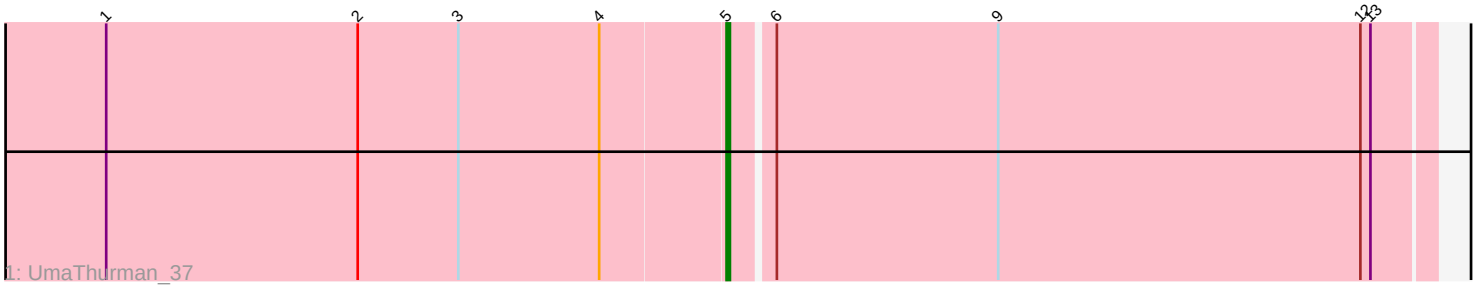
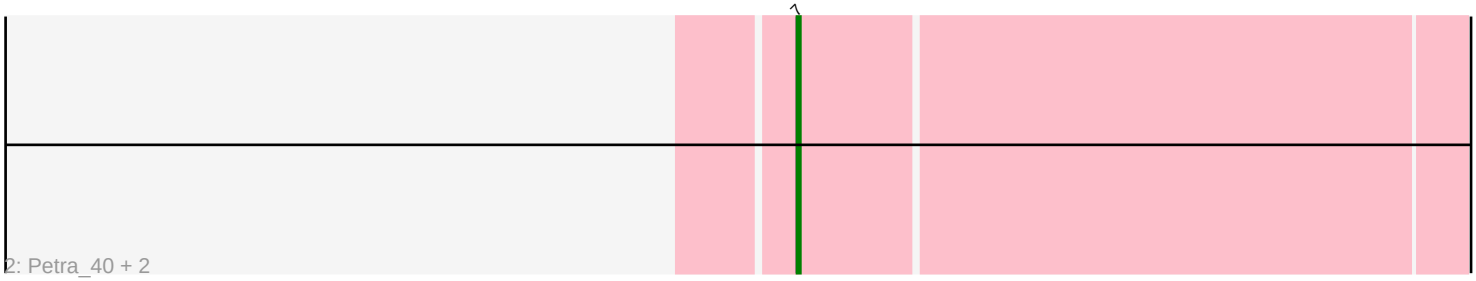
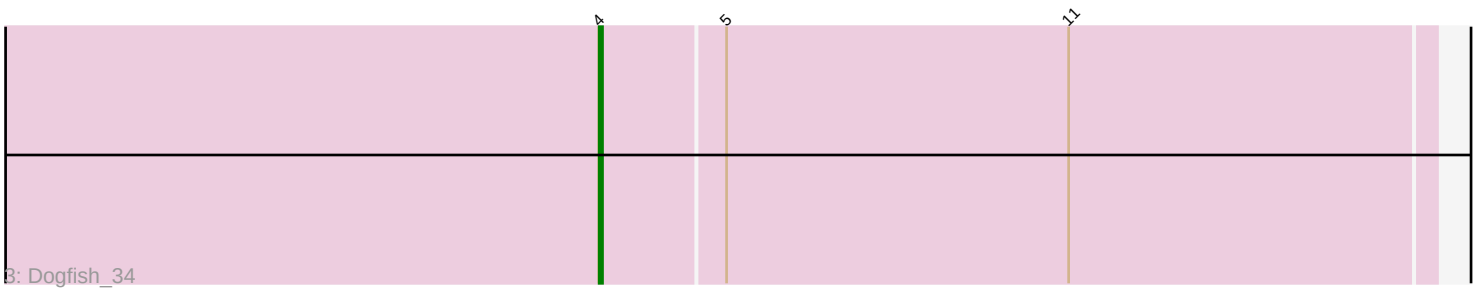
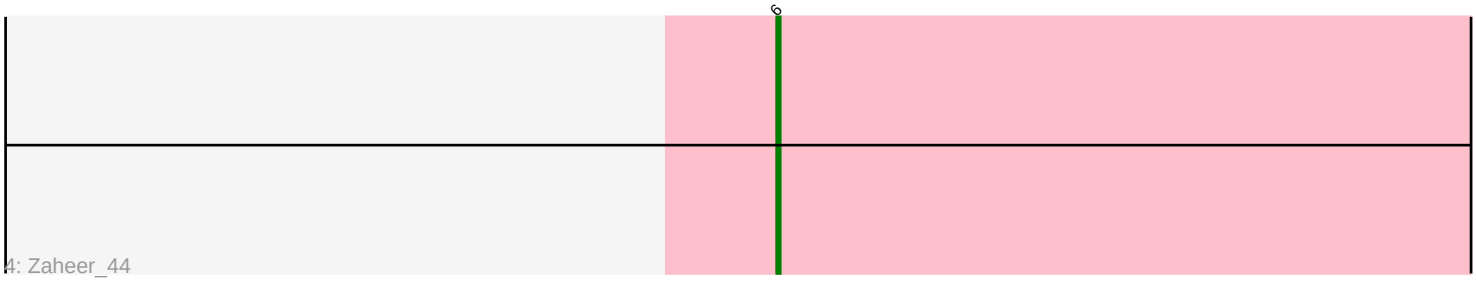
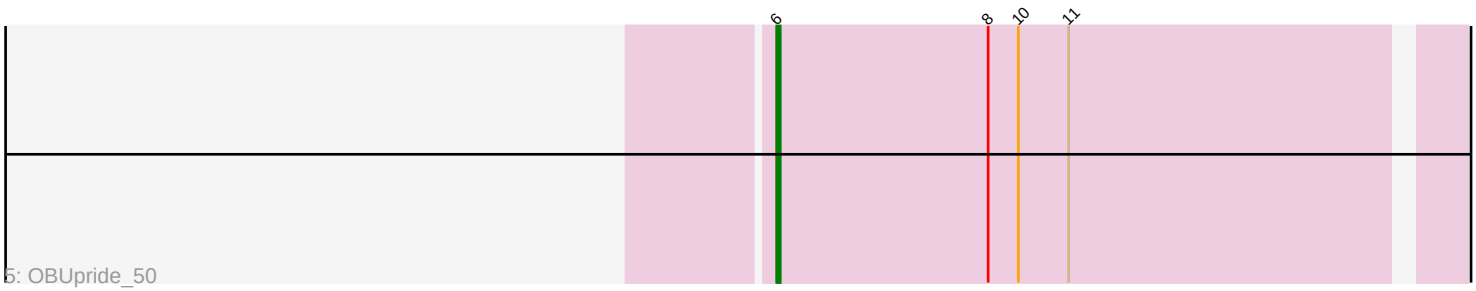
Pham 172030


1
2
3
4
5
6
9
12
13
1: UmaThurman_37


7
2: Petra_40 + 2


4
5
11
3: Dogfish_34


6
4: Zaheer_44


6
8
10
11
5: OBUpride_50

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 172030 Report

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

Pham number 172030 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : UmaThurman_37
• Track 2 : Petra_40, Obliviate_39, Zarbodnamra_42
• Track 3 : Dogfish_34
• Track 4 : Zaheer_44
• Track 5 : OBUpride_50

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 3 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Obliviate_39, Petra_40, Zarbodnamra_42,

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

Genes that do not have the "Most Annotated" start:
• Dogfish_34, OBUpride_50, UmaThurman_37, Zaheer_44,

Summary by start number:

Start 4:
• Found in 2 of 7 (28.6%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Dogfish_34 (DT),

Start 5:
• Found in 2 of 7 (28.6%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 50.0% of time when present
• Phage (with cluster) where this start called: UmaThurman_37 (CV),

Start 6:
• Found in 3 of 7 (42.9%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 66.7% of time when present
• Phage (with cluster) where this start called: OBUpride_50 (Q), Zaheer_44 (FF),

Start 7:
• Found in 3 of 7 (42.9%) of genes in pham
• Manual Annotations of this start: 3 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Obliviate_39 (CV), Petra_40 (CV), Zarbodnamra_42 (CV),

Summary by clusters:

There are 4 clusters represented in this pham: Q, DT, CV, FF,

Info for manual annotations of cluster CV:
•Start number 5 was manually annotated 1 time for cluster CV.
•Start number 7 was manually annotated 3 times for cluster CV.

Info for manual annotations of cluster DT:
•Start number 4 was manually annotated 1 time for cluster DT.

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

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

Gene Information:

Gene: Dogfish_34 Start: 29638, Stop: 29883, Start Num: 4
Candidate Starts for Dogfish_34:
(Start: 4 @29638 has 1 MA's), (Start: 5 @29674 has 1 MA's), (11, 29776),

Gene: OBUpride_50 Start: 36945, Stop: 37142, Start Num: 6
Candidate Starts for OBUpride_50:
(Start: 6 @36945 has 2 MA's), (8, 37008), (10, 37017), (11, 37032),

Gene: Obliviate_39 Start: 31330, Stop: 31524, Start Num: 7
Candidate Starts for Obliviate_39:
(Start: 7 @31330 has 3 MA's),

Gene: Petra_40 Start: 31689, Stop: 31883, Start Num: 7
Candidate Starts for Petra_40:
(Start: 7 @31689 has 3 MA's),

Gene: UmaThurman_37 Start: 31748, Stop: 31954, Start Num: 5
Candidate Starts for UmaThurman_37:

(1, 31565), (2, 31640), (3, 31670), (Start: 4 @31712 has 1 MA's), (Start: 5 @31748 has 1 MA's), (Start: 6 @31760 has 2 MA's), (9, 31826), (12, 31934), (13, 31937),

Gene: Zaheer_44 Start: 31390, Stop: 31605, Start Num: 6
Candidate Starts for Zaheer_44:
(Start: 6 @31390 has 2 MA's),

Gene: Zarbodnamra_42 Start: 32451, Stop: 32645, Start Num: 7
Candidate Starts for Zarbodnamra_42:
(Start: 7 @32451 has 3 MA's),