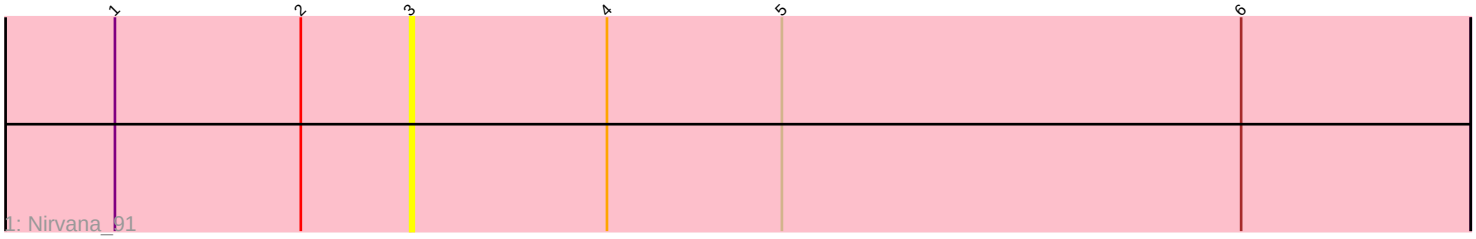
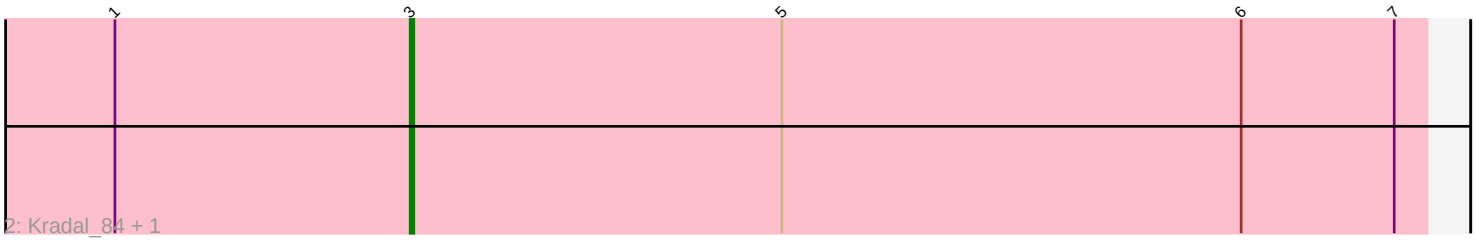
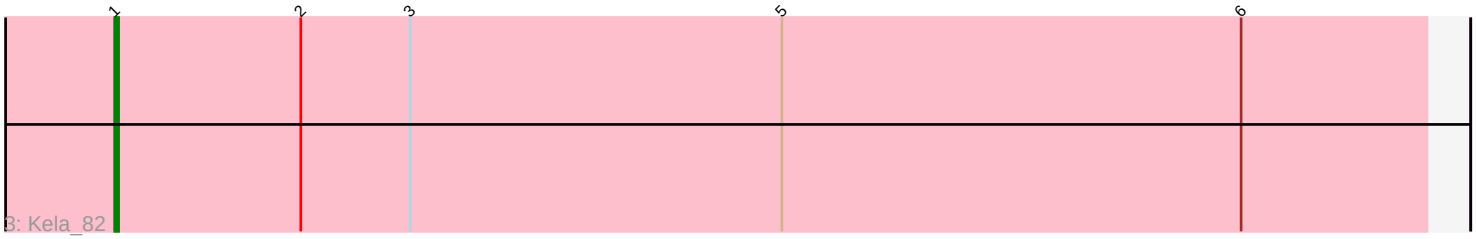
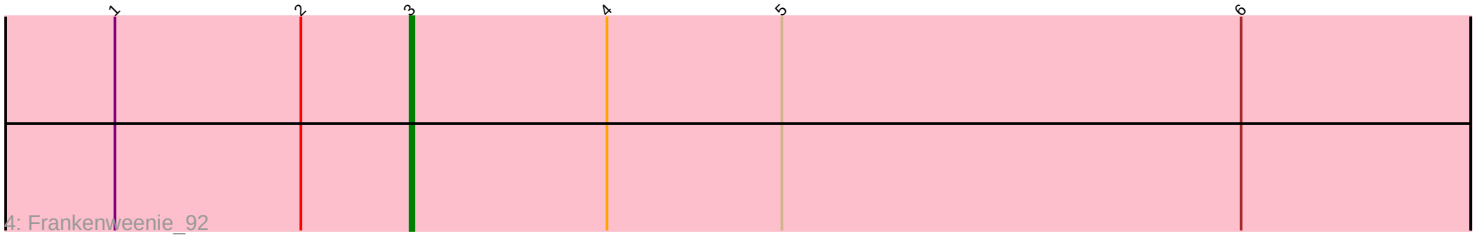
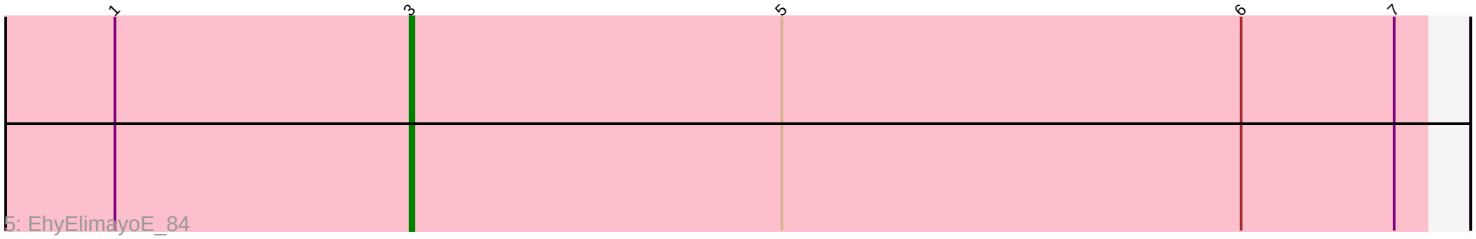
# Pham 8043

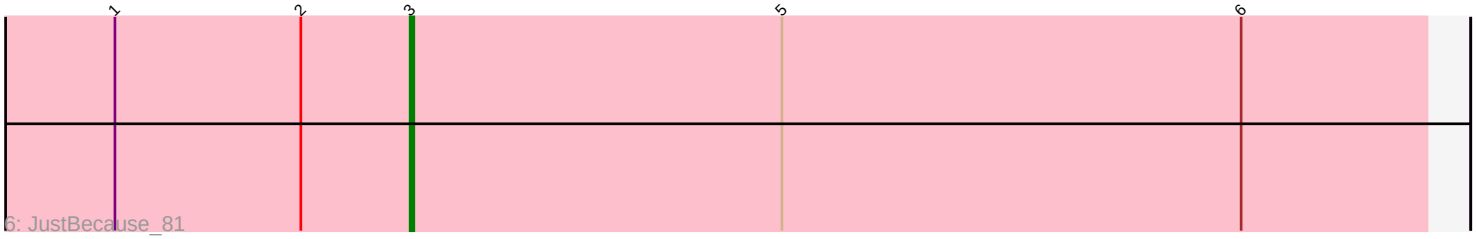

1
2
3
4
5
6
1: Nirvana_91


1
3
5
6
7
2: Kradal_84 + 1


1
2
3
5
6
3: Kela_82


1
2
3
4
5
6
4: Frankenweenie_92


1
3
5
6
7
5: EhyElimayoE_84


1
2
3
5
6
6: JustBecause_81

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 8043 Report

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

Pham number 8043 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Nirvana_91
• Track 2 : Kradal_84, Satis_84
• Track 3 : Kela_82
• Track 4 : Frankenweenie_92
• Track 5 : EhyElimayoE_84
• Track 6 : JustBecause_81

***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_84, Frankenweenie_92, JustBecause_81, Kradal_84, Nirvana_91, Satis_84,

Genes that have the "Most Annotated" start but do not call it:
• Kela_82,

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

**Summary by start number:**

Start 1:
• Found in 7 of 7 ( 100.0% ) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 14.3% of time when present
• Phage (with cluster) where this start called: Kela_82 (BM),

Start 3:
• 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_84 (BM), Frankenweenie_92 (BM), JustBecause_81 (BM), Kradal_84 (BM), Nirvana_91 (BM), Satis_84 (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_84 Start: 60409, Stop: 60131, Start Num: 3
Candidate Starts for EhyElimayoE_84:
(Start: 1 @60490 has 1 MA's), (Start: 3 @60409 has 5 MA's), (5, 60307), (6, 60181), (7, 60139),

Gene: Frankenweenie_92 Start: 64520, Stop: 64230, Start Num: 3
Candidate Starts for Frankenweenie_92:
(Start: 1 @64601 has 1 MA's), (2, 64550), (Start: 3 @64520 has 5 MA's), (4, 64466), (5, 64418), (6, 64292),

Gene: JustBecause_81 Start: 58536, Stop: 58258, Start Num: 3
Candidate Starts for JustBecause_81:
(Start: 1 @58617 has 1 MA's), (2, 58566), (Start: 3 @58536 has 5 MA's), (5, 58434), (6, 58308),

Gene: Kela_82 Start: 58482, Stop: 58123, Start Num: 1
Candidate Starts for Kela_82:
(Start: 1 @58482 has 1 MA's), (2, 58431), (Start: 3 @58401 has 5 MA's), (5, 58299), (6, 58173),

Gene: Kradal_84 Start: 60409, Stop: 60131, Start Num: 3
Candidate Starts for Kradal_84:
(Start: 1 @60490 has 1 MA's), (Start: 3 @60409 has 5 MA's), (5, 60307), (6, 60181), (7, 60139),

Gene: Nirvana_91 Start: 62928, Stop: 62638, Start Num: 3
Candidate Starts for Nirvana_91:
(Start: 1 @63009 has 1 MA's), (2, 62958), (Start: 3 @62928 has 5 MA's), (4, 62874), (5, 62826), (6, 62700),

Gene: Satis_84 Start: 60405, Stop: 60127, Start Num: 3
Candidate Starts for Satis_84:
(Start: 1 @60486 has 1 MA's), (Start: 3 @60405 has 5 MA's), (5, 60303), (6, 60177), (7, 60135),