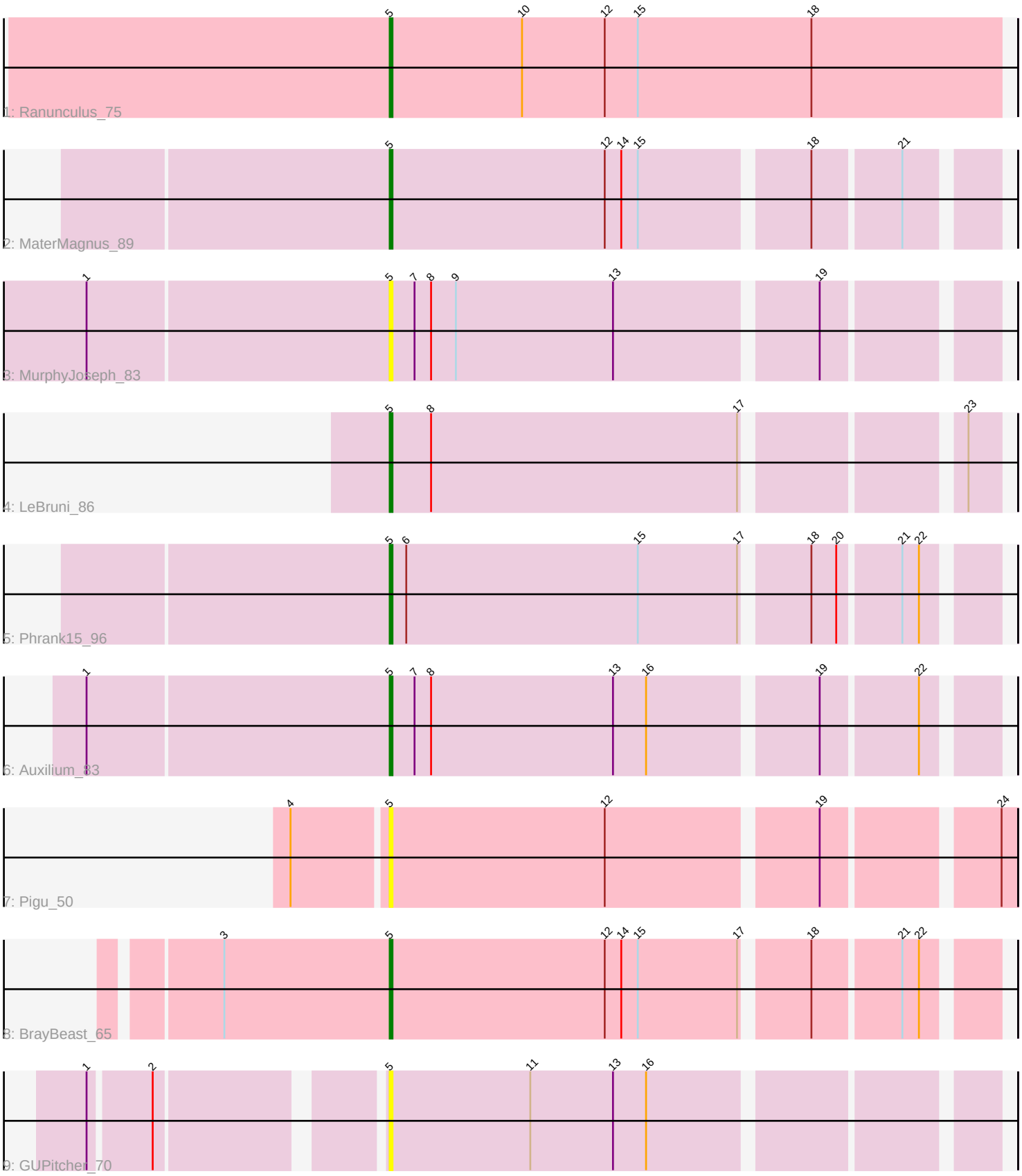
Pham 297242


1: Ranunculus_75
2: MaterMagnus_89
3: MurphyJoseph_83
4: LeBruni_86
5: Phrank15_96
6: Auxilium_83
7: Pigu_50
8: BrayBeast_65
9: GUPitcher_70

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 297242 Report

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

Pham number 297242 has 9 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Ranunculus_75
• Track 2 : MaterMagnus_89
• Track 3 : MurphyJoseph_83
• Track 4 : LeBruni_86
• Track 5 : Phrank15_96
• Track 6 : Auxilium_83
• Track 7 : Pigu_50
• Track 8 : BrayBeast_65
• Track 9 : GUPitcher_70

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 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Auxilium_83, BrayBeast_65, GUPitcher_70, LeBruni_86, MaterMagnus_89, MurphyJoseph_83, Phrank15_96, Pigu_50, Ranunculus_75,

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

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

Summary by start number:

Start 5:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Auxilium_83 (AY), BrayBeast_65 (FB), GUPitcher_70 (FJ), LeBruni_86 (AY), MaterMagnus_89 (AY), MurphyJoseph_83 (AY), Phrank15_96 (AY), Pigu_50 (FB), Ranunculus_75 (AP),

Summary by clusters:

There are 4 clusters represented in this pham: AY, AP, FJ, FB,

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

Info for manual annotations of cluster AY:
•Start number 5 was manually annotated 4 times for cluster AY.

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

Gene Information:

Gene: Auxilium_83 Start: 45836, Stop: 46042, Start Num: 5
Candidate Starts for Auxilium_83:
(1, 45728), (Start: 5 @45836 has 6 MA's), (7, 45845), (8, 45851), (13, 45917), (16, 45929), (19, 45986), (22, 46019),

Gene: BrayBeast_65 Start: 36282, Stop: 36488, Start Num: 5
Candidate Starts for BrayBeast_65:
(3, 36222), (Start: 5 @36282 has 6 MA's), (12, 36360), (14, 36366), (15, 36372), (17, 36408), (18, 36429), (21, 36459), (22, 36465),

Gene: GUPitcher_70 Start: 41633, Stop: 41839, Start Num: 5
Candidate Starts for GUPitcher_70:
(1, 41540), (2, 41561), (Start: 5 @41633 has 6 MA's), (11, 41684), (13, 41714), (16, 41726),

Gene: LeBruni_86 Start: 48139, Stop: 48345, Start Num: 5
Candidate Starts for LeBruni_86:
(Start: 5 @48139 has 6 MA's), (8, 48154), (17, 48265), (23, 48334),

Gene: MaterMagnus_89 Start: 50185, Stop: 50391, Start Num: 5
Candidate Starts for MaterMagnus_89:
(Start: 5 @50185 has 6 MA's), (12, 50263), (14, 50269), (15, 50275), (18, 50332), (21, 50362),

Gene: MurphyJoseph_83 Start: 46838, Stop: 47044, Start Num: 5
Candidate Starts for MurphyJoseph_83:
(1, 46730), (Start: 5 @46838 has 6 MA's), (7, 46847), (8, 46853), (9, 46862), (13, 46919), (19, 46988),

Gene: Phrank15_96 Start: 50571, Stop: 50777, Start Num: 5
Candidate Starts for Phrank15_96:
(Start: 5 @50571 has 6 MA's), (6, 50577), (15, 50661), (17, 50697), (18, 50718), (20, 50727), (21, 50748), (22, 50754),

Gene: Pigu_50 Start: 28389, Stop: 28601, Start Num: 5
Candidate Starts for Pigu_50:
(4, 28356), (Start: 5 @28389 has 6 MA's), (12, 28467), (19, 28539), (24, 28596),

Gene: Ranunculus_75 Start: 51633, Stop: 51412, Start Num: 5
Candidate Starts for Ranunculus_75:
(Start: 5 @51633 has 6 MA's), (10, 51585), (12, 51555), (15, 51543), (18, 51480),