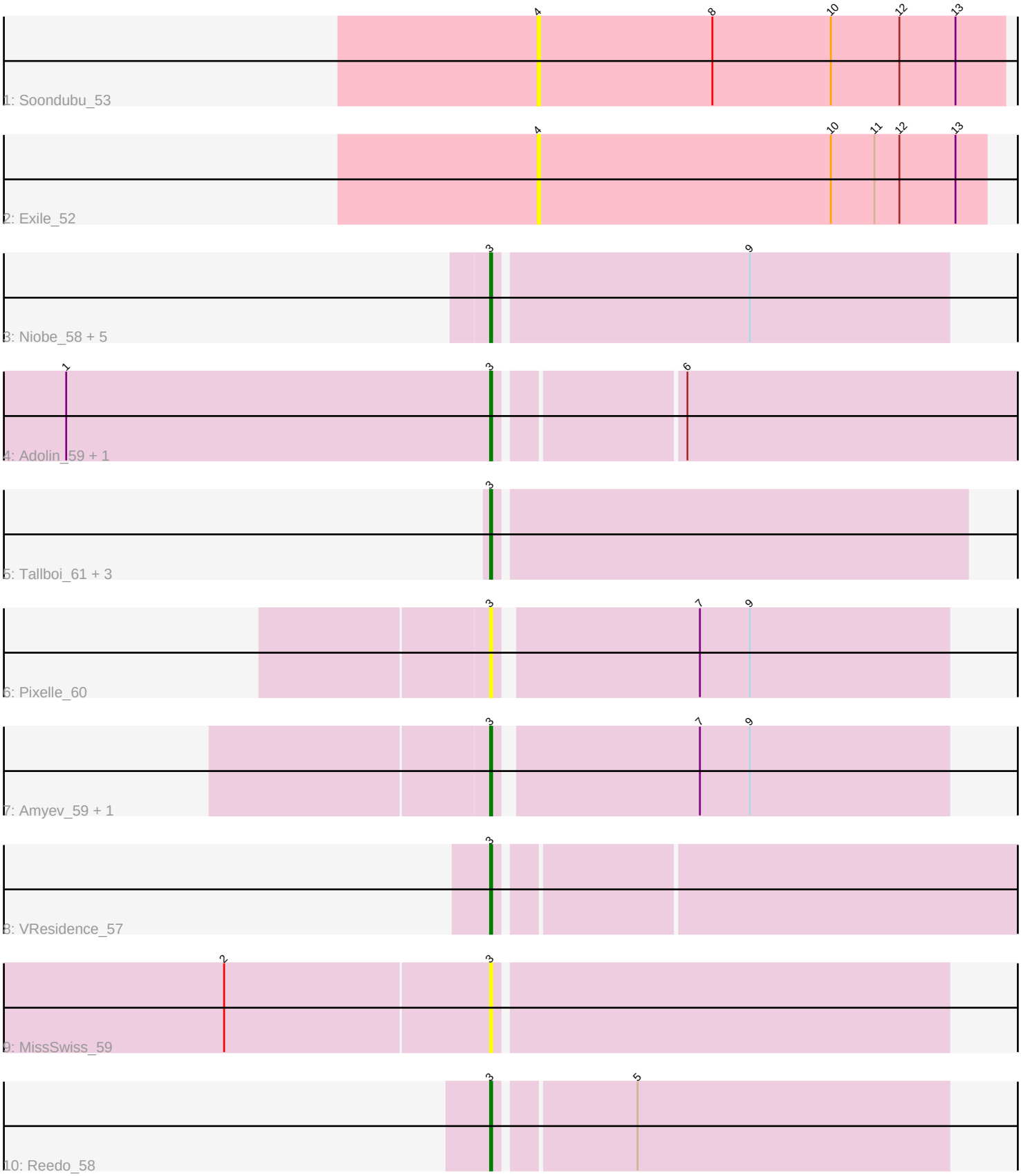
Pham 134082


4
8
10
12
13
1: Soondubu_53
4
10
11
12
13
2: Exile_52
3
9
3: Niobe_58 + 5
1
3
6
4: Adolin_59 + 1
3
5: Tallboi_61 + 3
3
7
9
6: Pixelle_60
3
7
9
7: Amyev_59 + 1
3
8: VResidence_57
2
3
9: MissSwiss_59
3
5
10: Reedo_58

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 134082 Report

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

Pham number 134082 has 20 members, 9 are drafts.

Phages represented in each track:
• Track 1 : Soondubu_53
• Track 2 : Exile_52
• Track 3 : Niobe_58, London_58, Elezi_57, Asa16_58, Jstan_59, Eraser_58
• Track 4 : Adolin_59, DrManhattan_59
• Track 5 : Tallboi_61, AEgle_54, Adumb2043_55, Turab_55
• Track 6 : Pixelle_60
• Track 7 : Amyev_59, Tian_58
• Track 8 : VResidence_57
• Track 9 : MissSwiss_59
• Track 10 : Reedo_58

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

Genes that call this "Most Annotated" start:
• AEgle_54, Adolin_59, Adumb2043_55, Amyev_59, Asa16_58, DrManhattan_59, Elezi_57, Eraser_58, Jstan_59, London_58, MissSwiss_59, Niobe_58, Pixelle_60, Reedo_58, Tallboi_61, Tian_58, Turab_55, VResidence_57,

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

Genes that do not have the "Most Annotated" start:
• Exile_52, Soondubu_53,

Summary by start number:

Start 3:
• Found in 18 of 20 (90.0%) of genes in pham
• Manual Annotations of this start: 11 of 11
• Called 100.0% of time when present

• Phage (with cluster) where this start called: AEgle_54 (AZ1), Adolin_59 (AZ1), Adumb2043_55 (AZ1), Amyev_59 (AZ1), Asa16_58 (AZ1), DrManhattan_59 (AZ1), Elezi_57 (AZ1), Eraser_58 (AZ1), Jstan_59 (AZ1), London_58 (AZ1), MissSwiss_59 (AZ1), Niobe_58 (AZ1), Pixelle_60 (AZ1), Reedo_58 (AZ1), Tallboi_61 (AZ1), Tian_58 (AZ1), Turab_55 (AZ1), VResidence_57 (AZ1),

Start 4:
• Found in 2 of 20 (10.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Exile_52 (AZ), Soondubu_53 (AZ),

Summary by clusters:

There are 2 clusters represented in this pham: AZ1, AZ,

Info for manual annotations of cluster AZ1:
•Start number 3 was manually annotated 11 times for cluster AZ1.

Gene Information:

Gene: AEgle_54 Start: 37974, Stop: 38213, Start Num: 3
Candidate Starts for AEgle_54:
(Start: 3 @37974 has 11 MA's),

Gene: Adolin_59 Start: 37630, Stop: 37920, Start Num: 3
Candidate Starts for Adolin_59:
(1, 37426), (Start: 3 @37630 has 11 MA's), (6, 37714),

Gene: Adumb2043_55 Start: 37997, Stop: 38236, Start Num: 3
Candidate Starts for Adumb2043_55:
(Start: 3 @37997 has 11 MA's),

Gene: Amyev_59 Start: 41221, Stop: 41433, Start Num: 3
Candidate Starts for Amyev_59:
(Start: 3 @41221 has 11 MA's), (7, 41314), (9, 41338),

Gene: Asa16_58 Start: 39930, Stop: 40145, Start Num: 3
Candidate Starts for Asa16_58:
(Start: 3 @39930 has 11 MA's), (9, 40050),

Gene: DrManhattan_59 Start: 37198, Stop: 37488, Start Num: 3
Candidate Starts for DrManhattan_59:
(1, 36994), (Start: 3 @37198 has 11 MA's), (6, 37282),

Gene: Elezi_57 Start: 39687, Stop: 39902, Start Num: 3
Candidate Starts for Elezi_57:
(Start: 3 @39687 has 11 MA's), (9, 39807),

Gene: Eraser_58 Start: 39937, Stop: 40152, Start Num: 3

Candidate Starts for Eraser_58:
(Start: 3 @39937 has 11 MA's), (9, 40057),

Gene: Exile_52 Start: 40875, Stop: 41090, Start Num: 4
Candidate Starts for Exile_52:
(4, 40875), (10, 41016), (11, 41037), (12, 41049), (13, 41076),

Gene: Jstan_59 Start: 39691, Stop: 39906, Start Num: 3
Candidate Starts for Jstan_59:
(Start: 3 @39691 has 11 MA's), (9, 39811),

Gene: London_58 Start: 39928, Stop: 40143, Start Num: 3
Candidate Starts for London_58:
(Start: 3 @39928 has 11 MA's), (9, 40048),

Gene: MissSwiss_59 Start: 37548, Stop: 37763, Start Num: 3
Candidate Starts for MissSwiss_59:
(2, 37422), (Start: 3 @37548 has 11 MA's),

Gene: Niobe_58 Start: 39931, Stop: 40146, Start Num: 3
Candidate Starts for Niobe_58:
(Start: 3 @39931 has 11 MA's), (9, 40051),

Gene: Pixelle_60 Start: 41322, Stop: 41534, Start Num: 3
Candidate Starts for Pixelle_60:
(Start: 3 @41322 has 11 MA's), (7, 41415), (9, 41439),

Gene: Reedo_58 Start: 37114, Stop: 37326, Start Num: 3
Candidate Starts for Reedo_58:
(Start: 3 @37114 has 11 MA's), (5, 37177),

Gene: Soondubu_53 Start: 41388, Stop: 41612, Start Num: 4
Candidate Starts for Soondubu_53:
(4, 41388), (8, 41472), (10, 41529), (12, 41562), (13, 41589),

Gene: Tallboi_61 Start: 40066, Stop: 40290, Start Num: 3
Candidate Starts for Tallboi_61:
(Start: 3 @40066 has 11 MA's),

Gene: Tian_58 Start: 41220, Stop: 41432, Start Num: 3
Candidate Starts for Tian_58:
(Start: 3 @41220 has 11 MA's), (7, 41313), (9, 41337),

Gene: Turab_55 Start: 38018, Stop: 38257, Start Num: 3
Candidate Starts for Turab_55:
(Start: 3 @38018 has 11 MA's),

Gene: VResidence_57 Start: 37883, Stop: 38170, Start Num: 3
Candidate Starts for VResidence_57:
(Start: 3 @37883 has 11 MA's),