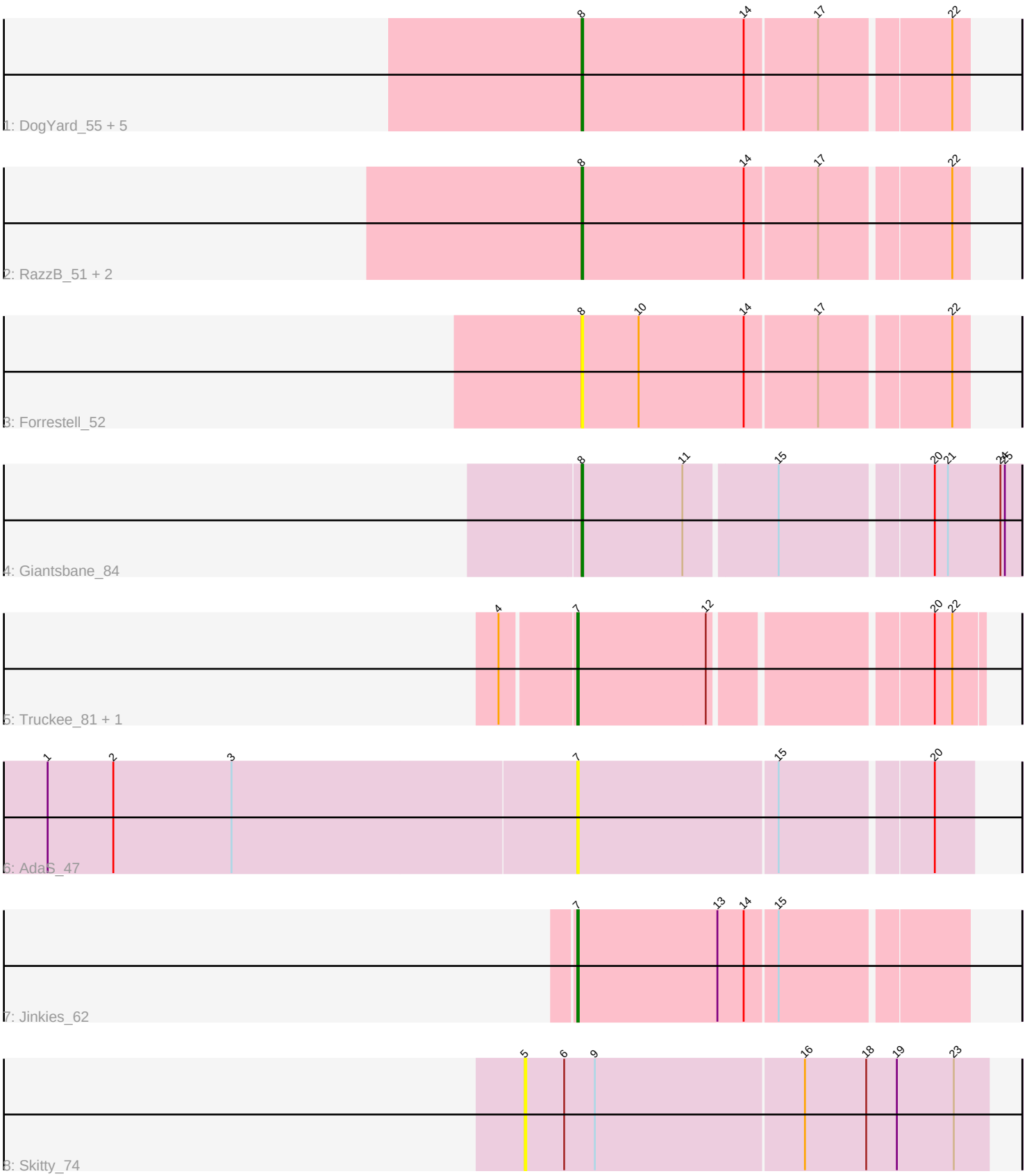
Pham 203407


8
14
17
22
1: DogYard_55 + 5
8
14
17
22
2: RazzB_51 + 2
8
10
14
17
22
3: Forrestell_52
8
11
15
20
21
24
25
4: Giantsbane_84
4
7
12
20
22
5: Truckee_81 + 1
1
2
3
7
15
20
6: AdaS_47
7
13
14
15
7: Jinkies_62
5
6
9
16
18
19
23
8: Skitty_74

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 203407 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203407 has 16 members, 7 are drafts.

Phages represented in each track:
• Track 1 : DogYard_55, Odyssey395_60, Beagle_58, Pointis_56, Kubulix_55, Pureglobe5_59
• Track 2 : RazzB_51, NyleyClemson_54, MellowYellow_55
• Track 3 : Forrestell_52
• Track 4 : Giantsbane_84
• Track 5 : Truckee_81, Makai_84
• Track 6 : AdaS_47
• Track 7 : Jinkies_62
• Track 8 : Skitty_74

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

The start number called the most often in the published annotations is 8, it was called in 6 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beagle_58, DogYard_55, Forrestell_52, Giantsbane_84, Kubulix_55, MellowYellow_55, NyleyClemson_54, Odyssey395_60, Pointis_56, Pureglobe5_59, RazzB_51,

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

Genes that do not have the "Most Annotated" start:
• AdaS_47, Jinkies_62, Makai_84, Skitty_74, Truckee_81,

Summary by start number:

Start 5:
• Found in 1 of 16 (6.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Skitty_74 (FQ),

Start 7:
• Found in 4 of 16 (25.0%) of genes in pham
• Manual Annotations of this start: 3 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AdaS_47 (AY), Jinkies_62 (FL), Makai_84 (AU5), Truckee_81 (AU5),

Start 8:
• Found in 11 of 16 (68.8%) 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: Beagle_58 (AP2), DogYard_55 (AP2), Forrestell_52 (AP2), Giantsbane_84 (AU2), Kubulix_55 (AP2), MellowYellow_55 (AP2), NyleyClemson_54 (AP2), Odyssey395_60 (AP2), Pointis_56 (AP2), Pureglobe5_59 (AP2), RazzB_51 (AP2),

Summary by clusters:

There are 6 clusters represented in this pham: FQ, AP2, AU2, AU5, AY, FL,

Info for manual annotations of cluster AP2:
•Start number 8 was manually annotated 5 times for cluster AP2.

Info for manual annotations of cluster AU2:
•Start number 8 was manually annotated 1 time for cluster AU2.

Info for manual annotations of cluster AU5:
•Start number 7 was manually annotated 2 times for cluster AU5.

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

Gene Information:

Gene: AdaS_47 Start: 29027, Stop: 29287, Start Num: 7
Candidate Starts for AdaS_47:
(1, 28667), (2, 28712), (3, 28793), (Start: 7 @29027 has 3 MA's), (15, 29162), (20, 29261),

Gene: Beagle_58 Start: 40124, Stop: 39870, Start Num: 8
Candidate Starts for Beagle_58:
(Start: 8 @40124 has 6 MA's), (14, 40013), (17, 39965), (22, 39881),

Gene: DogYard_55 Start: 40041, Stop: 39787, Start Num: 8
Candidate Starts for DogYard_55:
(Start: 8 @40041 has 6 MA's), (14, 39930), (17, 39882), (22, 39798),

Gene: Forrestell_52 Start: 38685, Stop: 38431, Start Num: 8
Candidate Starts for Forrestell_52:
(Start: 8 @38685 has 6 MA's), (10, 38646), (14, 38574), (17, 38526), (22, 38442),

Gene: Giantsbane_84 Start: 50534, Stop: 50821, Start Num: 8
Candidate Starts for Giantsbane_84:
(Start: 8 @50534 has 6 MA's), (11, 50603), (15, 50663), (20, 50762), (21, 50771), (24, 50807), (25, 50810),

Gene: Jinkies_62 Start: 41367, Stop: 41624, Start Num: 7
Candidate Starts for Jinkies_62:
(Start: 7 @41367 has 3 MA's), (13, 41463), (14, 41481), (15, 41502),

Gene: Kubulix_55 Start: 39974, Stop: 39720, Start Num: 8
Candidate Starts for Kubulix_55:
(Start: 8 @39974 has 6 MA's), (14, 39863), (17, 39815), (22, 39731),

Gene: Makai_84 Start: 52282, Stop: 52539, Start Num: 7
Candidate Starts for Makai_84:
(4, 52234), (Start: 7 @52282 has 3 MA's), (12, 52369), (20, 52507), (22, 52519),

Gene: MellowYellow_55 Start: 39146, Stop: 38892, Start Num: 8
Candidate Starts for MellowYellow_55:
(Start: 8 @39146 has 6 MA's), (14, 39035), (17, 38987), (22, 38903),

Gene: NyleyClemson_54 Start: 38761, Stop: 38507, Start Num: 8
Candidate Starts for NyleyClemson_54:
(Start: 8 @38761 has 6 MA's), (14, 38650), (17, 38602), (22, 38518),

Gene: Odyssey395_60 Start: 40348, Stop: 40094, Start Num: 8
Candidate Starts for Odyssey395_60:
(Start: 8 @40348 has 6 MA's), (14, 40237), (17, 40189), (22, 40105),

Gene: Pointis_56 Start: 40164, Stop: 39910, Start Num: 8
Candidate Starts for Pointis_56:
(Start: 8 @40164 has 6 MA's), (14, 40053), (17, 40005), (22, 39921),

Gene: Pureglobe5_59 Start: 40595, Stop: 40341, Start Num: 8
Candidate Starts for Pureglobe5_59:
(Start: 8 @40595 has 6 MA's), (14, 40484), (17, 40436), (22, 40352),

Gene: RazzB_51 Start: 38892, Stop: 38638, Start Num: 8
Candidate Starts for RazzB_51:
(Start: 8 @38892 has 6 MA's), (14, 38781), (17, 38733), (22, 38649),

Gene: Skitty_74 Start: 36588, Stop: 36902, Start Num: 5
Candidate Starts for Skitty_74:
(5, 36588), (6, 36615), (9, 36636), (16, 36777), (18, 36819), (19, 36840), (23, 36879),

Gene: Truckee_81 Start: 51975, Stop: 52232, Start Num: 7
Candidate Starts for Truckee_81:
(4, 51927), (Start: 7 @51975 has 3 MA's), (12, 52062), (20, 52200), (22, 52212),