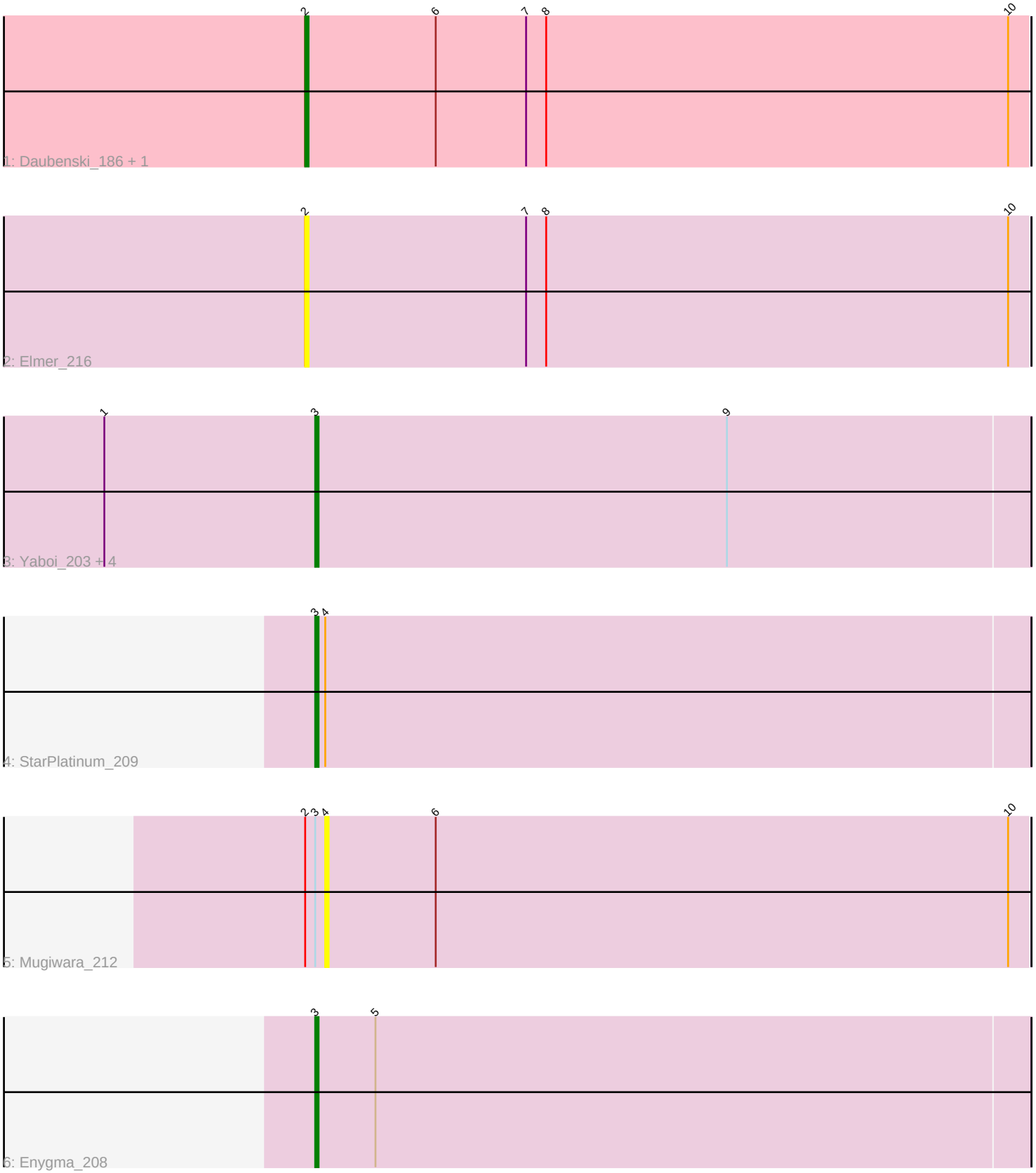
Pham 6567


2
6
7
8
10
1: Daubenski_186 + 1
2
7
8
10
2: Elmer_216
1
3
9
3: Yaboi_203 + 4
3
4
4: StarPlatinum_209
2
3
4
6
10
5: Mugiwara_212
3
5
6: Enygma_208

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 6567 Report

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

Pham number 6567 has 11 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Daubenski_186, Wofford_201
• Track 2 : Elmer_216
• Track 3 : Yaboi_203, Stanimal_198, Sollertia_199, BoomerJR_198, Genie2_198
• Track 4 : StarPlatinum_209
• Track 5 : Mugiwara_212
• Track 6 : Enygma_208

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 7 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BoomerJR_198, Enygma_208, Genie2_198, Sollertia_199, Stanimal_198, StarPlatinum_209, Yaboi_203,

Genes that have the "Most Annotated" start but do not call it:
• Mugiwara_212,

Genes that do not have the "Most Annotated" start:
• Daubenski_186, Elmer_216, Wofford_201,

Summary by start number:

Start 2:
• Found in 4 of 11 (36.4%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Daubenski_186 (BE1), Elmer_216 (BE2), Wofford_201 (BE2),

Start 3:
• Found in 8 of 11 (72.7%) of genes in pham
• Manual Annotations of this start: 7 of 9

• Called 87.5% of time when present
• Phage (with cluster) where this start called: BoomerJR_198 (BE2), Enygma_208 (BE2), Genie2_198 (BE2), Sollertia_199 (BE2), Stanimal_198 (BE2), StarPlatinum_209 (BE2), Yaboi_203 (BE2),

Start 4:
• Found in 2 of 11 (18.2%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Mugiwara_212 (BE2),

Summary by clusters:

There are 2 clusters represented in this pham: BE2, BE1,

Info for manual annotations of cluster BE1:
•Start number 2 was manually annotated 1 time for cluster BE1.

Info for manual annotations of cluster BE2:
•Start number 2 was manually annotated 1 time for cluster BE2.
•Start number 3 was manually annotated 7 times for cluster BE2.

Gene Information:

Gene: BoomerJR_198 Start: 100624, Stop: 100836, Start Num: 3
Candidate Starts for BoomerJR_198:
(1, 100561), (Start: 3 @100624 has 7 MA's), (9, 100747),

Gene: Daubenski_186 Start: 101318, Stop: 101533, Start Num: 2
Candidate Starts for Daubenski_186:
(Start: 2 @101318 has 2 MA's), (6, 101357), (7, 101384), (8, 101390), (10, 101528),

Gene: Elmer_216 Start: 104058, Stop: 104273, Start Num: 2
Candidate Starts for Elmer_216:
(Start: 2 @104058 has 2 MA's), (7, 104124), (8, 104130), (10, 104268),

Gene: Enygma_208 Start: 103614, Stop: 103826, Start Num: 3
Candidate Starts for Enygma_208:
(Start: 3 @103614 has 7 MA's), (5, 103632),

Gene: Genie2_198 Start: 100738, Stop: 100950, Start Num: 3
Candidate Starts for Genie2_198:
(1, 100675), (Start: 3 @100738 has 7 MA's), (9, 100861),

Gene: Mugiwara_212 Start: 103016, Stop: 103225, Start Num: 4
Candidate Starts for Mugiwara_212:
(Start: 2 @103010 has 2 MA's), (Start: 3 @103013 has 7 MA's), (4, 103016), (6, 103049), (10, 103220),

Gene: Sollertia_199 Start: 100738, Stop: 100950, Start Num: 3
Candidate Starts for Sollertia_199:

(1, 100675), (Start: 3 @100738 has 7 MA's), (9, 100861),

Gene: Stanimal_198 Start: 101099, Stop: 101311, Start Num: 3
Candidate Starts for Stanimal_198:
(1, 101036), (Start: 3 @101099 has 7 MA's), (9, 101222),

Gene: StarPlatinum_209 Start: 102921, Stop: 103133, Start Num: 3
Candidate Starts for StarPlatinum_209:
(Start: 3 @102921 has 7 MA's), (4, 102924),

Gene: Wofford_201 Start: 103926, Stop: 104141, Start Num: 2
Candidate Starts for Wofford_201:
(Start: 2 @103926 has 2 MA's), (6, 103965), (7, 103992), (8, 103998), (10, 104136),

Gene: Yaboi_203 Start: 100673, Stop: 100885, Start Num: 3
Candidate Starts for Yaboi_203:
(1, 100610), (Start: 3 @100673 has 7 MA's), (9, 100796),