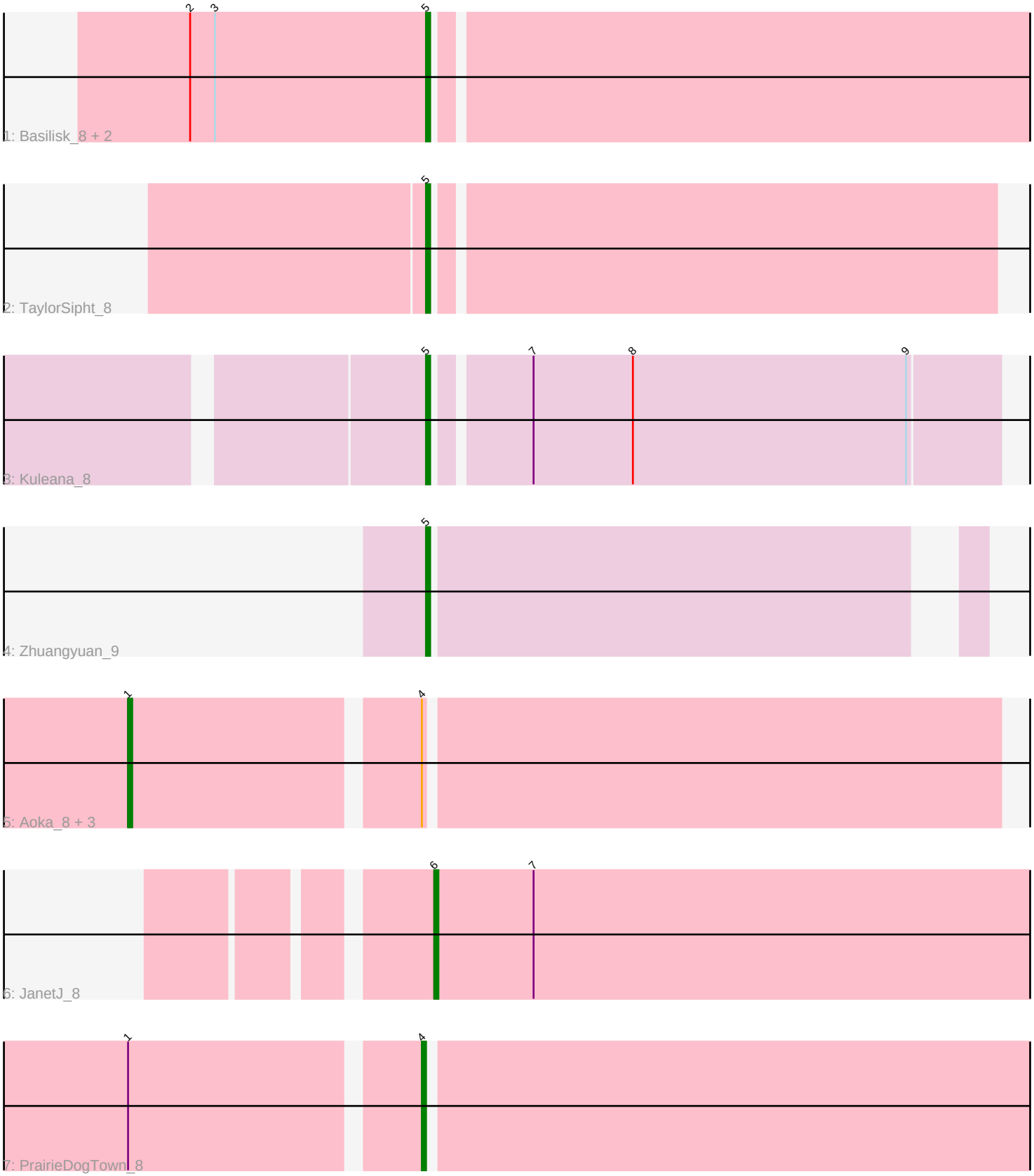
Pham 305449


2
3
5
1: Basilisk_8 + 2
5
2: TaylorSipht_8
5
7
8
9
3: Kuleana_8
5
4: Zhuangyuan_9
1
4
5: Aoka_8 + 3
6
7
6: JanetJ_8
1
4
7: PrairieDogTown_8

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 305449 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305449 has 12 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Basilisk_8, Jamun_8, Brynnie_8
• Track 2 : TaylorSipht_8
• Track 3 : Kuleana_8
• Track 4 : Zhuangyuan_9
• Track 5 : Aoka_8, EvenBluerMoon_8, Morrey_11, Hereford_9
• Track 6 : JanetJ_8
• Track 7 : PrairieDogTown_8

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

The start number called the most often in the published annotations is 5, it was called in 6 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Basilisk_8, Brynnie_8, Jamun_8, Kuleana_8, TaylorSipht_8, Zhuangyuan_9,

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

Genes that do not have the "Most Annotated" start:
• Aoka_8, EvenBluerMoon_8, Hereford_9, JanetJ_8, Morrey_11, PrairieDogTown_8,

Summary by start number:

Start 1:
• Found in 5 of 12 (41.7%) of genes in pham
• Manual Annotations of this start: 3 of 11
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Aoka_8 (FO), EvenBluerMoon_8 (FO), Hereford_9 (FO), Morrey_11 (FO),

Start 4:
• Found in 5 of 12 (41.7%) of genes in pham
• Manual Annotations of this start: 1 of 11

• Called 20.0% of time when present
• Phage (with cluster) where this start called: PrairieDogTown_8 (FO),

Start 5:
• Found in 6 of 12 (50.0%) of genes in pham
• Manual Annotations of this start: 6 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Basilisk_8 (AS1), Brynnie_8 (AS1), Jamun_8 (AS1), Kuleana_8 (AS2), TaylorSipht_8 (AS1), Zhuangyuan_9 (AS2),

Start 6:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: JanetJ_8 (FO),

Summary by clusters:

There are 3 clusters represented in this pham: AS2, AS1, FO,

Info for manual annotations of cluster AS1:
•Start number 5 was manually annotated 4 times for cluster AS1.

Info for manual annotations of cluster AS2:
•Start number 5 was manually annotated 2 times for cluster AS2.

Info for manual annotations of cluster FO:
•Start number 1 was manually annotated 3 times for cluster FO.
•Start number 4 was manually annotated 1 time for cluster FO.
•Start number 6 was manually annotated 1 time for cluster FO.

Gene Information:

Gene: Aoka_8 Start: 7232, Stop: 7573, Start Num: 1
Candidate Starts for Aoka_8:
(Start: 1 @7232 has 3 MA's), (Start: 4 @7298 has 1 MA's),

Gene: Basilisk_8 Start: 7139, Stop: 7408, Start Num: 5
Candidate Starts for Basilisk_8:
(2, 7082), (3, 7088), (Start: 5 @7139 has 6 MA's),

Gene: Brynnie_8 Start: 6936, Stop: 7220, Start Num: 5
Candidate Starts for Brynnie_8:
(2, 6879), (3, 6885), (Start: 5 @6936 has 6 MA's),

Gene: EvenBluerMoon_8 Start: 7230, Stop: 7607, Start Num: 1
Candidate Starts for EvenBluerMoon_8:
(Start: 1 @7230 has 3 MA's), (Start: 4 @7296 has 1 MA's),

Gene: Hereford_9 Start: 7411, Stop: 7752, Start Num: 1
Candidate Starts for Hereford_9:

(Start: 1 @7411 has 3 MA's), (Start: 4 @7477 has 1 MA's),

Gene: Jamun_8 Start: 7154, Stop: 7432, Start Num: 5
Candidate Starts for Jamun_8:
(2, 7097), (3, 7103), (Start: 5 @7154 has 6 MA's),

Gene: JanetJ_8 Start: 7079, Stop: 7387, Start Num: 6
Candidate Starts for JanetJ_8:
(Start: 6 @7079 has 1 MA's), (7, 7103),

Gene: Kuleana_8 Start: 6883, Stop: 7083, Start Num: 5
Candidate Starts for Kuleana_8:
(Start: 5 @6883 has 6 MA's), (7, 6904), (8, 6928), (9, 6994),

Gene: Morrey_11 Start: 7232, Stop: 7609, Start Num: 1
Candidate Starts for Morrey_11:
(Start: 1 @7232 has 3 MA's), (Start: 4 @7298 has 1 MA's),

Gene: PrairieDogTown_8 Start: 7298, Stop: 7609, Start Num: 4
Candidate Starts for PrairieDogTown_8:
(Start: 1 @7232 has 3 MA's), (Start: 4 @7298 has 1 MA's),

Gene: TaylorSipht_8 Start: 6914, Stop: 7159, Start Num: 5
Candidate Starts for TaylorSipht_8:
(Start: 5 @6914 has 6 MA's),

Gene: Zhuangyuan_9 Start: 7207, Stop: 7446, Start Num: 5
Candidate Starts for Zhuangyuan_9:
(Start: 5 @7207 has 6 MA's),