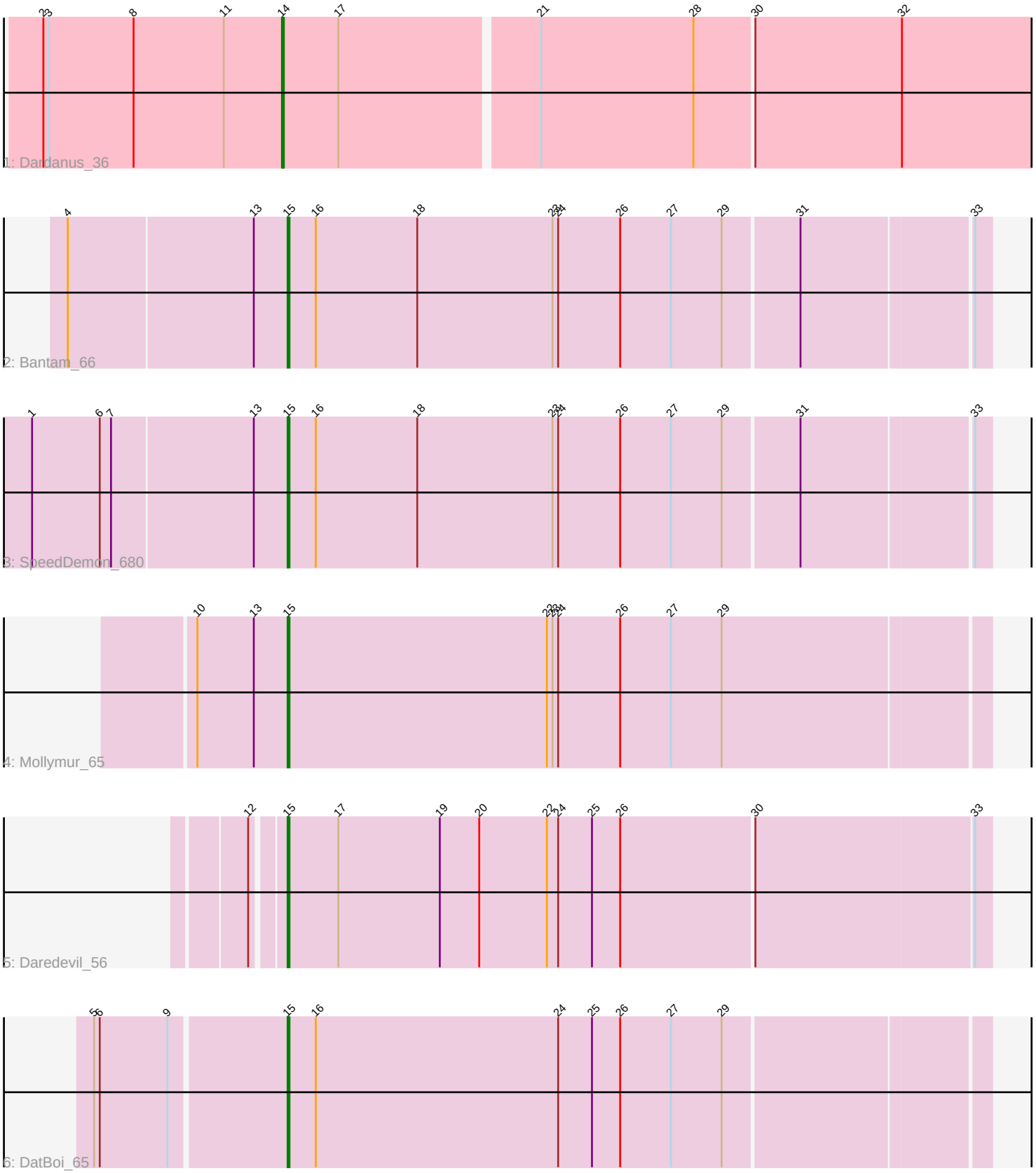
Pham 172091


3
8
11
14
17
21
28
30
32
1: Dardanus_36
4
13
15
16
18
22
23
24
26
27
29
31
33
2: Bantam_66
1
6
7
13
15
16
18
22
23
24
26
27
29
31
33
3: SpeedDemon_680
10
13
15
22
23
24
26
27
29
4: Mollymur_65
12
15
17
19
20
22
24
25
26
30
33
5: Daredevil_56
5
6
9
15
16
24
25
26
27
29
6: DatBoi_65

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 172091 Report

This analysis was run 07/10/24 on database version 566.

Pham number 172091 has 6 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Dardanus_36
• Track 2 : Bantam_66
• Track 3 : SpeedDemon_680
• Track 4 : Mollymur_65
• Track 5 : Daredevil_56
• Track 6 : DatBoi_65

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 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bantam_66, Daredevil_56, DatBoi_65, Mollymur_65, SpeedDemon_680,

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

Genes that do not have the "Most Annotated" start:
• Dardanus_36,

Summary by start number:

Start 14:
• Found in 1 of 6 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dardanus_36 (CU3),

Start 15:
• Found in 5 of 6 (83.3%) of genes in pham
• Manual Annotations of this start: 5 of 6
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Bantam_66 (DL), Daredevil_56 (DL), DatBoi_65 (DL), Mollymur_65 (DL), SpeedDemon_680 (DL),

Summary by clusters:

There are 2 clusters represented in this pham: DL, CU3,

Info for manual annotations of cluster CU3:
•Start number 14 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster DL:
•Start number 15 was manually annotated 5 times for cluster DL.

Gene Information:

Gene: Bantam_66 Start: 49725, Stop: 49360, Start Num: 15
Candidate Starts for Bantam_66:
(4, 49839), (13, 49743), (Start: 15 @49725 has 5 MA's), (16, 49710), (18, 49656), (23, 49584), (24, 49581), (26, 49548), (27, 49521), (29, 49494), (31, 49455), (33, 49368),

Gene: Dardanus_36 Start: 26552, Stop: 26139, Start Num: 14
Candidate Starts for Dardanus_36:
(2, 26678), (3, 26675), (8, 26630), (11, 26582), (Start: 14 @26552 has 1 MA's), (17, 26522), (21, 26420), (28, 26339), (30, 26309), (32, 26231),

Gene: Daredevil_56 Start: 45221, Stop: 44853, Start Num: 15
Candidate Starts for Daredevil_56:
(12, 45236), (Start: 15 @45221 has 5 MA's), (17, 45194), (19, 45140), (20, 45119), (22, 45083), (24, 45077), (25, 45059), (26, 45044), (30, 44975), (33, 44861),

Gene: DatBoi_65 Start: 49746, Stop: 49381, Start Num: 15
Candidate Starts for DatBoi_65:
(5, 49845), (6, 49842), (9, 49806), (Start: 15 @49746 has 5 MA's), (16, 49731), (24, 49602), (25, 49584), (26, 49569), (27, 49542), (29, 49515),

Gene: Mollymur_65 Start: 50001, Stop: 49633, Start Num: 15
Candidate Starts for Mollymur_65:
(10, 50049), (13, 50019), (Start: 15 @50001 has 5 MA's), (22, 49863), (23, 49860), (24, 49857), (26, 49824), (27, 49797), (29, 49770),

Gene: SpeedDemon_680 Start: 51957, Stop: 51592, Start Num: 15
Candidate Starts for SpeedDemon_680:
(1, 52089), (6, 52053), (7, 52047), (13, 51975), (Start: 15 @51957 has 5 MA's), (16, 51942), (18, 51888), (23, 51816), (24, 51813), (26, 51780), (27, 51753), (29, 51726), (31, 51687), (33, 51600),