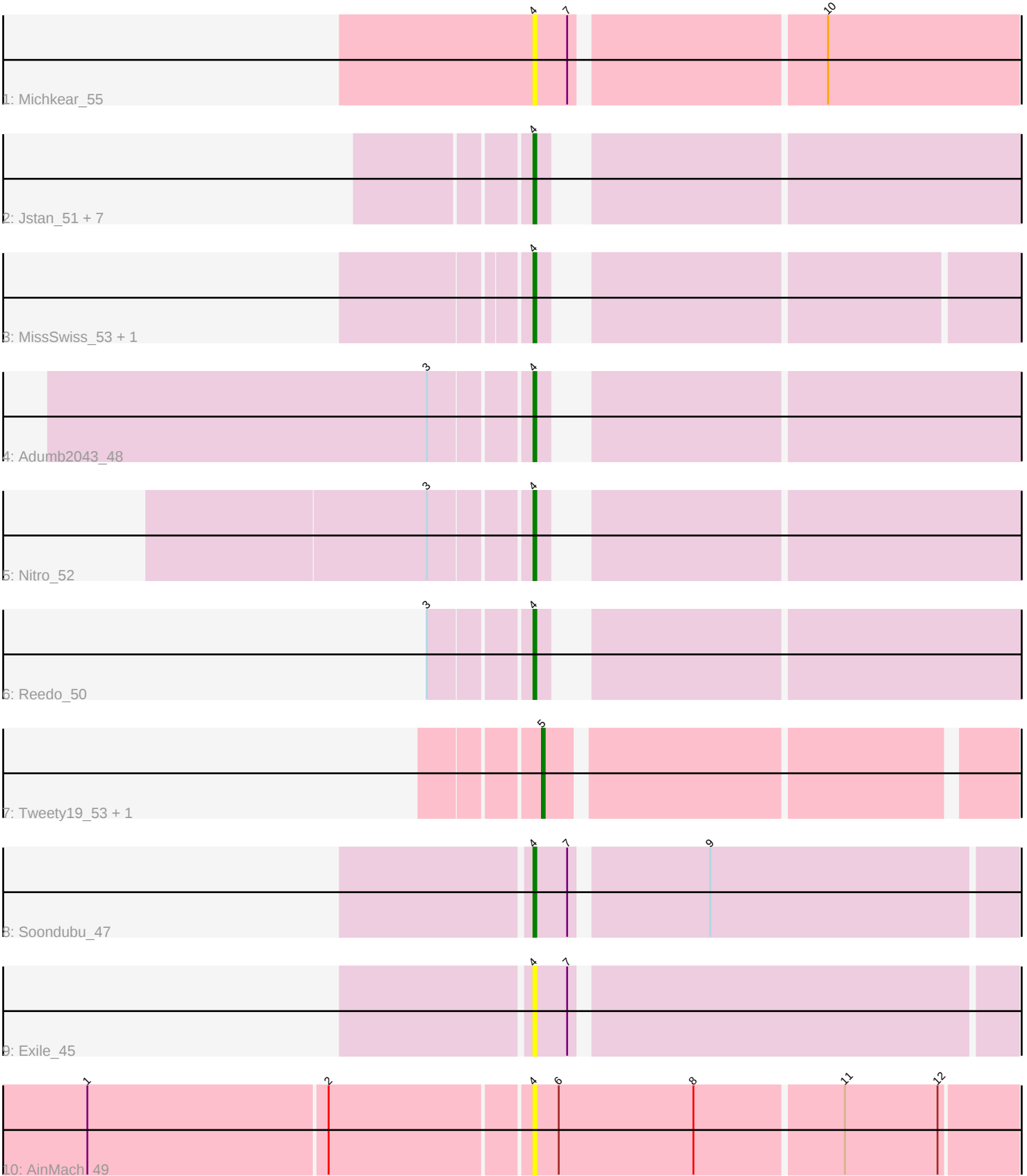


Pham 319792



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 319792 Report

This analysis was run 09/05/26 on database version 662.

Pham number 319792 has 19 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Michkear_55
- Track 2 : Jstan_51, Eraser_49, Asa16_49, Niobe_49, Subaru_49, Skelbel_50, London_49, Elezi_49
- Track 3 : MissSwiss_53, PandaPo_53
- Track 4 : Adumb2043_48
- Track 5 : Nitro_52
- Track 6 : Reedo_50
- Track 7 : Tweety19_53, Snek_52
- Track 8 : Soondubu_47
- Track 9 : Exile_45
- Track 10 : AinMach_49

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 11 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Adumb2043_48, AinMach_49, Asa16_49, Elezi_49, Eraser_49, Exile_45, Jstan_51, London_49, Michkear_55, MissSwiss_53, Niobe_49, Nitro_52, PandaPo_53, Reedo_50, Skelbel_50, Soondubu_47, Subaru_49,

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

-

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

- Snek_52, Tweety19_53,

Summary by start number:

Start 4:

- Found in 17 of 19 (89.5%) of genes in pham
- Manual Annotations of this start: 11 of 13
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Adumb2043_48 (AZ1), AinMach_49 (AZ7), Asa16_49 (AZ1), Elezi_49 (AZ1), Eraser_49 (AZ1), Exile_45 (AZ6), Jstan_51 (AZ1), London_49 (AZ1), Michkear_55 (AZ), MissSwiss_53 (AZ1), Niobe_49 (AZ1), Nitro_52 (AZ1), PandaPo_53 (AZ1), Reedo_50 (AZ1), Skelbel_50 (AZ1), Soondubu_47 (AZ6), Subaru_49 (AZ1),

Start 5:

- Found in 2 of 19 (10.5%) of genes in pham
- Manual Annotations of this start: 2 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Snek_52 (AZ3), Tweety19_53 (AZ3),

Summary by clusters:

There are 5 clusters represented in this pham: AZ1, AZ3, AZ6, AZ, AZ7,

Info for manual annotations of cluster AZ1:

- Start number 4 was manually annotated 10 times for cluster AZ1.

Info for manual annotations of cluster AZ3:

- Start number 5 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ6:

- Start number 4 was manually annotated 1 time for cluster AZ6.

Gene Information:

Gene: Adumb2043_48 Start: 36083, Stop: 36337, Start Num: 4

Candidate Starts for Adumb2043_48:

(3, 36050), (Start: 4 @36083 has 11 MA's),

Gene: AinMach_49 Start: 36352, Stop: 36591, Start Num: 4

Candidate Starts for AinMach_49:

(1, 36199), (2, 36283), (Start: 4 @36352 has 11 MA's), (6, 36361), (8, 36409), (11, 36460), (12, 36493),

Gene: Asa16_49 Start: 37619, Stop: 37879, Start Num: 4

Candidate Starts for Asa16_49:

(Start: 4 @37619 has 11 MA's),

Gene: Elezi_49 Start: 37617, Stop: 37877, Start Num: 4

Candidate Starts for Elezi_49:

(Start: 4 @37617 has 11 MA's),

Gene: Eraser_49 Start: 37626, Stop: 37886, Start Num: 4

Candidate Starts for Eraser_49:

(Start: 4 @37626 has 11 MA's),

Gene: Exile_45 Start: 38999, Stop: 39256, Start Num: 4

Candidate Starts for Exile_45:

(Start: 4 @38999 has 11 MA's), (7, 39011),

Gene: Jstan_51 Start: 37621, Stop: 37881, Start Num: 4

Candidate Starts for Jstan_51:

(Start: 4 @37621 has 11 MA's),

Gene: London_49 Start: 37617, Stop: 37877, Start Num: 4

Candidate Starts for London_49:

(Start: 4 @37617 has 11 MA's),

Gene: Michkear_55 Start: 41028, Stop: 41288, Start Num: 4

Candidate Starts for Michkear_55:

(Start: 4 @41028 has 11 MA's), (7, 41040), (10, 41124),

Gene: MissSwiss_53 Start: 36235, Stop: 36483, Start Num: 4

Candidate Starts for MissSwiss_53:

(Start: 4 @36235 has 11 MA's),

Gene: Niobe_49 Start: 37620, Stop: 37880, Start Num: 4

Candidate Starts for Niobe_49:

(Start: 4 @37620 has 11 MA's),

Gene: Nitro_52 Start: 38740, Stop: 38985, Start Num: 4

Candidate Starts for Nitro_52:

(3, 38707), (Start: 4 @38740 has 11 MA's),

Gene: PandaPo_53 Start: 36243, Stop: 36491, Start Num: 4

Candidate Starts for PandaPo_53:

(Start: 4 @36243 has 11 MA's),

Gene: Reedo_50 Start: 35488, Stop: 35727, Start Num: 4

Candidate Starts for Reedo_50:

(3, 35455), (Start: 4 @35488 has 11 MA's),

Gene: Skelbel_50 Start: 37620, Stop: 37880, Start Num: 4

Candidate Starts for Skelbel_50:

(Start: 4 @37620 has 11 MA's),

Gene: Snek_52 Start: 36382, Stop: 36615, Start Num: 5

Candidate Starts for Snek_52:

(Start: 5 @36382 has 2 MA's),

Gene: Soondubu_47 Start: 39482, Stop: 39739, Start Num: 4

Candidate Starts for Soondubu_47:

(Start: 4 @39482 has 11 MA's), (7, 39494), (9, 39539),

Gene: Subaru_49 Start: 37617, Stop: 37877, Start Num: 4

Candidate Starts for Subaru_49:

(Start: 4 @37617 has 11 MA's),

Gene: Tweety19_53 Start: 36382, Stop: 36615, Start Num: 5

Candidate Starts for Tweety19_53:

(Start: 5 @36382 has 2 MA's),

