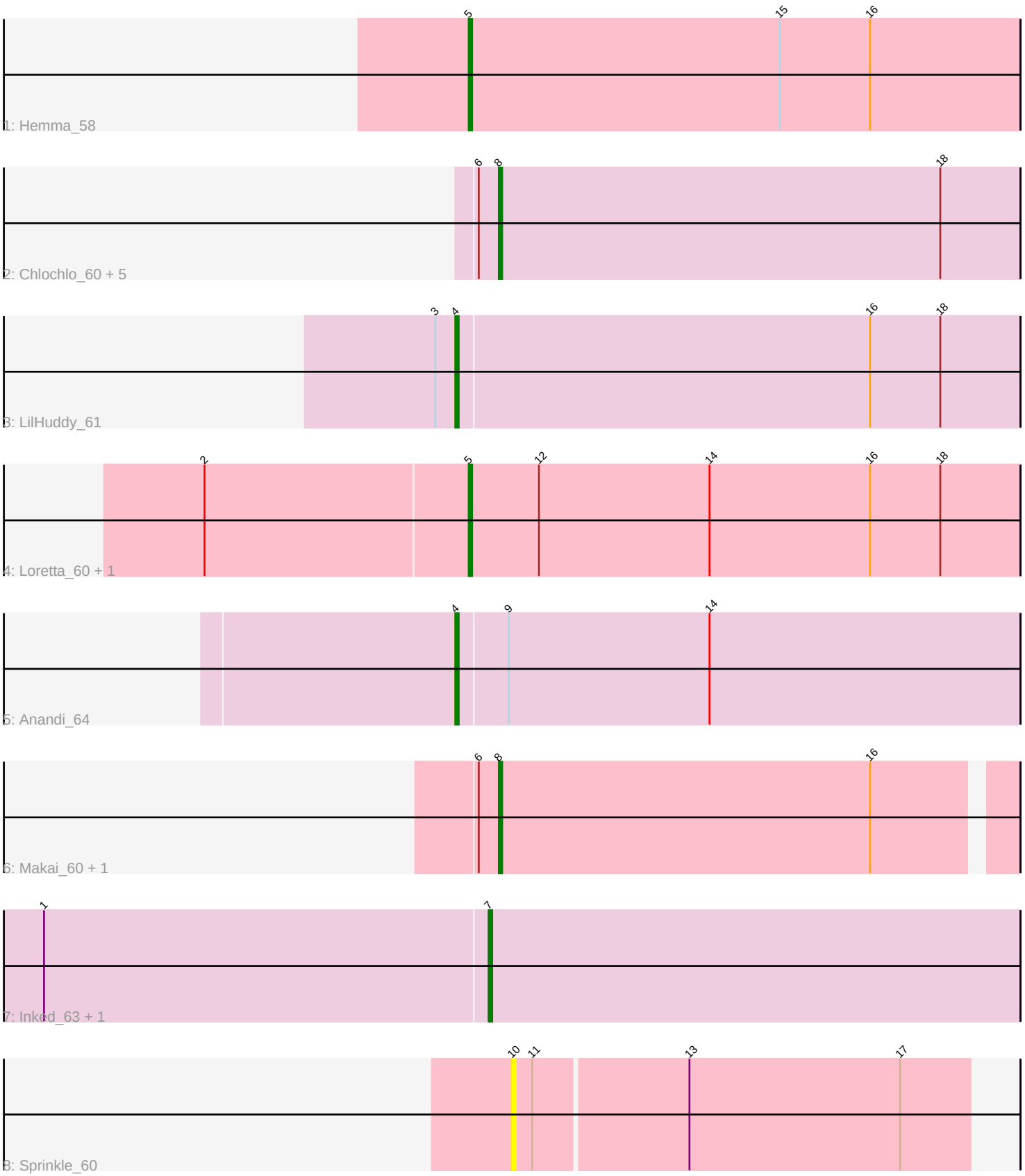
Pham 348125


5
15
16
1: Hemma_58
6
8
18
2: Chlochlo_60 + 5
3
4
16
18
3: LilHuddy_61
2
5
12
14
16
18
4: Loretta_60 + 1
4
9
14
5: Anandi_64
6
8
16
6: Makai_60 + 1
1
7
7: Inked_63 + 1
10
11
13
17
8: Sprinkle_60

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 348125 Report

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

Pham number 348125 has 16 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Hemma_58
• Track 2 : Chlochlo_60, Tipton_62, Shepard_62, Bouchard_60, Tokki_65, Phaby_62
• Track 3 : LilHuddy_61
• Track 4 : Loretta_60, Ingrid_63
• Track 5 : Anandi_64
• Track 6 : Makai_60, Truckee_58
• Track 7 : Inked_63, Zippen_62
• Track 8 : Sprinkle_60

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 8 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bouchard_60, Chlochlo_60, Makai_60, Phaby_62, Shepard_62, Tipton_62, Tokki_65, Truckee_58,

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

Genes that do not have the "Most Annotated" start:
• Anandi_64, Hemma_58, Ingrid_63, Inked_63, LilHuddy_61, Loretta_60, Sprinkle_60, Zippen_62,

Summary by start number:

Start 4:
• Found in 2 of 16 (12.5%) of genes in pham
• Manual Annotations of this start: 2 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anandi_64 (AU4), LilHuddy_61 (AU2),

Start 5:

• Found in 3 of 16 (18.8%) of genes in pham
• Manual Annotations of this start: 3 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hemma_58 (AU1), Ingrid_63 (AU3), Loretta_60 (AU3),

Start 7:
• Found in 2 of 16 (12.5%) of genes in pham
• Manual Annotations of this start: 2 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Inked_63 (AU7), Zippen_62 (AU7),

Start 8:
• Found in 8 of 16 (50.0%) of genes in pham
• Manual Annotations of this start: 8 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bouchard_60 (AU2), Chlochlo_60 (AU2), Makai_60 (AU5), Phaby_62 (AU2), Shepard_62 (AU2), Tipton_62 (AU2), Tokki_65 (AU2), Truckee_58 (AU5),

Start 10:
• Found in 1 of 16 (6.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sprinkle_60 (AW),

Summary by clusters:

There are 7 clusters represented in this pham: AW, AU1, AU3, AU2, AU5, AU4, AU7,

Info for manual annotations of cluster AU1:
•Start number 5 was manually annotated 1 time for cluster AU1.

Info for manual annotations of cluster AU2:
•Start number 4 was manually annotated 1 time for cluster AU2.
•Start number 8 was manually annotated 6 times for cluster AU2.

Info for manual annotations of cluster AU3:
•Start number 5 was manually annotated 2 times for cluster AU3.

Info for manual annotations of cluster AU4:
•Start number 4 was manually annotated 1 time for cluster AU4.

Info for manual annotations of cluster AU5:
•Start number 8 was manually annotated 2 times for cluster AU5.

Info for manual annotations of cluster AU7:
•Start number 7 was manually annotated 2 times for cluster AU7.

Gene Information:

Gene: Anandi_64 Start: 43194, Stop: 43361, Start Num: 4
Candidate Starts for Anandi_64:
(Start: 4 @43194 has 2 MA's), (9, 43209), (14, 43269),

Gene: Bouchard_60 Start: 43121, Stop: 43276, Start Num: 8
Candidate Starts for Bouchard_60:
(6, 43115), (Start: 8 @43121 has 8 MA's), (18, 43253),

Gene: Chlochlo_60 Start: 42647, Stop: 42802, Start Num: 8
Candidate Starts for Chlochlo_60:
(6, 42641), (Start: 8 @42647 has 8 MA's), (18, 42779),

Gene: Hemma_58 Start: 39719, Stop: 39883, Start Num: 5
Candidate Starts for Hemma_58:
(Start: 5 @39719 has 3 MA's), (15, 39812), (16, 39839),

Gene: Ingrid_63 Start: 42949, Stop: 43113, Start Num: 5
Candidate Starts for Ingrid_63:
(2, 42871), (Start: 5 @42949 has 3 MA's), (12, 42970), (14, 43021), (16, 43069), (18, 43090),

Gene: Inked_63 Start: 43912, Stop: 44070, Start Num: 7
Candidate Starts for Inked_63:
(1, 43780), (Start: 7 @43912 has 2 MA's),

Gene: LilHuddy_61 Start: 42935, Stop: 43102, Start Num: 4
Candidate Starts for LilHuddy_61:
(3, 42929), (Start: 4 @42935 has 2 MA's), (16, 43058), (18, 43079),

Gene: Loretta_60 Start: 42949, Stop: 43113, Start Num: 5
Candidate Starts for Loretta_60:
(2, 42871), (Start: 5 @42949 has 3 MA's), (12, 42970), (14, 43021), (16, 43069), (18, 43090),

Gene: Makai_60 Start: 43038, Stop: 43187, Start Num: 8
Candidate Starts for Makai_60:
(6, 43032), (Start: 8 @43038 has 8 MA's), (16, 43149),

Gene: Phaby_62 Start: 43553, Stop: 43708, Start Num: 8
Candidate Starts for Phaby_62:
(6, 43547), (Start: 8 @43553 has 8 MA's), (18, 43685),

Gene: Shepard_62 Start: 42806, Stop: 42961, Start Num: 8
Candidate Starts for Shepard_62:
(6, 42800), (Start: 8 @42806 has 8 MA's), (18, 42938),

Gene: Sprinkle_60 Start: 41394, Stop: 41528, Start Num: 10
Candidate Starts for Sprinkle_60:
(10, 41394), (11, 41400), (13, 41445), (17, 41508),

Gene: Tipton_62 Start: 43327, Stop: 43482, Start Num: 8
Candidate Starts for Tipton_62:
(6, 43321), (Start: 8 @43327 has 8 MA's), (18, 43459),

Gene: Tokki_65 Start: 43157, Stop: 43312, Start Num: 8

Candidate Starts for Tokki_65:
(6, 43151), (Start: 8 @43157 has 8 MA's), (18, 43289),

Gene: Truckee_58 Start: 42828, Stop: 42977, Start Num: 8
Candidate Starts for Truckee_58:
(6, 42822), (Start: 8 @42828 has 8 MA's), (16, 42939),

Gene: Zippen_62 Start: 43612, Stop: 43770, Start Num: 7
Candidate Starts for Zippen_62:
(1, 43480), (Start: 7 @43612 has 2 MA's),