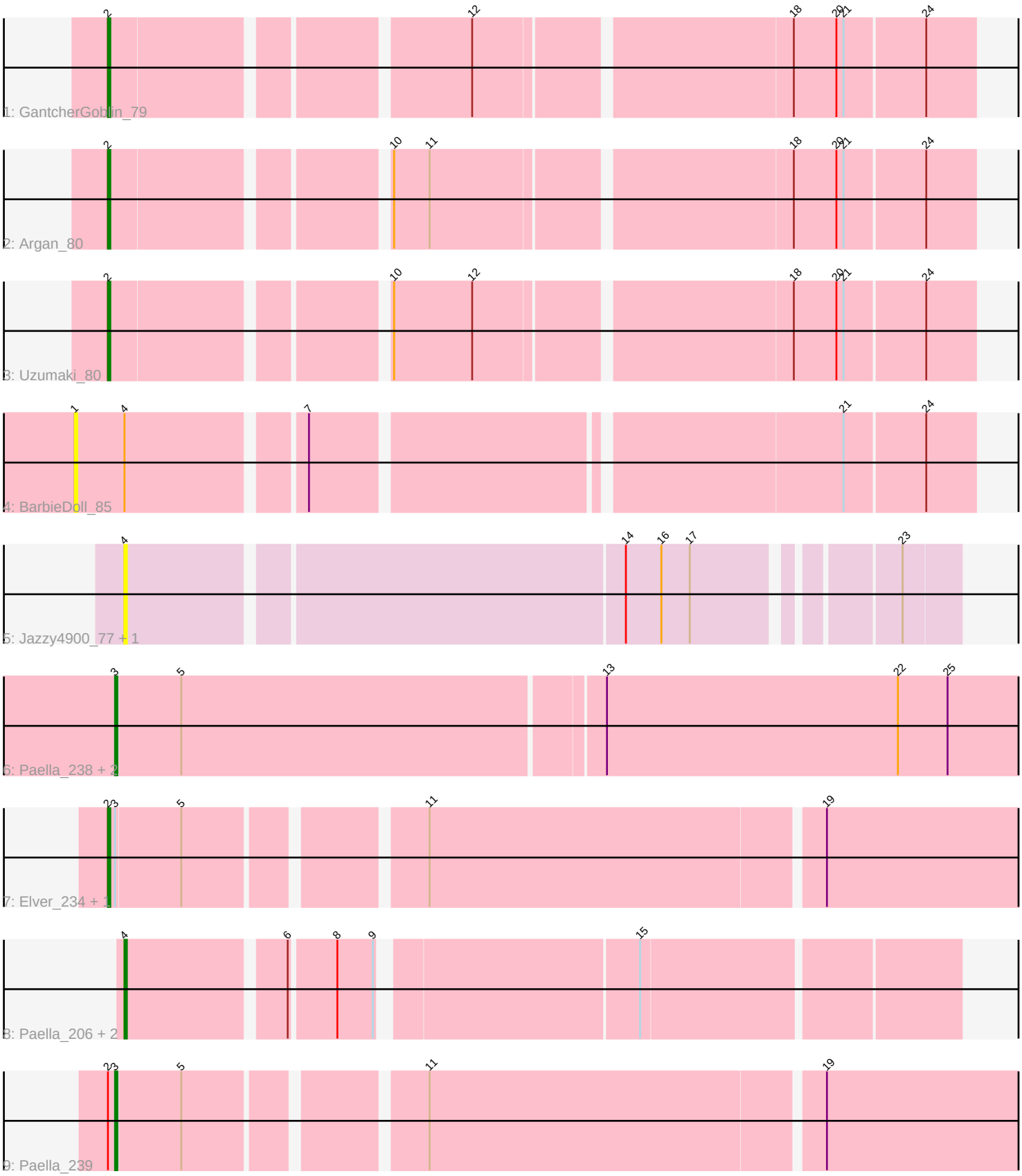
Pham 162271


2
12
18
20
21
24
1: GantcherGoblin_79
2
10
11
18
20
21
24
2: Argan_80
2
10
12
18
20
21
24
3: Uzumaki_80
1
4
7
21
24
4: BarbieDoll_85
4
14
16
17
23
5: Jazzy4900_77 + 1
3
5
13
22
25
6: Paella_238 + 2
23
5
11
19
7: Elver_234 + 1
4
6
8
9
15
8: Paella_206 + 2
23
5
11
19
9: Paella_239

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 162271 Report

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

Pham number 162271 has 15 members, 6 are drafts.

Phages represented in each track:
• Track 1 : GantcherGoblin_79
• Track 2 : Argan_80
• Track 3 : Uzumaki_80
• Track 4 : BarbieDoll_85
• Track 5 : Jazzy4900_77, Sunny4976_76
• Track 6 : Paella_238, Elver_233, Qui_237
• Track 7 : Elver_234, Qui_238
• Track 8 : Paella_206, Qui_206, Elver_202
• Track 9 : Paella_239

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

Genes that call this "Most Annotated" start:
• Argan_80, Elver_234, GantcherGoblin_79, Qui_238, Uzumaki_80,

Genes that have the "Most Annotated" start but do not call it:
• Paella_239,

Genes that do not have the "Most Annotated" start:
• BarbieDoll_85, Elver_202, Elver_233, Jazzy4900_77, Paella_206, Paella_238, Qui_206, Qui_237, Sunny4976_76,

Summary by start number:

Start 1:
• Found in 1 of 15 (6.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BarbieDoll_85 (AU6),

Start 2:

• Found in 6 of 15 (40.0%) of genes in pham
• Manual Annotations of this start: 4 of 9
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Argan_80 (AU6), Elver_234 (FK), GantcherGoblin_79 (AU6), Qui_238 (FK), Uzumaki_80 (AU6),

Start 3:
• Found in 6 of 15 (40.0%) of genes in pham
• Manual Annotations of this start: 3 of 9
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Elver_233 (FK), Paella_238 (FK), Paella_239 (FK), Qui_237 (FK),

Start 4:
• Found in 6 of 15 (40.0%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Elver_202 (FK), Jazzy4900_77 (FI), Paella_206 (FK), Qui_206 (FK), Sunny4976_76 (FI),

Summary by clusters:

There are 3 clusters represented in this pham: FI, FK, AU6,

Info for manual annotations of cluster AU6:
•Start number 2 was manually annotated 3 times for cluster AU6.

Info for manual annotations of cluster FK:
•Start number 2 was manually annotated 1 time for cluster FK.
•Start number 3 was manually annotated 3 times for cluster FK.
•Start number 4 was manually annotated 2 times for cluster FK.

Gene Information:

Gene: Argan_80 Start: 48128, Stop: 48466, Start Num: 2
Candidate Starts for Argan_80:
(Start: 2 @48128 has 4 MA's), (10, 48233), (11, 48248), (18, 48392), (20, 48410), (21, 48413), (24, 48446),

Gene: BarbieDoll_85 Start: 49719, Stop: 50072, Start Num: 1
Candidate Starts for BarbieDoll_85:
(1, 49719), (Start: 4 @49740 has 2 MA's), (7, 49809), (21, 50019), (24, 50052),

Gene: Elver_233 Start: 105877, Stop: 106266, Start Num: 3
Candidate Starts for Elver_233:
(Start: 3 @105877 has 3 MA's), (5, 105904), (13, 106078), (22, 106201), (25, 106222),

Gene: Elver_234 Start: 106263, Stop: 106631, Start Num: 2
Candidate Starts for Elver_234:

(Start: 2 @106263 has 4 MA's), (Start: 3 @106266 has 3 MA's), (5, 106293), (11, 106383), (19, 106545),

Gene: Elver_202 Start: 96253, Stop: 96579, Start Num: 4
Candidate Starts for Elver_202:
(Start: 4 @96253 has 2 MA's), (6, 96316), (8, 96334), (9, 96349), (15, 96451),

Gene: GantcherGoblin_79 Start: 48289, Stop: 48627, Start Num: 2
Candidate Starts for GantcherGoblin_79:
(Start: 2 @48289 has 4 MA's), (12, 48427), (18, 48553), (20, 48571), (21, 48574), (24, 48607),

Gene: Jazzy4900_77 Start: 50275, Stop: 50601, Start Num: 4
Candidate Starts for Jazzy4900_77:
(Start: 4 @50275 has 2 MA's), (14, 50476), (16, 50491), (17, 50503), (23, 50578),

Gene: Paella_238 Start: 107014, Stop: 107403, Start Num: 3
Candidate Starts for Paella_238:
(Start: 3 @107014 has 3 MA's), (5, 107041), (13, 107215), (22, 107338), (25, 107359),

Gene: Paella_206 Start: 97138, Stop: 97464, Start Num: 4
Candidate Starts for Paella_206:
(Start: 4 @97138 has 2 MA's), (6, 97201), (8, 97219), (9, 97234), (15, 97336),

Gene: Paella_239 Start: 107403, Stop: 107768, Start Num: 3
Candidate Starts for Paella_239:
(Start: 2 @107400 has 4 MA's), (Start: 3 @107403 has 3 MA's), (5, 107430), (11, 107520), (19, 107682),

Gene: Qui_238 Start: 107388, Stop: 107756, Start Num: 2
Candidate Starts for Qui_238:
(Start: 2 @107388 has 4 MA's), (Start: 3 @107391 has 3 MA's), (5, 107418), (11, 107508), (19, 107670),

Gene: Qui_206 Start: 97126, Stop: 97452, Start Num: 4
Candidate Starts for Qui_206:
(Start: 4 @97126 has 2 MA's), (6, 97189), (8, 97207), (9, 97222), (15, 97324),

Gene: Qui_237 Start: 107002, Stop: 107391, Start Num: 3
Candidate Starts for Qui_237:
(Start: 3 @107002 has 3 MA's), (5, 107029), (13, 107203), (22, 107326), (25, 107347),

Gene: Sunny4976_76 Start: 50275, Stop: 50601, Start Num: 4
Candidate Starts for Sunny4976_76:
(Start: 4 @50275 has 2 MA's), (14, 50476), (16, 50491), (17, 50503), (23, 50578),

Gene: Uzumaki_80 Start: 48257, Stop: 48595, Start Num: 2
Candidate Starts for Uzumaki_80:
(Start: 2 @48257 has 4 MA's), (10, 48362), (12, 48395), (18, 48521), (20, 48539), (21, 48542), (24, 48575),