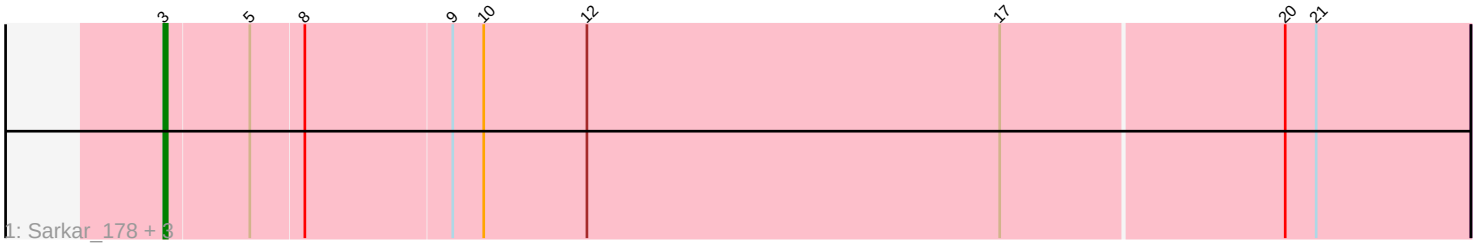
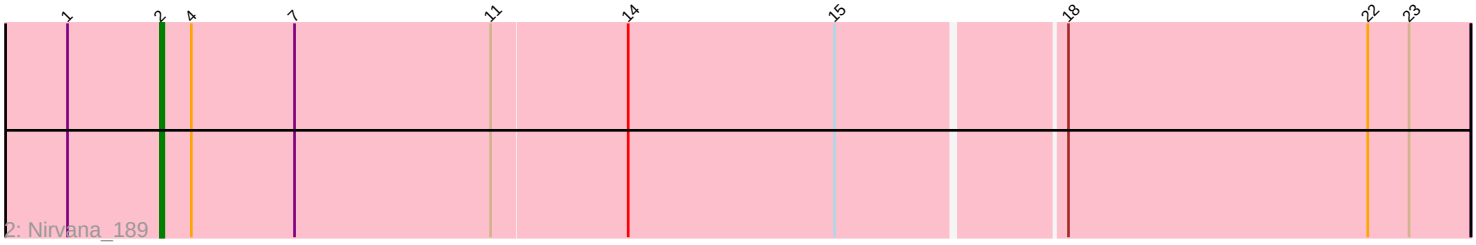
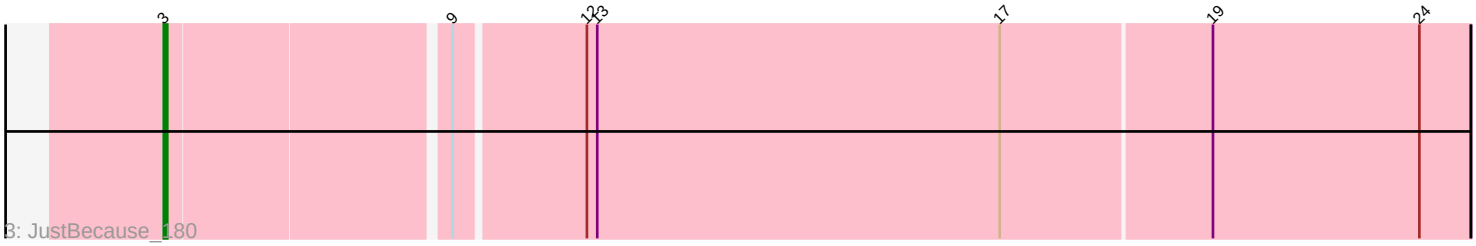
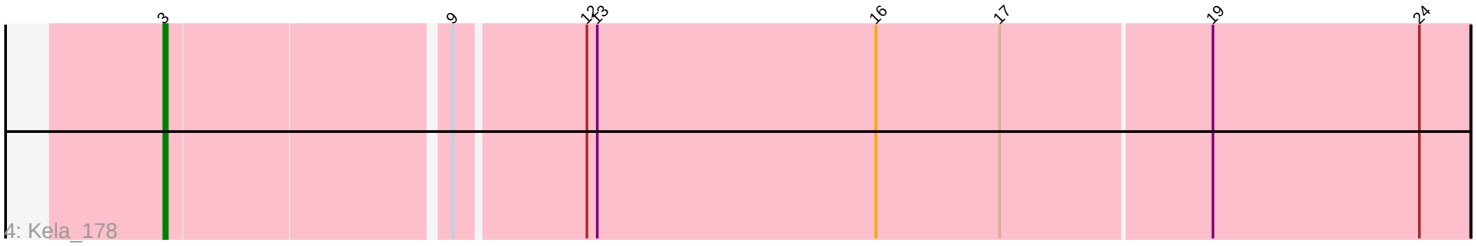
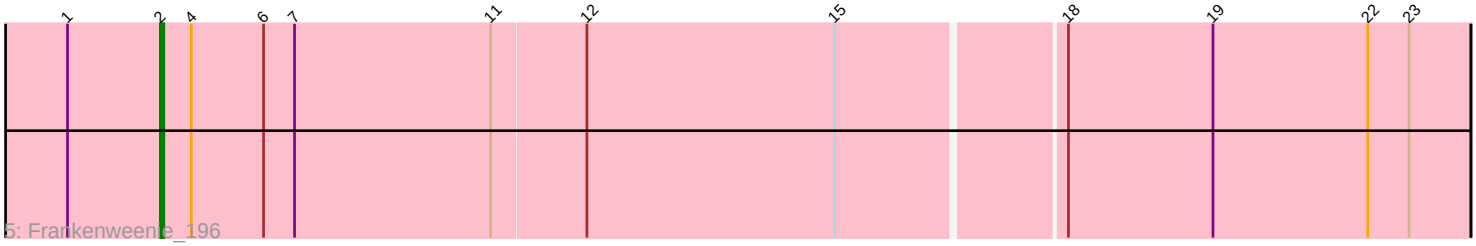
Pham 346429

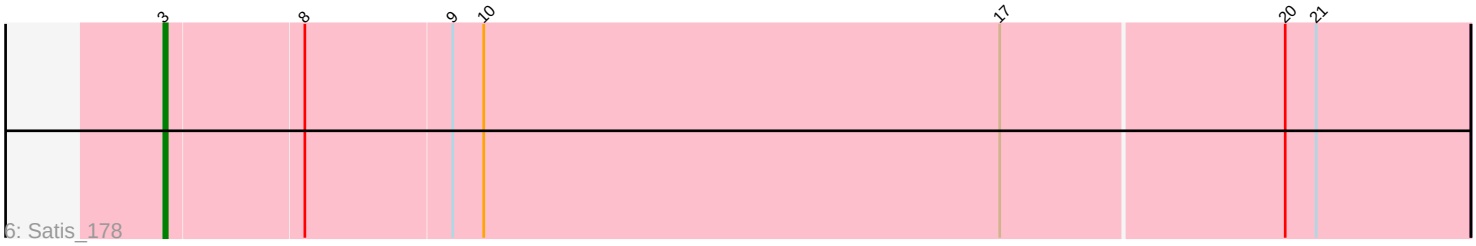

3
5
8
9
10
12
17
20
21
1: Sarkar_178 + 3


1
2
4
7
11
14
15
18
22
23
2: Nirvana_189


3
9
12
13
17
19
24
3: JustBecause_180


3
9
12
13
16
17
19
24
4: Kela_178


1
2
4
6
7
11
12
15
18
19
22
23
5: Frankenweenie_196


3
8
9
10
17
20
21
6: Satis_178

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 346429 Report

This analysis was run 11/14/26 on database version 672.

Pham number 346429 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Sarkar_178, Quantum_177, Kradal_178, EhyElimayoE_179
• Track 2 : Nirvana_189
• Track 3 : JustBecause_180
• Track 4 : Kela_178
• Track 5 : Frankenweenie_196
• Track 6 : Satis_178

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 7 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• EhyElimayoE_179, JustBecause_180, Kela_178, Kradal_178, Quantum_177, Sarkar_178, Satis_178,

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

Genes that do not have the "Most Annotated" start:
• Frankenweenie_196, Nirvana_189,

Summary by start number:

Start 2:
• Found in 2 of 9 (22.2%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Frankenweenie_196 (BM), Nirvana_189 (BM),

Start 3:
• Found in 7 of 9 (77.8%) of genes in pham
• Manual Annotations of this start: 7 of 9

• Called 100.0% of time when present
• Phage (with cluster) where this start called: EhyElimayoE_179 (BM), JustBecause_180 (BM), Kela_178 (BM), Kradal_178 (BM), Quantum_177 (BM), Sarkar_178 (BM), Satis_178 (BM),

Summary by clusters:

There is one cluster represented in this pham: BM

Info for manual annotations of cluster BM:
•Start number 2 was manually annotated 2 times for cluster BM.
•Start number 3 was manually annotated 7 times for cluster BM.

Gene Information:

Gene: EhyElimayoE_179 Start: 114394, Stop: 114020, Start Num: 3
Candidate Starts for EhyElimayoE_179:
(Start: 3 @114394 has 7 MA's), (5, 114370), (8, 114355), (9, 114313), (10, 114304), (12, 114274), (17, 114154), (20, 114073), (21, 114064),

Gene: Frankenweenie_196 Start: 124573, Stop: 124199, Start Num: 2
Candidate Starts for Frankenweenie_196:
(1, 124600), (Start: 2 @124573 has 2 MA's), (4, 124564), (6, 124543), (7, 124534), (11, 124477), (12, 124450), (15, 124378), (18, 124315), (19, 124273), (22, 124228), (23, 124216),

Gene: JustBecause_180 Start: 111831, Stop: 111463, Start Num: 3
Candidate Starts for JustBecause_180:
(Start: 3 @111831 has 7 MA's), (9, 111753), (12, 111717), (13, 111714), (17, 111597), (19, 111537), (24, 111477),

Gene: Kela_178 Start: 111705, Stop: 111337, Start Num: 3
Candidate Starts for Kela_178:
(Start: 3 @111705 has 7 MA's), (9, 111627), (12, 111591), (13, 111588), (16, 111507), (17, 111471), (19, 111411), (24, 111351),

Gene: Kradal_178 Start: 114391, Stop: 114017, Start Num: 3
Candidate Starts for Kradal_178:
(Start: 3 @114391 has 7 MA's), (5, 114367), (8, 114352), (9, 114310), (10, 114301), (12, 114271), (17, 114151), (20, 114070), (21, 114061),

Gene: Nirvana_189 Start: 122741, Stop: 122367, Start Num: 2
Candidate Starts for Nirvana_189:
(1, 122768), (Start: 2 @122741 has 2 MA's), (4, 122732), (7, 122702), (11, 122645), (14, 122606), (15, 122546), (18, 122483), (22, 122396), (23, 122384),

Gene: Quantum_177 Start: 114391, Stop: 114017, Start Num: 3
Candidate Starts for Quantum_177:
(Start: 3 @114391 has 7 MA's), (5, 114367), (8, 114352), (9, 114310), (10, 114301), (12, 114271), (17, 114151), (20, 114070), (21, 114061),

Gene: Sarkar_178 Start: 114391, Stop: 114017, Start Num: 3

Candidate Starts for Sarkar_178:
(Start: 3 @114391 has 7 MA's), (5, 114367), (8, 114352), (9, 114310), (10, 114301), (12, 114271), (17, 114151), (20, 114070), (21, 114061),

Gene: Satis_178 Start: 114737, Stop: 114363, Start Num: 3
Candidate Starts for Satis_178:
(Start: 3 @114737 has 7 MA's), (8, 114698), (9, 114656), (10, 114647), (17, 114497), (20, 114416), (21, 114407),