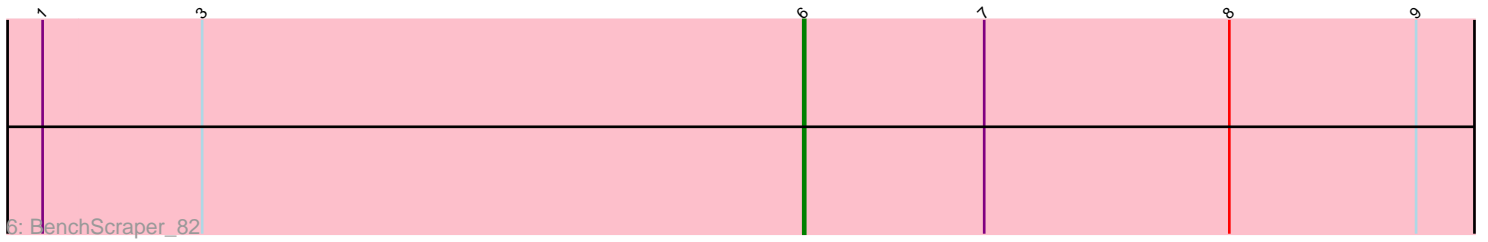
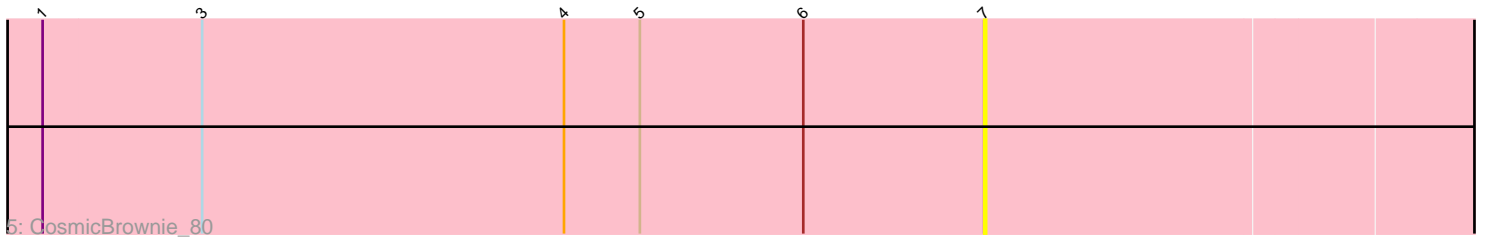
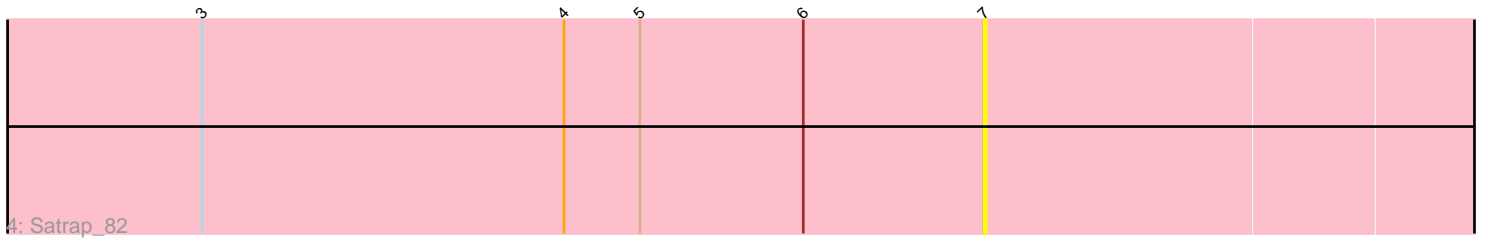
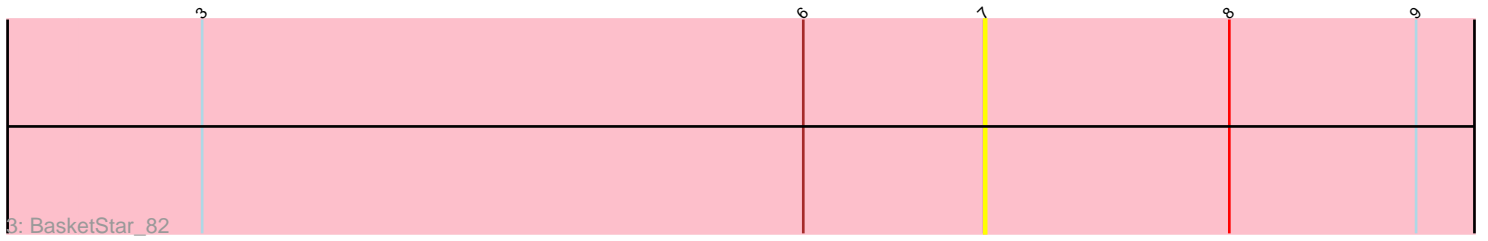
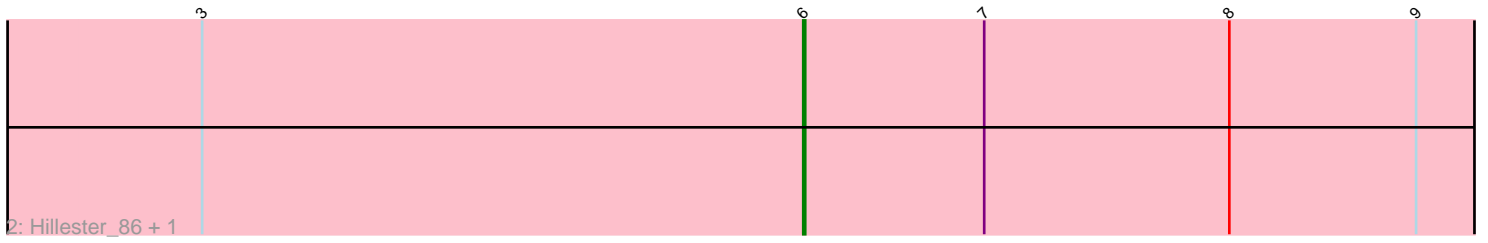
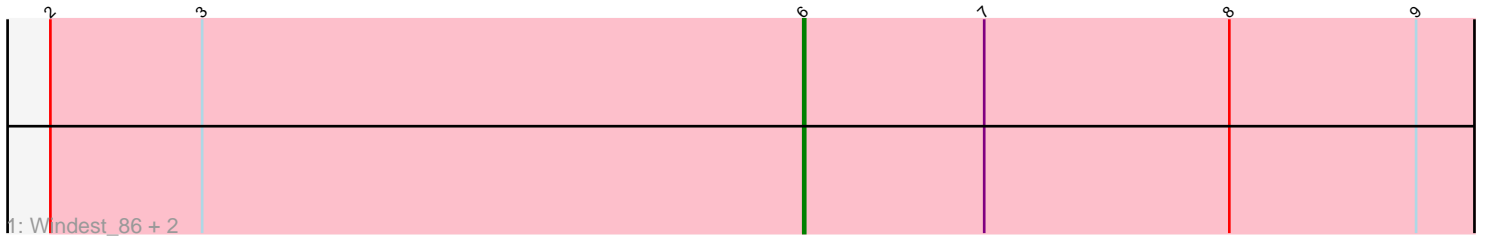


Pham 297234



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 297234 Report

This analysis was run 04/25/26 on database version 644.

Pham number 297234 has 9 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Windest_86, Richie_85, MUWow_85
- Track 2 : Hillester_86, RadFad_87
- Track 3 : BasketStar_82
- Track 4 : Satrap_82
- Track 5 : CosmicBrownie_80
- Track 6 : BenchScraper_82

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 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BenchScraper_82, Hillester_86, MUWow_85, RadFad_87, Richie_85, Windest_86,

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

- BasketStar_82, CosmicBrownie_80, Satrap_82,

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

-

Summary by start number:

Start 6:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 6
- Called 66.7% of time when present
- Phage (with cluster) where this start called: BenchScraper_82 (AY), Hillester_86 (AY), MUWow_85 (AY), RadFad_87 (AY), Richie_85 (AY), Windest_86 (AY),

Start 7:

- Found in 9 of 9 (100.0%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present

- Phage (with cluster) where this start called: BasketStar_82 (AY), CosmicBrownie_80 (AY), Satrap_82 (AY),

Summary by clusters:

There is one cluster represented in this pham: AY

Info for manual annotations of cluster AY:

- Start number 6 was manually annotated 6 times for cluster AY.

Gene Information:

Gene: BasketStar_82 Start: 47340, Stop: 47693, Start Num: 7

Candidate Starts for BasketStar_82:

(3, 46938), (Start: 6 @47247 has 6 MA's), (7, 47340), (8, 47466), (9, 47562),

Gene: BenchScraper_82 Start: 45488, Stop: 45886, Start Num: 6

Candidate Starts for BenchScraper_82:

(1, 45098), (3, 45179), (Start: 6 @45488 has 6 MA's), (7, 45581), (8, 45707), (9, 45803),

Gene: CosmicBrownie_80 Start: 45811, Stop: 46065, Start Num: 7

Candidate Starts for CosmicBrownie_80:

(1, 45328), (3, 45409), (4, 45595), (5, 45634), (Start: 6 @45718 has 6 MA's), (7, 45811),

Gene: Hillester_86 Start: 47374, Stop: 47820, Start Num: 6

Candidate Starts for Hillester_86:

(3, 47065), (Start: 6 @47374 has 6 MA's), (7, 47467), (8, 47593), (9, 47689),

Gene: MUWow_85 Start: 48328, Stop: 48726, Start Num: 6

Candidate Starts for MUWow_85:

(2, 47941), (3, 48019), (Start: 6 @48328 has 6 MA's), (7, 48421), (8, 48547), (9, 48643),

Gene: RadFad_87 Start: 47374, Stop: 47820, Start Num: 6

Candidate Starts for RadFad_87:

(3, 47065), (Start: 6 @47374 has 6 MA's), (7, 47467), (8, 47593), (9, 47689),

Gene: Richie_85 Start: 48060, Stop: 48458, Start Num: 6

Candidate Starts for Richie_85:

(2, 47673), (3, 47751), (Start: 6 @48060 has 6 MA's), (7, 48153), (8, 48279), (9, 48375),

Gene: Satrap_82 Start: 46928, Stop: 47194, Start Num: 7

Candidate Starts for Satrap_82:

(3, 46526), (4, 46712), (5, 46751), (Start: 6 @46835 has 6 MA's), (7, 46928),

Gene: Windest_86 Start: 45545, Stop: 45943, Start Num: 6

Candidate Starts for Windest_86:

(2, 45158), (3, 45236), (Start: 6 @45545 has 6 MA's), (7, 45638), (8, 45764), (9, 45860),