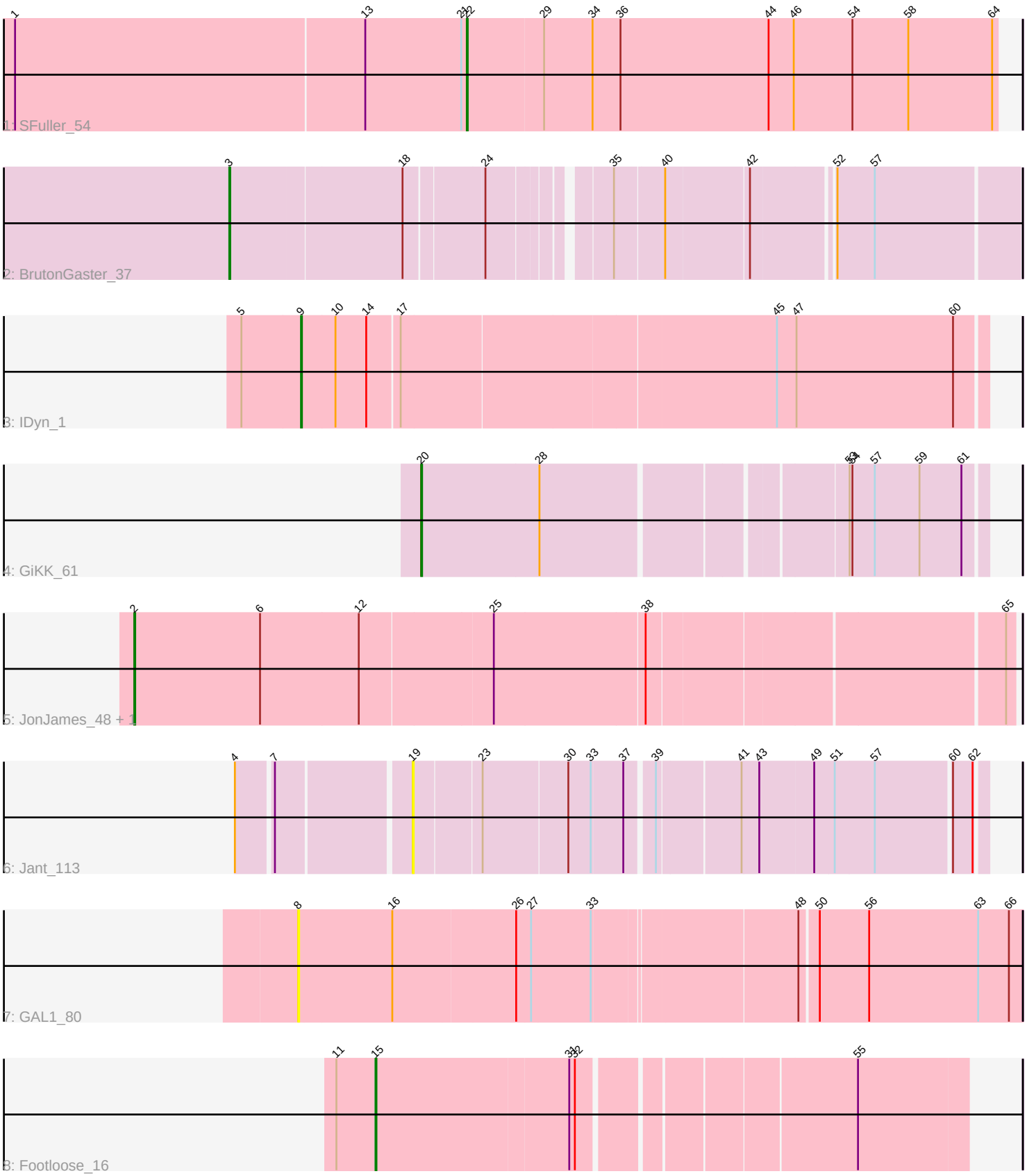
Pham 331545


1
13
22
22
29
34
36
44
46
54
58
64
1: SFuller_54
3
18
24
35
40
42
52
57
2: BrutonGaster_37
5
9
10
14
17
45
47
60
3: IDyn_1
20
28
57
59
61
4: GiKK_61
2
6
12
25
38
65
5: JonJames_48 + 1
4
7
19
23
30
33
37
39
41
43
49
51
57
60
62
6: Jant_113
8
16
26
27
33
48
50
56
63
66
7: GAL1_80
11
15
55
8: Footloose_16

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 331545 Report

This analysis was run 09/05/26 on database version 662.

Pham number 331545 has 9 members, 2 are drafts.

Phages represented in each track:
• Track 1 : SFuller_54
• Track 2 : BrutonGaster_37
• Track 3 : IDyn_1
• Track 4 : GiKK_61
• Track 5 : JonJames_48, Yvonnetastic_46
• Track 6 : Jant_113
• Track 7 : GAL1_80
• Track 8 : Footloose_16

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

The start number called the most often in the published annotations is 2, it was called in 2 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• JonJames_48, Yvonnetastic_46,

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

Genes that do not have the "Most Annotated" start:
• BrutonGaster_37, Footloose_16, GAL1_80, GiKK_61, IDyn_1, Jant_113, SFuller_54,

Summary by start number:

Start 2:
• Found in 2 of 9 (22.2%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: JonJames_48 (DD), Yvonnetastic_46 (DD),

Start 3:

• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BrutonGaster_37 (CQ2),

Start 8:
• Found in 1 of 9 (11.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GAL1_80 (singleton),

Start 9:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: IDyn_1 (CR4),

Start 15:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Footloose_16 (singleton),

Start 19:
• Found in 1 of 9 (11.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jant_113 (F1),

Start 20:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GiKK_61 (CT),

Start 22:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: SFuller_54 (CF),

Summary by clusters:

There are 7 clusters represented in this pham: F1, singleton, CR4, DD, CF, CQ2, CT,

Info for manual annotations of cluster CF:
•Start number 22 was manually annotated 1 time for cluster CF.

Info for manual annotations of cluster CQ2:
•Start number 3 was manually annotated 1 time for cluster CQ2.

Info for manual annotations of cluster CR4:
•Start number 9 was manually annotated 1 time for cluster CR4.

Info for manual annotations of cluster CT:
•Start number 20 was manually annotated 1 time for cluster CT.

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

Gene Information:

Gene: BrutonGaster_37 Start: 27677, Stop: 28441, Start Num: 3
Candidate Starts for BrutonGaster_37:
(Start: 3 @27677 has 1 MA's), (18, 27857), (24, 27935), (35, 28043), (40, 28091), (42, 28175), (52, 28253), (57, 28292),

Gene: Footloose_16 Start: 9392, Stop: 9988, Start Num: 15
Candidate Starts for Footloose_16:
(11, 9350), (Start: 15 @9392 has 1 MA's), (31, 9596), (32, 9602), (55, 9872),

Gene: GAL1_80 Start: 48654, Stop: 49394, Start Num: 8
Candidate Starts for GAL1_80:
(8, 48654), (16, 48753), (26, 48882), (27, 48897), (33, 48960), (48, 49161), (50, 49179), (56, 49230), (63, 49347), (66, 49380),

Gene: GiKK_61 Start: 40561, Stop: 39992, Start Num: 20
Candidate Starts for GiKK_61:
(Start: 20 @40561 has 1 MA's), (28, 40435), (53, 40135), (54, 40132), (57, 40108), (59, 40060), (61, 40015),

Gene: IDyn_1 Start: 79, Stop: 786, Start Num: 9
Candidate Starts for IDyn_1:
(5, 16), (Start: 9 @79 has 1 MA's), (10, 115), (14, 148), (17, 181), (45, 568), (47, 586), (60, 754),

Gene: Jant_113 Start: 57191, Stop: 57763, Start Num: 19
Candidate Starts for Jant_113:
(4, 57020), (7, 57056), (19, 57191), (23, 57260), (30, 57347), (33, 57371), (37, 57404), (39, 57431), (41, 57515), (43, 57533), (49, 57590), (51, 57611), (57, 57653), (60, 57731), (62, 57752),

Gene: JonJames_48 Start: 34709, Stop: 35611, Start Num: 2
Candidate Starts for JonJames_48:
(Start: 2 @34709 has 2 MA's), (6, 34844), (12, 34949), (25, 35087), (38, 35243), (65, 35603),

Gene: SFuller_54 Start: 38645, Stop: 39211, Start Num: 22
Candidate Starts for SFuller_54:
(1, 38165), (13, 38537), (21, 38639), (Start: 22 @38645 has 1 MA's), (29, 38726), (34, 38777), (36, 38807), (44, 38966), (46, 38993), (54, 39056), (58, 39116), (64, 39206),

Gene: Yvonnetastic_46 Start: 32244, Stop: 33146, Start Num: 2
Candidate Starts for Yvonnetastic_46:
(Start: 2 @32244 has 2 MA's), (6, 32379), (12, 32484), (25, 32622), (38, 32778), (65, 33138),