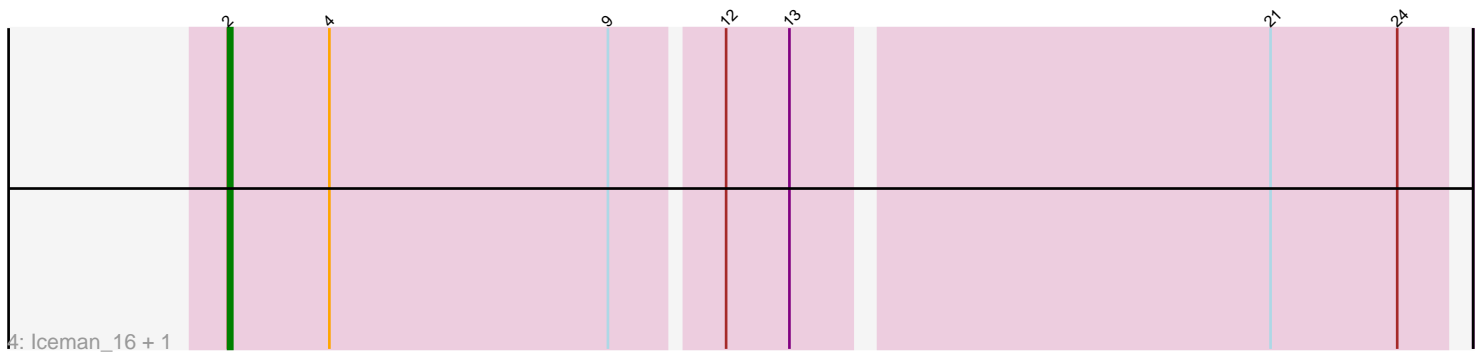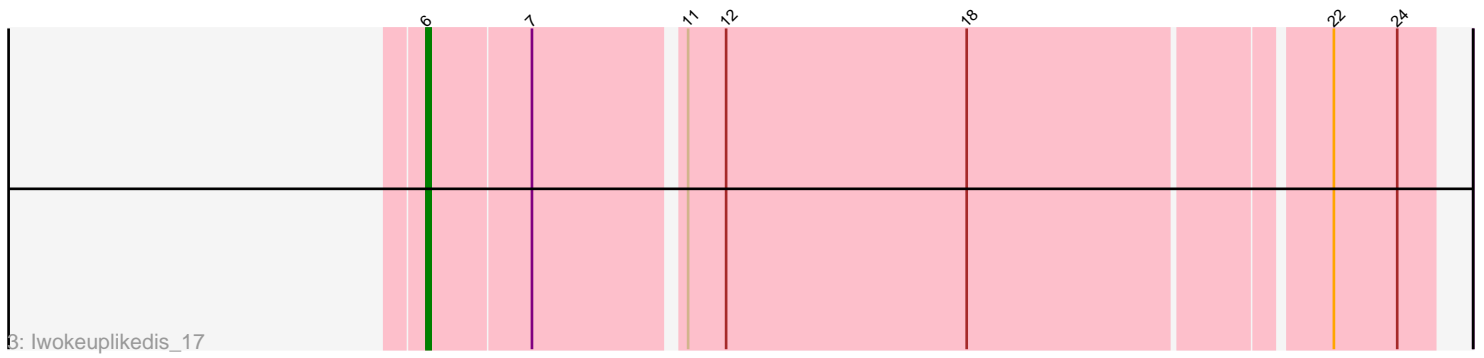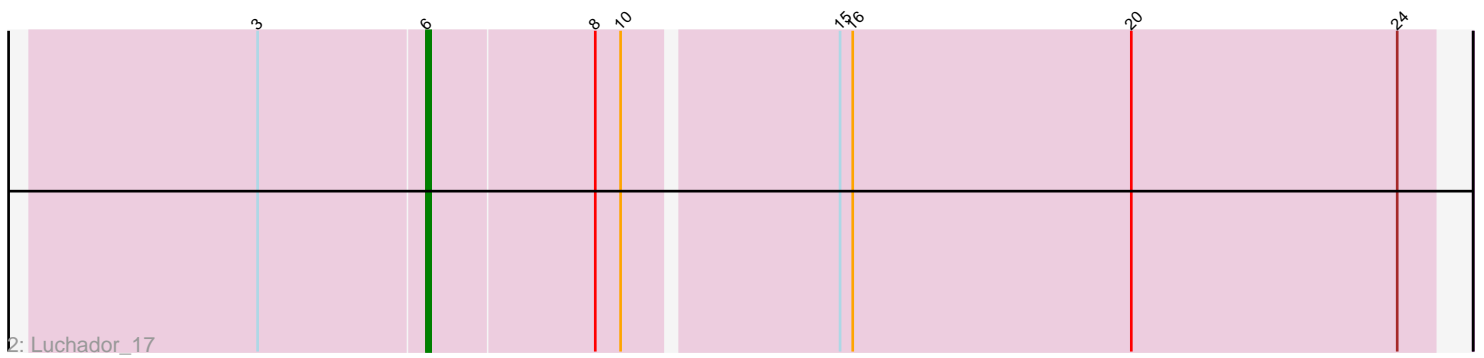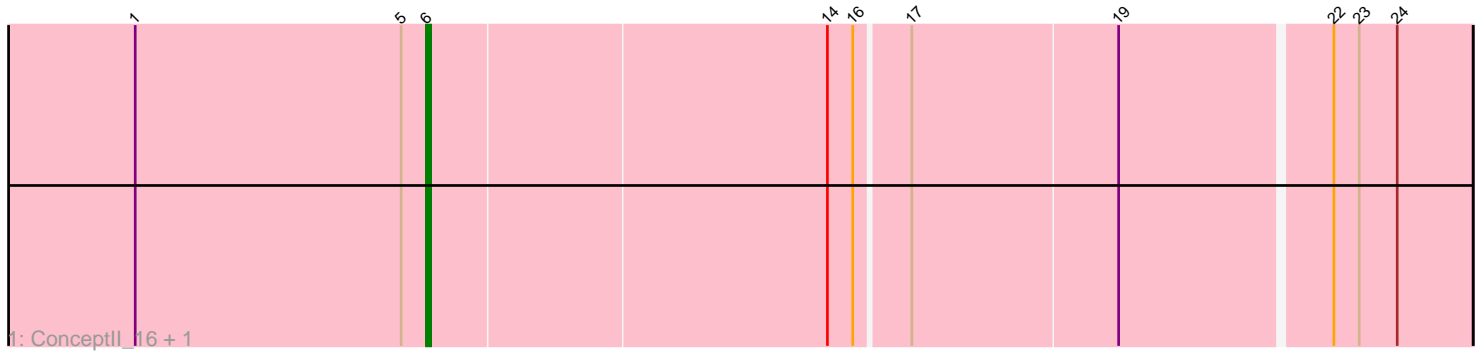# Pham 107176

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 107176 Report

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

Pham number 107176 has 6 members, 0 are drafts.

Phages represented in each track:
• Track 1 : ConceptII_16, Altman_17
• Track 2 : Luchador_17
• Track 3 : Iwokeuplikedis_17
• Track 4 : Iceman_16, OKaNui_16

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 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Altman_17, ConceptII_16, Iwokeuplikedis_17, Luchador_17,

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

Genes that do not have the "Most Annotated" start:
• Iceman_16, OKaNui_16,

Summary by start number:

Start 2:
• Found in 2 of 6 (33.3%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Iceman_16 (A4), OKaNui_16 (A4),

Start 6:
• Found in 4 of 6 (66.7%) of genes in pham
• Manual Annotations of this start: 4 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Altman_17 (A1), ConceptII_16 (A1), Iwokeuplikedis_17 (A2), Luchador_17 (A14),

Summary by clusters:

There are 4 clusters represented in this pham: A1, A14, A2, A4,

Info for manual annotations of cluster A1:
•Start number 6 was manually annotated 2 times for cluster A1.

Info for manual annotations of cluster A14:
•Start number 6 was manually annotated 1 time for cluster A14.

Info for manual annotations of cluster A2:
•Start number 6 was manually annotated 1 time for cluster A2.

Info for manual annotations of cluster A4:
•Start number 2 was manually annotated 2 times for cluster A4.

Gene Information:

Gene: Altman_17 Start: 13272, Stop: 13511, Start Num: 6
Candidate Starts for Altman_17:
(1, 13203), (5, 13266), (Start: 6 @13272 has 4 MA's), (14, 13365), (16, 13371), (17, 13383), (19, 13431), (22, 13479), (23, 13485), (24, 13494),

Gene: ConceptII_16 Start: 12908, Stop: 13147, Start Num: 6
Candidate Starts for ConceptII_16:
(1, 12839), (5, 12902), (Start: 6 @12908 has 4 MA's), (14, 13001), (16, 13007), (17, 13019), (19, 13067), (22, 13115), (23, 13121), (24, 13130),

Gene: Iceman_16 Start: 12488, Stop: 12766, Start Num: 2
Candidate Starts for Iceman_16:
(Start: 2 @12488 has 2 MA's), (4, 12512), (9, 12578), (12, 12602), (13, 12617), (21, 12725), (24, 12755),

Gene: Iwokeuplikedis_17 Start: 12948, Stop: 13175, Start Num: 6
Candidate Starts for Iwokeuplikedis_17:
(Start: 6 @12948 has 4 MA's), (7, 12972), (11, 13005), (12, 13014), (18, 13071), (22, 13152), (24, 13167),

Gene: Luchador_17 Start: 13267, Stop: 13500, Start Num: 6
Candidate Starts for Luchador_17:
(3, 13228), (Start: 6 @13267 has 4 MA's), (8, 13306), (10, 13312), (15, 13360), (16, 13363), (20, 13429), (24, 13492),

Gene: OKaNui_16 Start: 12252, Stop: 12530, Start Num: 2
Candidate Starts for OKaNui_16:
(Start: 2 @12252 has 2 MA's), (4, 12276), (9, 12342), (12, 12366), (13, 12381), (21, 12489), (24, 12519),