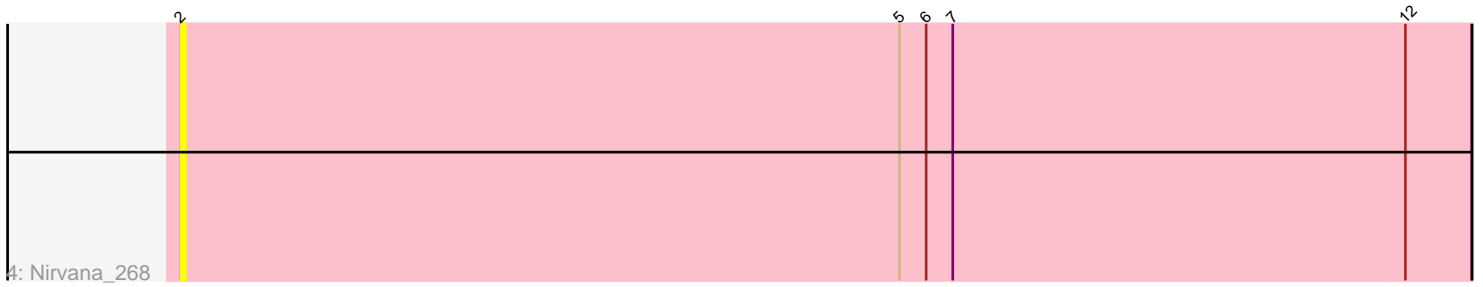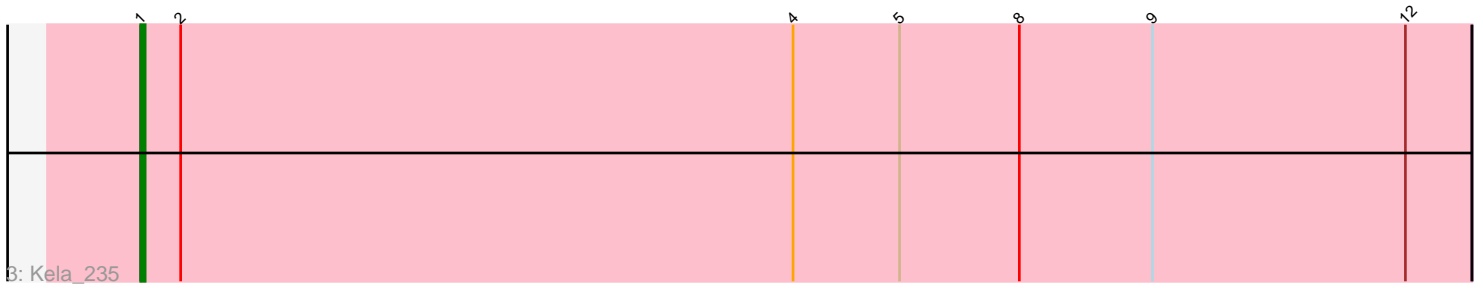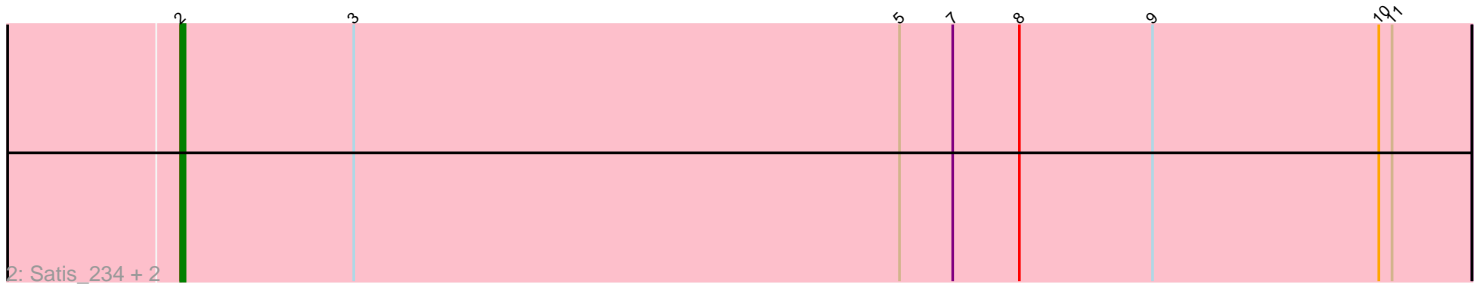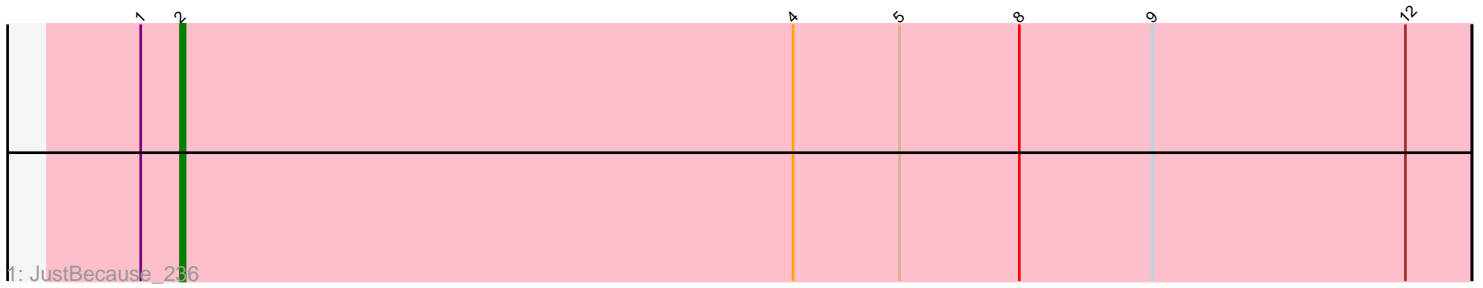# Pham 7911

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 7911 Report

This analysis was run 07/09/24 on database version 566.

Pham number 7911 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : JustBecause_236
• Track 2 : Satis_234, EhyElimayoE_237, Kradal_235
• Track 3 : Kela_235
• Track 4 : Nirvana_268
• Track 5 : Frankenweenie_254

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

Genes that call this "Most Annotated" start:
• EhyElimayoE_237, Frankenweenie_254, JustBecause_236, Kradal_235, Nirvana_268, Satis_234,

Genes that have the "Most Annotated" start but do not call it:
• Kela_235,

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

Summary by start number:

Start 1:
• Found in 2 of 7 (28.6%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Kela_235 (BM),

Start 2:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 6
• Called 85.7% of time when present

• Phage (with cluster) where this start called: EhyElimayoE_237 (BM), Frankenweenie_254 (BM), JustBecause_236 (BM), Kradal_235 (BM), Nirvana_268 (BM), Satis_234 (BM),

Summary by clusters:

There is one cluster represented in this pham: BM

Info for manual annotations of cluster BM:
•Start number 1 was manually annotated 1 time for cluster BM.
•Start number 2 was manually annotated 5 times for cluster BM.

Gene Information:

Gene: EhyElimayoE_237 Start: 139418, Stop: 139708, Start Num: 2
Candidate Starts for EhyElimayoE_237:
(Start: 2 @139418 has 5 MA's), (3, 139457), (5, 139580), (7, 139592), (8, 139607), (9, 139637), (10, 139688), (11, 139691),

Gene: Frankenweenie_254 Start: 150412, Stop: 150702, Start Num: 2
Candidate Starts for Frankenweenie_254:
(Start: 2 @150412 has 5 MA's), (5, 150574), (7, 150586), (9, 150631), (12, 150688),

Gene: JustBecause_236 Start: 137284, Stop: 137574, Start Num: 2
Candidate Starts for JustBecause_236:
(Start: 1 @137275 has 1 MA's), (Start: 2 @137284 has 5 MA's), (4, 137422), (5, 137446), (8, 137473), (9, 137503), (12, 137560),

Gene: Kela_235 Start: 137858, Stop: 138157, Start Num: 1
Candidate Starts for Kela_235:
(Start: 1 @137858 has 1 MA's), (Start: 2 @137867 has 5 MA's), (4, 138005), (5, 138029), (8, 138056), (9, 138086), (12, 138143),

Gene: Kradal_235 Start: 139415, Stop: 139705, Start Num: 2
Candidate Starts for Kradal_235:
(Start: 2 @139415 has 5 MA's), (3, 139454), (5, 139577), (7, 139589), (8, 139604), (9, 139634), (10, 139685), (11, 139688),

Gene: Nirvana_268 Start: 150213, Stop: 150503, Start Num: 2
Candidate Starts for Nirvana_268:
(Start: 2 @150213 has 5 MA's), (5, 150375), (6, 150381), (7, 150387), (12, 150489),

Gene: Satis_234 Start: 139752, Stop: 140042, Start Num: 2
Candidate Starts for Satis_234:
(Start: 2 @139752 has 5 MA's), (3, 139791), (5, 139914), (7, 139926), (8, 139941), (9, 139971), (10, 140022), (11, 140025),