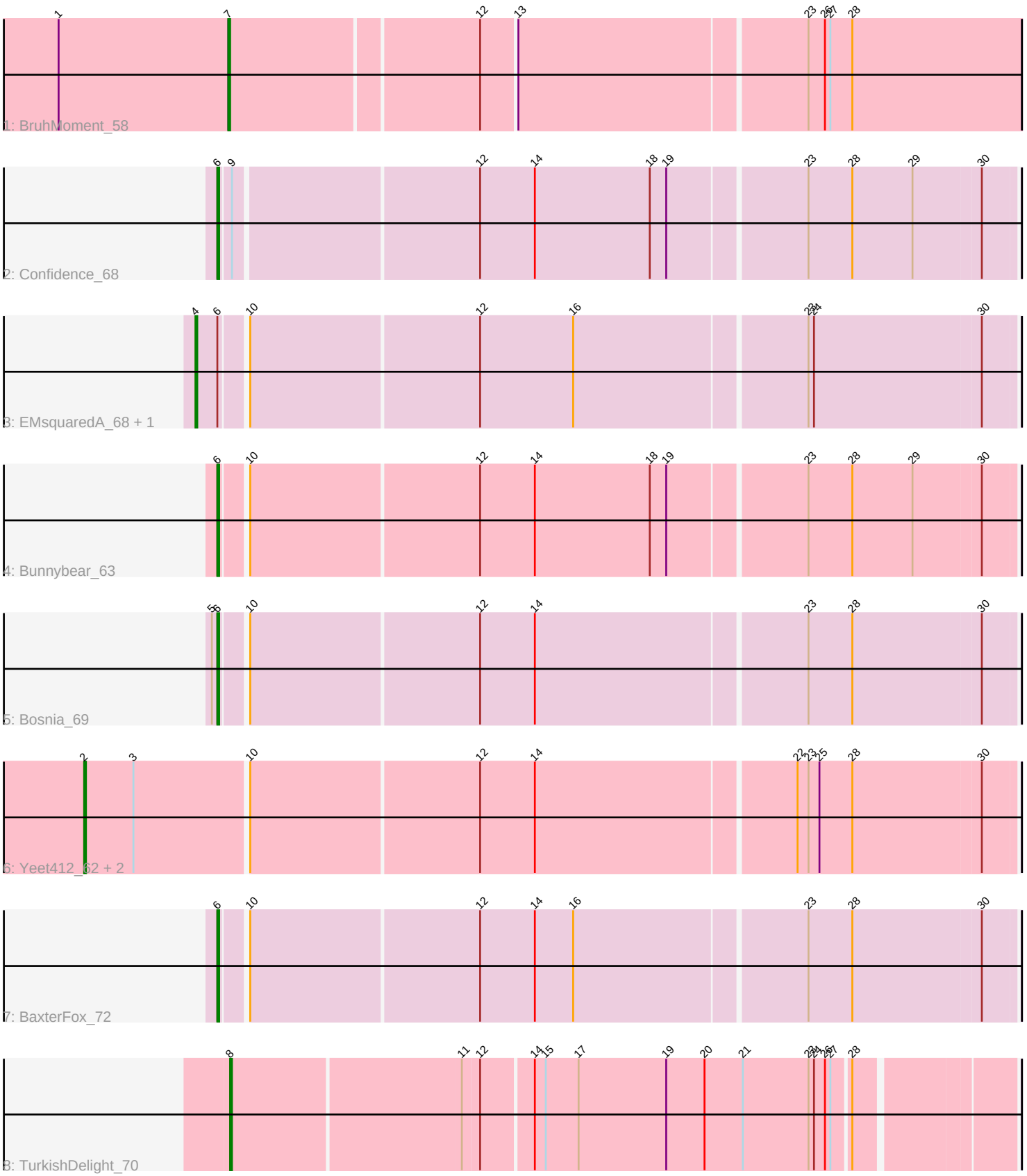
Pham 87343


1
7
12
13
23
26
27
28
1: BruhMoment_58
6
9
12
14
18
19
23
28
29
30
2: Confidence_68
4
6
10
12
16
23
24
30
3: EMsquaredA_68 + 1
6
10
12
14
18
19
23
28
29
30
4: Bunnybear_63
5
6
10
12
14
23
28
30
5: Bosnia_69
2
3
10
12
14
22
23
25
28
30
6: Yeet412_62 + 2
6
10
12
14
16
23
28
30
7: BaxterFox_72
8
11
12
14
15
17
19
20
21
23
24
26
27
28
8: TurkishDelight_70

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 87343 Report

This analysis was run 04/28/24 on database version 559.

Pham number 87343 has 11 members, 1 are drafts.

Phages represented in each track:
• Track 1 : BruhMoment_58
• Track 2 : Confidence_68
• Track 3 : EMsquaredA_68, Marteena_67
• Track 4 : Bunnybear_63
• Track 5 : Bosnia_69
• Track 6 : Yeet412_62, Pickett_61, EdnaMode_62
• Track 7 : BaxterFox_72
• Track 8 : TurkishDelight_70

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

The start number called the most often in the published annotations is 6, it was called in 4 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BaxterFox_72, Bosnia_69, Bunnybear_63, Confidence_68,

Genes that have the "Most Annotated" start but do not call it:
• EMsquaredA_68, Marteena_67,

Genes that do not have the "Most Annotated" start:
• BruhMoment_58, EdnaMode_62, Pickett_61, TurkishDelight_70, Yeet412_62,

Summary by start number:

Start 2:
• Found in 3 of 11 (27.3%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: EdnaMode_62 (CZ2), Pickett_61 (CZ2), Yeet412_62 (CZ2),

Start 4:
• Found in 2 of 11 (18.2%) of genes in pham

• Manual Annotations of this start: 2 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: EMsquaredA_68 (CY1), Marteena_67 (CY1),

Start 6:
• Found in 6 of 11 (54.5%) of genes in pham
• Manual Annotations of this start: 4 of 10
• Called 66.7% of time when present
• Phage (with cluster) where this start called: BaxterFox_72 (CZ3), Bosnia_69 (CZ1), Bunnybear_63 (CZ), Confidence_68 (CY1),

Start 7:
• Found in 1 of 11 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BruhMoment_58 (AP3),

Start 8:
• Found in 1 of 11 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: TurkishDelight_70 (singleton),

Summary by clusters:

There are 7 clusters represented in this pham: singleton, CZ2, CZ3, CZ1, CY1, CZ, AP3,

Info for manual annotations of cluster AP3:
•Start number 7 was manually annotated 1 time for cluster AP3.

Info for manual annotations of cluster CY1:
•Start number 4 was manually annotated 2 times for cluster CY1.
•Start number 6 was manually annotated 1 time for cluster CY1.

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

Info for manual annotations of cluster CZ1:
•Start number 6 was manually annotated 1 time for cluster CZ1.

Info for manual annotations of cluster CZ2:
•Start number 2 was manually annotated 2 times for cluster CZ2.

Info for manual annotations of cluster CZ3:
•Start number 6 was manually annotated 1 time for cluster CZ3.

Gene Information:

Gene: BaxterFox_72 Start: 47683, Stop: 48102, Start Num: 6

Candidate Starts for BaxterFox_72:
(Start: 6 @47683 has 4 MA's), (10, 47695), (12, 47818), (14, 47848), (16, 47869), (23, 47992), (28, 48016), (30, 48085),

Gene: Bosnia_69 Start: 48464, Stop: 48883, Start Num: 6
Candidate Starts for Bosnia_69:
(5, 48461), (Start: 6 @48464 has 4 MA's), (10, 48476), (12, 48599), (14, 48629), (23, 48773), (28, 48797), (30, 48866),

Gene: BruhMoment_58 Start: 42356, Stop: 41937, Start Num: 7
Candidate Starts for BruhMoment_58:
(1, 42449), (Start: 7 @42356 has 1 MA's), (12, 42224), (13, 42206), (23, 42053), (26, 42044), (27, 42041), (28, 42029),

Gene: Bunnybear_63 Start: 45503, Stop: 45922, Start Num: 6
Candidate Starts for Bunnybear_63:
(Start: 6 @45503 has 4 MA's), (10, 45515), (12, 45638), (14, 45668), (18, 45731), (19, 45740), (23, 45812), (28, 45836), (29, 45869), (30, 45905),

Gene: Confidence_68 Start: 44604, Stop: 45023, Start Num: 6
Candidate Starts for Confidence_68:
(Start: 6 @44604 has 4 MA's), (9, 44610), (12, 44739), (14, 44769), (18, 44832), (19, 44841), (23, 44913), (28, 44937), (29, 44970), (30, 45006),

Gene: EMsquaredA_68 Start: 45637, Stop: 46068, Start Num: 4
Candidate Starts for EMsquaredA_68:
(Start: 4 @45637 has 2 MA's), (Start: 6 @45649 has 4 MA's), (10, 45661), (12, 45784), (16, 45835), (23, 45958), (24, 45961), (30, 46051),

Gene: EdnaMode_62 Start: 40691, Stop: 41185, Start Num: 2
Candidate Starts for EdnaMode_62:
(Start: 2 @40691 has 2 MA's), (3, 40718), (10, 40778), (12, 40901), (14, 40931), (22, 41069), (23, 41075), (25, 41081), (28, 41099), (30, 41168),

Gene: Marteena_67 Start: 45637, Stop: 46068, Start Num: 4
Candidate Starts for Marteena_67:
(Start: 4 @45637 has 2 MA's), (Start: 6 @45649 has 4 MA's), (10, 45661), (12, 45784), (16, 45835), (23, 45958), (24, 45961), (30, 46051),

Gene: Pickett_61 Start: 39296, Stop: 39790, Start Num: 2
Candidate Starts for Pickett_61:
(Start: 2 @39296 has 2 MA's), (3, 39323), (10, 39383), (12, 39506), (14, 39536), (22, 39674), (23, 39680), (25, 39686), (28, 39704), (30, 39773),

Gene: TurkishDelight_70 Start: 55847, Stop: 56257, Start Num: 8
Candidate Starts for TurkishDelight_70:
(Start: 8 @55847 has 1 MA's), (11, 55970), (12, 55979), (14, 56006), (15, 56012), (17, 56030), (19, 56078), (20, 56099), (21, 56120), (23, 56156), (24, 56159), (26, 56165), (27, 56168), (28, 56177),

Gene: Yeet412_62 Start: 41582, Stop: 42076, Start Num: 2
Candidate Starts for Yeet412_62:
(Start: 2 @41582 has 2 MA's), (3, 41609), (10, 41669), (12, 41792), (14, 41822), (22, 41960), (23, 41966), (25, 41972), (28, 41990), (30, 42059),