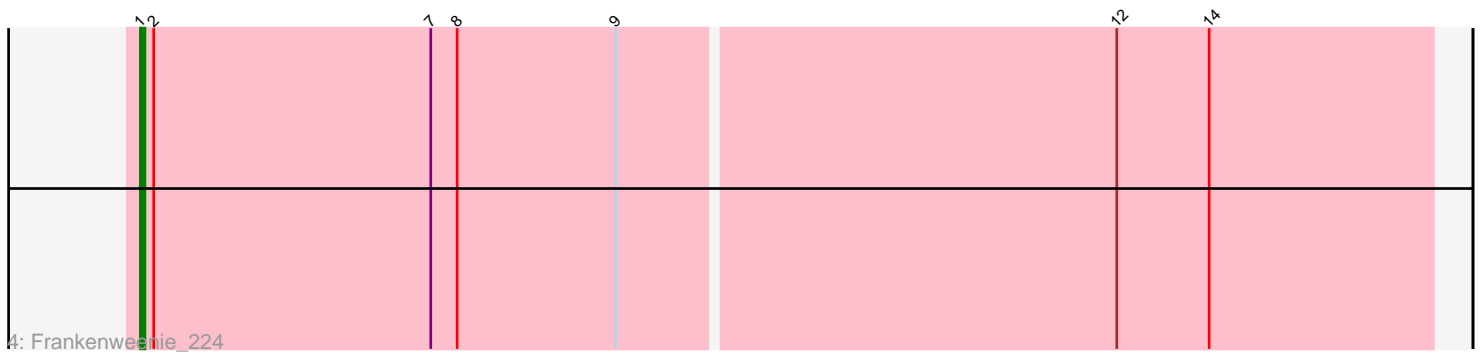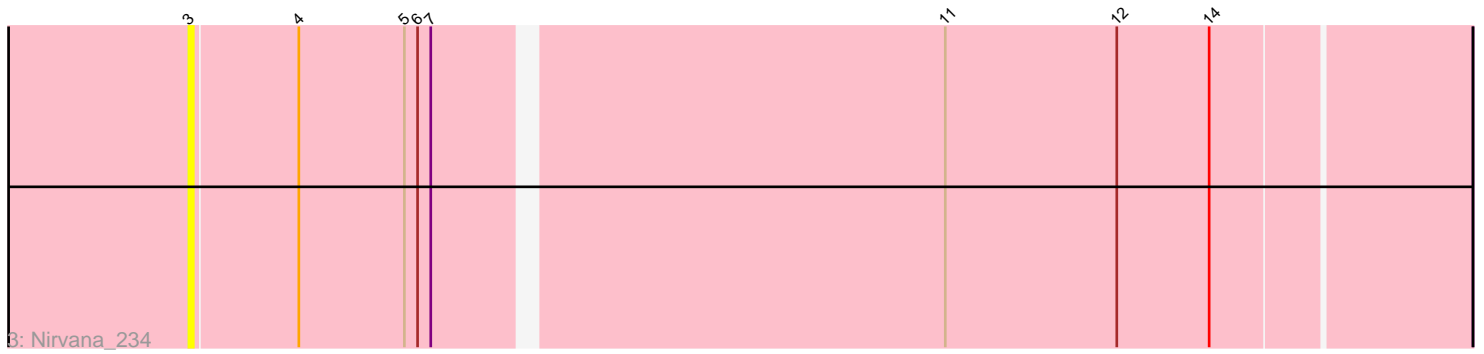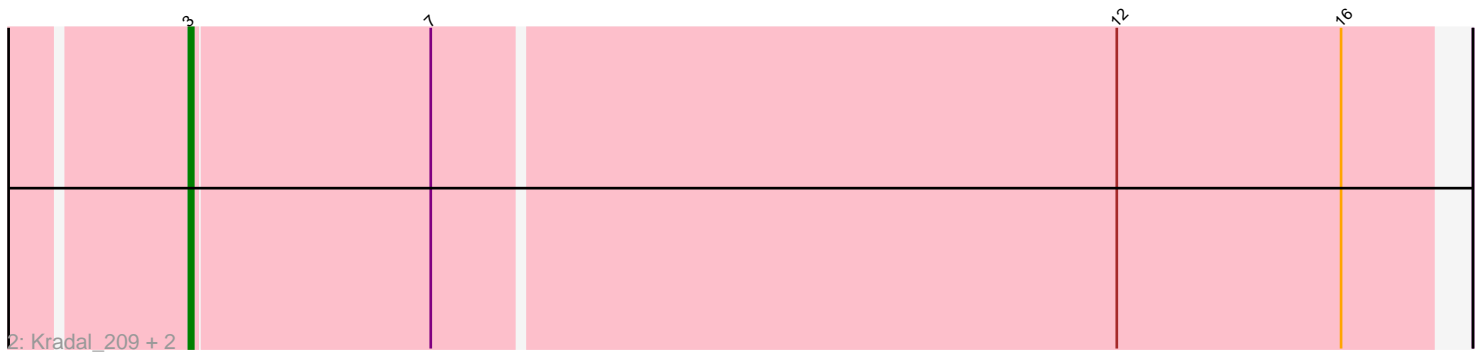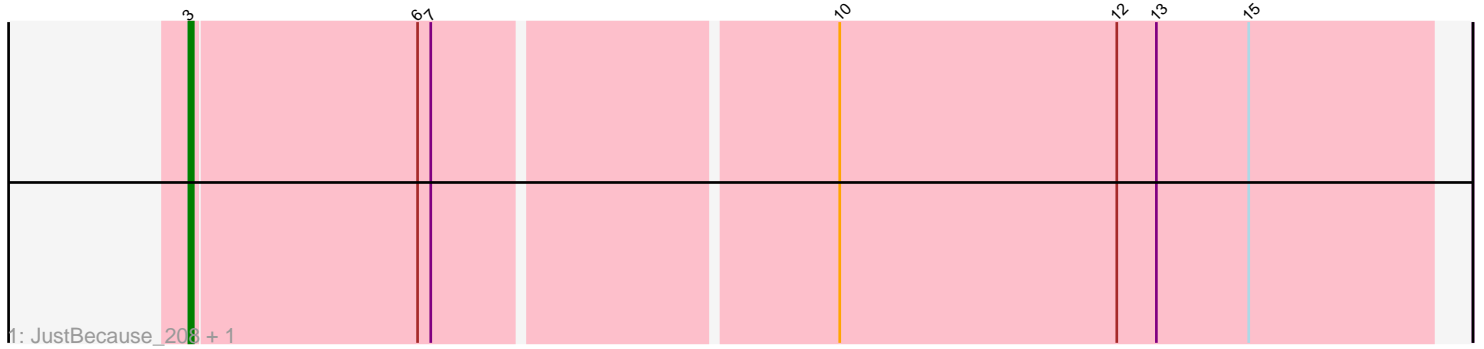# Pham 7997

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 7997 Report

This analysis was run 04/05/24 on database version 557.

Pham number 7997 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : JustBecause_208, Kela_206
• Track 2 : Kradal_209, EhyElimayoE_210, Satis_207
• Track 3 : Nirvana_234
• Track 4 : Frankenweenie_224

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

The start number called the most often in the published annotations is 3, it was called in 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• EhyElimayoE_210, JustBecause_208, Kela_206, Kradal_209, Nirvana_234, Satis_207,

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

Genes that do not have the "Most Annotated" start:
• Frankenweenie_224,

Summary by start number:

Start 1:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Frankenweenie_224 (BM),

Start 3:
• Found in 6 of 7 (85.7%) of genes in pham
• Manual Annotations of this start: 5 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: EhyElimayoE_210 (BM), JustBecause_208 (BM), Kela_206 (BM), Kradal_209 (BM), Nirvana_234 (BM),

Satis_207 (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 3 was manually annotated 5 times for cluster BM.

Gene Information:
Gene: EhyElimayoE_210 Start: 127832, Stop: 128110, Start Num: 3
Candidate Starts for EhyElimayoE_210:
(Start: 3 @127832 has 5 MA's), (7, 127886), (12, 128039), (16, 128090),

Gene: Frankenweenie_224 Start: 137190, Stop: 137480, Start Num: 1
Candidate Starts for Frankenweenie_224:
(Start: 1 @137190 has 1 MA's), (2, 137193), (7, 137256), (8, 137262), (9, 137298), (12, 137409), (14, 137430),

Gene: JustBecause_208 Start: 124946, Stop: 125221, Start Num: 3
Candidate Starts for JustBecause_208:
(Start: 3 @124946 has 5 MA's), (6, 124997), (7, 125000), (10, 125087), (12, 125150), (13, 125159), (15, 125180),

Gene: Kela_206 Start: 124791, Stop: 125066, Start Num: 3
Candidate Starts for Kela_206:
(Start: 3 @124791 has 5 MA's), (6, 124842), (7, 124845), (10, 124932), (12, 124995), (13, 125004), (15, 125025),

Gene: Kradal_209 Start: 127829, Stop: 128107, Start Num: 3
Candidate Starts for Kradal_209:
(Start: 3 @127829 has 5 MA's), (7, 127883), (12, 128036), (16, 128087),

Gene: Nirvana_234 Start: 135465, Stop: 135746, Start Num: 3
Candidate Starts for Nirvana_234:
(Start: 3 @135465 has 5 MA's), (4, 135489), (5, 135513), (6, 135516), (7, 135519), (11, 135630), (12, 135669), (14, 135690),

Gene: Satis_207 Start: 128166, Stop: 128444, Start Num: 3
Candidate Starts for Satis_207:
(Start: 3 @128166 has 5 MA's), (7, 128220), (12, 128373), (16, 128424),