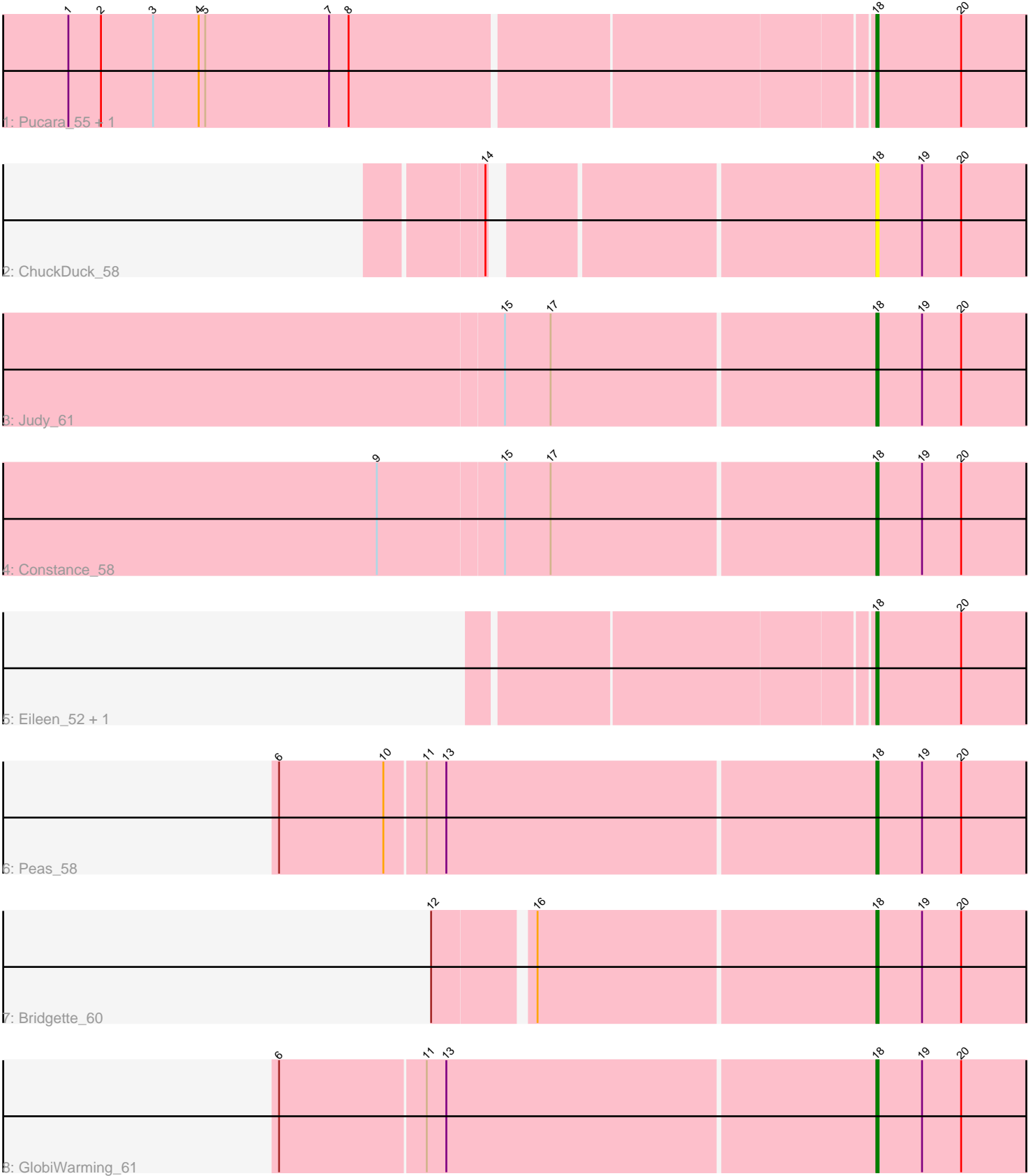# Pham 6803

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 6803 Report

This analysis was run 04/28/24 on database version 559.

Pham number 6803 has 10 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Pucara_55, PeggyLeg03_58
• Track 2 : ChuckDuck_58
• Track 3 : Judy_61
• Track 4 : Constance_58
• Track 5 : Eileen_52, Karkharias_58
• Track 6 : Peas_58
• Track 7 : Bridgette_60
• Track 8 : GlobiWarming_61


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

The start number called the most often in the published annotations is 18, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bridgette_60, ChuckDuck_58, Constance_58, Eileen_52, GlobiWarming_61, Judy_61, Karkharias_58, Peas_58, PeggyLeg03_58, Pucara_55,

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 18:
• Found in 10 of 10 ( 100.0% ) of genes in pham
• Manual Annotations of this start: 7 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bridgette_60 (FA), ChuckDuck_58 (FA), Constance_58 (FA), Eileen_52 (FA), GlobiWarming_61 (FA), Judy_61 (FA), Karkharias_58 (FA), Peas_58 (FA), PeggyLeg03_58 (FA), Pucara_55 (FA),

**Summary by clusters:**

There is one cluster represented in this pham: FA

Info for manual annotations of cluster FA:
•Start number 18 was manually annotated 7 times for cluster FA.


### *Gene Information:*

Gene: Bridgette_60 Start: 36611, Stop: 36835, Start Num: 18
Candidate Starts for Bridgette_60:
(12, 36416), (16, 36458), (Start: 18 @36611 has 7 MA's), (19, 36632), (20, 36650),

Gene: ChuckDuck_58 Start: 36318, Stop: 36542, Start Num: 18
Candidate Starts for ChuckDuck_58:
(14, 36153), (Start: 18 @36318 has 7 MA's), (19, 36339), (20, 36357),

Gene: Constance_58 Start: 36916, Stop: 37140, Start Num: 18
Candidate Starts for Constance_58:
(9, 36691), (15, 36748), (17, 36769), (Start: 18 @36916 has 7 MA's), (19, 36937), (20, 36955),

Gene: Eileen_52 Start: 33786, Stop: 34010, Start Num: 18
Candidate Starts for Eileen_52:
(Start: 18 @33786 has 7 MA's), (20, 33825),

Gene: GlobiWarming_61 Start: 36117, Stop: 36341, Start Num: 18
Candidate Starts for GlobiWarming_61:
(6, 35847), (11, 35913), (13, 35922), (Start: 18 @36117 has 7 MA's), (19, 36138), (20, 36156),

Gene: Judy_61 Start: 37029, Stop: 37295, Start Num: 18
Candidate Starts for Judy_61:
(15, 36861), (17, 36882), (Start: 18 @37029 has 7 MA's), (19, 37050), (20, 37068),

Gene: Karkharias_58 Start: 35937, Stop: 36161, Start Num: 18
Candidate Starts for Karkharias_58:
(Start: 18 @35937 has 7 MA's), (20, 35976),

Gene: Peas_58 Start: 37755, Stop: 37979, Start Num: 18
Candidate Starts for Peas_58:
(6, 37485), (10, 37533), (11, 37551), (13, 37560), (Start: 18 @37755 has 7 MA's), (19, 37776), (20, 37794),

Gene: PeggyLeg03_58 Start: 36409, Stop: 36633, Start Num: 18
Candidate Starts for PeggyLeg03_58:
(1, 36049), (2, 36064), (3, 36088), (4, 36109), (5, 36112), (7, 36169), (8, 36178), (Start: 18 @36409 has 7 MA's), (20, 36448),

Gene: Pucara_55 Start: 36014, Stop: 36238, Start Num: 18
Candidate Starts for Pucara_55:
(1, 35654), (2, 35669), (3, 35693), (4, 35714), (5, 35717), (7, 35774), (8, 35783), (Start: 18 @36014 has 7 MA's), (20, 36053),