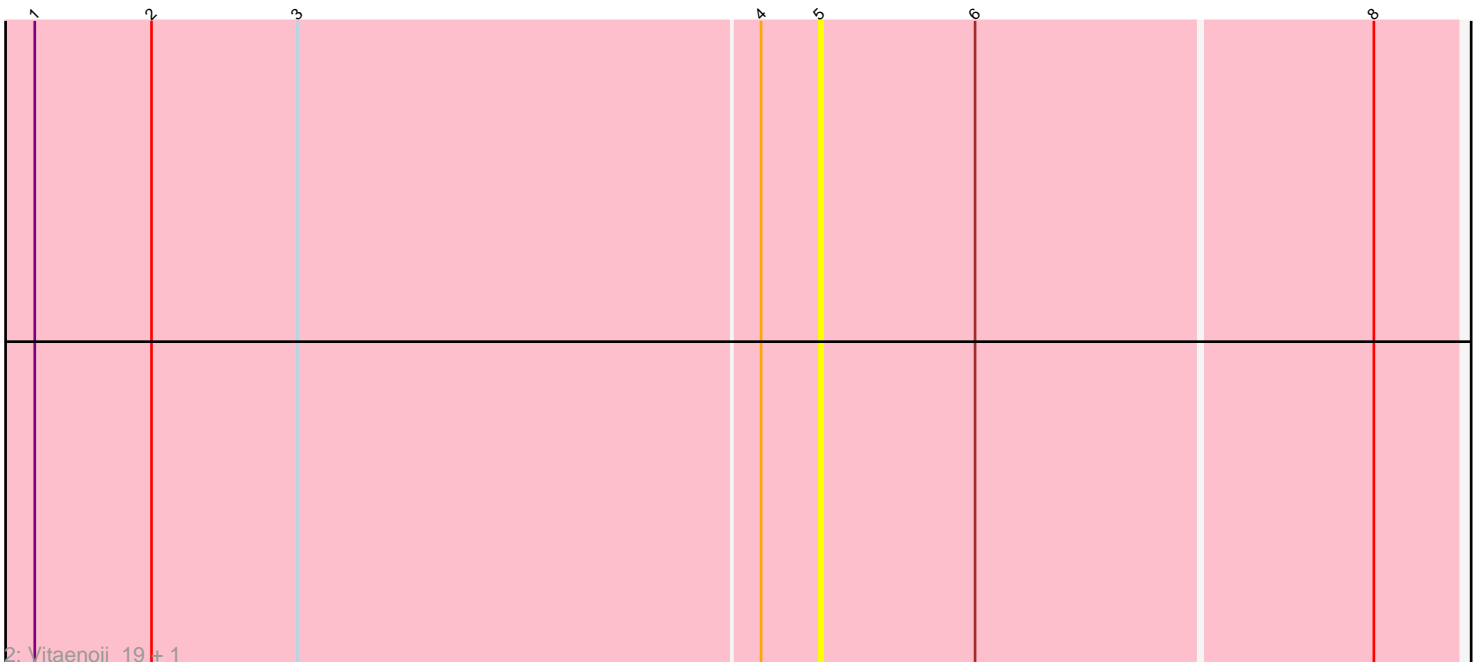# Pham 198581

1: ASerpRocky_18 + 9

2: Vitaenoii_19 + 1

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 198581 Report

This analysis was run 01/18/25 on database version 583.

Pham number 198581 has 12 members, 3 are drafts.

Phages represented in each track:
• Track 1 : ASerpRocky_18, Kvothe_18, Niagara_18, Teech_18, Demosthenes_18, Tredge_18, Hollow_18, Katyusha_18, Benczkowski14_18, Teatealatte_18
• Track 2 : Vitaenoii_19, Philon9_20

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

The start number called the most often in the published annotations is 5, it was called in 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ASerpRocky_18, Benczkowski14_18, Demosthenes_18, Hollow_18, Katyusha_18, Kvothe_18, Niagara_18, Philon9_20, Teatealatte_18, Teech_18, Tredge_18, Vitaenoii_19,

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 5:
• Found in 12 of 12 (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_18 (CS4), Benczkowski14_18 (CS4), Demosthenes_18 (CS4), Hollow_18 (CS4), Katyusha_18 (CS4), Kvothe_18 (CS4), Niagara_18 (CS4), Philon9_20 (CS4), Teatealatte_18 (CS4), Teech_18 (CS4), Tredge_18 (CS4), Vitaenoii_19 (CS4),

Summary by clusters:

There is one cluster represented in this pham: CS4

Info for manual annotations of cluster CS4:
•Start number 5 was manually annotated 9 times for cluster CS4.

Gene Information:
Gene: ASerpRocky_18 Start: 18527, Stop: 18817, Start Num: 5
Candidate Starts for ASerpRocky_18:
(4, 18509), (Start: 5 @18527 has 9 MA's), (7, 18680),

Gene: Benczkowski14_18 Start: 18609, Stop: 18899, Start Num: 5
Candidate Starts for Benczkowski14_18:
(4, 18591), (Start: 5 @18609 has 9 MA's), (7, 18762),

Gene: Demosthenes_18 Start: 18500, Stop: 18790, Start Num: 5
Candidate Starts for Demosthenes_18:
(4, 18482), (Start: 5 @18500 has 9 MA's), (7, 18653),

Gene: Hollow_18 Start: 17775, Stop: 18065, Start Num: 5
Candidate Starts for Hollow_18:
(4, 17757), (Start: 5 @17775 has 9 MA's), (7, 17928),

Gene: Katyusha_18 Start: 18609, Stop: 18899, Start Num: 5
Candidate Starts for Katyusha_18:
(4, 18591), (Start: 5 @18609 has 9 MA's), (7, 18762),

Gene: Kvothe_18 Start: 18546, Stop: 18836, Start Num: 5
Candidate Starts for Kvothe_18:
(4, 18528), (Start: 5 @18546 has 9 MA's), (7, 18699),

Gene: Niagara_18 Start: 18566, Stop: 18856, Start Num: 5
Candidate Starts for Niagara_18:
(4, 18548), (Start: 5 @18566 has 9 MA's), (7, 18719),

Gene: Philon9_20 Start: 20444, Stop: 20719, Start Num: 5
Candidate Starts for Philon9_20:
(1, 20204), (2, 20240), (3, 20285), (4, 20426), (Start: 5 @20444 has 9 MA's), (6, 20492), (8, 20612),

Gene: Teatealatte_18 Start: 18529, Stop: 18819, Start Num: 5
Candidate Starts for Teatealatte_18:
(4, 18511), (Start: 5 @18529 has 9 MA's), (7, 18682),

Gene: Teech_18 Start: 18330, Stop: 18620, Start Num: 5
Candidate Starts for Teech_18:
(4, 18312), (Start: 5 @18330 has 9 MA's), (7, 18483),

Gene: Tredge_18 Start: 18529, Stop: 18819, Start Num: 5
Candidate Starts for Tredge_18:
(4, 18511), (Start: 5 @18529 has 9 MA's), (7, 18682),

Gene: Vitaenoii_19 Start: 20443, Stop: 20718, Start Num: 5

Candidate Starts for Vitaenoii_19:
(1, 20203), (2, 20239), (3, 20284), (4, 20425), (Start: 5 @20443 has 9 MA's), (6, 20491), (8, 20611),