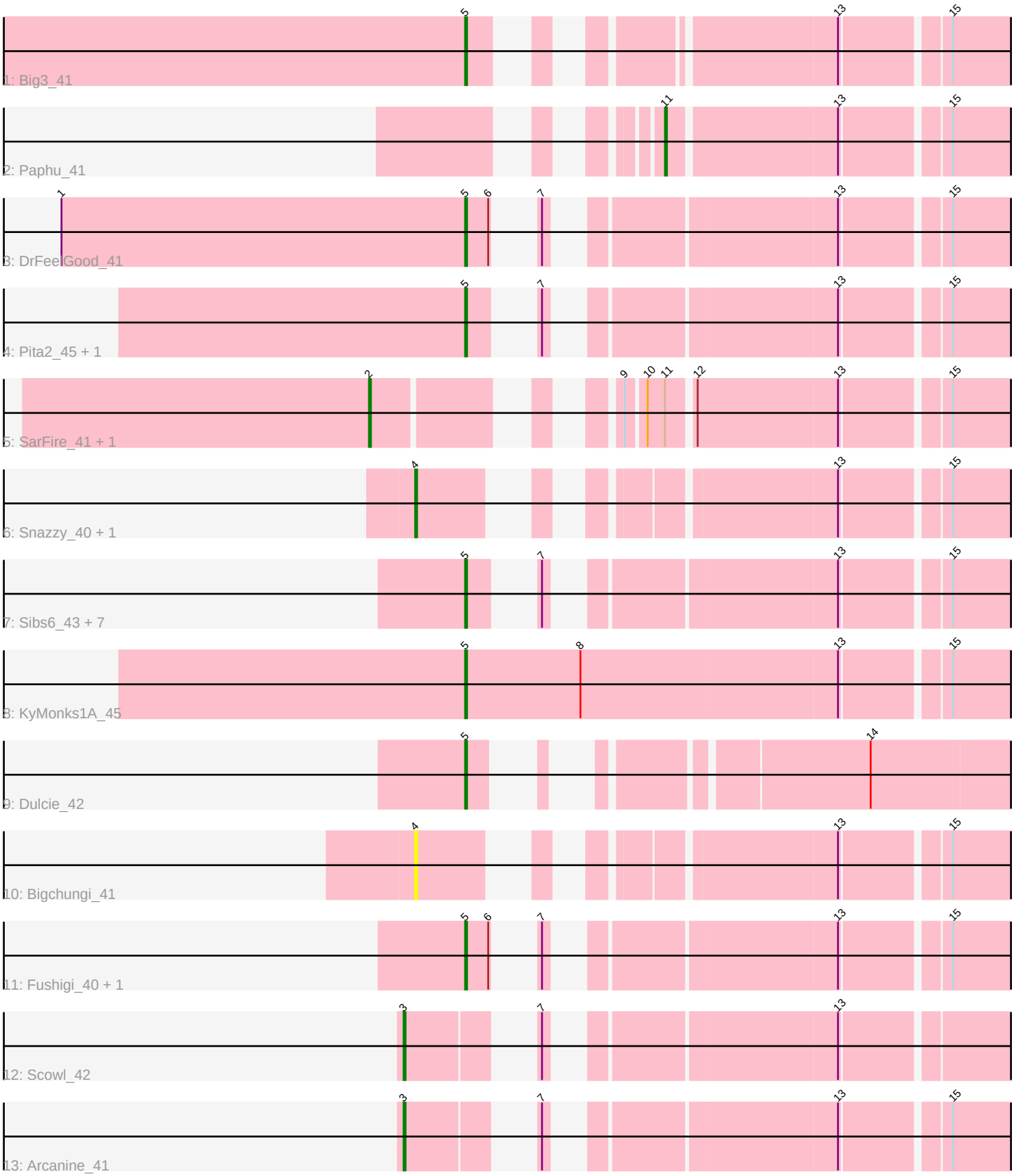
Pham 224863


5
13
15
1: Big3_41
11
13
15
2: Paphu_41
1
5
6
7
13
15
3: DrFeelGood_41
5
7
13
15
4: Pita2_45 + 1
2
9
10
11
12
13
15
5: SarFire_41 + 1
4
13
15
6: Snazzy_40 + 1
5
7
13
15
7: Sibs6_43 + 7
5
8
13
15
8: KyMonks1A_45
5
14
9: Dulcie_42
4
13
15
10: Bigchungi_41
5
6
7
13
15
11: Fushigi_40 + 1
3
7
13
12: Scowl_42
3
7
13
15
13: Arcanine_41

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 224863 Report

This analysis was run 03/28/25 on database version 593.

Pham number 224863 has 24 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Big3_41
• Track 2 : Paphu_41
• Track 3 : DrFeelGood_41
• Track 4 : Pita2_45, PSullivan_42
• Track 5 : SarFire_41, Thor_41
• Track 6 : Snazzy_40, ShortQueendom_37
• Track 7 : Sibs6_43, Gwendoluna_44, Jorgensen_42, Parliament_41, Adahisdi_42, Oogway_40, JackSparrow_44, Makemake_42
• Track 8 : KyMonks1A_45
• Track 9 : Dulcie_42
• Track 10 : Bigchungi_41
• Track 11 : Fushigi_40, BillKnuckles_42
• Track 12 : Scowl_42
• Track 13 : Arcanine_41

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 16 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adahisdi_42, Big3_41, BillKnuckles_42, DrFeelGood_41, Dulcie_42, Fushigi_40, Gwendoluna_44, JackSparrow_44, Jorgensen_42, KyMonks1A_45, Makemake_42, Oogway_40, PSullivan_42, Parliament_41, Pita2_45, Sibs6_43,

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

Genes that do not have the "Most Annotated" start:
• Arcanine_41, Bigchungi_41, Paphu_41, SarFire_41, Scowl_42, ShortQueendom_37, Snazzy_40, Thor_41,

Summary by start number:

Start 2:
• Found in 2 of 24 (8.3%) of genes in pham
• Manual Annotations of this start: 2 of 22
• Called 100.0% of time when present
• Phage (with cluster) where this start called: SarFire_41 (A1), Thor_41 (A1),

Start 3:
• Found in 2 of 24 (8.3%) of genes in pham
• Manual Annotations of this start: 2 of 22
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arcanine_41 (A1), Scowl_42 (A1),

Start 4:
• Found in 3 of 24 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 22
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bigchungi_41 (A1), ShortQueendom_37 (A1), Snazzy_40 (A1),

Start 5:
• Found in 16 of 24 (66.7%) of genes in pham
• Manual Annotations of this start: 16 of 22
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adahisdi_42 (A1), Big3_41 (A1), BillKnuckles_42 (A1), DrFeelGood_41 (A1), Dulcie_42 (A1), Fushigi_40 (A1), Gwendoluna_44 (A1), JackSparrow_44 (A1), Jorgensen_42 (A1), KyMonks1A_45 (A1), Makemake_42 (A1), Oogway_40 (A1), PSullivan_42 (A1), Parliament_41 (A1), Pita2_45 (A1), Sibs6_43 (A1),

Start 11:
• Found in 3 of 24 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 22
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Paphu_41 (A1),

Summary by clusters:

There is one cluster represented in this pham: A1

Info for manual annotations of cluster A1:
•Start number 2 was manually annotated 2 times for cluster A1.
•Start number 3 was manually annotated 2 times for cluster A1.
•Start number 4 was manually annotated 1 time for cluster A1.
•Start number 5 was manually annotated 16 times for cluster A1.
•Start number 11 was manually annotated 1 time for cluster A1.

Gene Information:

Gene: Adahisdi_42 Start: 32146, Stop: 31904, Start Num: 5
Candidate Starts for Adahisdi_42:
(Start: 5 @32146 has 16 MA's), (7, 32131), (13, 32005), (15, 31954),

Gene: Arcanine_41 Start: 31349, Stop: 31077, Start Num: 3
Candidate Starts for Arcanine_41:
(Start: 3 @31349 has 2 MA's), (7, 31304), (13, 31178), (15, 31127),

Gene: Big3_41 Start: 32438, Stop: 32196, Start Num: 5
Candidate Starts for Big3_41:
(Start: 5 @32438 has 16 MA's), (13, 32297), (15, 32246),

Gene: Bigchungi_41 Start: 31571, Stop: 31308, Start Num: 4
Candidate Starts for Bigchungi_41:
(Start: 4 @31571 has 1 MA's), (13, 31409), (15, 31358),

Gene: BillKnuckles_42 Start: 32660, Stop: 32418, Start Num: 5
Candidate Starts for BillKnuckles_42:
(Start: 5 @32660 has 16 MA's), (6, 32648), (7, 32645), (13, 32519), (15, 32468),

Gene: DrFeelGood_41 Start: 32592, Stop: 32350, Start Num: 5
Candidate Starts for DrFeelGood_41:
(1, 32802), (Start: 5 @32592 has 16 MA's), (6, 32580), (7, 32577), (13, 32451), (15, 32400),

Gene: Dulcie_42 Start: 32111, Stop: 31875, Start Num: 5
Candidate Starts for Dulcie_42:
(Start: 5 @32111 has 16 MA's), (14, 31967),

Gene: Fushigi_40 Start: 30062, Stop: 29820, Start Num: 5
Candidate Starts for Fushigi_40:
(Start: 5 @30062 has 16 MA's), (6, 30050), (7, 30047), (13, 29921), (15, 29870),

Gene: Gwendoluna_44 Start: 34030, Stop: 33788, Start Num: 5
Candidate Starts for Gwendoluna_44:
(Start: 5 @34030 has 16 MA's), (7, 34015), (13, 33889), (15, 33838),

Gene: JackSparrow_44 Start: 32959, Stop: 32717, Start Num: 5
Candidate Starts for JackSparrow_44:
(Start: 5 @32959 has 16 MA's), (7, 32944), (13, 32818), (15, 32767),

Gene: Jorgensen_42 Start: 32074, Stop: 31832, Start Num: 5
Candidate Starts for Jorgensen_42:
(Start: 5 @32074 has 16 MA's), (7, 32059), (13, 31933), (15, 31882),

Gene: KyMonks1A_45 Start: 32790, Stop: 32497, Start Num: 5
Candidate Starts for KyMonks1A_45:
(Start: 5 @32790 has 16 MA's), (8, 32730), (13, 32598), (15, 32547),

Gene: Makemake_42 Start: 33140, Stop: 32898, Start Num: 5
Candidate Starts for Makemake_42:
(Start: 5 @33140 has 16 MA's), (7, 33125), (13, 32999), (15, 32948),

Gene: Oogway_40 Start: 31353, Stop: 31111, Start Num: 5
Candidate Starts for Oogway_40:
(Start: 5 @31353 has 16 MA's), (7, 31338), (13, 31212), (15, 31161),

Gene: PSullivan_42 Start: 31747, Stop: 31505, Start Num: 5
Candidate Starts for PSullivan_42:
(Start: 5 @31747 has 16 MA's), (7, 31732), (13, 31606), (15, 31555),

Gene: Paphu_41 Start: 32017, Stop: 31832, Start Num: 11
Candidate Starts for Paphu_41:
(Start: 11 @32017 has 1 MA's), (13, 31933), (15, 31882),

Gene: Parliament_41 Start: 32362, Stop: 32120, Start Num: 5
Candidate Starts for Parliament_41:
(Start: 5 @32362 has 16 MA's), (7, 32347), (13, 32221), (15, 32170),

Gene: Pita2_45 Start: 33244, Stop: 33002, Start Num: 5
Candidate Starts for Pita2_45:
(Start: 5 @33244 has 16 MA's), (7, 33229), (13, 33103), (15, 33052),

Gene: SarFire_41 Start: 32238, Stop: 31951, Start Num: 2
Candidate Starts for SarFire_41:
(Start: 2 @32238 has 2 MA's), (9, 32154), (10, 32145), (Start: 11 @32136 has 1 MA's), (12, 32124), (13, 32052), (15, 32001),

Gene: Scowl_42 Start: 32734, Stop: 32462, Start Num: 3
Candidate Starts for Scowl_42:
(Start: 3 @32734 has 2 MA's), (7, 32689), (13, 32563),

Gene: ShortQueendom_37 Start: 28736, Stop: 28473, Start Num: 4
Candidate Starts for ShortQueendom_37:
(Start: 4 @28736 has 1 MA's), (13, 28574), (15, 28523),

Gene: Sibs6_43 Start: 31379, Stop: 31137, Start Num: 5
Candidate Starts for Sibs6_43:
(Start: 5 @31379 has 16 MA's), (7, 31364), (13, 31238), (15, 31187),

Gene: Snazzy_40 Start: 31803, Stop: 31540, Start Num: 4
Candidate Starts for Snazzy_40:
(Start: 4 @31803 has 1 MA's), (13, 31641), (15, 31590),

Gene: Thor_41 Start: 31596, Stop: 31309, Start Num: 2
Candidate Starts for Thor_41:
(Start: 2 @31596 has 2 MA's), (9, 31512), (10, 31503), (Start: 11 @31494 has 1 MA's), (12, 31482), (13, 31410), (15, 31359),