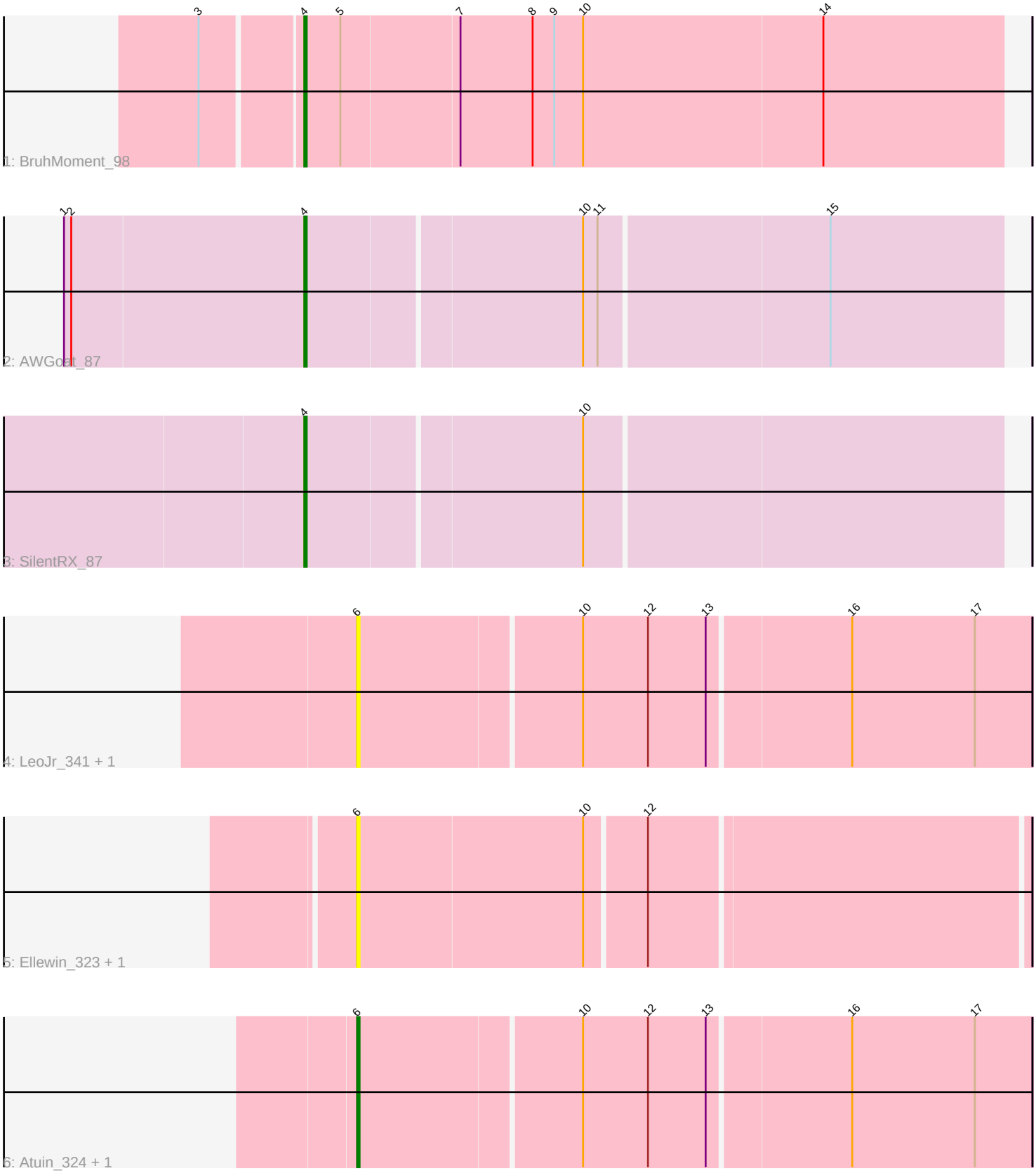
Pham 291783


3
4
5
7
8
9
10
14
1: BruhMoment_98
1
2
4
10
11
15
2: AWGoat_87
4
10
3: SilentRX_87
6
10
12
13
16
17
4: LeoJr_341 + 1
6
10
12
5: Ellewin_323 + 1
6
10
12
13
16
17
6: Atuin_324 + 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 291783 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291783 has 9 members, 4 are drafts.

Phages represented in each track:
• Track 1 : BruhMoment_98
• Track 2 : AWGoat_87
• Track 3 : SilentRX_87
• Track 4 : LeoJr_341, LeoJr_28
• Track 5 : Ellewin_323, Ellewin_24
• Track 6 : Atuin_324, Atuin_24

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 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AWGoat_87, BruhMoment_98, SilentRX_87,

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

Genes that do not have the "Most Annotated" start:
• Atuin_24, Atuin_324, Ellewin_24, Ellewin_323, LeoJr_28, LeoJr_341,

Summary by start number:

Start 4:
• Found in 3 of 9 (33.3%) 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: AWGoat_87 (AP4), BruhMoment_98 (AP3), SilentRX_87 (AP4),

Start 6:
• Found in 6 of 9 (66.7%) of genes in pham
• Manual Annotations of this start: 2 of 5
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Atuin_24 (FC), Atuin_324 (FC), Ellewin_24 (FC), Ellewin_323 (FC), LeoJr_28 (FC), LeoJr_341 (FC),

Summary by clusters:

There are 3 clusters represented in this pham: AP3, FC, AP4,

Info for manual annotations of cluster AP3:
•Start number 4 was manually annotated 1 time for cluster AP3.

Info for manual annotations of cluster AP4:
•Start number 4 was manually annotated 2 times for cluster AP4.

Info for manual annotations of cluster FC:
•Start number 6 was manually annotated 2 times for cluster FC.

Gene Information:

Gene: AWGoat_87 Start: 57837, Stop: 57556, Start Num: 4
Candidate Starts for AWGoat_87:
(1, 57936), (2, 57933), (Start: 4 @57837 has 3 MA's), (10, 57726), (11, 57720), (15, 57627),

Gene: Atuin_324 Start: 188565, Stop: 188837, Start Num: 6
Candidate Starts for Atuin_324:
(Start: 6 @188565 has 2 MA's), (10, 188655), (12, 188682), (13, 188706), (16, 188763), (17, 188814),

Gene: Atuin_24 Start: 11677, Stop: 11949, Start Num: 6
Candidate Starts for Atuin_24:
(Start: 6 @11677 has 2 MA's), (10, 11767), (12, 11794), (13, 11818), (16, 11875), (17, 11926),

Gene: BruhMoment_98 Start: 60883, Stop: 60596, Start Num: 4
Candidate Starts for BruhMoment_98:
(3, 60922), (Start: 4 @60883 has 3 MA's), (5, 60868), (7, 60820), (8, 60790), (9, 60781), (10, 60769), (14, 60670),

Gene: Ellewin_323 Start: 189734, Stop: 190003, Start Num: 6
Candidate Starts for Ellewin_323:
(Start: 6 @189734 has 2 MA's), (10, 189827), (12, 189851),

Gene: Ellewin_24 Start: 10620, Stop: 10889, Start Num: 6
Candidate Starts for Ellewin_24:
(Start: 6 @10620 has 2 MA's), (10, 10713), (12, 10737),

Gene: LeoJr_341 Start: 189284, Stop: 189556, Start Num: 6
Candidate Starts for LeoJr_341:
(Start: 6 @189284 has 2 MA's), (10, 189374), (12, 189401), (13, 189425), (16, 189482), (17, 189533),

Gene: LeoJr_28 Start: 11981, Stop: 12253, Start Num: 6
Candidate Starts for LeoJr_28:
(Start: 6 @11981 has 2 MA's), (10, 12071), (12, 12098), (13, 12122), (16, 12179), (17, 12230),

Gene: SilentRX_87 Start: 58117, Stop: 57836, Start Num: 4
Candidate Starts for SilentRX_87:
(Start: 4 @58117 has 3 MA's), (10, 58006),