Pham 207388

1: Kikiko_9

2: MissAmericana_9

3: KSunshine22_37 + 7

4: Ellewin_334 + 1
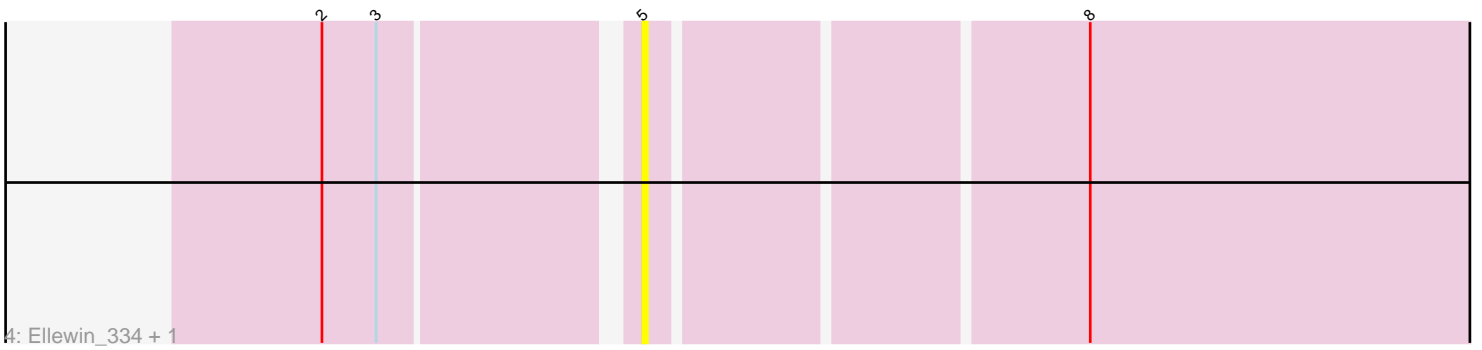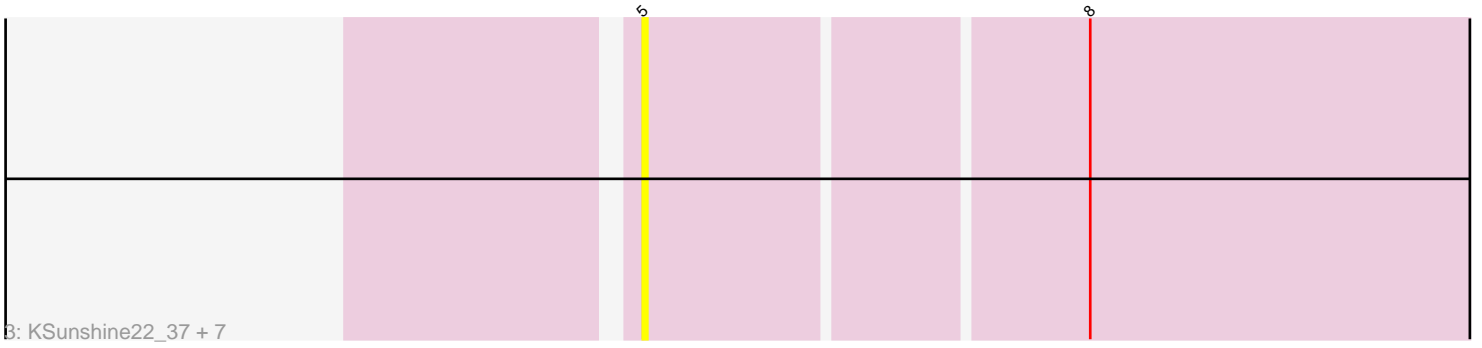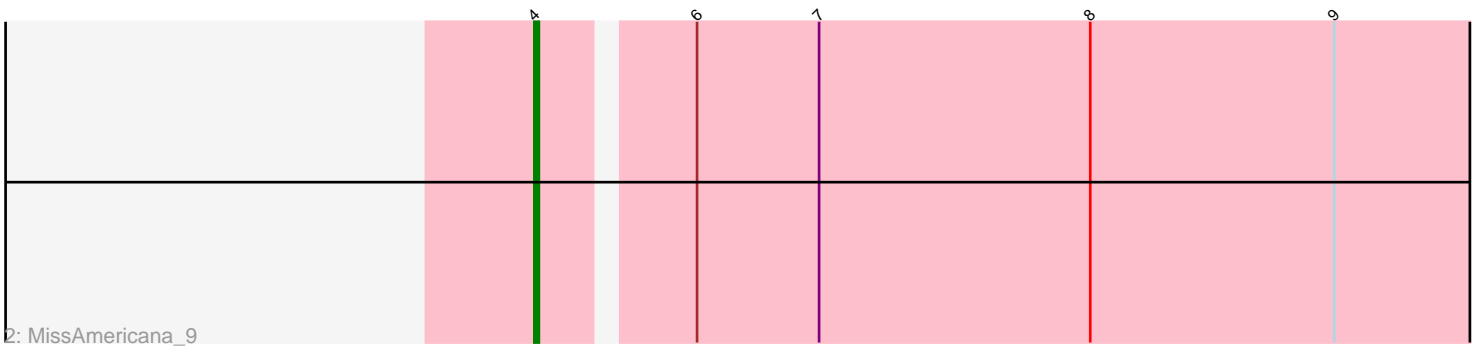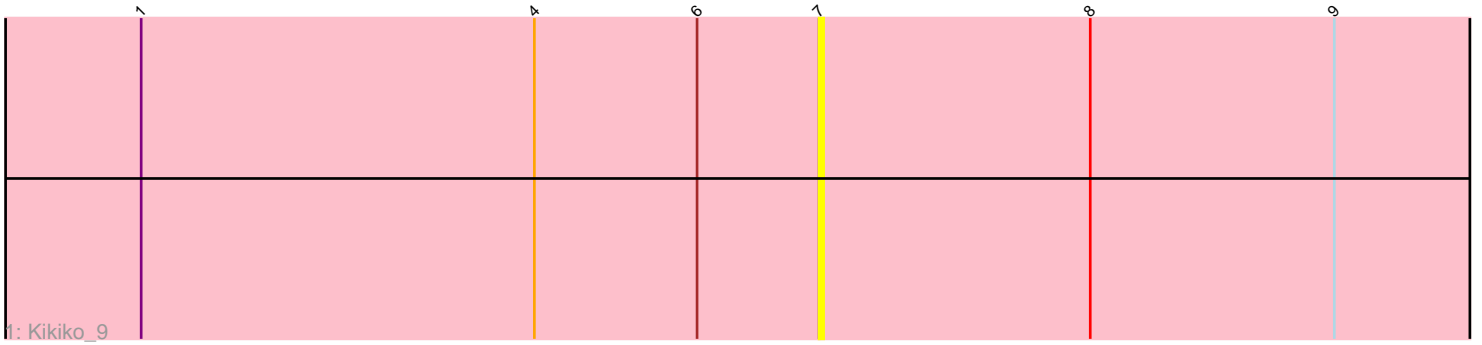
Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 207388 Report

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

Pham number 207388 has 12 members, 11 are drafts.

Phages represented in each track:
• Track 1 : Kikiko_9
• Track 2 : MissAmericana_9
• Track 3 : KSunshine22_37, WaddleDee_340, DunneganBoMo_38, Panchaali_337, WaddleDee_38, Panchaali_38, KSunshine22_329, DunneganBoMo_341
• Track 4 : Ellewin_334, Ellewin_35

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 1 of the 1 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• MissAmericana_9,

Genes that have the "Most Annotated" start but do not call it:
• Kikiko_9,

Genes that do not have the "Most Annotated" start:
• DunneganBoMo_341, DunneganBoMo_38, Ellewin_334, Ellewin_35, KSunshine22_329, KSunshine22_37, Panchaali_337, Panchaali_38, WaddleDee_340, WaddleDee_38,

Summary by start number:

Start 4:
• Found in 2 of 12 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 1
• Called 50.0% of time when present
• Phage (with cluster) where this start called: MissAmericana_9 (EM2),

Start 5:
• Found in 10 of 12 (83.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present

• Phage (with cluster) where this start called: DunneganBoMo_341 (FC), DunneganBoMo_38 (FC), Ellewin_334 (FC), Ellewin_35 (FC), KSunshine22_329 (FC), KSunshine22_37 (FC), Panchaali_337 (FC), Panchaali_38 (FC), WaddleDee_340 (FC), WaddleDee_38 (FC),

Start 7:
• Found in 2 of 12 (16.7%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Kikiko_9 (EM2),

Summary by clusters:

There are 2 clusters represented in this pham: FC, EM2,

Info for manual annotations of cluster EM2:
•Start number 4 was manually annotated 1 time for cluster EM2.

Gene Information:
Gene: DunneganBoMo_38 Start: 14890, Stop: 14708, Start Num: 5
Candidate Starts for DunneganBoMo_38:
(5, 14890), (8, 14797),

Gene: DunneganBoMo_341 Start: 194302, Stop: 194120, Start Num: 5
Candidate Starts for DunneganBoMo_341:
(5, 194302), (8, 194209),

Gene: Ellewin_334 Start: 193667, Stop: 193482, Start Num: 5
Candidate Starts for Ellewin_334:
(2, 193730), (3, 193718), (5, 193667), (8, 193577),

Gene: Ellewin_35 Start: 14553, Stop: 14368, Start Num: 5
Candidate Starts for Ellewin_35:
(2, 14616), (3, 14604), (5, 14553), (8, 14463),

Gene: KSunshine22_37 Start: 15450, Stop: 15268, Start Num: 5
Candidate Starts for KSunshine22_37:
(5, 15450), (8, 15357),

Gene: KSunshine22_329 Start: 192351, Stop: 192169, Start Num: 5
Candidate Starts for KSunshine22_329:
(5, 192351), (8, 192258),

Gene: Kikiko_9 Start: 5996, Stop: 5829, Start Num: 7
Candidate Starts for Kikiko_9:
(1, 6146), (Start: 4 @6059 has 1 MA's), (6, 6023), (7, 5996), (8, 5936), (9, 5882),

Gene: MissAmericana_9 Start: 6096, Stop: 5872, Start Num: 4
Candidate Starts for MissAmericana_9:

(Start: 4 @6096 has 1 MA's), (6, 6066), (7, 6039), (8, 5979), (9, 5925),

Gene: Panchaali_337 Start: 193105, Stop: 192923, Start Num: 5
Candidate Starts for Panchaali_337:
(5, 193105), (8, 193012),

Gene: Panchaali_38 Start: 14047, Stop: 13865, Start Num: 5
Candidate Starts for Panchaali_38:
(5, 14047), (8, 13954),

Gene: WaddleDee_340 Start: 192826, Stop: 192644, Start Num: 5
Candidate Starts for WaddleDee_340:
(5, 192826), (8, 192733),

Gene: WaddleDee_38 Start: 14631, Stop: 14449, Start Num: 5
Candidate Starts for WaddleDee_38:
(5, 14631), (8, 14538),