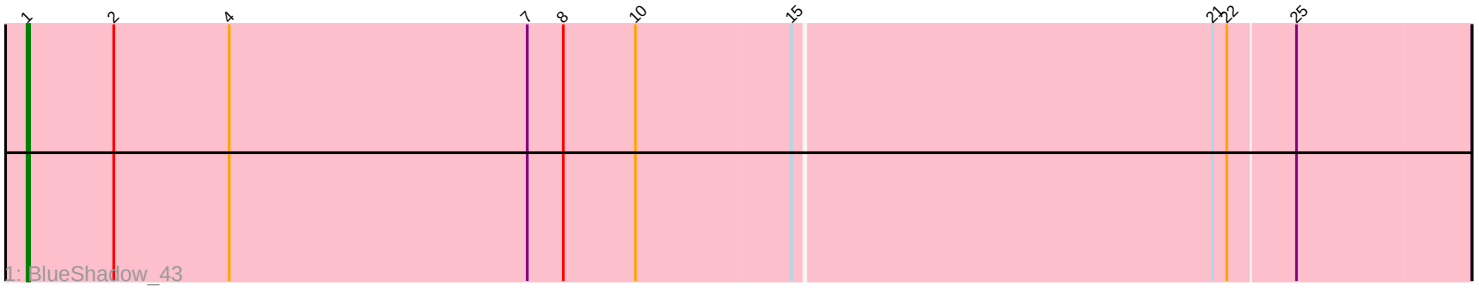
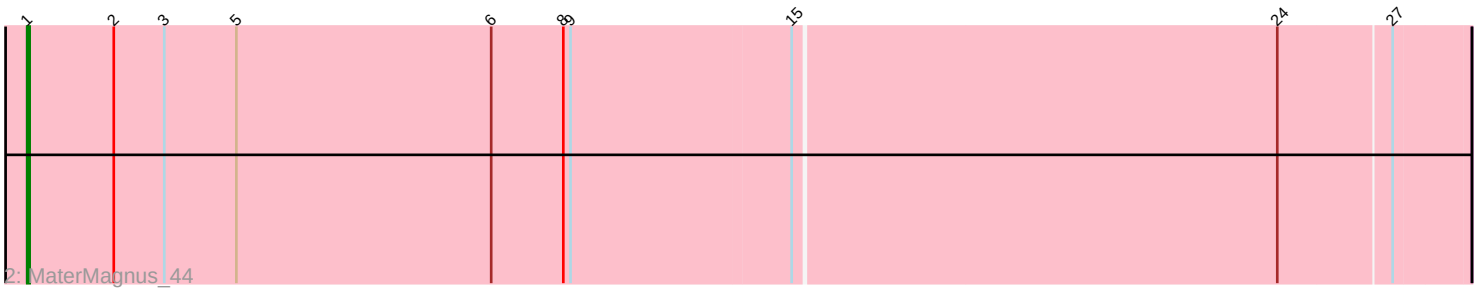
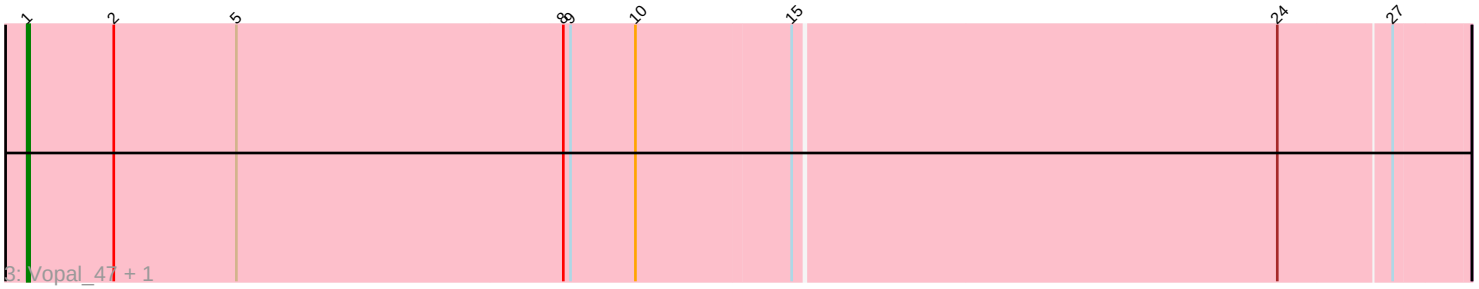
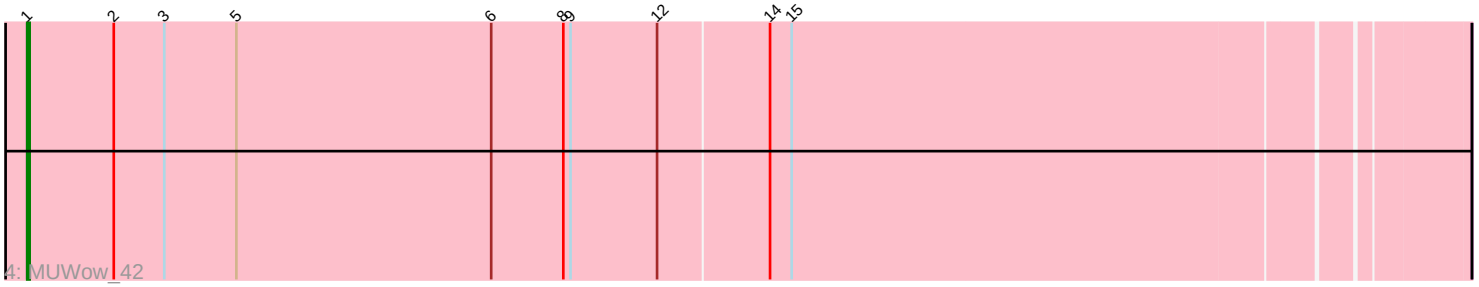
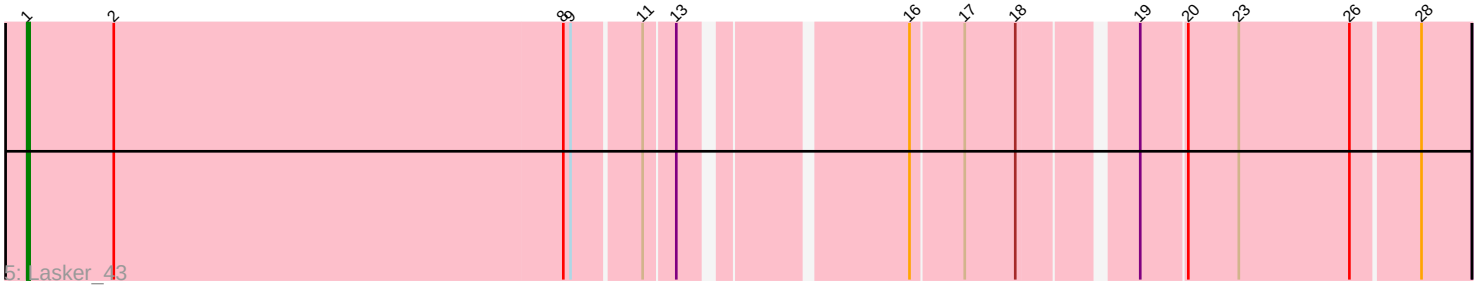
Pham 348404


1
2
4
7
8
10
15
21
22
25
1: BlueShadow_43


1
2
3
5
6
8
9
15
24
27
2: MaterMagnus_44


1
2
5
8
9
10
15
24
27
3: Vopal_47 + 1


1
2
3
5
6
8
9
12
14
15
4: MUWow_42


1
2
8
9
11
13
16
17
18
19
20
23
26
28
5: Lasker_43

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 348404 Report

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

Pham number 348404 has 6 members, 1 are drafts.

Phages represented in each track:
• Track 1 : BlueShadow_43
• Track 2 : MaterMagnus_44
• Track 3 : Vopal_47, AdaS_39
• Track 4 : MUWow_42
• Track 5 : Lasker_43

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

The start number called the most often in the published annotations is 1, it was called in 5 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AdaS_39, BlueShadow_43, Lasker_43, MUWow_42, MaterMagnus_44, Vopal_47,

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 1:
• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AdaS_39 (AY), BlueShadow_43 (AY), Lasker_43 (AY), MUWow_42 (AY), MaterMagnus_44 (AY), Vopal_47 (AY),

Summary by clusters:

There is one cluster represented in this pham: AY

Info for manual annotations of cluster AY:

•Start number 1 was manually annotated 5 times for cluster AY.

Gene Information:

Gene: AdaS_39 Start: 27182, Stop: 26595, Start Num: 1
Candidate Starts for AdaS_39:
(Start: 1 @27182 has 5 MA's), (2, 27146), (5, 27095), (8, 26960), (9, 26957), (10, 26930), (15, 26867), (24, 26669), (27, 26624),

Gene: BlueShadow_43 Start: 29259, Stop: 28669, Start Num: 1
Candidate Starts for BlueShadow_43:
(Start: 1 @29259 has 5 MA's), (2, 29223), (4, 29175), (7, 29052), (8, 29037), (10, 29007), (15, 28944), (21, 28773), (22, 28767), (25, 28740),

Gene: Lasker_43 Start: 29144, Stop: 28584, Start Num: 1
Candidate Starts for Lasker_43:
(Start: 1 @29144 has 5 MA's), (2, 29108), (8, 28922), (9, 28919), (11, 28892), (13, 28880), (16, 28799), (17, 28778), (18, 28757), (19, 28715), (20, 28697), (23, 28676), (26, 28631), (28, 28604),

Gene: MUWow_42 Start: 29171, Stop: 28590, Start Num: 1
Candidate Starts for MUWow_42:
(Start: 1 @29171 has 5 MA's), (2, 29135), (3, 29114), (5, 29084), (6, 28979), (8, 28949), (9, 28946), (12, 28910), (14, 28865), (15, 28856),

Gene: MaterMagnus_44 Start: 28973, Stop: 28386, Start Num: 1
Candidate Starts for MaterMagnus_44:
(Start: 1 @28973 has 5 MA's), (2, 28937), (3, 28916), (5, 28886), (6, 28781), (8, 28751), (9, 28748), (15, 28658), (24, 28460), (27, 28415),

Gene: Vopal_47 Start: 31936, Stop: 31349, Start Num: 1
Candidate Starts for Vopal_47:
(Start: 1 @31936 has 5 MA's), (2, 31900), (5, 31849), (8, 31714), (9, 31711), (10, 31684), (15, 31621), (24, 31423), (27, 31378),