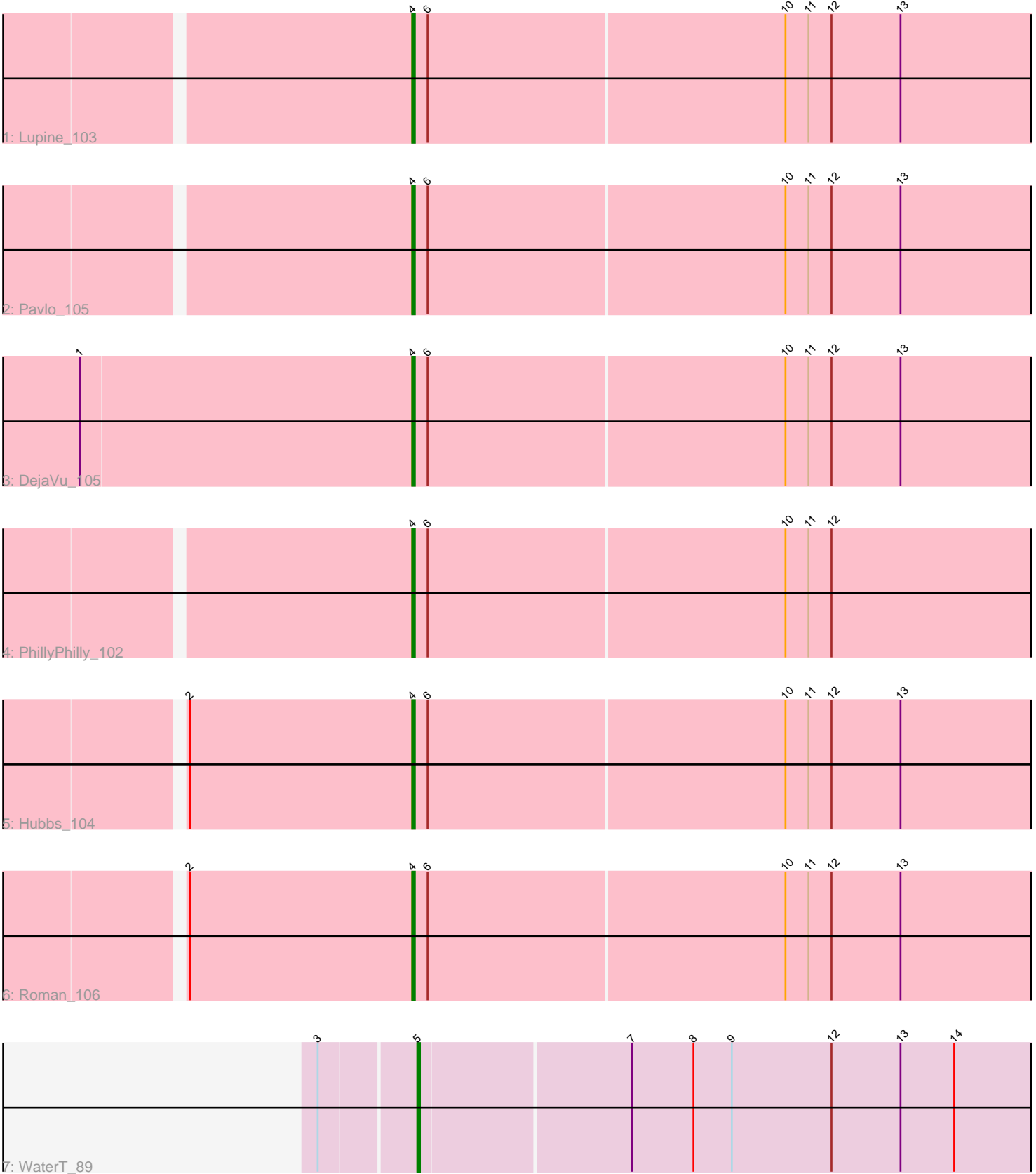# Pham 7601

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 7601 Report

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

Pham number 7601 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Lupine_103
• Track 2 : Pavlo_105
• Track 3 : DejaVu_105
• Track 4 : PhillyPhilly_102
• Track 5 : Hubbs_104
• Track 6 : Roman_106
• Track 7 : WaterT_89

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

The start number called the most often in the published annotations is 4, it was called in 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• DejaVu_105, Hubbs_104, Lupine_103, Pavlo_105, PhillyPhilly_102, Roman_106,

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

Genes that do not have the "Most Annotated" start:
• WaterT_89,

Summary by start number:

Start 4:
• Found in 6 of 7 (85.7%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DejaVu_105 (ED1), Hubbs_104 (ED1), Lupine_103 (ED1), Pavlo_105 (ED1), PhillyPhilly_102 (ED1), Roman_106 (ED1),

Start 5:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 7

• Called 100.0% of time when present
• Phage (with cluster) where this start called: WaterT_89 (GB),

Summary by clusters:

There are 2 clusters represented in this pham: ED1, GB,

Info for manual annotations of cluster ED1:
•Start number 4 was manually annotated 6 times for cluster ED1.

Info for manual annotations of cluster GB:
•Start number 5 was manually annotated 1 time for cluster GB.

Gene Information:
Gene: DejaVu_105 Start: 56238, Stop: 55975, Start Num: 4
Candidate Starts for DejaVu_105:
(1, 56367), (Start: 4 @56238 has 6 MA's), (6, 56232), (10, 56094), (11, 56085), (12, 56076), (13, 56049),

Gene: Hubbs_104 Start: 56508, Stop: 56245, Start Num: 4
Candidate Starts for Hubbs_104:
(2, 56595), (Start: 4 @56508 has 6 MA's), (6, 56502), (10, 56364), (11, 56355), (12, 56346), (13, 56319),

Gene: Lupine_103 Start: 56049, Stop: 55786, Start Num: 4
Candidate Starts for Lupine_103:
(Start: 4 @56049 has 6 MA's), (6, 56043), (10, 55905), (11, 55896), (12, 55887), (13, 55860),

Gene: Pavlo_105 Start: 56903, Stop: 56640, Start Num: 4
Candidate Starts for Pavlo_105:
(Start: 4 @56903 has 6 MA's), (6, 56897), (10, 56759), (11, 56750), (12, 56741), (13, 56714),

Gene: PhillyPhilly_102 Start: 55892, Stop: 55629, Start Num: 4
Candidate Starts for PhillyPhilly_102:
(Start: 4 @55892 has 6 MA's), (6, 55886), (10, 55748), (11, 55739), (12, 55730),

Gene: Roman_106 Start: 56952, Stop: 56689, Start Num: 4
Candidate Starts for Roman_106:
(2, 57039), (Start: 4 @56952 has 6 MA's), (6, 56946), (10, 56808), (11, 56799), (12, 56790), (13, 56763),

Gene: WaterT_89 Start: 48579, Stop: 48319, Start Num: 5
Candidate Starts for WaterT_89:
(3, 48615), (Start: 5 @48579 has 1 MA's), (7, 48498), (8, 48474), (9, 48459), (12, 48420), (13, 48393), (14, 48372),