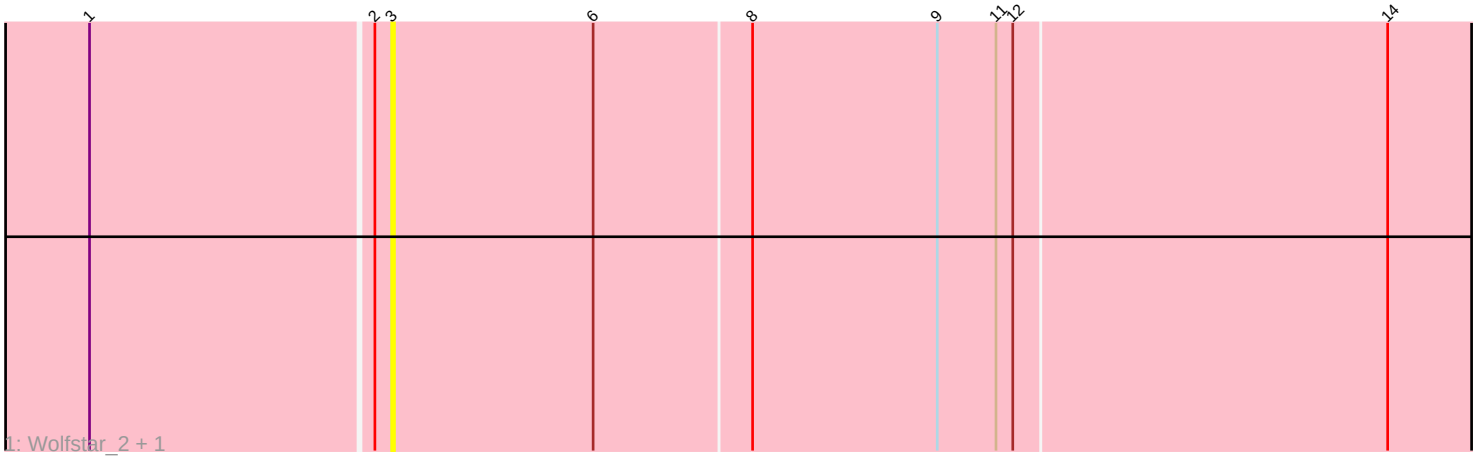
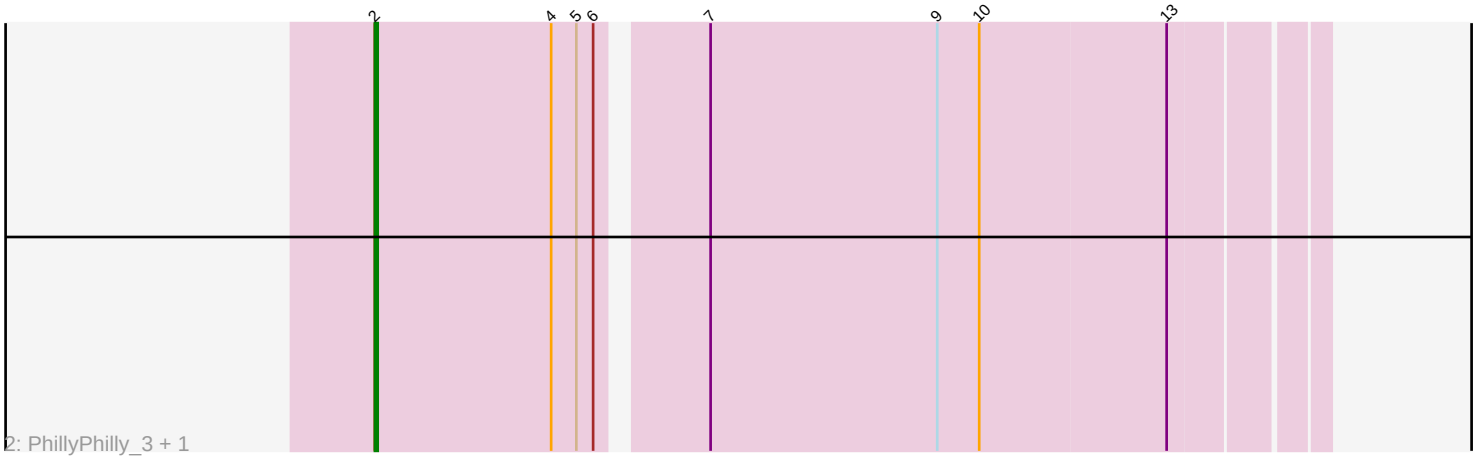
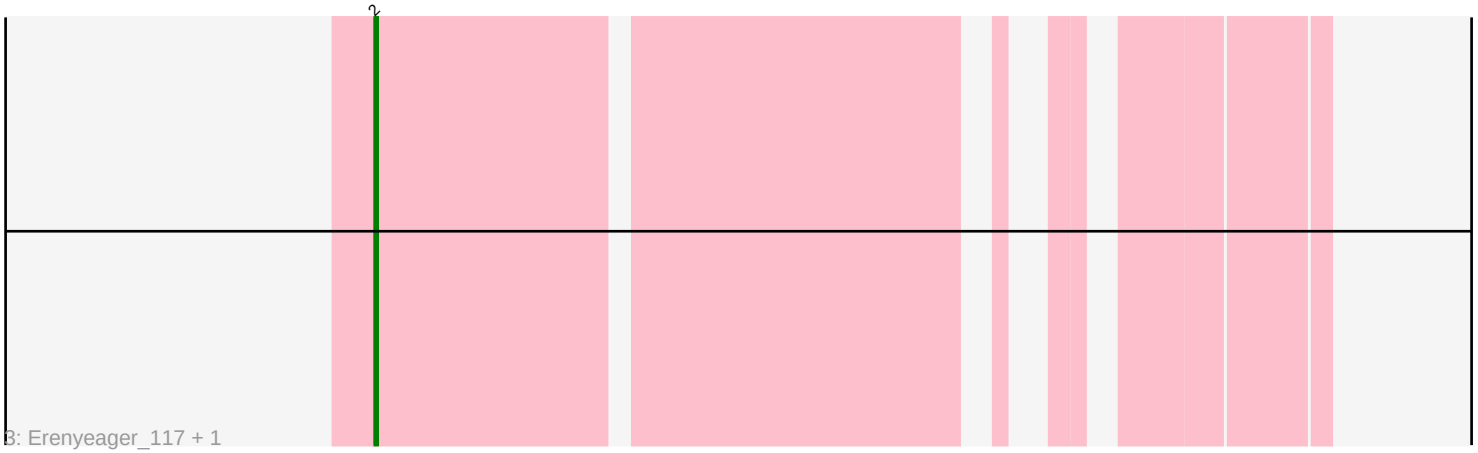
Pham 88722


1
2
3
6
8
9
11
12
14
1: Wolfstar_2 + 1


2
4
5
6
7
9
10
13
2: PhillyPhilly_3 + 1


2
3: Erenyeager_117 + 1

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 88722 Report

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

Pham number 88722 has 6 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Wolfstar_2, Wolfstar_118
• Track 2 : PhillyPhilly_3, PhillyPhilly_113
• Track 3 : Erenyeager_117, Erenyeager_2

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 4 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Erenyeager_117, Erenyeager_2, PhillyPhilly_113, PhillyPhilly_3,

Genes that have the "Most Annotated" start but do not call it:
• Wolfstar_118, Wolfstar_2,

Genes that do not have the "Most Annotated" start:
•

Summary by start number:

Start 2:
• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 4
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Erenyeager_117 (ED2), Erenyeager_2 (ED2), PhillyPhilly_113 (ED1), PhillyPhilly_3 (ED1),

Start 3:
• Found in 2 of 6 (33.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Wolfstar_118 (ED), Wolfstar_2 (ED),

Summary by clusters:

There are 3 clusters represented in this pham: ED2, ED, ED1,

Info for manual annotations of cluster ED1:
•Start number 2 was manually annotated 2 times for cluster ED1.

Info for manual annotations of cluster ED2:
•Start number 2 was manually annotated 2 times for cluster ED2.

Gene Information:

Gene: Erenyeager_117 Start: 60659, Stop: 60372, Start Num: 2
Candidate Starts for Erenyeager_117:
(Start: 2 @60659 has 4 MA's),

Gene: Erenyeager_2 Start: 998, Stop: 711, Start Num: 2
Candidate Starts for Erenyeager_2:
(Start: 2 @998 has 4 MA's),

Gene: PhillyPhilly_3 Start: 1154, Stop: 831, Start Num: 2
Candidate Starts for PhillyPhilly_3:
(Start: 2 @1154 has 4 MA's), (4, 1091), (5, 1082), (6, 1076), (7, 1043), (9, 962), (10, 947), (13, 881),

Gene: PhillyPhilly_113 Start: 60643, Stop: 60320, Start Num: 2
Candidate Starts for PhillyPhilly_113:
(Start: 2 @60643 has 4 MA's), (4, 60580), (5, 60571), (6, 60565), (7, 60532), (9, 60451), (10, 60436), (13, 60370),

Gene: Wolfstar_2 Start: 894, Stop: 502, Start Num: 3
Candidate Starts for Wolfstar_2:
(1, 999), (Start: 2 @900 has 4 MA's), (3, 894), (6, 822), (8, 768), (9, 702), (11, 681), (12, 675), (14, 543),

Gene: Wolfstar_118 Start: 62035, Stop: 61643, Start Num: 3
Candidate Starts for Wolfstar_118:
(1, 62140), (Start: 2 @62041 has 4 MA's), (3, 62035), (6, 61963), (8, 61909), (9, 61843), (11, 61822), (12, 61816), (14, 61684),