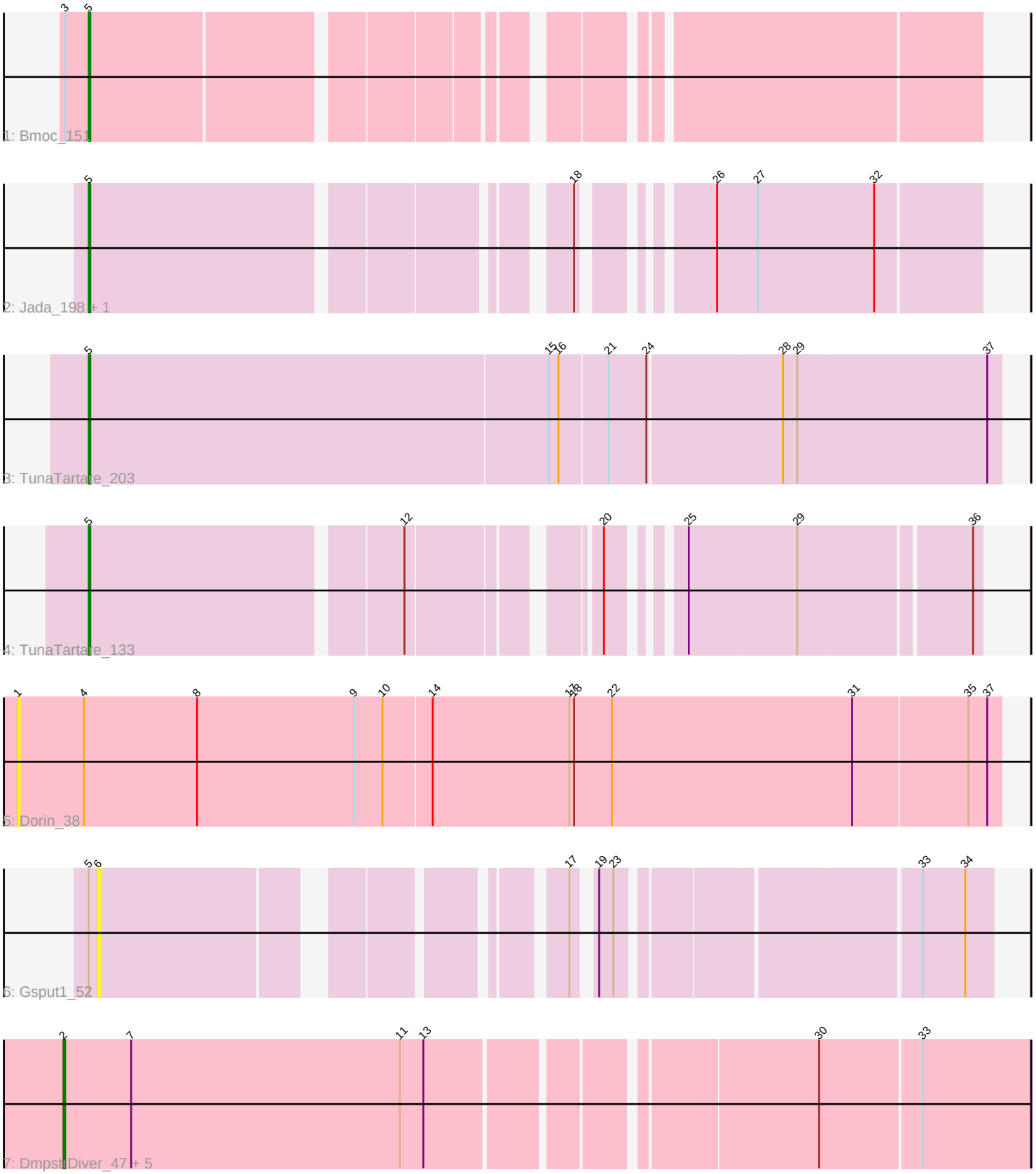
Pham 165392


3
5
1: Bmoc_151
5
18
26
27
32
2: Jada_198 + 1
5
15
16
21
24
28
29
37
3: TunaTartare_203
5
12
20
25
29
36
4: TunaTartare_133
1
4
8
9
10
14
17
18
22
31
35
37
5: Dorin_38
5
6
17
19
23
33
34
6: Gsput1_52
2
7
11
13
30
33
7: DmpstDiver_47 + 5

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 165392 Report

This analysis was run 07/09/24 on database version 566.

Pham number 165392 has 13 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Bmoc_151
• Track 2 : Jada_198, Forrest_200
• Track 3 : TunaTartare_203
• Track 4 : TunaTartare_133
• Track 5 : Dorin_38
• Track 6 : Gsput1_52
• Track 7 : DmpstrDiver_47, BAKA_50, Minerva_52, Duke13_49, Optimus_51, Wanda_52

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

The start number called the most often in the published annotations is 2, it was called in 6 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BAKA_50, DmpstrDiver_47, Duke13_49, Minerva_52, Optimus_51, Wanda_52,

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

Genes that do not have the "Most Annotated" start:
• Bmoc_151, Dorin_38, Forrest_200, Gsput1_52, Jada_198, TunaTartare_133, TunaTartare_203,

Summary by start number:

Start 1:
• Found in 1 of 13 (7.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dorin_38 (CG),

Start 2:
• Found in 6 of 13 (46.2%) of genes in pham

• Manual Annotations of this start: 6 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BAKA_50 (J), DmpstrDiver_47 (J), Duke13_49 (J), Minerva_52 (J), Optimus_51 (J), Wanda_52 (J),

Start 5:
• Found in 6 of 13 (46.2%) of genes in pham
• Manual Annotations of this start: 5 of 11
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Bmoc_151 (BE1), Forrest_200 (BK1), Jada_198 (BK1), TunaTartare_133 (BK1), TunaTartare_203 (BK1),

Start 6:
• Found in 1 of 13 (7.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gsput1_52 (CU2),

Summary by clusters:

There are 5 clusters represented in this pham: J, BE1, CG, CU2, BK1,

Info for manual annotations of cluster BE1:
•Start number 5 was manually annotated 1 time for cluster BE1.

Info for manual annotations of cluster BK1:
•Start number 5 was manually annotated 4 times for cluster BK1.

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

Gene Information:

Gene: BAKA_50 Start: 40286, Stop: 40870, Start Num: 2
Candidate Starts for BAKA_50:
(Start: 2 @40286 has 6 MA's), (7, 40328), (11, 40499), (13, 40514), (30, 40739), (33, 40802),

Gene: Bmoc_151 Start: 88009, Stop: 88512, Start Num: 5
Candidate Starts for Bmoc_151:
(3, 87994), (Start: 5 @88009 has 5 MA's),

Gene: DmpstrDiver_47 Start: 39715, Stop: 40299, Start Num: 2
Candidate Starts for DmpstrDiver_47:
(Start: 2 @39715 has 6 MA's), (7, 39757), (11, 39928), (13, 39943), (30, 40168), (33, 40231),

Gene: Dorin_38 Start: 19007, Stop: 19627, Start Num: 1
Candidate Starts for Dorin_38:
(1, 19007), (4, 19049), (8, 19121), (9, 19220), (10, 19238), (14, 19268), (17, 19355), (18, 19358), (22, 19382), (31, 19535), (35, 19607), (37, 19619),

Gene: Duke13_49 Start: 40033, Stop: 40617, Start Num: 2
Candidate Starts for Duke13_49:
(Start: 2 @40033 has 6 MA's), (7, 40075), (11, 40246), (13, 40261), (30, 40486), (33, 40549),

Gene: Forrest_200 Start: 100263, Stop: 100757, Start Num: 5
Candidate Starts for Forrest_200:
(Start: 5 @100263 has 5 MA's), (18, 100536), (26, 100596), (27, 100620), (32, 100692),

Gene: Gsput1_52 Start: 36371, Stop: 36856, Start Num: 6
Candidate Starts for Gsput1_52:
(Start: 5 @36365 has 5 MA's), (6, 36371), (17, 36620), (19, 36629), (23, 36638), (33, 36812), (34, 36839),

Gene: Jada_198 Start: 99135, Stop: 99629, Start Num: 5
Candidate Starts for Jada_198:
(Start: 5 @99135 has 5 MA's), (18, 99408), (26, 99468), (27, 99492), (32, 99564),

Gene: Minerva_52 Start: 41582, Stop: 42166, Start Num: 2
Candidate Starts for Minerva_52:
(Start: 2 @41582 has 6 MA's), (7, 41624), (11, 41795), (13, 41810), (30, 42035), (33, 42098),

Gene: Optimus_51 Start: 41167, Stop: 41751, Start Num: 2
Candidate Starts for Optimus_51:
(Start: 2 @41167 has 6 MA's), (7, 41209), (11, 41380), (13, 41395), (30, 41620), (33, 41683),

Gene: TunaTartare_203 Start: 105397, Stop: 105966, Start Num: 5
Candidate Starts for TunaTartare_203:
(Start: 5 @105397 has 5 MA's), (15, 105688), (16, 105694), (21, 105724), (24, 105748), (28, 105829), (29, 105838), (37, 105958),

Gene: TunaTartare_133 Start: 80340, Stop: 80837, Start Num: 5
Candidate Starts for TunaTartare_133:
(Start: 5 @80340 has 5 MA's), (12, 80529), (20, 80631), (25, 80664), (29, 80730), (36, 80832),

Gene: Wanda_52 Start: 40059, Stop: 40643, Start Num: 2
Candidate Starts for Wanda_52:
(Start: 2 @40059 has 6 MA's), (7, 40101), (11, 40272), (13, 40287), (30, 40512), (33, 40575),