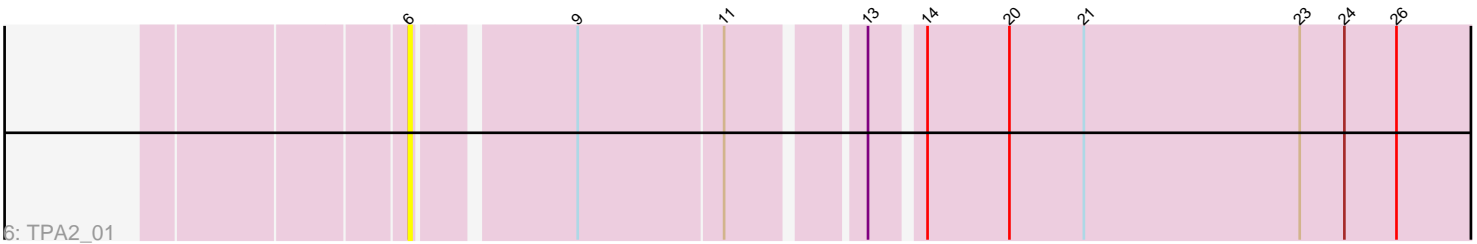
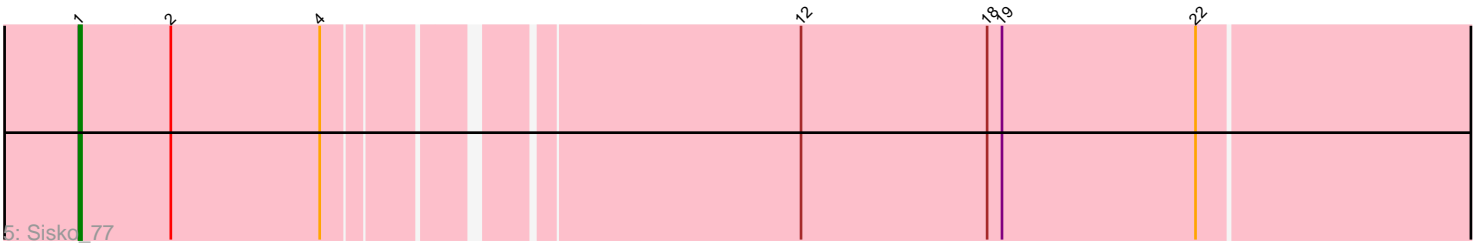
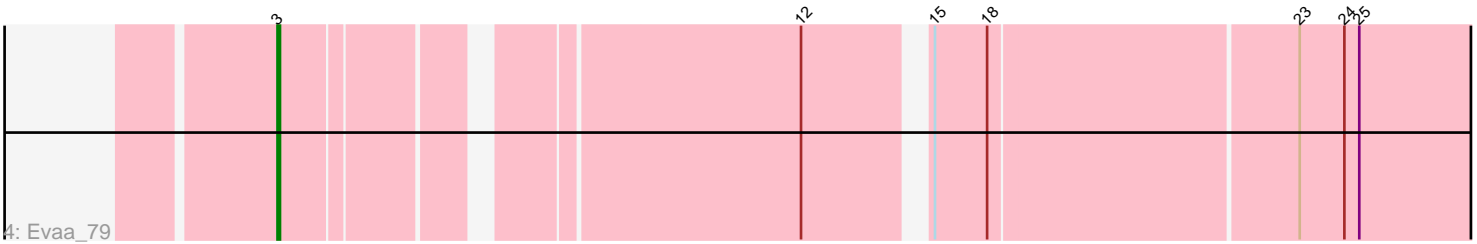
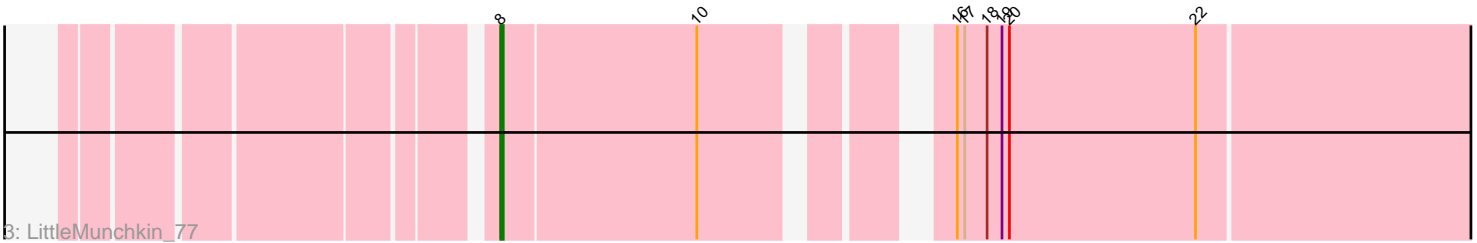
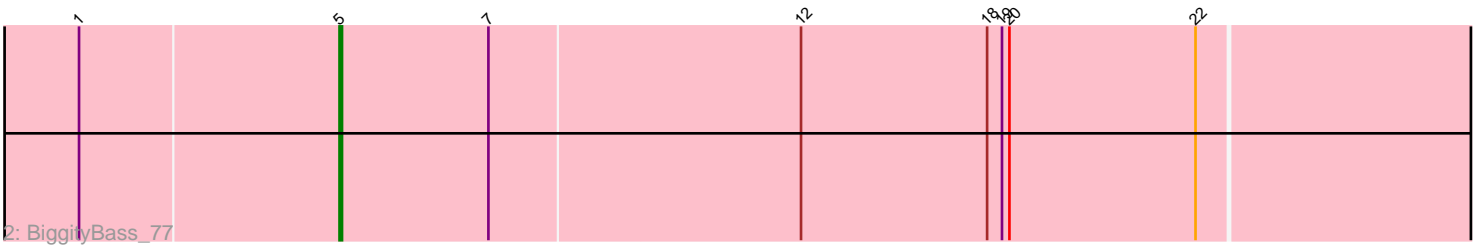
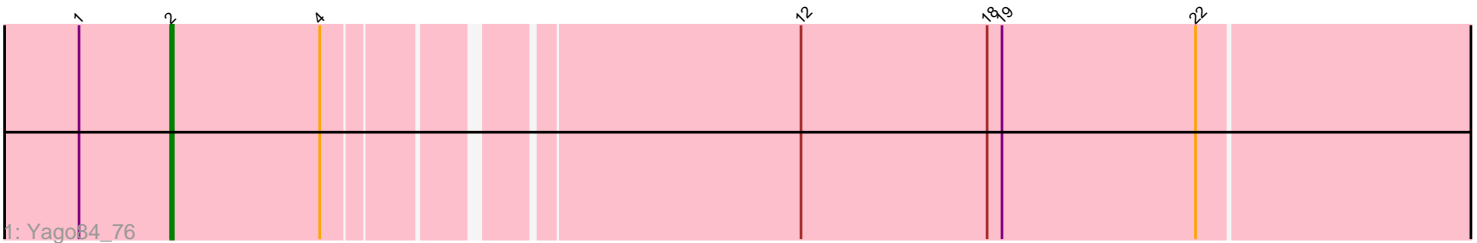


Pham 88238



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 88238 Report

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

Pham number 88238 has 6 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Yago84_76
- Track 2 : BiggityBass_77
- Track 3 : LittleMunchkin_77
- Track 4 : Evaa_79
- Track 5 : Sisko_77
- Track 6 : TPA2_01

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

The start number called the most often in the published annotations is 8, it was called in 1 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- LittleMunchkin_77,

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

-

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

- BiggityBass_77, Evaa_79, Sisko_77, TPA2_01, Yago84_76,

Summary by start number:

Start 1:

- Found in 3 of 6 (50.0%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Sisko_77 (DR),

Start 2:

- Found in 2 of 6 (33.3%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Yago84_76 (DR),

Start 3:

- Found in 1 of 6 (16.7%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Evaa_79 (DR),

Start 5:

- Found in 1 of 6 (16.7%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BiggityBass_77 (DR),

Start 6:

- Found in 1 of 6 (16.7%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: TPA2_01 (singleton),

Start 8:

- Found in 1 of 6 (16.7%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LittleMunchkin_77 (DR),

Summary by clusters:

There are 2 clusters represented in this pham: singleton, DR,

Info for manual annotations of cluster DR:

- Start number 1 was manually annotated 1 time for cluster DR.
- Start number 2 was manually annotated 1 time for cluster DR.
- Start number 3 was manually annotated 1 time for cluster DR.
- Start number 5 was manually annotated 1 time for cluster DR.
- Start number 8 was manually annotated 1 time for cluster DR.

Gene Information:

Gene: BiggityBass_77 Start: 59763, Stop: 59275, Start Num: 5

Candidate Starts for BiggityBass_77:

(Start: 1 @59865 has 1 MA's), (Start: 5 @59763 has 1 MA's), (7, 59703), (12, 59580), (18, 59505), (19, 59499), (20, 59496), (22, 59421),

Gene: Evaa_79 Start: 58056, Stop: 57580, Start Num: 3

Candidate Starts for Evaa_79:

(Start: 3 @58056 has 1 MA's), (12, 57870), (15, 57828), (18, 57807), (23, 57687), (24, 57669), (25, 57663),

Gene: LittleMunchkin_77 Start: 59781, Stop: 59389, Start Num: 8

Candidate Starts for LittleMunchkin_77:

(Start: 8 @59781 has 1 MA's), (10, 59706), (16, 59631), (17, 59628), (18, 59619), (19, 59613), (20, 59610), (22, 59535),

Gene: Sisko_77 Start: 58720, Stop: 58148, Start Num: 1

Candidate Starts for Sisko_77:

(Start: 1 @58720 has 1 MA's), (Start: 2 @58684 has 1 MA's), (4, 58624), (12, 58453), (18, 58378), (19, 58372), (22, 58294),

Gene: TPA2_01 Start: 457, Stop: 20, Start Num: 6

Candidate Starts for TPA2_01:

(6, 457), (9, 400), (11, 343), (13, 295), (14, 277), (20, 244), (21, 214), (23, 127), (24, 109), (26, 88),

Gene: Yago84_76 Start: 58383, Stop: 57847, Start Num: 2

Candidate Starts for Yago84_76:

(Start: 1 @58419 has 1 MA's), (Start: 2 @58383 has 1 MA's), (4, 58323), (12, 58152), (18, 58077), (19, 58071), (22, 57993),