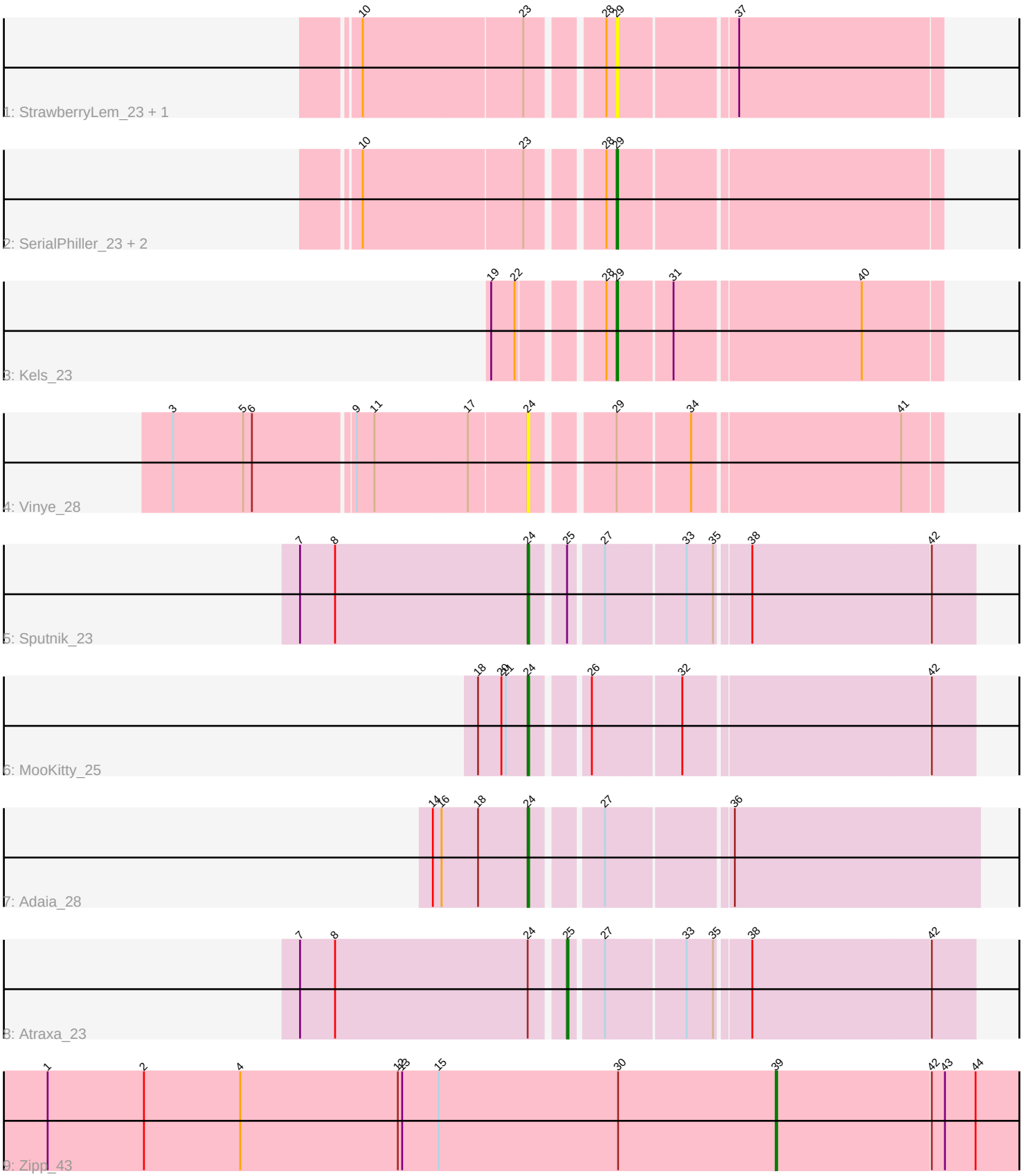
Pham 281058


1: StrawberryLem_23 + 1
2: SerialPhiller_23 + 2
3: Kels_23
4: Vinye_28
5: Sputnik_23
6: MooKitty_25
7: Adaia_28
8: Atraxa_23
9: Zipp_43

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 281058 Report

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

Pham number 281058 has 12 members, 4 are drafts.

Phages represented in each track:
• Track 1 : StrawberryLem_23, Ximeno_23
• Track 2 : SerialPhiller_23, Eyoseyas_23, Arielagos_23
• Track 3 : Kels_23
• Track 4 : Vinye_28
• Track 5 : Sputnik_23
• Track 6 : MooKitty_25
• Track 7 : Adaia_28
• Track 8 : Atraxa_23
• Track 9 : Zipp_43

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

The start number called the most often in the published annotations is 29, it was called in 3 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Arielagos_23, Eyoseyas_23, Kels_23, SerialPhiller_23, StrawberryLem_23, Ximeno_23,

Genes that have the "Most Annotated" start but do not call it:
• Vinye_28,

Genes that do not have the "Most Annotated" start:
• Adaia_28, Atraxa_23, MooKitty_25, Sputnik_23, Zipp_43,

Summary by start number:

Start 24:
• Found in 5 of 12 (41.7%) of genes in pham
• Manual Annotations of this start: 3 of 8
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Adaia_28 (AX), MooKitty_25 (AX), Sputnik_23 (AX), Vinye_28 (AN),

Start 25:
• Found in 2 of 12 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Atraxa_23 (AX),

Start 29:
• Found in 7 of 12 (58.3%) of genes in pham
• Manual Annotations of this start: 3 of 8
• Called 85.7% of time when present
• Phage (with cluster) where this start called: Arielagos_23 (AN), Eyoseyas_23 (AN), Kels_23 (AN), SerialPhiller_23 (AN), StrawberryLem_23 (AN), Ximeno_23 (AN),

Start 39:
• 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: Zipp_43 (DE4),

Summary by clusters:

There are 3 clusters represented in this pham: AX, DE4, AN,

Info for manual annotations of cluster AN:
•Start number 29 was manually annotated 3 times for cluster AN.

Info for manual annotations of cluster AX:
•Start number 24 was manually annotated 3 times for cluster AX.
•Start number 25 was manually annotated 1 time for cluster AX.

Info for manual annotations of cluster DE4:
•Start number 39 was manually annotated 1 time for cluster DE4.

Gene Information:

Gene: Adaia_28 Start: 15533, Stop: 15820, Start Num: 24
Candidate Starts for Adaia_28:
(14, 15470), (16, 15476), (18, 15500), (Start: 24 @15533 has 3 MA's), (27, 15575), (36, 15653),

Gene: Arielagos_23 Start: 15059, Stop: 15271, Start Num: 29
Candidate Starts for Arielagos_23:
(10, 14903), (23, 15008), (28, 15053), (Start: 29 @15059 has 3 MA's),

Gene: Atraxa_23 Start: 14644, Stop: 14904, Start Num: 25
Candidate Starts for Atraxa_23:
(7, 14467), (8, 14491), (Start: 24 @14623 has 3 MA's), (Start: 25 @14644 has 1 MA's), (27, 14665), (33, 14716), (35, 14734), (38, 14755), (42, 14875),

Gene: Eyoseyas_23 Start: 15059, Stop: 15271, Start Num: 29
Candidate Starts for Eyoseyas_23:
(10, 14903), (23, 15008), (28, 15053), (Start: 29 @15059 has 3 MA's),

Gene: Kels_23 Start: 14592, Stop: 14804, Start Num: 29
Candidate Starts for Kels_23:
(19, 14523), (22, 14538), (28, 14586), (Start: 29 @14592 has 3 MA's), (31, 14628), (40, 14751),

Gene: MooKitty_25 Start: 15668, Stop: 15949, Start Num: 24
Candidate Starts for MooKitty_25:
(18, 15635), (20, 15650), (21, 15653), (Start: 24 @15668 has 3 MA's), (26, 15701), (32, 15758), (42, 15920),

Gene: SerialPhiller_23 Start: 15059, Stop: 15271, Start Num: 29
Candidate Starts for SerialPhiller_23:
(10, 14903), (23, 15008), (28, 15053), (Start: 29 @15059 has 3 MA's),

Gene: Sputnik_23 Start: 14623, Stop: 14904, Start Num: 24
Candidate Starts for Sputnik_23:
(7, 14467), (8, 14491), (Start: 24 @14623 has 3 MA's), (Start: 25 @14644 has 1 MA's), (27, 14665), (33, 14716), (35, 14734), (38, 14755), (42, 14875),

Gene: StrawberryLem_23 Start: 14969, Stop: 15181, Start Num: 29
Candidate Starts for StrawberryLem_23:
(10, 14813), (23, 14918), (28, 14963), (Start: 29 @14969 has 3 MA's), (37, 15044),

Gene: Vinye_28 Start: 15707, Stop: 15967, Start Num: 24
Candidate Starts for Vinye_28:
(3, 15473), (5, 15521), (6, 15527), (9, 15593), (11, 15605), (17, 15668), (Start: 24 @15707 has 3 MA's), (Start: 29 @15755 has 3 MA's), (34, 15803), (41, 15941),

Gene: Ximeno_23 Start: 15057, Stop: 15269, Start Num: 29
Candidate Starts for Ximeno_23:
(10, 14901), (23, 15006), (28, 15051), (Start: 29 @15057 has 3 MA's), (37, 15132),

Gene: Zipp_43 Start: 39758, Stop: 39973, Start Num: 39
Candidate Starts for Zipp_43:
(1, 39260), (2, 39326), (4, 39392), (12, 39500), (13, 39503), (15, 39527), (30, 39650), (Start: 39 @39758 has 1 MA's), (42, 39860), (43, 39869), (44, 39890),