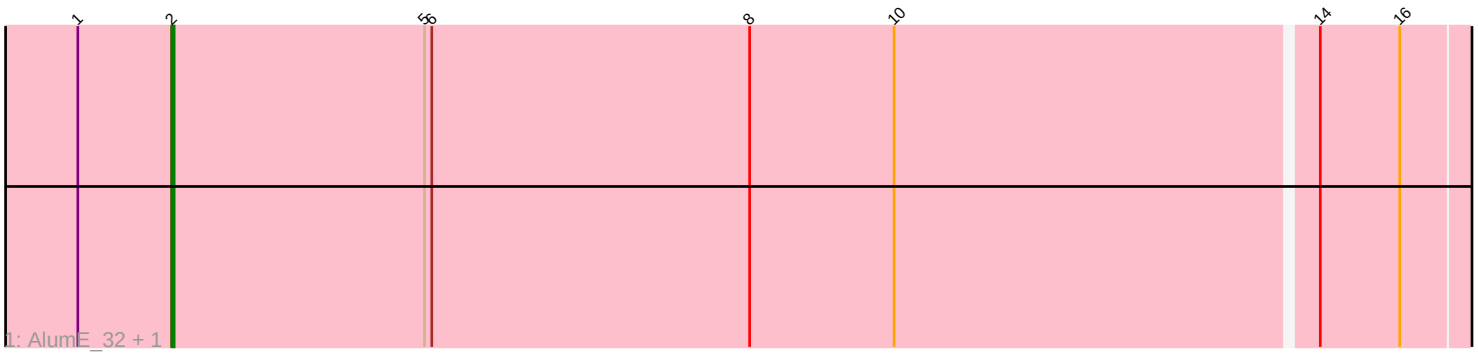
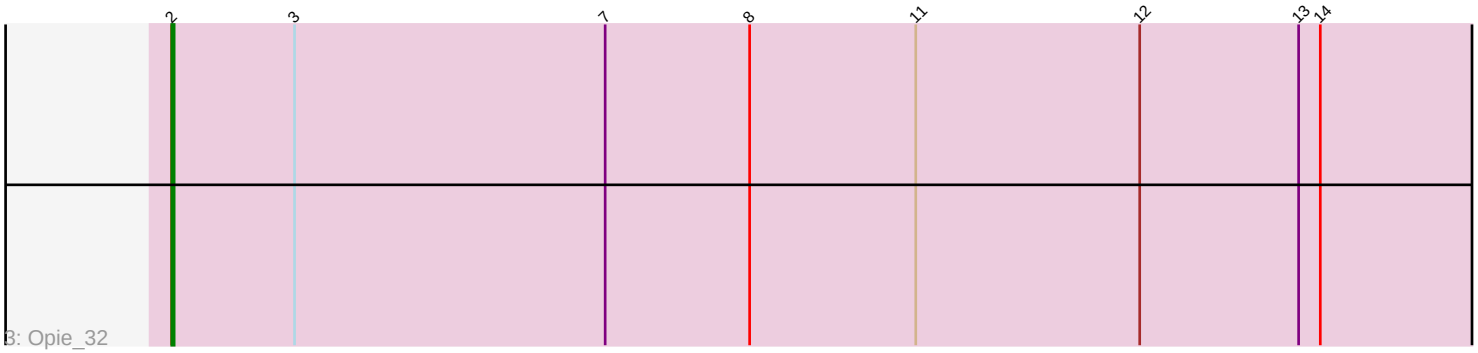
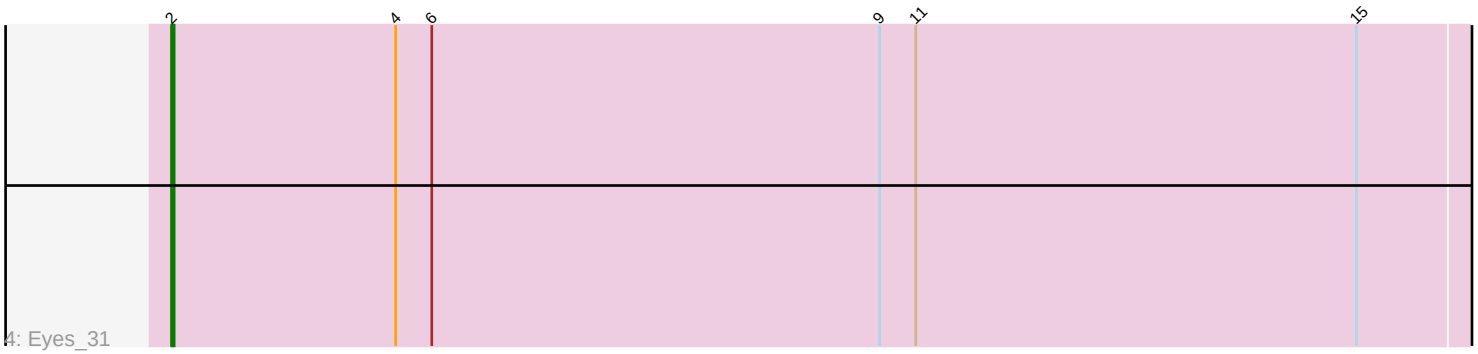
Pham 8544


1
2
5
6
8
10
14
16
1: AlumE_32 + 1


2
5
13
2: TaronosaurasRx_32


2
3
7
8
11
12
13
14
3: Opie_32


2
4
6
9
11
15
4: Eyes_31

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 8544 Report

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

Pham number 8544 has 5 members, 1 are drafts.

Phages represented in each track:
• Track 1 : AlumE_32, BoyNamedSue_32
• Track 2 : TaronosaurasRx_32
• Track 3 : Opie_32
• Track 4 : Eyes_31

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:
• AlumE_32, BoyNamedSue_32, Eyes_31, Opie_32, TaronosaurasRx_32,

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 2:
• Found in 5 of 5 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AlumE_32 (CZ1), BoyNamedSue_32 (CZ1), Eyes_31 (DB), Opie_32 (DB), TaronosaurasRx_32 (DB),

Summary by clusters:

There are 2 clusters represented in this pham: CZ1, DB,

Info for manual annotations of cluster CZ1:
•Start number 2 was manually annotated 2 times for cluster CZ1.

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

Gene Information:

Gene: AlumE_32 Start: 28253, Stop: 28783, Start Num: 2
Candidate Starts for AlumE_32:
(1, 28214), (Start: 2 @28253 has 4 MA's), (5, 28358), (6, 28361), (8, 28493), (10, 28553), (14, 28724), (16, 28757),

Gene: BoyNamedSue_32 Start: 28253, Stop: 28783, Start Num: 2
Candidate Starts for BoyNamedSue_32:
(1, 28214), (Start: 2 @28253 has 4 MA's), (5, 28358), (6, 28361), (8, 28493), (10, 28553), (14, 28724), (16, 28757),

Gene: Eyes_31 Start: 27132, Stop: 27668, Start Num: 2
Candidate Starts for Eyes_31:
(Start: 2 @27132 has 4 MA's), (4, 27225), (6, 27240), (9, 27426), (11, 27441), (15, 27624),

Gene: Opie_32 Start: 26871, Stop: 27422, Start Num: 2
Candidate Starts for Opie_32:
(Start: 2 @26871 has 4 MA's), (3, 26922), (7, 27051), (8, 27111), (11, 27180), (12, 27273), (13, 27339), (14, 27348),

Gene: TaronosaurasRx_32 Start: 27442, Stop: 27975, Start Num: 2
Candidate Starts for TaronosaurasRx_32:
(Start: 2 @27442 has 4 MA's), (5, 27547), (13, 27907),