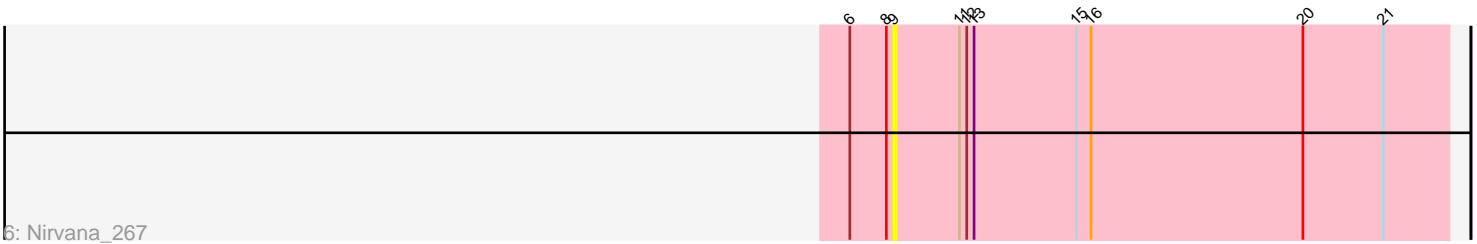
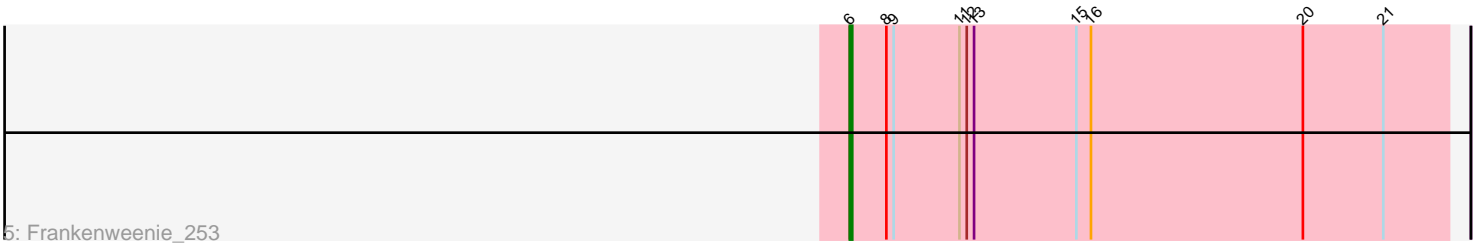
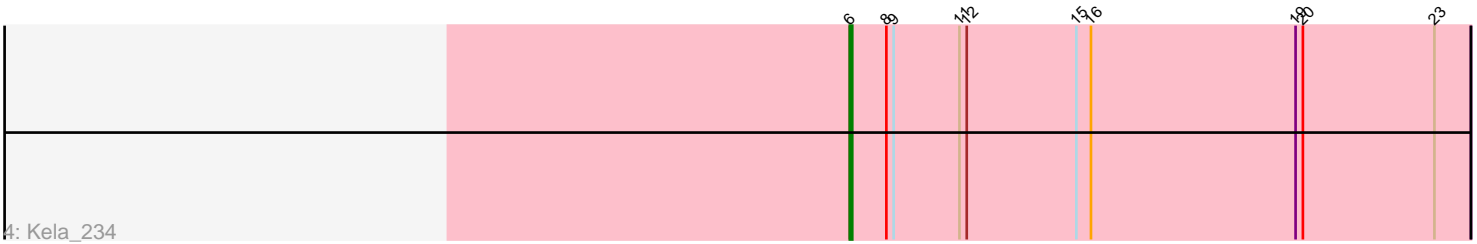
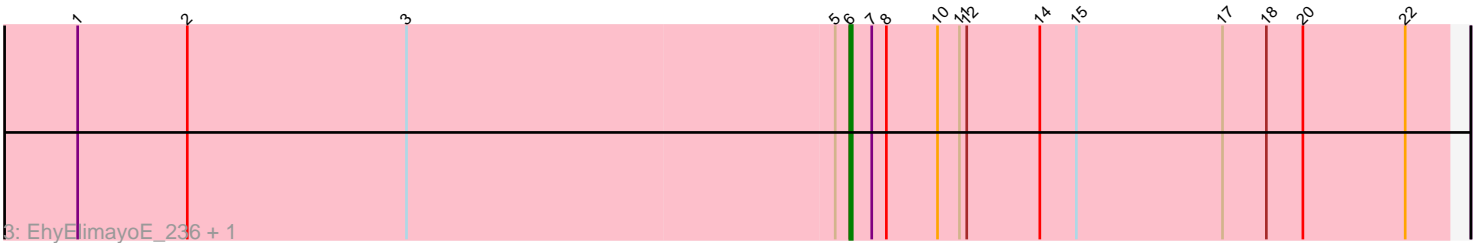
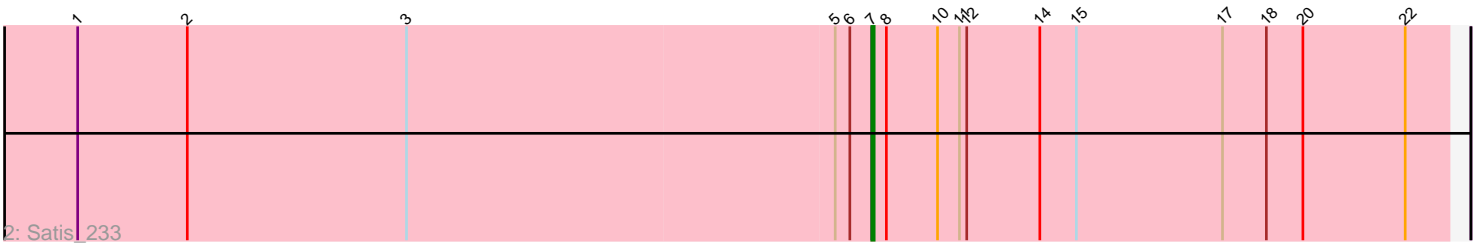
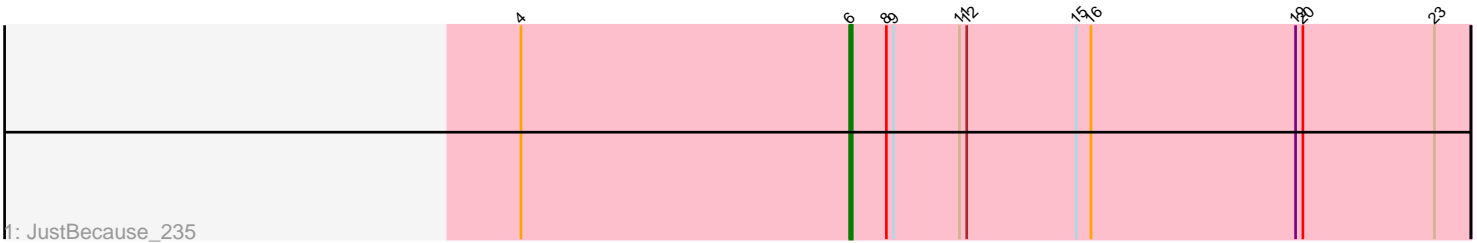


Pham 7675



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 7675 Report

This analysis was run 04/28/24 on database version 559.

Pham number 7675 has 7 members, 1 are drafts.

Phages represented in each track:

- Track 1 : JustBecause_235
- Track 2 : Satis_233
- Track 3 : EhyElimayoE_236, Kradal_234
- Track 4 : Kela_234
- Track 5 : Frankenweenie_253
- Track 6 : Nirvana_267

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 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- EhyElimayoE_236, Frankenweenie_253, JustBecause_235, Kela_234, Kradal_234,

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

- Nirvana_267, Satis_233,

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

-

Summary by start number:

Start 6:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 5 of 6
- Called 71.4% of time when present
- Phage (with cluster) where this start called: EhyElimayoE_236 (BM), Frankenweenie_253 (BM), JustBecause_235 (BM), Kela_234 (BM), Kradal_234 (BM),

Start 7:

- Found in 3 of 7 (42.9%) of genes in pham
- Manual Annotations of this start: 1 of 6

- Called 33.3% of time when present
- Phage (with cluster) where this start called: Satis_233 (BM),

Start 9:

- 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_267 (BM),

Summary by clusters:

There is one cluster represented in this pham: BM

Info for manual annotations of cluster BM:

- Start number 6 was manually annotated 5 times for cluster BM.
- Start number 7 was manually annotated 1 time for cluster BM.

Gene Information:

Gene: EhyElimayoE_236 Start: 139336, Stop: 139091, Start Num: 6

Candidate Starts for EhyElimayoE_236:

(1, 139651), (2, 139606), (3, 139516), (5, 139342), (Start: 6 @139336 has 5 MA's), (Start: 7 @139327 has 1 MA's), (8, 139321), (10, 139300), (11, 139291), (12, 139288), (14, 139258), (15, 139243), (17, 139183), (18, 139165), (20, 139150), (22, 139108),

Gene: Frankenweenie_253 Start: 150331, Stop: 150086, Start Num: 6

Candidate Starts for Frankenweenie_253:

(Start: 6 @150331 has 5 MA's), (8, 150316), (9, 150313), (11, 150286), (12, 150283), (13, 150280), (15, 150238), (16, 150232), (20, 150145), (21, 150112),

Gene: JustBecause_235 Start: 137200, Stop: 136946, Start Num: 6

Candidate Starts for JustBecause_235:

(4, 137335), (Start: 6 @137200 has 5 MA's), (8, 137185), (9, 137182), (11, 137155), (12, 137152), (15, 137107), (16, 137101), (19, 137017), (20, 137014), (23, 136960),

Gene: Kela_234 Start: 137783, Stop: 137529, Start Num: 6

Candidate Starts for Kela_234:

(Start: 6 @137783 has 5 MA's), (8, 137768), (9, 137765), (11, 137738), (12, 137735), (15, 137690), (16, 137684), (19, 137600), (20, 137597), (23, 137543),

Gene: Kradal_234 Start: 139333, Stop: 139088, Start Num: 6

Candidate Starts for Kradal_234:

(1, 139648), (2, 139603), (3, 139513), (5, 139339), (Start: 6 @139333 has 5 MA's), (Start: 7 @139324 has 1 MA's), (8, 139318), (10, 139297), (11, 139288), (12, 139285), (14, 139255), (15, 139240), (17, 139180), (18, 139162), (20, 139147), (22, 139105),

Gene: Nirvana_267 Start: 150114, Stop: 149887, Start Num: 9

Candidate Starts for Nirvana_267:

(Start: 6 @150132 has 5 MA's), (8, 150117), (9, 150114), (11, 150087), (12, 150084), (13, 150081), (15, 150039), (16, 150033), (20, 149946), (21, 149913),

Gene: Satis_233 Start: 139661, Stop: 139425, Start Num: 7

Candidate Starts for Satis_233:

(1, 139985), (2, 139940), (3, 139850), (5, 139676), (Start: 6 @139670 has 5 MA's), (Start: 7 @139661 has 1 MA's), (8, 139655), (10, 139634), (11, 139625), (12, 139622), (14, 139592), (15, 139577), (17, 139517), (18, 139499), (20, 139484), (22, 139442),