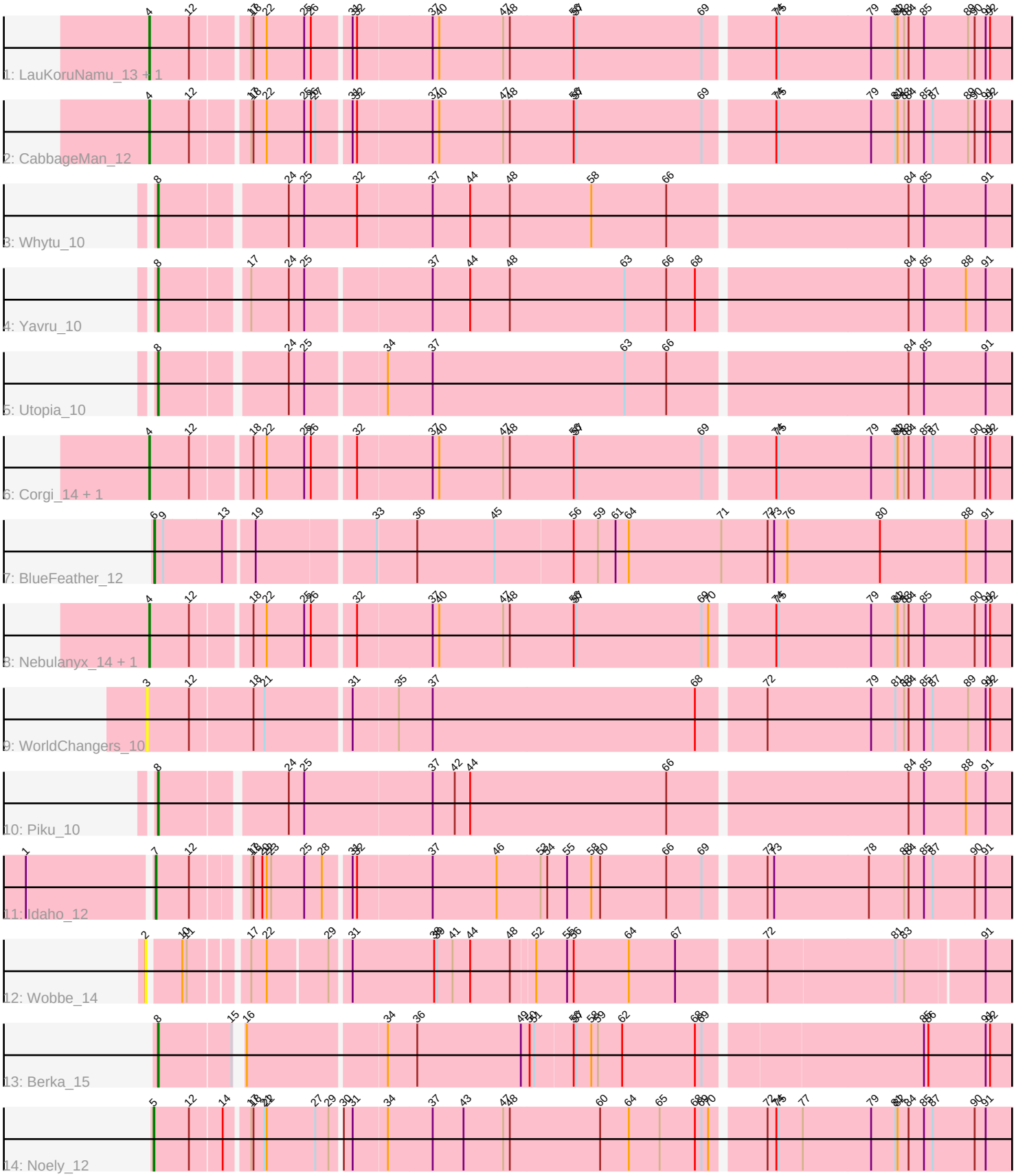
Pham 342630


1: LauKoruNamu_13 + 1
2: CabbageMan_12
3: Whytu_10
4: Yavru_10
5: Utopia_10
6: Corgi_14 + 1
7: BlueFeather_12
8: Nebulanyx_14 + 1
9: WorldChangers_10
10: Piku_10
11: Idaho_12
12: Wobbe_14
13: Berka_15
14: Noely_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 342630 Report

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

Pham number 342630 has 17 members, 3 are drafts.

Phages represented in each track:
• Track 1 : LauKoruNamu_13, Pauu_13
• Track 2 : CabbageMan_12
• Track 3 : Whytu_10
• Track 4 : Yavru_10
• Track 5 : Utopia_10
• Track 6 : Corgi_14, CheeseDanish_14
• Track 7 : BlueFeather_12
• Track 8 : Nebulanyx_14, KNG13_14
• Track 9 : WorldChangers_10
• Track 10 : Piku_10
• Track 11 : Idaho_12
• Track 12 : Wobbe_14
• Track 13 : Berka_15
• Track 14 : Noely_12

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

The start number called the most often in the published annotations is 4, it was called in 6 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• CabbageMan_12, CheeseDanish_14, Corgi_14, KNG13_14, LauKoruNamu_13, Nebulanyx_14, Pauu_13,

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

Genes that do not have the "Most Annotated" start:
• Berka_15, BlueFeather_12, Idaho_12, Noely_12, Piku_10, Utopia_10, Whytu_10, Wobbe_14, WorldChangers_10, Yavru_10,

Summary by start number:

Start 2:

• 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: Wobbe_14 (FE),

Start 3:
• 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_10 (FE),

Start 4:
• Found in 7 of 17 (41.2%) of genes in pham
• Manual Annotations of this start: 6 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CabbageMan_12 (FE), CheeseDanish_14 (FE), Corgi_14 (FE), KNG13_14 (FE), LauKoruNamu_13 (FE), Nebulanyx_14 (FE), Pauu_13 (FE),

Start 5:
• 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: Noely_12 (FE),

Start 6:
• 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_12 (FE),

Start 7:
• 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_12 (FE),

Start 8:
• Found in 5 of 17 (29.4%) of genes in pham
• Manual Annotations of this start: 5 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Berka_15 (FE), Piku_10 (FE), Utopia_10 (FE), Whytu_10 (FE), Yavru_10 (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 6 times for cluster FE.
•Start number 5 was manually annotated 1 time for cluster FE.
•Start number 6 was manually annotated 1 time for cluster FE.
•Start number 7 was manually annotated 1 time for cluster FE.

•Start number 8 was manually annotated 5 times for cluster FE.

Gene Information:

Gene: Berka_15 Start: 9604, Stop: 10713, Start Num: 8
Candidate Starts for Berka_15:
(Start: 8 @9604 has 5 MA's), (15, 9700), (16, 9703), (34, 9883), (36, 9922), (49, 10063), (50, 10075), (51, 10081), (56, 10132), (57, 10135), (58, 10156), (59, 10165), (62, 10198), (68, 10297), (69, 10306), (85, 10585), (86, 10591), (91, 10669), (92, 10675),

Gene: BlueFeather_12 Start: 9166, Stop: 10326, Start Num: 6
Candidate Starts for BlueFeather_12:
(Start: 6 @9166 has 1 MA's), (9, 9178), (13, 9256), (19, 9295), (33, 9448), (36, 9499), (45, 9604), (56, 9709), (59, 9742), (61, 9766), (64, 9784), (71, 9910), (72, 9973), (73, 9982), (76, 10000), (80, 10126), (88, 10243), (91, 10270),

Gene: CabbageMan_12 Start: 10150, Stop: 11286, Start Num: 4
Candidate Starts for CabbageMan_12:
(Start: 4 @10150 has 6 MA's), (12, 10204), (17, 10276), (18, 10279), (22, 10297), (25, 10348), (26, 10357), (27, 10363), (31, 10405), (32, 10411), (37, 10510), (40, 10519), (47, 10606), (48, 10615), (56, 10699), (57, 10702), (69, 10873), (74, 10960), (75, 10963), (79, 11086), (81, 11119), (82, 11122), (83, 11131), (84, 11137), (85, 11158), (87, 11170), (89, 11218), (90, 11227), (91, 11242), (92, 11248),

Gene: CheeseDanish_14 Start: 10308, Stop: 11444, Start Num: 4
Candidate Starts for CheeseDanish_14:
(Start: 4 @10308 has 6 MA's), (12, 10362), (18, 10437), (22, 10455), (25, 10506), (26, 10515), (32, 10569), (37, 10668), (40, 10677), (47, 10764), (48, 10773), (56, 10857), (57, 10860), (69, 11031), (74, 11118), (75, 11121), (79, 11244), (81, 11277), (82, 11280), (83, 11289), (84, 11295), (85, 11316), (87, 11328), (90, 11385), (91, 11400), (92, 11406),

Gene: Corgi_14 Start: 10308, Stop: 11444, Start Num: 4
Candidate Starts for Corgi_14:
(Start: 4 @10308 has 6 MA's), (12, 10362), (18, 10437), (22, 10455), (25, 10506), (26, 10515), (32, 10569), (37, 10668), (40, 10677), (47, 10764), (48, 10773), (56, 10857), (57, 10860), (69, 11031), (74, 11118), (75, 11121), (79, 11244), (81, 11277), (82, 11280), (83, 11289), (84, 11295), (85, 11316), (87, 11328), (90, 11385), (91, 11400), (92, 11406),

Gene: Idaho_12 Start: 10216, Stop: 11331, Start Num: 7
Candidate Starts for Idaho_12:
(1, 10051), (Start: 7 @10216 has 1 MA's), (12, 10261), (17, 10324), (18, 10327), (20, 10339), (22, 10345), (23, 10351), (25, 10396), (28, 10420), (31, 10453), (32, 10459), (37, 10558), (46, 10645), (53, 10702), (54, 10711), (55, 10738), (58, 10771), (60, 10783), (66, 10873), (69, 10921), (72, 10996), (73, 11005), (78, 11131), (83, 11179), (84, 11185), (85, 11206), (87, 11218), (90, 11275), (91, 11290),

Gene: KNG13_14 Start: 10305, Stop: 11441, Start Num: 4
Candidate Starts for KNG13_14:
(Start: 4 @10305 has 6 MA's), (12, 10359), (18, 10434), (22, 10452), (25, 10503), (26, 10512), (32, 10566), (37, 10665), (40, 10674), (47, 10761), (48, 10770), (56, 10854), (57, 10857), (69, 11028), (70, 11037), (74, 11115), (75, 11118), (79, 11241), (81, 11274), (82, 11277), (83, 11286), (84, 11292), (85, 11313), (90, 11382), (91, 11397), (92, 11403),

Gene: LauKoruNamu_13 Start: 10150, Stop: 11286, Start Num: 4
Candidate Starts for LauKoruNamu_13:
(Start: 4 @10150 has 6 MA's), (12, 10204), (17, 10276), (18, 10279), (22, 10297), (25, 10348), (26, 10357), (31, 10405), (32, 10411), (37, 10510), (40, 10519), (47, 10606), (48, 10615), (56, 10699), (57, 10702), (69, 10873), (74, 10960), (75, 10963), (79, 11086), (81, 11119), (82, 11122), (83, 11131), (84, 11137), (85, 11158), (89, 11218), (90, 11227), (91, 11242), (92, 11248),

Gene: Nebulanyx_14 Start: 10305, Stop: 11441, Start Num: 4
Candidate Starts for Nebulanyx_14:
(Start: 4 @10305 has 6 MA's), (12, 10359), (18, 10434), (22, 10452), (25, 10503), (26, 10512), (32, 10566), (37, 10665), (40, 10674), (47, 10761), (48, 10770), (56, 10854), (57, 10857), (69, 11028), (70, 11037), (74, 11115), (75, 11118), (79, 11241), (81, 11274), (82, 11277), (83, 11286), (84, 11292), (85, 11313), (90, 11382), (91, 11397), (92, 11403),

Gene: Noely_12 Start: 9672, Stop: 10802, Start Num: 5
Candidate Starts for Noely_12:
(Start: 5 @9672 has 1 MA's), (12, 9720), (14, 9762), (17, 9792), (18, 9795), (21, 9810), (22, 9813), (27, 9879), (29, 9897), (30, 9909), (31, 9921), (34, 9966), (37, 10026), (43, 10068), (47, 10122), (48, 10131), (60, 10251), (64, 10290), (65, 10332), (68, 10380), (69, 10389), (70, 10398), (72, 10464), (74, 10476), (75, 10479), (77, 10512), (79, 10602), (81, 10635), (82, 10638), (84, 10653), (85, 10674), (87, 10686), (90, 10743), (91, 10758),

Gene: Pauu_13 Start: 10150, Stop: 11286, Start Num: 4
Candidate Starts for Pauu_13:
(Start: 4 @10150 has 6 MA's), (12, 10204), (17, 10276), (18, 10279), (22, 10297), (25, 10348), (26, 10357), (31, 10405), (32, 10411), (37, 10510), (40, 10519), (47, 10606), (48, 10615), (56, 10699), (57, 10702), (69, 10873), (74, 10960), (75, 10963), (79, 11086), (81, 11119), (82, 11122), (83, 11131), (84, 11137), (85, 11158), (89, 11218), (90, 11227), (91, 11242), (92, 11248),

Gene: Piku_10 Start: 9506, Stop: 10633, Start Num: 8
Candidate Starts for Piku_10:
(Start: 8 @9506 has 5 MA's), (24, 9665), (25, 9686), (37, 9857), (42, 9887), (44, 9908), (66, 10175), (84, 10487), (85, 10508), (88, 10565), (91, 10592),

Gene: Utopia_10 Start: 9492, Stop: 10610, Start Num: 8
Candidate Starts for Utopia_10:
(Start: 8 @9492 has 5 MA's), (24, 9651), (25, 9672), (34, 9774), (37, 9834), (63, 10095), (66, 10152), (84, 10464), (85, 10485), (91, 10569),

Gene: Whytu_10 Start: 9461, Stop: 10588, Start Num: 8
Candidate Starts for Whytu_10:
(Start: 8 @9461 has 5 MA's), (24, 9620), (25, 9641), (32, 9713), (37, 9812), (44, 9863), (48, 9917), (58, 10028), (66, 10130), (84, 10442), (85, 10463), (91, 10547),

Gene: Wobbe_14 Start: 10142, Stop: 11248, Start Num: 2
Candidate Starts for Wobbe_14:
(2, 10142), (10, 10181), (11, 10187), (17, 10253), (22, 10274), (29, 10352), (31, 10376), (38, 10487), (39, 10490), (41, 10511), (44, 10535), (48, 10589), (52, 10619), (55, 10661), (56, 10670), (64, 10745), (67, 10808), (72, 10919), (81, 11087), (83, 11099), (91, 11201),

Gene: WorldChangers_10 Start: 9656, Stop: 10804, Start Num: 3
Candidate Starts for WorldChangers_10:

(3, 9656), (12, 9713), (18, 9797), (21, 9812), (31, 9923), (35, 9983), (37, 10028), (68, 10382), (72, 10466), (79, 10604), (81, 10637), (83, 10649), (84, 10655), (85, 10676), (87, 10688), (89, 10736), (91, 10760), (92, 10766),

Gene: Yavru_10 Start: 9494, Stop: 10612, Start Num: 8
Candidate Starts for Yavru_10:
(Start: 8 @9494 has 5 MA's), (17, 9602), (24, 9653), (25, 9674), (37, 9836), (44, 9887), (48, 9941), (63, 10097), (66, 10154), (68, 10193), (84, 10466), (85, 10487), (88, 10544), (91, 10571),