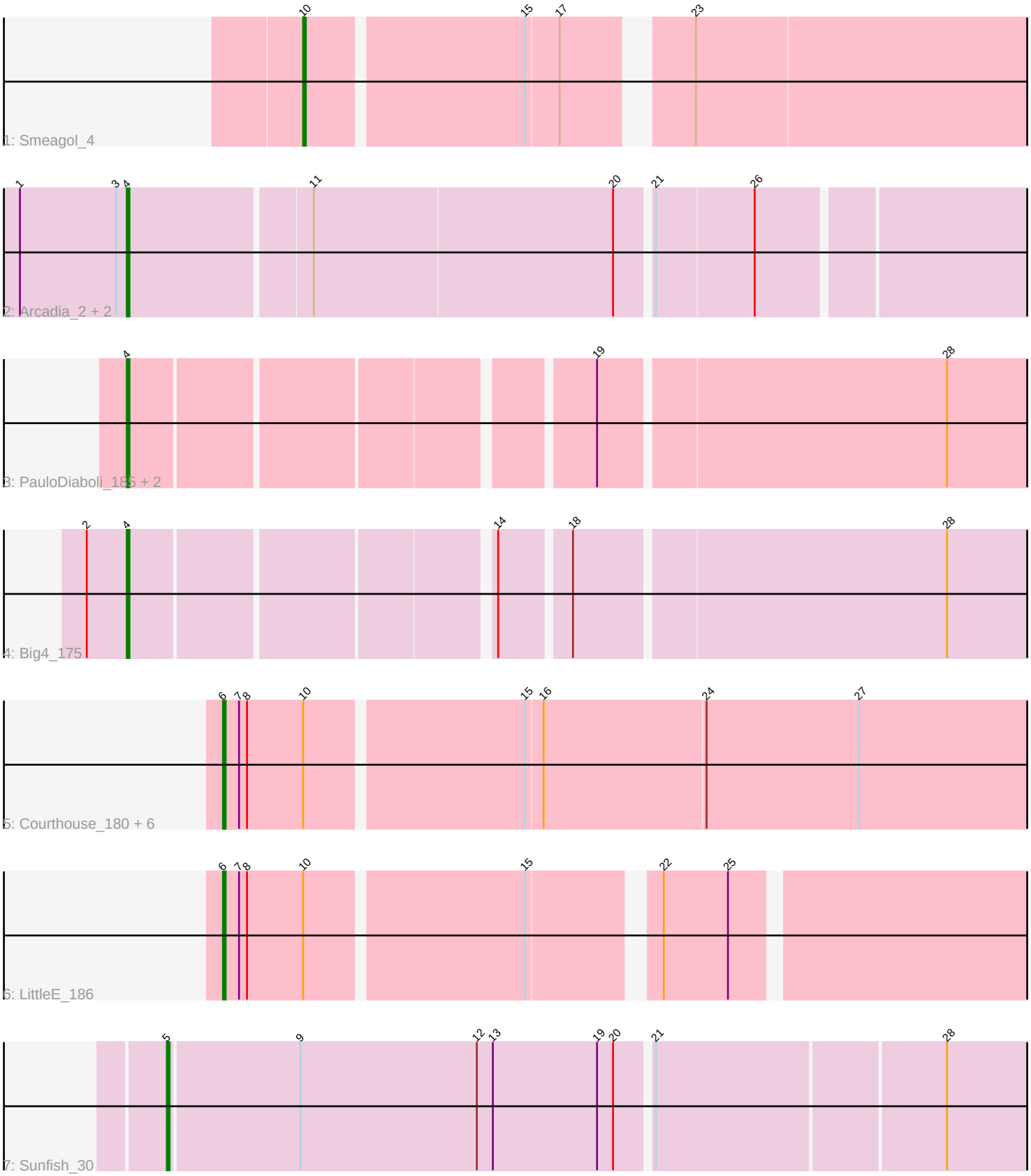
Pham 221853


10
15
17
23
1: Smeagol_4
1
3
4
11
20
21
26
2: Arcadia_2 + 2
4
19
28
3: PauloDiaboli_185 + 2
2
4
14
18
28
4: Big4_175
6
7
8
10
15
16
24
27
5: Courthouse_180 + 6
6
7
8
10
15
22
25
6: LittleE_186
5
9
12
13
19
20
21
28
7: Sunfish_30

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 221853 Report

This analysis was run 03/28/25 on database version 593.

Pham number 221853 has 17 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Smeagol_4
• Track 2 : Arcadia_2, Elsa_2, Nason_2
• Track 3 : PauloDiaboli_185, Dodo_187, A3Wally_186
• Track 4 : Big4_175
• Track 5 : Courthouse_180, Ariel_184, Superphikiman_181, Porcelain_183, MiaZeal_186, Lucky2013_179, Gonephishing_177
• Track 6 : LittleE_186
• Track 7 : Sunfish_30

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

The start number called the most often in the published annotations is 6, it was called in 7 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ariel_184, Courthouse_180, Gonephishing_177, LittleE_186, Lucky2013_179, MiaZeal_186, Porcelain_183, Superphikiman_181,

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

Genes that do not have the "Most Annotated" start:
• A3Wally_186, Arcadia_2, Big4_175, Dodo_187, Elsa_2, Nason_2, PauloDiaboli_185, Smeagol_4, Sunfish_30,

Summary by start number:

Start 4:
• Found in 7 of 17 (41.2%) of genes in pham
• Manual Annotations of this start: 6 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: A3Wally_186 (GD1), Arcadia_2 (AM), Big4_175 (GD2), Dodo_187 (GD1), Elsa_2 (AM), Nason_2 (AM), PauloDiaboli_185 (GD1),

Start 5:
• Found in 1 of 17 (5.9%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sunfish_30 (singleton),

Start 6:
• Found in 8 of 17 (47.1%) of genes in pham
• Manual Annotations of this start: 7 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ariel_184 (J), Courthouse_180 (J), Gonephishing_177 (J), LittleE_186 (J), Lucky2013_179 (J), MiaZeal_186 (J), Porcelain_183 (J), Superphikiman_181 (J),

Start 10:
• Found in 9 of 17 (52.9%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 11.1% of time when present
• Phage (with cluster) where this start called: Smeagol_4 (A1),

Summary by clusters:

There are 6 clusters represented in this pham: GD1, singleton, J, AM, GD2, A1,

Info for manual annotations of cluster A1:
•Start number 10 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster AM:
•Start number 4 was manually annotated 3 times for cluster AM.

Info for manual annotations of cluster GD1:
•Start number 4 was manually annotated 2 times for cluster GD1.

Info for manual annotations of cluster GD2:
•Start number 4 was manually annotated 1 time for cluster GD2.

Info for manual annotations of cluster J:
•Start number 6 was manually annotated 7 times for cluster J.

Gene Information:

Gene: A3Wally_186 Start: 101532, Stop: 101870, Start Num: 4
Candidate Starts for A3Wally_186:
(Start: 4 @101532 has 6 MA's), (19, 101691), (28, 101817),

Gene: Arcadia_2 Start: 525, Stop: 869, Start Num: 4
Candidate Starts for Arcadia_2:
(1, 486), (3, 522), (Start: 4 @525 has 6 MA's), (11, 591), (20, 702), (21, 714), (26, 750),

Gene: Ariel_184 Start: 90388, Stop: 90705, Start Num: 6

Candidate Starts for Ariel_184:
(Start: 6 @90388 has 7 MA's), (7, 90394), (8, 90397), (Start: 10 @90418 has 1 MA's), (15, 90496), (16, 90502), (24, 90562), (27, 90619),

Gene: Big4_175 Start: 98404, Stop: 98742, Start Num: 4
Candidate Starts for Big4_175:
(2, 98389), (Start: 4 @98404 has 6 MA's), (14, 98530), (18, 98554), (28, 98689),

Gene: Courthouse_180 Start: 90832, Stop: 91149, Start Num: 6
Candidate Starts for Courthouse_180:
(Start: 6 @90832 has 7 MA's), (7, 90838), (8, 90841), (Start: 10 @90862 has 1 MA's), (15, 90940), (16, 90946), (24, 91006), (27, 91063),

Gene: Dodo_187 Start: 101144, Stop: 101482, Start Num: 4
Candidate Starts for Dodo_187:
(Start: 4 @101144 has 6 MA's), (19, 101303), (28, 101429),

Gene: Elsa_2 Start: 525, Stop: 869, Start Num: 4
Candidate Starts for Elsa_2:
(1, 486), (3, 522), (Start: 4 @525 has 6 MA's), (11, 591), (20, 702), (21, 714), (26, 750),

Gene: Gonephishing_177 Start: 91649, Stop: 91966, Start Num: 6
Candidate Starts for Gonephishing_177:
(Start: 6 @91649 has 7 MA's), (7, 91655), (8, 91658), (Start: 10 @91679 has 1 MA's), (15, 91757), (16, 91763), (24, 91823), (27, 91880),

Gene: LittleE_186 Start: 93578, Stop: 93880, Start Num: 6
Candidate Starts for LittleE_186:
(Start: 6 @93578 has 7 MA's), (7, 93584), (8, 93587), (Start: 10 @93608 has 1 MA's), (15, 93686), (22, 93728), (25, 93752),

Gene: Lucky2013_179 Start: 89904, Stop: 90221, Start Num: 6
Candidate Starts for Lucky2013_179:
(Start: 6 @89904 has 7 MA's), (7, 89910), (8, 89913), (Start: 10 @89934 has 1 MA's), (15, 90012), (16, 90018), (24, 90078), (27, 90135),

Gene: MiaZeal_186 Start: 91050, Stop: 91367, Start Num: 6
Candidate Starts for MiaZeal_186:
(Start: 6 @91050 has 7 MA's), (7, 91056), (8, 91059), (Start: 10 @91080 has 1 MA's), (15, 91158), (16, 91164), (24, 91224), (27, 91281),

Gene: Nason_2 Start: 525, Stop: 869, Start Num: 4
Candidate Starts for Nason_2:
(1, 486), (3, 522), (Start: 4 @525 has 6 MA's), (11, 591), (20, 702), (21, 714), (26, 750),

Gene: PauloDiaboli_185 Start: 99579, Stop: 99917, Start Num: 4
Candidate Starts for PauloDiaboli_185:
(Start: 4 @99579 has 6 MA's), (19, 99738), (28, 99864),

Gene: Porcelain_183 Start: 90850, Stop: 91167, Start Num: 6
Candidate Starts for Porcelain_183:
(Start: 6 @90850 has 7 MA's), (7, 90856), (8, 90859), (Start: 10 @90880 has 1 MA's), (15, 90958), (16, 90964), (24, 91024), (27, 91081),

Gene: Smeagol_4 Start: 2209, Stop: 2484, Start Num: 10
Candidate Starts for Smeagol_4:
(Start: 10 @2209 has 1 MA's), (15, 2287), (17, 2299), (23, 2338),

Gene: Sunfish_30 Start: 14435, Stop: 14770, Start Num: 5
Candidate Starts for Sunfish_30:
(Start: 5 @14435 has 1 MA's), (9, 14483), (12, 14549), (13, 14555), (19, 14594), (20, 14600), (21, 14612), (28, 14717),

Gene: Superphikiman_181 Start: 90528, Stop: 90845, Start Num: 6
Candidate Starts for Superphikiman_181:
(Start: 6 @90528 has 7 MA's), (7, 90534), (8, 90537), (Start: 10 @90558 has 1 MA's), (15, 90636), (16, 90642), (24, 90702), (27, 90759),