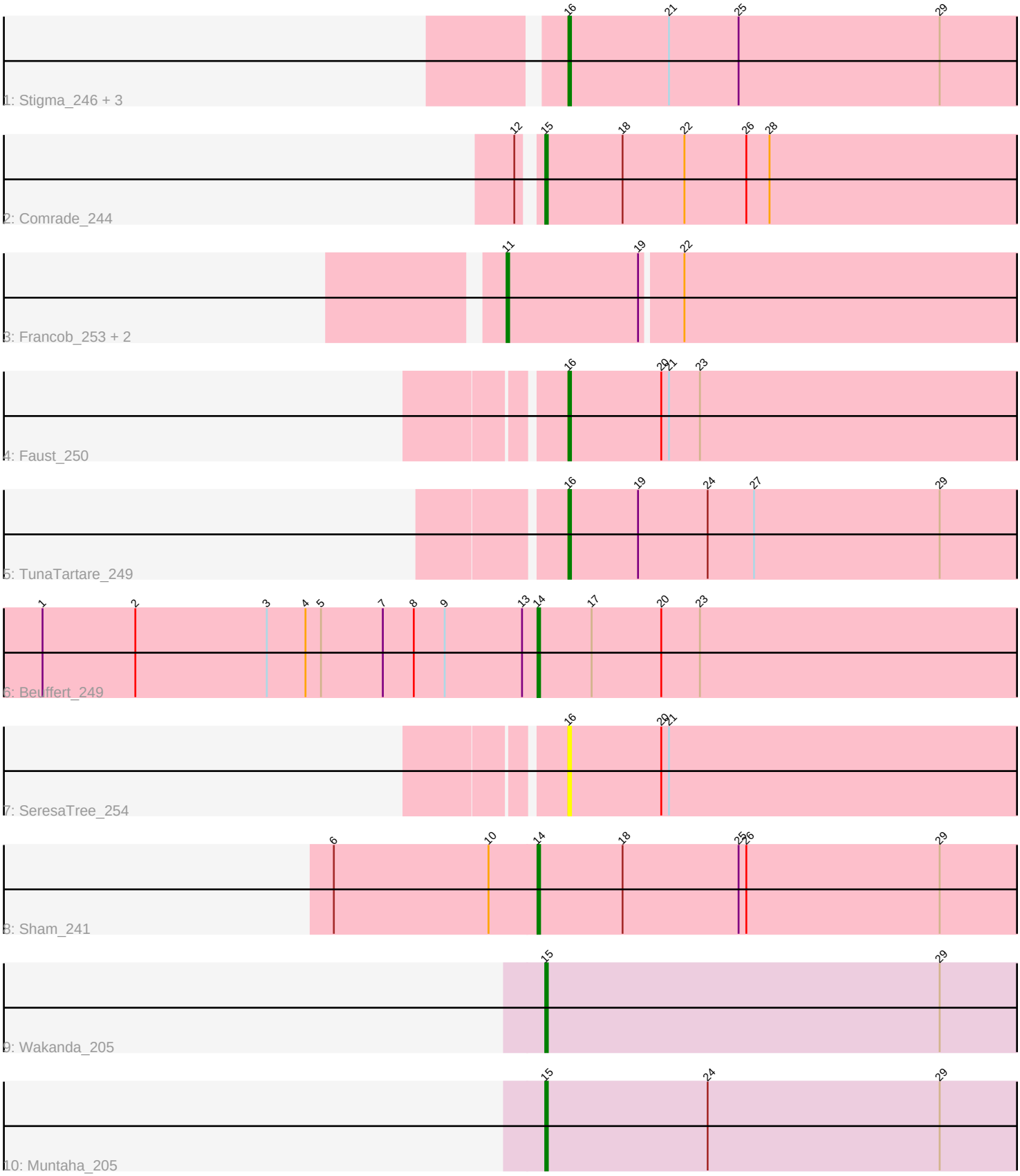
Pham 4898


16
21
25
29
1: Stigma_246 + 3
12
15
18
22
26
28
2: Comrade_244
11
19
22
3: Francob_253 + 2
16
20
21
23
4: Faust_250
16
19
24
27
29
5: TunaTartare_249
1
2
3
4
5
7
8
9
13
14
17
20
23
6: Beuffert_249
16
20
21
7: SeresaTree_254
6
10
14
18
25
26
29
8: Sham_241
15
29
9: Wakanda_205
15
24
29
10: Muntaha_205

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 4898 Report

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

Pham number 4898 has 15 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Stigma_246, Karp_248, SparkleGoddess_248, Belfort_249
• Track 2 : Comrade_244
• Track 3 : Francob_253, Emma1919_249, Gilson_249
• Track 4 : Faust_250
• Track 5 : TunaTartare_249
• Track 6 : Beuffert_249
• Track 7 : SeresaTree_254
• Track 8 : Sham_241
• Track 9 : Wakanda_205
• Track 10 : Muntaha_205

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

The start number called the most often in the published annotations is 16, it was called in 6 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Belfort_249, Faust_250, Karp_248, SeresaTree_254, SparkleGoddess_248, Stigma_246, TunaTartare_249,

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

Genes that do not have the "Most Annotated" start:
• Beuffert_249, Comrade_244, Emma1919_249, Francob_253, Gilson_249, Muntaha_205, Sham_241, Wakanda_205,

Summary by start number:

Start 11:
• Found in 3 of 15 (20.0%) of genes in pham
• Manual Annotations of this start: 3 of 14
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Emma1919_249 (BK1), Francob_253 (BK1), Gilson_249 (BK1),

Start 14:
• Found in 2 of 15 (13.3%) 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: Beuffert_249 (BK1), Sham_241 (BK1),

Start 15:
• Found in 3 of 15 (20.0%) of genes in pham
• Manual Annotations of this start: 3 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Comrade_244 (BK1), Muntaha_205 (BK2), Wakanda_205 (BK2),

Start 16:
• Found in 7 of 15 (46.7%) of genes in pham
• Manual Annotations of this start: 6 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Belfort_249 (BK1), Faust_250 (BK1), Karp_248 (BK1), SeresaTree_254 (BK1), SparkleGoddess_248 (BK1), Stigma_246 (BK1), TunaTartare_249 (BK1),

Summary by clusters:

There are 2 clusters represented in this pham: BK1, BK2,

Info for manual annotations of cluster BK1:
•Start number 11 was manually annotated 3 times for cluster BK1.
•Start number 14 was manually annotated 2 times for cluster BK1.
•Start number 15 was manually annotated 1 time for cluster BK1.
•Start number 16 was manually annotated 6 times for cluster BK1.

Info for manual annotations of cluster BK2:
•Start number 15 was manually annotated 2 times for cluster BK2.

Gene Information:

Gene: Belfort_249 Start: 118624, Stop: 118818, Start Num: 16
Candidate Starts for Belfort_249:
(Start: 16 @118624 has 6 MA's), (21, 118663), (25, 118690), (29, 118768),

Gene: Beuffert_249 Start: 119455, Stop: 119661, Start Num: 14
Candidate Starts for Beuffert_249:
(1, 119263), (2, 119299), (3, 119350), (4, 119365), (5, 119371), (7, 119395), (8, 119407), (9, 119419), (13, 119449), (Start: 14 @119455 has 2 MA's), (17, 119476), (20, 119503), (23, 119518),

Gene: Comrade_244 Start: 118757, Stop: 118960, Start Num: 15
Candidate Starts for Comrade_244:

(12, 118751), (Start: 15 @118757 has 3 MA's), (18, 118787), (22, 118811), (26, 118835), (28, 118844),

Gene: Emma1919_249 Start: 117219, Stop: 117434, Start Num: 11
Candidate Starts for Emma1919_249:
(Start: 11 @117219 has 3 MA's), (19, 117270), (22, 117285),

Gene: Faust_250 Start: 120263, Stop: 120457, Start Num: 16
Candidate Starts for Faust_250:
(Start: 16 @120263 has 6 MA's), (20, 120299), (21, 120302), (23, 120314),

Gene: Francob_253 Start: 118714, Stop: 118929, Start Num: 11
Candidate Starts for Francob_253:
(Start: 11 @118714 has 3 MA's), (19, 118765), (22, 118780),

Gene: Gilson_249 Start: 117979, Stop: 118194, Start Num: 11
Candidate Starts for Gilson_249:
(Start: 11 @117979 has 3 MA's), (19, 118030), (22, 118045),

Gene: Karp_248 Start: 120222, Stop: 120416, Start Num: 16
Candidate Starts for Karp_248:
(Start: 16 @120222 has 6 MA's), (21, 120261), (25, 120288), (29, 120366),

Gene: Muntaha_205 Start: 103073, Stop: 103276, Start Num: 15
Candidate Starts for Muntaha_205:
(Start: 15 @103073 has 3 MA's), (24, 103136), (29, 103226),

Gene: SeresaTree_254 Start: 120488, Stop: 120682, Start Num: 16
Candidate Starts for SeresaTree_254:
(Start: 16 @120488 has 6 MA's), (20, 120524), (21, 120527),

Gene: Sham_241 Start: 120336, Stop: 120542, Start Num: 14
Candidate Starts for Sham_241:
(6, 120261), (10, 120321), (Start: 14 @120336 has 2 MA's), (18, 120369), (25, 120414), (26, 120417), (29, 120492),

Gene: SparkleGoddess_248 Start: 119497, Stop: 119691, Start Num: 16
Candidate Starts for SparkleGoddess_248:
(Start: 16 @119497 has 6 MA's), (21, 119536), (25, 119563), (29, 119641),

Gene: Stigma_246 Start: 119209, Stop: 119403, Start Num: 16
Candidate Starts for Stigma_246:
(Start: 16 @119209 has 6 MA's), (21, 119248), (25, 119275), (29, 119353),

Gene: TunaTartare_249 Start: 122307, Stop: 122501, Start Num: 16
Candidate Starts for TunaTartare_249:
(Start: 16 @122307 has 6 MA's), (19, 122334), (24, 122361), (27, 122379), (29, 122451),

Gene: Wakanda_205 Start: 103308, Stop: 103511, Start Num: 15
Candidate Starts for Wakanda_205:
(Start: 15 @103308 has 3 MA's), (29, 103461),