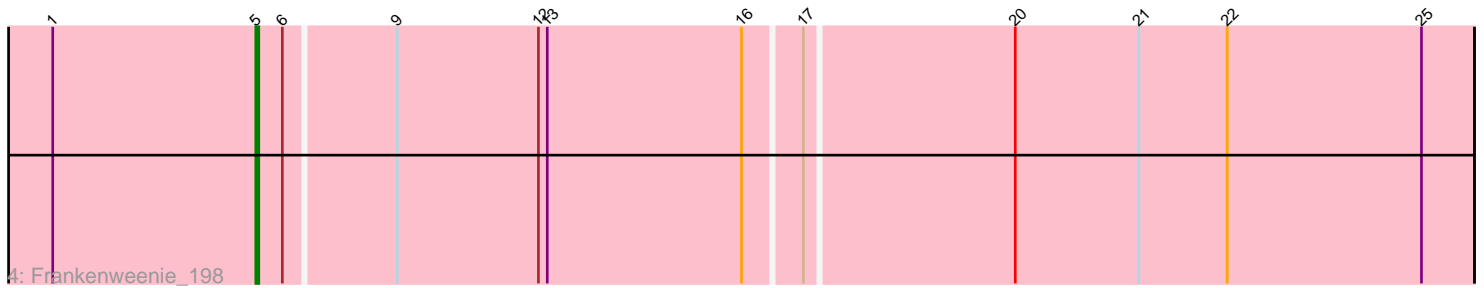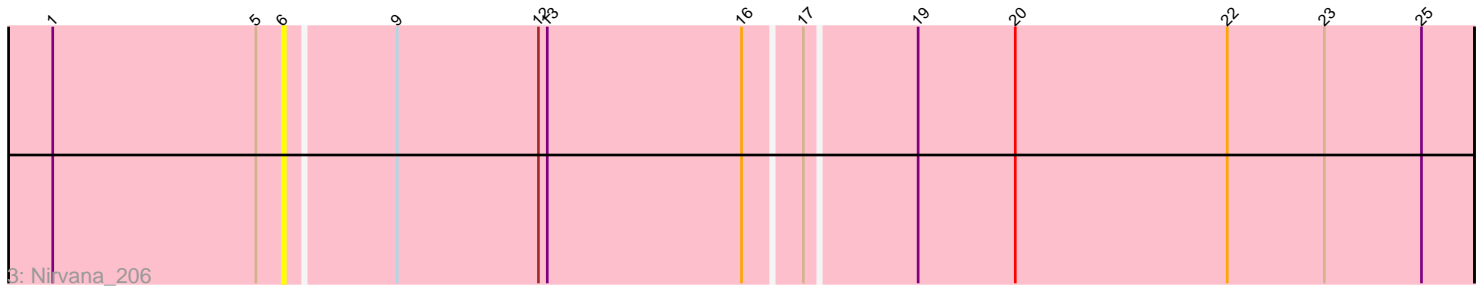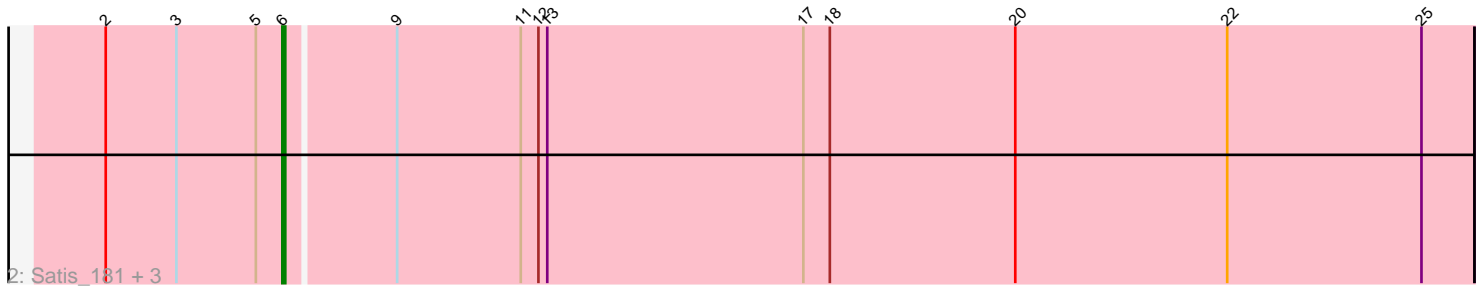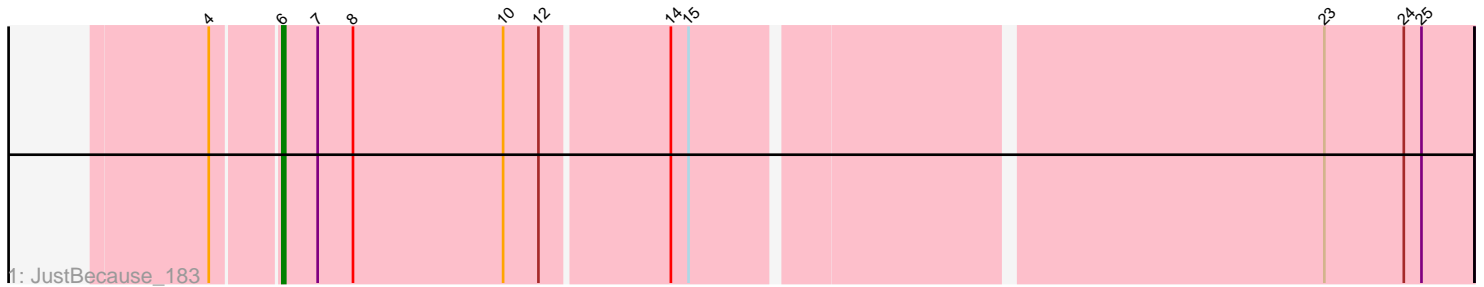# Pham 8056

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 8056 Report

This analysis was run 09/07/24 on database version 573.

Pham number 8056 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : JustBecause_183
• Track 2 : Satis_181, Kradal_181, Quantum_180, EhyElimayoE_182
• Track 3 : Nirvana_206
• Track 4 : Frankenweenie_198
• Track 5 : Kela_181

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

The start number called the most often in the published annotations is 6, it was called in 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• EhyElimayoE_182, JustBecause_183, Kela_181, Kradal_181, Nirvana_206, Quantum_180, Satis_181,

Genes that have the "Most Annotated" start but do not call it:
• Frankenweenie_198,

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

Summary by start number:

Start 5:
• Found in 6 of 8 (75.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Frankenweenie_198 (BM),

Start 6:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 87.5% of time when present

• Phage (with cluster) where this start called: EhyElimayoE_182 (BM), JustBecause_183 (BM), Kela_181 (BM), Kradal_181 (BM), Nirvana_206 (BM), Quantum_180 (BM), Satis_181 (BM),

Summary by clusters:

There is one cluster represented in this pham: BM

Info for manual annotations of cluster BM:
•Start number 5 was manually annotated 1 time for cluster BM.
•Start number 6 was manually annotated 6 times for cluster BM.

Gene Information:

Gene: EhyElimayoE_182 Start: 115788, Stop: 116189, Start Num: 6
Candidate Starts for EhyElimayoE_182:
(2, 115728), (3, 115752), (Start: 5 @115779 has 1 MA's), (Start: 6 @115788 has 6 MA's), (9, 115824), (11, 115866), (12, 115872), (13, 115875), (17, 115962), (18, 115971), (20, 116034), (22, 116106), (25, 116172),

Gene: Frankenweenie_198 Start: 125620, Stop: 126024, Start Num: 5
Candidate Starts for Frankenweenie_198:
(1, 125551), (Start: 5 @125620 has 1 MA's), (Start: 6 @125629 has 6 MA's), (9, 125665), (12, 125713), (13, 125716), (16, 125782), (17, 125800), (20, 125869), (21, 125911), (22, 125941), (25, 126007),

Gene: JustBecause_183 Start: 113227, Stop: 113616, Start Num: 6
Candidate Starts for JustBecause_183:
(4, 113206), (Start: 6 @113227 has 6 MA's), (7, 113239), (8, 113251), (10, 113302), (12, 113314), (14, 113356), (15, 113362), (23, 113566), (24, 113593), (25, 113599),

Gene: Kela_181 Start: 113101, Stop: 113490, Start Num: 6
Candidate Starts for Kela_181:
(Start: 6 @113101 has 6 MA's), (7, 113113), (8, 113125), (10, 113176), (12, 113188), (14, 113230), (15, 113236), (23, 113440), (24, 113467), (25, 113473),

Gene: Kradal_181 Start: 115785, Stop: 116186, Start Num: 6
Candidate Starts for Kradal_181:
(2, 115725), (3, 115749), (Start: 5 @115776 has 1 MA's), (Start: 6 @115785 has 6 MA's), (9, 115821), (11, 115863), (12, 115869), (13, 115872), (17, 115959), (18, 115968), (20, 116031), (22, 116103), (25, 116169),

Gene: Nirvana_206 Start: 123793, Stop: 124188, Start Num: 6
Candidate Starts for Nirvana_206:
(1, 123715), (Start: 5 @123784 has 1 MA's), (Start: 6 @123793 has 6 MA's), (9, 123829), (12, 123877), (13, 123880), (16, 123946), (17, 123964), (19, 124000), (20, 124033), (22, 124105), (23, 124138), (25, 124171),

Gene: Quantum_180 Start: 115785, Stop: 116186, Start Num: 6
Candidate Starts for Quantum_180:

(2, 115725), (3, 115749), (Start: 5 @115776 has 1 MA's), (Start: 6 @115785 has 6 MA's), (9, 115821), (11, 115863), (12, 115869), (13, 115872), (17, 115959), (18, 115968), (20, 116031), (22, 116103), (25, 116169),

Gene: Satis_181 Start: 116133, Stop: 116534, Start Num: 6
Candidate Starts for Satis_181:
(2, 116073), (3, 116097), (Start: 5 @116124 has 1 MA's), (Start: 6 @116133 has 6 MA's), (9, 116169), (11, 116211), (12, 116217), (13, 116220), (17, 116307), (18, 116316), (20, 116379), (22, 116451), (25, 116517),