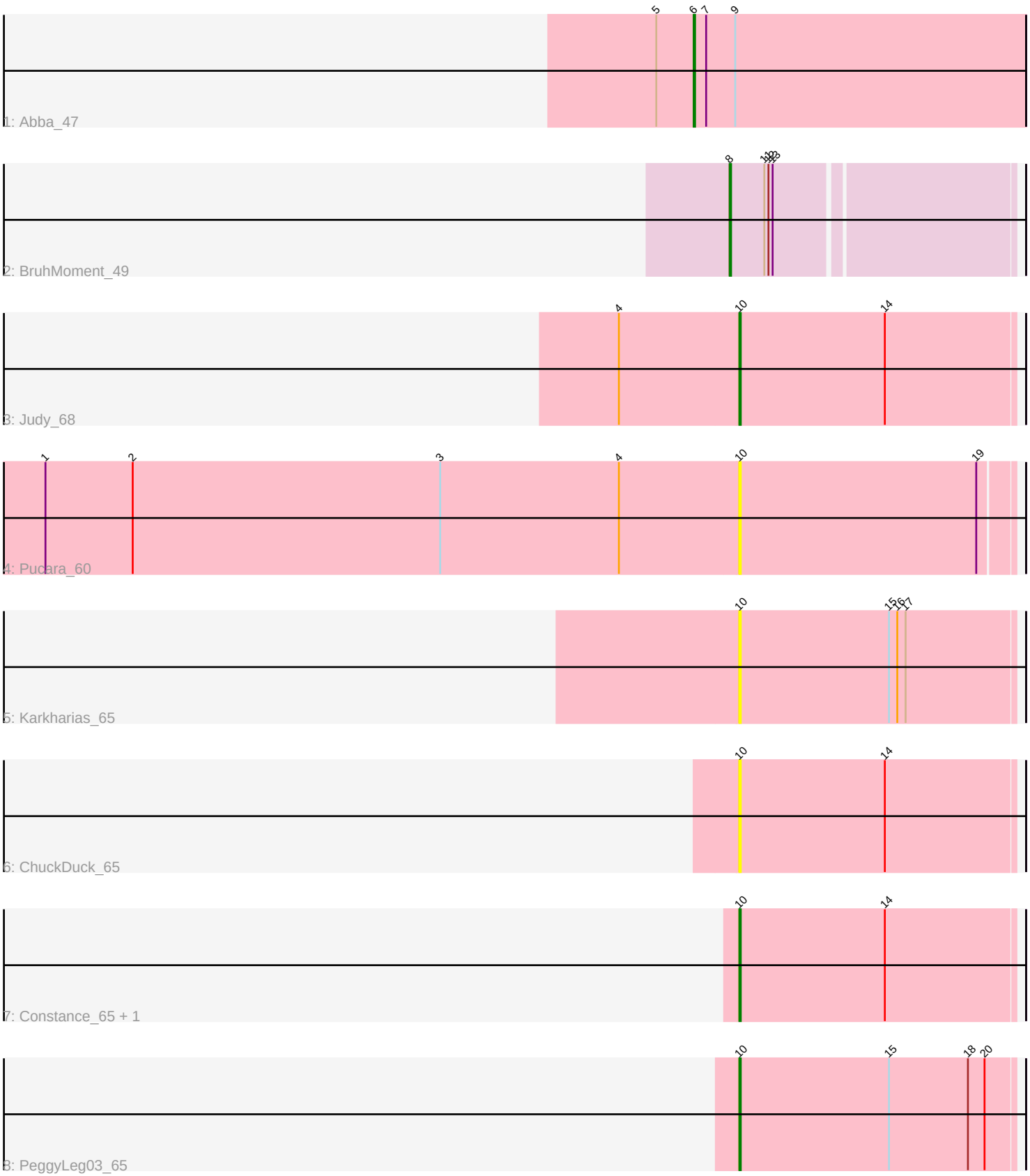
Pham 7371


5
6
7
9
1: Abba_47
8
2: BruhMoment_49
4
10
14
3: Judy_68
1
2
3
4
10
19
4: Pudara_60
10
15
16
17
5: Karkharias_65
10
14
6: ChuckDuck_65
10
14
7: Constance_65 + 1
10
15
18
20
8: PeggyLeg03_65

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 7371 Report

This analysis was run 04/12/24 on database version 558.

Pham number 7371 has 9 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Abba_47
• Track 2 : BruhMoment_49
• Track 3 : Judy_68
• Track 4 : Pucara_60
• Track 5 : Karkharias_65
• Track 6 : ChuckDuck_65
• Track 7 : Constance_65, Peas_66
• Track 8 : PeggyLeg03_65

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

The start number called the most often in the published annotations is 10, it was called in 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ChuckDuck_65, Constance_65, Judy_68, Karkharias_65, Peas_66, PeggyLeg03_65, Pucara_60,

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

Genes that do not have the "Most Annotated" start:
• Abba_47, BruhMoment_49,

Summary by start number:

Start 6:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abba_47 (AO3),

Start 8:
• Found in 1 of 9 (11.1%) of genes in pham

• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BruhMoment_49 (AP3),

Start 10:
• Found in 7 of 9 (77.8%) of genes in pham
• Manual Annotations of this start: 4 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ChuckDuck_65 (FA), Constance_65 (FA), Judy_68 (FA), Karkharias_65 (FA), Peas_66 (FA), PeggyLeg03_65 (FA), Pucara_60 (FA),

Summary by clusters:

There are 3 clusters represented in this pham: FA, AO3, AP3,

Info for manual annotations of cluster AO3:
•Start number 6 was manually annotated 1 time for cluster AO3.

Info for manual annotations of cluster AP3:
•Start number 8 was manually annotated 1 time for cluster AP3.

Info for manual annotations of cluster FA:
•Start number 10 was manually annotated 4 times for cluster FA.

Gene Information:

Gene: Abba_47 Start: 34438, Stop: 34677, Start Num: 6
Candidate Starts for Abba_47:
(5, 34411), (Start: 6 @34438 has 1 MA's), (7, 34447), (9, 34468),

Gene: BruhMoment_49 Start: 39690, Stop: 39496, Start Num: 8
Candidate Starts for BruhMoment_49:
(Start: 8 @39690 has 1 MA's), (11, 39666), (12, 39663), (13, 39660),

Gene: ChuckDuck_65 Start: 40948, Stop: 41145, Start Num: 10
Candidate Starts for ChuckDuck_65:
(Start: 10 @40948 has 4 MA's), (14, 41053),

Gene: Constance_65 Start: 41630, Stop: 41827, Start Num: 10
Candidate Starts for Constance_65:
(Start: 10 @41630 has 4 MA's), (14, 41735),

Gene: Judy_68 Start: 41564, Stop: 41761, Start Num: 10
Candidate Starts for Judy_68:
(4, 41480), (Start: 10 @41564 has 4 MA's), (14, 41669),

Gene: Karkharias_65 Start: 40591, Stop: 40788, Start Num: 10
Candidate Starts for Karkharias_65:
(Start: 10 @40591 has 4 MA's), (15, 40699), (16, 40705), (17, 40711),

Gene: Peas_66 Start: 42268, Stop: 42465, Start Num: 10
Candidate Starts for Peas_66:
(Start: 10 @42268 has 4 MA's), (14, 42373),

Gene: PeggyLeg03_65 Start: 41185, Stop: 41382, Start Num: 10
Candidate Starts for PeggyLeg03_65:
(Start: 10 @41185 has 4 MA's), (15, 41293), (18, 41350), (20, 41362),

Gene: Pucara_60 Start: 40417, Stop: 40611, Start Num: 10
Candidate Starts for Pucara_60:
(1, 39919), (2, 39982), (3, 40204), (4, 40333), (Start: 10 @40417 has 4 MA's), (19, 40588),