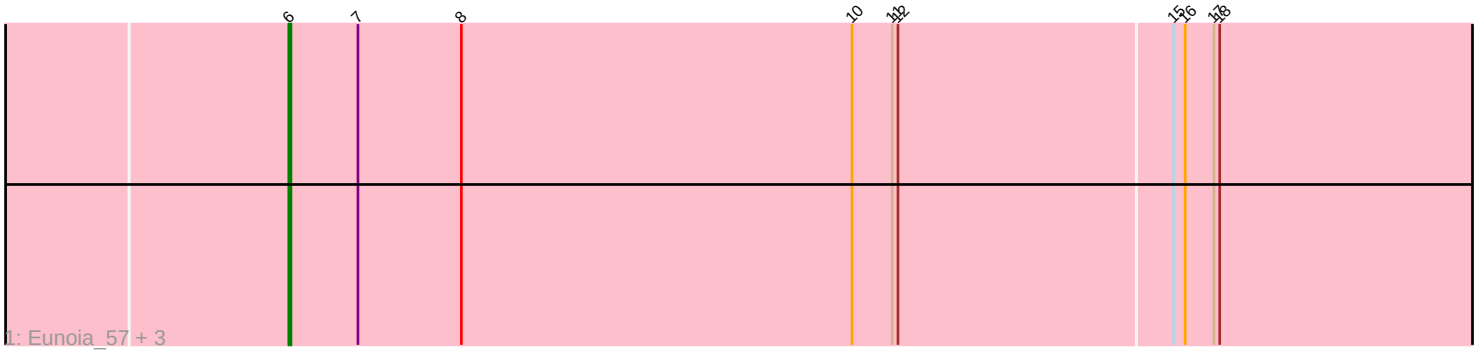
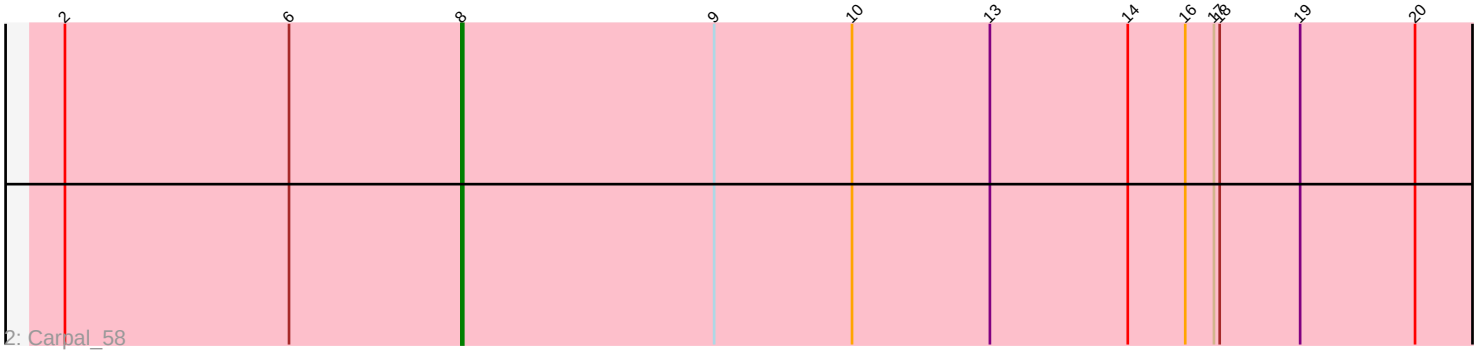
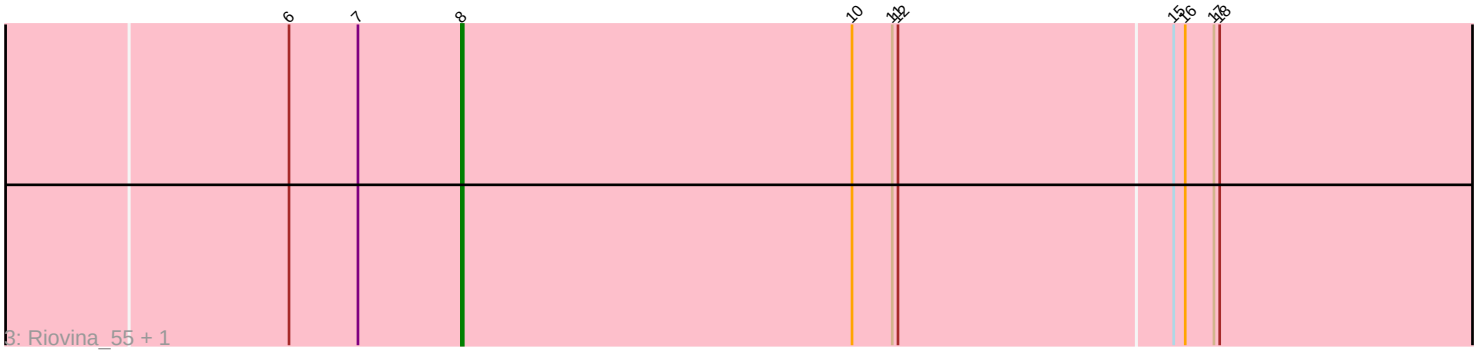
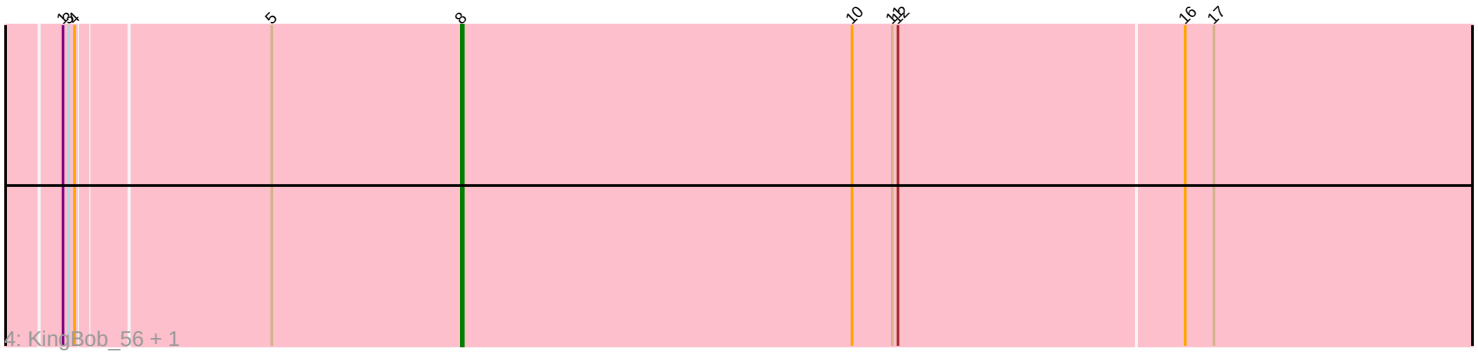
Pham 348286


6
7
8
10
12
15
16
17
18
1: Eunoia_57 + 3


2
6
8
9
10
13
14
16
17
18
19
20
2: Carpal_58


6
7
8
10
12
15
16
17
18
3: Riovina_55 + 1


5
8
10
12
16
17
4: KingBob_56 + 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 348286 Report

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

Pham number 348286 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Eunoia_57, Aledel_55, OMalley_55, AustinPowers_55
• Track 2 : Carpal_58
• Track 3 : Riovina_55, Supakev_55
• Track 4 : KingBob_56, Sergei_56

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

The start number called the most often in the published annotations is 8, it was called in 5 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Carpal_58, KingBob_56, Riovina_55, Sergei_56, Supakev_55,

Genes that have the "Most Annotated" start but do not call it:
• Aledel_55, AustinPowers_55, Eunoia_57, OMalley_55,

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

Summary by start number:

Start 6:
• Found in 7 of 9 (77.8%) of genes in pham
• Manual Annotations of this start: 4 of 9
• Called 57.1% of time when present
• Phage (with cluster) where this start called: Aledel_55 (AK), AustinPowers_55 (AK), Eunoia_57 (AK), OMalley_55 (AK),

Start 8:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 9
• Called 55.6% of time when present
• Phage (with cluster) where this start called: Carpal_58 (AK), KingBob_56 (AK), Riovina_55 (AK), Sergei_56 (AK), Supakev_55 (AK),

Summary by clusters:

There is one cluster represented in this pham: AK

Info for manual annotations of cluster AK:
•Start number 6 was manually annotated 4 times for cluster AK.
•Start number 8 was manually annotated 5 times for cluster AK.

Gene Information:

Gene: Aledel_55 Start: 41722, Stop: 42351, Start Num: 6
Candidate Starts for Aledel_55:
(Start: 6 @41722 has 4 MA's), (7, 41758), (Start: 8 @41812 has 5 MA's), (10, 42016), (11, 42037), (12, 42040), (15, 42181), (16, 42187), (17, 42202), (18, 42205),

Gene: AustinPowers_55 Start: 41744, Stop: 42373, Start Num: 6
Candidate Starts for AustinPowers_55:
(Start: 6 @41744 has 4 MA's), (7, 41780), (Start: 8 @41834 has 5 MA's), (10, 42038), (11, 42059), (12, 42062), (15, 42203), (16, 42209), (17, 42224), (18, 42227),

Gene: Carpal_58 Start: 42283, Stop: 42825, Start Num: 8
Candidate Starts for Carpal_58:
(2, 42076), (Start: 6 @42193 has 4 MA's), (Start: 8 @42283 has 5 MA's), (9, 42415), (10, 42487), (13, 42559), (14, 42631), (16, 42661), (17, 42676), (18, 42679), (19, 42721), (20, 42781),

Gene: Eunoia_57 Start: 42399, Stop: 43028, Start Num: 6
Candidate Starts for Eunoia_57:
(Start: 6 @42399 has 4 MA's), (7, 42435), (Start: 8 @42489 has 5 MA's), (10, 42693), (11, 42714), (12, 42717), (15, 42858), (16, 42864), (17, 42879), (18, 42882),

Gene: KingBob_56 Start: 42206, Stop: 42748, Start Num: 8
Candidate Starts for KingBob_56:
(1, 42005), (3, 42008), (4, 42011), (5, 42107), (Start: 8 @42206 has 5 MA's), (10, 42410), (11, 42431), (12, 42434), (16, 42581), (17, 42596),

Gene: OMalley_55 Start: 41722, Stop: 42351, Start Num: 6
Candidate Starts for OMalley_55:
(Start: 6 @41722 has 4 MA's), (7, 41758), (Start: 8 @41812 has 5 MA's), (10, 42016), (11, 42037), (12, 42040), (15, 42181), (16, 42187), (17, 42202), (18, 42205),

Gene: Riovina_55 Start: 41812, Stop: 42351, Start Num: 8
Candidate Starts for Riovina_55:
(Start: 6 @41722 has 4 MA's), (7, 41758), (Start: 8 @41812 has 5 MA's), (10, 42016), (11, 42037), (12, 42040), (15, 42181), (16, 42187), (17, 42202), (18, 42205),

Gene: Sergei_56 Start: 42206, Stop: 42748, Start Num: 8
Candidate Starts for Sergei_56:
(1, 42005), (3, 42008), (4, 42011), (5, 42107), (Start: 8 @42206 has 5 MA's), (10, 42410), (11, 42431), (12, 42434), (16, 42581), (17, 42596),

Gene: Supakev_55 Start: 41839, Stop: 42378, Start Num: 8
Candidate Starts for Supakev_55:
(Start: 6 @41749 has 4 MA's), (7, 41785), (Start: 8 @41839 has 5 MA's), (10, 42043), (11, 42064), (12, 42067), (15, 42208), (16, 42214), (17, 42229), (18, 42232),