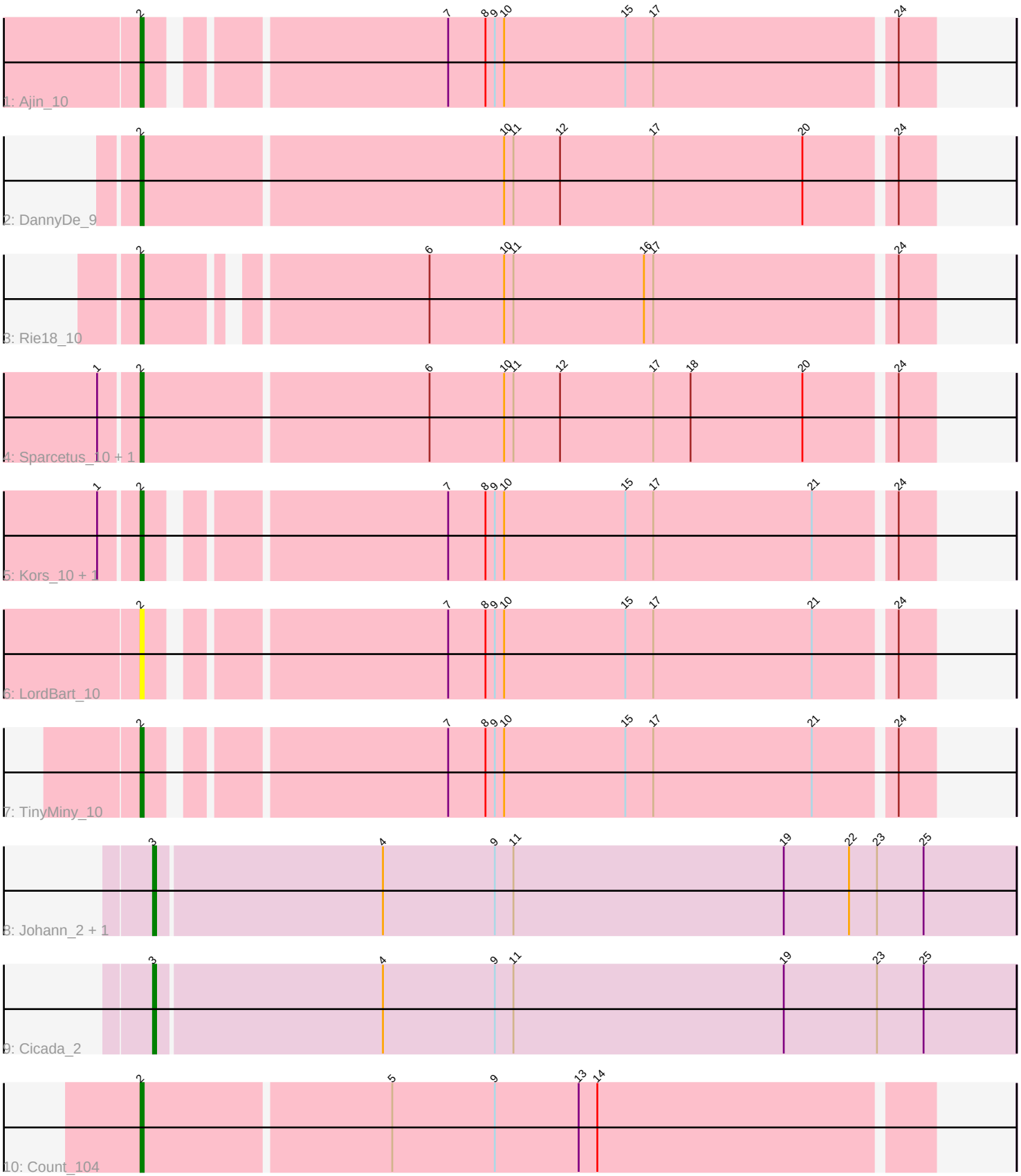
Pham 220275


1: Ajin_10
2: DannyDe_9
3: Rie18_10
4: Sparcetus_10 + 1
5: Kors_10 + 1
6: LordBart_10
7: TinyMiny_10
8: Johann_2 + 1
9: Cicada_2
10: Count_104

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 220275 Report

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

Pham number 220275 has 13 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Ajin_10
• Track 2 : DannyDe_9
• Track 3 : Rie18_10
• Track 4 : Sparcetus_10, Bramble_10
• Track 5 : Kors_10, RikSengupta_10
• Track 6 : LordBart_10
• Track 7 : TinyMiny_10
• Track 8 : Johann_2, Goodman_2
• Track 9 : Cicada_2
• Track 10 : Count_104

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

The start number called the most often in the published annotations is 2, it was called in 7 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ajin_10, Bramble_10, Count_104, DannyDe_9, Kors_10, LordBart_10, Rie18_10, RikSengupta_10, Sparcetus_10, TinyMiny_10,

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

Genes that do not have the "Most Annotated" start:
• Cicada_2, Goodman_2, Johann_2,

Summary by start number:

Start 2:
• Found in 10 of 13 (76.9%) of genes in pham
• Manual Annotations of this start: 7 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ajin_10 (EF), Bramble_10 (EF), Count_104 (EL), DannyDe_9 (EF), Kors_10 (EF), LordBart_10 (EF), Rie18_10 (EF),

RikSengupta_10 (EF), Sparcetus_10 (EF), TinyMiny_10 (EF),

Start 3:
• Found in 3 of 13 (23.1%) of genes in pham
• Manual Annotations of this start: 3 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cicada_2 (EJ), Goodman_2 (EJ), Johann_2 (EJ),

Summary by clusters:

There are 3 clusters represented in this pham: EL, EF, EJ,

Info for manual annotations of cluster EF:
•Start number 2 was manually annotated 6 times for cluster EF.

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

Info for manual annotations of cluster EL:
•Start number 2 was manually annotated 1 time for cluster EL.

Gene Information:

Gene: Ajin_10 Start: 2721, Stop: 2960, Start Num: 2
Candidate Starts for Ajin_10:
(Start: 2 @2721 has 7 MA's), (7, 2808), (8, 2820), (9, 2823), (10, 2826), (15, 2865), (17, 2874), (24, 2949),

Gene: Bramble_10 Start: 2645, Stop: 2893, Start Num: 2
Candidate Starts for Bramble_10:
(1, 2633), (Start: 2 @2645 has 7 MA's), (6, 2735), (10, 2759), (11, 2762), (12, 2777), (17, 2807), (18, 2819), (20, 2855), (24, 2882),

Gene: Cicada_2 Start: 600, Stop: 875, Start Num: 3
Candidate Starts for Cicada_2:
(Start: 3 @600 has 3 MA's), (4, 672), (9, 708), (11, 714), (19, 801), (23, 831), (25, 846),

Gene: Count_104 Start: 65046, Stop: 65294, Start Num: 2
Candidate Starts for Count_104:
(Start: 2 @65046 has 7 MA's), (5, 65124), (9, 65157), (13, 65184), (14, 65190),

Gene: DannyDe_9 Start: 2605, Stop: 2853, Start Num: 2
Candidate Starts for DannyDe_9:
(Start: 2 @2605 has 7 MA's), (10, 2719), (11, 2722), (12, 2737), (17, 2767), (20, 2815), (24, 2842),

Gene: Goodman_2 Start: 600, Stop: 875, Start Num: 3
Candidate Starts for Goodman_2:
(Start: 3 @600 has 3 MA's), (4, 672), (9, 708), (11, 714), (19, 801), (22, 822), (23, 831), (25, 846),

Gene: Johann_2 Start: 600, Stop: 875, Start Num: 3

Candidate Starts for Johann_2:
(Start: 3 @600 has 3 MA's), (4, 672), (9, 708), (11, 714), (19, 801), (22, 822), (23, 831), (25, 846),

Gene: Kors_10 Start: 2754, Stop: 2993, Start Num: 2
Candidate Starts for Kors_10:
(1, 2742), (Start: 2 @2754 has 7 MA's), (7, 2841), (8, 2853), (9, 2856), (10, 2859), (15, 2898), (17, 2907), (21, 2958), (24, 2982),

Gene: LordBart_10 Start: 2727, Stop: 2966, Start Num: 2
Candidate Starts for LordBart_10:
(Start: 2 @2727 has 7 MA's), (7, 2814), (8, 2826), (9, 2829), (10, 2832), (15, 2871), (17, 2880), (21, 2931), (24, 2955),

Gene: Rie18_10 Start: 2797, Stop: 3036, Start Num: 2
Candidate Starts for Rie18_10:
(Start: 2 @2797 has 7 MA's), (6, 2878), (10, 2902), (11, 2905), (16, 2947), (17, 2950), (24, 3025),

Gene: RikSengupta_10 Start: 2824, Stop: 3063, Start Num: 2
Candidate Starts for RikSengupta_10:
(1, 2812), (Start: 2 @2824 has 7 MA's), (7, 2911), (8, 2923), (9, 2926), (10, 2929), (15, 2968), (17, 2977), (21, 3028), (24, 3052),

Gene: Sparcetus_10 Start: 2651, Stop: 2899, Start Num: 2
Candidate Starts for Sparcetus_10:
(1, 2639), (Start: 2 @2651 has 7 MA's), (6, 2741), (10, 2765), (11, 2768), (12, 2783), (17, 2813), (18, 2825), (20, 2861), (24, 2888),

Gene: TinyMiny_10 Start: 2658, Stop: 2897, Start Num: 2
Candidate Starts for TinyMiny_10:
(Start: 2 @2658 has 7 MA's), (7, 2745), (8, 2757), (9, 2760), (10, 2763), (15, 2802), (17, 2811), (21, 2862), (24, 2886),