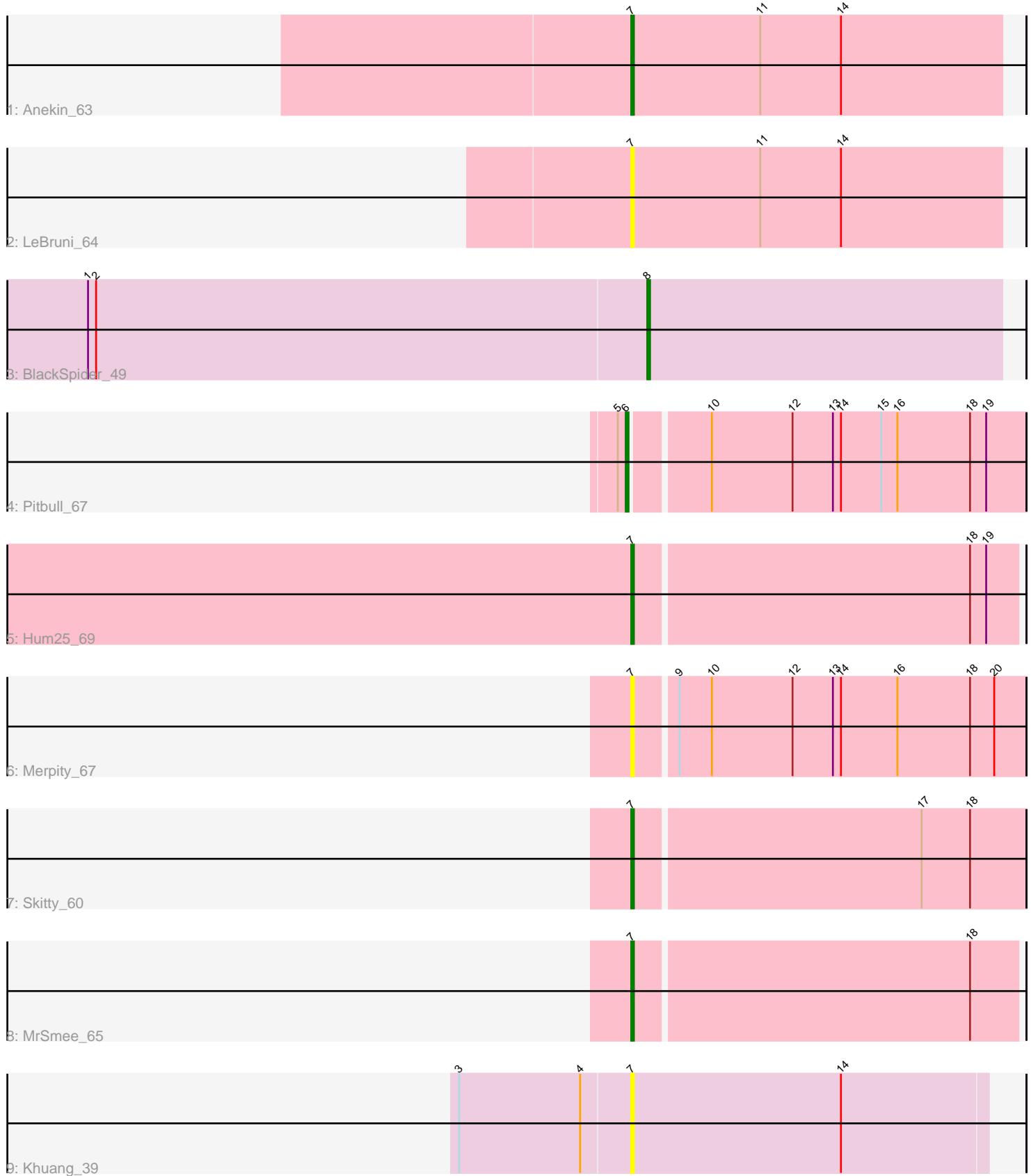


Pham 281163



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 281163 Report

This analysis was run 02/07/26 on database version 634.

Pham number 281163 has 9 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Anekin_63
- Track 2 : LeBruni_64
- Track 3 : BlackSpider_49
- Track 4 : Pitbull_67
- Track 5 : Hum25_69
- Track 6 : Merpity_67
- Track 7 : Skitty_60
- Track 8 : MrSmee_65
- Track 9 : Khuang_39

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

The start number called the most often in the published annotations is 7, it was called in 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Anekin_63, Hum25_69, Khuang_39, LeBruni_64, Merpity_67, MrSmee_65, Skitty_60,

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

-

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

- BlackSpider_49, Pitbull_67,

Summary by start number:

Start 6:

- Found in 1 of 9 (11.1%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Pitbull_67 (FQ),

Start 7:

- Found in 7 of 9 (77.8%) of genes in pham
- Manual Annotations of this start: 4 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anekin_63 (AY), Hum25_69 (FQ), Khuang_39 (FS), LeBruni_64 (AY), Merpity_67 (FQ), MrSmee_65 (FQ), Skitty_60 (FQ),

Start 8:

- Found in 1 of 9 (11.1%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BlackSpider_49 (FN),

Summary by clusters:

There are 4 clusters represented in this pham: AY, FQ, FS, FN,

Info for manual annotations of cluster AY:

- Start number 7 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster FN:

- Start number 8 was manually annotated 1 time for cluster FN.

Info for manual annotations of cluster FQ:

- Start number 6 was manually annotated 1 time for cluster FQ.
- Start number 7 was manually annotated 3 times for cluster FQ.

Gene Information:

Gene: Anekin_63 Start: 34902, Stop: 35039, Start Num: 7

Candidate Starts for Anekin_63:

(Start: 7 @34902 has 4 MA's), (11, 34950), (14, 34980),

Gene: BlackSpider_49 Start: 31161, Stop: 31292, Start Num: 8

Candidate Starts for BlackSpider_49:

(1, 30954), (2, 30957), (Start: 8 @31161 has 1 MA's),

Gene: Hum25_69 Start: 37651, Stop: 37791, Start Num: 7

Candidate Starts for Hum25_69:

(Start: 7 @37651 has 4 MA's), (18, 37774), (19, 37780),

Gene: Khuang_39 Start: 25888, Stop: 25757, Start Num: 7

Candidate Starts for Khuang_39:

(3, 25951), (4, 25906), (Start: 7 @25888 has 4 MA's), (14, 25810),

Gene: LeBruni_64 Start: 33844, Stop: 33981, Start Num: 7

Candidate Starts for LeBruni_64:

(Start: 7 @33844 has 4 MA's), (11, 33892), (14, 33922),

Gene: Merpity_67 Start: 37204, Stop: 37347, Start Num: 7

Candidate Starts for Merpity_67:

(Start: 7 @37204 has 4 MA's), (9, 37219), (10, 37231), (12, 37261), (13, 37276), (14, 37279), (16, 37300), (18, 37327), (20, 37336),

Gene: MrSmee_65 Start: 37015, Stop: 37155, Start Num: 7

Candidate Starts for MrSmee_65:

(Start: 7 @37015 has 4 MA's), (18, 37138),

Gene: Pitbull_67 Start: 37117, Stop: 37260, Start Num: 6

Candidate Starts for Pitbull_67:

(5, 37114), (Start: 6 @37117 has 1 MA's), (10, 37144), (12, 37174), (13, 37189), (14, 37192), (15, 37207), (16, 37213), (18, 37240), (19, 37246),

Gene: Skitty_60 Start: 35254, Stop: 35397, Start Num: 7

Candidate Starts for Skitty_60:

(Start: 7 @35254 has 4 MA's), (17, 35359), (18, 35377),