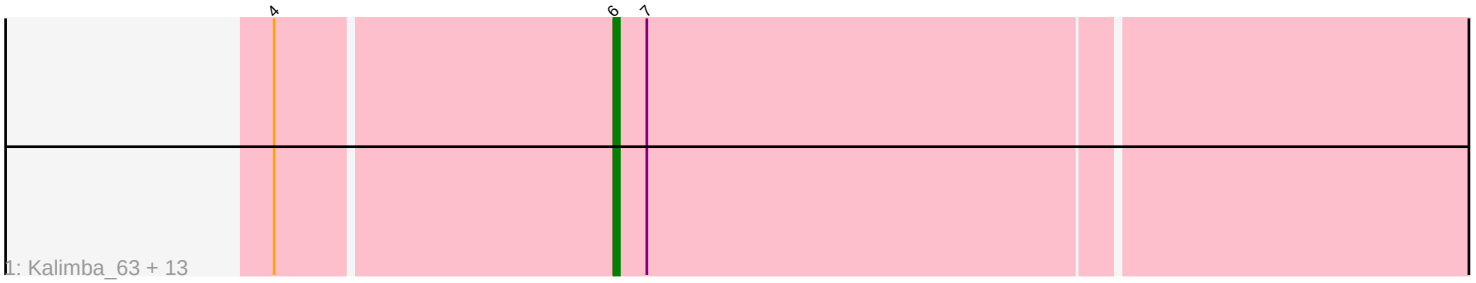
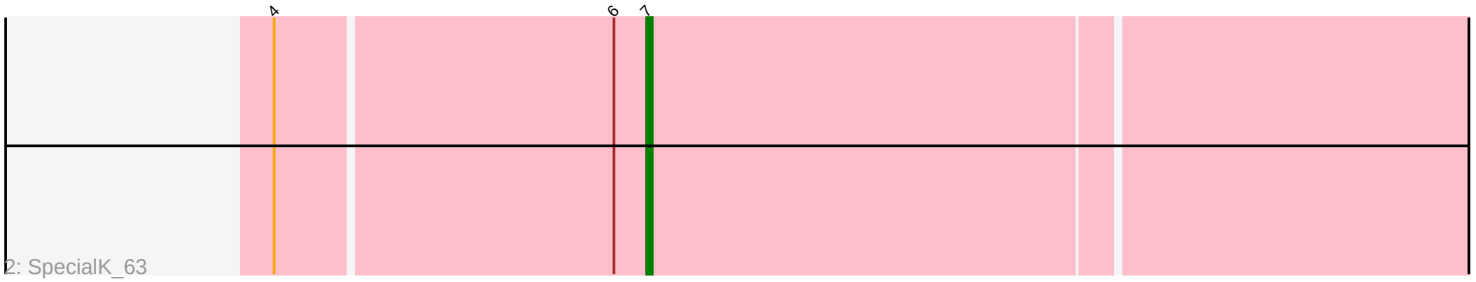
Pham 224940


4
6
7
1: Kalimba_63 + 13


4
6
7
2: SpecialK_63


1
2
5
9
3: Jankie_66


5
4: BaileyBlu_62


3
5
8
5: CallinAllBarbz_63

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 224940 Report

This analysis was run 03/28/25 on database version 593.

Pham number 224940 has 18 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Kalimba_63, Donkey_63, Stuu_70, Gambol_64, Cappuccino_63, Gumpizza_66, Sooty_63, Moss_63, Mysterium_62, Beaupre_66, Ashes_63, RockScotty_65, Halsey_63, Giorgio_66
• Track 2 : SpecialK_63
• Track 3 : Jankie_66
• Track 4 : BaileyBlu_62
• Track 5 : CallinAllBarbz_63

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 9 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ashes_63, Beaupre_66, Cappuccino_63, Donkey_63, Gambol_64, Giorgio_66, Gumpizza_66, Halsey_63, Kalimba_63, Moss_63, Mysterium_62, RockScotty_65, Sooty_63, Stuu_70,

Genes that have the "Most Annotated" start but do not call it:
• SpecialK_63,

Genes that do not have the "Most Annotated" start:
• BaileyBlu_62, CallinAllBarbz_63, Jankie_66,

Summary by start number:

Start 5:
• Found in 3 of 18 (16.7%) of genes in pham
• Manual Annotations of this start: 2 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BaileyBlu_62 (FP), CallinAllBarbz_63 (FP), Jankie_66 (FP),

Start 6:

• Found in 15 of 18 (83.3%) of genes in pham
• Manual Annotations of this start: 9 of 12
• Called 93.3% of time when present
• Phage (with cluster) where this start called: Ashes_63 (AZ5), Beaupre_66 (AZ5), Cappuccino_63 (AZ5), Donkey_63 (AZ5), Gambol_64 (AZ5), Giorgio_66 (AZ5), Gumpizza_66 (AZ5), Halsey_63 (AZ5), Kalimba_63 (AZ5), Moss_63 (AZ5), Mysterium_62 (AZ5), RockScotty_65 (AZ5), Sooty_63 (AZ5), Stuu_70 (AZ5),

Start 7:
• Found in 15 of 18 (83.3%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 6.7% of time when present
• Phage (with cluster) where this start called: SpecialK_63 (AZ5),

Summary by clusters:

There are 2 clusters represented in this pham: FP, AZ5,

Info for manual annotations of cluster AZ5:
•Start number 6 was manually annotated 9 times for cluster AZ5.
•Start number 7 was manually annotated 1 time for cluster AZ5.

Info for manual annotations of cluster FP:
•Start number 5 was manually annotated 2 times for cluster FP.

Gene Information:

Gene: Ashes_63 Start: 39865, Stop: 40107, Start Num: 6
Candidate Starts for Ashes_63:
(4, 39805), (Start: 6 @39865 has 9 MA's), (Start: 7 @39871 has 1 MA's),

Gene: BaileyBlu_62 Start: 39793, Stop: 40005, Start Num: 5
Candidate Starts for BaileyBlu_62:
(Start: 5 @39793 has 2 MA's),

Gene: Beaupre_66 Start: 39675, Stop: 39917, Start Num: 6
Candidate Starts for Beaupre_66:
(4, 39615), (Start: 6 @39675 has 9 MA's), (Start: 7 @39681 has 1 MA's),

Gene: CallinAllBarbz_63 Start: 40544, Stop: 40756, Start Num: 5
Candidate Starts for CallinAllBarbz_63:
(3, 40505), (Start: 5 @40544 has 2 MA's), (8, 40652),

Gene: Cappuccino_63 Start: 39745, Stop: 39987, Start Num: 6
Candidate Starts for Cappuccino_63:
(4, 39685), (Start: 6 @39745 has 9 MA's), (Start: 7 @39751 has 1 MA's),

Gene: Donkey_63 Start: 39735, Stop: 39977, Start Num: 6
Candidate Starts for Donkey_63:
(4, 39675), (Start: 6 @39735 has 9 MA's), (Start: 7 @39741 has 1 MA's),

Gene: Gambol_64 Start: 39755, Stop: 39997, Start Num: 6
Candidate Starts for Gambol_64:
(4, 39695), (Start: 6 @39755 has 9 MA's), (Start: 7 @39761 has 1 MA's),

Gene: Giorgio_66 Start: 39658, Stop: 39900, Start Num: 6
Candidate Starts for Giorgio_66:
(4, 39598), (Start: 6 @39658 has 9 MA's), (Start: 7 @39664 has 1 MA's),

Gene: Gumpizza_66 Start: 39614, Stop: 39856, Start Num: 6
Candidate Starts for Gumpizza_66:
(4, 39554), (Start: 6 @39614 has 9 MA's), (Start: 7 @39620 has 1 MA's),

Gene: Halsey_63 Start: 39841, Stop: 40083, Start Num: 6
Candidate Starts for Halsey_63:
(4, 39781), (Start: 6 @39841 has 9 MA's), (Start: 7 @39847 has 1 MA's),

Gene: Jankie_66 Start: 41079, Stop: 41288, Start Num: 5
Candidate Starts for Jankie_66:
(1, 41004), (2, 41022), (Start: 5 @41079 has 2 MA's), (9, 41232),

Gene: Kalimba_63 Start: 39732, Stop: 39974, Start Num: 6
Candidate Starts for Kalimba_63:
(4, 39672), (Start: 6 @39732 has 9 MA's), (Start: 7 @39738 has 1 MA's),

Gene: Moss_63 Start: 39802, Stop: 40044, Start Num: 6
Candidate Starts for Moss_63:
(4, 39742), (Start: 6 @39802 has 9 MA's), (Start: 7 @39808 has 1 MA's),

Gene: Mysterium_62 Start: 39643, Stop: 39885, Start Num: 6
Candidate Starts for Mysterium_62:
(4, 39583), (Start: 6 @39643 has 9 MA's), (Start: 7 @39649 has 1 MA's),

Gene: RockScotty_65 Start: 39638, Stop: 39880, Start Num: 6
Candidate Starts for RockScotty_65:
(4, 39578), (Start: 6 @39638 has 9 MA's), (Start: 7 @39644 has 1 MA's),

Gene: Sooty_63 Start: 39748, Stop: 39990, Start Num: 6
Candidate Starts for Sooty_63:
(4, 39688), (Start: 6 @39748 has 9 MA's), (Start: 7 @39754 has 1 MA's),

Gene: SpecialK_63 Start: 39717, Stop: 39953, Start Num: 7
Candidate Starts for SpecialK_63:
(4, 39651), (Start: 6 @39711 has 9 MA's), (Start: 7 @39717 has 1 MA's),

Gene: Stuu_70 Start: 39820, Stop: 40062, Start Num: 6
Candidate Starts for Stuu_70:
(4, 39760), (Start: 6 @39820 has 9 MA's), (Start: 7 @39826 has 1 MA's),