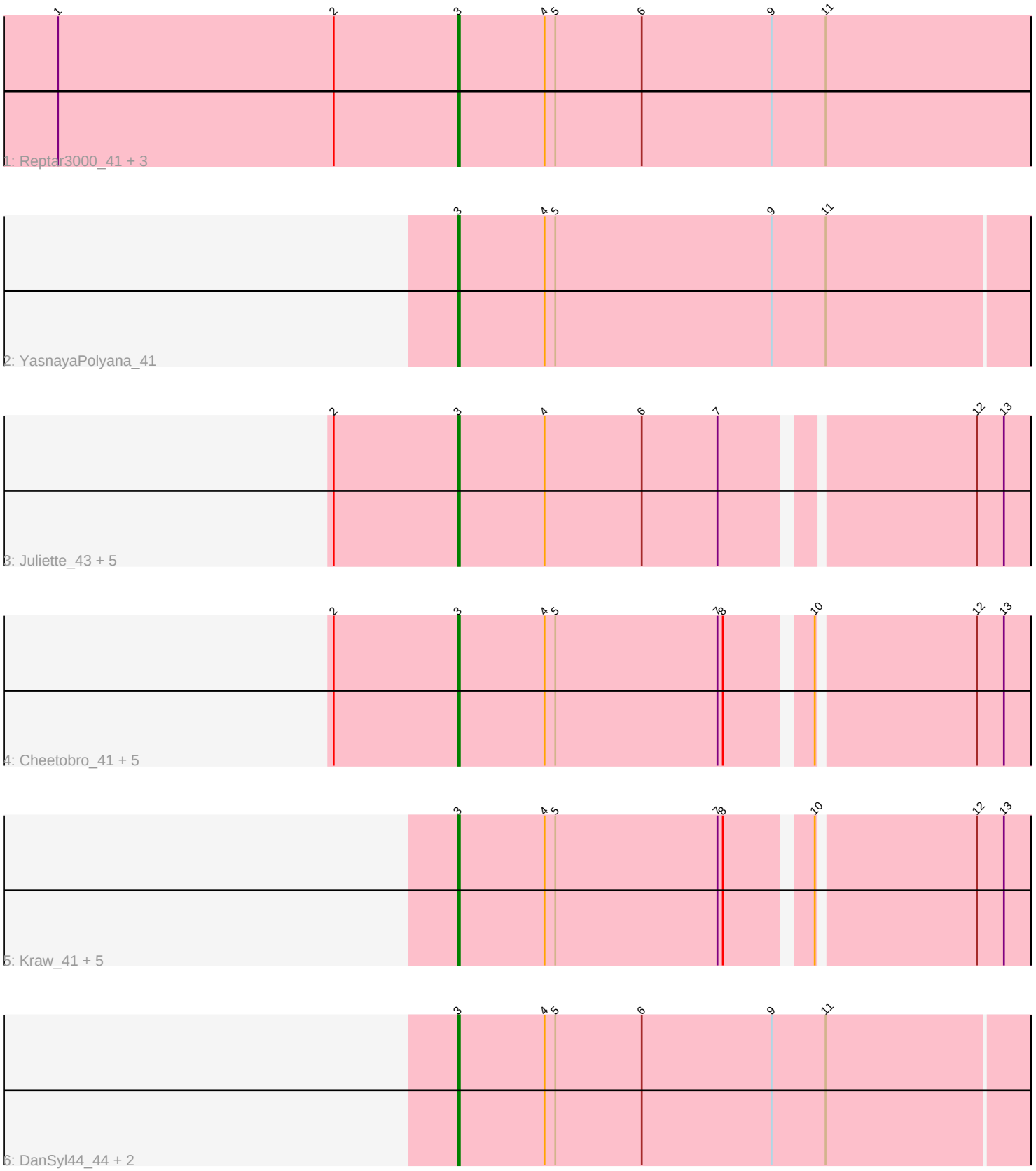
Pham 346071


1
2
3
4
5
6
9
11
1: Reptar3000_41 + 3
3
4
5
9
11
2: YasnayaPolyana_41
2
3
4
6
7
12
13
3: Juliette_43 + 5
2
3
4
5
7
8
10
12
13
4: Cheetobro_41 + 5
3
4
5
7
8
10
12
13
5: Kraw_41 + 5
3
4
5
6
9
11
6: DanSyl44_44 + 2

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 346071 Report

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

Pham number 346071 has 26 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Reptar3000_41, Bobquesha_43, MissDaisy_40, Patt_40
• Track 2 : YasnayaPolyana_41
• Track 3 : Juliette_43, Ruthiejr_42, Y10_40, Nolwazi_42, JF1_41, Y2_40
• Track 4 : Cheetobro_41, Chancellor_41, Fionnbharth_41, Slarp_41, Wintermute_41, Qhanda_42
• Track 5 : Kraw_41, SamScheppers_40, Malthus_42, OmniCritical_40, Eponine_43, Taquito_41
• Track 6 : DanSyl44_44, Lebo14_41, Mitti_41

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 22 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bobquesha_43, Chancellor_41, Cheetobro_41, DanSyl44_44, Eponine_43, Fionnbharth_41, JF1_41, Juliette_43, Kraw_41, Lebo14_41, Malthus_42, MissDaisy_40, Mitti_41, Nolwazi_42, OmniCritical_40, Patt_40, Qhanda_42, Reptar3000_41, Ruthiejr_42, SamScheppers_40, Slarp_41, Taquito_41, Wintermute_41, Y10_40, Y2_40, YasnayaPolyana_41,

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

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

Summary by start number:

Start 3:
• Found in 26 of 26 (100.0%) of genes in pham
• Manual Annotations of this start: 22 of 22
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Bobquesha_43 (K4), Chancellor_41 (K4), Cheetobro_41 (K4), DanSyl44_44 (K4), Eponine_43 (K4), Fionnbharth_41 (K4), JF1_41 (K4), Juliette_43 (K4), Kraw_41 (K4), Lebo14_41 (K4), Malthus_42 (K4), MissDaisy_40 (K4), Mitti_41 (K4), Nolwazi_42 (K4), OmniCritical_40 (K4), Patt_40 (K4), Qhanda_42 (K4), Reptar3000_41 (K4), Ruthiejr_42 (K4), SamScheppers_40 (K4), Slarp_41 (K4), Taquito_41 (K4), Wintermute_41 (K4), Y10_40 (K4), Y2_40 (K4), YasnayaPolyana_41 (K4),

Summary by clusters:

There is one cluster represented in this pham: K4

Info for manual annotations of cluster K4:
•Start number 3 was manually annotated 22 times for cluster K4.

Gene Information:

Gene: Bobquesha_43 Start: 31448, Stop: 31762, Start Num: 3
Candidate Starts for Bobquesha_43:
(1, 31226), (2, 31379), (Start: 3 @31448 has 22 MA's), (4, 31496), (5, 31502), (6, 31550), (9, 31622), (11, 31652),

Gene: Chancellor_41 Start: 31723, Stop: 32025, Start Num: 3
Candidate Starts for Chancellor_41:
(2, 31654), (Start: 3 @31723 has 22 MA's), (4, 31771), (5, 31777), (7, 31867), (8, 31870), (10, 31912), (12, 31996), (13, 32011),

Gene: Cheetobro_41 Start: 31720, Stop: 32022, Start Num: 3
Candidate Starts for Cheetobro_41:
(2, 31651), (Start: 3 @31720 has 22 MA's), (4, 31768), (5, 31774), (7, 31864), (8, 31867), (10, 31909), (12, 31993), (13, 32008),

Gene: DanSyl44_44 Start: 32589, Stop: 32903, Start Num: 3
Candidate Starts for DanSyl44_44:
(Start: 3 @32589 has 22 MA's), (4, 32637), (5, 32643), (6, 32691), (9, 32763), (11, 32793),

Gene: Eponine_43 Start: 32476, Stop: 32778, Start Num: 3
Candidate Starts for Eponine_43:
(Start: 3 @32476 has 22 MA's), (4, 32524), (5, 32530), (7, 32620), (8, 32623), (10, 32665), (12, 32749), (13, 32764),

Gene: Fionnbharth_41 Start: 31711, Stop: 32013, Start Num: 3
Candidate Starts for Fionnbharth_41:
(2, 31642), (Start: 3 @31711 has 22 MA's), (4, 31759), (5, 31765), (7, 31855), (8, 31858), (10, 31900), (12, 31984), (13, 31999),

Gene: JF1_41 Start: 31709, Stop: 32011, Start Num: 3
Candidate Starts for JF1_41:
(2, 31640), (Start: 3 @31709 has 22 MA's), (4, 31757), (6, 31811), (7, 31853), (12, 31982), (13, 31997),

Gene: Juliette_43 Start: 31868, Stop: 32170, Start Num: 3

Candidate Starts for Juliette_43:
(2, 31799), (Start: 3 @31868 has 22 MA's), (4, 31916), (6, 31970), (7, 32012), (12, 32141), (13, 32156),

Gene: Kraw_41 Start: 31635, Stop: 31937, Start Num: 3
Candidate Starts for Kraw_41:
(Start: 3 @31635 has 22 MA's), (4, 31683), (5, 31689), (7, 31779), (8, 31782), (10, 31824), (12, 31908), (13, 31923),

Gene: Lebo14_41 Start: 31724, Stop: 32038, Start Num: 3
Candidate Starts for Lebo14_41:
(Start: 3 @31724 has 22 MA's), (4, 31772), (5, 31778), (6, 31826), (9, 31898), (11, 31928),

Gene: Malthus_42 Start: 31635, Stop: 31937, Start Num: 3
Candidate Starts for Malthus_42:
(Start: 3 @31635 has 22 MA's), (4, 31683), (5, 31689), (7, 31779), (8, 31782), (10, 31824), (12, 31908), (13, 31923),

Gene: MissDaisy_40 Start: 31463, Stop: 31777, Start Num: 3
Candidate Starts for MissDaisy_40:
(1, 31241), (2, 31394), (Start: 3 @31463 has 22 MA's), (4, 31511), (5, 31517), (6, 31565), (9, 31637), (11, 31667),

Gene: Mitti_41 Start: 31636, Stop: 31950, Start Num: 3
Candidate Starts for Mitti_41:
(Start: 3 @31636 has 22 MA's), (4, 31684), (5, 31690), (6, 31738), (9, 31810), (11, 31840),

Gene: Nolwazi_42 Start: 31635, Stop: 31937, Start Num: 3
Candidate Starts for Nolwazi_42:
(2, 31566), (Start: 3 @31635 has 22 MA's), (4, 31683), (6, 31737), (7, 31779), (12, 31908), (13, 31923),

Gene: OmniCritical_40 Start: 31620, Stop: 31922, Start Num: 3
Candidate Starts for OmniCritical_40:
(Start: 3 @31620 has 22 MA's), (4, 31668), (5, 31674), (7, 31764), (8, 31767), (10, 31809), (12, 31893), (13, 31908),

Gene: Patt_40 Start: 31439, Stop: 31756, Start Num: 3
Candidate Starts for Patt_40:
(1, 31217), (2, 31370), (Start: 3 @31439 has 22 MA's), (4, 31487), (5, 31493), (6, 31541), (9, 31613), (11, 31643),

Gene: Qhanda_42 Start: 31732, Stop: 32034, Start Num: 3
Candidate Starts for Qhanda_42:
(2, 31663), (Start: 3 @31732 has 22 MA's), (4, 31780), (5, 31786), (7, 31876), (8, 31879), (10, 31921), (12, 32005), (13, 32020),

Gene: Reptar3000_41 Start: 31430, Stop: 31747, Start Num: 3
Candidate Starts for Reptar3000_41:
(1, 31208), (2, 31361), (Start: 3 @31430 has 22 MA's), (4, 31478), (5, 31484), (6, 31532), (9, 31604), (11, 31634),

Gene: Ruthiejr_42 Start: 31600, Stop: 31902, Start Num: 3
Candidate Starts for Ruthiejr_42:
(2, 31531), (Start: 3 @31600 has 22 MA's), (4, 31648), (6, 31702), (7, 31744), (12, 31873), (13, 31888),

Gene: SamScheppers_40 Start: 32114, Stop: 32416, Start Num: 3
Candidate Starts for SamScheppers_40:
(Start: 3 @32114 has 22 MA's), (4, 32162), (5, 32168), (7, 32258), (8, 32261), (10, 32303), (12, 32387), (13, 32402),

Gene: Slarp_41 Start: 31723, Stop: 32025, Start Num: 3
Candidate Starts for Slarp_41:
(2, 31654), (Start: 3 @31723 has 22 MA's), (4, 31771), (5, 31777), (7, 31867), (8, 31870), (10, 31912), (12, 31996), (13, 32011),

Gene: Taquito_41 Start: 32109, Stop: 32411, Start Num: 3
Candidate Starts for Taquito_41:
(Start: 3 @32109 has 22 MA's), (4, 32157), (5, 32163), (7, 32253), (8, 32256), (10, 32298), (12, 32382), (13, 32397),

Gene: Wintermute_41 Start: 31709, Stop: 32011, Start Num: 3
Candidate Starts for Wintermute_41:
(2, 31640), (Start: 3 @31709 has 22 MA's), (4, 31757), (5, 31763), (7, 31853), (8, 31856), (10, 31898), (12, 31982), (13, 31997),

Gene: Y10_40 Start: 31709, Stop: 32011, Start Num: 3
Candidate Starts for Y10_40:
(2, 31640), (Start: 3 @31709 has 22 MA's), (4, 31757), (6, 31811), (7, 31853), (12, 31982), (13, 31997),

Gene: Y2_40 Start: 31709, Stop: 32011, Start Num: 3
Candidate Starts for Y2_40:
(2, 31640), (Start: 3 @31709 has 22 MA's), (4, 31757), (6, 31811), (7, 31853), (12, 31982), (13, 31997),

Gene: YasnayaPolyana_41 Start: 31711, Stop: 32025, Start Num: 3
Candidate Starts for YasnayaPolyana_41:
(Start: 3 @31711 has 22 MA's), (4, 31759), (5, 31765), (9, 31885), (11, 31915),