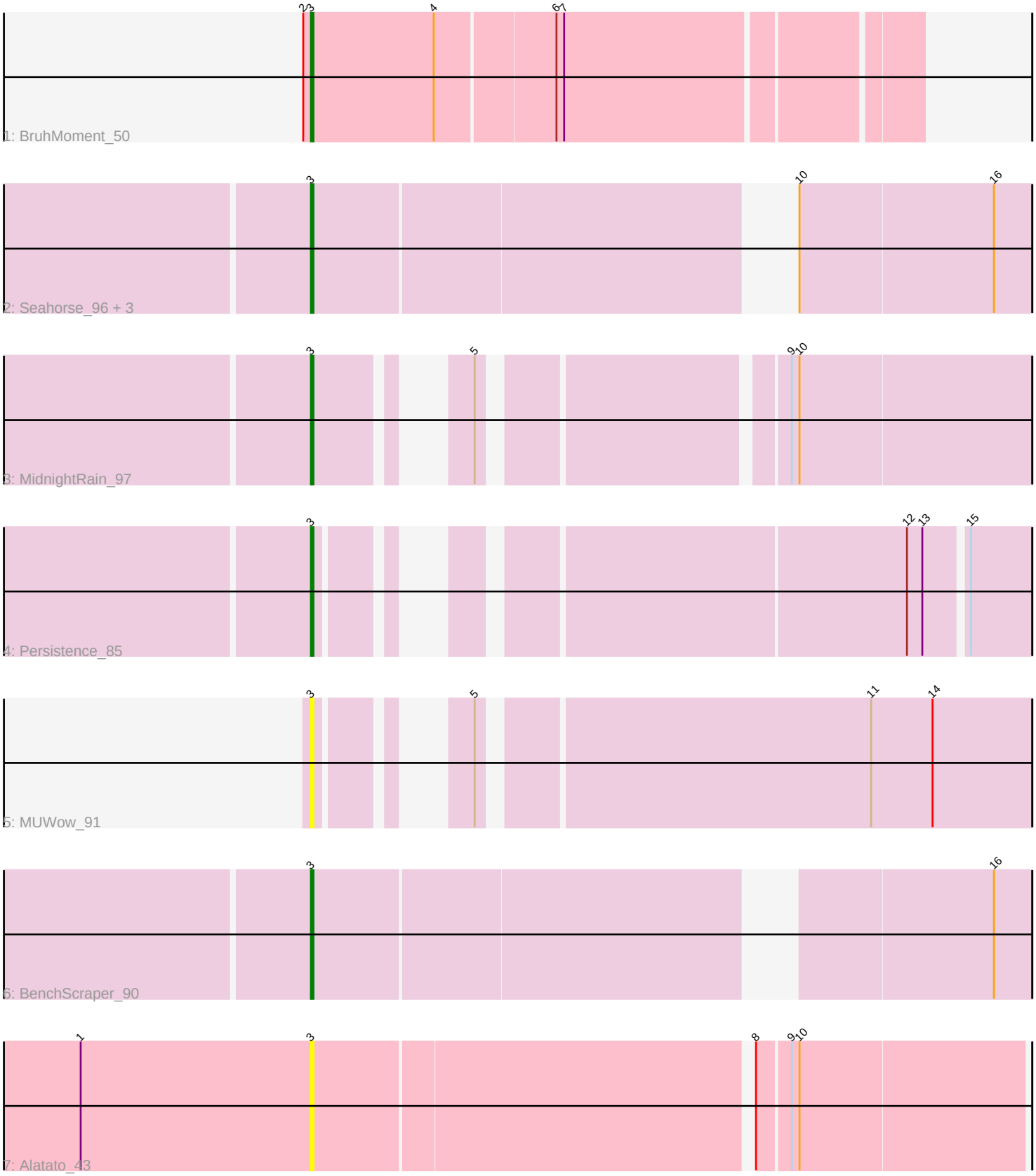
Pham 213204


1: BruhMoment_50
2: Seahorse_96 + 3
3: MidnightRain_97
4: Persistence_85
5: MUWow_91
6: BenchScraper_90
7: Alatato_43

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 213204 Report

This analysis was run 02/22/25 on database version 588.

Pham number 213204 has 10 members, 2 are drafts.

Phages represented in each track:
• Track 1 : BruhMoment_50
• Track 2 : Seahorse_96, Gorpy_88, Richie_93, Sakai_87
• Track 3 : MidnightRain_97
• Track 4 : Persistence_85
• Track 5 : MUWow_91
• Track 6 : BenchScraper_90
• Track 7 : Alatato_43

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 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alatato_43, BenchScraper_90, BruhMoment_50, Gorpy_88, MUWow_91, MidnightRain_97, Persistence_85, Richie_93, Sakai_87, Seahorse_96,

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

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

Summary by start number:

Start 3:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alatato_43 (FB), BenchScraper_90 (AY), BruhMoment_50 (AP3), Gorpy_88 (AY), MUWow_91 (AY), MidnightRain_97 (AY), Persistence_85 (AY), Richie_93 (AY), Sakai_87 (AY), Seahorse_96 (AY),

Summary by clusters:

There are 3 clusters represented in this pham: AY, AP3, FB,

Info for manual annotations of cluster AP3:
•Start number 3 was manually annotated 1 time for cluster AP3.

Info for manual annotations of cluster AY:
•Start number 3 was manually annotated 7 times for cluster AY.

Gene Information:

Gene: Alatato_43 Start: 27741, Stop: 28007, Start Num: 3
Candidate Starts for Alatato_43:
(1, 27651), (Start: 3 @27741 has 8 MA's), (8, 27906), (9, 27918), (10, 27921),

Gene: BenchScraper_90 Start: 48171, Stop: 48425, Start Num: 3
Candidate Starts for BenchScraper_90:
(Start: 3 @48171 has 8 MA's), (16, 48411),

Gene: BruhMoment_50 Start: 39910, Stop: 39683, Start Num: 3
Candidate Starts for BruhMoment_50:
(2, 39913), (Start: 3 @39910 has 8 MA's), (4, 39862), (6, 39817), (7, 39814),

Gene: Gorpy_88 Start: 50899, Stop: 51153, Start Num: 3
Candidate Starts for Gorpy_88:
(Start: 3 @50899 has 8 MA's), (10, 51064), (16, 51139),

Gene: MUWow_91 Start: 50937, Stop: 51179, Start Num: 3
Candidate Starts for MUWow_91:
(Start: 3 @50937 has 8 MA's), (5, 50973), (11, 51117), (14, 51141),

Gene: MidnightRain_97 Start: 51392, Stop: 51628, Start Num: 3
Candidate Starts for MidnightRain_97:
(Start: 3 @51392 has 8 MA's), (5, 51431), (9, 51536), (10, 51539),

Gene: Persistence_85 Start: 47551, Stop: 47787, Start Num: 3
Candidate Starts for Persistence_85:
(Start: 3 @47551 has 8 MA's), (12, 47743), (13, 47749), (15, 47764),

Gene: Richie_93 Start: 50743, Stop: 50997, Start Num: 3
Candidate Starts for Richie_93:
(Start: 3 @50743 has 8 MA's), (10, 50908), (16, 50983),

Gene: Sakai_87 Start: 49610, Stop: 49864, Start Num: 3
Candidate Starts for Sakai_87:
(Start: 3 @49610 has 8 MA's), (10, 49775), (16, 49850),

Gene: Seahorse_96 Start: 54256, Stop: 54510, Start Num: 3
Candidate Starts for Seahorse_96:
(Start: 3 @54256 has 8 MA's), (10, 54421), (16, 54496),