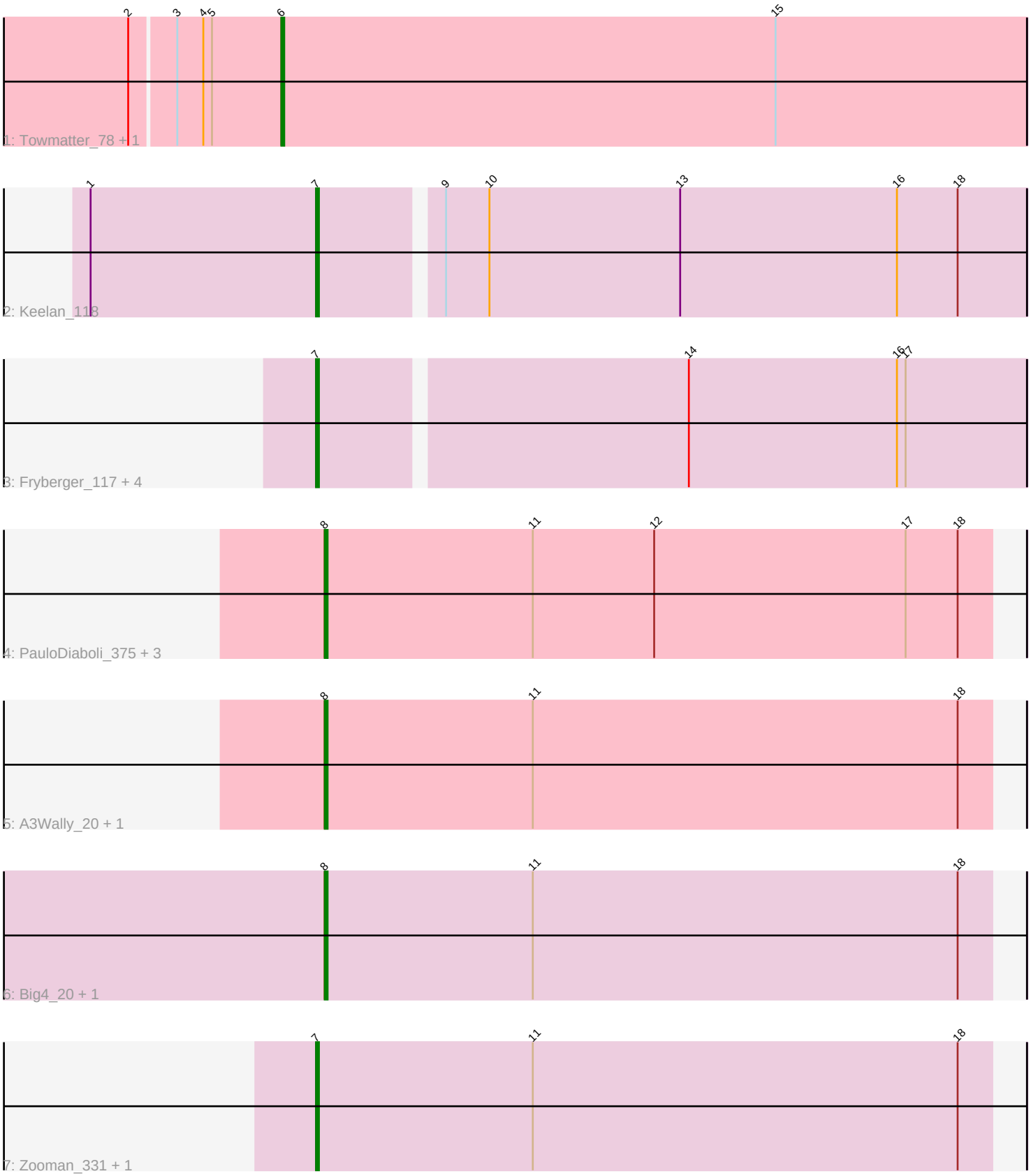
Pham 203349


2
3
4
5
6
15
1: Towmatter_78 + 1
1
7
9
10
13
16
18
2: Keelan_118
7
14
16
17
3: Fryberger_117 + 4
8
11
12
17
18
4: PauloDiaboli_375 + 3
8
11
18
5: A3Wally_20 + 1
8
11
18
6: Big4_20 + 1
7
11
18
7: Zooman_331 + 1

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 203349 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203349 has 18 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Towmatter_78, Daredevil_75
• Track 2 : Keelan_118
• Track 3 : Fryberger_117, Guey18_121, Volt_121, Ronaldo_118, Ziko_119
• Track 4 : PauloDiaboli_375, Dodo_21, Dodo_371, PauloDiaboli_20
• Track 5 : A3Wally_20, A3Wally_373
• Track 6 : Big4_20, Big4_346
• Track 7 : Zooman_331, Zooman_18

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

The start number called the most often in the published annotations is 7, it was called in 8 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Fryberger_117, Guey18_121, Keelan_118, Ronaldo_118, Volt_121, Ziko_119, Zooman_18, Zooman_331,

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

Genes that do not have the "Most Annotated" start:
• A3Wally_20, A3Wally_373, Big4_20, Big4_346, Daredevil_75, Dodo_21, Dodo_371, PauloDiaboli_20, PauloDiaboli_375, Towmatter_78,

Summary by start number:

Start 6:
• Found in 2 of 18 (11.1%) 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: Daredevil_75 (DL), Towmatter_78 (DL),

Start 7:
• Found in 8 of 18 (44.4%) of genes in pham

• Manual Annotations of this start: 8 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fryberger_117 (DP), Guey18_121 (DP), Keelan_118 (DP), Ronaldo_118 (DP), Volt_121 (DP), Ziko_119 (DP), Zooman_18 (GD2), Zooman_331 (GD2),

Start 8:
• Found in 8 of 18 (44.4%) 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_20 (GD1), A3Wally_373 (GD1), Big4_20 (GD2), Big4_346 (GD2), Dodo_21 (GD1), Dodo_371 (GD1), PauloDiaboli_20 (GD1), PauloDiaboli_375 (GD1),

Summary by clusters:

There are 4 clusters represented in this pham: GD1, GD2, DL, DP,

Info for manual annotations of cluster DL:
•Start number 6 was manually annotated 1 time for cluster DL.

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

Info for manual annotations of cluster GD1:
•Start number 8 was manually annotated 4 times for cluster GD1.

Info for manual annotations of cluster GD2:
•Start number 7 was manually annotated 2 times for cluster GD2.
•Start number 8 was manually annotated 2 times for cluster GD2.

Gene Information:

Gene: A3Wally_20 Start: 7196, Stop: 7426, Start Num: 8
Candidate Starts for A3Wally_20:
(Start: 8 @7196 has 6 MA's), (11, 7268), (18, 7415),

Gene: A3Wally_373 Start: 186417, Stop: 186647, Start Num: 8
Candidate Starts for A3Wally_373:
(Start: 8 @186417 has 6 MA's), (11, 186489), (18, 186636),

Gene: Big4_20 Start: 8933, Stop: 9163, Start Num: 8
Candidate Starts for Big4_20:
(Start: 8 @8933 has 6 MA's), (11, 9005), (18, 9152),

Gene: Big4_346 Start: 183627, Stop: 183857, Start Num: 8
Candidate Starts for Big4_346:
(Start: 8 @183627 has 6 MA's), (11, 183699), (18, 183846),

Gene: Daredevil_75 Start: 52964, Stop: 52707, Start Num: 6
Candidate Starts for Daredevil_75:

(2, 53015), (3, 53000), (4, 52991), (5, 52988), (Start: 6 @52964 has 1 MA's), (15, 52793),

Gene: Dodo_21 Start: 7043, Stop: 7273, Start Num: 8
Candidate Starts for Dodo_21:
(Start: 8 @7043 has 6 MA's), (11, 7115), (12, 7157), (17, 7244), (18, 7262),

Gene: Dodo_371 Start: 185243, Stop: 185473, Start Num: 8
Candidate Starts for Dodo_371:
(Start: 8 @185243 has 6 MA's), (11, 185315), (12, 185357), (17, 185444), (18, 185462),

Gene: Fryberger_117 Start: 56141, Stop: 56380, Start Num: 7
Candidate Starts for Fryberger_117:
(Start: 7 @56141 has 8 MA's), (14, 56264), (16, 56336), (17, 56339),

Gene: Guey18_121 Start: 57464, Stop: 57703, Start Num: 7
Candidate Starts for Guey18_121:
(Start: 7 @57464 has 8 MA's), (14, 57587), (16, 57659), (17, 57662),

Gene: Keelan_118 Start: 57003, Stop: 57242, Start Num: 7
Candidate Starts for Keelan_118:
(1, 56925), (Start: 7 @57003 has 8 MA's), (9, 57042), (10, 57057), (13, 57123), (16, 57198), (18, 57219),

Gene: PauloDiaboli_375 Start: 183665, Stop: 183895, Start Num: 8
Candidate Starts for PauloDiaboli_375:
(Start: 8 @183665 has 6 MA's), (11, 183737), (12, 183779), (17, 183866), (18, 183884),

Gene: PauloDiaboli_20 Start: 7036, Stop: 7266, Start Num: 8
Candidate Starts for PauloDiaboli_20:
(Start: 8 @7036 has 6 MA's), (11, 7108), (12, 7150), (17, 7237), (18, 7255),

Gene: Ronaldo_118 Start: 57046, Stop: 57285, Start Num: 7
Candidate Starts for Ronaldo_118:
(Start: 7 @57046 has 8 MA's), (14, 57169), (16, 57241), (17, 57244),

Gene: Towmatter_78 Start: 53043, Stop: 52786, Start Num: 6
Candidate Starts for Towmatter_78:
(2, 53094), (3, 53079), (4, 53070), (5, 53067), (Start: 6 @53043 has 1 MA's), (15, 52872),

Gene: Volt_121 Start: 57210, Stop: 57449, Start Num: 7
Candidate Starts for Volt_121:
(Start: 7 @57210 has 8 MA's), (14, 57333), (16, 57405), (17, 57408),

Gene: Ziko_119 Start: 57052, Stop: 57291, Start Num: 7
Candidate Starts for Ziko_119:
(Start: 7 @57052 has 8 MA's), (14, 57175), (16, 57247), (17, 57250),

Gene: Zooman_331 Start: 183965, Stop: 184198, Start Num: 7
Candidate Starts for Zooman_331:
(Start: 7 @183965 has 8 MA's), (11, 184040), (18, 184187),

Gene: Zooman_18 Start: 8314, Stop: 8547, Start Num: 7
Candidate Starts for Zooman_18:

(Start: 7 @8314 has 8 MA's), (11, 8389), (18, 8536),