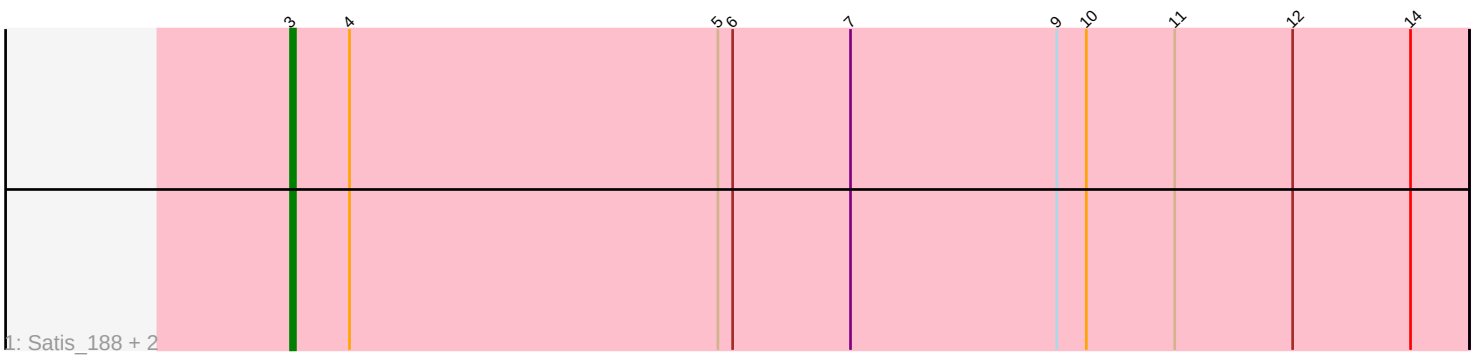
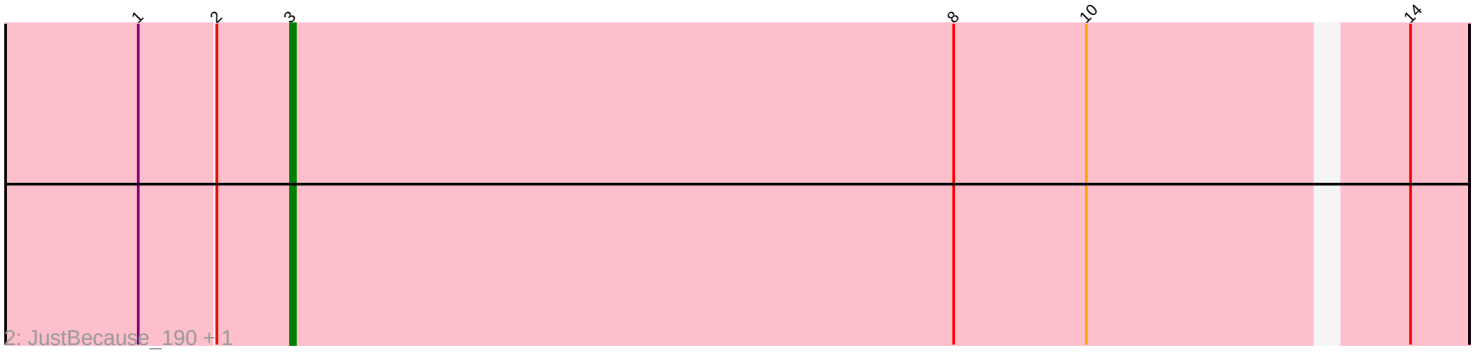
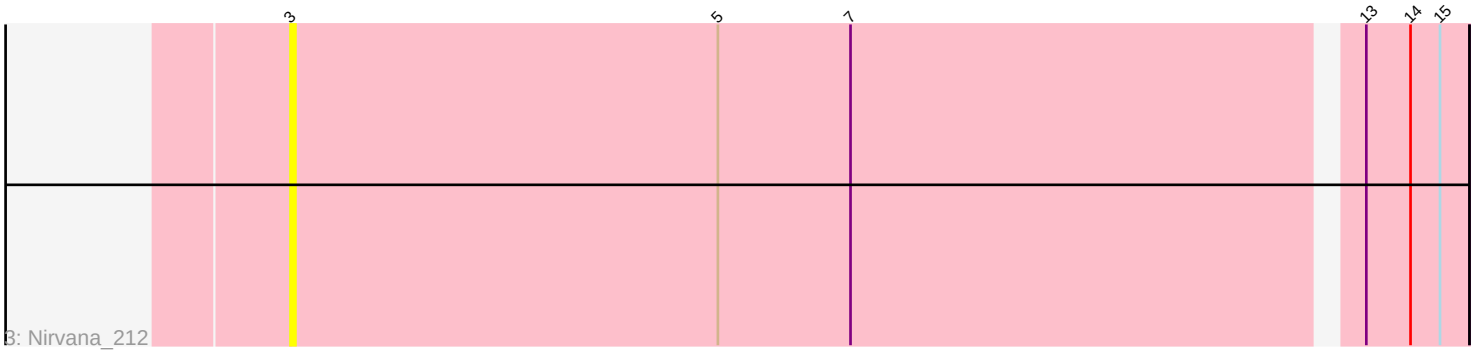
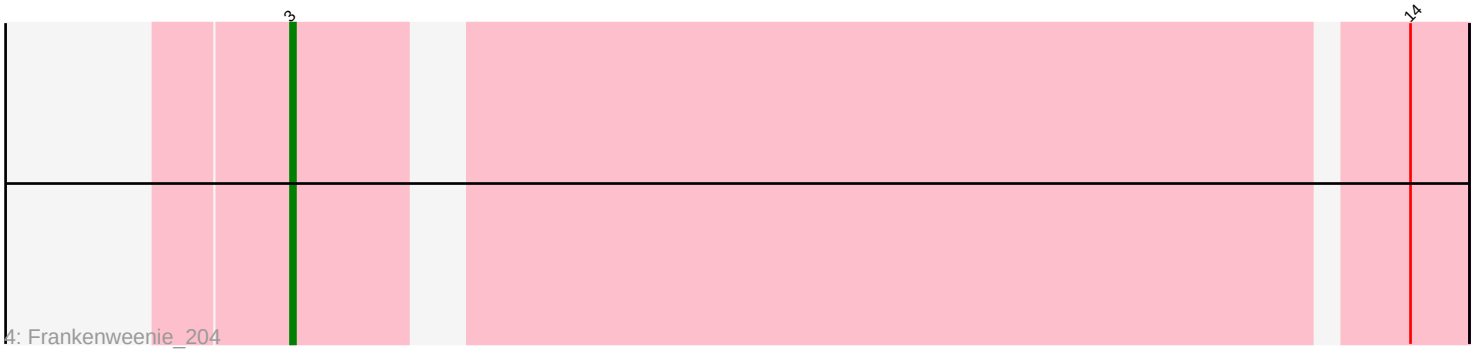
Pham 7649


3
4
5
6
7
9
10
11
12
14
1: Satis_188 + 2


1
2
3
8
10
14
2: JustBecause_190 +1


3
5
7
13
14
15
3: Nirvana_212


3
14
4: Frankenweenie_204

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 7649 Report

This analysis was run 04/12/24 on database version 558.

Pham number 7649 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Satis_188, EhyElimayoE_190, Kradal_189
• Track 2 : JustBecause_190, Kela_188
• Track 3 : Nirvana_212
• Track 4 : Frankenweenie_204

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

Genes that call this "Most Annotated" start:
• EhyElimayoE_190, Frankenweenie_204, JustBecause_190, Kela_188, Kradal_189, Nirvana_212, Satis_188,

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

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

Summary by start number:

Start 3:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: EhyElimayoE_190 (BM), Frankenweenie_204 (BM), JustBecause_190 (BM), Kela_188 (BM), Kradal_189 (BM), Nirvana_212 (BM), Satis_188 (BM),

Summary by clusters:

There is one cluster represented in this pham: BM

Info for manual annotations of cluster BM:
•Start number 3 was manually annotated 6 times for cluster BM.

Gene Information:

Gene: EhyElimayoE_190 Start: 122001, Stop: 122240, Start Num: 3
Candidate Starts for EhyElimayoE_190:
(Start: 3 @122001 has 6 MA's), (4, 122013), (5, 122088), (6, 122091), (7, 122115), (9, 122157), (10, 122163), (11, 122181), (12, 122205), (14, 122229),

Gene: Frankenweenie_204 Start: 131283, Stop: 131504, Start Num: 3
Candidate Starts for Frankenweenie_204:
(Start: 3 @131283 has 6 MA's), (14, 131493),

Gene: JustBecause_190 Start: 119454, Stop: 119687, Start Num: 3
Candidate Starts for JustBecause_190:
(1, 119424), (2, 119439), (Start: 3 @119454 has 6 MA's), (8, 119589), (10, 119616), (14, 119676),

Gene: Kela_188 Start: 119299, Stop: 119532, Start Num: 3
Candidate Starts for Kela_188:
(1, 119269), (2, 119284), (Start: 3 @119299 has 6 MA's), (8, 119434), (10, 119461), (14, 119521),

Gene: Kradal_189 Start: 121998, Stop: 122237, Start Num: 3
Candidate Starts for Kradal_189:
(Start: 3 @121998 has 6 MA's), (4, 122010), (5, 122085), (6, 122088), (7, 122112), (9, 122154), (10, 122160), (11, 122178), (12, 122202), (14, 122226),

Gene: Nirvana_212 Start: 129445, Stop: 129678, Start Num: 3
Candidate Starts for Nirvana_212:
(Start: 3 @129445 has 6 MA's), (5, 129532), (7, 129559), (13, 129658), (14, 129667), (15, 129673),

Gene: Satis_188 Start: 122334, Stop: 122573, Start Num: 3
Candidate Starts for Satis_188:
(Start: 3 @122334 has 6 MA's), (4, 122346), (5, 122421), (6, 122424), (7, 122448), (9, 122490), (10, 122496), (11, 122514), (12, 122538), (14, 122562),