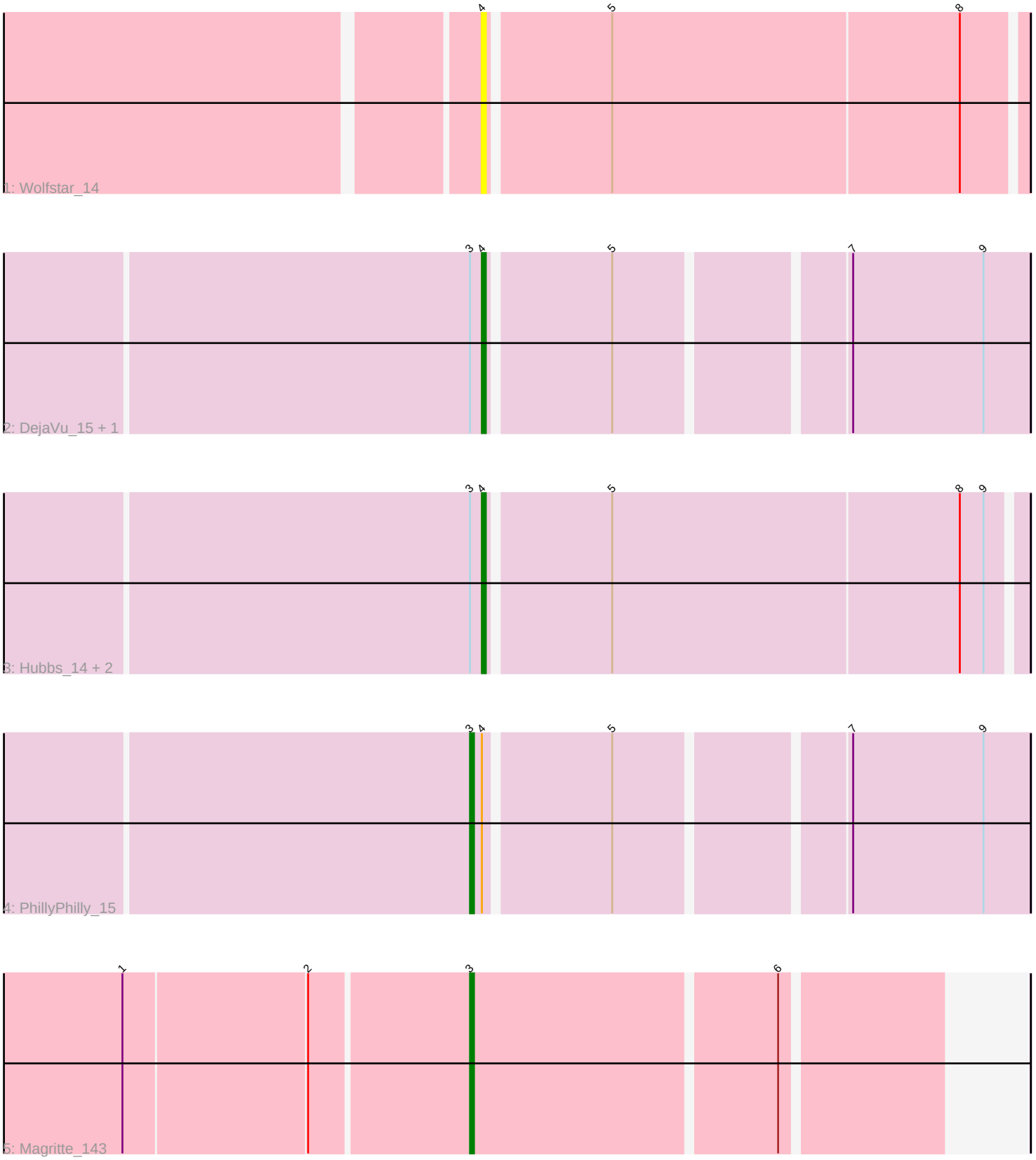
Pham 156858


4
5
8
1: Wolfstar_14
3
4
5
7
9
2: DejaVu_15 + 1
3
4
5
8
9
3: Hubbs_14 + 2
3
4
5
7
9
4: PhillyPhilly_15
1
2
3
6
5: Magritte_143

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 156858 Report

This analysis was run 04/12/24 on database version 558.

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 156858 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Wolfstar_14
• Track 2 : DejaVu_15, Pavlo_13
• Track 3 : Hubbs_14, Lupine_13, Roman_14
• Track 4 : PhillyPhilly_15
• Track 5 : Magritte_143

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

Genes that call this "Most Annotated" start:
• DejaVu_15, Hubbs_14, Lupine_13, Pavlo_13, Roman_14, Wolfstar_14,

Genes that have the "Most Annotated" start but do not call it:
• PhillyPhilly_15,

Genes that do not have the "Most Annotated" start:
• Magritte_143,

Summary by start number:

Start 3:
• Found in 7 of 8 (87.5%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 28.6% of time when present
• Phage (with cluster) where this start called: Magritte_143 (singleton), PhillyPhilly_15 (ED1),

Start 4:

• Found in 7 of 8 (87.5%) of genes in pham
• Manual Annotations of this start: 5 of 7
• Called 85.7% of time when present
• Phage (with cluster) where this start called: DejaVu_15 (ED1), Hubbs_14 (ED1), Lupine_13 (ED1), Pavlo_13 (ED1), Roman_14 (ED1), Wolfstar_14 (ED),

Summary by clusters:

There are 3 clusters represented in this pham: ED, singleton, ED1,

Info for manual annotations of cluster ED1:
•Start number 3 was manually annotated 1 time for cluster ED1.
•Start number 4 was manually annotated 5 times for cluster ED1.

Gene Information:

Gene: DejaVu_15 Start: 4738, Stop: 4866, Start Num: 4
Candidate Starts for DejaVu_15:
(Start: 3 @4735 has 2 MA's), (Start: 4 @4738 has 5 MA's), (5, 4768), (7, 4822), (9, 4855),

Gene: Hubbs_14 Start: 4922, Stop: 5053, Start Num: 4
Candidate Starts for Hubbs_14:
(Start: 3 @4919 has 2 MA's), (Start: 4 @4922 has 5 MA's), (5, 4952), (8, 5039), (9, 5045),

Gene: Lupine_13 Start: 4717, Stop: 4848, Start Num: 4
Candidate Starts for Lupine_13:
(Start: 3 @4714 has 2 MA's), (Start: 4 @4717 has 5 MA's), (5, 4747), (8, 4834), (9, 4840),

Gene: Magritte_143 Start: 88216, Stop: 88329, Start Num: 3
Candidate Starts for Magritte_143:
(1, 88132), (2, 88177), (Start: 3 @88216 has 2 MA's), (6, 88291),

Gene: Pavlo_13 Start: 4992, Stop: 5120, Start Num: 4
Candidate Starts for Pavlo_13:
(Start: 3 @4989 has 2 MA's), (Start: 4 @4992 has 5 MA's), (5, 5022), (7, 5076), (9, 5109),

Gene: PhillyPhilly_15 Start: 5100, Stop: 5231, Start Num: 3
Candidate Starts for PhillyPhilly_15:
(Start: 3 @5100 has 2 MA's), (Start: 4 @5103 has 5 MA's), (5, 5133), (7, 5187), (9, 5220),

Gene: Roman_14 Start: 4874, Stop: 5005, Start Num: 4
Candidate Starts for Roman_14:
(Start: 3 @4871 has 2 MA's), (Start: 4 @4874 has 5 MA's), (5, 4904), (8, 4991), (9, 4997),

Gene: Wolfstar_14 Start: 5290, Stop: 5421, Start Num: 4
Candidate Starts for Wolfstar_14:
(Start: 4 @5290 has 5 MA's), (5, 5320), (8, 5407),