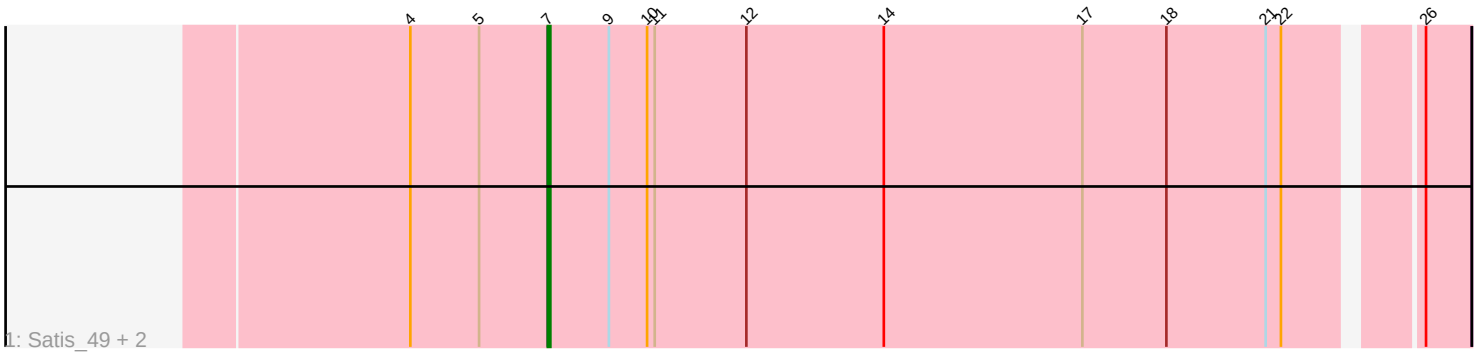
Pham 7533


4
5
7
9
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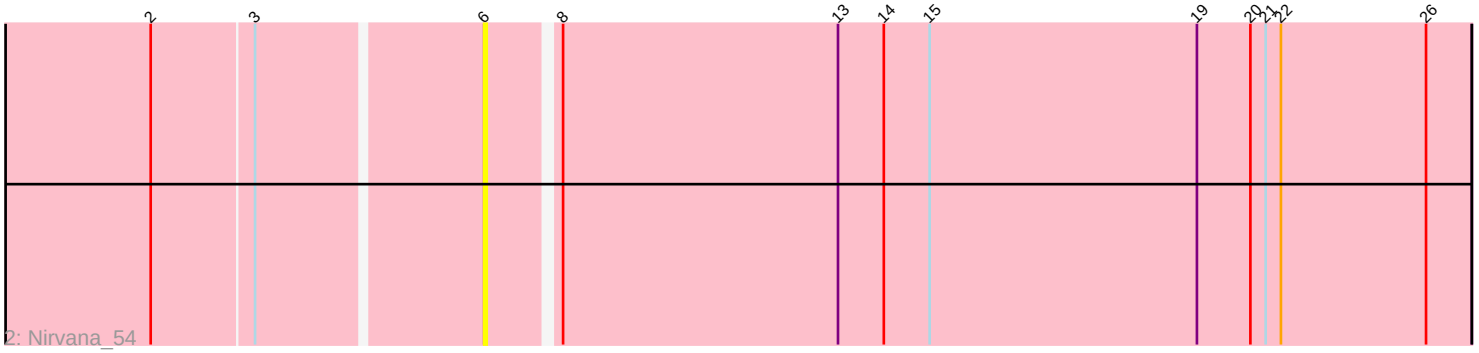
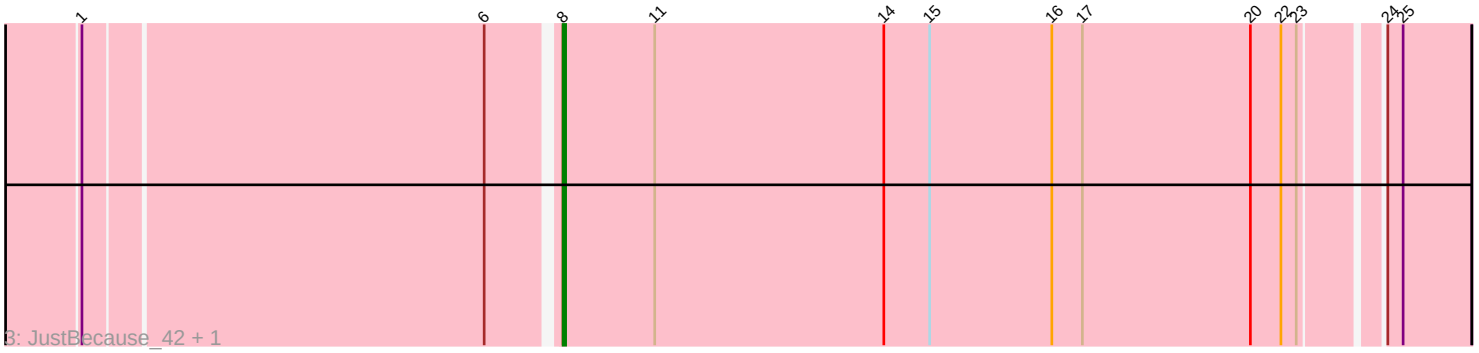
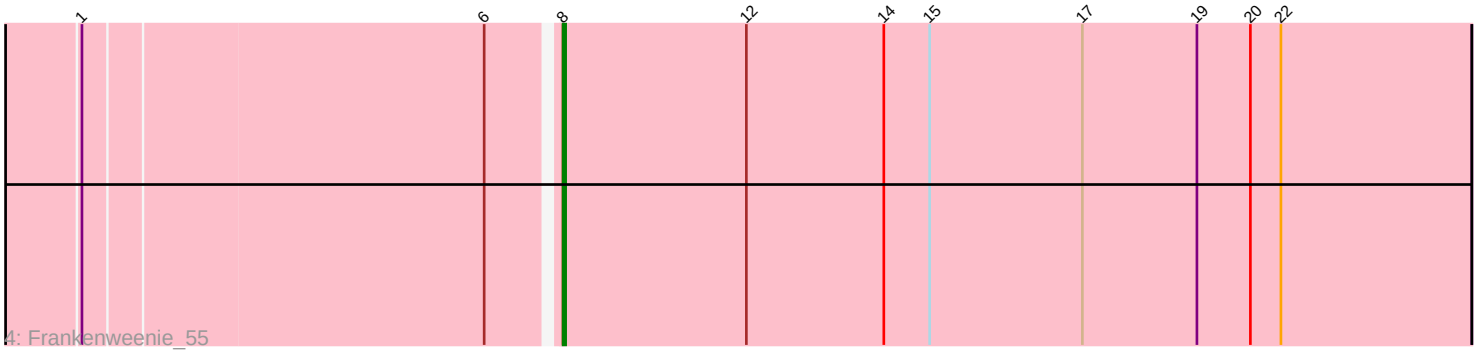
17
18
21
22
26
1: Satis_49 + 2


2
3
6
8
13
14
15
19
20
21
22
26
2: Nirvana_54


1
6
8
11
14
15
16
17
20
22
23
24
25
3: JustBecause_42 + 1


1
6
8
12
14
15
17
19
20
22
4: Frankenweenie_55

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 7533 Report

This analysis was run 07/09/24 on database version 566.

Pham number 7533 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Satis_49, EhyElimayoE_49, Kradal_49
• Track 2 : Nirvana_54
• Track 3 : JustBecause_42, Kela_43
• Track 4 : Frankenweenie_55

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

The start number called the most often in the published annotations is 8, it was called in 3 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Frankenweenie_55, JustBecause_42, Kela_43,

Genes that have the "Most Annotated" start but do not call it:
• Nirvana_54,

Genes that do not have the "Most Annotated" start:
• EhyElimayoE_49, Kradal_49, Satis_49,

Summary by start number:

Start 6:
• Found in 4 of 7 (57.1%) of genes in pham
• No Manual Annotations of this start.
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Nirvana_54 (BM),

Start 7:
• Found in 3 of 7 (42.9%) of genes in pham
• Manual Annotations of this start: 3 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: EhyElimayoE_49 (BM), Kradal_49 (BM), Satis_49 (BM),

Start 8:
• Found in 4 of 7 (57.1%) of genes in pham
• Manual Annotations of this start: 3 of 6
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Frankenweenie_55 (BM), JustBecause_42 (BM), Kela_43 (BM),

Summary by clusters:

There is one cluster represented in this pham: BM

Info for manual annotations of cluster BM:
•Start number 7 was manually annotated 3 times for cluster BM.
•Start number 8 was manually annotated 3 times for cluster BM.

Gene Information:

Gene: EhyElimayoE_49 Start: 26747, Stop: 26397, Start Num: 7
Candidate Starts for EhyElimayoE_49:
(4, 26801), (5, 26774), (Start: 7 @26747 has 3 MA's), (9, 26723), (10, 26708), (11, 26705), (12, 26669), (14, 26615), (17, 26537), (18, 26504), (21, 26465), (22, 26459), (26, 26414),

Gene: Frankenweenie_55 Start: 28895, Stop: 28539, Start Num: 8
Candidate Starts for Frankenweenie_55:
(1, 29072), (6, 28919), (Start: 8 @28895 has 3 MA's), (12, 28823), (14, 28769), (15, 28751), (17, 28691), (19, 28646), (20, 28625), (22, 28613),

Gene: JustBecause_42 Start: 23505, Stop: 23158, Start Num: 8
Candidate Starts for JustBecause_42:
(1, 23682), (6, 23529), (Start: 8 @23505 has 3 MA's), (11, 23469), (14, 23379), (15, 23361), (16, 23313), (17, 23301), (20, 23235), (22, 23223), (23, 23217), (24, 23190), (25, 23184),

Gene: Kela_43 Start: 23370, Stop: 23023, Start Num: 8
Candidate Starts for Kela_43:
(1, 23547), (6, 23394), (Start: 8 @23370 has 3 MA's), (11, 23334), (14, 23244), (15, 23226), (16, 23178), (17, 23166), (20, 23100), (22, 23088), (23, 23082), (24, 23055), (25, 23049),

Gene: Kradal_49 Start: 26747, Stop: 26397, Start Num: 7
Candidate Starts for Kradal_49:
(4, 26801), (5, 26774), (Start: 7 @26747 has 3 MA's), (9, 26723), (10, 26708), (11, 26705), (12, 26669), (14, 26615), (17, 26537), (18, 26504), (21, 26465), (22, 26459), (26, 26414),

Gene: Nirvana_54 Start: 28706, Stop: 28326, Start Num: 6
Candidate Starts for Nirvana_54:
(2, 28829), (3, 28790), (6, 28706), (Start: 8 @28682 has 3 MA's), (13, 28574), (14, 28556), (15, 28538), (19, 28433), (20, 28412), (21, 28406), (22, 28400), (26, 28343),

Gene: Satis_49 Start: 26743, Stop: 26393, Start Num: 7
Candidate Starts for Satis_49:
(4, 26797), (5, 26770), (Start: 7 @26743 has 3 MA's), (9, 26719), (10, 26704), (11, 26701), (12, 26665), (14, 26611), (17, 26533), (18, 26500), (21, 26461), (22, 26455), (26, 26410),