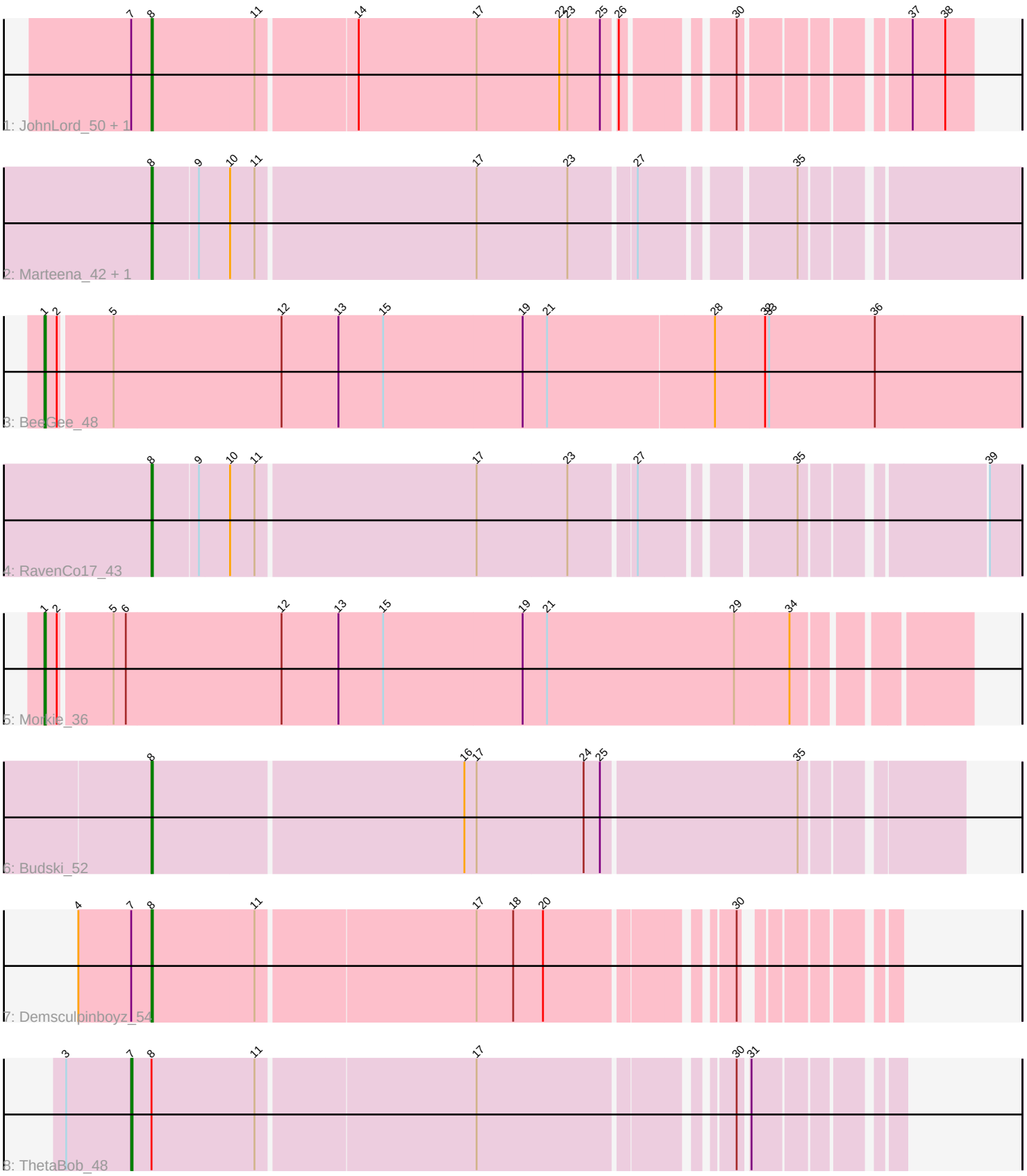
Pham 348243


7
8
11
14
17
22
23
25
26
30
37
38
1: JohnLord_50 + 1
8
9
10
11
17
23
27
35
2: Marteena_42 + 1
1
2
5
12
13
15
19
21
28
32
33
36
3: BeeGee_48
8
9
10
11
17
23
27
35
39
4: RavenCo17_43
1
2
5
6
12
13
15
19
21
29
34
5: Morkie_36
8
16
17
24
25
35
6: Budski_52
4
7
8
11
17
18
20
30
7: Demsculpinboyz_54
3
7
8
11
17
30
31
8: ThetaBob_48

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 348243 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348243 has 10 members, 1 are drafts.

Phages represented in each track:
• Track 1 : JohnLord_50, Mao1_48
• Track 2 : Marteena_42, EMsquaredA_43
• Track 3 : BeeGee_48
• Track 4 : RavenCo17_43
• Track 5 : Morkie_36
• Track 6 : Budski_52
• Track 7 : Demsculpinboyz_54
• Track 8 : ThetaBob_48

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:
• Budski_52, Demsculpinboyz_54, EMsquaredA_43, JohnLord_50, Mao1_48, Marteena_42, RavenCo17_43,

Genes that have the "Most Annotated" start but do not call it:
• ThetaBob_48,

Genes that do not have the "Most Annotated" start:
• BeeGee_48, Morkie_36,

Summary by start number:

Start 1:
• Found in 2 of 10 (20.0%) 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: BeeGee_48 (CY5), Morkie_36 (DH),

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: ThetaBob_48 (F4),

Start 8:
• Found in 8 of 10 (80.0%) of genes in pham
• Manual Annotations of this start: 6 of 9
• Called 87.5% of time when present
• Phage (with cluster) where this start called: Budski_52 (DN), Demsculpinboyz_54 (F2), EMsquaredA_43 (CY1), JohnLord_50 (AD), Mao1_48 (AD), Marteena_42 (CY1), RavenCo17_43 (CZ8),

Summary by clusters:

There are 8 clusters represented in this pham: DN, CY1, F4, AD, DH, F2, CZ8, CY5,

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

Info for manual annotations of cluster CY1:
•Start number 8 was manually annotated 2 times for cluster CY1.

Info for manual annotations of cluster CY5:
•Start number 1 was manually annotated 1 time for cluster CY5.

Info for manual annotations of cluster CZ8:
•Start number 8 was manually annotated 1 time for cluster CZ8.

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

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

Info for manual annotations of cluster F2:
•Start number 8 was manually annotated 1 time for cluster F2.

Info for manual annotations of cluster F4:
•Start number 7 was manually annotated 1 time for cluster F4.

Gene Information:

Gene: BeeGee_48 Start: 35749, Stop: 35042, Start Num: 1
Candidate Starts for BeeGee_48:
(Start: 1 @35749 has 2 MA's), (2, 35740), (5, 35704), (12, 35581), (13, 35539), (15, 35506), (19, 35404), (21, 35386), (28, 35266), (32, 35230), (33, 35227), (36, 35149),

Gene: Budski_52 Start: 35756, Stop: 35184, Start Num: 8
Candidate Starts for Budski_52:
(Start: 8 @35756 has 6 MA's), (16, 35531), (17, 35522), (24, 35444), (25, 35432), (35, 35291),

Gene: Demsculpinboyz_54 Start: 34205, Stop: 33723, Start Num: 8
Candidate Starts for Demsculpinboyz_54:
(4, 34259), (Start: 7 @34220 has 1 MA's), (Start: 8 @34205 has 6 MA's), (11, 34130), (17, 33974), (18, 33947), (20, 33926), (30, 33809),

Gene: EMsquaredA_43 Start: 34832, Stop: 34245, Start Num: 8
Candidate Starts for EMsquaredA_43:
(Start: 8 @34832 has 6 MA's), (9, 34799), (10, 34778), (11, 34760), (17, 34601), (23, 34535), (27, 34490), (35, 34391),

Gene: JohnLord_50 Start: 43467, Stop: 42925, Start Num: 8
Candidate Starts for JohnLord_50:
(Start: 7 @43482 has 1 MA's), (Start: 8 @43467 has 6 MA's), (11, 43392), (14, 43323), (17, 43236), (22, 43176), (23, 43170), (25, 43146), (26, 43137), (30, 43071), (37, 42969), (38, 42945),

Gene: Mao1_48 Start: 42470, Stop: 41928, Start Num: 8
Candidate Starts for Mao1_48:
(Start: 7 @42485 has 1 MA's), (Start: 8 @42470 has 6 MA's), (11, 42395), (14, 42326), (17, 42239), (22, 42179), (23, 42173), (25, 42149), (26, 42140), (30, 42074), (37, 41972), (38, 41948),

Gene: Marteena_42 Start: 34832, Stop: 34245, Start Num: 8
Candidate Starts for Marteena_42:
(Start: 8 @34832 has 6 MA's), (9, 34799), (10, 34778), (11, 34760), (17, 34601), (23, 34535), (27, 34490), (35, 34391),

Gene: Morkie_36 Start: 28594, Stop: 27941, Start Num: 1
Candidate Starts for Morkie_36:
(Start: 1 @28594 has 2 MA's), (2, 28585), (5, 28549), (6, 28540), (12, 28426), (13, 28384), (15, 28351), (19, 28249), (21, 28231), (29, 28093), (34, 28054),

Gene: RavenCo17_43 Start: 35137, Stop: 34553, Start Num: 8
Candidate Starts for RavenCo17_43:
(Start: 8 @35137 has 6 MA's), (9, 35104), (10, 35083), (11, 35065), (17, 34906), (23, 34840), (27, 34795), (35, 34696), (39, 34576),

Gene: ThetaBob_48 Start: 35032, Stop: 34523, Start Num: 7
Candidate Starts for ThetaBob_48:
(3, 35080), (Start: 7 @35032 has 1 MA's), (Start: 8 @35017 has 6 MA's), (11, 34942), (17, 34786), (30, 34621), (31, 34615),