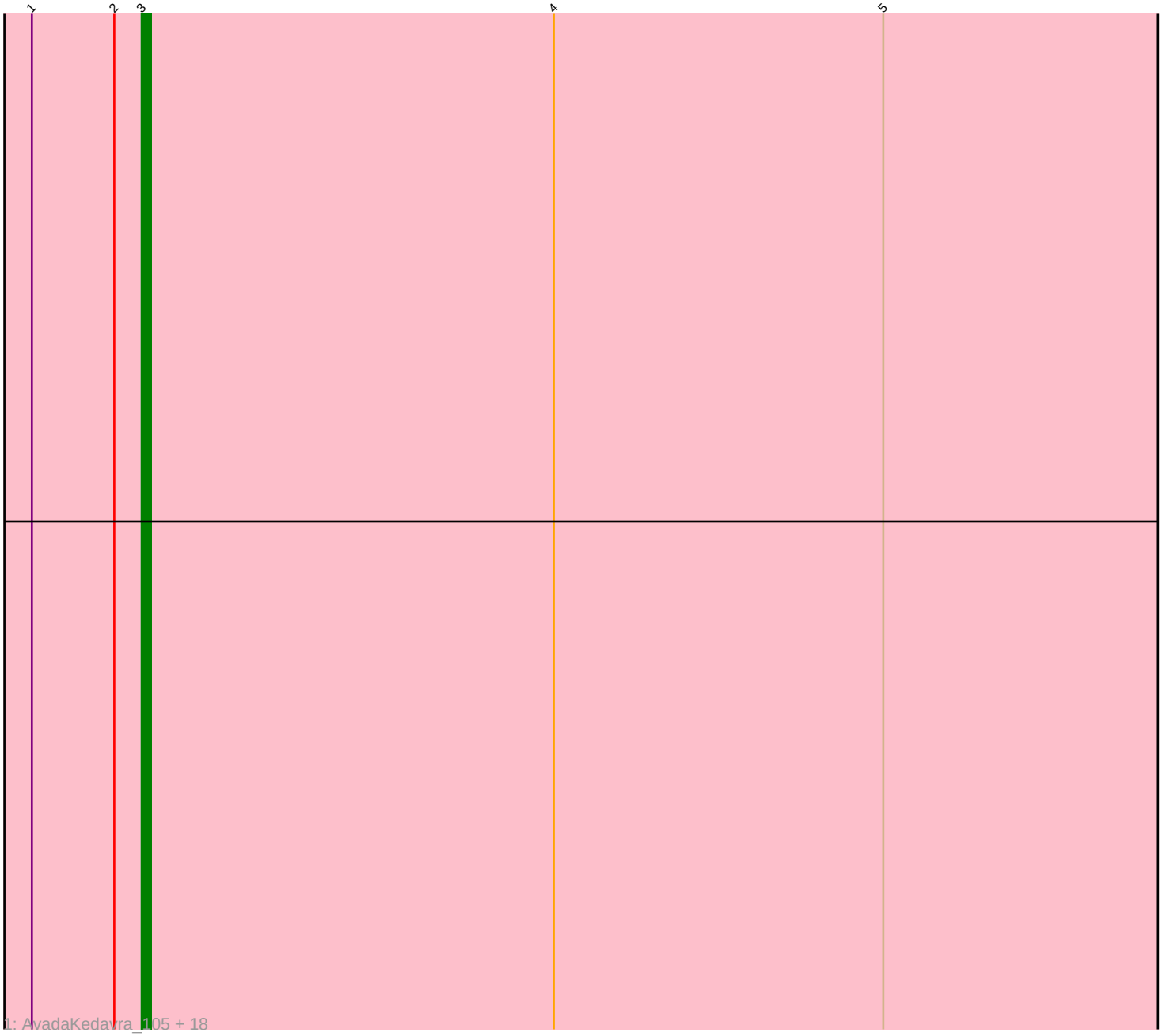
Pham 86700



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 86700 Report

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

Pham number 86700 has 19 members, 1 are drafts.

Phages represented in each track:
• Track 1 : AvadaKedavra_105, Enceladus_102, Calm_108, Wamburgrxpress_103, CicholasNage_101, UPIE_104, JoeDirt_105, Halena_104, Zaria_107, Tyson_107, LeBron_104, Silverleaf_103, DirkDirk_102, Acquire49_105, Rose5_106, Wyatt2_106, MAckerman_102, Appletree2_103, OhShagHennessy_100

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

The start number called the most often in the published annotations is 3, it was called in 18 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Acquire49_105, Appletree2_103, AvadaKedavra_105, Calm_108, CicholasNage_101, DirkDirk_102, Enceladus_102, Halena_104, JoeDirt_105, LeBron_104, MAckerman_102, OhShagHennessy_100, Rose5_106, Silverleaf_103, Tyson_107, UPIE_104, Wamburgrxpress_103, Wyatt2_106, Zaria_107,

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 3:
• Found in 19 of 19 (100.0%) of genes in pham
• Manual Annotations of this start: 18 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Acquire49_105 (L1), Appletree2_103 (L1), AvadaKedavra_105 (L1), Calm_108 (L1), CicholasNage_101 (L1), DirkDirk_102 (L1), Enceladus_102 (L1), Halena_104 (L1), JoeDirt_105 (L1), LeBron_104 (L1), MAckerman_102 (L1), OhShagHennessy_100 (L1), Rose5_106 (L1), Silverleaf_103 (L1), Tyson_107 (L1), UPIE_104 (L1), Wamburgrxpress_103 (L1), Wyatt2_106 (L1), Zaria_107 (L1),

Summary by clusters:

There is one cluster represented in this pham: L1

Info for manual annotations of cluster L1:
•Start number 3 was manually annotated 18 times for cluster L1.

Gene Information:

Gene: Acquire49_105 Start: 61440, Stop: 61604, Start Num: 3
Candidate Starts for Acquire49_105:
(1, 61428), (2, 61437), (Start: 3 @61440 has 18 MA's), (4, 61485), (5, 61521),

Gene: Appletree2_103 Start: 60953, Stop: 61117, Start Num: 3
Candidate Starts for Appletree2_103:
(1, 60941), (2, 60950), (Start: 3 @60953 has 18 MA's), (4, 60998), (5, 61034),

Gene: AvadaKedavra_105 Start: 61552, Stop: 61716, Start Num: 3
Candidate Starts for AvadaKedavra_105:
(1, 61540), (2, 61549), (Start: 3 @61552 has 18 MA's), (4, 61597), (5, 61633),

Gene: Calm_108 Start: 61985, Stop: 62149, Start Num: 3
Candidate Starts for Calm_108:
(1, 61973), (2, 61982), (Start: 3 @61985 has 18 MA's), (4, 62030), (5, 62066),

Gene: CicholasNage_101 Start: 60934, Stop: 61098, Start Num: 3
Candidate Starts for CicholasNage_101:
(1, 60922), (2, 60931), (Start: 3 @60934 has 18 MA's), (4, 60979), (5, 61015),

Gene: DirkDirk_102 Start: 60811, Stop: 60975, Start Num: 3
Candidate Starts for DirkDirk_102:
(1, 60799), (2, 60808), (Start: 3 @60811 has 18 MA's), (4, 60856), (5, 60892),

Gene: Enceladus_102 Start: 61109, Stop: 61273, Start Num: 3
Candidate Starts for Enceladus_102:
(1, 61097), (2, 61106), (Start: 3 @61109 has 18 MA's), (4, 61154), (5, 61190),

Gene: Halena_104 Start: 60901, Stop: 61065, Start Num: 3
Candidate Starts for Halena_104:
(1, 60889), (2, 60898), (Start: 3 @60901 has 18 MA's), (4, 60946), (5, 60982),

Gene: JoeDirt_105 Start: 61987, Stop: 62151, Start Num: 3
Candidate Starts for JoeDirt_105:
(1, 61975), (2, 61984), (Start: 3 @61987 has 18 MA's), (4, 62032), (5, 62068),

Gene: LeBron_104 Start: 61042, Stop: 61206, Start Num: 3
Candidate Starts for LeBron_104:
(1, 61030), (2, 61039), (Start: 3 @61042 has 18 MA's), (4, 61087), (5, 61123),

Gene: MAckerman_102 Start: 60894, Stop: 61058, Start Num: 3

Candidate Starts for MAckerman_102:
(1, 60882), (2, 60891), (Start: 3 @60894 has 18 MA's), (4, 60939), (5, 60975),

Gene: OhShagHennessy_100 Start: 60370, Stop: 60534, Start Num: 3
Candidate Starts for OhShagHennessy_100:
(1, 60358), (2, 60367), (Start: 3 @60370 has 18 MA's), (4, 60415), (5, 60451),

Gene: Rose5_106 Start: 61714, Stop: 61878, Start Num: 3
Candidate Starts for Rose5_106:
(1, 61702), (2, 61711), (Start: 3 @61714 has 18 MA's), (4, 61759), (5, 61795),

Gene: Silverleaf_103 Start: 60854, Stop: 61018, Start Num: 3
Candidate Starts for Silverleaf_103:
(1, 60842), (2, 60851), (Start: 3 @60854 has 18 MA's), (4, 60899), (5, 60935),

Gene: Tyson_107 Start: 62145, Stop: 62309, Start Num: 3
Candidate Starts for Tyson_107:
(1, 62133), (2, 62142), (Start: 3 @62145 has 18 MA's), (4, 62190), (5, 62226),

Gene: UPIE_104 Start: 61385, Stop: 61549, Start Num: 3
Candidate Starts for UPIE_104:
(1, 61373), (2, 61382), (Start: 3 @61385 has 18 MA's), (4, 61430), (5, 61466),

Gene: Wamburgrxpress_103 Start: 61254, Stop: 61418, Start Num: 3
Candidate Starts for Wamburgrxpress_103:
(1, 61242), (2, 61251), (Start: 3 @61254 has 18 MA's), (4, 61299), (5, 61335),

Gene: Wyatt2_106 Start: 61808, Stop: 61972, Start Num: 3
Candidate Starts for Wyatt2_106:
(1, 61796), (2, 61805), (Start: 3 @61808 has 18 MA's), (4, 61853), (5, 61889),

Gene: Zaria_107 Start: 61450, Stop: 61614, Start Num: 3
Candidate Starts for Zaria_107:
(1, 61438), (2, 61447), (Start: 3 @61450 has 18 MA's), (4, 61495), (5, 61531),