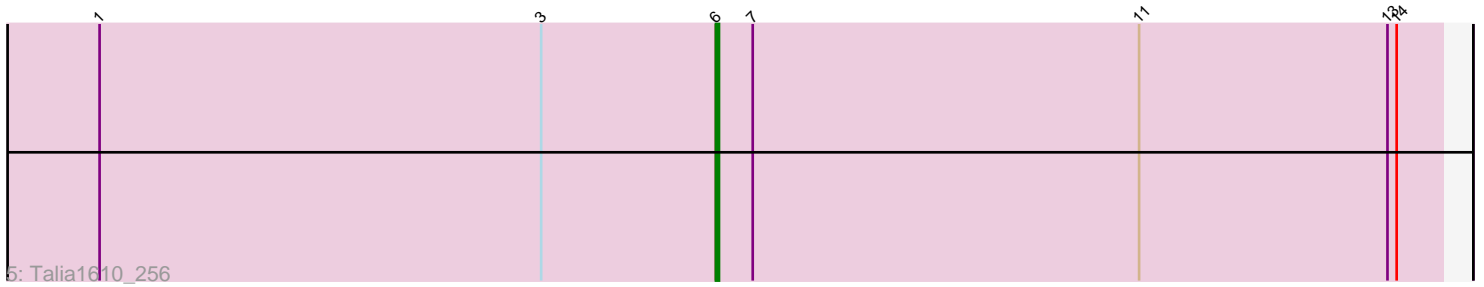
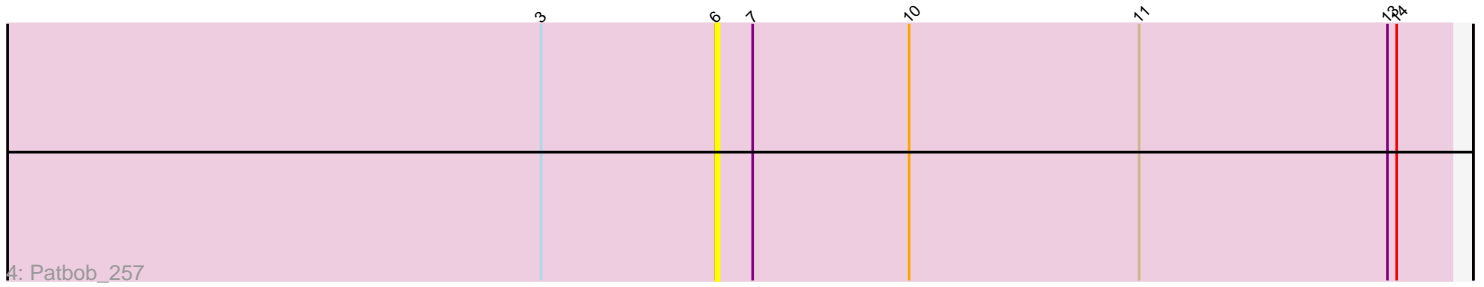
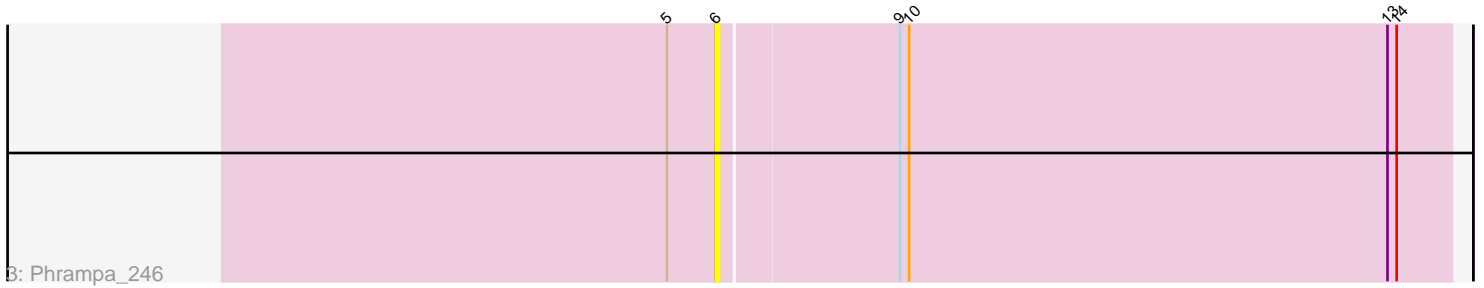
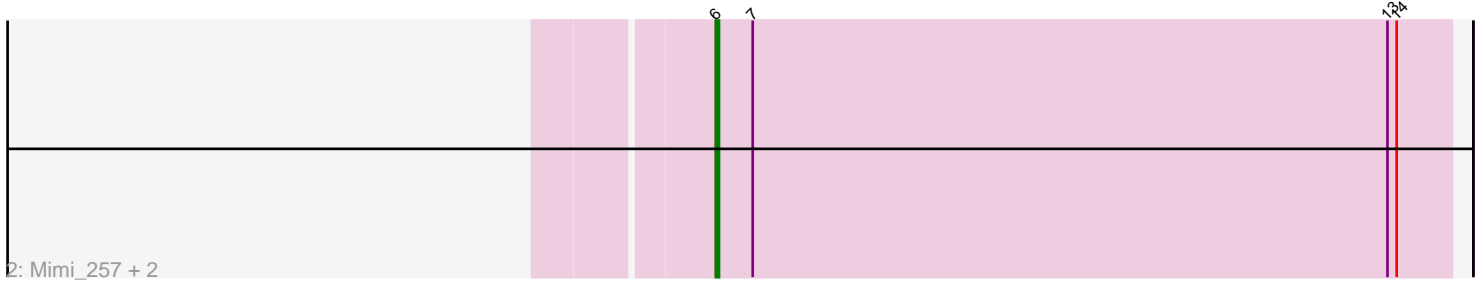
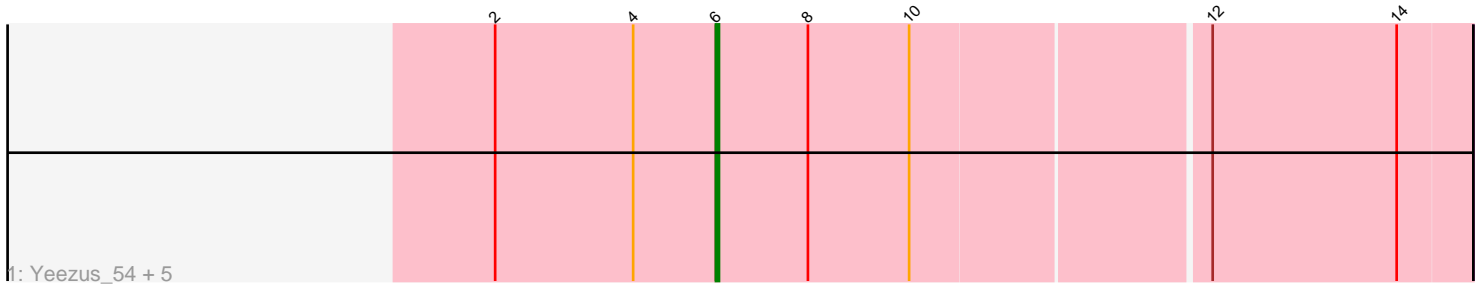


Pham 188577



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 188577 Report

This analysis was run 11/02/24 on database version 579.

Pham number 188577 has 12 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Yeezus\_54, Jaek\_54, Amigo\_54, Ichor\_54, Thunderclap\_53, Boersma\_56
- Track 2 : Mimi\_257, Racecar\_254, Bloom\_256
- Track 3 : Phrampa\_246
- Track 4 : Patbob\_257
- Track 5 : Talia1610\_256

### ***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 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Amigo\_54, Bloom\_256, Boersma\_56, Ichor\_54, Jaek\_54, Mimi\_257, Patbob\_257, Phrampa\_246, Racecar\_254, Talia1610\_256, Thunderclap\_53, Yeezus\_54,

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

- 

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

- 

### **Summary by start number:**

Start 6:

- Found in 12 of 12 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 8 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amigo\_54 (AQ), Bloom\_256 (FC), Boersma\_56 (AQ), Ichor\_54 (AQ), Jaek\_54 (AQ), Mimi\_257 (FC), Patbob\_257 (FC), Phrampa\_246 (FC), Racecar\_254 (FC), Talia1610\_256 (FC), Thunderclap\_53 (AQ), Yeezus\_54 (AQ),

### **Summary by clusters:**

There are 2 clusters represented in this pham: AQ, FC,

Info for manual annotations of cluster AQ:

•Start number 6 was manually annotated 6 times for cluster AQ.

Info for manual annotations of cluster FC:

•Start number 6 was manually annotated 2 times for cluster FC.

**Gene Information:**

Gene: Amigo\_54 Start: 34560, Stop: 34321, Start Num: 6

Candidate Starts for Amigo\_54:

(2, 34632), (4, 34587), (Start: 6 @34560 has 8 MA's), (8, 34530), (10, 34497), (12, 34404), (14, 34344),

Gene: Bloom\_256 Start: 161608, Stop: 161847, Start Num: 6

Candidate Starts for Bloom\_256:

(Start: 6 @161608 has 8 MA's), (7, 161620), (13, 161827), (14, 161830),

Gene: Boersma\_56 Start: 34560, Stop: 34321, Start Num: 6

Candidate Starts for Boersma\_56:

(2, 34632), (4, 34587), (Start: 6 @34560 has 8 MA's), (8, 34530), (10, 34497), (12, 34404), (14, 34344),

Gene: Ichor\_54 Start: 34560, Stop: 34321, Start Num: 6

Candidate Starts for Ichor\_54:

(2, 34632), (4, 34587), (Start: 6 @34560 has 8 MA's), (8, 34530), (10, 34497), (12, 34404), (14, 34344),

Gene: Jaek\_54 Start: 34560, Stop: 34321, Start Num: 6

Candidate Starts for Jaek\_54:

(2, 34632), (4, 34587), (Start: 6 @34560 has 8 MA's), (8, 34530), (10, 34497), (12, 34404), (14, 34344),

Gene: Mimi\_257 Start: 160983, Stop: 161222, Start Num: 6

Candidate Starts for Mimi\_257:

(Start: 6 @160983 has 8 MA's), (7, 160995), (13, 161202), (14, 161205),

Gene: Patbob\_257 Start: 163222, Stop: 163461, Start Num: 6

Candidate Starts for Patbob\_257:

(3, 163165), (Start: 6 @163222 has 8 MA's), (7, 163234), (10, 163285), (11, 163360), (13, 163441), (14, 163444),

Gene: Phrampa\_246 Start: 162726, Stop: 162962, Start Num: 6

Candidate Starts for Phrampa\_246:

(5, 162711), (Start: 6 @162726 has 8 MA's), (9, 162783), (10, 162786), (13, 162942), (14, 162945),

Gene: Racecar\_254 Start: 161362, Stop: 161601, Start Num: 6

Candidate Starts for Racecar\_254:

(Start: 6 @161362 has 8 MA's), (7, 161374), (13, 161581), (14, 161584),

Gene: Talia1610\_256 Start: 163349, Stop: 163585, Start Num: 6

Candidate Starts for Talia1610\_256:

(1, 163148), (3, 163292), (Start: 6 @163349 has 8 MA's), (7, 163361), (11, 163487), (13, 163568), (14, 163571),

Gene: Thunderclap\_53 Start: 34589, Stop: 34350, Start Num: 6

Candidate Starts for Thunderclap\_53:

(2, 34661), (4, 34616), (Start: 6 @34589 has 8 MA's), (8, 34559), (10, 34526), (12, 34433), (14, 34373),

Gene: Yeezus\_54 Start: 34559, Stop: 34320, Start Num: 6

Candidate Starts for Yeezus\_54:

(2, 34631), (4, 34586), (Start: 6 @34559 has 8 MA's), (8, 34529), (10, 34496), (12, 34403), (14, 34343),