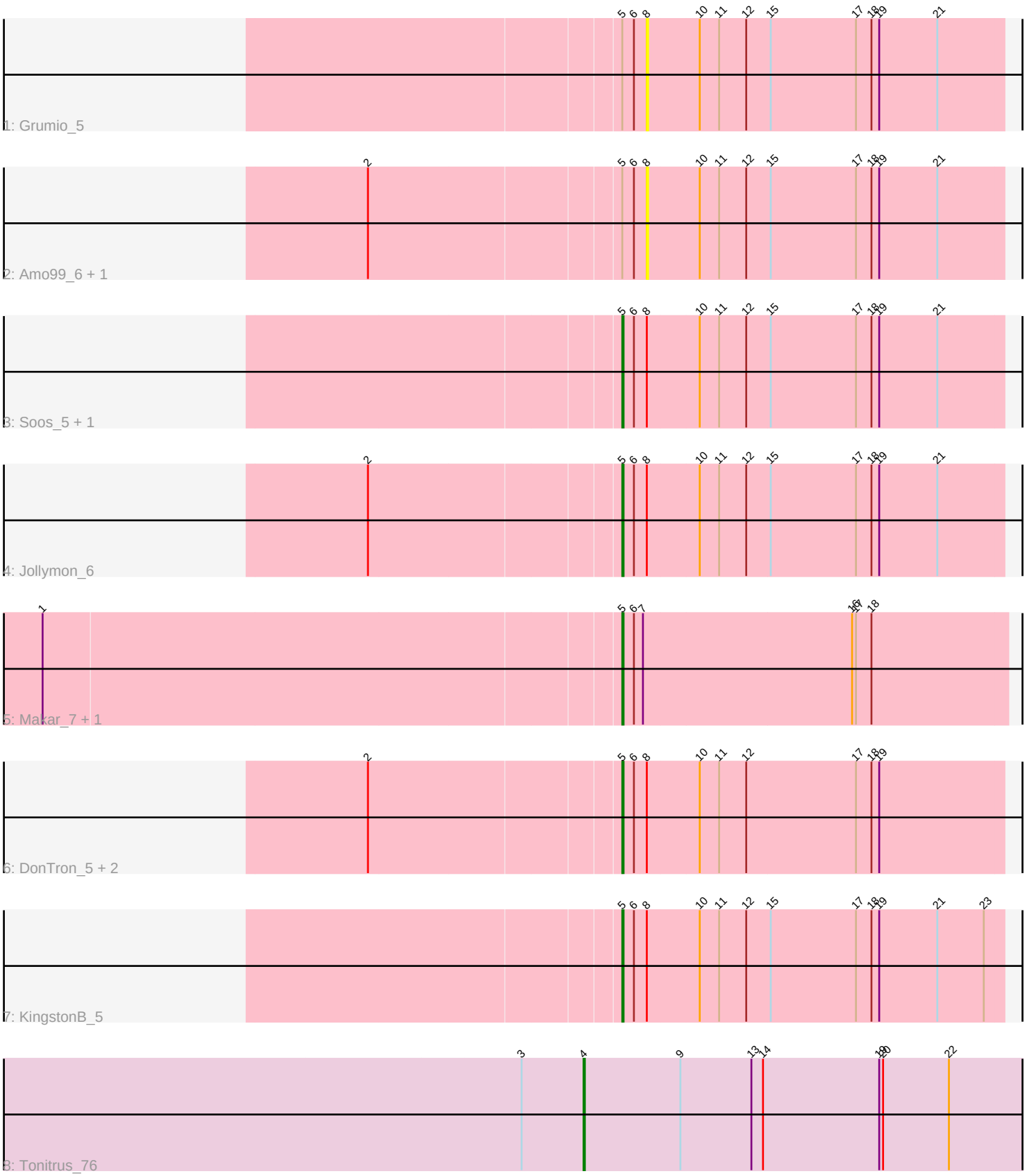
Pham 348184


1: Grumio_5
2: Amo99_6 + 1
3: Soos_5 + 1
4: Jollymon_6
5: Makar_7 + 1
6: DonTron_5 + 2
7: KingstonB_5
8: Tonitrus_76

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 348184 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348184 has 13 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Grumio_5
• Track 2 : Amo99_6, ColdSoup_6
• Track 3 : Soos_5, Purplicious_5
• Track 4 : Jollymon_6
• Track 5 : Makar_7, Clawz_7
• Track 6 : DonTron_5, Stillion_6, Sting_6
• Track 7 : KingstonB_5
• Track 8 : Tonitrus_76

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 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Clawz_7, DonTron_5, Jollymon_6, KingstonB_5, Makar_7, Purplicious_5, Soos_5, Stillion_6, Sting_6,

Genes that have the "Most Annotated" start but do not call it:
• Amo99_6, ColdSoup_6, Grumio_5,

Genes that do not have the "Most Annotated" start:
• Tonitrus_76,

Summary by start number:

Start 4:
• Found in 1 of 13 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Tonitrus_76 (singleton),

Start 5:
• Found in 12 of 13 (92.3%) of genes in pham

• Manual Annotations of this start: 7 of 8
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Clawz_7 (CP), DonTron_5 (CP), Jollymon_6 (CP), KingstonB_5 (CP), Makar_7 (CP), Purplicious_5 (CP), Soos_5 (CP), Stillion_6 (CP), Sting_6 (CP),

Start 8:
• Found in 10 of 13 (76.9%) of genes in pham
• No Manual Annotations of this start.
• Called 30.0% of time when present
• Phage (with cluster) where this start called: Amo99_6 (CP), ColdSoup_6 (CP), Grumio_5 (CP),

Summary by clusters:

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

Info for manual annotations of cluster CP:
•Start number 5 was manually annotated 7 times for cluster CP.

Gene Information:

Gene: Amo99_6 Start: 4119, Stop: 4391, Start Num: 8
Candidate Starts for Amo99_6:
(2, 3915), (Start: 5 @4101 has 7 MA's), (6, 4110), (8, 4119), (10, 4158), (11, 4173), (12, 4194), (15, 4212), (17, 4278), (18, 4290), (19, 4296), (21, 4341),

Gene: Clawz_7 Start: 4071, Stop: 4364, Start Num: 5
Candidate Starts for Clawz_7:
(1, 3636), (Start: 5 @4071 has 7 MA's), (6, 4080), (7, 4086), (16, 4245), (17, 4248), (18, 4260),

Gene: ColdSoup_6 Start: 4119, Stop: 4391, Start Num: 8
Candidate Starts for ColdSoup_6:
(2, 3915), (Start: 5 @4101 has 7 MA's), (6, 4110), (8, 4119), (10, 4158), (11, 4173), (12, 4194), (15, 4212), (17, 4278), (18, 4290), (19, 4296), (21, 4341),

Gene: DonTron_5 Start: 3691, Stop: 3981, Start Num: 5
Candidate Starts for DonTron_5:
(2, 3505), (Start: 5 @3691 has 7 MA's), (6, 3700), (8, 3709), (10, 3748), (11, 3763), (12, 3784), (17, 3868), (18, 3880), (19, 3886),

Gene: Grumio_5 Start: 3708, Stop: 3980, Start Num: 8
Candidate Starts for Grumio_5:
(Start: 5 @3690 has 7 MA's), (6, 3699), (8, 3708), (10, 3747), (11, 3762), (12, 3783), (15, 3801), (17, 3867), (18, 3879), (19, 3885), (21, 3930),

Gene: Jollymon_6 Start: 4101, Stop: 4391, Start Num: 5
Candidate Starts for Jollymon_6:
(2, 3915), (Start: 5 @4101 has 7 MA's), (6, 4110), (8, 4119), (10, 4158), (11, 4173), (12, 4194), (15, 4212), (17, 4278), (18, 4290), (19, 4296), (21, 4341),

Gene: KingstonB_5 Start: 3690, Stop: 3980, Start Num: 5
Candidate Starts for KingstonB_5:
(Start: 5 @3690 has 7 MA's), (6, 3699), (8, 3708), (10, 3747), (11, 3762), (12, 3783), (15, 3801), (17, 3867), (18, 3879), (19, 3885), (21, 3930), (23, 3966),

Gene: Makar_7 Start: 4071, Stop: 4364, Start Num: 5
Candidate Starts for Makar_7:
(1, 3636), (Start: 5 @4071 has 7 MA's), (6, 4080), (7, 4086), (16, 4245), (17, 4248), (18, 4260),

Gene: Purplicious_5 Start: 3691, Stop: 3981, Start Num: 5
Candidate Starts for Purplicious_5:
(Start: 5 @3691 has 7 MA's), (6, 3700), (8, 3709), (10, 3748), (11, 3763), (12, 3784), (15, 3802), (17, 3868), (18, 3880), (19, 3886), (21, 3931),

Gene: Soos_5 Start: 3690, Stop: 3980, Start Num: 5
Candidate Starts for Soos_5:
(Start: 5 @3690 has 7 MA's), (6, 3699), (8, 3708), (10, 3747), (11, 3762), (12, 3783), (15, 3801), (17, 3867), (18, 3879), (19, 3885), (21, 3930),

Gene: Stillion_6 Start: 4171, Stop: 4461, Start Num: 5
Candidate Starts for Stillion_6:
(2, 3985), (Start: 5 @4171 has 7 MA's), (6, 4180), (8, 4189), (10, 4228), (11, 4243), (12, 4264), (17, 4348), (18, 4360), (19, 4366),

Gene: Sting_6 Start: 4102, Stop: 4392, Start Num: 5
Candidate Starts for Sting_6:
(2, 3916), (Start: 5 @4102 has 7 MA's), (6, 4111), (8, 4120), (10, 4159), (11, 4174), (12, 4195), (17, 4279), (18, 4291), (19, 4297),

Gene: Tonitrus_76 Start: 54004, Stop: 54357, Start Num: 4
Candidate Starts for Tonitrus_76:
(3, 53956), (Start: 4 @54004 has 1 MA's), (9, 54079), (13, 54133), (14, 54142), (19, 54232), (20, 54235), (22, 54286),