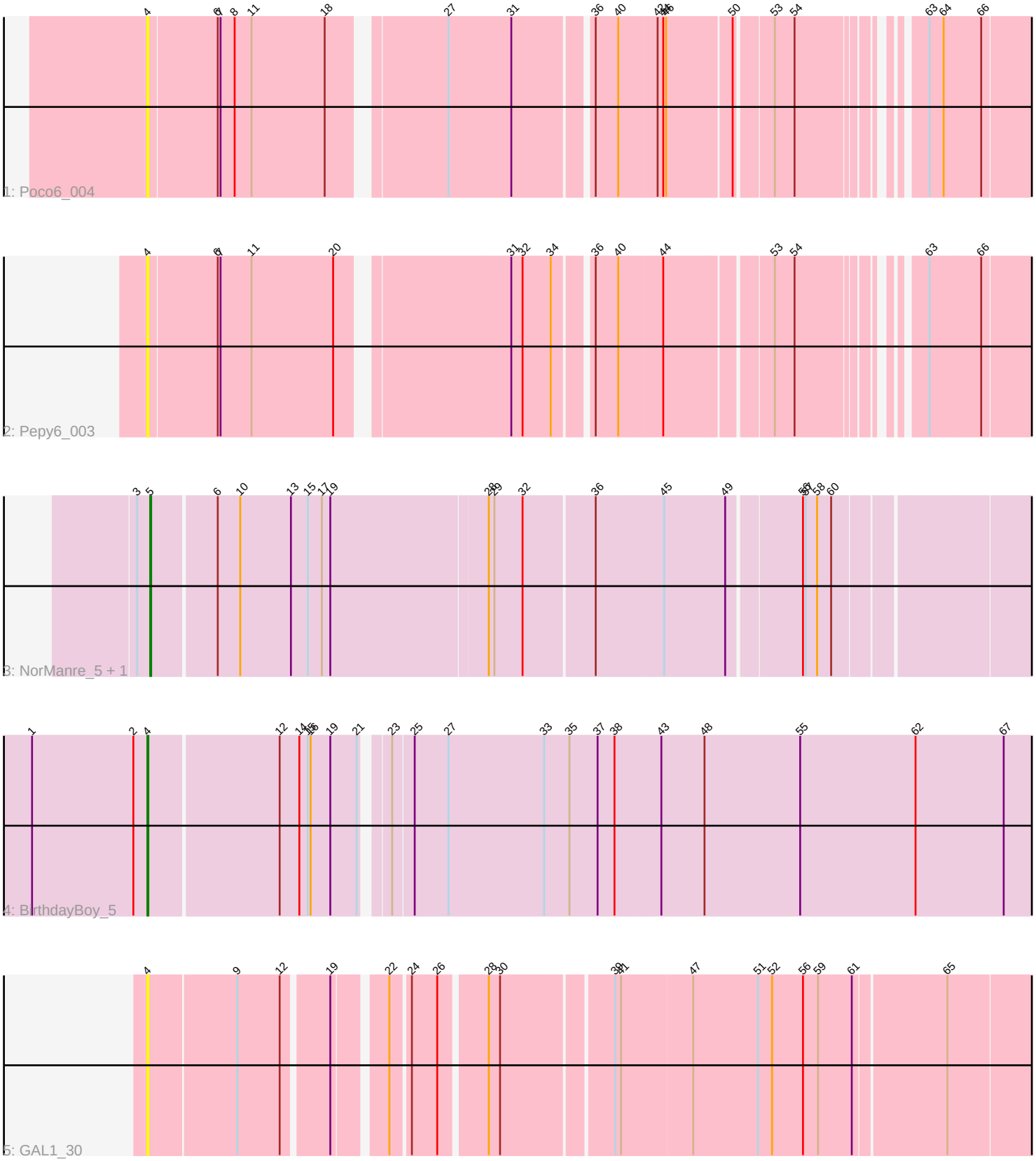
Pham 9941



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 9941 Report

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

Pham number 9941 has 6 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Poco6_004
• Track 2 : Pepy6_003
• Track 3 : NorManre_5, Patos_5
• Track 4 : BirthdayBoy_5
• Track 5 : GAL1_30

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 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• NorManre_5, Patos_5,

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

Genes that do not have the "Most Annotated" start:
• BirthdayBoy_5, GAL1_30, Pepy6_003, Poco6_004,

Summary by start number:

Start 4:
• Found in 4 of 6 (66.7%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BirthdayBoy_5 (DV), GAL1_30 (singleton), Pepy6_003 (CC), Poco6_004 (CC),

Start 5:
• Found in 2 of 6 (33.3%) of genes in pham
• Manual Annotations of this start: 2 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: NorManre_5 (DV), Patos_5 (DV),

Summary by clusters:

There are 3 clusters represented in this pham: DV, CC, singleton,

Info for manual annotations of cluster DV:
•Start number 4 was manually annotated 1 time for cluster DV.
•Start number 5 was manually annotated 2 times for cluster DV.

Gene Information:

Gene: BirthdayBoy_5 Start: 4843, Stop: 5784, Start Num: 4
Candidate Starts for BirthdayBoy_5:
(1, 4720), (2, 4828), (Start: 4 @4843 has 1 MA's), (12, 4978), (14, 4999), (15, 5008), (16, 5011), (19, 5032), (21, 5059), (23, 5080), (25, 5101), (27, 5137), (33, 5239), (35, 5266), (37, 5296), (38, 5314), (43, 5362), (48, 5407), (55, 5509), (62, 5632), (67, 5725),

Gene: GAL1_30 Start: 26783, Stop: 27679, Start Num: 4
Candidate Starts for GAL1_30:
(Start: 4 @26783 has 1 MA's), (9, 26873), (12, 26918), (19, 26963), (22, 27011), (24, 27029), (26, 27056), (28, 27101), (30, 27113), (39, 27224), (41, 27230), (47, 27305), (51, 27374), (52, 27389), (56, 27422), (59, 27437), (61, 27473), (65, 27566),

Gene: NorManre_5 Start: 4777, Stop: 5688, Start Num: 5
Candidate Starts for NorManre_5:
(3, 4765), (Start: 5 @4777 has 2 MA's), (6, 4843), (10, 4867), (13, 4921), (15, 4939), (17, 4954), (19, 4963), (28, 5125), (29, 5131), (32, 5161), (36, 5233), (45, 5299), (49, 5362), (56, 5434), (57, 5437), (58, 5449), (60, 5464),

Gene: Patos_5 Start: 4777, Stop: 5688, Start Num: 5
Candidate Starts for Patos_5:
(3, 4765), (Start: 5 @4777 has 2 MA's), (6, 4843), (10, 4867), (13, 4921), (15, 4939), (17, 4954), (19, 4963), (28, 5125), (29, 5131), (32, 5161), (36, 5233), (45, 5299), (49, 5362), (56, 5434), (57, 5437), (58, 5449), (60, 5464),

Gene: Pepy6_003 Start: 3530, Stop: 4390, Start Num: 4
Candidate Starts for Pepy6_003:
(Start: 4 @3530 has 1 MA's), (6, 3602), (7, 3605), (11, 3638), (20, 3725), (31, 3890), (32, 3902), (34, 3932), (36, 3965), (40, 3986), (44, 4031), (53, 4136), (54, 4157), (63, 4256), (66, 4310),

Gene: Poco6_004 Start: 5777, Stop: 6637, Start Num: 4
Candidate Starts for Poco6_004:
(Start: 4 @5777 has 1 MA's), (6, 5849), (7, 5852), (8, 5867), (11, 5885), (18, 5963), (27, 6071), (31, 6137), (36, 6212), (40, 6233), (42, 6272), (44, 6278), (46, 6281), (50, 6347), (53, 6383), (54, 6404), (63, 6503), (64, 6518), (66, 6557),