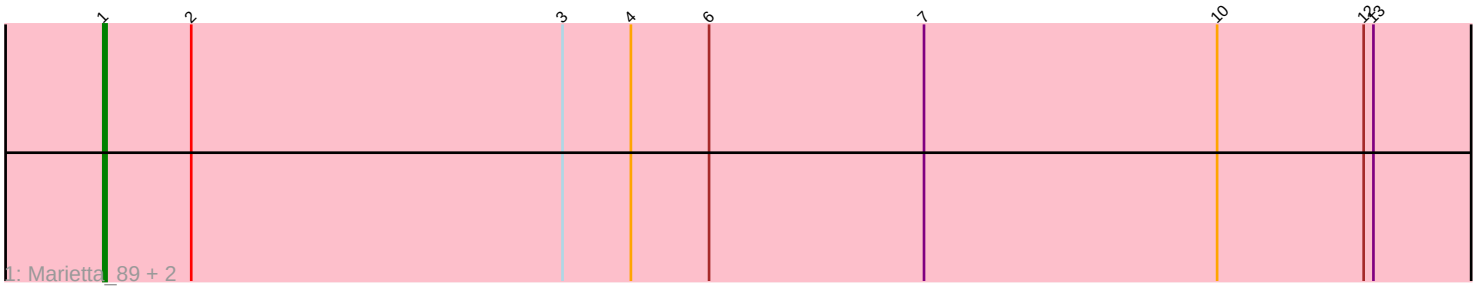
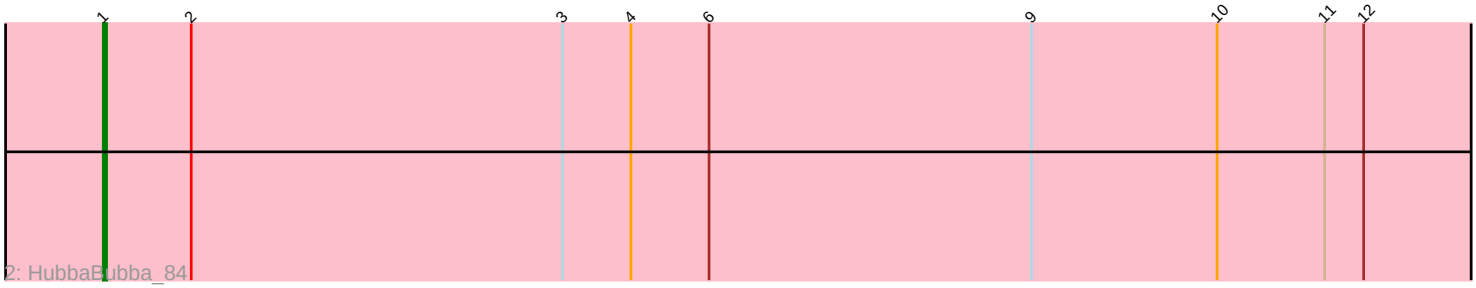
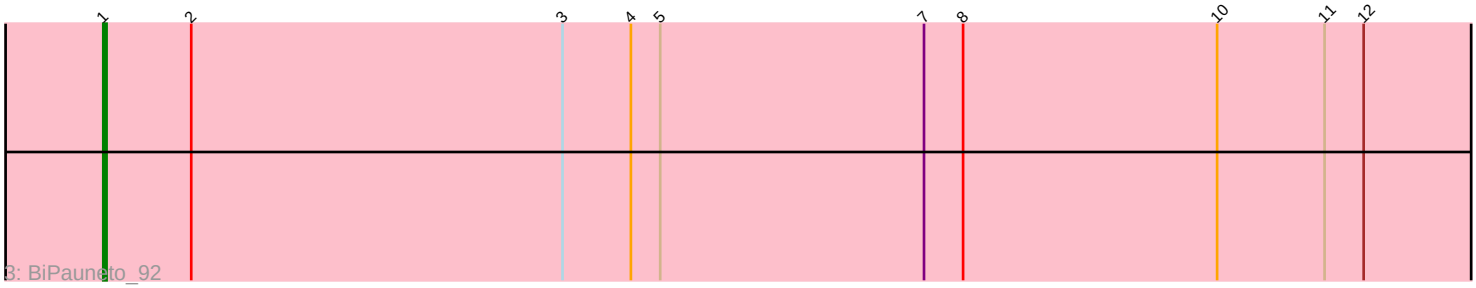
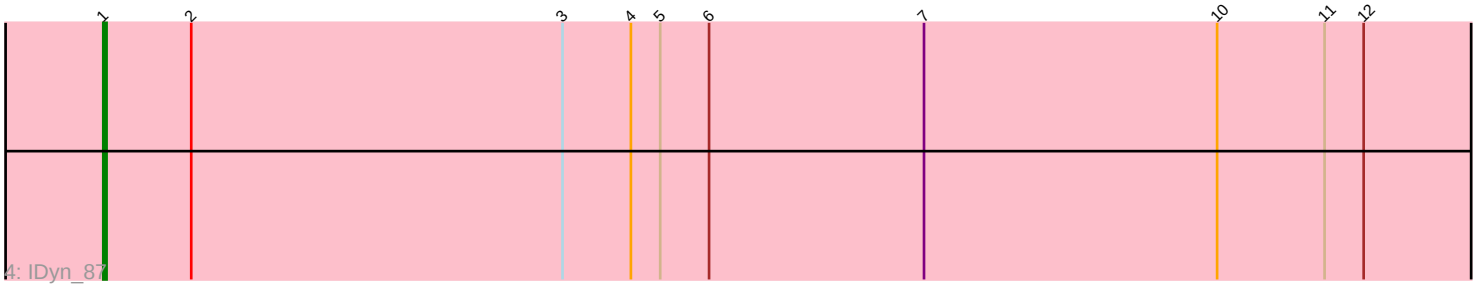
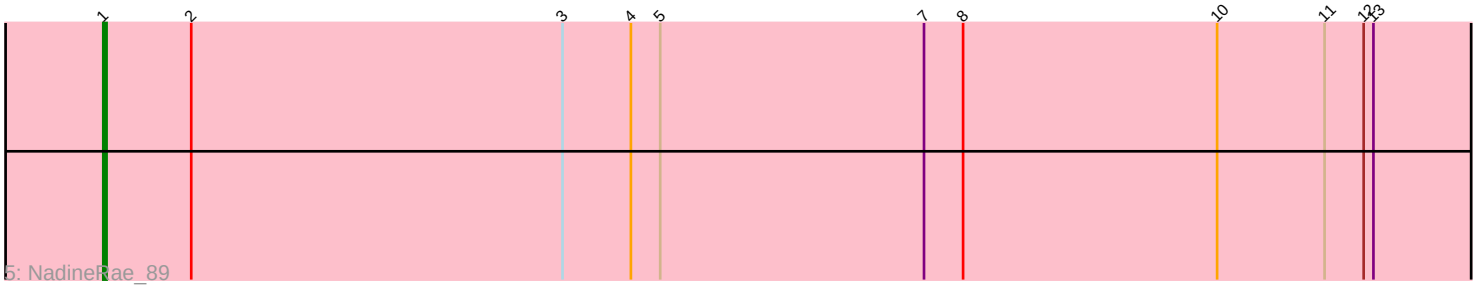
Pham 333576


1
2
3
4
6
7
10
12
13
1: Marietta_89 + 2


1
2
3
4
6
9
10
11
12
2: HubbaBubba_84


1
2
3
4
5
7
8
10
11
12
3: BiPaunero_92


1
2
3
4
5
6
7
10
11
12
4: IDyn_87


1
2
3
4
5
7
8
10
11
12
13
5: NadineRae_89

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 333576 Report

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

Pham number 333576 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Marietta_89, Pemberton_90, WhoseManz_89
• Track 2 : HubbaBubba_84
• Track 3 : BiPauneto_92
• Track 4 : IDyn_87
• Track 5 : NadineRae_89

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 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BiPauneto_92, HubbaBubba_84, IDyn_87, Marietta_89, NadineRae_89, Pemberton_90, WhoseManz_89,

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 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BiPauneto_92 (CR4), HubbaBubba_84 (CR4), IDyn_87 (CR4), Marietta_89 (CR4), NadineRae_89 (CR4), Pemberton_90 (CR4), WhoseManz_89 (CR4),

Summary by clusters:

There is one cluster represented in this pham: CR4

Info for manual annotations of cluster CR4:
•Start number 1 was manually annotated 7 times for cluster CR4.

Gene Information:

Gene: BiPauneto_92 Start: 64337, Stop: 64777, Start Num: 1
Candidate Starts for BiPauneto_92:
(Start: 1 @64337 has 7 MA's), (2, 64364), (3, 64478), (4, 64499), (5, 64508), (7, 64589), (8, 64601), (10, 64679), (11, 64712), (12, 64724),

Gene: HubbaBubba_84 Start: 61346, Stop: 61786, Start Num: 1
Candidate Starts for HubbaBubba_84:
(Start: 1 @61346 has 7 MA's), (2, 61373), (3, 61487), (4, 61508), (6, 61532), (9, 61631), (10, 61688), (11, 61721), (12, 61733),

Gene: IDyn_87 Start: 62492, Stop: 62932, Start Num: 1
Candidate Starts for IDyn_87:
(Start: 1 @62492 has 7 MA's), (2, 62519), (3, 62633), (4, 62654), (5, 62663), (6, 62678), (7, 62744), (10, 62834), (11, 62867), (12, 62879),

Gene: Marietta_89 Start: 62035, Stop: 62475, Start Num: 1
Candidate Starts for Marietta_89:
(Start: 1 @62035 has 7 MA's), (2, 62062), (3, 62176), (4, 62197), (6, 62221), (7, 62287), (10, 62377), (12, 62422), (13, 62425),

Gene: NadineRae_89 Start: 61966, Stop: 62406, Start Num: 1
Candidate Starts for NadineRae_89:
(Start: 1 @61966 has 7 MA's), (2, 61993), (3, 62107), (4, 62128), (5, 62137), (7, 62218), (8, 62230), (10, 62308), (11, 62341), (12, 62353), (13, 62356),

Gene: Pemberton_90 Start: 62281, Stop: 62721, Start Num: 1
Candidate Starts for Pemberton_90:
(Start: 1 @62281 has 7 MA's), (2, 62308), (3, 62422), (4, 62443), (6, 62467), (7, 62533), (10, 62623), (12, 62668), (13, 62671),

Gene: WhoseManz_89 Start: 61698, Stop: 62138, Start Num: 1
Candidate Starts for WhoseManz_89:
(Start: 1 @61698 has 7 MA's), (2, 61725), (3, 61839), (4, 61860), (6, 61884), (7, 61950), (10, 62040), (12, 62085), (13, 62088),