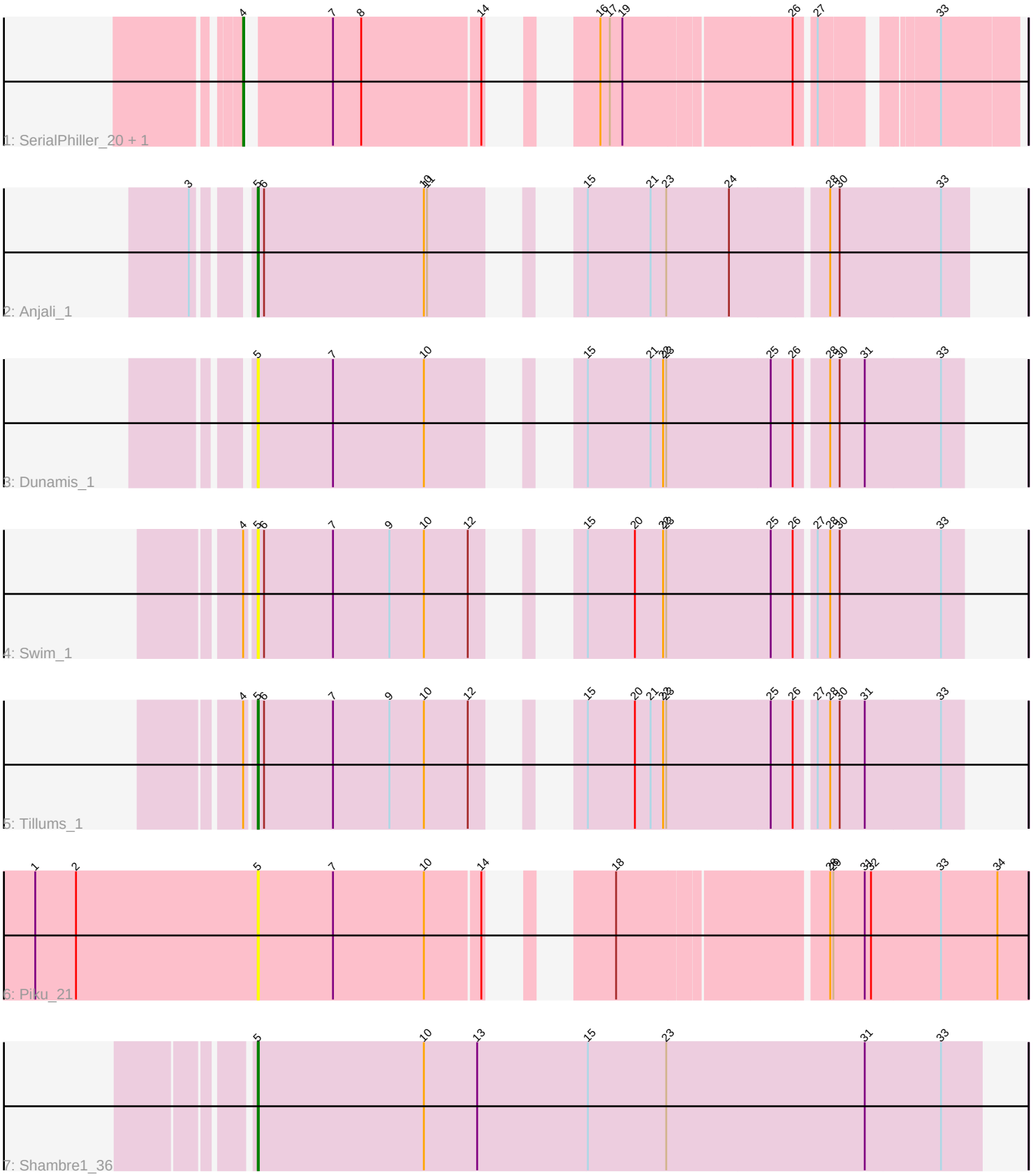
Pham 14357


1: SerialPhiller_20 + 1
2: Anjali_1
3: Dunamis_1
4: Swim_1
5: Tillums_1
6: Piku_21
7: Shambre1_36

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 14357 Report

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

Pham number 14357 has 8 members, 3 are drafts.

Phages represented in each track:
• Track 1 : SerialPhiller_20, Arielagos_20
• Track 2 : Anjali_1
• Track 3 : Dunamis_1
• Track 4 : Swim_1
• Track 5 : Tillums_1
• Track 6 : Piku_21
• Track 7 : Shambre1_36

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

The start number called the most often in the published annotations is 5, it was called in 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Anjali_1, Dunamis_1, Piku_21, Shambre1_36, Swim_1, Tillums_1,

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

Genes that do not have the "Most Annotated" start:
• Arielagos_20, SerialPhiller_20,

Summary by start number:

Start 4:
• Found in 4 of 8 (50.0%) of genes in pham
• Manual Annotations of this start: 2 of 5
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Arielagos_20 (AN), SerialPhiller_20 (AN),

Start 5:
• Found in 6 of 8 (75.0%) of genes in pham
• Manual Annotations of this start: 3 of 5

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anjali_1 (FD), Dunamis_1 (FD), Piku_21 (FE), Shambre1_36 (singleton), Swim_1 (FD), Tillums_1 (FD),

Summary by clusters:

There are 4 clusters represented in this pham: singleton, FD, FE, AN,

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

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

Gene Information:

Gene: Anjali_1 Start: 749, Stop: 156, Start Num: 5
Candidate Starts for Anjali_1:
(3, 791), (Start: 5 @749 has 3 MA's), (6, 743), (10, 590), (11, 587), (15, 509), (21, 449), (23, 434), (24, 374), (28, 287), (30, 278), (33, 182),

Gene: Arielagos_20 Start: 13278, Stop: 13880, Start Num: 4
Candidate Starts for Arielagos_20:
(Start: 4 @13278 has 2 MA's), (7, 13350), (8, 13377), (14, 13488), (16, 13527), (17, 13536), (19, 13548), (26, 13701), (27, 13716), (33, 13809),

Gene: Dunamis_1 Start: 749, Stop: 162, Start Num: 5
Candidate Starts for Dunamis_1:
(Start: 5 @749 has 3 MA's), (7, 677), (10, 590), (15, 509), (21, 449), (22, 437), (23, 434), (25, 335), (26, 314), (28, 287), (30, 278), (31, 254), (33, 182),

Gene: Piku_21 Start: 14393, Stop: 15031, Start Num: 5
Candidate Starts for Piku_21:
(1, 14180), (2, 14219), (Start: 5 @14393 has 3 MA's), (7, 14465), (10, 14552), (14, 14603), (18, 14657), (28, 14843), (29, 14846), (31, 14876), (32, 14882), (33, 14948), (34, 15002),

Gene: SerialPhiller_20 Start: 13278, Stop: 13880, Start Num: 4
Candidate Starts for SerialPhiller_20:
(Start: 4 @13278 has 2 MA's), (7, 13350), (8, 13377), (14, 13488), (16, 13527), (17, 13536), (19, 13548), (26, 13701), (27, 13716), (33, 13809),

Gene: Shambre1_36 Start: 25367, Stop: 24678, Start Num: 5
Candidate Starts for Shambre1_36:
(Start: 5 @25367 has 3 MA's), (10, 25208), (13, 25157), (15, 25052), (23, 24977), (31, 24788), (33, 24716),

Gene: Swim_1 Start: 749, Stop: 162, Start Num: 5
Candidate Starts for Swim_1:
(Start: 4 @758 has 2 MA's), (Start: 5 @749 has 3 MA's), (6, 743), (7, 677), (9, 623), (10, 590), (12, 548), (15, 509), (20, 464), (22, 437), (23, 434), (25, 335), (26, 314), (27, 299), (28, 287), (30, 278), (33,

182),

Gene: Tillums_1 Start: 744, Stop: 157, Start Num: 5
Candidate Starts for Tillums_1:
(Start: 4 @753 has 2 MA's), (Start: 5 @744 has 3 MA's), (6, 738), (7, 672), (9, 618), (10, 585), (12, 543), (15, 504), (20, 459), (21, 444), (22, 432), (23, 429), (25, 330), (26, 309), (27, 294), (28, 282), (30, 273), (31, 249), (33, 177),