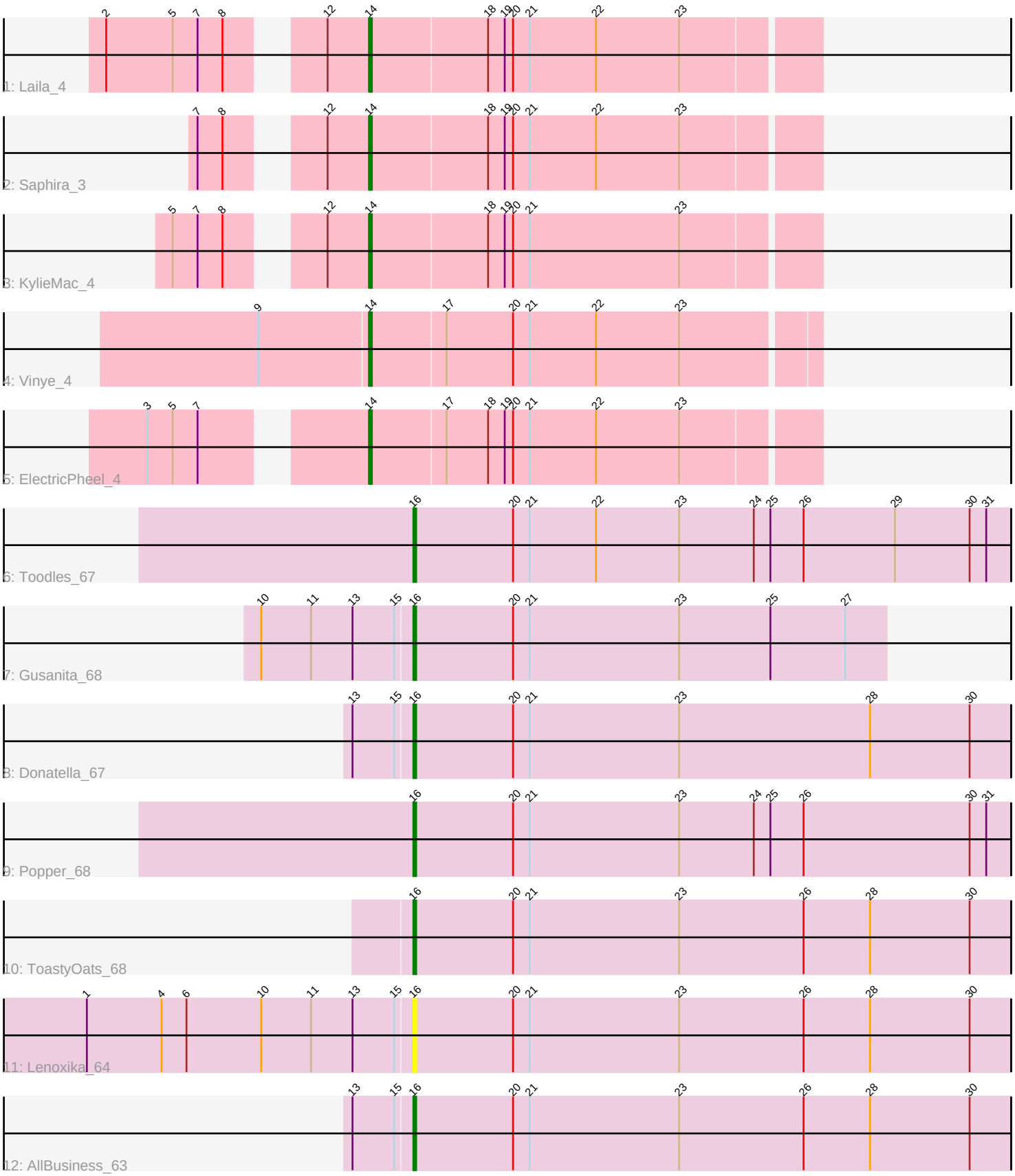
Pham 348199


1: Laila_4
2: Saphira_3
3: KylieMac_4
4: Vinye_4
5: ElectricPheel_4
6: Toodles_67
7: Gusanita_68
8: Donatella_67
9: Popper_68
10: ToastyOats_68
11: Lenoxika_64
12: AllBusiness_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 348199 Report

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

Pham number 348199 has 12 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Laila_4
• Track 2 : Saphira_3
• Track 3 : KylieMac_4
• Track 4 : Vinye_4
• Track 5 : ElectricPheel_4
• Track 6 : Toodles_67
• Track 7 : Gusanita_68
• Track 8 : Donatella_67
• Track 9 : Popper_68
• Track 10 : ToastyOats_68
• Track 11 : Lenoxika_64
• Track 12 : AllBusiness_63

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

The start number called the most often in the published annotations is 16, it was called in 6 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AllBusiness_63, Donatella_67, Gusanita_68, Lenoxika_64, Popper_68, ToastyOats_68, Toodles_67,

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

Genes that do not have the "Most Annotated" start:
• ElectricPheel_4, KylieMac_4, Laila_4, Saphira_3, Vinye_4,

Summary by start number:

Start 14:
• Found in 5 of 12 (41.7%) of genes in pham
• Manual Annotations of this start: 5 of 11
• Called 100.0% of time when present

• Phage (with cluster) where this start called: ElectricPheel_4 (AN), KylieMac_4 (AN), Laila_4 (AN), Saphira_3 (AN), Vinye_4 (AN),

Start 16:
• Found in 7 of 12 (58.3%) of genes in pham
• Manual Annotations of this start: 6 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AllBusiness_63 (FF), Donatella_67 (FF), Gusanita_68 (FF), Lenoxika_64 (FF), Popper_68 (FF), ToastyOats_68 (FF), Toodles_67 (FF),

Summary by clusters:

There are 2 clusters represented in this pham: FF, AN,

Info for manual annotations of cluster AN:
•Start number 14 was manually annotated 5 times for cluster AN.

Info for manual annotations of cluster FF:
•Start number 16 was manually annotated 6 times for cluster FF.

Gene Information:

Gene: AllBusiness_63 Start: 42196, Stop: 42411, Start Num: 16
Candidate Starts for AllBusiness_63:
(13, 42175), (15, 42190), (Start: 16 @42196 has 6 MA's), (20, 42232), (21, 42238), (23, 42292), (26, 42337), (28, 42361), (30, 42397),

Gene: Donatella_67 Start: 41607, Stop: 41822, Start Num: 16
Candidate Starts for Donatella_67:
(13, 41586), (15, 41601), (Start: 16 @41607 has 6 MA's), (20, 41643), (21, 41649), (23, 41703), (28, 41772), (30, 41808),

Gene: ElectricPheel_4 Start: 722, Stop: 880, Start Num: 14
Candidate Starts for ElectricPheel_4:
(3, 656), (5, 665), (7, 674), (Start: 14 @722 has 5 MA's), (17, 749), (18, 764), (19, 770), (20, 773), (21, 779), (22, 803), (23, 833),

Gene: Gusanita_68 Start: 41807, Stop: 41977, Start Num: 16
Candidate Starts for Gusanita_68:
(10, 41753), (11, 41771), (13, 41786), (15, 41801), (Start: 16 @41807 has 6 MA's), (20, 41843), (21, 41849), (23, 41903), (25, 41936), (27, 41963),

Gene: KylieMac_4 Start: 635, Stop: 793, Start Num: 14
Candidate Starts for KylieMac_4:
(5, 578), (7, 587), (8, 596), (12, 620), (Start: 14 @635 has 5 MA's), (18, 677), (19, 683), (20, 686), (21, 692), (23, 746),

Gene: Laila_4 Start: 648, Stop: 806, Start Num: 14
Candidate Starts for Laila_4:

(2, 567), (5, 591), (7, 600), (8, 609), (12, 633), (Start: 14 @648 has 5 MA's), (18, 690), (19, 696), (20, 699), (21, 705), (22, 729), (23, 759),

Gene: Lenoxika_64 Start: 40899, Stop: 41114, Start Num: 16
Candidate Starts for Lenoxika_64:
(1, 40782), (4, 40809), (6, 40818), (10, 40845), (11, 40863), (13, 40878), (15, 40893), (Start: 16 @40899 has 6 MA's), (20, 40935), (21, 40941), (23, 40995), (26, 41040), (28, 41064), (30, 41100),

Gene: Popper_68 Start: 40866, Stop: 41081, Start Num: 16
Candidate Starts for Popper_68:
(Start: 16 @40866 has 6 MA's), (20, 40902), (21, 40908), (23, 40962), (24, 40989), (25, 40995), (26, 41007), (30, 41067), (31, 41073),

Gene: Saphira_3 Start: 648, Stop: 806, Start Num: 14
Candidate Starts for Saphira_3:
(7, 600), (8, 609), (12, 633), (Start: 14 @648 has 5 MA's), (18, 690), (19, 696), (20, 699), (21, 705), (22, 729), (23, 759),

Gene: ToastyOats_68 Start: 41269, Stop: 41484, Start Num: 16
Candidate Starts for ToastyOats_68:
(Start: 16 @41269 has 6 MA's), (20, 41305), (21, 41311), (23, 41365), (26, 41410), (28, 41434), (30, 41470),

Gene: Toodles_67 Start: 41952, Stop: 42167, Start Num: 16
Candidate Starts for Toodles_67:
(Start: 16 @41952 has 6 MA's), (20, 41988), (21, 41994), (22, 42018), (23, 42048), (24, 42075), (25, 42081), (26, 42093), (29, 42126), (30, 42153), (31, 42159),

Gene: Vinye_4 Start: 644, Stop: 802, Start Num: 14
Candidate Starts for Vinye_4:
(9, 605), (Start: 14 @644 has 5 MA's), (17, 671), (20, 695), (21, 701), (22, 725), (23, 755),