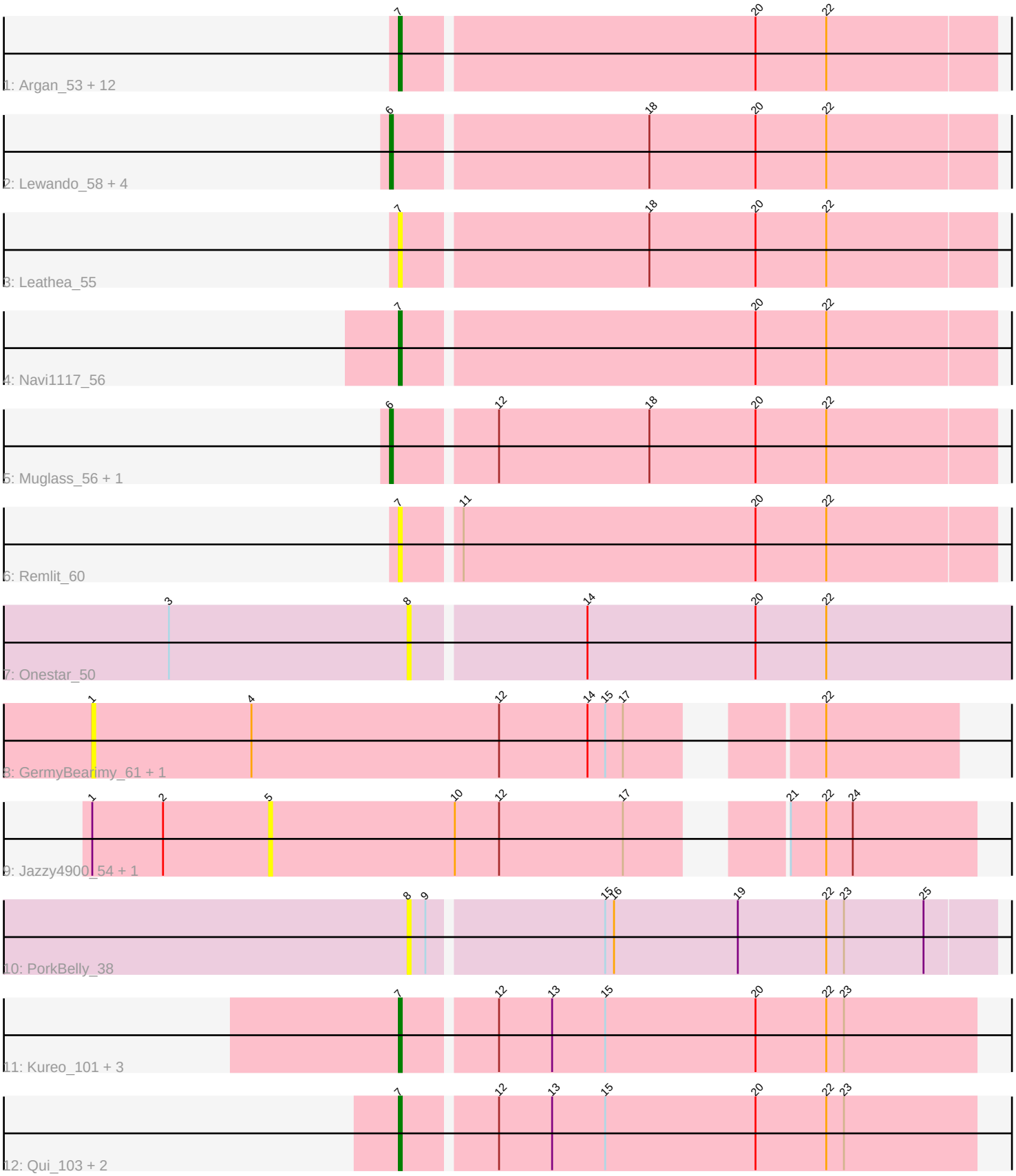
Pham 347833


7
20
22
1: Argan_53 + 12
6
18
20
22
2: Lewando_58 + 4
7
18
20
22
3: Leathea_55
7
20
22
4: Navi1117_56
6
12
18
20
22
5: Muglass_56 + 1
7
11
20
22
6: Remlit_60
3
8
14
20
22
7: Onestar_50
1
4
12
14
15
17
22
8: GermyBearimy_61 + 1
1
2
5
10
12
17
21
22
24
9: Jazzy4900_54 + 1
8
9
15
16
19
22
23
25
10: PorkBelly_38
7
12
13
15
20
22
23
11: Kureo_101 + 3
7
12
13
15
20
22
23
12: Qui_103 + 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 347833 Report

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

Pham number 347833 has 36 members, 16 are drafts.

Phages represented in each track:
• Track 1 : Argan_53, Altjira_57, PoeMe_55, Zeina_56, KevinMinion_54, BlackHoleSun_57, Tenney120_56, Mardi_55, Phaila_56, TrixiePhattel_56, Stardrop_55, Uzumaki_52, GantcherGoblin_53
• Track 2 : Lewando_58, BarbieDoll_59, Renaldo_61, Kinny_58, Barbonzobean_58
• Track 3 : Leathea_55
• Track 4 : Navi1117_56
• Track 5 : Muglass_56, Biscute_55
• Track 6 : Remlit_60
• Track 7 : Onestar_50
• Track 8 : GermyBearimy_61, Arzan_55
• Track 9 : Jazzy4900_54, Sunny4976_53
• Track 10 : PorkBelly_38
• Track 11 : Kureo_101, Gandionco_100, Marianna39_101, JeNeSaisPas_100
• Track 12 : Qui_103, Elver_103, Paella_103

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

The start number called the most often in the published annotations is 7, it was called in 15 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Altjira_57, Argan_53, BlackHoleSun_57, Elver_103, Gandionco_100, GantcherGoblin_53, JeNeSaisPas_100, KevinMinion_54, Kureo_101, Leathea_55, Mardi_55, Marianna39_101, Navi1117_56, Paella_103, Phaila_56, PoeMe_55, Qui_103, Remlit_60, Stardrop_55, Tenney120_56, TrixiePhattel_56, Uzumaki_52, Zeina_56,

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

Genes that do not have the "Most Annotated" start:
• Arzan_55, BarbieDoll_59, Barbonzobean_58, Biscute_55, GermyBearimy_61, Jazzy4900_54, Kinny_58, Lewando_58, Muglass_56, Onestar_50, PorkBelly_38, Renaldo_61, Sunny4976_53,

Summary by start number:

Start 1:
• Found in 4 of 36 (11.1%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Arzan_55 (FI), GermyBearimy_61 (FI),

Start 5:
• Found in 2 of 36 (5.6%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jazzy4900_54 (FI), Sunny4976_53 (FI),

Start 6:
• Found in 7 of 36 (19.4%) of genes in pham
• Manual Annotations of this start: 5 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BarbieDoll_59 (AU6), Barbonzobean_58 (AU6), Biscute_55 (AU6), Kinny_58 (AU6), Lewando_58 (AU6), Muglass_56 (AU6), Renaldo_61 (AU6),

Start 7:
• Found in 23 of 36 (63.9%) of genes in pham
• Manual Annotations of this start: 15 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Altjira_57 (AU6), Argan_53 (AU6), BlackHoleSun_57 (AU6), Elver_103 (FK), Gandionco_100 (FK), GantcherGoblin_53 (AU6), JeNeSaisPas_100 (FK), KevinMinion_54 (AU6), Kureo_101 (FK), Leathea_55 (AU6), Mardi_55 (AU6), Marianna39_101 (FK), Navi1117_56 (AU6), Paella_103 (FK), Phaila_56 (AU6), PoeMe_55 (AU6), Qui_103 (FK), Remlit_60 (AU6), Stardrop_55 (AU6), Tenney120_56 (AU6), TrixiePhattel_56 (AU6), Uzumaki_52 (AU6), Zeina_56 (AU6),

Start 8:
• Found in 2 of 36 (5.6%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Onestar_50 (AW), PorkBelly_38 (FJ),

Summary by clusters:

There are 5 clusters represented in this pham: FI, FJ, FK, AW, AU6,

Info for manual annotations of cluster AU6:
•Start number 6 was manually annotated 5 times for cluster AU6.
•Start number 7 was manually annotated 11 times for cluster AU6.

Info for manual annotations of cluster FK:

•Start number 7 was manually annotated 4 times for cluster FK.

Gene Information:

Gene: Altjira_57 Start: 35913, Stop: 36110, Start Num: 7
Candidate Starts for Altjira_57:
(Start: 7 @35913 has 15 MA's), (20, 36030), (22, 36054),

Gene: Argan_53 Start: 34620, Stop: 34817, Start Num: 7
Candidate Starts for Argan_53:
(Start: 7 @34620 has 15 MA's), (20, 34737), (22, 34761),

Gene: Arzan_55 Start: 35254, Stop: 35529, Start Num: 1
Candidate Starts for Arzan_55:
(1, 35254), (4, 35308), (12, 35392), (14, 35422), (15, 35428), (17, 35434), (22, 35485),

Gene: BarbieDoll_59 Start: 36340, Stop: 36540, Start Num: 6
Candidate Starts for BarbieDoll_59:
(Start: 6 @36340 has 5 MA's), (18, 36424), (20, 36460), (22, 36484),

Gene: Barbonzobean_58 Start: 36603, Stop: 36803, Start Num: 6
Candidate Starts for Barbonzobean_58:
(Start: 6 @36603 has 5 MA's), (18, 36687), (20, 36723), (22, 36747),

Gene: Biscute_55 Start: 35992, Stop: 36192, Start Num: 6
Candidate Starts for Biscute_55:
(Start: 6 @35992 has 5 MA's), (12, 36025), (18, 36076), (20, 36112), (22, 36136),

Gene: BlackHoleSun_57 Start: 34745, Stop: 34942, Start Num: 7
Candidate Starts for BlackHoleSun_57:
(Start: 7 @34745 has 15 MA's), (20, 34862), (22, 34886),

Gene: Elver_103 Start: 55844, Stop: 56035, Start Num: 7
Candidate Starts for Elver_103:
(Start: 7 @55844 has 15 MA's), (12, 55874), (13, 55892), (15, 55910), (20, 55961), (22, 55985), (23, 55991),

Gene: Gandionco_100 Start: 54700, Stop: 54891, Start Num: 7
Candidate Starts for Gandionco_100:
(Start: 7 @54700 has 15 MA's), (12, 54730), (13, 54748), (15, 54766), (20, 54817), (22, 54841), (23, 54847),

Gene: GantcherGoblin_53 Start: 34694, Stop: 34891, Start Num: 7
Candidate Starts for GantcherGoblin_53:
(Start: 7 @34694 has 15 MA's), (20, 34811), (22, 34835),

Gene: GermyBearimy_61 Start: 36611, Stop: 36886, Start Num: 1
Candidate Starts for GermyBearimy_61:
(1, 36611), (4, 36665), (12, 36749), (14, 36779), (15, 36785), (17, 36791), (22, 36842),

Gene: Jazzy4900_54 Start: 36122, Stop: 36343, Start Num: 5

Candidate Starts for Jazzy4900_54:
(1, 36062), (2, 36086), (5, 36122), (10, 36185), (12, 36200), (17, 36242), (21, 36281), (22, 36293), (24, 36302),

Gene: JeNeSaisPas_100 Start: 55274, Stop: 55465, Start Num: 7
Candidate Starts for JeNeSaisPas_100:
(Start: 7 @55274 has 15 MA's), (12, 55304), (13, 55322), (15, 55340), (20, 55391), (22, 55415), (23, 55421),

Gene: KevinMinion_54 Start: 35571, Stop: 35768, Start Num: 7
Candidate Starts for KevinMinion_54:
(Start: 7 @35571 has 15 MA's), (20, 35688), (22, 35712),

Gene: Kinny_58 Start: 36835, Stop: 37035, Start Num: 6
Candidate Starts for Kinny_58:
(Start: 6 @36835 has 5 MA's), (18, 36919), (20, 36955), (22, 36979),

Gene: Kureo_101 Start: 54854, Stop: 55045, Start Num: 7
Candidate Starts for Kureo_101:
(Start: 7 @54854 has 15 MA's), (12, 54884), (13, 54902), (15, 54920), (20, 54971), (22, 54995), (23, 55001),

Gene: Leathea_55 Start: 34458, Stop: 34655, Start Num: 7
Candidate Starts for Leathea_55:
(Start: 7 @34458 has 15 MA's), (18, 34539), (20, 34575), (22, 34599),

Gene: Lewando_58 Start: 36342, Stop: 36542, Start Num: 6
Candidate Starts for Lewando_58:
(Start: 6 @36342 has 5 MA's), (18, 36426), (20, 36462), (22, 36486),

Gene: Mardi_55 Start: 35122, Stop: 35319, Start Num: 7
Candidate Starts for Mardi_55:
(Start: 7 @35122 has 15 MA's), (20, 35239), (22, 35263),

Gene: Marianna39_101 Start: 55269, Stop: 55460, Start Num: 7
Candidate Starts for Marianna39_101:
(Start: 7 @55269 has 15 MA's), (12, 55299), (13, 55317), (15, 55335), (20, 55386), (22, 55410), (23, 55416),

Gene: Muglass_56 Start: 35896, Stop: 36096, Start Num: 6
Candidate Starts for Muglass_56:
(Start: 6 @35896 has 5 MA's), (12, 35929), (18, 35980), (20, 36016), (22, 36040),

Gene: Navi1117_56 Start: 35388, Stop: 35585, Start Num: 7
Candidate Starts for Navi1117_56:
(Start: 7 @35388 has 15 MA's), (20, 35505), (22, 35529),

Gene: Onestar_50 Start: 33377, Stop: 33592, Start Num: 8
Candidate Starts for Onestar_50:
(3, 33296), (8, 33377), (14, 33434), (20, 33491), (22, 33515),

Gene: Paella_103 Start: 56434, Stop: 56625, Start Num: 7
Candidate Starts for Paella_103:

(Start: 7 @56434 has 15 MA's), (12, 56464), (13, 56482), (15, 56500), (20, 56551), (22, 56575), (23, 56581),

Gene: Phaila_56 Start: 34769, Stop: 34966, Start Num: 7
Candidate Starts for Phaila_56:
(Start: 7 @34769 has 15 MA's), (20, 34886), (22, 34910),

Gene: PoeMe_55 Start: 35313, Stop: 35510, Start Num: 7
Candidate Starts for PoeMe_55:
(Start: 7 @35313 has 15 MA's), (20, 35430), (22, 35454),

Gene: PorkBelly_38 Start: 29387, Stop: 29193, Start Num: 8
Candidate Starts for PorkBelly_38:
(8, 29387), (9, 29381), (15, 29324), (16, 29321), (19, 29279), (22, 29249), (23, 29243), (25, 29216),

Gene: Qui_103 Start: 56434, Stop: 56625, Start Num: 7
Candidate Starts for Qui_103:
(Start: 7 @56434 has 15 MA's), (12, 56464), (13, 56482), (15, 56500), (20, 56551), (22, 56575), (23, 56581),

Gene: Remlit_60 Start: 35354, Stop: 35551, Start Num: 7
Candidate Starts for Remlit_60:
(Start: 7 @35354 has 15 MA's), (11, 35372), (20, 35471), (22, 35495),

Gene: Renaldo_61 Start: 36651, Stop: 36851, Start Num: 6
Candidate Starts for Renaldo_61:
(Start: 6 @36651 has 5 MA's), (18, 36735), (20, 36771), (22, 36795),

Gene: Stardrop_55 Start: 35415, Stop: 35612, Start Num: 7
Candidate Starts for Stardrop_55:
(Start: 7 @35415 has 15 MA's), (20, 35532), (22, 35556),

Gene: Sunny4976_53 Start: 36122, Stop: 36343, Start Num: 5
Candidate Starts for Sunny4976_53:
(1, 36062), (2, 36086), (5, 36122), (10, 36185), (12, 36200), (17, 36242), (21, 36281), (22, 36293), (24, 36302),

Gene: Tenney120_56 Start: 35355, Stop: 35552, Start Num: 7
Candidate Starts for Tenney120_56:
(Start: 7 @35355 has 15 MA's), (20, 35472), (22, 35496),

Gene: TrixiePhattel_56 Start: 34783, Stop: 34980, Start Num: 7
Candidate Starts for TrixiePhattel_56:
(Start: 7 @34783 has 15 MA's), (20, 34900), (22, 34924),

Gene: Uzumaki_52 Start: 34796, Stop: 34993, Start Num: 7
Candidate Starts for Uzumaki_52:
(Start: 7 @34796 has 15 MA's), (20, 34913), (22, 34937),

Gene: Zeina_56 Start: 35363, Stop: 35560, Start Num: 7
Candidate Starts for Zeina_56:
(Start: 7 @35363 has 15 MA's), (20, 35480), (22, 35504),