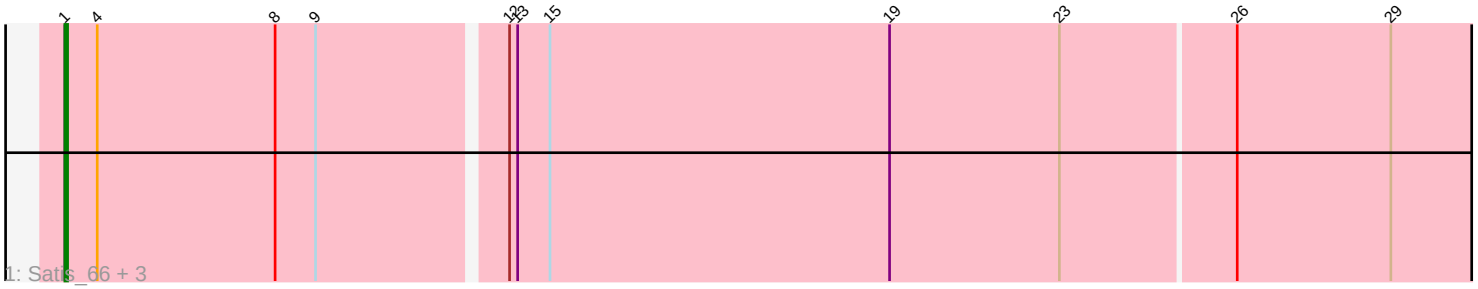
Pham 220433


1
4
8
9
12
13
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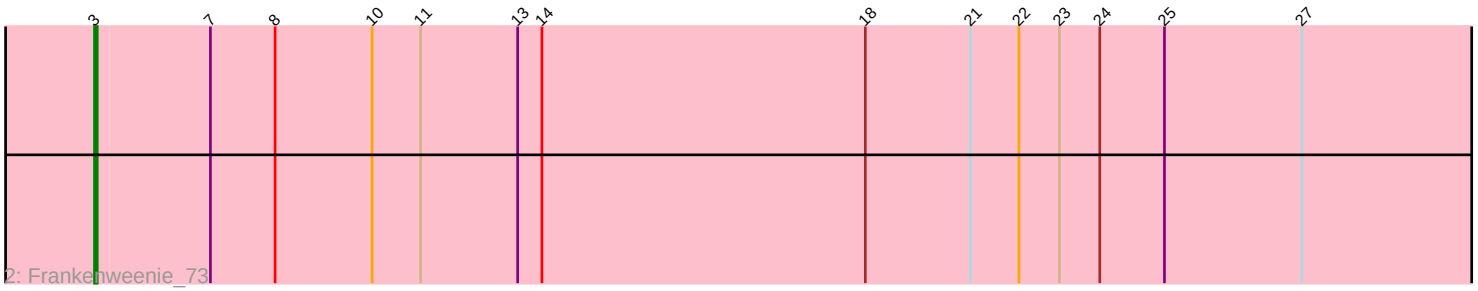
26
29
1: Satis_66 + 3


3
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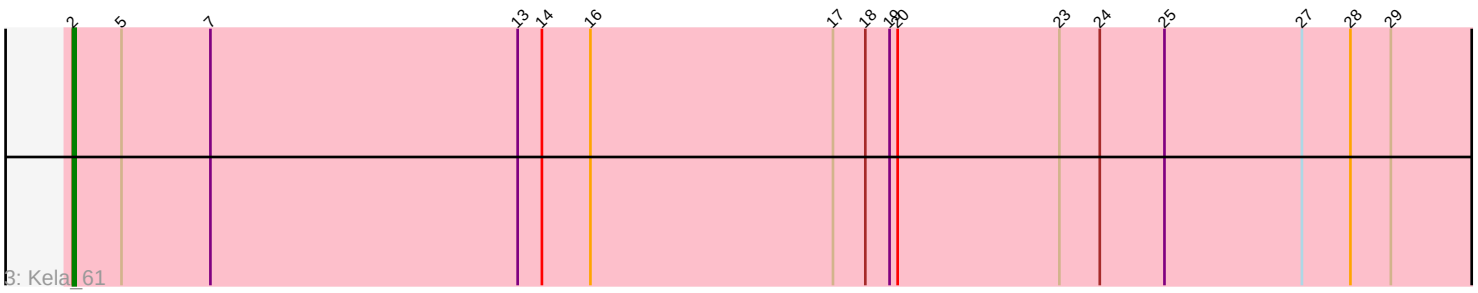
2: Frankenweenie_73


2
5
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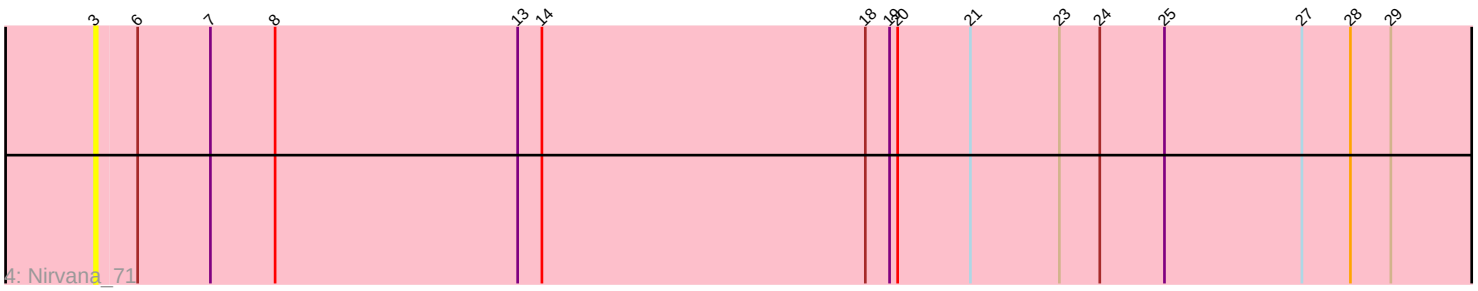
3: Kela_61


3
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7
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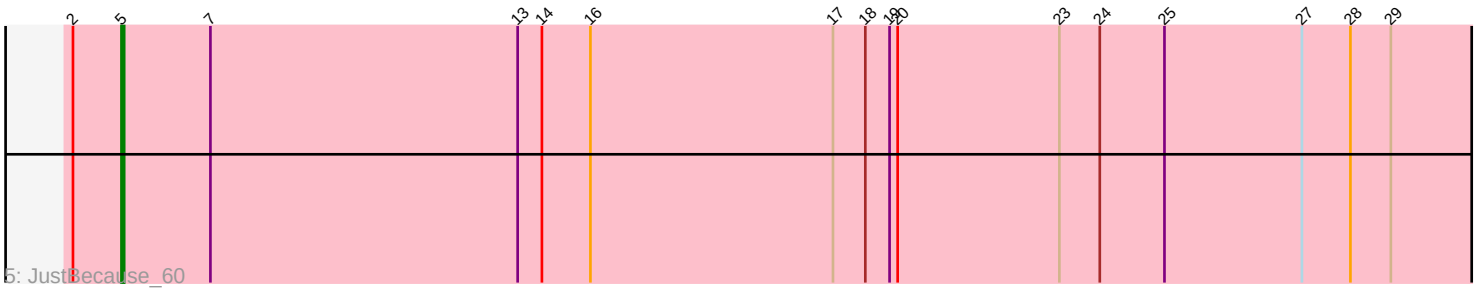
4: Nirvana_71


2
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5: JustBecause_60

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 220433 Report

This analysis was run 03/28/25 on database version 593.

Pham number 220433 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Satis_66, EhyElimayoE_66, Kradal_66, Quantum_65
• Track 2 : Frankenweenie_73
• Track 3 : Kela_61
• Track 4 : Nirvana_71
• Track 5 : JustBecause_60

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

The start number called the most often in the published annotations is 1, it was called in 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• EhyElimayoE_66, Kradal_66, Quantum_65, Satis_66,

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

Genes that do not have the "Most Annotated" start:
• Frankenweenie_73, JustBecause_60, Kela_61, Nirvana_71,

Summary by start number:

Start 1:
• Found in 4 of 8 (50.0%) of genes in pham
• Manual Annotations of this start: 4 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: EhyElimayoE_66 (BM), Kradal_66 (BM), Quantum_65 (BM), Satis_66 (BM),

Start 2:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Kela_61 (BM),

Start 3:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Frankenweenie_73 (BM), Nirvana_71 (BM),

Start 5:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 50.0% of time when present
• Phage (with cluster) where this start called: JustBecause_60 (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 4 times for cluster BM.
•Start number 2 was manually annotated 1 time for cluster BM.
•Start number 3 was manually annotated 1 time for cluster BM.
•Start number 5 was manually annotated 1 time for cluster BM.

Gene Information:

Gene: EhyElimayoE_66 Start: 44745, Stop: 44173, Start Num: 1
Candidate Starts for EhyElimayoE_66:
(Start: 1 @44745 has 4 MA's), (4, 44733), (8, 44667), (9, 44652), (12, 44586), (13, 44583), (15, 44571), (19, 44445), (23, 44382), (26, 44319), (29, 44262),

Gene: Frankenweenie_73 Start: 47336, Stop: 46788, Start Num: 3
Candidate Starts for Frankenweenie_73:
(Start: 3 @47336 has 1 MA's), (7, 47294), (8, 47270), (10, 47234), (11, 47216), (13, 47180), (14, 47171), (18, 47051), (21, 47012), (22, 46994), (23, 46979), (24, 46964), (25, 46940), (27, 46889),

Gene: JustBecause_60 Start: 41941, Stop: 41381, Start Num: 5
Candidate Starts for JustBecause_60:
(Start: 2 @41959 has 1 MA's), (Start: 5 @41941 has 1 MA's), (7, 41908), (13, 41794), (14, 41785), (16, 41767), (17, 41677), (18, 41665), (19, 41656), (20, 41653), (23, 41593), (24, 41578), (25, 41554), (27, 41503), (28, 41485), (29, 41470),

Gene: Kela_61 Start: 41824, Stop: 41246, Start Num: 2
Candidate Starts for Kela_61:
(Start: 2 @41824 has 1 MA's), (Start: 5 @41806 has 1 MA's), (7, 41773), (13, 41659), (14, 41650), (16, 41632), (17, 41542), (18, 41530), (19, 41521), (20, 41518), (23, 41458), (24, 41443), (25, 41419), (27, 41368), (28, 41350), (29, 41335),

Gene: Kradal_66 Start: 44745, Stop: 44173, Start Num: 1
Candidate Starts for Kradal_66:

(Start: 1 @44745 has 4 MA's), (4, 44733), (8, 44667), (9, 44652), (12, 44586), (13, 44583), (15, 44571), (19, 44445), (23, 44382), (26, 44319), (29, 44262),

Gene: Nirvana_71 Start: 46706, Stop: 46125, Start Num: 3
Candidate Starts for Nirvana_71:
(Start: 3 @46706 has 1 MA's), (6, 46691), (7, 46664), (8, 46640), (13, 46550), (14, 46541), (18, 46421), (19, 46412), (20, 46409), (21, 46382), (23, 46349), (24, 46334), (25, 46310), (27, 46259), (28, 46241), (29, 46226),

Gene: Quantum_65 Start: 44745, Stop: 44173, Start Num: 1
Candidate Starts for Quantum_65:
(Start: 1 @44745 has 4 MA's), (4, 44733), (8, 44667), (9, 44652), (12, 44586), (13, 44583), (15, 44571), (19, 44445), (23, 44382), (26, 44319), (29, 44262),

Gene: Satis_66 Start: 44741, Stop: 44169, Start Num: 1
Candidate Starts for Satis_66:
(Start: 1 @44741 has 4 MA's), (4, 44729), (8, 44663), (9, 44648), (12, 44582), (13, 44579), (15, 44567), (19, 44441), (23, 44378), (26, 44315), (29, 44258),