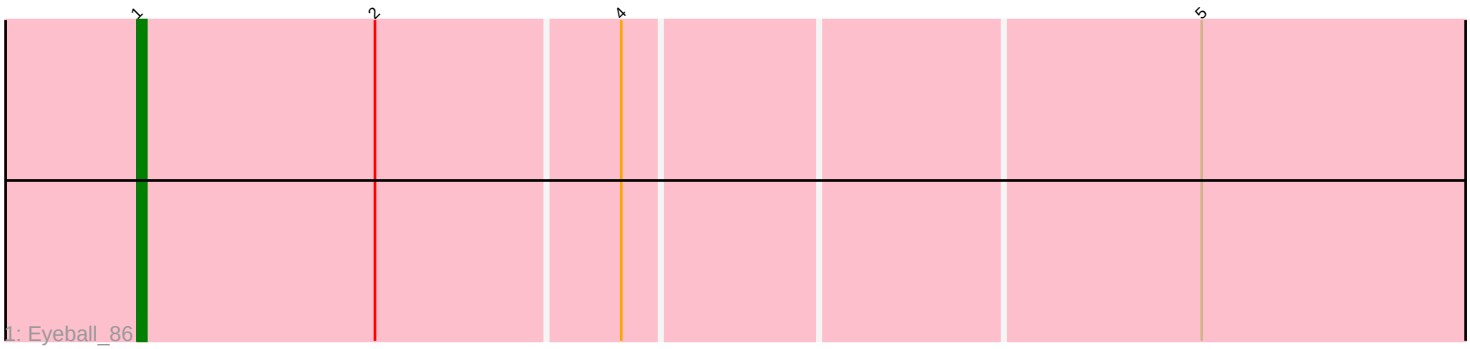
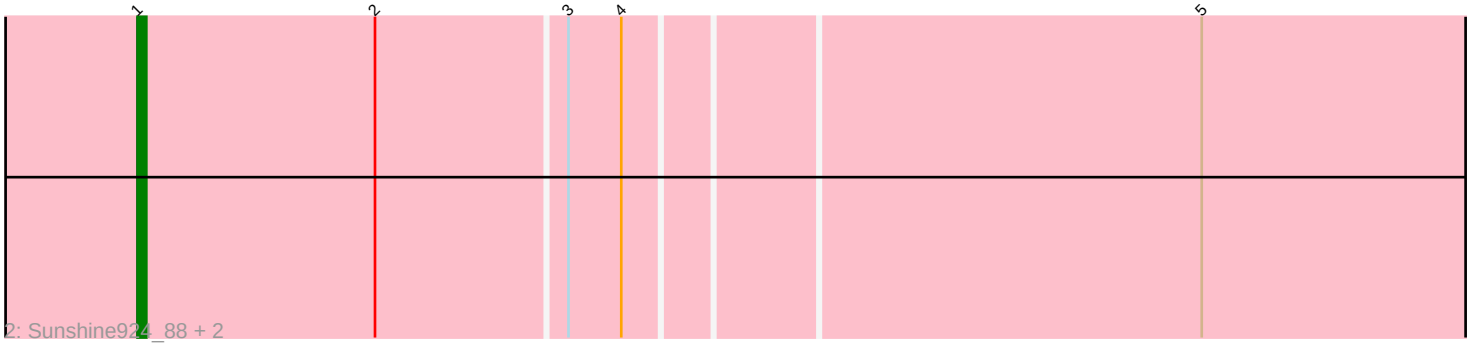
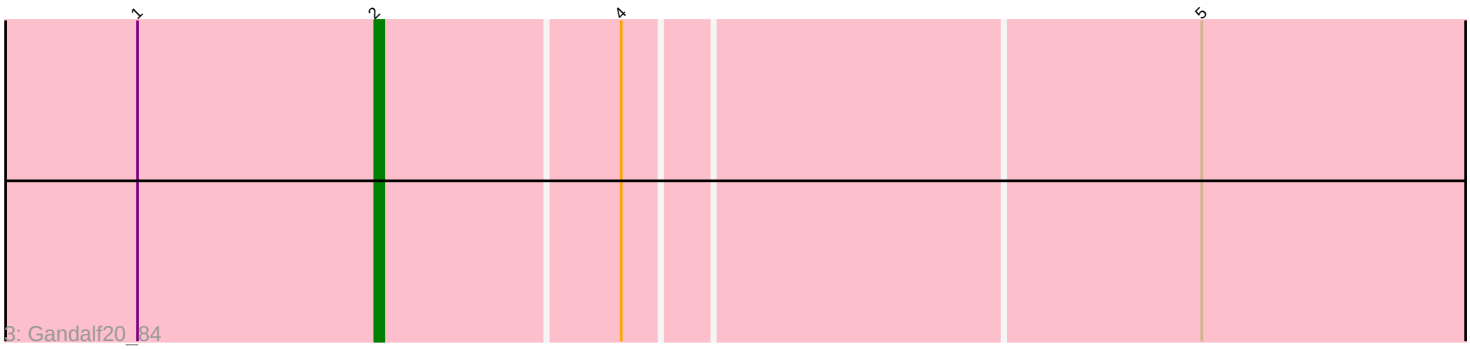
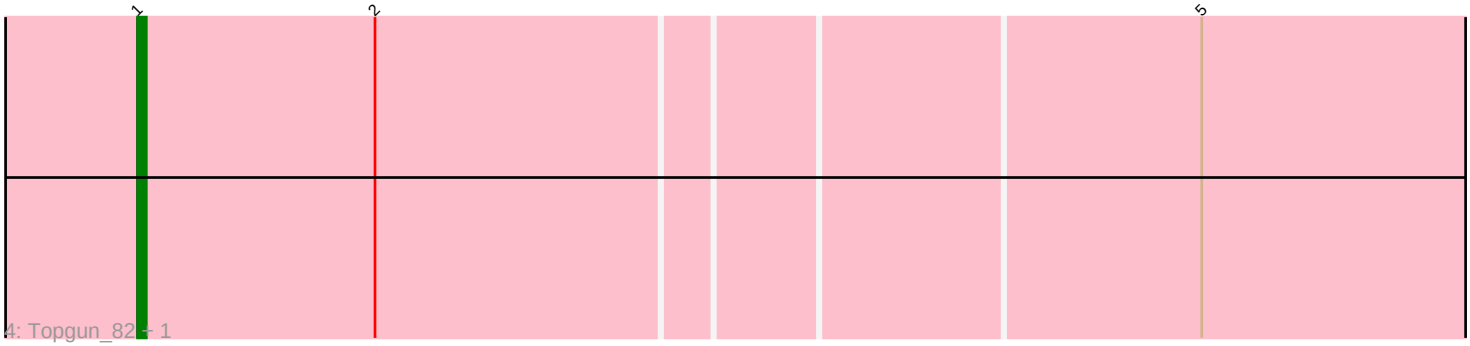
Pham 215009


1
2
4
5
1: Eyeball_86


1
2
3
4
5
2: Sunshine924_88 + 2


1
2
4
5
3: Gandalf20_84


1
2
5
4: Topgun_82 + 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 215009 Report

This analysis was run 02/22/25 on database version 588.

Pham number 215009 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Eyeball_86
• Track 2 : Sunshine924_88, ConceptII_93, Anglerfish_89
• Track 3 : Gandalf20_84
• Track 4 : Topgun_82, Wilkins_83

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

Genes that call this "Most Annotated" start:
• Anglerfish_89, ConceptII_93, Eyeball_86, Sunshine924_88, Topgun_82, Wilkins_83,

Genes that have the "Most Annotated" start but do not call it:
• Gandalf20_84,

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: 6 of 7
• Called 85.7% of time when present
• Phage (with cluster) where this start called: Anglerfish_89 (A1), ConceptII_93 (A1), Eyeball_86 (A1), Sunshine924_88 (A1), Topgun_82 (A1), Wilkins_83 (A1),

Start 2:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 14.3% of time when present
• Phage (with cluster) where this start called: Gandalf20_84 (A1),

Summary by clusters:

There is one cluster represented in this pham: A1

Info for manual annotations of cluster A1:
•Start number 1 was manually annotated 6 times for cluster A1.
•Start number 2 was manually annotated 1 time for cluster A1.

Gene Information:

Gene: Anglerfish_89 Start: 50429, Stop: 50283, Start Num: 1
Candidate Starts for Anglerfish_89:
(Start: 1 @50429 has 6 MA's), (Start: 2 @50402 has 1 MA's), (3, 50381), (4, 50375), (5, 50318),

Gene: ConceptII_93 Start: 51306, Stop: 51157, Start Num: 1
Candidate Starts for ConceptII_93:
(Start: 1 @51306 has 6 MA's), (Start: 2 @51279 has 1 MA's), (3, 51258), (4, 51252), (5, 51189),

Gene: Eyeball_86 Start: 49179, Stop: 49030, Start Num: 1
Candidate Starts for Eyeball_86:
(Start: 1 @49179 has 6 MA's), (Start: 2 @49152 has 1 MA's), (4, 49125), (5, 49062),

Gene: Gandalf20_84 Start: 48924, Stop: 48802, Start Num: 2
Candidate Starts for Gandalf20_84:
(Start: 1 @48951 has 6 MA's), (Start: 2 @48924 has 1 MA's), (4, 48897), (5, 48834),

Gene: Sunshine924_88 Start: 48484, Stop: 48335, Start Num: 1
Candidate Starts for Sunshine924_88:
(Start: 1 @48484 has 6 MA's), (Start: 2 @48457 has 1 MA's), (3, 48436), (4, 48430), (5, 48367),

Gene: Topgun_82 Start: 47338, Stop: 47189, Start Num: 1
Candidate Starts for Topgun_82:
(Start: 1 @47338 has 6 MA's), (Start: 2 @47311 has 1 MA's), (5, 47221),

Gene: Wilkins_83 Start: 47268, Stop: 47119, Start Num: 1
Candidate Starts for Wilkins_83:
(Start: 1 @47268 has 6 MA's), (Start: 2 @47241 has 1 MA's), (5, 47151),