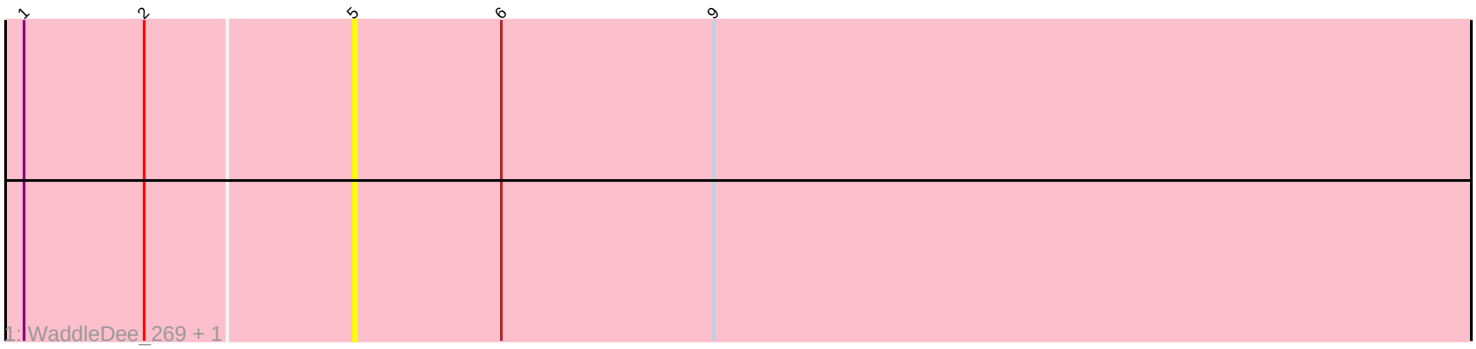
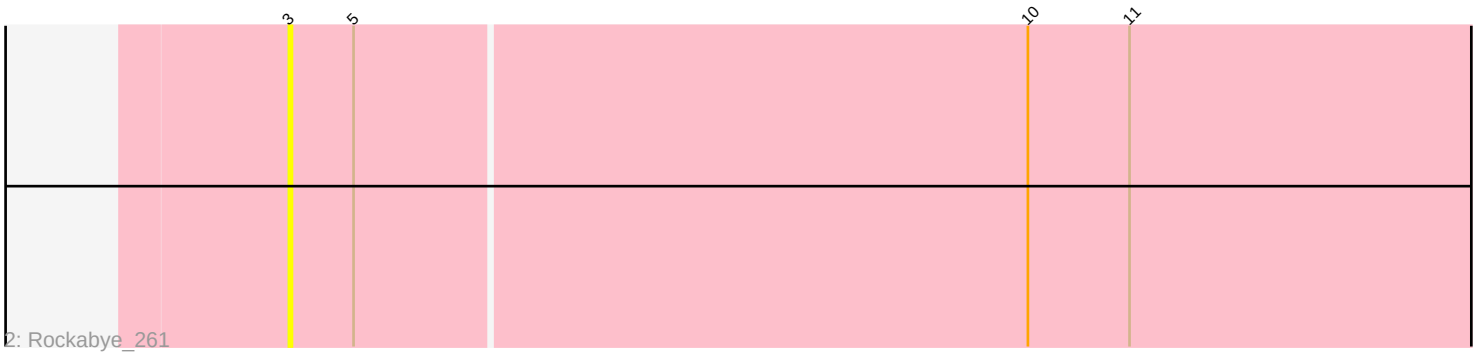
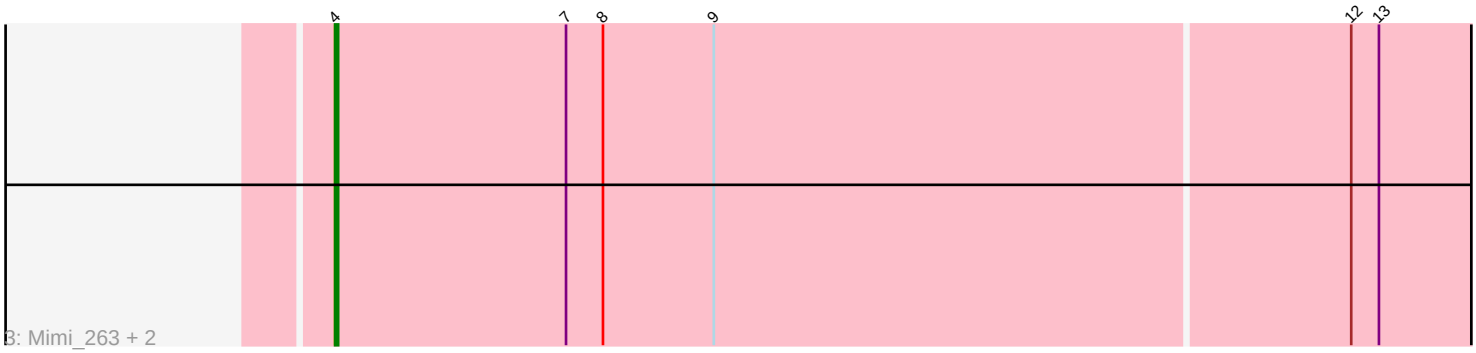
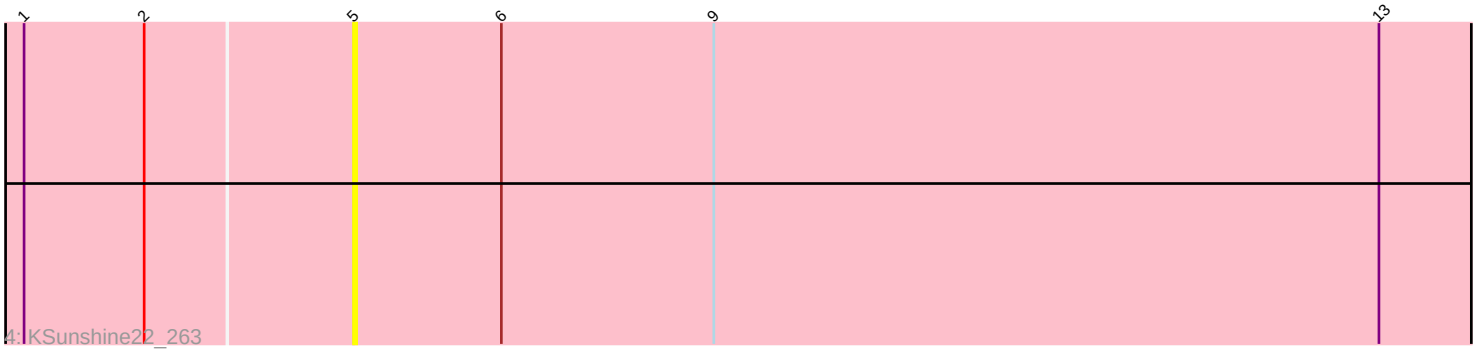
Pham 216887


1
2
5
6
9
1: WaddleDee_269 + 1


3
5
10
11
2: Rockabye_261


4
7
8
9
12
13
3: Mimi_263 + 2


1
2
5
6
9
13
4: KSunshine22_263

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 216887 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216887 has 7 members, 5 are drafts.

Phages represented in each track:
• Track 1 : WaddleDee_269, DunneganBoMo_268
• Track 2 : Rockabye_261
• Track 3 : Mimi_263, Racecar_265, Bloom_267
• Track 4 : KSunshine22_263

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

The start number called the most often in the published annotations is 4, it was called in 2 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bloom_267, Mimi_263, Racecar_265,

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

Genes that do not have the "Most Annotated" start:
• DunneganBoMo_268, KSunshine22_263, Rockabye_261, WaddleDee_269,

Summary by start number:

Start 3:
• Found in 1 of 7 (14.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Rockabye_261 (FC),

Start 4:
• Found in 3 of 7 (42.9%) of genes in pham
• Manual Annotations of this start: 2 of 2
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bloom_267 (FC), Mimi_263 (FC), Racecar_265 (FC),

Start 5:
• Found in 4 of 7 (57.1%) of genes in pham
• No Manual Annotations of this start.
• Called 75.0% of time when present
• Phage (with cluster) where this start called: DunneganBoMo_268 (FC), KSunshine22_263 (FC), WaddleDee_269 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:
•Start number 4 was manually annotated 2 times for cluster FC.

Gene Information:

Gene: Bloom_267 Start: 164638, Stop: 165006, Start Num: 4
Candidate Starts for Bloom_267:
(Start: 4 @164638 has 2 MA's), (7, 164713), (8, 164725), (9, 164761), (12, 164965), (13, 164974),

Gene: DunneganBoMo_268 Start: 166957, Stop: 167322, Start Num: 5
Candidate Starts for DunneganBoMo_268:
(1, 166852), (2, 166891), (5, 166957), (6, 167005), (9, 167074),

Gene: KSunshine22_263 Start: 166073, Stop: 166438, Start Num: 5
Candidate Starts for KSunshine22_263:
(1, 165968), (2, 166007), (5, 166073), (6, 166121), (9, 166190), (13, 166406),

Gene: Mimi_263 Start: 164013, Stop: 164381, Start Num: 4
Candidate Starts for Mimi_263:
(Start: 4 @164013 has 2 MA's), (7, 164088), (8, 164100), (9, 164136), (12, 164340), (13, 164349),

Gene: Racecar_265 Start: 164392, Stop: 164760, Start Num: 4
Candidate Starts for Racecar_265:
(Start: 4 @164392 has 2 MA's), (7, 164467), (8, 164479), (9, 164515), (12, 164719), (13, 164728),

Gene: Rockabye_261 Start: 157436, Stop: 157819, Start Num: 3
Candidate Starts for Rockabye_261:
(3, 157436), (5, 157457), (10, 157673), (11, 157706),

Gene: WaddleDee_269 Start: 166490, Stop: 166855, Start Num: 5
Candidate Starts for WaddleDee_269:
(1, 166385), (2, 166424), (5, 166490), (6, 166538), (9, 166607),