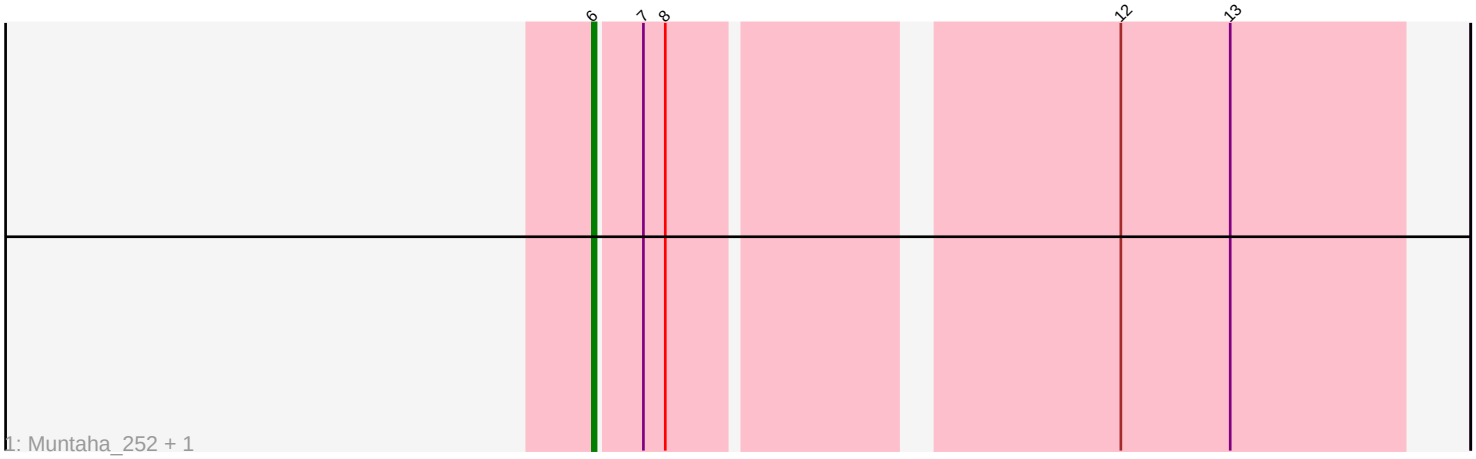
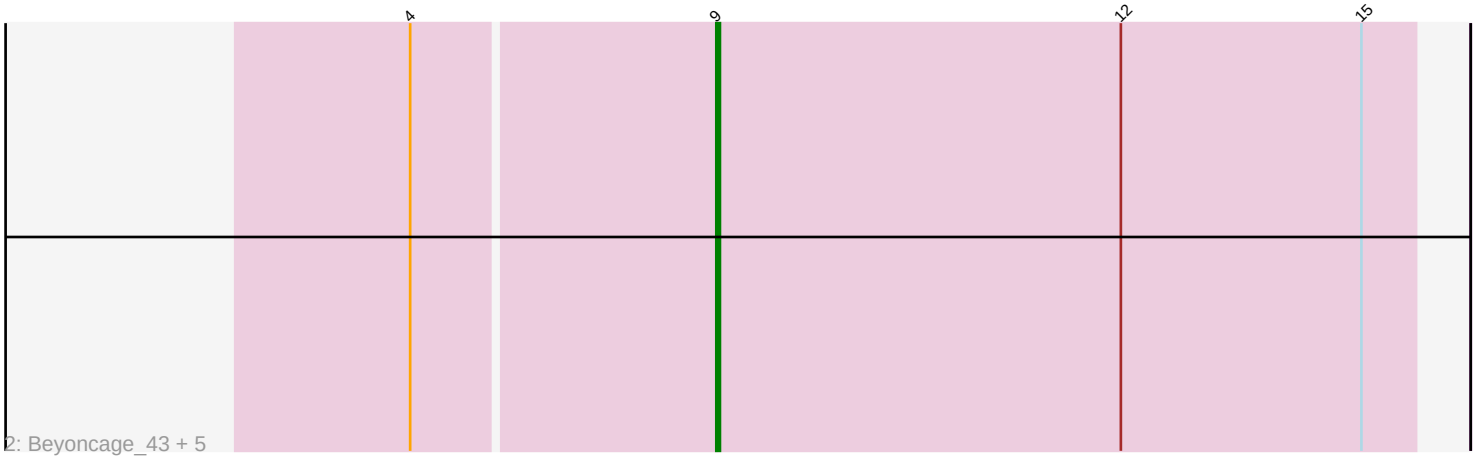
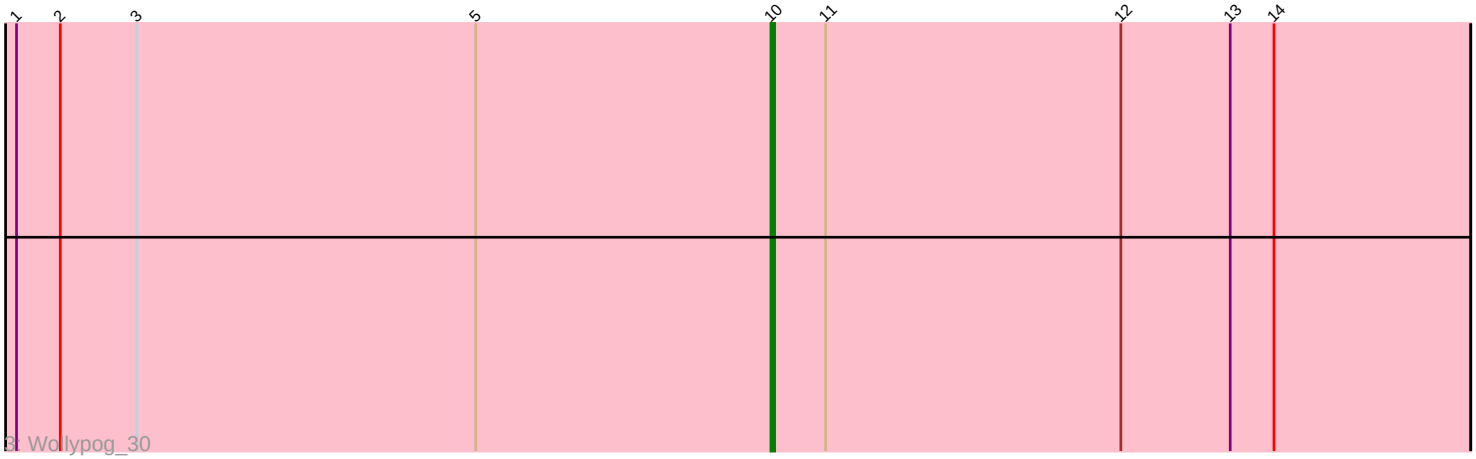
Pham 87642


6
7
8
12
13
1: Muntaha_252 + 1


4
9
12
15
2: Beyoncage_43 + 5


1
2
3
5
10
11
12
13
14
3: Wollypog_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 87642 Report

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

Pham number 87642 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Muntaha_252, Wakanda_249
• Track 2 : Beyoncage_43, Sienna_43, BiteSize_43, Madi_43, Djokovic_43, Terapin_44
• Track 3 : Wollypog_30

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

The start number called the most often in the published annotations is 9, it was called in 6 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beyoncage_43, BiteSize_43, Djokovic_43, Madi_43, Sienna_43, Terapin_44,

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

Genes that do not have the "Most Annotated" start:
• Muntaha_252, Wakanda_249, Wollypog_30,

Summary by start number:

Start 6:
• Found in 2 of 9 (22.2%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Muntaha_252 (BK2), Wakanda_249 (BK2),

Start 9:
• Found in 6 of 9 (66.7%) of genes in pham
• Manual Annotations of this start: 6 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beyoncage_43 (DG1), BiteSize_43 (DG1), Djokovic_43 (DG1), Madi_43 (DG1), Sienna_43 (DG1), Terapin_44 (DG1),

Start 10:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Wollypog_30 (singleton),

Summary by clusters:

There are 3 clusters represented in this pham: singleton, DG1, BK2,

Info for manual annotations of cluster BK2:
•Start number 6 was manually annotated 2 times for cluster BK2.

Info for manual annotations of cluster DG1:
•Start number 9 was manually annotated 6 times for cluster DG1.

Gene Information:

Gene: Beyoncage_43 Start: 34574, Stop: 34765, Start Num: 9
Candidate Starts for Beyoncage_43:
(4, 34493), (Start: 9 @34574 has 6 MA's), (12, 34685), (15, 34751),

Gene: BiteSize_43 Start: 34660, Stop: 34851, Start Num: 9
Candidate Starts for BiteSize_43:
(4, 34579), (Start: 9 @34660 has 6 MA's), (12, 34771), (15, 34837),

Gene: Djokovic_43 Start: 34573, Stop: 34764, Start Num: 9
Candidate Starts for Djokovic_43:
(4, 34492), (Start: 9 @34573 has 6 MA's), (12, 34684), (15, 34750),

Gene: Madi_43 Start: 34651, Stop: 34842, Start Num: 9
Candidate Starts for Madi_43:
(4, 34570), (Start: 9 @34651 has 6 MA's), (12, 34762), (15, 34828),

Gene: Muntaha_252 Start: 119346, Stop: 119552, Start Num: 6
Candidate Starts for Muntaha_252:
(Start: 6 @119346 has 2 MA's), (7, 119358), (8, 119364), (12, 119475), (13, 119505),

Gene: Sienna_43 Start: 34651, Stop: 34842, Start Num: 9
Candidate Starts for Sienna_43:
(4, 34570), (Start: 9 @34651 has 6 MA's), (12, 34762), (15, 34828),

Gene: Terapin_44 Start: 34575, Stop: 34766, Start Num: 9
Candidate Starts for Terapin_44:
(4, 34494), (Start: 9 @34575 has 6 MA's), (12, 34686), (15, 34752),

Gene: Wakanda_249 Start: 118561, Stop: 118767, Start Num: 6
Candidate Starts for Wakanda_249:
(Start: 6 @118561 has 2 MA's), (7, 118573), (8, 118579), (12, 118690), (13, 118720),

Gene: Wollypog_30 Start: 25830, Stop: 26021, Start Num: 10
Candidate Starts for Wollypog_30:
(1, 25623), (2, 25635), (3, 25656), (5, 25749), (Start: 10 @25830 has 1 MA's), (11, 25845), (12, 25926), (13, 25956), (14, 25968),