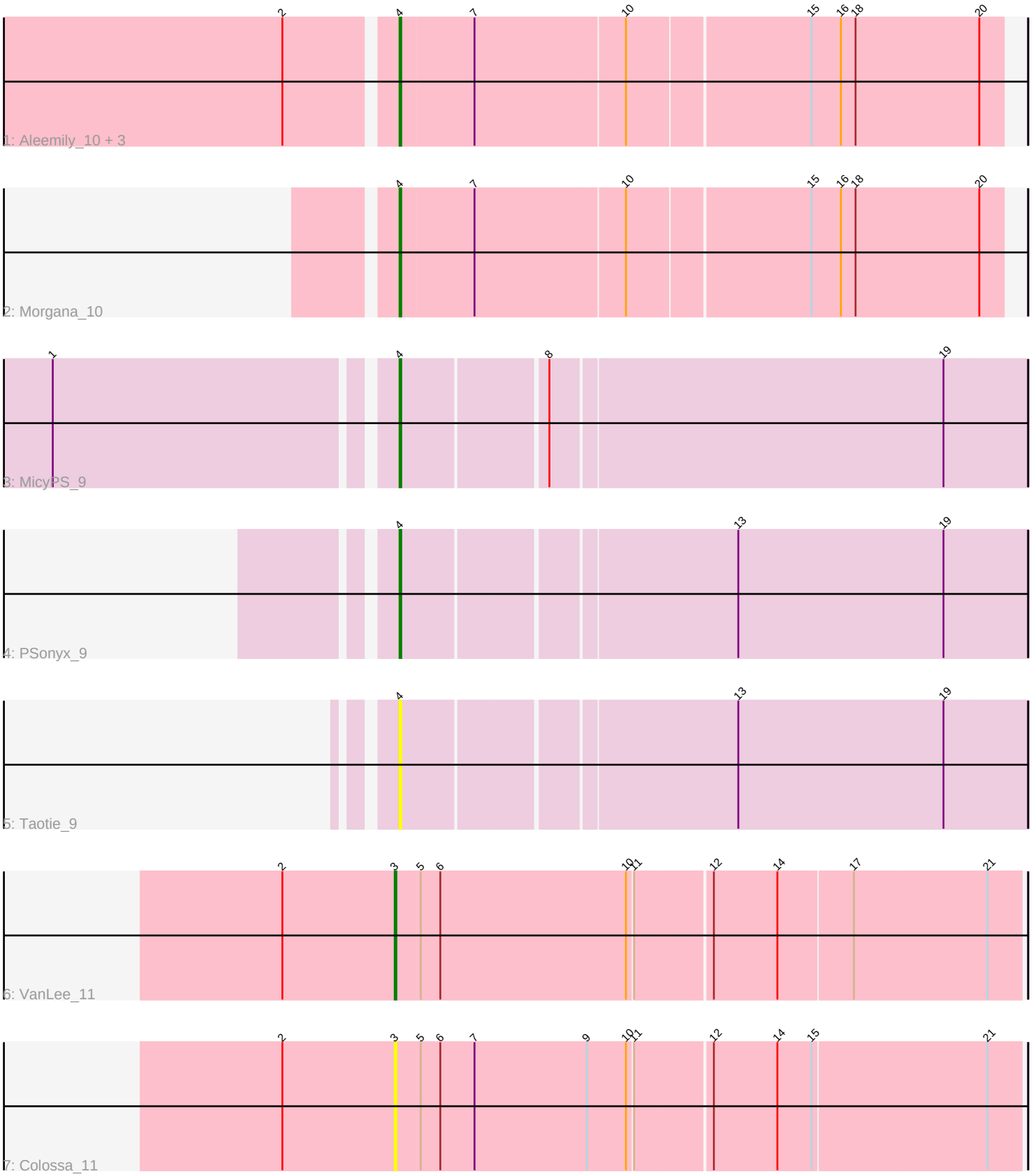
Pham 291748


2
4
7
10
15
16
18
20
1: Aleemily_10 + 3
4
7
10
15
16
18
20
2: Morgana_10
1
4
8
19
3: MicyPS_9
4
13
19
4: PSonyx_9
4
13
19
5: Taotie_9
2
3
5
6
10
11
12
14
17
21
6: VanLee_11
2
3
5
6
7
9
10
11
12
14
15
21
7: Colossa_11

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 291748 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291748 has 10 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Aleemily_10, ObLaDi_10, ModicumRichard_10, Cafasso_10
• Track 2 : Morgana_10
• Track 3 : MicyPS_9
• Track 4 : PSonyx_9
• Track 5 : Taotie_9
• Track 6 : VanLee_11
• Track 7 : Colossa_11

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

The start number called the most often in the published annotations is 4, it was called in 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aleemily_10, Cafasso_10, MicyPS_9, ModicumRichard_10, Morgana_10, ObLaDi_10, PSonyx_9, Taotie_9,

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

Genes that do not have the "Most Annotated" start:
• Colossa_11, VanLee_11,

Summary by start number:

Start 3:
• Found in 2 of 10 (20.0%) 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: Colossa_11 (KA), VanLee_11 (KA),

Start 4:
• Found in 8 of 10 (80.0%) of genes in pham
• Manual Annotations of this start: 7 of 8

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aleemily_10 (DZ), Cafasso_10 (DZ), MicyPS_9 (EQ), ModicumRichard_10 (DZ), Morgana_10 (DZ), ObLaDi_10 (DZ), PSonyx_9 (EQ), Taotie_9 (EQ),

Summary by clusters:

There are 3 clusters represented in this pham: EQ, KA, DZ,

Info for manual annotations of cluster DZ:
•Start number 4 was manually annotated 5 times for cluster DZ.

Info for manual annotations of cluster EQ:
•Start number 4 was manually annotated 2 times for cluster EQ.

Info for manual annotations of cluster KA:
•Start number 3 was manually annotated 1 time for cluster KA.

Gene Information:

Gene: Aleemily_10 Start: 7738, Stop: 8097, Start Num: 4
Candidate Starts for Aleemily_10:
(2, 7675), (Start: 4 @7738 has 7 MA's), (7, 7783), (10, 7873), (15, 7981), (16, 7999), (18, 8008), (20, 8083),

Gene: Cafasso_10 Start: 7738, Stop: 8097, Start Num: 4
Candidate Starts for Cafasso_10:
(2, 7675), (Start: 4 @7738 has 7 MA's), (7, 7783), (10, 7873), (15, 7981), (16, 7999), (18, 8008), (20, 8083),

Gene: Colossa_11 Start: 7622, Stop: 7996, Start Num: 3
Candidate Starts for Colossa_11:
(2, 7553), (Start: 3 @7622 has 1 MA's), (5, 7637), (6, 7649), (7, 7670), (9, 7739), (10, 7763), (11, 7766), (12, 7811), (14, 7850), (15, 7871), (21, 7976),

Gene: MicyPS_9 Start: 7562, Stop: 7933, Start Num: 4
Candidate Starts for MicyPS_9:
(1, 7364), (Start: 4 @7562 has 7 MA's), (8, 7646), (19, 7883),

Gene: ModicumRichard_10 Start: 7738, Stop: 8097, Start Num: 4
Candidate Starts for ModicumRichard_10:
(2, 7675), (Start: 4 @7738 has 7 MA's), (7, 7783), (10, 7873), (15, 7981), (16, 7999), (18, 8008), (20, 8083),

Gene: Morgana_10 Start: 7742, Stop: 8101, Start Num: 4
Candidate Starts for Morgana_10:
(Start: 4 @7742 has 7 MA's), (7, 7787), (10, 7877), (15, 7985), (16, 8003), (18, 8012), (20, 8087),

Gene: ObLaDi_10 Start: 7738, Stop: 8097, Start Num: 4
Candidate Starts for ObLaDi_10:

(2, 7675), (Start: 4 @7738 has 7 MA's), (7, 7783), (10, 7873), (15, 7981), (16, 7999), (18, 8008), (20, 8083),

Gene: PSonyx_9 Start: 7709, Stop: 8080, Start Num: 4
Candidate Starts for PSonyx_9:
(Start: 4 @7709 has 7 MA's), (13, 7904), (19, 8030),

Gene: Taotie_9 Start: 8606, Stop: 8977, Start Num: 4
Candidate Starts for Taotie_9:
(Start: 4 @8606 has 7 MA's), (13, 8801), (19, 8927),

Gene: VanLee_11 Start: 7616, Stop: 7990, Start Num: 3
Candidate Starts for VanLee_11:
(2, 7547), (Start: 3 @7616 has 1 MA's), (5, 7631), (6, 7643), (10, 7757), (11, 7760), (12, 7805), (14, 7844), (17, 7889), (21, 7970),