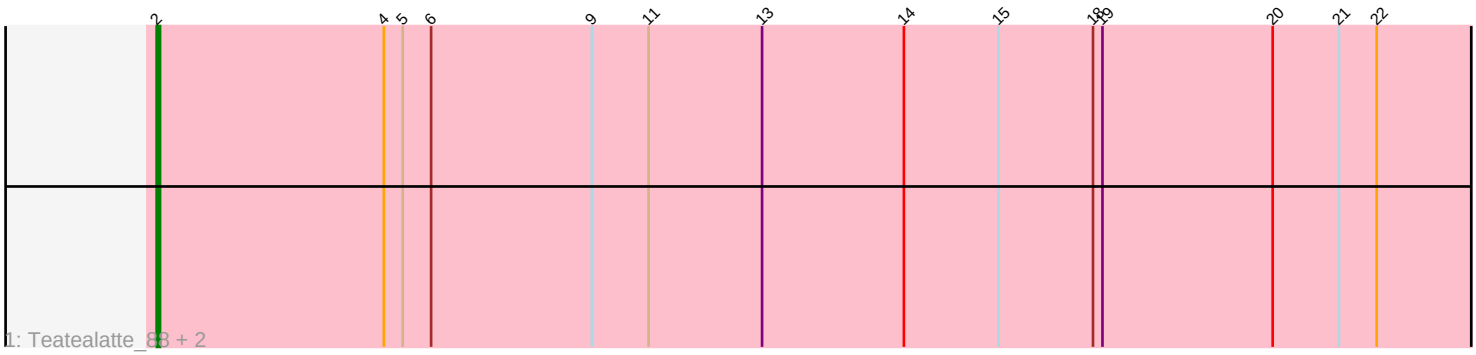
Pham 291702


2
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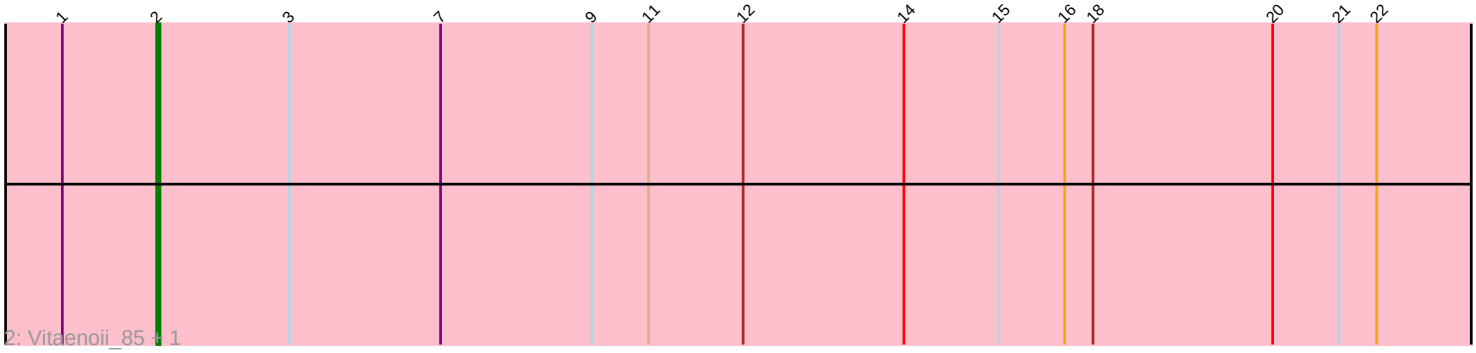
21
22
1: Teatealatte_83 + 2


1
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3
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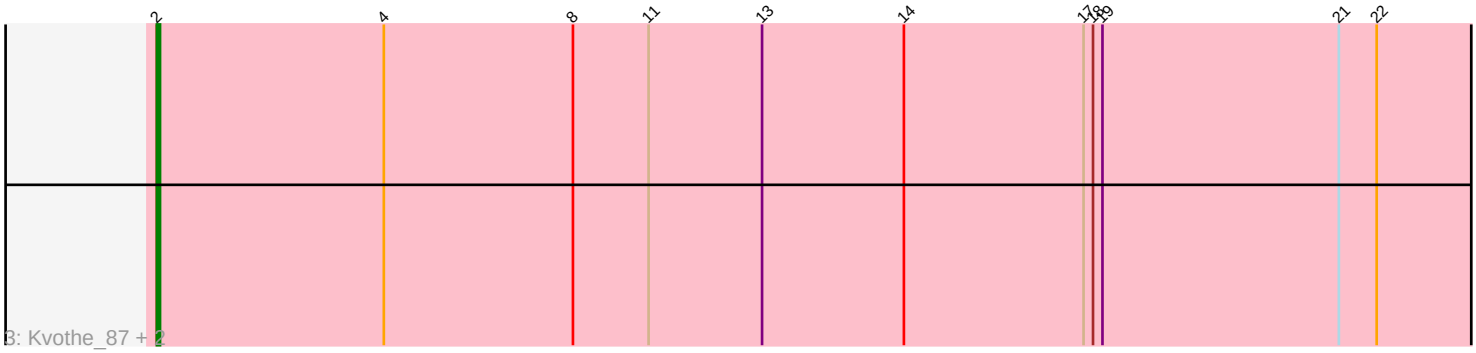
2: Vitaenoii_85 + 1


2
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8
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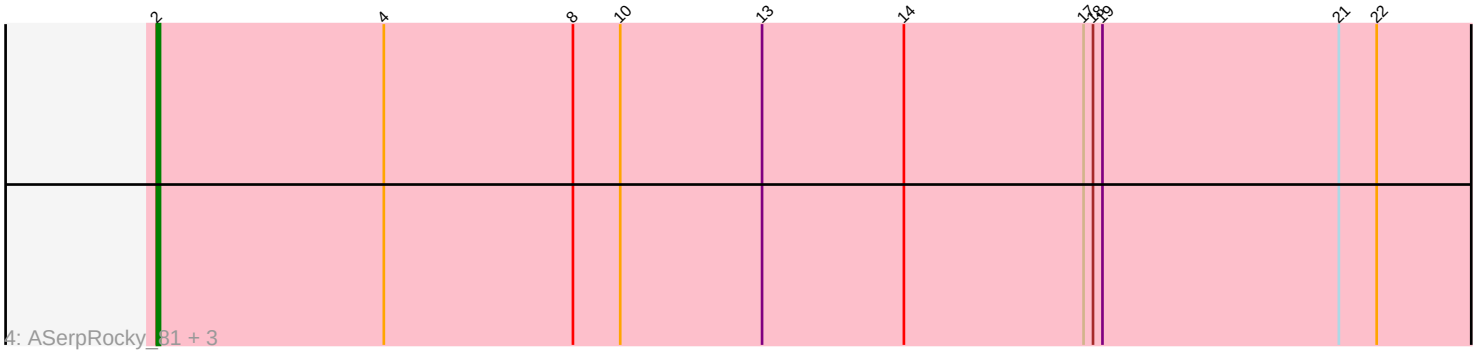
22
3: Kvothe_87 + 2


2
4
8
10
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22
4: ASerpRocky_81 + 3

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 291702 Report

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

Pham number 291702 has 12 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Teatealatte_88, Niagara_87, Tredge_87
• Track 2 : Vitaenoii_85, Philon9_85
• Track 3 : Kvothe_87, Teech_88, Hollow_87
• Track 4 : ASerpRocky_81, Demosthenes_81, Benczkowski14_88, Katyusha_86

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

Genes that call this "Most Annotated" start:
• ASerpRocky_81, Benczkowski14_88, Demosthenes_81, Hollow_87, Katyusha_86, Kvothe_87, Niagara_87, Philon9_85, Teatealatte_88, Teech_88, Tredge_87, Vitaenoii_85,

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 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_81 (CS4), Benczkowski14_88 (CS4), Demosthenes_81 (CS4), Hollow_87 (CS4), Katyusha_86 (CS4), Kvothe_87 (CS4), Niagara_87 (CS4), Philon9_85 (CS4), Teatealatte_88 (CS4), Teech_88 (CS4), Tredge_87 (CS4), Vitaenoii_85 (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 12 times for cluster CS4.

Gene Information:

Gene: ASerpRocky_81 Start: 67672, Stop: 67214, Start Num: 2
Candidate Starts for ASerpRocky_81:
(Start: 2 @67672 has 12 MA's), (4, 67600), (8, 67540), (10, 67525), (13, 67480), (14, 67435), (17, 67378), (18, 67375), (19, 67372), (21, 67297), (22, 67285),

Gene: Benczkowski14_88 Start: 69205, Stop: 68747, Start Num: 2
Candidate Starts for Benczkowski14_88:
(Start: 2 @69205 has 12 MA's), (4, 69133), (8, 69073), (10, 69058), (13, 69013), (14, 68968), (17, 68911), (18, 68908), (19, 68905), (21, 68830), (22, 68818),

Gene: Demosthenes_81 Start: 67538, Stop: 67080, Start Num: 2
Candidate Starts for Demosthenes_81:
(Start: 2 @67538 has 12 MA's), (4, 67466), (8, 67406), (10, 67391), (13, 67346), (14, 67301), (17, 67244), (18, 67241), (19, 67238), (21, 67163), (22, 67151),

Gene: Hollow_87 Start: 69016, Stop: 68558, Start Num: 2
Candidate Starts for Hollow_87:
(Start: 2 @69016 has 12 MA's), (4, 68944), (8, 68884), (11, 68860), (13, 68824), (14, 68779), (17, 68722), (18, 68719), (19, 68716), (21, 68641), (22, 68629),

Gene: Katyusha_86 Start: 69205, Stop: 68747, Start Num: 2
Candidate Starts for Katyusha_86:
(Start: 2 @69205 has 12 MA's), (4, 69133), (8, 69073), (10, 69058), (13, 69013), (14, 68968), (17, 68911), (18, 68908), (19, 68905), (21, 68830), (22, 68818),

Gene: Kvothe_87 Start: 69214, Stop: 68756, Start Num: 2
Candidate Starts for Kvothe_87:
(Start: 2 @69214 has 12 MA's), (4, 69142), (8, 69082), (11, 69058), (13, 69022), (14, 68977), (17, 68920), (18, 68917), (19, 68914), (21, 68839), (22, 68827),

Gene: Niagara_87 Start: 69138, Stop: 68680, Start Num: 2
Candidate Starts for Niagara_87:
(Start: 2 @69138 has 12 MA's), (4, 69066), (5, 69060), (6, 69051), (9, 69000), (11, 68982), (13, 68946), (14, 68901), (15, 68871), (18, 68841), (19, 68838), (20, 68784), (21, 68763), (22, 68751),

Gene: Philon9_85 Start: 69156, Stop: 68698, Start Num: 2
Candidate Starts for Philon9_85:
(1, 69186), (Start: 2 @69156 has 12 MA's), (3, 69114), (7, 69066), (9, 69018), (11, 69000), (12, 68970), (14, 68919), (15, 68889), (16, 68868), (18, 68859), (20, 68802), (21, 68781), (22, 68769),

Gene: Teatealatte_88 Start: 69221, Stop: 68763, Start Num: 2
Candidate Starts for Teatealatte_88:
(Start: 2 @69221 has 12 MA's), (4, 69149), (5, 69143), (6, 69134), (9, 69083), (11, 69065), (13, 69029), (14, 68984), (15, 68954), (18, 68924), (19, 68921), (20, 68867), (21, 68846), (22, 68834),

Gene: Teech_88 Start: 68851, Stop: 68393, Start Num: 2
Candidate Starts for Teech_88:
(Start: 2 @68851 has 12 MA's), (4, 68779), (8, 68719), (11, 68695), (13, 68659), (14, 68614), (17, 68557), (18, 68554), (19, 68551), (21, 68476), (22, 68464),

Gene: Tredge_87 Start: 69221, Stop: 68763, Start Num: 2
Candidate Starts for Tredge_87:
(Start: 2 @69221 has 12 MA's), (4, 69149), (5, 69143), (6, 69134), (9, 69083), (11, 69065), (13, 69029), (14, 68984), (15, 68954), (18, 68924), (19, 68921), (20, 68867), (21, 68846), (22, 68834),

Gene: Vitaenoii_85 Start: 69140, Stop: 68682, Start Num: 2
Candidate Starts for Vitaenoii_85:
(1, 69170), (Start: 2 @69140 has 12 MA's), (3, 69098), (7, 69050), (9, 69002), (11, 68984), (12, 68954), (14, 68903), (15, 68873), (16, 68852), (18, 68843), (20, 68786), (21, 68765), (22, 68753),