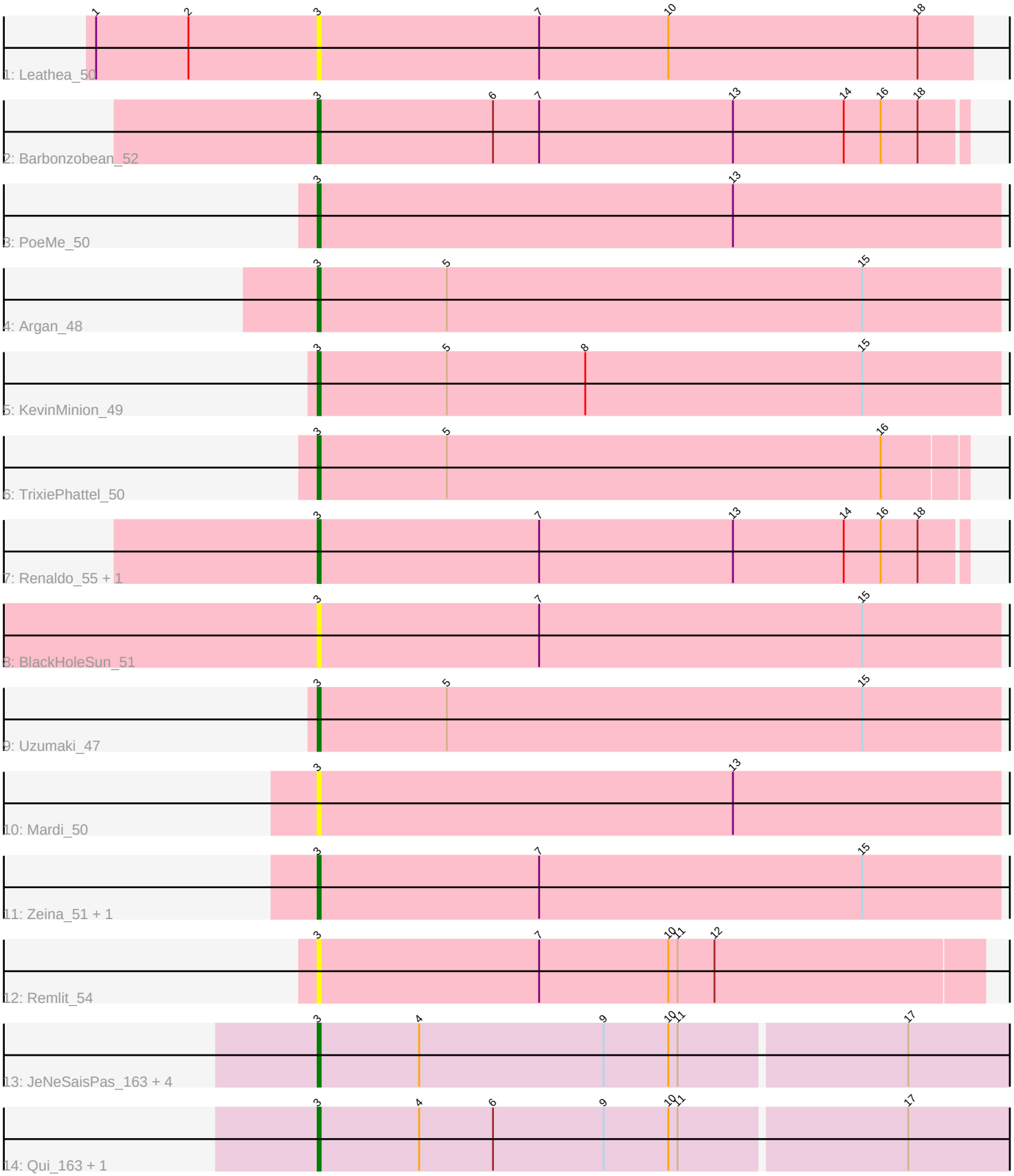
Pham 346166


1: Leathea_50
2: Barbonzobean_52
3: PoeMe_50
4: Argan_48
5: KevinMinion_49
6: TrixiePhattel_50
7: Renaldo_55 + 1
8: BlackHoleSun_51
9: Uzumaki_47
10: Mardi_50
11: Zeina_51 + 1
12: Remlit_54
13: JeNeSaisPas_163 + 4
14: Qui_163 + 1

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 346166 Report

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

Pham number 346166 has 21 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Leathea_50
• Track 2 : Barbonzobean_52
• Track 3 : PoeMe_50
• Track 4 : Argan_48
• Track 5 : KevinMinion_49
• Track 6 : TrixiePhattel_50
• Track 7 : Renaldo_55, Lewando_52
• Track 8 : BlackHoleSun_51
• Track 9 : Uzumaki_47
• Track 10 : Mardi_50
• Track 11 : Zeina_51, Tenney120_51
• Track 12 : Remlit_54
• Track 13 : JeNeSaisPas_163, Kureo_158, Gandionco_159, Elver_163, Marianna39_159
• Track 14 : Qui_163, Paella_163

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 13 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Argan_48, Barbonzobean_52, BlackHoleSun_51, Elver_163, Gandionco_159, JeNeSaisPas_163, KevinMinion_49, Kureo_158, Leathea_50, Lewando_52, Mardi_50, Marianna39_159, Paella_163, PoeMe_50, Qui_163, Remlit_54, Renaldo_55, Tenney120_51, TrixiePhattel_50, Uzumaki_47, Zeina_51,

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 21 of 21 (100.0%) of genes in pham
• Manual Annotations of this start: 13 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Argan_48 (AU6), Barbonzobean_52 (AU6), BlackHoleSun_51 (AU6), Elver_163 (FK), Gandionco_159 (FK), JeNeSaisPas_163 (FK), KevinMinion_49 (AU6), Kureo_158 (FK), Leathea_50 (AU6), Lewando_52 (AU6), Mardi_50 (AU6), Marianna39_159 (FK), Paella_163 (FK), PoeMe_50 (AU6), Qui_163 (FK), Remlit_54 (AU6), Renaldo_55 (AU6), Tenney120_51 (AU6), TrixiePhattel_50 (AU6), Uzumaki_47 (AU6), Zeina_51 (AU6),

Summary by clusters:

There are 2 clusters represented in this pham: FK, AU6,

Info for manual annotations of cluster AU6:
•Start number 3 was manually annotated 9 times for cluster AU6.

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

Gene Information:

Gene: Argan_48 Start: 33040, Stop: 33261, Start Num: 3
Candidate Starts for Argan_48:
(Start: 3 @33040 has 13 MA's), (5, 33082), (15, 33217),

Gene: Barbonzobean_52 Start: 34940, Stop: 35149, Start Num: 3
Candidate Starts for Barbonzobean_52:
(Start: 3 @34940 has 13 MA's), (6, 34997), (7, 35012), (13, 35075), (14, 35111), (16, 35123), (18, 35135),

Gene: BlackHoleSun_51 Start: 33165, Stop: 33386, Start Num: 3
Candidate Starts for BlackHoleSun_51:
(Start: 3 @33165 has 13 MA's), (7, 33237), (15, 33342),

Gene: Elver_163 Start: 81364, Stop: 81597, Start Num: 3
Candidate Starts for Elver_163:
(Start: 3 @81364 has 13 MA's), (4, 81397), (9, 81457), (10, 81478), (11, 81481), (17, 81553),

Gene: Gandionco_159 Start: 80444, Stop: 80677, Start Num: 3
Candidate Starts for Gandionco_159:
(Start: 3 @80444 has 13 MA's), (4, 80477), (9, 80537), (10, 80558), (11, 80561), (17, 80633),

Gene: JeNeSaisPas_163 Start: 81040, Stop: 81273, Start Num: 3
Candidate Starts for JeNeSaisPas_163:
(Start: 3 @81040 has 13 MA's), (4, 81073), (9, 81133), (10, 81154), (11, 81157), (17, 81229),

Gene: KevinMinion_49 Start: 33991, Stop: 34212, Start Num: 3
Candidate Starts for KevinMinion_49:

(Start: 3 @33991 has 13 MA's), (5, 34033), (8, 34078), (15, 34168),

Gene: Kureo_158 Start: 80539, Stop: 80772, Start Num: 3
Candidate Starts for Kureo_158:
(Start: 3 @80539 has 13 MA's), (4, 80572), (9, 80632), (10, 80653), (11, 80656), (17, 80728),

Gene: Leathea_50 Start: 33107, Stop: 33319, Start Num: 3
Candidate Starts for Leathea_50:
(1, 33035), (2, 33065), (Start: 3 @33107 has 13 MA's), (7, 33179), (10, 33221), (18, 33302),

Gene: Lewando_52 Start: 34682, Stop: 34891, Start Num: 3
Candidate Starts for Lewando_52:
(Start: 3 @34682 has 13 MA's), (7, 34754), (13, 34817), (14, 34853), (16, 34865), (18, 34877),

Gene: Mardi_50 Start: 33566, Stop: 33787, Start Num: 3
Candidate Starts for Mardi_50:
(Start: 3 @33566 has 13 MA's), (13, 33701),

Gene: Marianna39_159 Start: 81049, Stop: 81282, Start Num: 3
Candidate Starts for Marianna39_159:
(Start: 3 @81049 has 13 MA's), (4, 81082), (9, 81142), (10, 81163), (11, 81166), (17, 81238),

Gene: Paella_163 Start: 82235, Stop: 82468, Start Num: 3
Candidate Starts for Paella_163:
(Start: 3 @82235 has 13 MA's), (4, 82268), (6, 82292), (9, 82328), (10, 82349), (11, 82352), (17, 82424),

Gene: PoeMe_50 Start: 33733, Stop: 33954, Start Num: 3
Candidate Starts for PoeMe_50:
(Start: 3 @33733 has 13 MA's), (13, 33868),

Gene: Qui_163 Start: 82235, Stop: 82468, Start Num: 3
Candidate Starts for Qui_163:
(Start: 3 @82235 has 13 MA's), (4, 82268), (6, 82292), (9, 82328), (10, 82349), (11, 82352), (17, 82424),

Gene: Remlit_54 Start: 33665, Stop: 33880, Start Num: 3
Candidate Starts for Remlit_54:
(Start: 3 @33665 has 13 MA's), (7, 33737), (10, 33779), (11, 33782), (12, 33794),

Gene: Renaldo_55 Start: 34991, Stop: 35200, Start Num: 3
Candidate Starts for Renaldo_55:
(Start: 3 @34991 has 13 MA's), (7, 35063), (13, 35126), (14, 35162), (16, 35174), (18, 35186),

Gene: Tenney120_51 Start: 33775, Stop: 33996, Start Num: 3
Candidate Starts for Tenney120_51:
(Start: 3 @33775 has 13 MA's), (7, 33847), (15, 33952),

Gene: TrixiePhattel_50 Start: 33138, Stop: 33347, Start Num: 3
Candidate Starts for TrixiePhattel_50:
(Start: 3 @33138 has 13 MA's), (5, 33180), (16, 33321),

Gene: Uzumaki_47 Start: 33233, Stop: 33454, Start Num: 3

Candidate Starts for Uzumaki_47:
(Start: 3 @33233 has 13 MA's), (5, 33275), (15, 33410),

Gene: Zeina_51 Start: 33783, Stop: 34004, Start Num: 3
Candidate Starts for Zeina_51:
(Start: 3 @33783 has 13 MA's), (7, 33855), (15, 33960),