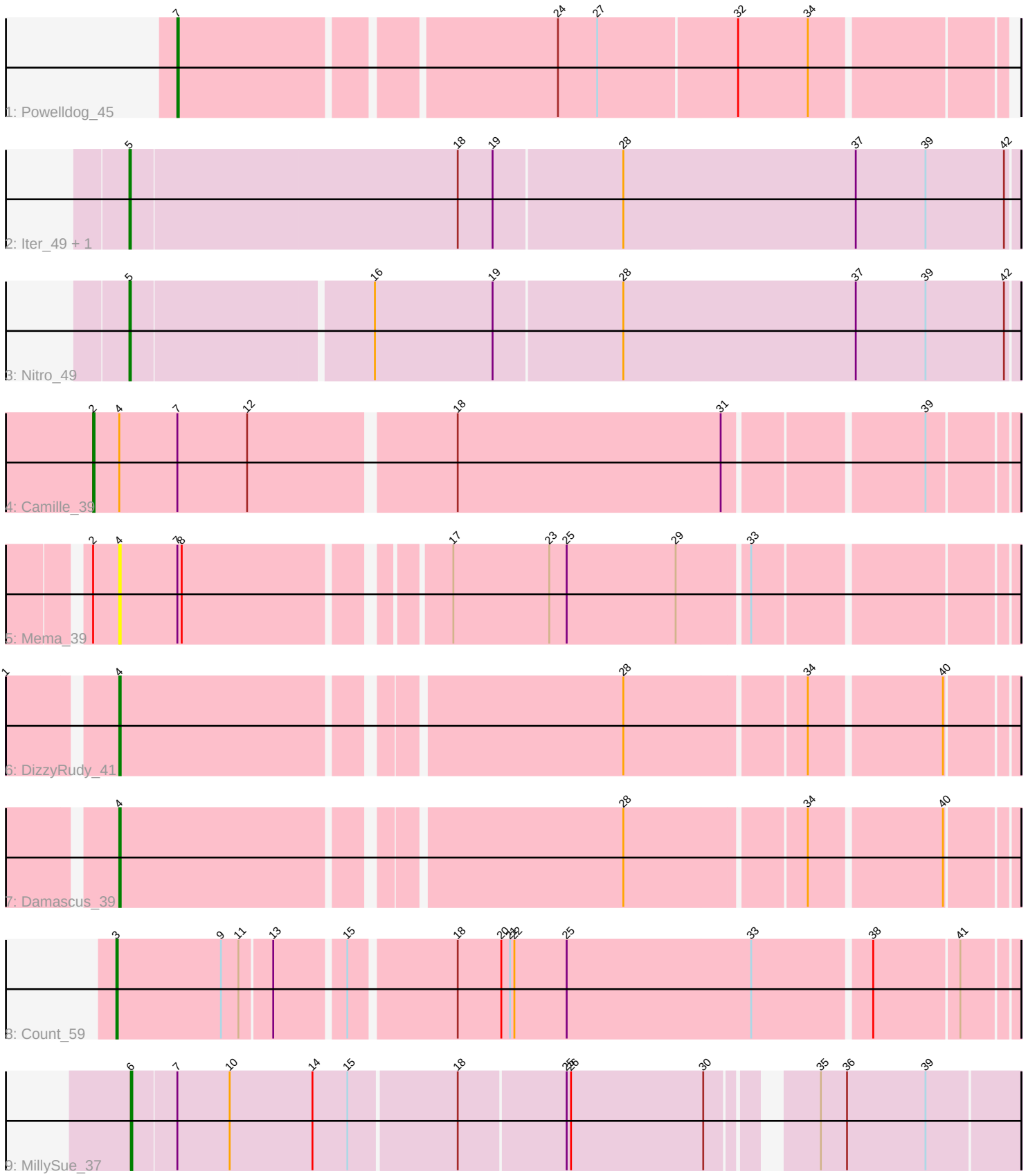
Pham 309737


7
24
27
32
34
1: Powelldog_45
5
18
19
28
37
39
42
2: Iter_49 + 1
5
16
19
28
37
39
42
3: Nitro_49
2
4
7
12
18
31
39
4: Camille_39
2
4
7
8
17
23
25
29
33
5: Mema_39
1
4
28
34
40
6: DizzyRudy_41
4
28
34
40
7: Damascus_39
3
9
11
13
15
18
20
21
22
25
33
38
41
8: Count_59
6
7
10
14
15
18
25
26
30
35
36
39
9: MillySue_37

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 309737 Report

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

Pham number 309737 has 10 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Powelldog_45
• Track 2 : Iter_49, Ascela_49
• Track 3 : Nitro_49
• Track 4 : Camille_39
• Track 5 : Mema_39
• Track 6 : DizzyRudy_41
• Track 7 : Damascus_39
• Track 8 : Count_59
• Track 9 : MillySue_37

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 3 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ascela_49, Iter_49, Nitro_49,

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

Genes that do not have the "Most Annotated" start:
• Camille_39, Count_59, Damascus_39, DizzyRudy_41, Mema_39, MillySue_37, Powelldog_45,

Summary by start number:

Start 2:
• Found in 2 of 10 (20.0%) 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: Camille_39 (EL),

Start 3:

• Found in 1 of 10 (10.0%) 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: Count_59 (EL),

Start 4:
• Found in 4 of 10 (40.0%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Damascus_39 (EL), DizzyRudy_41 (EL), Mema_39 (EL),

Start 5:
• Found in 3 of 10 (30.0%) 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: Ascela_49 (AZ1), Iter_49 (AZ1), Nitro_49 (AZ1),

Start 6:
• Found in 1 of 10 (10.0%) 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: MillySue_37 (FF),

Start 7:
• Found in 4 of 10 (40.0%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Powelldog_45 (AW),

Summary by clusters:

There are 4 clusters represented in this pham: AZ1, FF, AW, EL,

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

Info for manual annotations of cluster AZ1:
•Start number 5 was manually annotated 3 times for cluster AZ1.

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

Info for manual annotations of cluster FF:
•Start number 6 was manually annotated 1 time for cluster FF.

Gene Information:

Gene: Ascela_49 Start: 34968, Stop: 35570, Start Num: 5
Candidate Starts for Ascela_49:
(Start: 5 @34968 has 3 MA's), (18, 35190), (19, 35214), (28, 35301), (37, 35460), (39, 35508), (42, 35562),

Gene: Camille_39 Start: 27580, Stop: 28182, Start Num: 2
Candidate Starts for Camille_39:
(Start: 2 @27580 has 1 MA's), (Start: 4 @27598 has 2 MA's), (Start: 7 @27637 has 1 MA's), (12, 27685), (18, 27820), (31, 28000), (39, 28126),

Gene: Count_59 Start: 41665, Stop: 42255, Start Num: 3
Candidate Starts for Count_59:
(Start: 3 @41665 has 1 MA's), (9, 41737), (11, 41749), (13, 41770), (15, 41815), (18, 41884), (20, 41914), (21, 41920), (22, 41923), (25, 41959), (33, 42085), (38, 42163), (41, 42220),

Gene: Damascus_39 Start: 28649, Stop: 29218, Start Num: 4
Candidate Starts for Damascus_39:
(Start: 4 @28649 has 2 MA's), (28, 28970), (34, 29087), (40, 29174),

Gene: DizzyRudy_41 Start: 28536, Stop: 29105, Start Num: 4
Candidate Starts for DizzyRudy_41:
(1, 28470), (Start: 4 @28536 has 2 MA's), (28, 28857), (34, 28974), (40, 29061),

Gene: Iter_49 Start: 34961, Stop: 35563, Start Num: 5
Candidate Starts for Iter_49:
(Start: 5 @34961 has 3 MA's), (18, 35183), (19, 35207), (28, 35294), (37, 35453), (39, 35501), (42, 35555),

Gene: Mema_39 Start: 30346, Stop: 30915, Start Num: 4
Candidate Starts for Mema_39:
(Start: 2 @30328 has 1 MA's), (Start: 4 @30346 has 2 MA's), (Start: 7 @30385 has 1 MA's), (8, 30388), (17, 30550), (23, 30616), (25, 30628), (29, 30703), (33, 30748),

Gene: MillySue_37 Start: 27689, Stop: 27114, Start Num: 6
Candidate Starts for MillySue_37:
(Start: 6 @27689 has 1 MA's), (Start: 7 @27659 has 1 MA's), (10, 27623), (14, 27566), (15, 27542), (18, 27470), (25, 27398), (26, 27395), (30, 27305), (35, 27248), (36, 27230), (39, 27176),

Gene: Nitro_49 Start: 36031, Stop: 36627, Start Num: 5
Candidate Starts for Nitro_49:
(Start: 5 @36031 has 3 MA's), (16, 36190), (19, 36271), (28, 36358), (37, 36517), (39, 36565), (42, 36619),

Gene: Powelldog_45 Start: 30939, Stop: 31475, Start Num: 7
Candidate Starts for Powelldog_45:
(Start: 7 @30939 has 1 MA's), (24, 31182), (27, 31209), (32, 31302), (34, 31350),