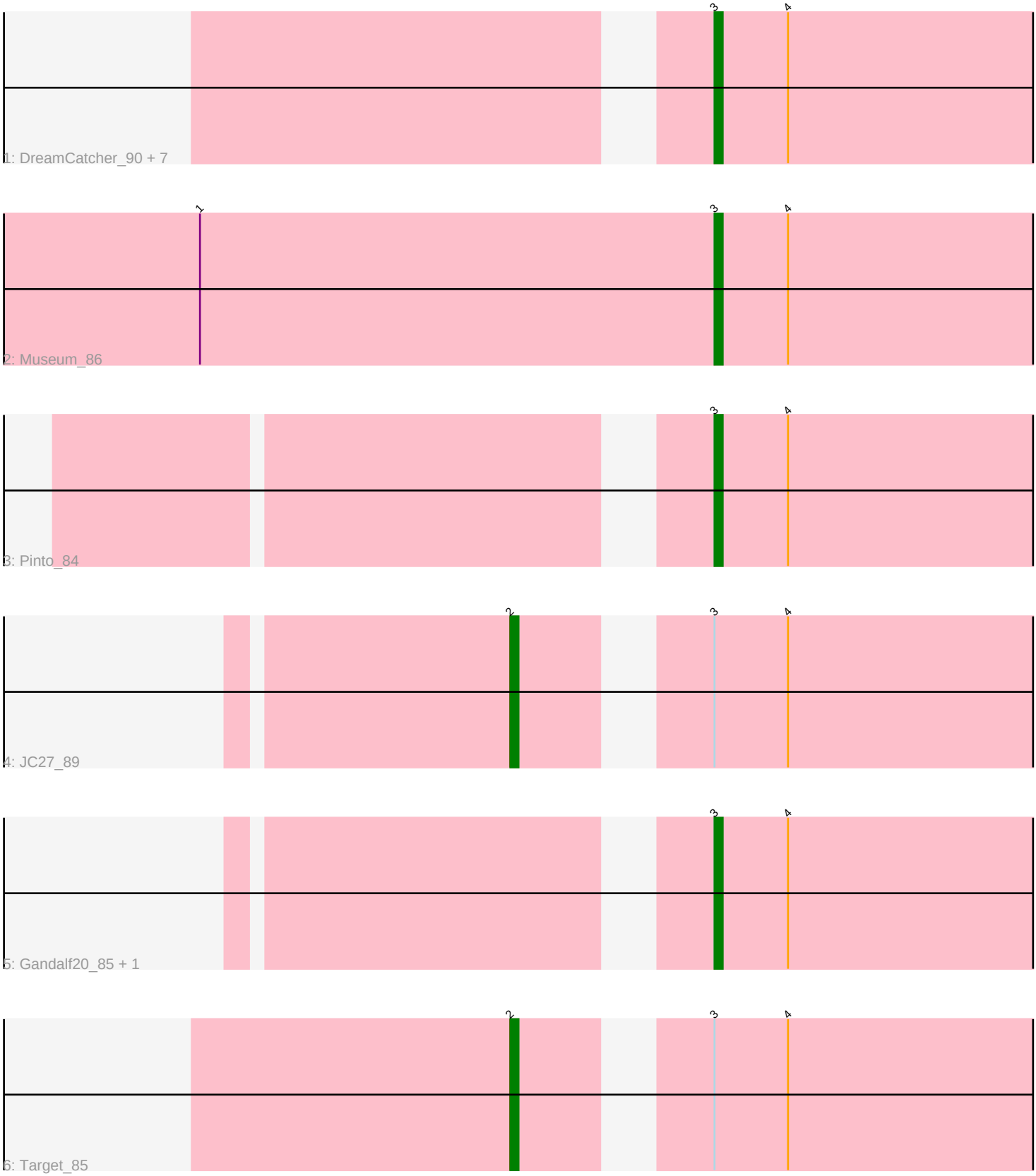
Pham 106697


3
4
1: DreamCatcher_90 + 7
1
3
4
2: Museum_86
3
4
3: Pinto_84
2
3
4
4: JC27_89
3
4
5: Gandalf20_85 + 1
2
3
4
6: Target_85

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 106697 Report

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

Pham number 106697 has 14 members, 0 are drafts.

Phages represented in each track:
• Track 1 : DreamCatcher_90, Niza_84, Lockley_86, Magnar_83, Jasper_85, Kugel_86, KBG_83, Manatee_84
• Track 2 : Museum_86
• Track 3 : Pinto_84
• Track 4 : JC27_89
• Track 5 : Gandalf20_85, HermioneGrange_89
• Track 6 : Target_85

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 12 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• DreamCatcher_90, Gandalf20_85, HermioneGrange_89, Jasper_85, KBG_83, Kugel_86, Lockley_86, Magnar_83, Manatee_84, Museum_86, Niza_84, Pinto_84,

Genes that have the "Most Annotated" start but do not call it:
• JC27_89, Target_85,

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

Summary by start number:

Start 2:
• Found in 2 of 14 (14.3%) of genes in pham
• Manual Annotations of this start: 2 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: JC27_89 (A1), Target_85 (A1),

Start 3:
• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 12 of 14

• Called 85.7% of time when present
• Phage (with cluster) where this start called: DreamCatcher_90 (A1), Gandalf20_85 (A1), HermioneGrange_89 (A1), Jasper_85 (A1), KBG_83 (A1), Kugel_86 (A1), Lockley_86 (A1), Magnar_83 (A1), Manatee_84 (A1), Museum_86 (A1), Niza_84 (A1), Pinto_84 (A1),

Summary by clusters:

There is one cluster represented in this pham: A1

Info for manual annotations of cluster A1:
•Start number 2 was manually annotated 2 times for cluster A1.
•Start number 3 was manually annotated 12 times for cluster A1.

Gene Information:

Gene: DreamCatcher_90 Start: 49585, Stop: 49517, Start Num: 3
Candidate Starts for DreamCatcher_90:
(Start: 3 @49585 has 12 MA's), (4, 49576),

Gene: Gandalf20_85 Start: 48976, Stop: 48908, Start Num: 3
Candidate Starts for Gandalf20_85:
(Start: 3 @48976 has 12 MA's), (4, 48967),

Gene: HermioneGrange_89 Start: 50545, Stop: 50477, Start Num: 3
Candidate Starts for HermioneGrange_89:
(Start: 3 @50545 has 12 MA's), (4, 50536),

Gene: JC27_89 Start: 49575, Stop: 49489, Start Num: 2
Candidate Starts for JC27_89:
(Start: 2 @49575 has 2 MA's), (Start: 3 @49557 has 12 MA's), (4, 49548),

Gene: Jasper_85 Start: 48014, Stop: 47946, Start Num: 3
Candidate Starts for Jasper_85:
(Start: 3 @48014 has 12 MA's), (4, 48005),

Gene: KBG_83 Start: 50161, Stop: 50093, Start Num: 3
Candidate Starts for KBG_83:
(Start: 3 @50161 has 12 MA's), (4, 50152),

Gene: Kugel_86 Start: 49355, Stop: 49287, Start Num: 3
Candidate Starts for Kugel_86:
(Start: 3 @49355 has 12 MA's), (4, 49346),

Gene: Lockley_86 Start: 49085, Stop: 49017, Start Num: 3
Candidate Starts for Lockley_86:
(Start: 3 @49085 has 12 MA's), (4, 49076),

Gene: Magnar_83 Start: 48233, Stop: 48165, Start Num: 3
Candidate Starts for Magnar_83:
(Start: 3 @48233 has 12 MA's), (4, 48224),

Gene: Manatee_84 Start: 47742, Stop: 47674, Start Num: 3
Candidate Starts for Manatee_84:
(Start: 3 @47742 has 12 MA's), (4, 47733),

Gene: Museum_86 Start: 49475, Stop: 49407, Start Num: 3
Candidate Starts for Museum_86:
(1, 49538), (Start: 3 @49475 has 12 MA's), (4, 49466),

Gene: Niza_84 Start: 49472, Stop: 49404, Start Num: 3
Candidate Starts for Niza_84:
(Start: 3 @49472 has 12 MA's), (4, 49463),

Gene: Pinto_84 Start: 49035, Stop: 48967, Start Num: 3
Candidate Starts for Pinto_84:
(Start: 3 @49035 has 12 MA's), (4, 49026),

Gene: Target_85 Start: 47550, Stop: 47464, Start Num: 2
Candidate Starts for Target_85:
(Start: 2 @47550 has 2 MA's), (Start: 3 @47532 has 12 MA's), (4, 47523),