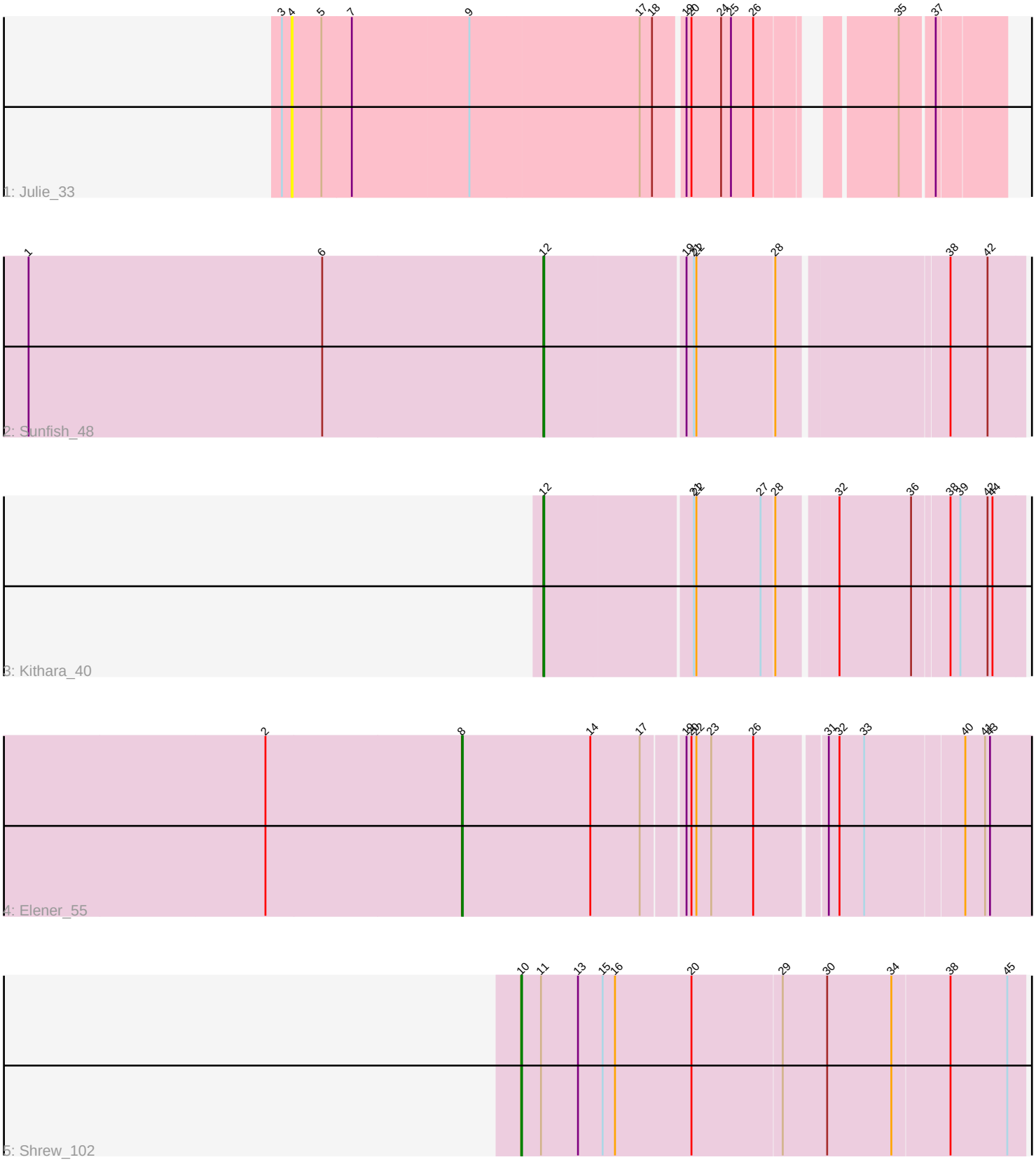
Pham 201166



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 201166 Report

This analysis was run 01/18/25 on database version 583.

Pham number 201166 has 5 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Julie_33
• Track 2 : Sunfish_48
• Track 3 : Kithara_40
• Track 4 : Elener_55
• Track 5 : Shrew_102

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

The start number called the most often in the published annotations is 12, it was called in 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Kithara_40, Sunfish_48,

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

Genes that do not have the "Most Annotated" start:
• Elener_55, Julie_33, Shrew_102,

Summary by start number:

Start 4:
• Found in 1 of 5 (20.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Julie_33 (FF),

Start 8:
• Found in 1 of 5 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Elener_55 (singleton),

Start 10:
• Found in 1 of 5 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Shrew_102 (singleton),

Start 12:
• Found in 2 of 5 (40.0%) of genes in pham
• Manual Annotations of this start: 2 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kithara_40 (singleton), Sunfish_48 (singleton),

Summary by clusters:

There are 2 clusters represented in this pham: singleton, FF,

Gene Information:

Gene: Elener_55 Start: 33306, Stop: 33974, Start Num: 8
Candidate Starts for Elener_55:
(2, 33069), (Start: 8 @33306 has 1 MA's), (14, 33462), (17, 33519), (19, 33567), (20, 33573), (22, 33579), (23, 33597), (26, 33648), (31, 33729), (32, 33741), (33, 33771), (40, 33888), (41, 33912), (43, 33918),

Gene: Julie_33 Start: 26334, Stop: 25534, Start Num: 4
Candidate Starts for Julie_33:
(3, 26346), (4, 26334), (5, 26298), (7, 26262), (9, 26121), (17, 25917), (18, 25902), (19, 25869), (20, 25863), (24, 25827), (25, 25815), (26, 25788), (35, 25653), (37, 25614),

Gene: Kithara_40 Start: 34942, Stop: 35496, Start Num: 12
Candidate Starts for Kithara_40:
(Start: 12 @34942 has 2 MA's), (21, 35116), (22, 35119), (27, 35197), (28, 35212), (32, 35278), (36, 35365), (38, 35407), (39, 35419), (42, 35452), (44, 35458),

Gene: Shrew_102 Start: 60031, Stop: 60636, Start Num: 10
Candidate Starts for Shrew_102:
(Start: 10 @60031 has 1 MA's), (11, 60055), (13, 60100), (15, 60130), (16, 60145), (20, 60238), (29, 60346), (30, 60400), (34, 60478), (38, 60547), (45, 60616),

Gene: Sunfish_48 Start: 35152, Stop: 35706, Start Num: 12
Candidate Starts for Sunfish_48:
(1, 34528), (6, 34885), (Start: 12 @35152 has 2 MA's), (19, 35317), (21, 35326), (22, 35329), (28, 35422), (38, 35617), (42, 35662),