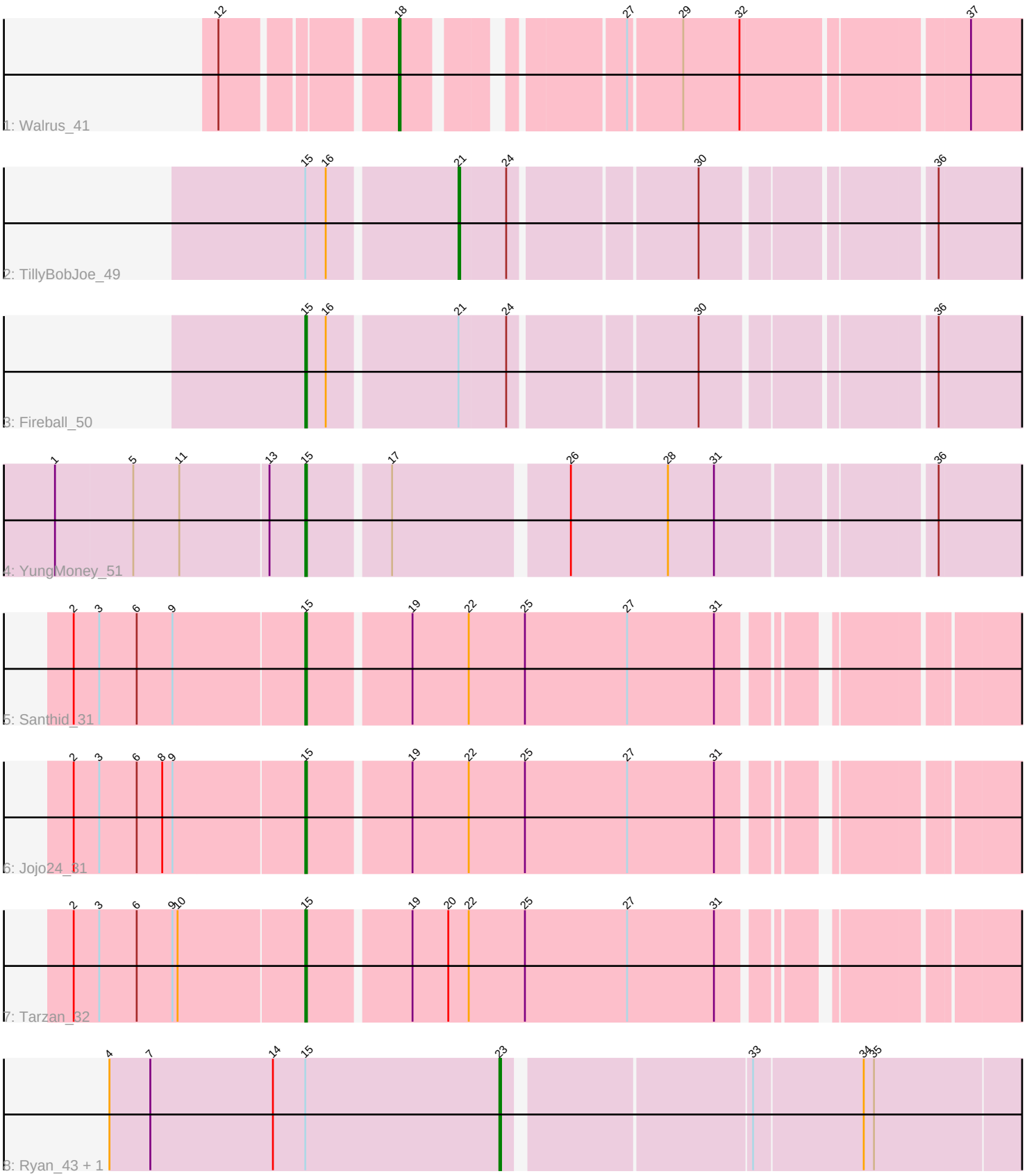
Pham 158390


12
18
27
29
32
37
1: Walrus_41
15
16
21
24
30
36
2: TillyBobJoe_49
15
16
21
24
30
36
3: Fireball_50
1
5
11
13
15
17
26
28
31
36
4: YungMoney_51
2
3
6
9
15
19
22
25
27
31
5: Santhid_31
2
3
6
8
9
15
19
22
25
27
31
6: Jojo24_81
2
3
6
9
10
15
19
20
22
25
27
31
7: Tarzan_32
4
7
14
15
23
33
34
35
8: Ryan_43 + 1

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 158390 Report

This analysis was run 04/13/24 on database version 558.

Pham number 158390 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Walrus_41
• Track 2 : TillyBobJoe_49
• Track 3 : Fireball_50
• Track 4 : YungMoney_51
• Track 5 : Santhid_31
• Track 6 : Jojo24_31
• Track 7 : Tarzan_32
• Track 8 : Ryan_43, Nandita_43

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

The start number called the most often in the published annotations is 15, it was called in 5 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Fireball_50, Jojo24_31, Santhid_31, Tarzan_32, YungMoney_51,

Genes that have the "Most Annotated" start but do not call it:
• Nandita_43, Ryan_43, TillyBobJoe_49,

Genes that do not have the "Most Annotated" start:
• Walrus_41,

Summary by start number:

Start 15:
• Found in 8 of 9 (88.9%) of genes in pham
• Manual Annotations of this start: 5 of 9
• Called 62.5% of time when present
• Phage (with cluster) where this start called: Fireball_50 (DC1), Jojo24_31 (DY), Santhid_31 (DY), Tarzan_32 (DY), YungMoney_51 (DC1),

Start 18:
• 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: Walrus_41 (CV),

Start 21:
• Found in 2 of 9 (22.2%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 50.0% of time when present
• Phage (with cluster) where this start called: TillyBobJoe_49 (DC1),

Start 23:
• 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: Nandita_43 (FF), Ryan_43 (FF),

Summary by clusters:

There are 4 clusters represented in this pham: DY, CV, FF, DC1,

Info for manual annotations of cluster CV:
•Start number 18 was manually annotated 1 time for cluster CV.

Info for manual annotations of cluster DC1:
•Start number 15 was manually annotated 2 times for cluster DC1.
•Start number 21 was manually annotated 1 time for cluster DC1.

Info for manual annotations of cluster DY:
•Start number 15 was manually annotated 3 times for cluster DY.

Info for manual annotations of cluster FF:
•Start number 23 was manually annotated 2 times for cluster FF.

Gene Information:

Gene: Fireball_50 Start: 40315, Stop: 39920, Start Num: 15
Candidate Starts for Fireball_50:
(Start: 15 @40315 has 5 MA's), (16, 40303), (Start: 21 @40231 has 1 MA's), (24, 40204), (30, 40102), (36, 39979),

Gene: Jojo24_31 Start: 26167, Stop: 25778, Start Num: 15
Candidate Starts for Jojo24_31:
(2, 26299), (3, 26284), (6, 26263), (8, 26248), (9, 26242), (Start: 15 @26167 has 5 MA's), (19, 26110), (22, 26077), (25, 26044), (27, 25984), (31, 25933),

Gene: Nandita_43 Start: 29959, Stop: 29645, Start Num: 23
Candidate Starts for Nandita_43:
(4, 30187), (7, 30163), (14, 30091), (Start: 15 @30073 has 5 MA's), (Start: 23 @29959 has 2 MA's), (33, 29824), (34, 29761), (35, 29755),

Gene: Ryan_43 Start: 30508, Stop: 30194, Start Num: 23

Candidate Starts for Ryan_43:
(4, 30736), (7, 30712), (14, 30640), (Start: 15 @30622 has 5 MA's), (Start: 23 @30508 has 2 MA's), (33, 30373), (34, 30310), (35, 30304),

Gene: Santhid_31 Start: 24886, Stop: 24497, Start Num: 15
Candidate Starts for Santhid_31:
(2, 25018), (3, 25003), (6, 24982), (9, 24961), (Start: 15 @24886 has 5 MA's), (19, 24829), (22, 24796), (25, 24763), (27, 24703), (31, 24652),

Gene: Tarzan_32 Start: 26056, Stop: 25667, Start Num: 15
Candidate Starts for Tarzan_32:
(2, 26188), (3, 26173), (6, 26152), (9, 26131), (10, 26128), (Start: 15 @26056 has 5 MA's), (19, 25999), (20, 25978), (22, 25966), (25, 25933), (27, 25873), (31, 25822),

Gene: TillyBobJoe_49 Start: 39897, Stop: 39586, Start Num: 21
Candidate Starts for TillyBobJoe_49:
(Start: 15 @39981 has 5 MA's), (16, 39969), (Start: 21 @39897 has 1 MA's), (24, 39870), (30, 39768), (36, 39645),

Gene: Walrus_41 Start: 32609, Stop: 32277, Start Num: 18
Candidate Starts for Walrus_41:
(12, 32699), (Start: 18 @32609 has 1 MA's), (27, 32504), (29, 32474), (32, 32441), (37, 32318),

Gene: YungMoney_51 Start: 42233, Stop: 41832, Start Num: 15
Candidate Starts for YungMoney_51:
(1, 42377), (5, 42332), (11, 42305), (13, 42254), (Start: 15 @42233 has 5 MA's), (17, 42188), (26, 42092), (28, 42035), (31, 42008), (36, 41891),