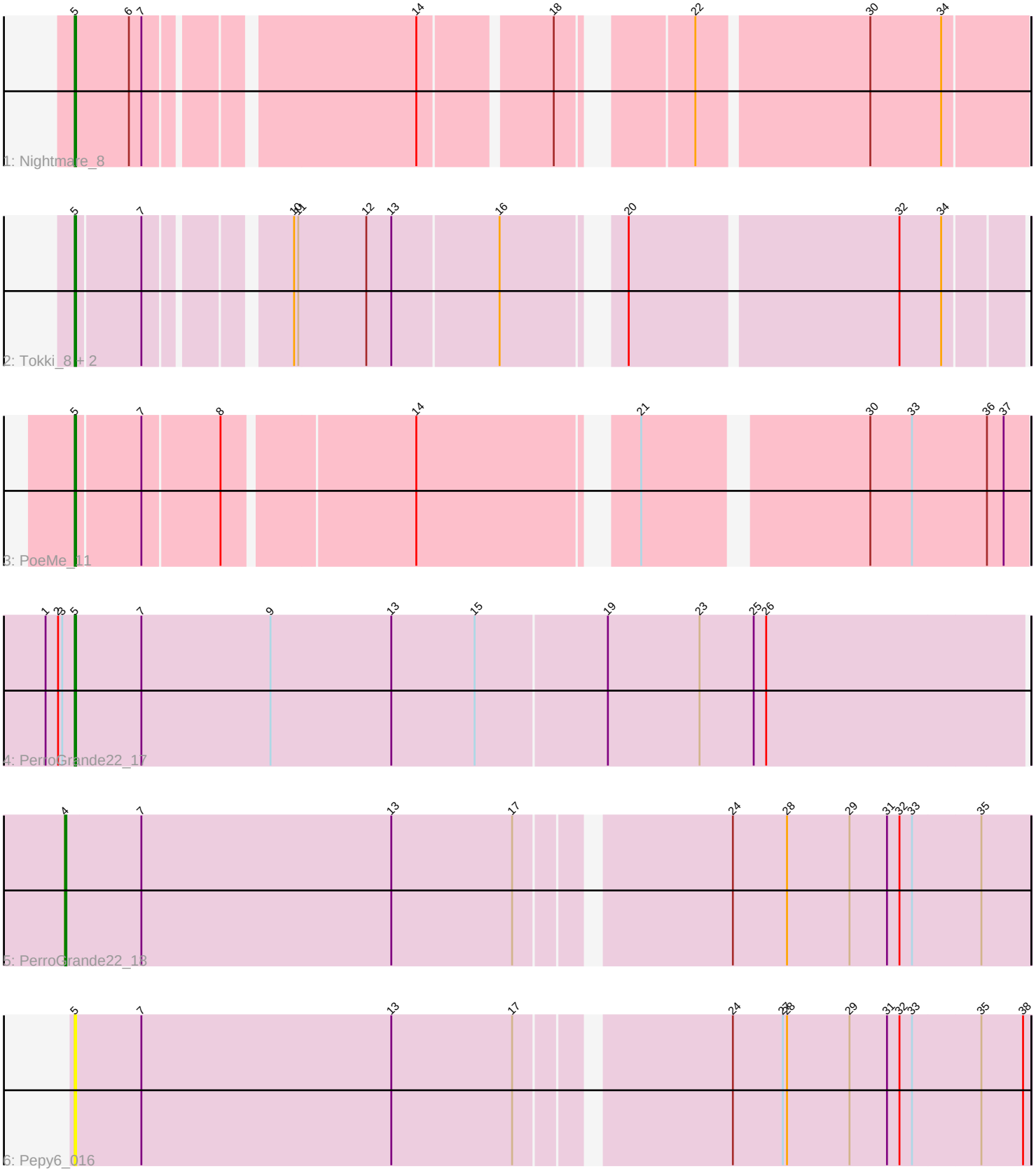
Pham 348320


1: Nightmare_8
2: Tokki_8_+ 2
3: PoeMe_11
4: PerroGrande22_17
5: PerroGrande22_18
6: Pepy6_016

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 348320 Report

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

Pham number 348320 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Nightmare_8
• Track 2 : Tokki_8, Tipton_8, Chlochlo_8
• Track 3 : PoeMe_11
• Track 4 : PerroGrande22_17
• Track 5 : PerroGrande22_18
• Track 6 : Pepy6_016

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 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Chlochlo_8, Nightmare_8, Pepy6_016, PerroGrande22_17, PoeMe_11, Tipton_8, Tokki_8,

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

Genes that do not have the "Most Annotated" start:
• PerroGrande22_18,

Summary by start number:

Start 4:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: PerroGrande22_18 (CC),

Start 5:
• Found in 7 of 8 (87.5%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Chlochlo_8 (AU2), Nightmare_8 (AU1), Pepy6_016 (CC), PerroGrande22_17 (CC), PoeMe_11 (AU6), Tipton_8 (AU2), Tokki_8 (AU2),

Summary by clusters:

There are 4 clusters represented in this pham: CC, AU1, AU2, AU6,

Info for manual annotations of cluster AU1:
•Start number 5 was manually annotated 1 time for cluster AU1.

Info for manual annotations of cluster AU2:
•Start number 5 was manually annotated 3 times for cluster AU2.

Info for manual annotations of cluster AU6:
•Start number 5 was manually annotated 1 time for cluster AU6.

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

Gene Information:

Gene: Chlochlo_8 Start: 5261, Stop: 5875, Start Num: 5
Candidate Starts for Chlochlo_8:
(Start: 5 @5261 has 6 MA's), (7, 5306), (10, 5393), (11, 5396), (12, 5444), (13, 5462), (16, 5537), (20, 5606), (32, 5792), (34, 5822),

Gene: Nightmare_8 Start: 5301, Stop: 5912, Start Num: 5
Candidate Starts for Nightmare_8:
(Start: 5 @5301 has 6 MA's), (6, 5340), (7, 5349), (14, 5523), (18, 5610), (22, 5685), (30, 5802), (34, 5853),

Gene: Pepy6_016 Start: 14589, Stop: 15254, Start Num: 5
Candidate Starts for Pepy6_016:
(Start: 5 @14589 has 6 MA's), (7, 14637), (13, 14817), (17, 14904), (24, 15042), (27, 15078), (28, 15081), (29, 15126), (31, 15153), (32, 15162), (33, 15171), (35, 15219), (38, 15249),

Gene: PerroGrande22_17 Start: 14811, Stop: 15488, Start Num: 5
Candidate Starts for PerroGrande22_17:
(1, 14790), (2, 14799), (3, 14802), (Start: 5 @14811 has 6 MA's), (7, 14859), (9, 14952), (13, 15039), (15, 15099), (19, 15192), (23, 15258), (25, 15297), (26, 15306),

Gene: PerroGrande22_18 Start: 15508, Stop: 16179, Start Num: 4
Candidate Starts for PerroGrande22_18:
(Start: 4 @15508 has 1 MA's), (7, 15562), (13, 15742), (17, 15829), (24, 15967), (28, 16006), (29, 16051), (31, 16078), (32, 16087), (33, 16096), (35, 16144),

Gene: PoeMe_11 Start: 6114, Stop: 6740, Start Num: 5
Candidate Starts for PoeMe_11:

(Start: 5 @6114 has 6 MA's), (7, 6159), (8, 6213), (14, 6342), (21, 6480), (30, 6627), (33, 6657), (36, 6711), (37, 6723),

Gene: Tipton_8 Start: 5261, Stop: 5875, Start Num: 5
Candidate Starts for Tipton_8:
(Start: 5 @5261 has 6 MA's), (7, 5306), (10, 5393), (11, 5396), (12, 5444), (13, 5462), (16, 5537), (20, 5606), (32, 5792), (34, 5822),

Gene: Tokki_8 Start: 5270, Stop: 5884, Start Num: 5
Candidate Starts for Tokki_8:
(Start: 5 @5270 has 6 MA's), (7, 5315), (10, 5402), (11, 5405), (12, 5453), (13, 5471), (16, 5546), (20, 5615), (32, 5801), (34, 5831),