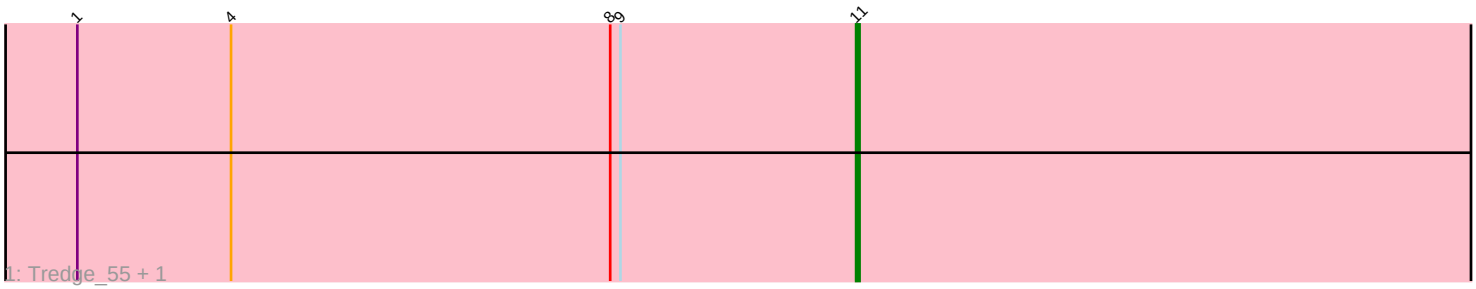
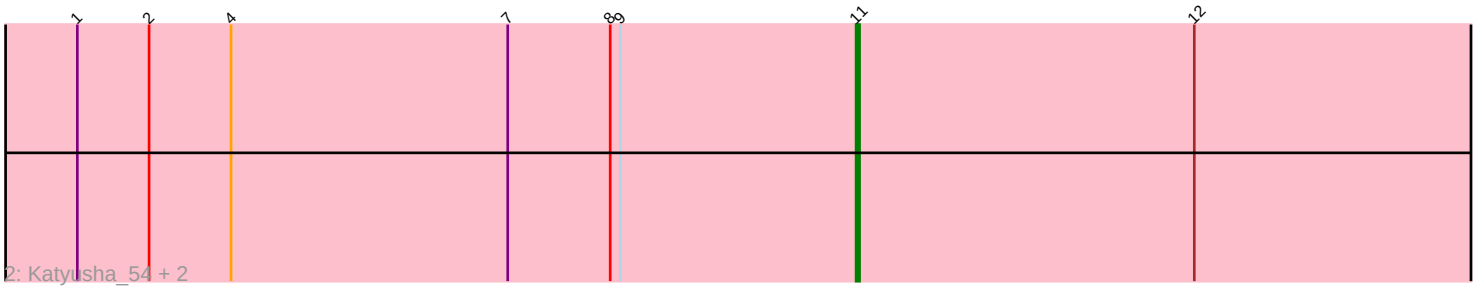
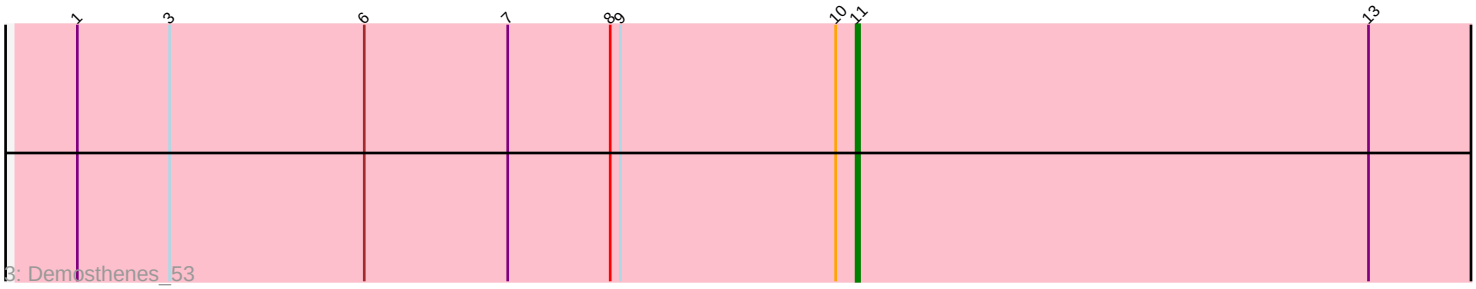
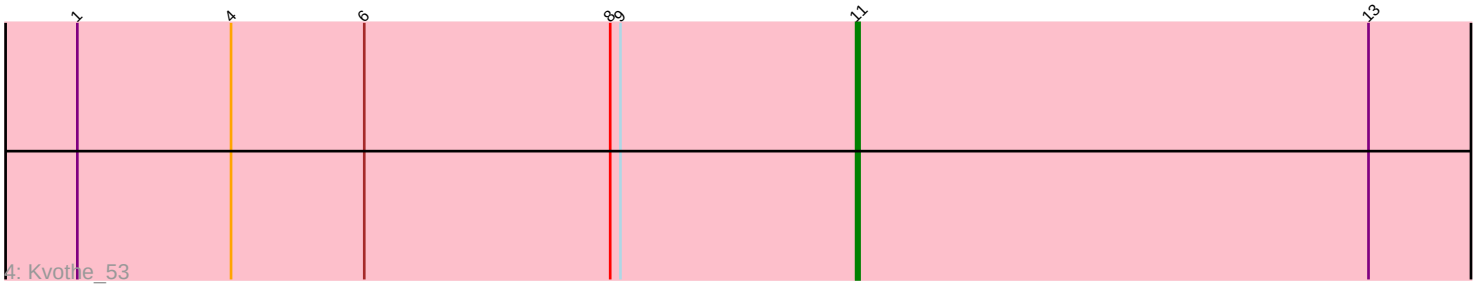
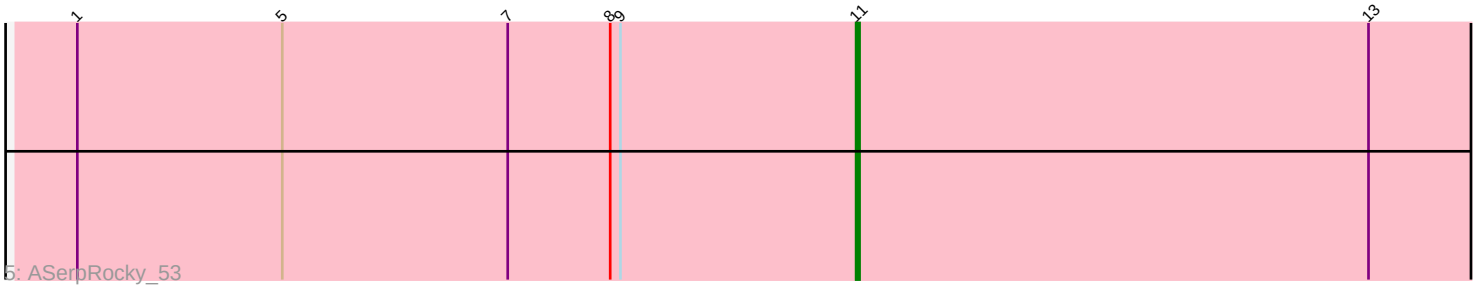
Pham 87745


1
4
8
9
11
1: Tredge_55 + 1


1
2
4
7
8
9
11
12
2: Katyusha_54 + 2


1
3
6
7
8
9
10
11
13
3: Demosthenes_53


1
4
6
8
9
11
13
4: Kvothe_53


1
5
7
8
9
11
13
5: ASergRocky_53

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 87745 Report

This analysis was run 03/30/24 on database version 556.

Pham number 87745 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Tredge_55, Teatealatte_55
• Track 2 : Katyusha_54, Benczkowski14_54, Niagara_54
• Track 3 : Demosthenes_53
• Track 4 : Kvothe_53
• Track 5 : ASerpRocky_53

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

The start number called the most often in the published annotations is 11, it was called in 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ASerpRocky_53, Benczkowski14_54, Demosthenes_53, Katyusha_54, Kvothe_53, Niagara_54, Teatealatte_55, Tredge_55,

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 11:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ASerpRocky_53 (CS4), Benczkowski14_54 (CS4), Demosthenes_53 (CS4), Katyusha_54 (CS4), Kvothe_53 (CS4), Niagara_54 (CS4), Teatealatte_55 (CS4), Tredge_55 (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 8 times for cluster CS4.

Gene Information:

Gene: ASerpRocky_53 Start: 50851, Stop: 50606, Start Num: 11
Candidate Starts for ASerpRocky_53:
(1, 51079), (5, 51019), (7, 50953), (8, 50923), (9, 50920), (Start: 11 @50851 has 8 MA's), (13, 50701),

Gene: Benczkowski14_54 Start: 51122, Stop: 50877, Start Num: 11
Candidate Starts for Benczkowski14_54:
(1, 51350), (2, 51329), (4, 51305), (7, 51224), (8, 51194), (9, 51191), (Start: 11 @51122 has 8 MA's), (12, 51023),

Gene: Demosthenes_53 Start: 50827, Stop: 50582, Start Num: 11
Candidate Starts for Demosthenes_53:
(1, 51055), (3, 51028), (6, 50971), (7, 50929), (8, 50899), (9, 50896), (10, 50833), (Start: 11 @50827 has 8 MA's), (13, 50677),

Gene: Katyusha_54 Start: 51122, Stop: 50877, Start Num: 11
Candidate Starts for Katyusha_54:
(1, 51350), (2, 51329), (4, 51305), (7, 51224), (8, 51194), (9, 51191), (Start: 11 @51122 has 8 MA's), (12, 51023),

Gene: Kvothe_53 Start: 51021, Stop: 50776, Start Num: 11
Candidate Starts for Kvothe_53:
(1, 51249), (4, 51204), (6, 51165), (8, 51093), (9, 51090), (Start: 11 @51021 has 8 MA's), (13, 50871),

Gene: Niagara_54 Start: 51112, Stop: 50867, Start Num: 11
Candidate Starts for Niagara_54:
(1, 51340), (2, 51319), (4, 51295), (7, 51214), (8, 51184), (9, 51181), (Start: 11 @51112 has 8 MA's), (12, 51013),

Gene: Teatealatte_55 Start: 51024, Stop: 50779, Start Num: 11
Candidate Starts for Teatealatte_55:
(1, 51252), (4, 51207), (8, 51096), (9, 51093), (Start: 11 @51024 has 8 MA's),

Gene: Tredge_55 Start: 51024, Stop: 50779, Start Num: 11
Candidate Starts for Tredge_55:
(1, 51252), (4, 51207), (8, 51096), (9, 51093), (Start: 11 @51024 has 8 MA's),