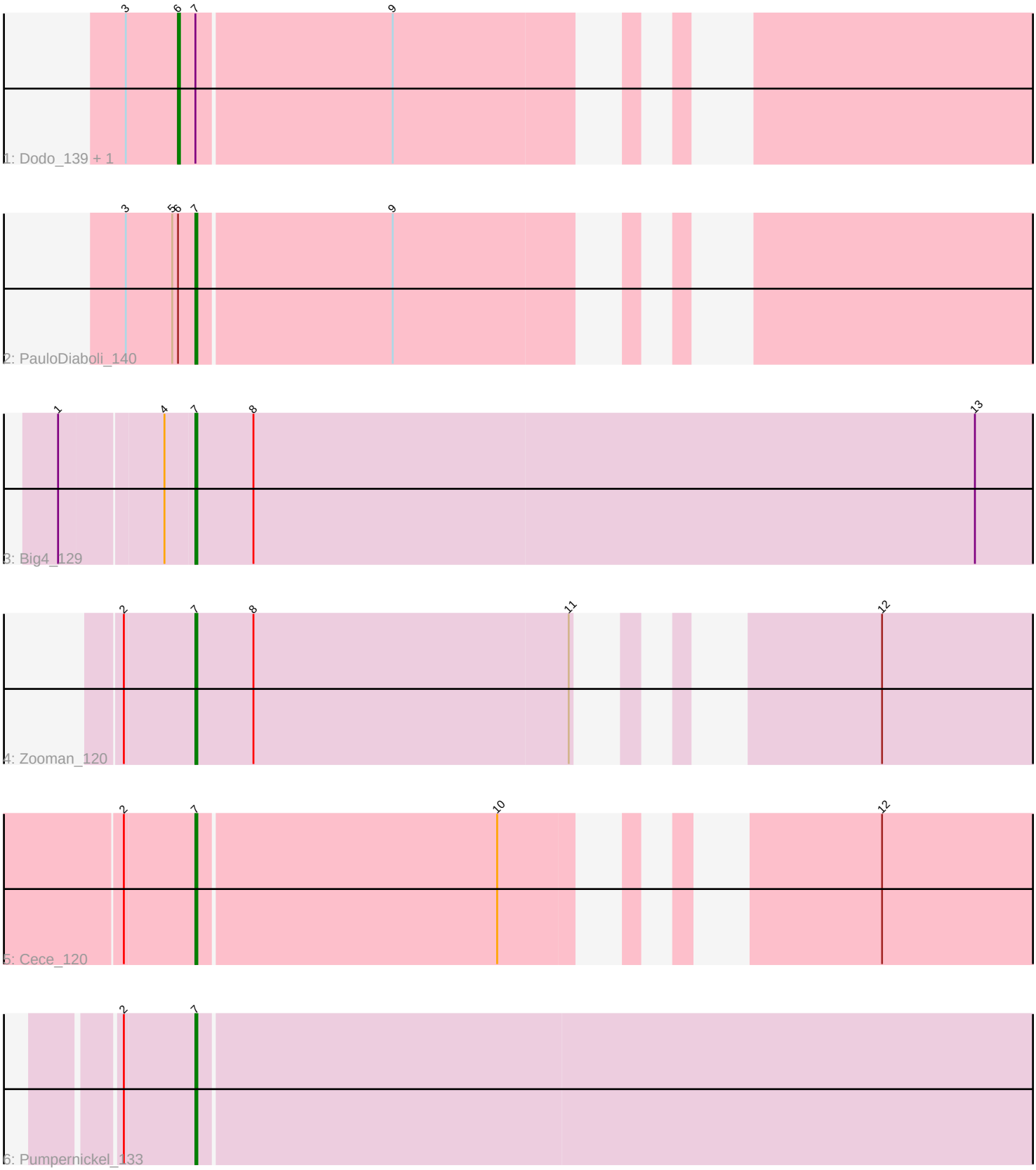
Pham 207576


3
6
7
9
1: Dodo_139 + 1
3
6
6
7
9
2: PauloDiaboli_140
1
4
7
8
13
3: Big4_129
2
7
8
11
12
4: Zooman_120
2
7
10
12
5: Cece_120
2
7
6: Pumpernickel_133

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 207576 Report

This analysis was run 02/22/25 on database version 588.

Pham number 207576 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Dodo_139, A3Wally_136
• Track 2 : PauloDiaboli_140
• Track 3 : Big4_129
• Track 4 : Zooman_120
• Track 5 : Cece_120
• Track 6 : Pumpernickel_133

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 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Big4_129, Cece_120, PauloDiaboli_140, Pumpernickel_133, Zooman_120,

Genes that have the "Most Annotated" start but do not call it:
• A3Wally_136, Dodo_139,

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

Summary by start number:

Start 6:
• Found in 3 of 7 (42.9%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 66.7% of time when present
• Phage (with cluster) where this start called: A3Wally_136 (GD1), Dodo_139 (GD1),

Start 7:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 6
• Called 71.4% of time when present

• Phage (with cluster) where this start called: Big4_129 (GD2), Cece_120 (GD3), PauloDiaboli_140 (GD1), Pumpernickel_133 (GD4), Zooman_120 (GD2),

Summary by clusters:

There are 4 clusters represented in this pham: GD1, GD2, GD3, GD4,

Info for manual annotations of cluster GD1:
•Start number 6 was manually annotated 1 time for cluster GD1.
•Start number 7 was manually annotated 1 time for cluster GD1.

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

Info for manual annotations of cluster GD3:
•Start number 7 was manually annotated 1 time for cluster GD3.

Info for manual annotations of cluster GD4:
•Start number 7 was manually annotated 1 time for cluster GD4.

Gene Information:

Gene: A3Wally_136 Start: 86849, Stop: 87247, Start Num: 6
Candidate Starts for A3Wally_136:
(3, 86822), (Start: 6 @86849 has 1 MA's), (Start: 7 @86858 has 5 MA's), (9, 86957),

Gene: Big4_129 Start: 85559, Stop: 86026, Start Num: 7
Candidate Starts for Big4_129:
(1, 85493), (4, 85544), (Start: 7 @85559 has 5 MA's), (8, 85589), (13, 85961),

Gene: Cece_120 Start: 88234, Stop: 88626, Start Num: 7
Candidate Starts for Cece_120:
(2, 88198), (Start: 7 @88234 has 5 MA's), (10, 88387), (12, 88513),

Gene: Dodo_139 Start: 87192, Stop: 87590, Start Num: 6
Candidate Starts for Dodo_139:
(3, 87165), (Start: 6 @87192 has 1 MA's), (Start: 7 @87201 has 5 MA's), (9, 87300),

Gene: PauloDiaboli_140 Start: 86201, Stop: 86590, Start Num: 7
Candidate Starts for PauloDiaboli_140:
(3, 86165), (5, 86189), (Start: 6 @86192 has 1 MA's), (Start: 7 @86201 has 5 MA's), (9, 86300),

Gene: Pumpernickel_133 Start: 86998, Stop: 87462, Start Num: 7
Candidate Starts for Pumpernickel_133:
(2, 86962), (Start: 7 @86998 has 5 MA's),

Gene: Zooman_120 Start: 82979, Stop: 83374, Start Num: 7
Candidate Starts for Zooman_120:
(2, 82943), (Start: 7 @82979 has 5 MA's), (8, 83009), (11, 83171), (12, 83261),