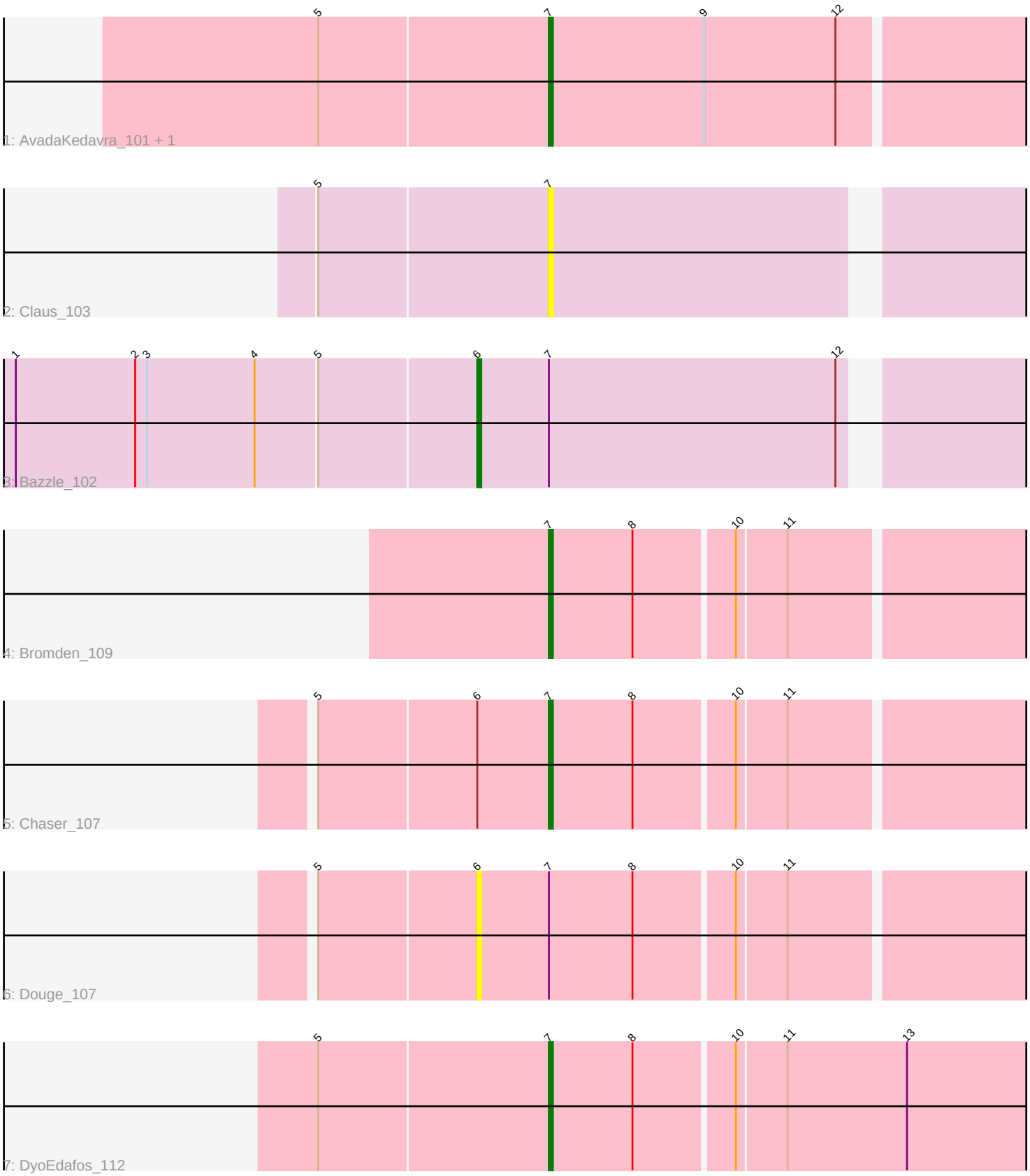
Pham 88030


5
7
9
12
1: AvadaKedavra_101 + 1
5
7
2: Claus_103
1
2
3
4
5
6
7
12
3: Bazzle_102
7
8
10
11
4: Bromden_109
5
6
7
8
10
11
5: Chaser_107
5
6
7
8
10
11
6: Douge_107
5
7
8
10
11
13
7: DyoEdafos_112

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 88030 Report

This analysis was run 04/05/24 on database version 557.

Pham number 88030 has 8 members, 2 are drafts.

Phages represented in each track:
• Track 1 : AvadaKedavra_101, UPIE_100
• Track 2 : Claus_103
• Track 3 : Bazzle_102
• Track 4 : Bromden_109
• Track 5 : Chaser_107
• Track 6 : Douge_107
• Track 7 : DyoEdafos_112

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:
• AvadaKedavra_101, Bromden_109, Chaser_107, Claus_103, DyoEdafos_112, UPIE_100,

Genes that have the "Most Annotated" start but do not call it:
• Bazzle_102, Douge_107,

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

Summary by start number:

Start 6:
• Found in 3 of 8 (37.5%) 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: Bazzle_102 (L2), Douge_107 (L4),

Start 7:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 6

• Called 75.0% of time when present
• Phage (with cluster) where this start called: AvadaKedavra_101 (L1), Bromden_109 (L4), Chaser_107 (L4), Claus_103 (L2), DyoEdafos_112 (L4), UPIE_100 (L1),

Summary by clusters:

There are 3 clusters represented in this pham: L4, L2, L1,

Info for manual annotations of cluster L1:
•Start number 7 was manually annotated 2 times for cluster L1.

Info for manual annotations of cluster L2:
•Start number 6 was manually annotated 1 time for cluster L2.

Info for manual annotations of cluster L4:
•Start number 7 was manually annotated 3 times for cluster L4.

Gene Information:

Gene: AvadaKedavra_101 Start: 61168, Stop: 61293, Start Num: 7
Candidate Starts for AvadaKedavra_101:
(5, 61111), (Start: 7 @61168 has 5 MA's), (9, 61207), (12, 61240),

Gene: Bazzle_102 Start: 63033, Stop: 63170, Start Num: 6
Candidate Starts for Bazzle_102:
(1, 62919), (2, 62949), (3, 62952), (4, 62979), (5, 62994), (Start: 6 @63033 has 1 MA's), (Start: 7 @63051 has 5 MA's), (12, 63123),

Gene: Bromden_109 Start: 64458, Stop: 64577, Start Num: 7
Candidate Starts for Bromden_109:
(Start: 7 @64458 has 5 MA's), (8, 64479), (10, 64503), (11, 64515),

Gene: Chaser_107 Start: 62896, Stop: 63015, Start Num: 7
Candidate Starts for Chaser_107:
(5, 62839), (Start: 6 @62878 has 1 MA's), (Start: 7 @62896 has 5 MA's), (8, 62917), (10, 62941), (11, 62953),

Gene: Claus_103 Start: 62825, Stop: 62944, Start Num: 7
Candidate Starts for Claus_103:
(5, 62768), (Start: 7 @62825 has 5 MA's),

Gene: Douge_107 Start: 62685, Stop: 62822, Start Num: 6
Candidate Starts for Douge_107:
(5, 62646), (Start: 6 @62685 has 1 MA's), (Start: 7 @62703 has 5 MA's), (8, 62724), (10, 62748), (11, 62760),

Gene: DyoEdafos_112 Start: 63677, Stop: 63802, Start Num: 7
Candidate Starts for DyoEdafos_112:
(5, 63620), (Start: 7 @63677 has 5 MA's), (8, 63698), (10, 63722), (11, 63734), (13, 63764),

Gene: UPIE_100 Start: 61001, Stop: 61126, Start Num: 7

Candidate Starts for UPIE_100:
(5, 60944), (Start: 7 @61001 has 5 MA's), (9, 61040), (12, 61073),