_42, Benczkowski14_41, Demosthenes_41, Hollow_42, Katyusha_41, Kvothe_41, Niagara_41, Philon9_43, Teatealatte_42, Teech_42, Tredge_42,

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 2:
• Found in 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 9 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ASerpRocky_42 (CS4), Benczkowski14_41 (CS4), Demosthenes_41 (CS4), Hollow_42 (CS4), Katyusha_41 (CS4), Kvothe_41 (CS4), Niagara_41 (CS4), Philon9_43 (CS4), Teatealatte_42 (CS4), Teech_42 (CS4), Tredge_42 (CS4),

Summary by clusters:

There is one cluster represented in this pham: CS4

Info for manual annotations of cluster CS4:
•Start number 2 was manually annotated 9 times for cluster CS4.

Gene Information:

Gene: ASerpRocky_42 Start: 44905, Stop: 44792, Start Num: 2
Candidate Starts for ASerpRocky_42:
(1, 44914), (Start: 2 @44905 has 9 MA's), (3, 44890), (4, 44869), (6, 44851), (7, 44848),

Gene: Benczkowski14_41 Start: 44938, Stop: 44825, Start Num: 2
Candidate Starts for Benczkowski14_41:
(1, 44947), (Start: 2 @44938 has 9 MA's), (3, 44923), (4, 44902), (6, 44884), (7, 44881),

Gene: Demosthenes_41 Start: 44878, Stop: 44765, Start Num: 2
Candidate Starts for Demosthenes_41:
(1, 44887), (Start: 2 @44878 has 9 MA's), (3, 44863), (4, 44842), (6, 44824), (7, 44821), (10, 44800),

Gene: Hollow_42 Start: 45284, Stop: 45171, Start Num: 2
Candidate Starts for Hollow_42:
(1, 45293), (Start: 2 @45284 has 9 MA's), (3, 45269), (4, 45248), (6, 45230), (7, 45227), (10, 45206),

Gene: Katyusha_41 Start: 44938, Stop: 44825, Start Num: 2
Candidate Starts for Katyusha_41:
(1, 44947), (Start: 2 @44938 has 9 MA's), (3, 44923), (4, 44902), (6, 44884), (7, 44881),

Gene: Kvothe_41 Start: 44837, Stop: 44724, Start Num: 2
Candidate Starts for Kvothe_41:
(1, 44846), (Start: 2 @44837 has 9 MA's), (3, 44822), (4, 44801), (6, 44783), (7, 44780),

Gene: Niagara_41 Start: 44916, Stop: 44803, Start Num: 2
Candidate Starts for Niagara_41:
(1, 44925), (Start: 2 @44916 has 9 MA's), (3, 44901), (4, 44880), (6, 44862), (7, 44859),

Gene: Philon9_43 Start: 46118, Stop: 45999, Start Num: 2
Candidate Starts for Philon9_43:
(Start: 2 @46118 has 9 MA's), (5, 46079), (8, 46052), (9, 46049), (10, 46043),

Gene: Teatealatte_42 Start: 44840, Stop: 44727, Start Num: 2
Candidate Starts for Teatealatte_42:
(1, 44849), (Start: 2 @44840 has 9 MA's), (3, 44825), (4, 44804), (6, 44786), (7, 44783),

Gene: Teech_42 Start: 44641, Stop: 44528, Start Num: 2
Candidate Starts for Teech_42:
(1, 44650), (Start: 2 @44641 has 9 MA's), (3, 44626), (4, 44605), (6, 44587), (7, 44584),

Gene: Tredge_42 Start: 44840, Stop: 44727, Start Num: 2
Candidate Starts for Tredge_42:
(1, 44849), (Start: 2 @44840 has 9 MA's), (3, 44825), (4, 44804), (6, 44786), (7, 44783),