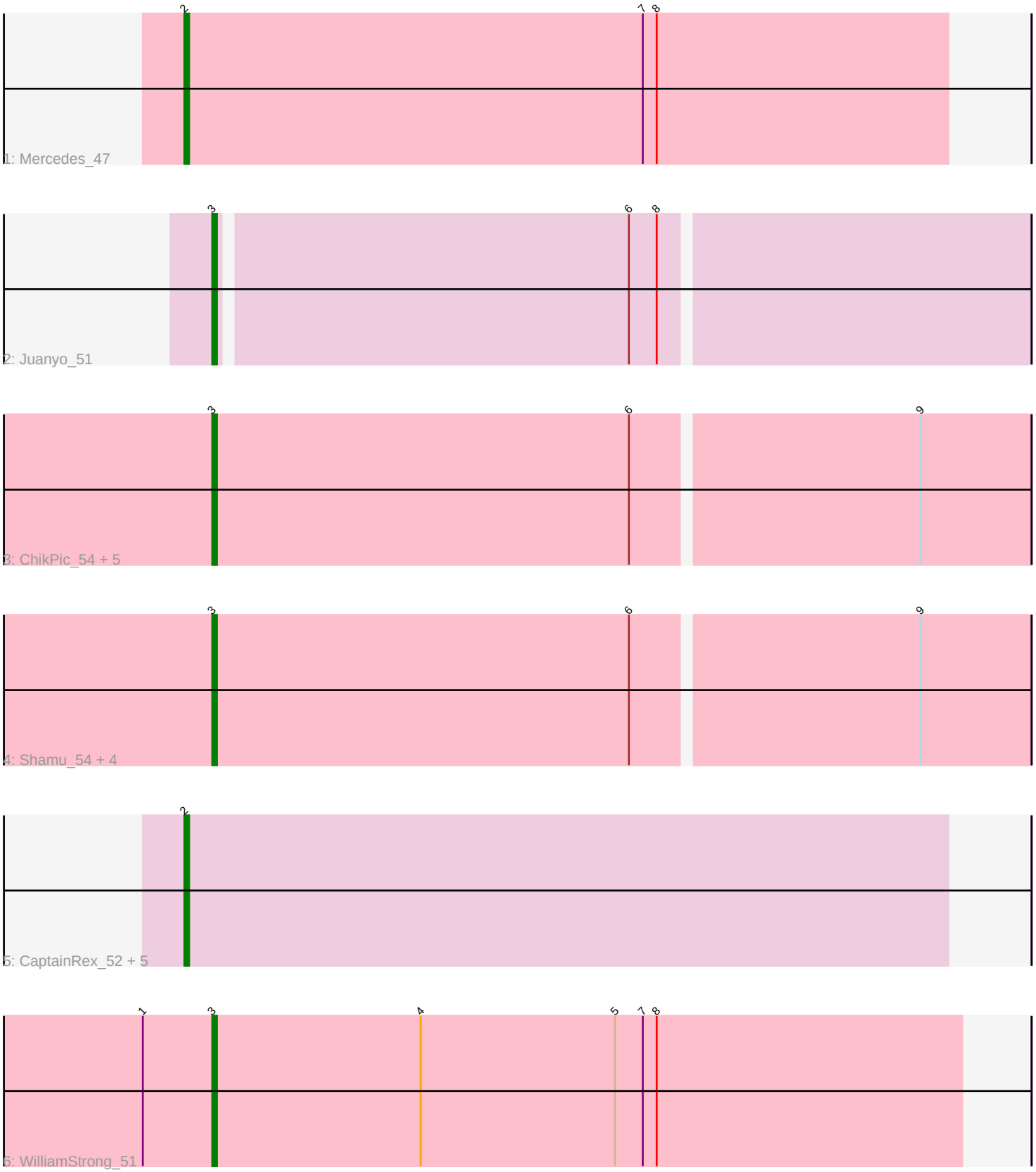
Pham 4548


2
7
8
1: Mercedes_47
3
6
8
2: Juanyo_51
3
6
9
3: ChikPic_54 + 5
3
6
9
4: Shamu_54 + 4
2
5: CaptainRex_52 + 5
1
3
4
5
7
8
6: WilliamStrong_51

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 4548 Report

This analysis was run 04/05/24 on database version 557.

Pham number 4548 has 20 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Mercedes_47
• Track 2 : Juanyo_51
• Track 3 : ChikPic_54, Andromedas_54, ColaCorta_54, Eleri_54, Glamour_53, Saratos_54
• Track 4 : Shamu_54, MCubed_54, Zenitsu_54, Finny_55, Sansa_52
• Track 5 : CaptainRex_52, Fulton_52, Zepp_52, Hasitha_52, Librie_52, QuadZero_52
• Track 6 : WilliamStrong_51

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

The start number called the most often in the published annotations is 3, it was called in 13 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Andromedas_54, ChikPic_54, ColaCorta_54, Eleri_54, Finny_55, Glamour_53, Juanyo_51, MCubed_54, Sansa_52, Saratos_54, Shamu_54, WilliamStrong_51, Zenitsu_54,

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

Genes that do not have the "Most Annotated" start:
• CaptainRex_52, Fulton_52, Hasitha_52, Librie_52, Mercedes_47, QuadZero_52, Zepp_52,

Summary by start number:

Start 2:
• Found in 7 of 20 (35.0%) of genes in pham
• Manual Annotations of this start: 6 of 19
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CaptainRex_52 (EA5), Fulton_52 (EA5), Hasitha_52 (EA5), Librie_52 (EA5), Mercedes_47 (EA), QuadZero_52 (EA5),

Zepp_52 (EA5),

Start 3:
• Found in 13 of 20 (65.0%) of genes in pham
• Manual Annotations of this start: 13 of 19
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Andromedas_54 (EA2), ChikPic_54 (EA2), ColaCorta_54 (EA2), Eleri_54 (EA2), Finny_55 (EA2), Glamour_53 (EA2), Juanyo_51 (EA10), MCubed_54 (EA2), Sansa_52 (EA2), Saratos_54 (EA2), Shamu_54 (EA2), WilliamStrong_51 (EA6), Zenitsu_54 (EA2),

Summary by clusters:

There are 5 clusters represented in this pham: EA, EA2, EA5, EA10, EA6,

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

Info for manual annotations of cluster EA10:
•Start number 3 was manually annotated 1 time for cluster EA10.

Info for manual annotations of cluster EA2:
•Start number 3 was manually annotated 11 times for cluster EA2.

Info for manual annotations of cluster EA5:
•Start number 2 was manually annotated 5 times for cluster EA5.

Info for manual annotations of cluster EA6:
•Start number 3 was manually annotated 1 time for cluster EA6.

Gene Information:

Gene: Andromedas_54 Start: 36830, Stop: 36657, Start Num: 3
Candidate Starts for Andromedas_54:
(Start: 3 @36830 has 13 MA's), (6, 36740), (9, 36680),

Gene: CaptainRex_52 Start: 35369, Stop: 35205, Start Num: 2
Candidate Starts for CaptainRex_52:
(Start: 2 @35369 has 6 MA's),

Gene: ChikPic_54 Start: 36639, Stop: 36466, Start Num: 3
Candidate Starts for ChikPic_54:
(Start: 3 @36639 has 13 MA's), (6, 36549), (9, 36489),

Gene: ColaCorta_54 Start: 36830, Stop: 36657, Start Num: 3
Candidate Starts for ColaCorta_54:
(Start: 3 @36830 has 13 MA's), (6, 36740), (9, 36680),

Gene: Eleri_54 Start: 36675, Stop: 36502, Start Num: 3
Candidate Starts for Eleri_54:
(Start: 3 @36675 has 13 MA's), (6, 36585), (9, 36525),

Gene: Finny_55 Start: 36623, Stop: 36450, Start Num: 3
Candidate Starts for Finny_55:
(Start: 3 @36623 has 13 MA's), (6, 36533), (9, 36473),

Gene: Fulton_52 Start: 35370, Stop: 35206, Start Num: 2
Candidate Starts for Fulton_52:
(Start: 2 @35370 has 6 MA's),

Gene: Glamour_53 Start: 36533, Stop: 36360, Start Num: 3
Candidate Starts for Glamour_53:
(Start: 3 @36533 has 13 MA's), (6, 36443), (9, 36383),

Gene: Hasitha_52 Start: 35382, Stop: 35218, Start Num: 2
Candidate Starts for Hasitha_52:
(Start: 2 @35382 has 6 MA's),

Gene: Juanyo_51 Start: 35601, Stop: 35431, Start Num: 3
Candidate Starts for Juanyo_51:
(Start: 3 @35601 has 13 MA's), (6, 35514), (8, 35508),

Gene: Librie_52 Start: 35369, Stop: 35205, Start Num: 2
Candidate Starts for Librie_52:
(Start: 2 @35369 has 6 MA's),

Gene: MCubed_54 Start: 36654, Stop: 36481, Start Num: 3
Candidate Starts for MCubed_54:
(Start: 3 @36654 has 13 MA's), (6, 36564), (9, 36504),

Gene: Mercedes_47 Start: 35516, Stop: 35352, Start Num: 2
Candidate Starts for Mercedes_47:
(Start: 2 @35516 has 6 MA's), (7, 35417), (8, 35414),

Gene: QuadZero_52 Start: 35473, Stop: 35309, Start Num: 2
Candidate Starts for QuadZero_52:
(Start: 2 @35473 has 6 MA's),

Gene: Sansa_52 Start: 36615, Stop: 36442, Start Num: 3
Candidate Starts for Sansa_52:
(Start: 3 @36615 has 13 MA's), (6, 36525), (9, 36465),

Gene: Saratos_54 Start: 36659, Stop: 36486, Start Num: 3
Candidate Starts for Saratos_54:
(Start: 3 @36659 has 13 MA's), (6, 36569), (9, 36509),

Gene: Shamu_54 Start: 36548, Stop: 36375, Start Num: 3
Candidate Starts for Shamu_54:
(Start: 3 @36548 has 13 MA's), (6, 36458), (9, 36398),

Gene: WilliamStrong_51 Start: 35918, Stop: 35757, Start Num: 3
Candidate Starts for WilliamStrong_51:
(1, 35933), (Start: 3 @35918 has 13 MA's), (4, 35873), (5, 35831), (7, 35825), (8, 35822),

Gene: Zenitsu_54 Start: 36659, Stop: 36486, Start Num: 3
Candidate Starts for Zenitsu_54:
(Start: 3 @36659 has 13 MA's), (6, 36569), (9, 36509),

Gene: Zepp_52 Start: 35429, Stop: 35265, Start Num: 2
Candidate Starts for Zepp_52:
(Start: 2 @35429 has 6 MA's),