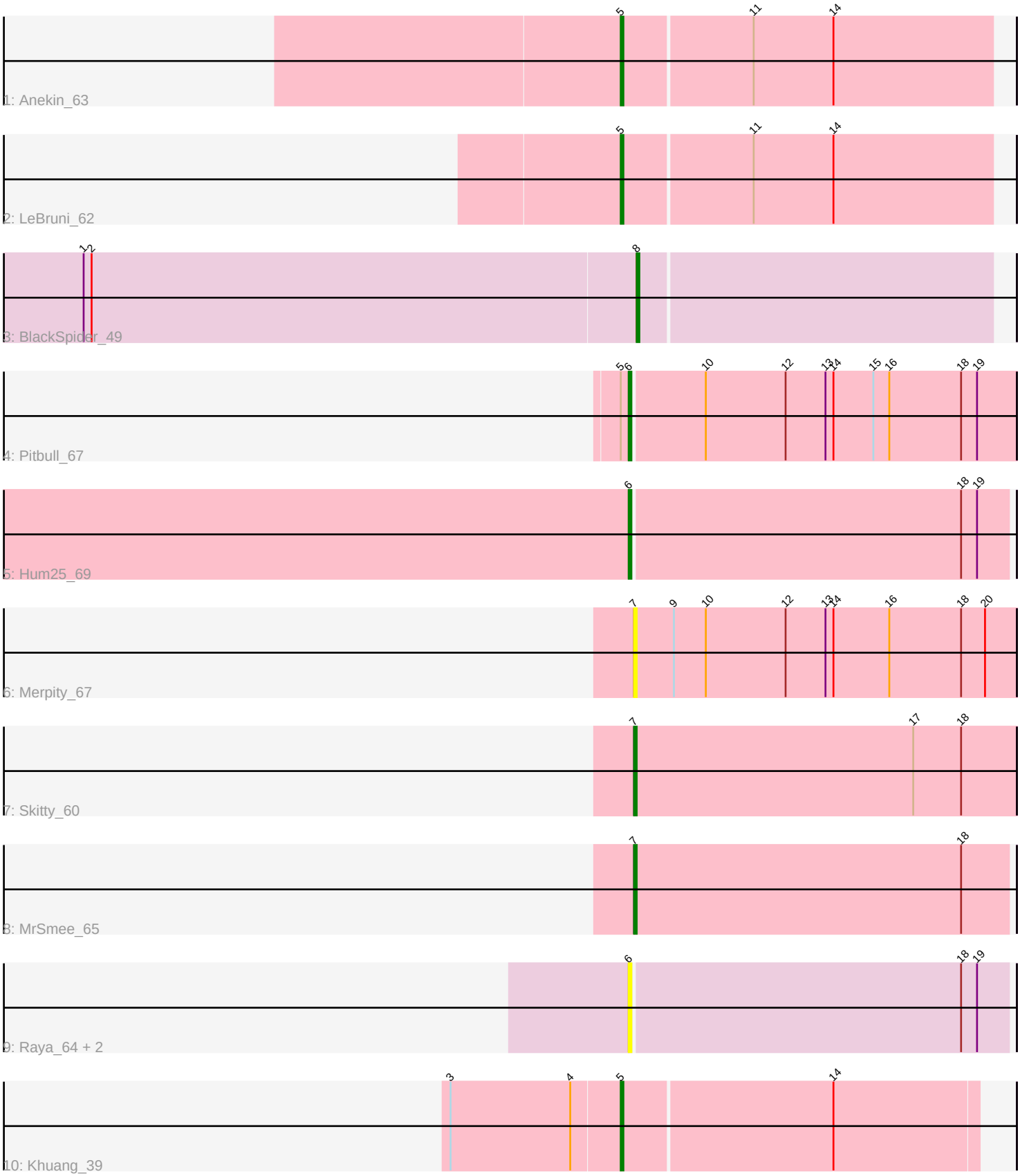
Pham 337278


5
11
14
1: Anekin_63
5
11
14
2: LeBruni_62
1
2
8
3: BlackSpider_49
5
6
10
12
13
14
15
16
18
19
4: Pitbull_67
6
18
19
5: Hum25_69
7
9
10
12
13
14
16
18
20
6: Merpity_67
7
17
18
7: Skitty_60
7
18
8: MrSmee_65
6
18
19
9: Raya_64 + 2
3
4
5
14
10: Khuang_39

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 337278 Report

This analysis was run 11/14/26 on database version 672.

Pham number 337278 has 12 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Anekin_63
• Track 2 : LeBruni_62
• 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 : Raya_64, Skyerus_59, Neroxid_64
• Track 10 : 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 5, it was called in 3 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Anekin_63, Khuang_39, LeBruni_62,

Genes that have the "Most Annotated" start but do not call it:
• Pitbull_67,

Genes that do not have the "Most Annotated" start:
• BlackSpider_49, Hum25_69, Merpity_67, MrSmee_65, Neroxid_64, Raya_64, Skitty_60, Skyerus_59,

Summary by start number:

Start 5:
• Found in 4 of 12 (33.3%) of genes in pham
• Manual Annotations of this start: 3 of 8
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Anekin_63 (AY), Khuang_39 (FS), LeBruni_62 (AY),

Start 6:
• Found in 5 of 12 (41.7%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hum25_69 (FQ1), Neroxid_64 (FQ2), Pitbull_67 (FQ1), Raya_64 (FQ2), Skyerus_59 (FQ2),

Start 7:
• Found in 3 of 12 (25.0%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Merpity_67 (FQ1), MrSmee_65 (FQ1), Skitty_60 (FQ1),

Start 8:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BlackSpider_49 (FN),

Summary by clusters:

There are 5 clusters represented in this pham: FQ2, AY, FQ1, FN, FS,

Info for manual annotations of cluster AY:
•Start number 5 was manually annotated 2 times 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 FQ1:
•Start number 6 was manually annotated 2 times for cluster FQ1.
•Start number 7 was manually annotated 2 times for cluster FQ1.

Info for manual annotations of cluster FS:
•Start number 5 was manually annotated 1 time for cluster FS.

Gene Information:

Gene: Anekin_63 Start: 34902, Stop: 35039, Start Num: 5
Candidate Starts for Anekin_63:
(Start: 5 @34902 has 3 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: 6
Candidate Starts for Hum25_69:

(Start: 6 @37651 has 2 MA's), (18, 37774), (19, 37780),

Gene: Khuang_39 Start: 25888, Stop: 25757, Start Num: 5
Candidate Starts for Khuang_39:
(3, 25951), (4, 25906), (Start: 5 @25888 has 3 MA's), (14, 25810),

Gene: LeBruni_62 Start: 33844, Stop: 33981, Start Num: 5
Candidate Starts for LeBruni_62:
(Start: 5 @33844 has 3 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 2 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 2 MA's), (18, 37138),

Gene: Neroxid_64 Start: 36143, Stop: 36283, Start Num: 6
Candidate Starts for Neroxid_64:
(Start: 6 @36143 has 2 MA's), (18, 36266), (19, 36272),

Gene: Pitbull_67 Start: 37117, Stop: 37260, Start Num: 6
Candidate Starts for Pitbull_67:
(Start: 5 @37114 has 3 MA's), (Start: 6 @37117 has 2 MA's), (10, 37144), (12, 37174), (13, 37189), (14, 37192), (15, 37207), (16, 37213), (18, 37240), (19, 37246),

Gene: Raya_64 Start: 36143, Stop: 36283, Start Num: 6
Candidate Starts for Raya_64:
(Start: 6 @36143 has 2 MA's), (18, 36266), (19, 36272),

Gene: Skitty_60 Start: 35254, Stop: 35397, Start Num: 7
Candidate Starts for Skitty_60:
(Start: 7 @35254 has 2 MA's), (17, 35359), (18, 35377),

Gene: Skyerus_59 Start: 34261, Stop: 34401, Start Num: 6
Candidate Starts for Skyerus_59:
(Start: 6 @34261 has 2 MA's), (18, 34384), (19, 34390),