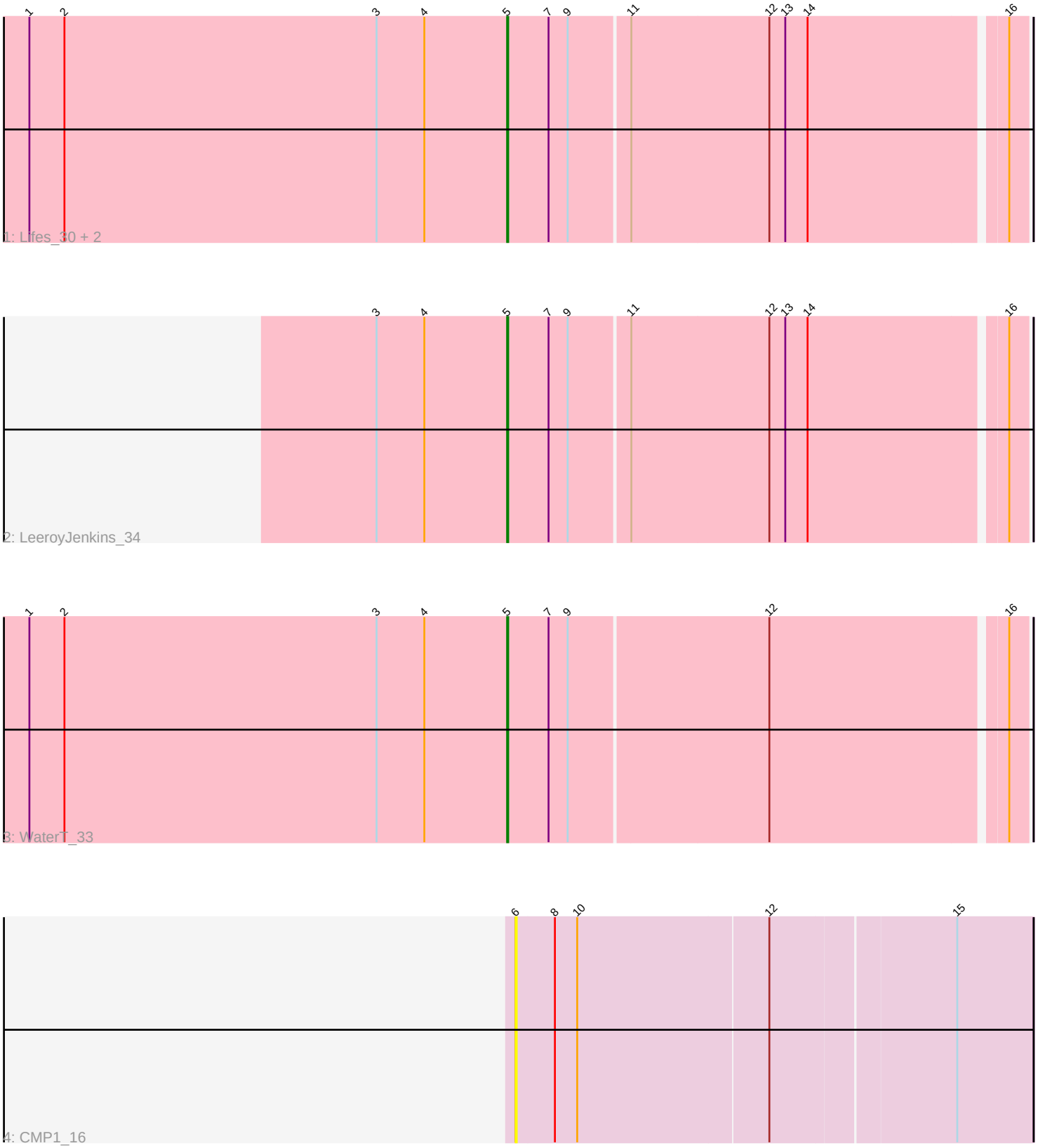
Pham 297388


1 2 3 4 5 7 9 11 12 13 14 16
1: Lifes_30 + 2
3 4 5 7 9 11 12 13 14 16
2: LeeroyJenkins_34
1 2 3 4 5 7 9 12 16
3: WaterT_33
6 8 10 12 15
4: CMP1_16

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 297388 Report

This analysis was run 04/25/26 on database version 644.

Pham number 297388 has 6 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Lifes_30, Cassita_34, BarnCat_28
• Track 2 : LeeroyJenkins_34
• Track 3 : WaterT_33
• Track 4 : CMP1_16

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

The start number called the most often in the published annotations is 5, it was called in 5 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BarnCat_28, Cassita_34, LeeroyJenkins_34, Lifes_30, WaterT_33,

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

Genes that do not have the "Most Annotated" start:
• CMP1_16,

Summary by start number:

Start 5:
• Found in 5 of 6 (83.3%) of genes in pham
• Manual Annotations of this start: 5 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BarnCat_28 (GB), Cassita_34 (GB), LeeroyJenkins_34 (GB), Lifes_30 (GB), WaterT_33 (GB),

Start 6:
• Found in 1 of 6 (16.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CMP1_16 (singleton),

Summary by clusters:

There are 2 clusters represented in this pham: singleton, GB,

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

Gene Information:

Gene: BarnCat_28 Start: 15320, Stop: 15790, Start Num: 5
Candidate Starts for BarnCat_28:
(1, 14870), (2, 14903), (3, 15197), (4, 15242), (Start: 5 @15320 has 5 MA's), (7, 15359), (9, 15377), (11, 15431), (12, 15560), (13, 15575), (14, 15596), (16, 15773),

Gene: CMP1_16 Start: 13130, Stop: 13603, Start Num: 6
Candidate Starts for CMP1_16:
(6, 13130), (8, 13166), (10, 13187), (12, 13364), (15, 13532),

Gene: Cassita_34 Start: 17696, Stop: 18166, Start Num: 5
Candidate Starts for Cassita_34:
(1, 17246), (2, 17279), (3, 17573), (4, 17618), (Start: 5 @17696 has 5 MA's), (7, 17735), (9, 17753), (11, 17807), (12, 17936), (13, 17951), (14, 17972), (16, 18149),

Gene: LeeroyJenkins_34 Start: 17627, Stop: 18097, Start Num: 5
Candidate Starts for LeeroyJenkins_34:
(3, 17504), (4, 17549), (Start: 5 @17627 has 5 MA's), (7, 17666), (9, 17684), (11, 17738), (12, 17867), (13, 17882), (14, 17903), (16, 18080),

Gene: Lifes_30 Start: 15351, Stop: 15821, Start Num: 5
Candidate Starts for Lifes_30:
(1, 14901), (2, 14934), (3, 15228), (4, 15273), (Start: 5 @15351 has 5 MA's), (7, 15390), (9, 15408), (11, 15462), (12, 15591), (13, 15606), (14, 15627), (16, 15804),

Gene: WaterT_33 Start: 17440, Stop: 17910, Start Num: 5
Candidate Starts for WaterT_33:
(1, 16990), (2, 17023), (3, 17317), (4, 17362), (Start: 5 @17440 has 5 MA's), (7, 17479), (9, 17497), (12, 17680), (16, 17893),