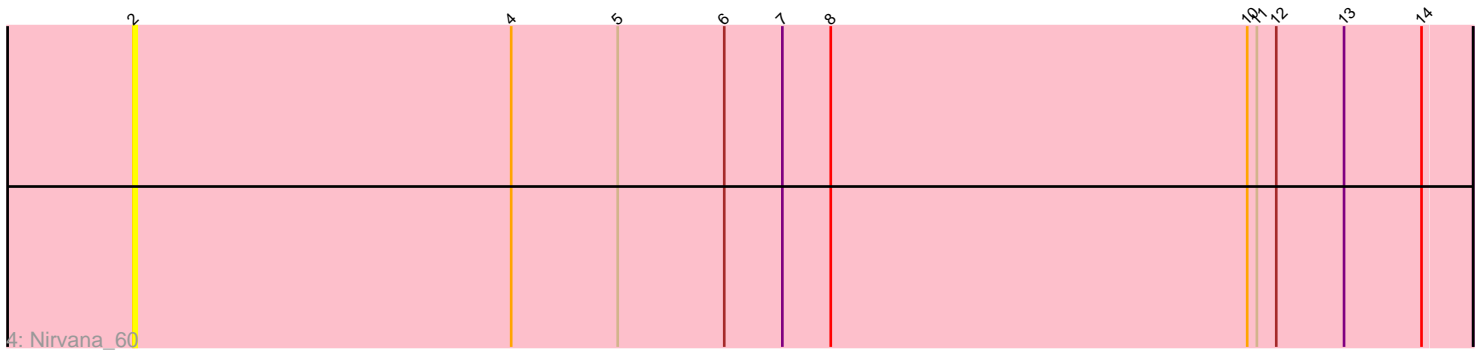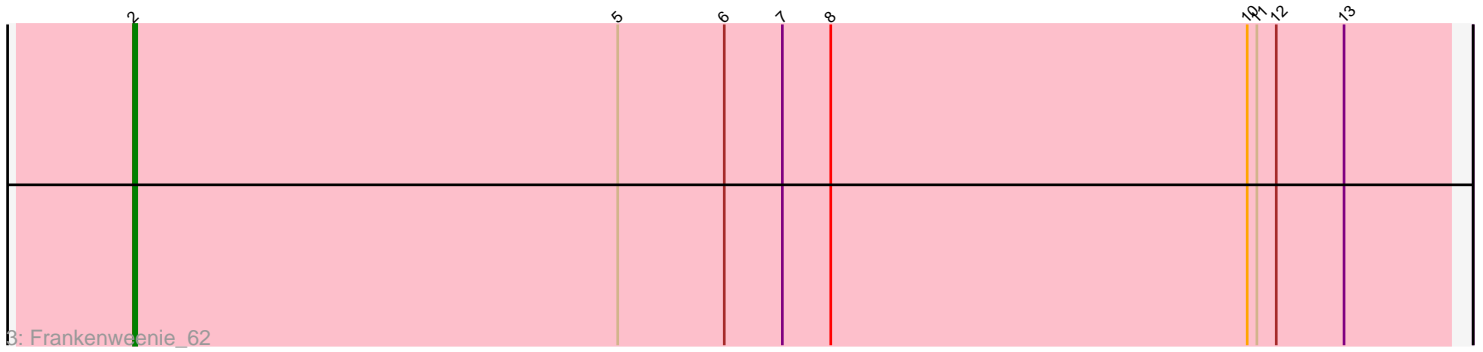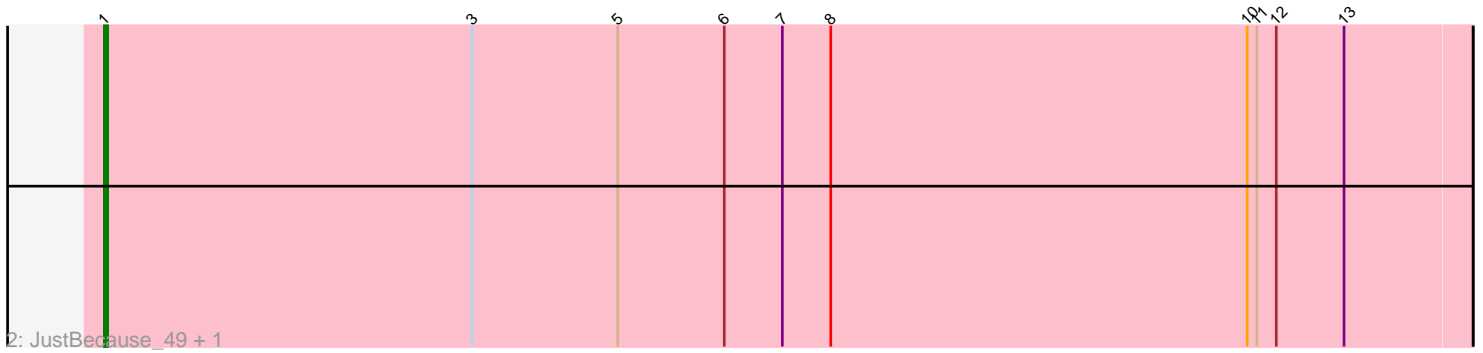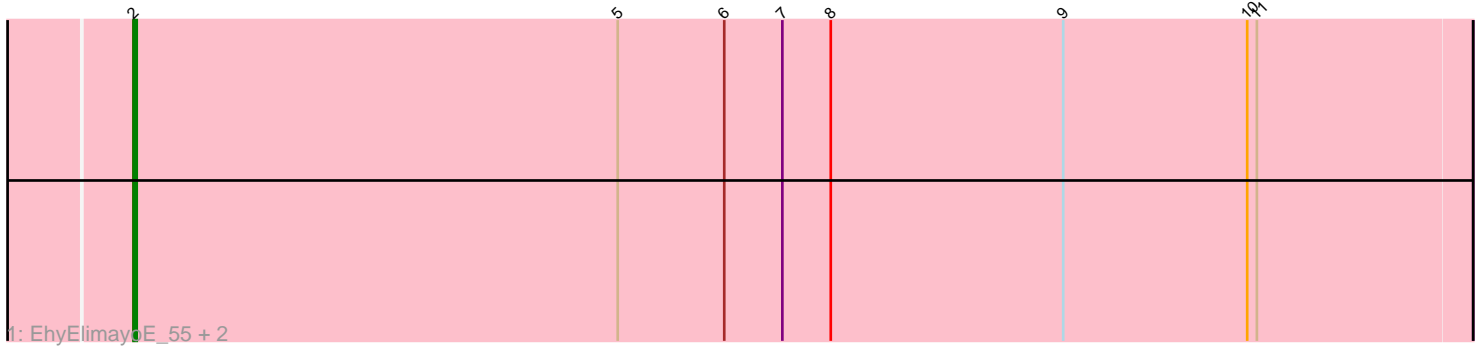# Pham 7908

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 7908 Report

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

Pham number 7908 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : EhyElimayoE_55, Kradal_55, Satis_55
• Track 2 : JustBecause_49, Kela_50
• Track 3 : Frankenweenie_62
• Track 4 : Nirvana_60

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

Genes that call this "Most Annotated" start:
• EhyElimayoE_55, Frankenweenie_62, Kradal_55, Nirvana_60, Satis_55,

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

Genes that do not have the "Most Annotated" start:
• JustBecause_49, Kela_50,

Summary by start number:

Start 1:
• Found in 2 of 7 (28.6%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: JustBecause_49 (BM), Kela_50 (BM),

Start 2:
• Found in 5 of 7 (71.4%) of genes in pham
• Manual Annotations of this start: 4 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: EhyElimayoE_55 (BM), Frankenweenie_62 (BM), Kradal_55 (BM), Nirvana_60 (BM), Satis_55 (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 2 times for cluster BM.
•Start number 2 was manually annotated 4 times for cluster BM.

Gene Information:
Gene: EhyElimayoE_55 Start: 30712, Stop: 31125, Start Num: 2
Candidate Starts for EhyElimayoE_55:
(Start: 2 @30712 has 4 MA's), (5, 30862), (6, 30895), (7, 30913), (8, 30928), (9, 31000), (10, 31057), (11, 31060),

Gene: Frankenweenie_62 Start: 33279, Stop: 33686, Start Num: 2
Candidate Starts for Frankenweenie_62:
(Start: 2 @33279 has 4 MA's), (5, 33429), (6, 33462), (7, 33480), (8, 33495), (10, 33624), (11, 33627), (12, 33633), (13, 33654),

Gene: JustBecause_49 Start: 27926, Stop: 28348, Start Num: 1
Candidate Starts for JustBecause_49:
(Start: 1 @27926 has 2 MA's), (3, 28040), (5, 28085), (6, 28118), (7, 28136), (8, 28151), (10, 28280), (11, 28283), (12, 28289), (13, 28310),

Gene: Kela_50 Start: 27791, Stop: 28213, Start Num: 1
Candidate Starts for Kela_50:
(Start: 1 @27791 has 2 MA's), (3, 27905), (5, 27950), (6, 27983), (7, 28001), (8, 28016), (10, 28145), (11, 28148), (12, 28154), (13, 28175),

Gene: Kradal_55 Start: 30712, Stop: 31125, Start Num: 2
Candidate Starts for Kradal_55:
(Start: 2 @30712 has 4 MA's), (5, 30862), (6, 30895), (7, 30913), (8, 30928), (9, 31000), (10, 31057), (11, 31060),

Gene: Nirvana_60 Start: 32678, Stop: 33091, Start Num: 2
Candidate Starts for Nirvana_60:
(Start: 2 @32678 has 4 MA's), (4, 32795), (5, 32828), (6, 32861), (7, 32879), (8, 32894), (10, 33023), (11, 33026), (12, 33032), (13, 33053), (14, 33077),

Gene: Satis_55 Start: 30708, Stop: 31121, Start Num: 2
Candidate Starts for Satis_55:
(Start: 2 @30708 has 4 MA's), (5, 30858), (6, 30891), (7, 30909), (8, 30924), (9, 30996), (10, 31053), (11, 31056),