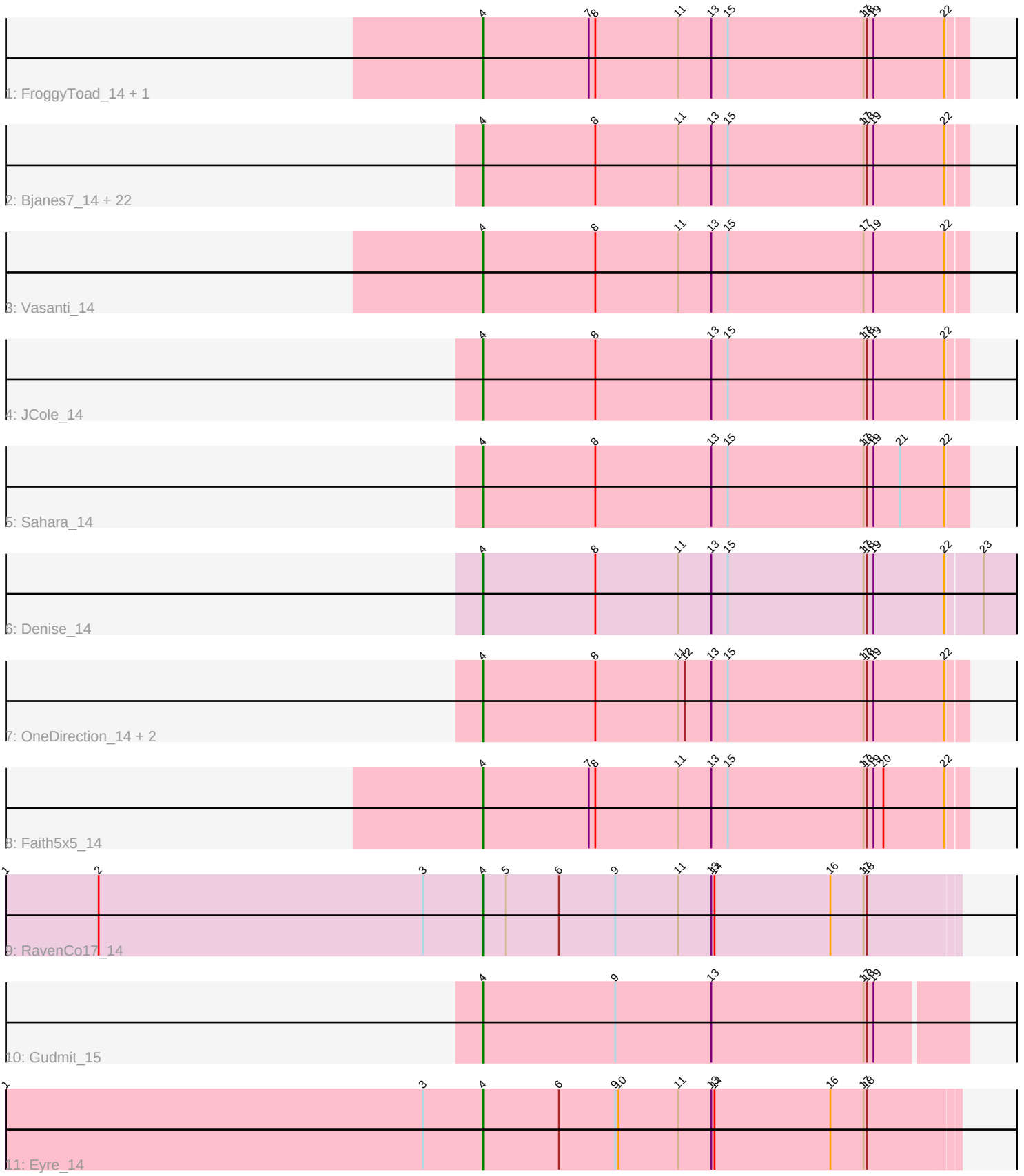
Pham 342367


1: FroggyToad_14 + 1
2: Bjanes7_14 + 22
3: Vasanti_14
4: JCole_14
5: Sahara_14
6: Denise_14
7: OneDirection_14 + 2
8: Faith5x5_14
9: RavenCo17_14
10: Gudmit_15
11: Eyre_14

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 342367 Report

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

Pham number 342367 has 36 members, 3 are drafts.

Phages represented in each track:
• Track 1 : FroggyToad_14, Moosehead_14
• Track 2 : Bjanes7_14, Mocha12_14, EdnaMode_14, Whiteclaw_14, Savage_14, Matteo_14, Pickett_14, Clap_14, SoilAssassin_14, Haley23_14, Jalleen_15, GemG_14, Cynthia_14, TuertoX_14, Lamberg_14, Nettuno_14, LordFarquaad_14, Ebert_14, Gizermo_14, Yeet412_14, Yinzer_14, Sproutie_14, Attis_14
• Track 3 : Vasanti_14
• Track 4 : JCole_14
• Track 5 : Sahara_14
• Track 6 : Denise_14
• Track 7 : OneDirection_14, Pepperoni_14, Lton_14
• Track 8 : Faith5x5_14
• Track 9 : RavenCo17_14
• Track 10 : Gudmit_15
• Track 11 : Eyre_14

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 33 of the 33 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Attis_14, Bjanes7_14, Clap_14, Cynthia_14, Denise_14, Ebert_14, EdnaMode_14, Eyre_14, Faith5x5_14, FroggyToad_14, GemG_14, Gizermo_14, Gudmit_15, Haley23_14, JCole_14, Jalleen_15, Lamberg_14, LordFarquaad_14, Lton_14, Matteo_14, Mocha12_14, Moosehead_14, Nettuno_14, OneDirection_14, Pepperoni_14, Pickett_14, RavenCo17_14, Sahara_14, Savage_14, SoilAssassin_14, Sproutie_14, TuertoX_14, Vasanti_14, Whiteclaw_14, Yeet412_14, Yinzer_14,

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 4:
• Found in 36 of 36 (100.0%) of genes in pham
• Manual Annotations of this start: 33 of 33
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Attis_14 (CZ2), Bjanes7_14 (CZ2), Clap_14 (CZ2), Cynthia_14 (CZ2), Denise_14 (CZ5), Ebert_14 (CZ2), EdnaMode_14 (CZ2), Eyre_14 (singleton), Faith5x5_14 (CZ6), FroggyToad_14 (CZ2), GemG_14 (CZ2), Gizermo_14 (CZ2), Gudmit_15 (singleton), Haley23_14 (CZ2), JCole_14 (CZ2), Jalleen_15 (CZ2), Lamberg_14 (CZ2), LordFarquaad_14 (CZ2), Lton_14 (CZ), Matteo_14 (CZ2), Mocha12_14 (CZ2), Moosehead_14 (CZ6), Nettuno_14 (CZ2), OneDirection_14 (CZ6), Pepperoni_14 (CZ), Pickett_14 (CZ2), RavenCo17_14 (CZ8), Sahara_14 (CZ2), Savage_14 (CZ2), SoilAssassin_14 (CZ2), Sproutie_14 (CZ2), TuertoX_14 (CZ2), Vasanti_14 (CZ2), Whiteclaw_14 (CZ2), Yeet412_14 (CZ2), Yinzer_14 (CZ2),

Summary by clusters:

There are 6 clusters represented in this pham: CZ8, CZ2, CZ6, singleton, CZ5, CZ,

Info for manual annotations of cluster CZ:
•Start number 4 was manually annotated 2 times for cluster CZ.

Info for manual annotations of cluster CZ2:
•Start number 4 was manually annotated 24 times for cluster CZ2.

Info for manual annotations of cluster CZ5:
•Start number 4 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster CZ6:
•Start number 4 was manually annotated 3 times for cluster CZ6.

Info for manual annotations of cluster CZ8:
•Start number 4 was manually annotated 1 time for cluster CZ8.

Gene Information:

Gene: Attis_14 Start: 9070, Stop: 9504, Start Num: 4
Candidate Starts for Attis_14:
(Start: 4 @9070 has 33 MA's), (8, 9172), (11, 9247), (13, 9277), (15, 9292), (17, 9415), (18, 9418), (19, 9424), (22, 9487),

Gene: Bjanes7_14 Start: 9070, Stop: 9504, Start Num: 4
Candidate Starts for Bjanes7_14:
(Start: 4 @9070 has 33 MA's), (8, 9172), (11, 9247), (13, 9277), (15, 9292), (17, 9415), (18, 9418), (19, 9424), (22, 9487),

Gene: Clap_14 Start: 9137, Stop: 9571, Start Num: 4
Candidate Starts for Clap_14:

(Start: 4 @9137 has 33 MA's), (8, 9239), (11, 9314), (13, 9344), (15, 9359), (17, 9482), (18, 9485), (19, 9491), (22, 9554),

Gene: Cynthia_14 Start: 9137, Stop: 9571, Start Num: 4
Candidate Starts for Cynthia_14:
(Start: 4 @9137 has 33 MA's), (8, 9239), (11, 9314), (13, 9344), (15, 9359), (17, 9482), (18, 9485), (19, 9491), (22, 9554),

Gene: Denise_14 Start: 9083, Stop: 9601, Start Num: 4
Candidate Starts for Denise_14:
(Start: 4 @9083 has 33 MA's), (8, 9185), (11, 9260), (13, 9290), (15, 9305), (17, 9428), (18, 9431), (19, 9437), (22, 9500), (23, 9530),

Gene: Ebert_14 Start: 9137, Stop: 9571, Start Num: 4
Candidate Starts for Ebert_14:
(Start: 4 @9137 has 33 MA's), (8, 9239), (11, 9314), (13, 9344), (15, 9359), (17, 9482), (18, 9485), (19, 9491), (22, 9554),

Gene: EdnaMode_14 Start: 9070, Stop: 9504, Start Num: 4
Candidate Starts for EdnaMode_14:
(Start: 4 @9070 has 33 MA's), (8, 9172), (11, 9247), (13, 9277), (15, 9292), (17, 9415), (18, 9418), (19, 9424), (22, 9487),

Gene: Eyre_14 Start: 9759, Stop: 10187, Start Num: 4
Candidate Starts for Eyre_14:
(1, 9327), (3, 9705), (Start: 4 @9759 has 33 MA's), (6, 9828), (9, 9879), (10, 9882), (11, 9936), (13, 9966), (14, 9969), (16, 10074), (17, 10104), (18, 10107),

Gene: Faith5x5_14 Start: 9042, Stop: 9476, Start Num: 4
Candidate Starts for Faith5x5_14:
(Start: 4 @9042 has 33 MA's), (7, 9138), (8, 9144), (11, 9219), (13, 9249), (15, 9264), (17, 9387), (18, 9390), (19, 9396), (20, 9405), (22, 9459),

Gene: FroggyToad_14 Start: 9086, Stop: 9520, Start Num: 4
Candidate Starts for FroggyToad_14:
(Start: 4 @9086 has 33 MA's), (7, 9182), (8, 9188), (11, 9263), (13, 9293), (15, 9308), (17, 9431), (18, 9434), (19, 9440), (22, 9503),

Gene: GemG_14 Start: 9137, Stop: 9571, Start Num: 4
Candidate Starts for GemG_14:
(Start: 4 @9137 has 33 MA's), (8, 9239), (11, 9314), (13, 9344), (15, 9359), (17, 9482), (18, 9485), (19, 9491), (22, 9554),

Gene: Gizermo_14 Start: 9137, Stop: 9571, Start Num: 4
Candidate Starts for Gizermo_14:
(Start: 4 @9137 has 33 MA's), (8, 9239), (11, 9314), (13, 9344), (15, 9359), (17, 9482), (18, 9485), (19, 9491), (22, 9554),

Gene: Gudmit_15 Start: 9859, Stop: 10293, Start Num: 4
Candidate Starts for Gudmit_15:
(Start: 4 @9859 has 33 MA's), (9, 9979), (13, 10066), (17, 10204), (18, 10207), (19, 10213),

Gene: Haley23_14 Start: 9137, Stop: 9571, Start Num: 4

Candidate Starts for Haley23_14:
(Start: 4 @9137 has 33 MA's), (8, 9239), (11, 9314), (13, 9344), (15, 9359), (17, 9482), (18, 9485), (19, 9491), (22, 9554),

Gene: JCole_14 Start: 9137, Stop: 9571, Start Num: 4
Candidate Starts for JCole_14:
(Start: 4 @9137 has 33 MA's), (8, 9239), (13, 9344), (15, 9359), (17, 9482), (18, 9485), (19, 9491), (22, 9554),

Gene: Jalleen_15 Start: 9070, Stop: 9504, Start Num: 4
Candidate Starts for Jalleen_15:
(Start: 4 @9070 has 33 MA's), (8, 9172), (11, 9247), (13, 9277), (15, 9292), (17, 9415), (18, 9418), (19, 9424), (22, 9487),

Gene: Lamberg_14 Start: 9070, Stop: 9504, Start Num: 4
Candidate Starts for Lamberg_14:
(Start: 4 @9070 has 33 MA's), (8, 9172), (11, 9247), (13, 9277), (15, 9292), (17, 9415), (18, 9418), (19, 9424), (22, 9487),

Gene: LordFarquaad_14 Start: 9070, Stop: 9504, Start Num: 4
Candidate Starts for LordFarquaad_14:
(Start: 4 @9070 has 33 MA's), (8, 9172), (11, 9247), (13, 9277), (15, 9292), (17, 9415), (18, 9418), (19, 9424), (22, 9487),

Gene: Lton_14 Start: 9099, Stop: 9533, Start Num: 4
Candidate Starts for Lton_14:
(Start: 4 @9099 has 33 MA's), (8, 9201), (11, 9276), (12, 9282), (13, 9306), (15, 9321), (17, 9444), (18, 9447), (19, 9453), (22, 9516),

Gene: Matteo_14 Start: 9070, Stop: 9504, Start Num: 4
Candidate Starts for Matteo_14:
(Start: 4 @9070 has 33 MA's), (8, 9172), (11, 9247), (13, 9277), (15, 9292), (17, 9415), (18, 9418), (19, 9424), (22, 9487),

Gene: Mocha12_14 Start: 9137, Stop: 9571, Start Num: 4
Candidate Starts for Mocha12_14:
(Start: 4 @9137 has 33 MA's), (8, 9239), (11, 9314), (13, 9344), (15, 9359), (17, 9482), (18, 9485), (19, 9491), (22, 9554),

Gene: Moosehead_14 Start: 9045, Stop: 9479, Start Num: 4
Candidate Starts for Moosehead_14:
(Start: 4 @9045 has 33 MA's), (7, 9141), (8, 9147), (11, 9222), (13, 9252), (15, 9267), (17, 9390), (18, 9393), (19, 9399), (22, 9462),

Gene: Nettuno_14 Start: 9070, Stop: 9504, Start Num: 4
Candidate Starts for Nettuno_14:
(Start: 4 @9070 has 33 MA's), (8, 9172), (11, 9247), (13, 9277), (15, 9292), (17, 9415), (18, 9418), (19, 9424), (22, 9487),

Gene: OneDirection_14 Start: 9043, Stop: 9477, Start Num: 4
Candidate Starts for OneDirection_14:
(Start: 4 @9043 has 33 MA's), (8, 9145), (11, 9220), (12, 9226), (13, 9250), (15, 9265), (17, 9388), (18, 9391), (19, 9397), (22, 9460),

Gene: Pepperoni_14 Start: 9393, Stop: 9827, Start Num: 4
Candidate Starts for Pepperoni_14:
(Start: 4 @9393 has 33 MA's), (8, 9495), (11, 9570), (12, 9576), (13, 9600), (15, 9615), (17, 9738), (18, 9741), (19, 9747), (22, 9810),

Gene: Pickett_14 Start: 9070, Stop: 9504, Start Num: 4
Candidate Starts for Pickett_14:
(Start: 4 @9070 has 33 MA's), (8, 9172), (11, 9247), (13, 9277), (15, 9292), (17, 9415), (18, 9418), (19, 9424), (22, 9487),

Gene: RavenCo17_14 Start: 9940, Stop: 10368, Start Num: 4
Candidate Starts for RavenCo17_14:
(1, 9508), (2, 9592), (3, 9886), (Start: 4 @9940 has 33 MA's), (5, 9961), (6, 10009), (9, 10060), (11, 10117), (13, 10147), (14, 10150), (16, 10255), (17, 10285), (18, 10288),

Gene: Sahara_14 Start: 9154, Stop: 9591, Start Num: 4
Candidate Starts for Sahara_14:
(Start: 4 @9154 has 33 MA's), (8, 9256), (13, 9361), (15, 9376), (17, 9499), (18, 9502), (19, 9508), (21, 9532), (22, 9571),

Gene: Savage_14 Start: 9137, Stop: 9571, Start Num: 4
Candidate Starts for Savage_14:
(Start: 4 @9137 has 33 MA's), (8, 9239), (11, 9314), (13, 9344), (15, 9359), (17, 9482), (18, 9485), (19, 9491), (22, 9554),

Gene: SoilAssassin_14 Start: 9070, Stop: 9504, Start Num: 4
Candidate Starts for SoilAssassin_14:
(Start: 4 @9070 has 33 MA's), (8, 9172), (11, 9247), (13, 9277), (15, 9292), (17, 9415), (18, 9418), (19, 9424), (22, 9487),

Gene: Sproutie_14 Start: 9137, Stop: 9571, Start Num: 4
Candidate Starts for Sproutie_14:
(Start: 4 @9137 has 33 MA's), (8, 9239), (11, 9314), (13, 9344), (15, 9359), (17, 9482), (18, 9485), (19, 9491), (22, 9554),

Gene: TuertoX_14 Start: 9137, Stop: 9571, Start Num: 4
Candidate Starts for TuertoX_14:
(Start: 4 @9137 has 33 MA's), (8, 9239), (11, 9314), (13, 9344), (15, 9359), (17, 9482), (18, 9485), (19, 9491), (22, 9554),

Gene: Vasanti_14 Start: 9086, Stop: 9520, Start Num: 4
Candidate Starts for Vasanti_14:
(Start: 4 @9086 has 33 MA's), (8, 9188), (11, 9263), (13, 9293), (15, 9308), (17, 9431), (19, 9440), (22, 9503),

Gene: Whiteclaw_14 Start: 9137, Stop: 9571, Start Num: 4
Candidate Starts for Whiteclaw_14:
(Start: 4 @9137 has 33 MA's), (8, 9239), (11, 9314), (13, 9344), (15, 9359), (17, 9482), (18, 9485), (19, 9491), (22, 9554),

Gene: Yeet412_14 Start: 9070, Stop: 9504, Start Num: 4
Candidate Starts for Yeet412_14:

(Start: 4 @9070 has 33 MA's), (8, 9172), (11, 9247), (13, 9277), (15, 9292), (17, 9415), (18, 9418), (19, 9424), (22, 9487),

Gene: Yinzer_14 Start: 9137, Stop: 9571, Start Num: 4
Candidate Starts for Yinzer_14:
(Start: 4 @9137 has 33 MA's), (8, 9239), (11, 9314), (13, 9344), (15, 9359), (17, 9482), (18, 9485), (19, 9491), (22, 9554),