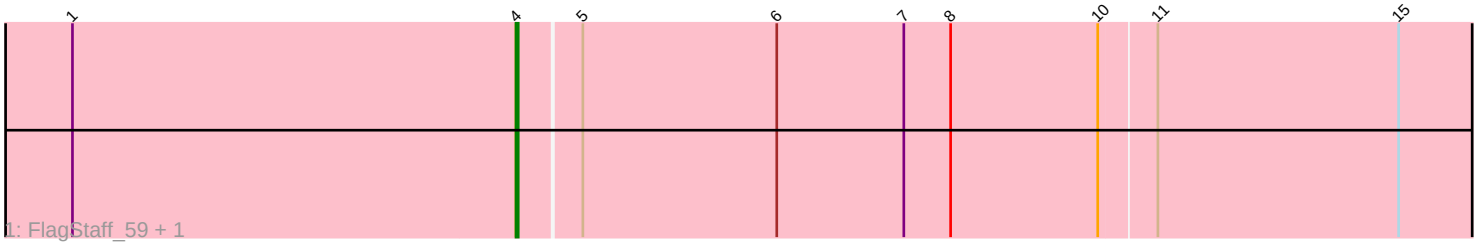
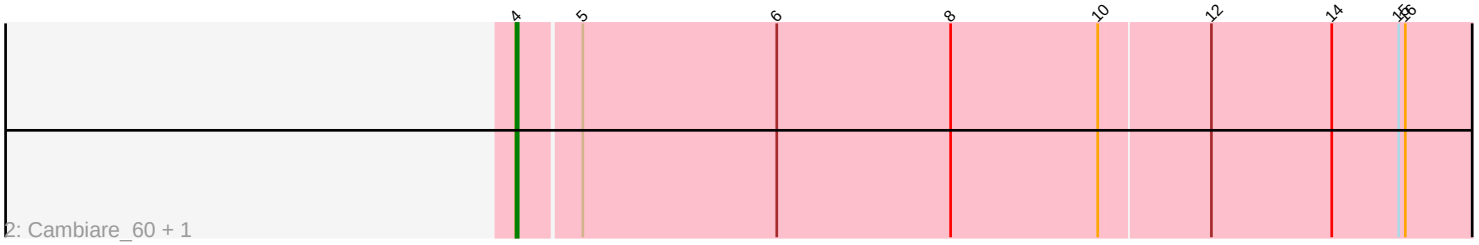
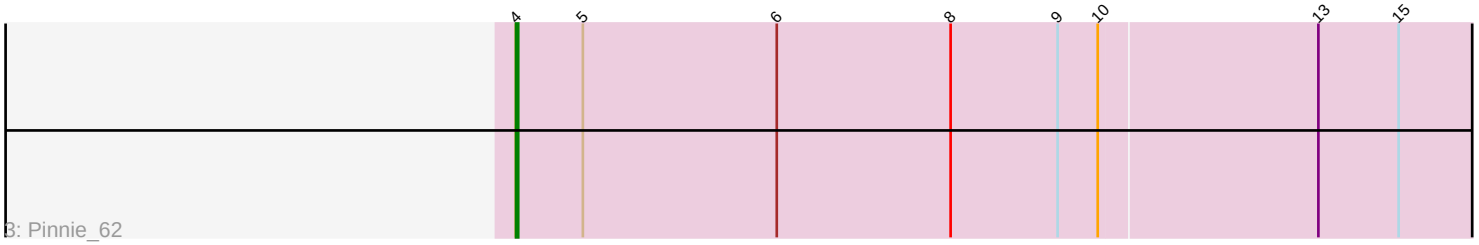
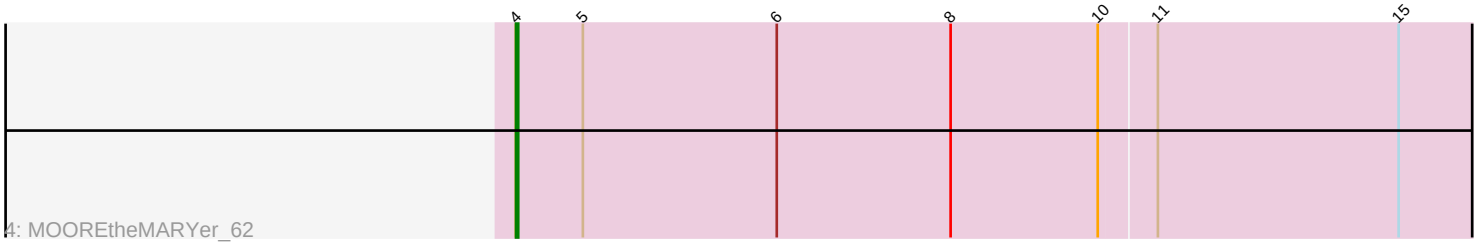
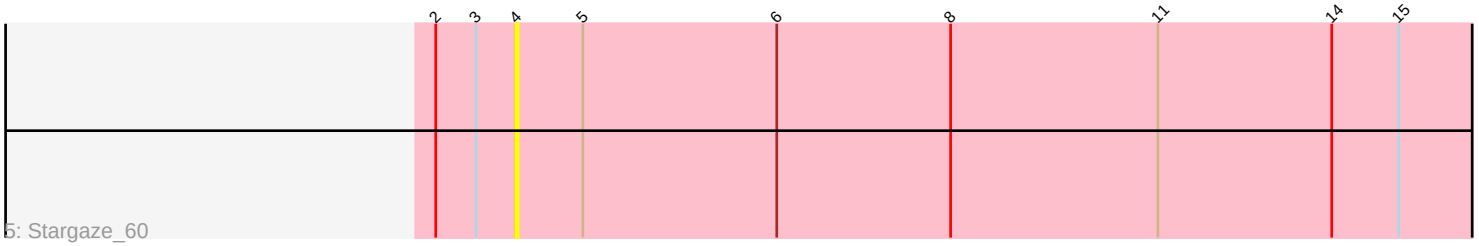
Pham 7329

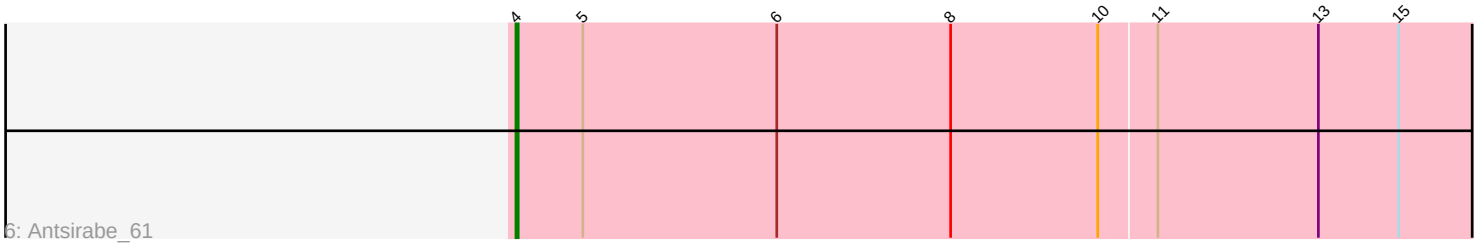

1
4
5
6
7
8
10
11
15
1: FlagStaff_59 + 1


4
5
6
8
10
12
14
15
16
2: Cambiare_60 + 1


4
5
6
8
9
10
13
15
3: Pinnie_62


4
5
6
8
10
11
15
4: MOOREtheMARYer_62


2
3
4
5
6
8
11
14
15
5: Stargaze_60


4
5
6
8
10
11
13
15
6: Antsirabe_61

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 7329 Report

This analysis was run 04/28/24 on database version 559.

Pham number 7329 has 8 members, 2 are drafts.

Phages represented in each track:
• Track 1 : FlagStaff_59, Pace1224_60
• Track 2 : Cambiare_60, Avocado_61
• Track 3 : Pinnie_62
• Track 4 : MOOREtheMARYer_62
• Track 5 : Stargaze_60
• Track 6 : Antsirabe_61

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

The start number called the most often in the published annotations is 4, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Antsirabe_61, Avocado_61, Cambiare_60, FlagStaff_59, MOOREtheMARYer_62, Pace1224_60, Pinnie_62, Stargaze_60,

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 4:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Antsirabe_61 (G5), Avocado_61 (G2), Cambiare_60 (G2), FlagStaff_59 (G2), MOOREtheMARYer_62 (G3), Pace1224_60 (G2), Pinnie_62 (G3), Stargaze_60 (G5),

Summary by clusters:

There are 3 clusters represented in this pham: G5, G3, G2,

Info for manual annotations of cluster G2:
•Start number 4 was manually annotated 3 times for cluster G2.

Info for manual annotations of cluster G3:
•Start number 4 was manually annotated 2 times for cluster G3.

Info for manual annotations of cluster G5:
•Start number 4 was manually annotated 1 time for cluster G5.

Gene Information:

Gene: Antsirabe_61 Start: 42125, Stop: 42562, Start Num: 4
Candidate Starts for Antsirabe_61:
(Start: 4 @42125 has 6 MA's), (5, 42155), (6, 42242), (8, 42320), (10, 42386), (11, 42410), (13, 42482), (15, 42518),

Gene: Avocado_61 Start: 42225, Stop: 42659, Start Num: 4
Candidate Starts for Avocado_61:
(Start: 4 @42225 has 6 MA's), (5, 42252), (6, 42339), (8, 42417), (10, 42483), (12, 42531), (14, 42585), (15, 42615), (16, 42618),

Gene: Cambiare_60 Start: 42025, Stop: 42459, Start Num: 4
Candidate Starts for Cambiare_60:
(Start: 4 @42025 has 6 MA's), (5, 42052), (6, 42139), (8, 42217), (10, 42283), (12, 42331), (14, 42385), (15, 42415), (16, 42418),

Gene: FlagStaff_59 Start: 41004, Stop: 41429, Start Num: 4
Candidate Starts for FlagStaff_59:
(1, 40806), (Start: 4 @41004 has 6 MA's), (5, 41031), (6, 41118), (7, 41175), (8, 41196), (10, 41262), (11, 41286), (15, 41394),

Gene: MOOREtheMARYer_62 Start: 41792, Stop: 42229, Start Num: 4
Candidate Starts for MOOREtheMARYer_62:
(Start: 4 @41792 has 6 MA's), (5, 41822), (6, 41909), (8, 41987), (10, 42053), (11, 42077), (15, 42185),

Gene: Pace1224_60 Start: 41033, Stop: 41455, Start Num: 4
Candidate Starts for Pace1224_60:
(1, 40835), (Start: 4 @41033 has 6 MA's), (5, 41060), (6, 41147), (7, 41204), (8, 41225), (10, 41291), (11, 41315), (15, 41423),

Gene: Pinnie_62 Start: 42227, Stop: 42664, Start Num: 4
Candidate Starts for Pinnie_62:
(Start: 4 @42227 has 6 MA's), (5, 42257), (6, 42344), (8, 42422), (9, 42470), (10, 42488), (13, 42584), (15, 42620),

Gene: Stargaze_60 Start: 42638, Stop: 43078, Start Num: 4
Candidate Starts for Stargaze_60:

(2, 42602), (3, 42620), (Start: 4 @42638 has 6 MA's), (5, 42668), (6, 42755), (8, 42833), (11, 42926), (14, 43004), (15, 43034),