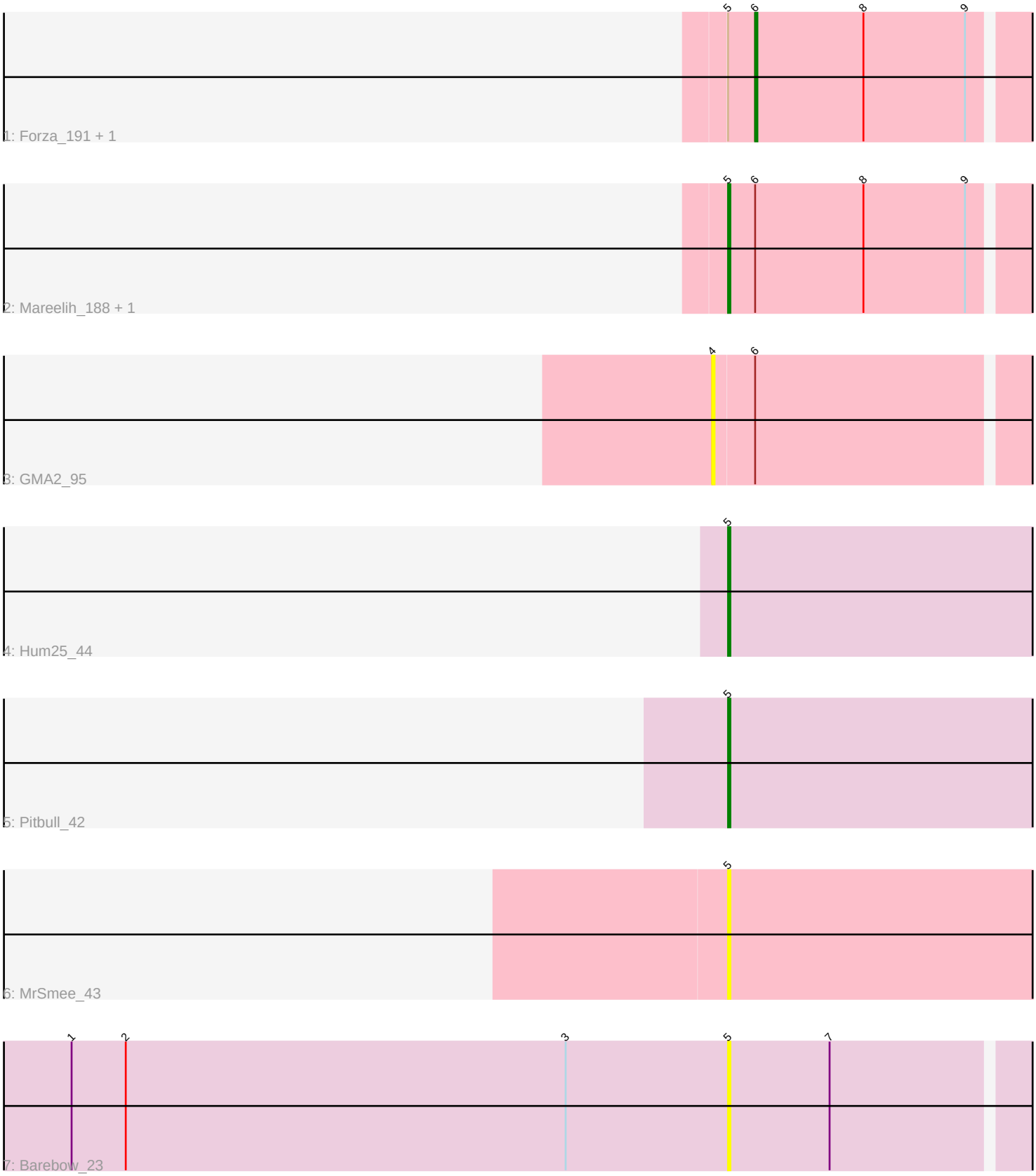
Pham 195904


5
6
8
9
1: Forza_191 + 1
5
6
8
9
2: Mareelih_188 + 1
4
6
3: GMA2_95
5
4: Hum25_44
5
5: Pitbull_42
5
6: MrSmee_43
1
2
3
5
7
7: Barebow_23

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 195904 Report

This analysis was run 12/09/24 on database version 580.

Pham number 195904 has 9 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Forza_191, BlueNGold_187
• Track 2 : Mareelih_188, Boopy_191
• Track 3 : GMA2_95
• Track 4 : Hum25_44
• Track 5 : Pitbull_42
• Track 6 : MrSmee_43
• Track 7 : Barebow_23

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

The start number called the most often in the published annotations is 5, it was called in 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Barebow_23, Boopy_191, Hum25_44, Mareelih_188, MrSmee_43, Pitbull_42,

Genes that have the "Most Annotated" start but do not call it:
• BlueNGold_187, Forza_191,

Genes that do not have the "Most Annotated" start:
• GMA2_95,

Summary by start number:

Start 4:
• Found in 1 of 9 (11.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GMA2_95 (DS),

Start 5:
• Found in 8 of 9 (88.9%) of genes in pham
• Manual Annotations of this start: 4 of 6
• Called 75.0% of time when present

• Phage (with cluster) where this start called: Barebow_23 (singleton), Boopy_191 (DS), Hum25_44 (FQ), Mareelih_188 (DS), MrSmee_43 (UNK), Pitbull_42 (FQ),

Start 6:
• Found in 5 of 9 (55.6%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 40.0% of time when present
• Phage (with cluster) where this start called: BlueNGold_187 (DS), Forza_191 (DS),

Summary by clusters:

There are 4 clusters represented in this pham: FQ, singleton, UNK, DS,

Info for manual annotations of cluster DS:
•Start number 5 was manually annotated 2 times for cluster DS.
•Start number 6 was manually annotated 2 times for cluster DS.

Info for manual annotations of cluster FQ:
•Start number 5 was manually annotated 2 times for cluster FQ.

Gene Information:

Gene: Barebow_23 Start: 17257, Stop: 17445, Start Num: 5
Candidate Starts for Barebow_23:
(1, 16966), (2, 16990), (3, 17185), (Start: 5 @17257 has 4 MA's), (7, 17302),

Gene: BlueNGold_187 Start: 109354, Stop: 109548, Start Num: 6
Candidate Starts for BlueNGold_187:
(Start: 5 @109342 has 4 MA's), (Start: 6 @109354 has 2 MA's), (8, 109402), (9, 109447),

Gene: Boopy_191 Start: 109353, Stop: 109559, Start Num: 5
Candidate Starts for Boopy_191:
(Start: 5 @109353 has 4 MA's), (Start: 6 @109365 has 2 MA's), (8, 109413), (9, 109458),

Gene: Forza_191 Start: 109282, Stop: 109476, Start Num: 6
Candidate Starts for Forza_191:
(Start: 5 @109270 has 4 MA's), (Start: 6 @109282 has 2 MA's), (8, 109330), (9, 109375),

Gene: GMA2_95 Start: 87367, Stop: 87170, Start Num: 4
Candidate Starts for GMA2_95:
(4, 87367), (Start: 6 @87349 has 2 MA's),

Gene: Hum25_44 Start: 27639, Stop: 27827, Start Num: 5
Candidate Starts for Hum25_44:
(Start: 5 @27639 has 4 MA's),

Gene: Mareelih_188 Start: 108788, Stop: 108994, Start Num: 5
Candidate Starts for Mareelih_188:
(Start: 5 @108788 has 4 MA's), (Start: 6 @108800 has 2 MA's), (8, 108848), (9, 108893),

Gene: MrSmee_43 Start: 28469, Stop: 28657, Start Num: 5
Candidate Starts for MrSmee_43:
(Start: 5 @28469 has 4 MA's),

Gene: Pitbull_42 Start: 26865, Stop: 27053, Start Num: 5
Candidate Starts for Pitbull_42:
(Start: 5 @26865 has 4 MA's),