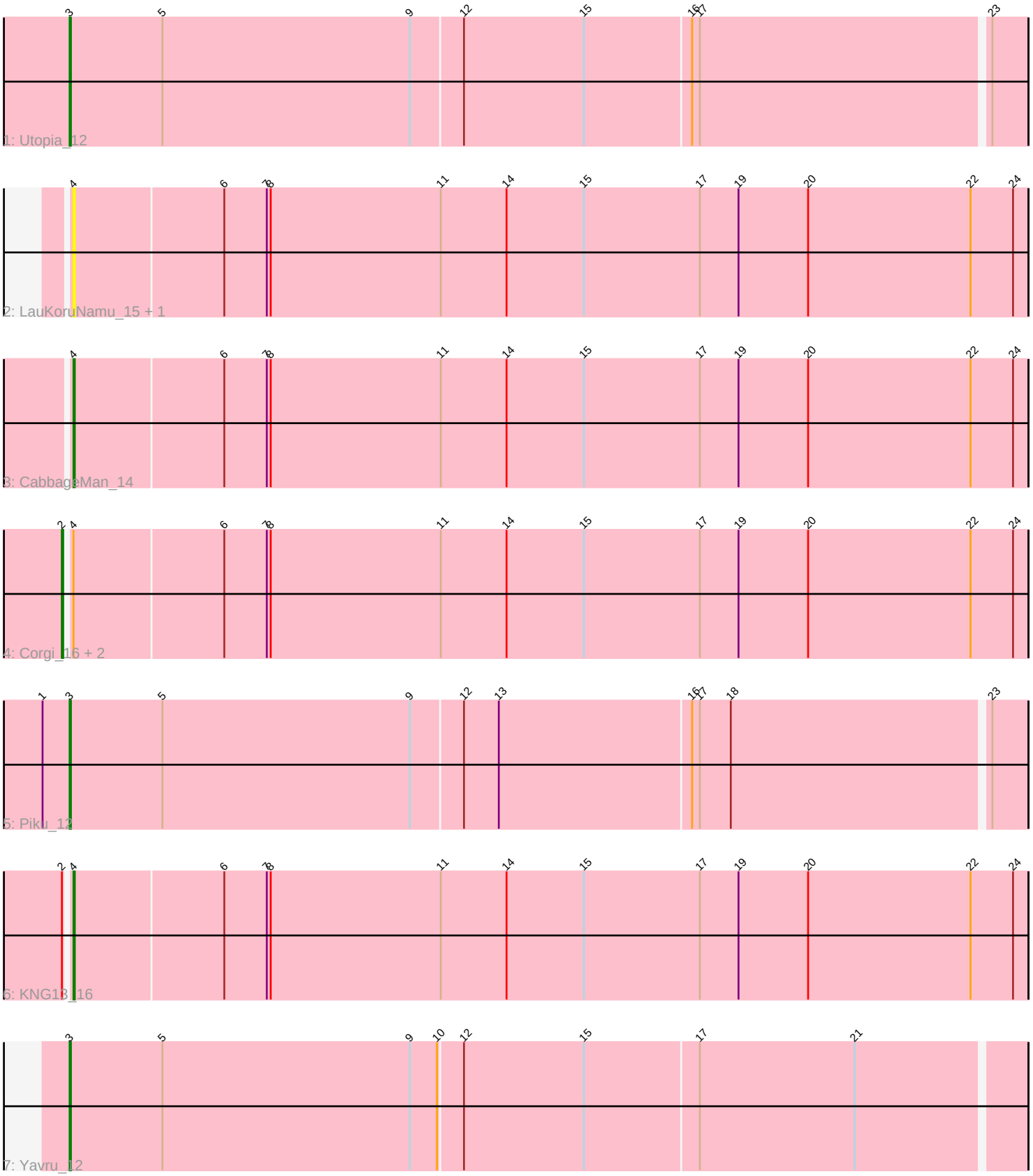
Pham 276838


3
5
9
12
15
16
17
23
1: Utopia_12
4
6
8
11
14
15
17
19
20
22
24
2: LauKoruNamu_15 + 1
4
6
8
11
14
15
17
19
20
22
24
3: CabbageMan_14
2
4
6
8
11
14
15
17
19
20
22
24
4: Corgi_16 + 2
1
3
5
9
12
13
16
17
18
23
5: Piku_12
2
4
6
8
11
14
15
17
19
20
22
24
6: KNG13_16
3
5
9
10
12
15
17
21
7: Yavru_12

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 276838 Report

This analysis was run 02/07/26 on database version 634.

Pham number 276838 has 10 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Utopia_12
• Track 2 : LauKoruNamu_15, Pauu_15
• Track 3 : CabbageMan_14
• Track 4 : Corgi_16, Nebulanyx_16, CheeseDanish_16
• Track 5 : Piku_12
• Track 6 : KNG13_16
• Track 7 : Yavru_12

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

Genes that call this "Most Annotated" start:
• Piku_12, Utopia_12, Yavru_12,

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

Genes that do not have the "Most Annotated" start:
• CabbageMan_14, CheeseDanish_16, Corgi_16, KNG13_16, LauKoruNamu_15, Nebulanyx_16, Pauu_15,

Summary by start number:

Start 2:
• Found in 4 of 10 (40.0%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 75.0% of time when present
• Phage (with cluster) where this start called: CheeseDanish_16 (FE), Corgi_16 (FE), Nebulanyx_16 (FE),

Start 3:
• Found in 3 of 10 (30.0%) of genes in pham

• Manual Annotations of this start: 3 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Piku_12 (FE), Utopia_12 (FE), Yavru_12 (FE),

Start 4:
• Found in 7 of 10 (70.0%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 57.1% of time when present
• Phage (with cluster) where this start called: CabbageMan_14 (FE), KNG13_16 (FE), LauKoruNamu_15 (FE), Pauu_15 (FE),

Summary by clusters:

There is one cluster represented in this pham: FE

Info for manual annotations of cluster FE:
•Start number 2 was manually annotated 1 time for cluster FE.
•Start number 3 was manually annotated 3 times for cluster FE.
•Start number 4 was manually annotated 2 times for cluster FE.

Gene Information:

Gene: CabbageMan_14 Start: 11695, Stop: 12432, Start Num: 4
Candidate Starts for CabbageMan_14:
(Start: 4 @11695 has 2 MA's), (6, 11809), (7, 11842), (8, 11845), (11, 11977), (14, 12028), (15, 12088), (17, 12178), (19, 12208), (20, 12262), (22, 12388), (24, 12421),

Gene: CheeseDanish_16 Start: 11850, Stop: 12590, Start Num: 2
Candidate Starts for CheeseDanish_16:
(Start: 2 @11850 has 1 MA's), (Start: 4 @11853 has 2 MA's), (6, 11967), (7, 12000), (8, 12003), (11, 12135), (14, 12186), (15, 12246), (17, 12336), (19, 12366), (20, 12420), (22, 12546), (24, 12579),

Gene: Corgi_16 Start: 11850, Stop: 12590, Start Num: 2
Candidate Starts for Corgi_16:
(Start: 2 @11850 has 1 MA's), (Start: 4 @11853 has 2 MA's), (6, 11967), (7, 12000), (8, 12003), (11, 12135), (14, 12186), (15, 12246), (17, 12336), (19, 12366), (20, 12420), (22, 12546), (24, 12579),

Gene: KNG13_16 Start: 11850, Stop: 12587, Start Num: 4
Candidate Starts for KNG13_16:
(Start: 2 @11847 has 1 MA's), (Start: 4 @11850 has 2 MA's), (6, 11964), (7, 11997), (8, 12000), (11, 12132), (14, 12183), (15, 12243), (17, 12333), (19, 12363), (20, 12417), (22, 12543), (24, 12576),

Gene: LauKoruNamu_15 Start: 11695, Stop: 12432, Start Num: 4
Candidate Starts for LauKoruNamu_15:
(Start: 4 @11695 has 2 MA's), (6, 11809), (7, 11842), (8, 11845), (11, 11977), (14, 12028), (15, 12088), (17, 12178), (19, 12208), (20, 12262), (22, 12388), (24, 12421),

Gene: Nebulanyx_16 Start: 11847, Stop: 12587, Start Num: 2
Candidate Starts for Nebulanyx_16:

(Start: 2 @11847 has 1 MA's), (Start: 4 @11850 has 2 MA's), (6, 11964), (7, 11997), (8, 12000), (11, 12132), (14, 12183), (15, 12243), (17, 12333), (19, 12363), (20, 12417), (22, 12543), (24, 12576),

Gene: Pauu_15 Start: 11695, Stop: 12432, Start Num: 4
Candidate Starts for Pauu_15:
(Start: 4 @11695 has 2 MA's), (6, 11809), (7, 11842), (8, 11845), (11, 11977), (14, 12028), (15, 12088), (17, 12178), (19, 12208), (20, 12262), (22, 12388), (24, 12421),

Gene: Piku_12 Start: 11038, Stop: 11766, Start Num: 3
Candidate Starts for Piku_12:
(1, 11020), (Start: 3 @11038 has 3 MA's), (5, 11110), (9, 11302), (12, 11341), (13, 11368), (16, 11515), (17, 11521), (18, 11545), (23, 11740),

Gene: Utopia_12 Start: 11012, Stop: 11740, Start Num: 3
Candidate Starts for Utopia_12:
(Start: 3 @11012 has 3 MA's), (5, 11084), (9, 11276), (12, 11315), (15, 11408), (16, 11489), (17, 11495), (23, 11714),

Gene: Yavru_12 Start: 11017, Stop: 11745, Start Num: 3
Candidate Starts for Yavru_12:
(Start: 3 @11017 has 3 MA's), (5, 11089), (9, 11281), (10, 11302), (12, 11320), (15, 11413), (17, 11500), (21, 11620),