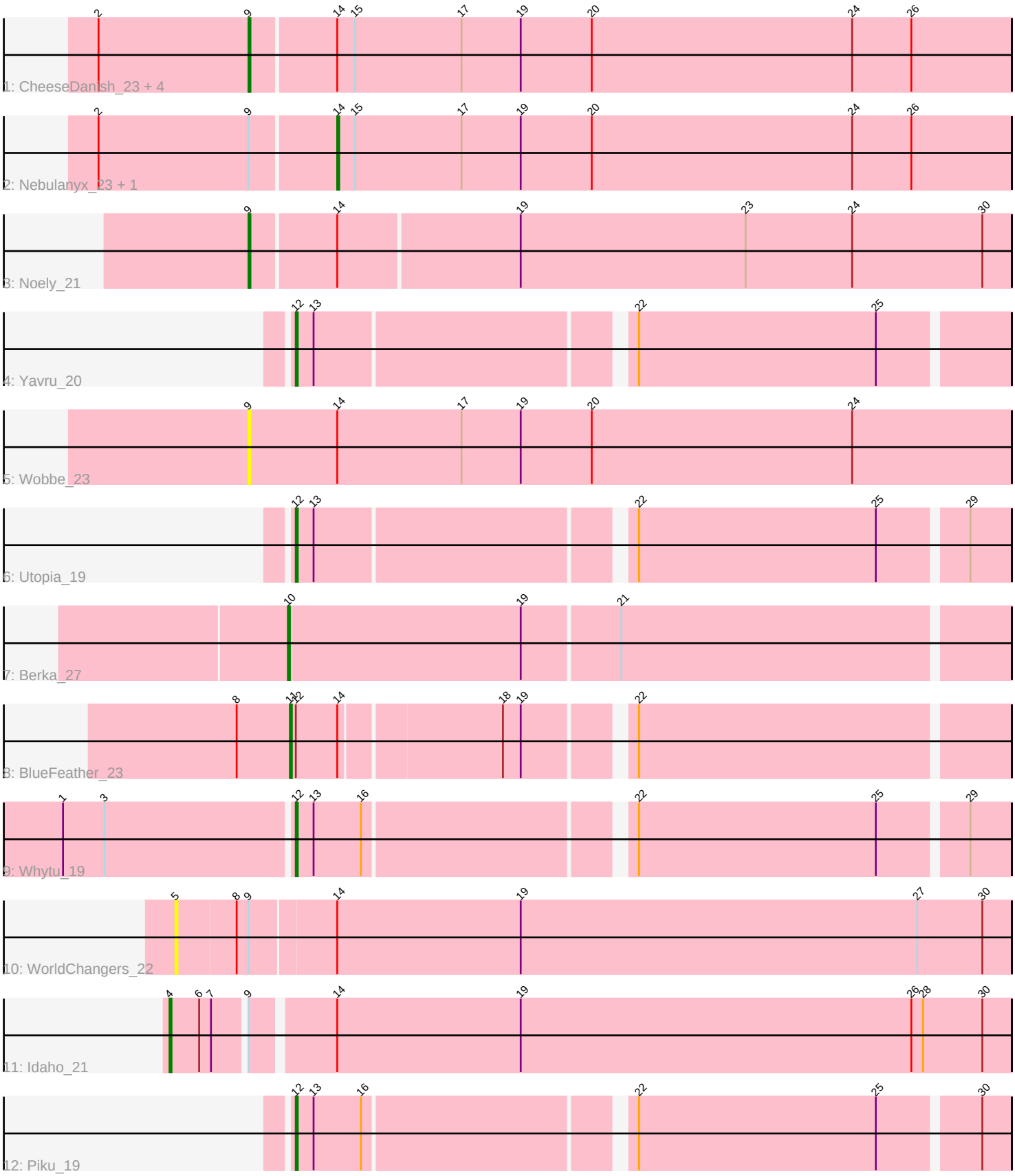
Pham 346238


1: CheeseDanish_23 + 4
2: Nebulanyx_23 + 1
3: Noely_21
4: Yavru_20
5: Wobbe_23
6: Utopia_19
7: Berka_27
8: BlueFeather_23
9: Whytu_19
10: WorldChangers_22
11: Idaho_21
12: Piku_19

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 346238 Report

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

Pham number 346238 has 17 members, 3 are drafts.

Phages represented in each track:
• Track 1 : CheeseDanish_23, Corgi_23, Pauu_22, LauKoruNamu_22, CabbageMan_21
• Track 2 : Nebulanyx_23, KNG13_23
• Track 3 : Noely_21
• Track 4 : Yavru_20
• Track 5 : Wobbe_23
• Track 6 : Utopia_19
• Track 7 : Berka_27
• Track 8 : BlueFeather_23
• Track 9 : Whytu_19
• Track 10 : WorldChangers_22
• Track 11 : Idaho_21
• Track 12 : Piku_19

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

The start number called the most often in the published annotations is 9, it was called in 6 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• CabbageMan_21, CheeseDanish_23, Corgi_23, LauKoruNamu_22, Noely_21, Pauu_22, Wobbe_23,

Genes that have the "Most Annotated" start but do not call it:
• Idaho_21, KNG13_23, Nebulanyx_23, WorldChangers_22,

Genes that do not have the "Most Annotated" start:
• Berka_27, BlueFeather_23, Piku_19, Utopia_19, Whytu_19, Yavru_20,

Summary by start number:

Start 4:
• Found in 1 of 17 (5.9%) of genes in pham
• Manual Annotations of this start: 1 of 14

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Idaho_21 (FE),

Start 5:
• Found in 1 of 17 (5.9%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: WorldChangers_22 (FE),

Start 9:
• Found in 11 of 17 (64.7%) of genes in pham
• Manual Annotations of this start: 6 of 14
• Called 63.6% of time when present
• Phage (with cluster) where this start called: CabbageMan_21 (FE), CheeseDanish_23 (FE), Corgi_23 (FE), LauKoruNamu_22 (FE), Noely_21 (FE), Pauu_22 (FE), Wobbe_23 (FE),

Start 10:
• Found in 1 of 17 (5.9%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Berka_27 (FE),

Start 11:
• Found in 1 of 17 (5.9%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BlueFeather_23 (FE),

Start 12:
• Found in 5 of 17 (29.4%) of genes in pham
• Manual Annotations of this start: 4 of 14
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Piku_19 (FE), Utopia_19 (FE), Whytu_19 (FE), Yavru_20 (FE),

Start 14:
• Found in 12 of 17 (70.6%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 16.7% of time when present
• Phage (with cluster) where this start called: KNG13_23 (FE), Nebulanyx_23 (FE),

Summary by clusters:

There is one cluster represented in this pham: FE

Info for manual annotations of cluster FE:
•Start number 4 was manually annotated 1 time for cluster FE.
•Start number 9 was manually annotated 6 times for cluster FE.
•Start number 10 was manually annotated 1 time for cluster FE.
•Start number 11 was manually annotated 1 time for cluster FE.
•Start number 12 was manually annotated 4 times for cluster FE.
•Start number 14 was manually annotated 1 time for cluster FE.

Gene Information:

Gene: Berka_27 Start: 14718, Stop: 15074, Start Num: 10
Candidate Starts for Berka_27:
(Start: 10 @14718 has 1 MA's), (19, 14835), (21, 14883),

Gene: BlueFeather_23 Start: 15433, Stop: 15774, Start Num: 11
Candidate Starts for BlueFeather_23:
(8, 15406), (Start: 11 @15433 has 1 MA's), (Start: 12 @15436 has 4 MA's), (Start: 14 @15457 has 1 MA's), (18, 15535), (19, 15544), (22, 15592),

Gene: CabbageMan_21 Start: 14675, Stop: 15058, Start Num: 9
Candidate Starts for CabbageMan_21:
(2, 14600), (Start: 9 @14675 has 6 MA's), (Start: 14 @14717 has 1 MA's), (15, 14726), (17, 14780), (19, 14810), (20, 14846), (24, 14978), (26, 15008),

Gene: CheeseDanish_23 Start: 14834, Stop: 15217, Start Num: 9
Candidate Starts for CheeseDanish_23:
(2, 14759), (Start: 9 @14834 has 6 MA's), (Start: 14 @14876 has 1 MA's), (15, 14885), (17, 14939), (19, 14969), (20, 15005), (24, 15137), (26, 15167),

Gene: Corgi_23 Start: 14834, Stop: 15217, Start Num: 9
Candidate Starts for Corgi_23:
(2, 14759), (Start: 9 @14834 has 6 MA's), (Start: 14 @14876 has 1 MA's), (15, 14885), (17, 14939), (19, 14969), (20, 15005), (24, 15137), (26, 15167),

Gene: Idaho_21 Start: 14970, Stop: 15386, Start Num: 4
Candidate Starts for Idaho_21:
(Start: 4 @14970 has 1 MA's), (6, 14985), (7, 14991), (Start: 9 @15006 has 6 MA's), (Start: 14 @15045 has 1 MA's), (19, 15138), (26, 15336), (28, 15342), (30, 15372),

Gene: KNG13_23 Start: 14873, Stop: 15214, Start Num: 14
Candidate Starts for KNG13_23:
(2, 14756), (Start: 9 @14831 has 6 MA's), (Start: 14 @14873 has 1 MA's), (15, 14882), (17, 14936), (19, 14966), (20, 15002), (24, 15134), (26, 15164),

Gene: LauKoruNamu_22 Start: 14675, Stop: 15058, Start Num: 9
Candidate Starts for LauKoruNamu_22:
(2, 14600), (Start: 9 @14675 has 6 MA's), (Start: 14 @14717 has 1 MA's), (15, 14726), (17, 14780), (19, 14810), (20, 14846), (24, 14978), (26, 15008),

Gene: Nebulanyx_23 Start: 14873, Stop: 15214, Start Num: 14
Candidate Starts for Nebulanyx_23:
(2, 14756), (Start: 9 @14831 has 6 MA's), (Start: 14 @14873 has 1 MA's), (15, 14882), (17, 14936), (19, 14966), (20, 15002), (24, 15134), (26, 15164),

Gene: Noely_21 Start: 14189, Stop: 14569, Start Num: 9
Candidate Starts for Noely_21:
(Start: 9 @14189 has 6 MA's), (Start: 14 @14231 has 1 MA's), (19, 14321), (23, 14435), (24, 14489), (30, 14555),

Gene: Pauu_22 Start: 14675, Stop: 15058, Start Num: 9
Candidate Starts for Pauu_22:
(2, 14600), (Start: 9 @14675 has 6 MA's), (Start: 14 @14717 has 1 MA's), (15, 14726), (17, 14780), (19, 14810), (20, 14846), (24, 14978), (26, 15008),

Gene: Piku_19 Start: 14055, Stop: 14396, Start Num: 12
Candidate Starts for Piku_19:
(Start: 12 @14055 has 4 MA's), (13, 14064), (16, 14088), (22, 14214), (25, 14334), (30, 14382),

Gene: Utopia_19 Start: 14050, Stop: 14391, Start Num: 12
Candidate Starts for Utopia_19:
(Start: 12 @14050 has 4 MA's), (13, 14059), (22, 14209), (25, 14329), (29, 14371),

Gene: Whytu_19 Start: 14130, Stop: 14471, Start Num: 12
Candidate Starts for Whytu_19:
(1, 14016), (3, 14037), (Start: 12 @14130 has 4 MA's), (13, 14139), (16, 14163), (22, 14289), (25, 14409), (29, 14451),

Gene: Wobbe_23 Start: 14653, Stop: 15039, Start Num: 9
Candidate Starts for Wobbe_23:
(Start: 9 @14653 has 6 MA's), (Start: 14 @14698 has 1 MA's), (17, 14761), (19, 14791), (20, 14827), (24, 14959),

Gene: WorldChangers_22 Start: 14409, Stop: 14828, Start Num: 5
Candidate Starts for WorldChangers_22:
(5, 14409), (8, 14439), (Start: 9 @14445 has 6 MA's), (Start: 14 @14487 has 1 MA's), (19, 14580), (27, 14781), (30, 14814),

Gene: Yavru_20 Start: 14060, Stop: 14401, Start Num: 12
Candidate Starts for Yavru_20:
(Start: 12 @14060 has 4 MA's), (13, 14069), (22, 14219), (25, 14339),