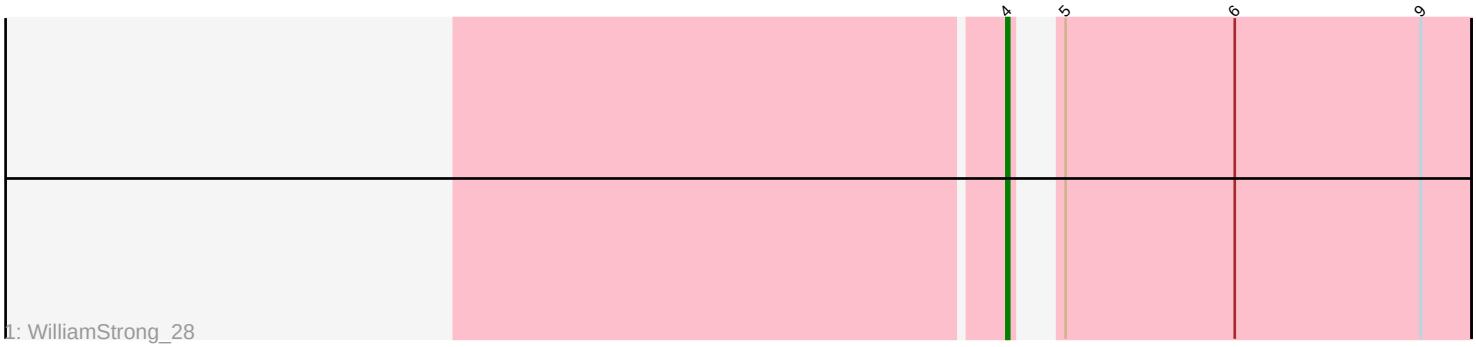
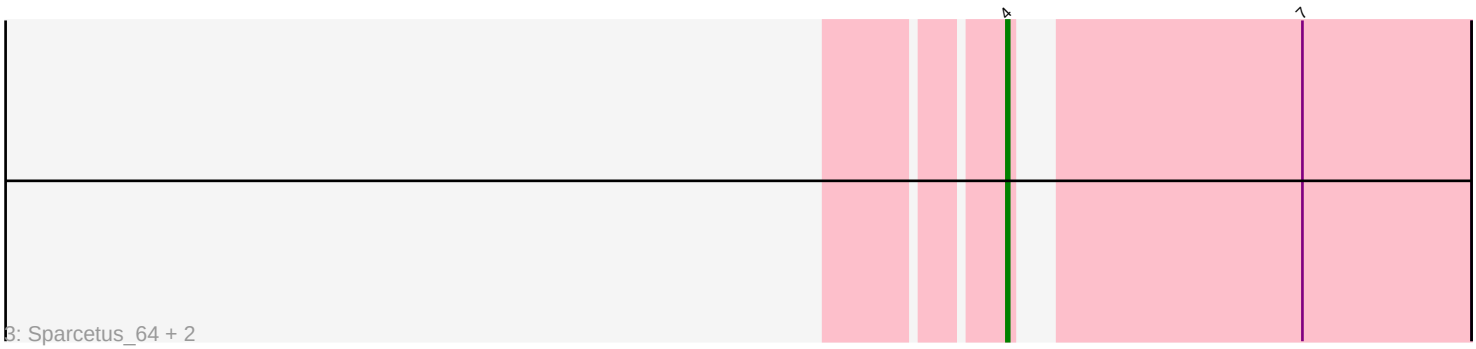
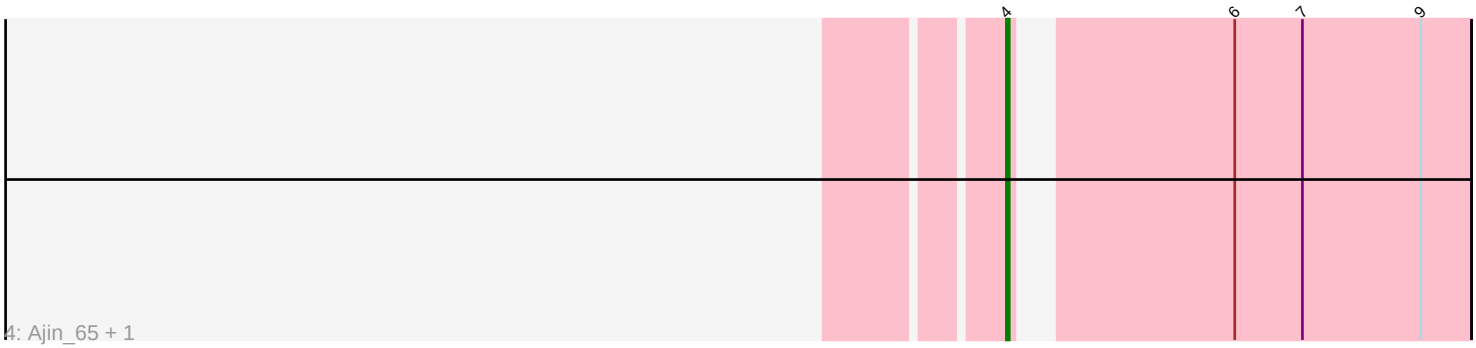
Pham 7569


4
5
6
9
1: WilliamStrong_28


1
2
3
4
6
7
8
9
2: Jacko_3 + 1


4
7
3: Sparcetus_64 + 2


4
6
7
9
4: Ajin_65 + 1

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 7569 Report

This analysis was run 04/28/24 on database version 559.

Pham number 7569 has 8 members, 2 are drafts.

Phages represented in each track:
• Track 1 : WilliamStrong_28
• Track 2 : Jacko_3, Jacko_112
• Track 3 : Sparcetus_64, Kors_65, RikSengupta_64
• Track 4 : Ajin_65, TinyMiny_64

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 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ajin_65, Jacko_112, Jacko_3, Kors_65, RikSengupta_64, Sparcetus_64, TinyMiny_64, WilliamStrong_28,

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

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

Summary by start number:

Start 4:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ajin_65 (EF), Jacko_112 (ED1), Jacko_3 (ED1), Kors_65 (EF), RikSengupta_64 (EF), Sparcetus_64 (EF), TinyMiny_64 (EF), WilliamStrong_28 (EA6),

Summary by clusters:

There are 3 clusters represented in this pham: ED1, EF, EA6,

Info for manual annotations of cluster EA6:
•Start number 4 was manually annotated 1 time for cluster EA6.

Info for manual annotations of cluster ED1:
•Start number 4 was manually annotated 2 times for cluster ED1.

Info for manual annotations of cluster EF:
•Start number 4 was manually annotated 3 times for cluster EF.

Gene Information:

Gene: Ajin_65 Start: 44874, Stop: 45023, Start Num: 4
Candidate Starts for Ajin_65:
(Start: 4 @44874 has 6 MA's), (6, 44940), (7, 44964), (9, 45006),

Gene: Jacko_3 Start: 939, Stop: 775, Start Num: 4
Candidate Starts for Jacko_3:
(1, 1272), (2, 1215), (3, 1098), (Start: 4 @939 has 6 MA's), (6, 858), (7, 834), (8, 825), (9, 792),

Gene: Jacko_112 Start: 59332, Stop: 59168, Start Num: 4
Candidate Starts for Jacko_112:
(1, 59665), (2, 59608), (3, 59491), (Start: 4 @59332 has 6 MA's), (6, 59251), (7, 59227), (8, 59218), (9, 59185),

Gene: Kors_65 Start: 44959, Stop: 45108, Start Num: 4
Candidate Starts for Kors_65:
(Start: 4 @44959 has 6 MA's), (7, 45049),

Gene: RikSengupta_64 Start: 44987, Stop: 45136, Start Num: 4
Candidate Starts for RikSengupta_64:
(Start: 4 @44987 has 6 MA's), (7, 45077),

Gene: Sparcetus_64 Start: 44864, Stop: 45013, Start Num: 4
Candidate Starts for Sparcetus_64:
(Start: 4 @44864 has 6 MA's), (7, 44954),

Gene: TinyMiny_64 Start: 44892, Stop: 45041, Start Num: 4
Candidate Starts for TinyMiny_64:
(Start: 4 @44892 has 6 MA's), (6, 44958), (7, 44982), (9, 45024),

Gene: WilliamStrong_28 Start: 21240, Stop: 21091, Start Num: 4
Candidate Starts for WilliamStrong_28:
(Start: 4 @21240 has 6 MA's), (5, 21234), (6, 21174), (9, 21108),