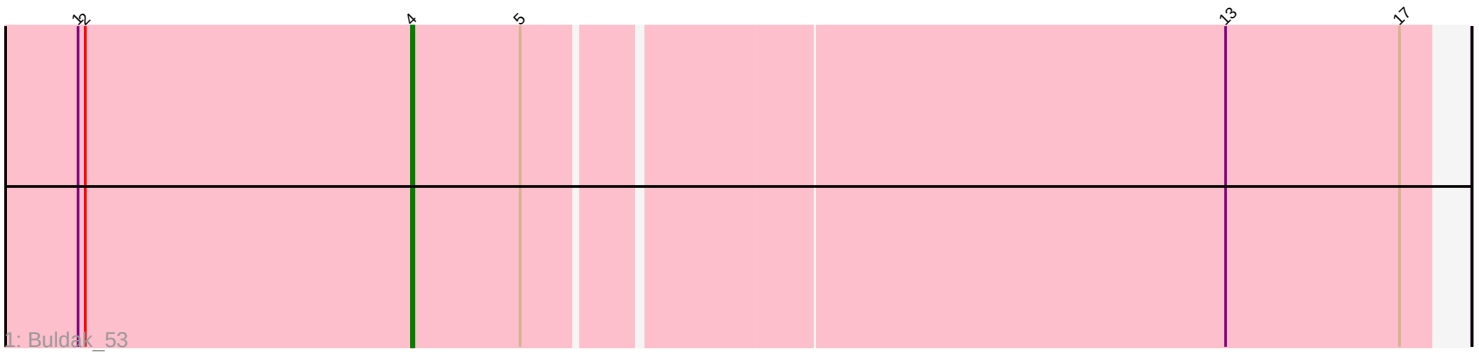
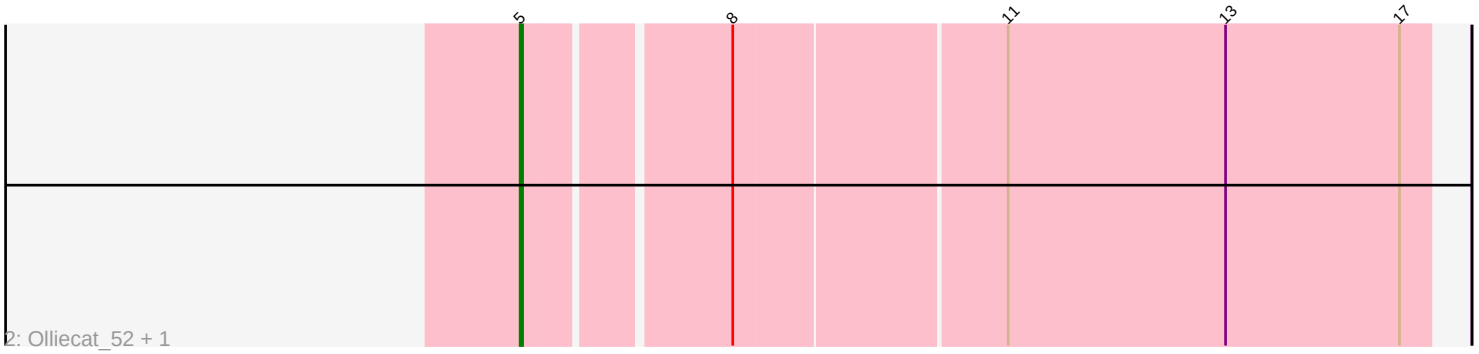
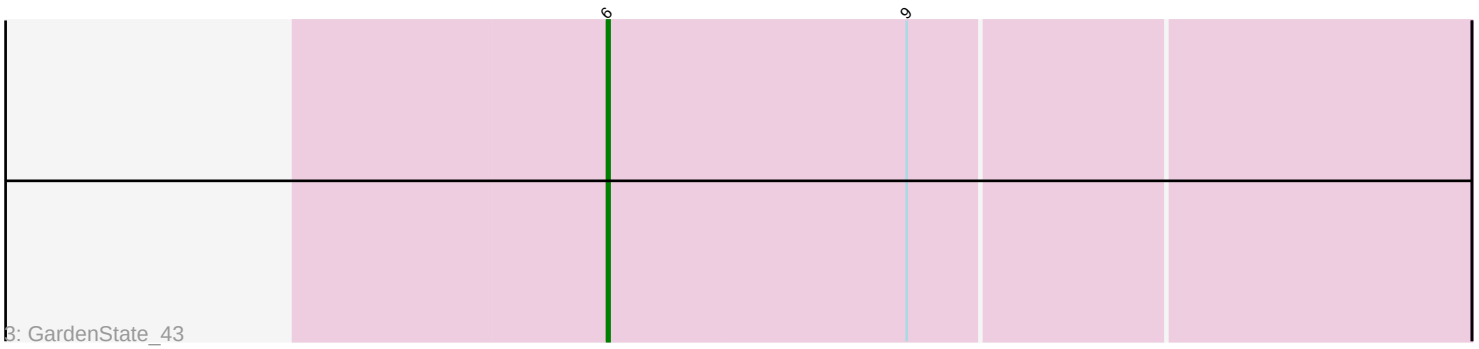
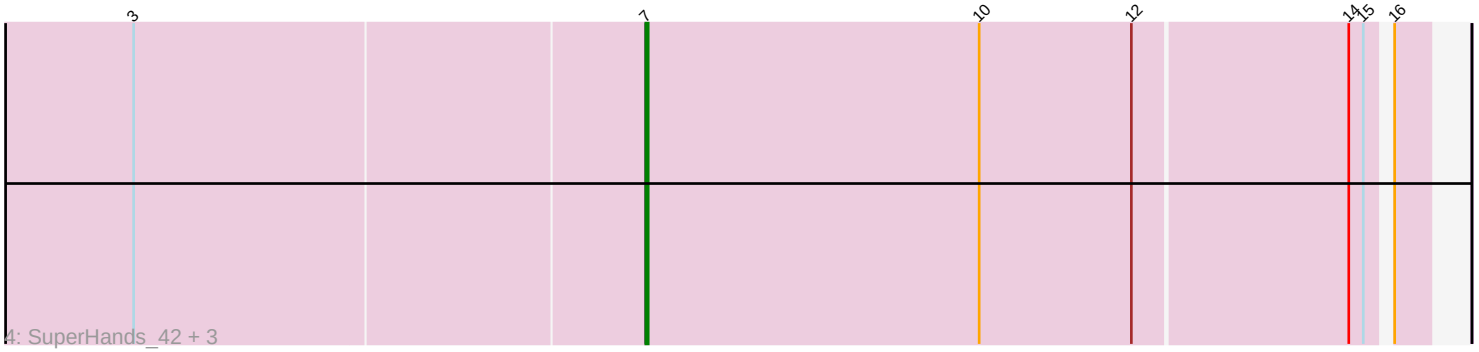
Pham 344707


1
2
4
5
13
17
1: Buldak_53


5
8
11
13
17
2: Olliecat_52 + 1


6
9
3: GardenState_43


3
7
10
12
14
15
16
4: SuperHands_42 + 3

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 344707 Report

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

Pham number 344707 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Buldak_53
• Track 2 : Olliecat_52, Squircle_52
• Track 3 : GardenState_43
• Track 4 : SuperHands_42, Percival_44, Forester_42, Gretchen_43

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

The start number called the most often in the published annotations is 7, it was called in 4 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Forester_42, Gretchen_43, Percival_44, SuperHands_42,

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

Genes that do not have the "Most Annotated" start:
• Buldak_53, GardenState_43, Olliecat_52, Squircle_52,

Summary by start number:

Start 4:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Buldak_53 (EB),

Start 5:
• Found in 3 of 8 (37.5%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Olliecat_52 (EB), Squircle_52 (EB),

Start 6:

• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GardenState_43 (EH),

Start 7:
• Found in 4 of 8 (50.0%) of genes in pham
• Manual Annotations of this start: 4 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Forester_42 (EH), Gretchen_43 (EH), Percival_44 (EH), SuperHands_42 (EH),

Summary by clusters:

There are 2 clusters represented in this pham: EH, EB,

Info for manual annotations of cluster EB:
•Start number 4 was manually annotated 1 time for cluster EB.
•Start number 5 was manually annotated 2 times for cluster EB.

Info for manual annotations of cluster EH:
•Start number 6 was manually annotated 1 time for cluster EH.
•Start number 7 was manually annotated 4 times for cluster EH.

Gene Information:

Gene: Buldak_53 Start: 35379, Stop: 35786, Start Num: 4
Candidate Starts for Buldak_53:
(1, 35241), (2, 35244), (Start: 4 @35379 has 1 MA's), (Start: 5 @35424 has 2 MA's), (13, 35703), (17, 35775),

Gene: Forester_42 Start: 29001, Stop: 29315, Start Num: 7
Candidate Starts for Forester_42:
(3, 28794), (Start: 7 @29001 has 4 MA's), (10, 29139), (12, 29202), (14, 29289), (15, 29295), (16, 29301),

Gene: GardenState_43 Start: 27338, Stop: 27688, Start Num: 6
Candidate Starts for GardenState_43:
(Start: 6 @27338 has 1 MA's), (9, 27461),

Gene: Gretchen_43 Start: 28685, Stop: 28999, Start Num: 7
Candidate Starts for Gretchen_43:
(3, 28478), (Start: 7 @28685 has 4 MA's), (10, 28823), (12, 28886), (14, 28973), (15, 28979), (16, 28985),

Gene: Olliecat_52 Start: 35375, Stop: 35734, Start Num: 5
Candidate Starts for Olliecat_52:
(Start: 5 @35375 has 2 MA's), (8, 35453), (11, 35561), (13, 35651), (17, 35723),

Gene: Percival_44 Start: 28520, Stop: 28834, Start Num: 7
Candidate Starts for Percival_44:

(3, 28313), (Start: 7 @28520 has 4 MA's), (10, 28658), (12, 28721), (14, 28808), (15, 28814), (16, 28820),

Gene: Squircle_52 Start: 35374, Stop: 35733, Start Num: 5
Candidate Starts for Squircle_52:
(Start: 5 @35374 has 2 MA's), (8, 35452), (11, 35560), (13, 35650), (17, 35722),

Gene: SuperHands_42 Start: 29020, Stop: 29334, Start Num: 7
Candidate Starts for SuperHands_42:
(3, 28813), (Start: 7 @29020 has 4 MA's), (10, 29158), (12, 29221), (14, 29308), (15, 29314), (16, 29320),