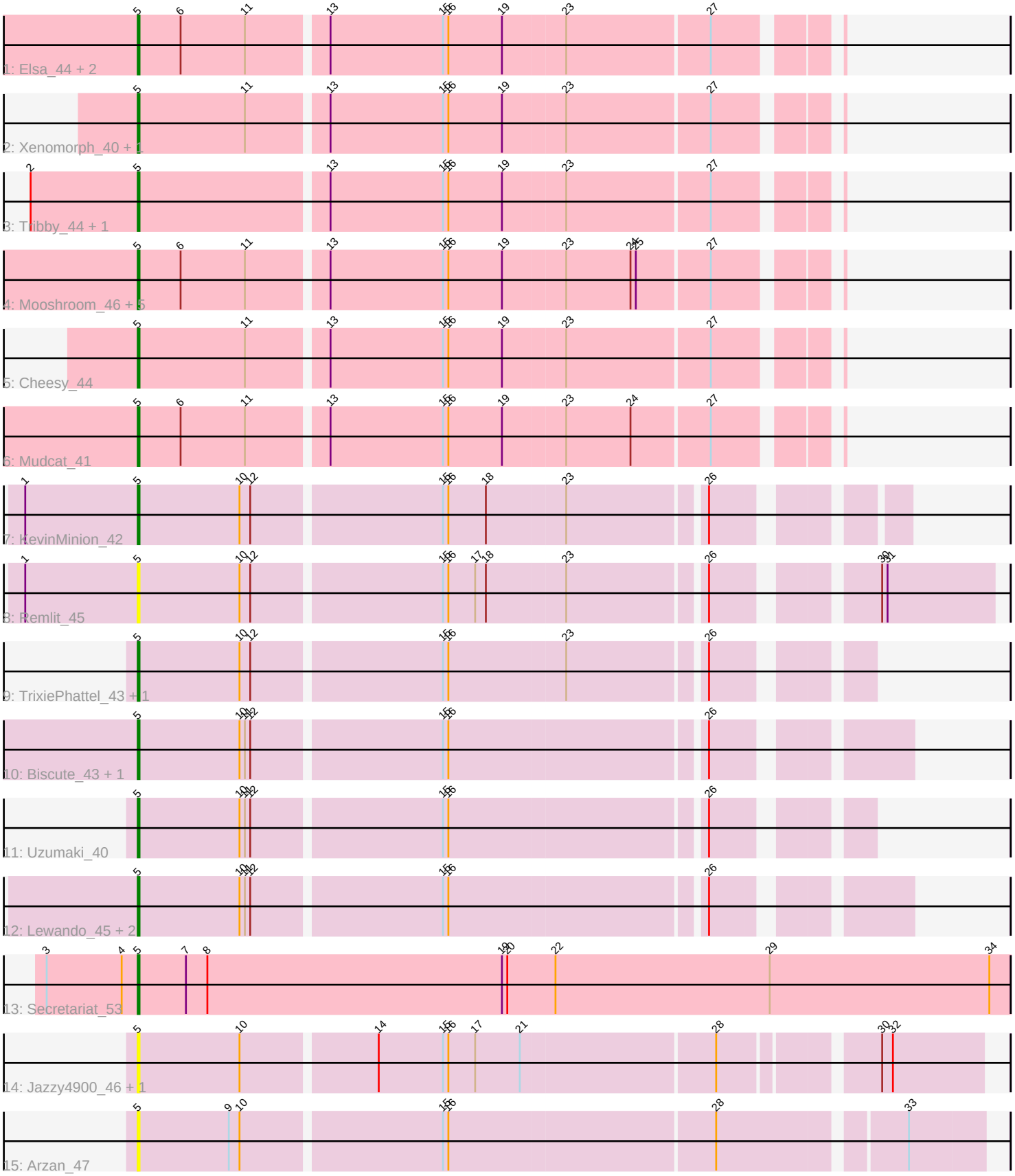
Pham 347917


1: Elsa_44 + 2
2: Xenomorph_40 + 1
3: Tribby_44 + 1
4: Mooshroom_46 + 5
5: Cheesy_44
6: Mudcat_41
7: KevinMinion_42
8: Remlit_45
9: TrixiePhattel_43 + 1
10: Biscute_43 + 1
11: Uzumaki_40
12: Lewando_45 + 2
13: Secretariat_53
14: Jazzy4900_46 + 1
15: Arzan_47

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 347917 Report

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

Pham number 347917 has 29 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Elsa_44, Arcadia_44, Nason_44
• Track 2 : Xenomorph_40, Stardom_41
• Track 3 : Tribby_44, Correa_42
• Track 4 : Mooshroom_46, Kardesai_45, Benllo_43, JEGGS_43, BenitoAntonio_44, Heisenberger_43
• Track 5 : Cheesy_44
• Track 6 : Mudcat_41
• Track 7 : KevinMinion_42
• Track 8 : Remlit_45
• Track 9 : TrixiePhattel_43, PoeMe_42
• Track 10 : Biscute_43, Muglass_44
• Track 11 : Uzumaki_40
• Track 12 : Lewando_45, BarbieDoll_47, Kinny_46
• Track 13 : Secretariat_53
• Track 14 : Jazzy4900_46, Sunny4976_45
• Track 15 : Arzan_47

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

The start number called the most often in the published annotations is 5, it was called in 23 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Arcadia_44, Arzan_47, BarbieDoll_47, BenitoAntonio_44, Benllo_43, Biscute_43, Cheesy_44, Correa_42, Elsa_44, Heisenberger_43, JEGGS_43, Jazzy4900_46, Kardesai_45, KevinMinion_42, Kinny_46, Lewando_45, Mooshroom_46, Mudcat_41, Muglass_44, Nason_44, PoeMe_42, Remlit_45, Secretariat_53, Stardom_41, Sunny4976_45, Tribby_44, TrixiePhattel_43, Uzumaki_40, Xenomorph_40,

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 5:
• Found in 29 of 29 (100.0%) of genes in pham
• Manual Annotations of this start: 23 of 23
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arcadia_44 (AM), Arzan_47 (FI), BarbieDoll_47 (AU6), BenitoAntonio_44 (AM), Benllo_43 (AM), Biscute_43 (AU6), Cheesy_44 (AM), Correa_42 (AM), Elsa_44 (AM), Heisenberger_43 (AM), JEGGS_43 (AM), Jazzy4900_46 (FI), Kardesai_45 (AM), KevinMinion_42 (AU6), Kinny_46 (AU6), Lewando_45 (AU6), Mooshroom_46 (AM), Mudcat_41 (AM), Muglass_44 (AU6), Nason_44 (AM), PoeMe_42 (AU6), Remlit_45 (AU6), Secretariat_53 (DJ), Stardom_41 (AM), Sunny4976_45 (FI), Tribby_44 (AM), TrixiePhattel_43 (AU6), Uzumaki_40 (AU6), Xenomorph_40 (AM),

Summary by clusters:

There are 4 clusters represented in this pham: FI, DJ, AM, AU6,

Info for manual annotations of cluster AM:
•Start number 5 was manually annotated 14 times for cluster AM.

Info for manual annotations of cluster AU6:
•Start number 5 was manually annotated 8 times for cluster AU6.

Info for manual annotations of cluster DJ:
•Start number 5 was manually annotated 1 time for cluster DJ.

Gene Information:

Gene: Arcadia_44 Start: 30490, Stop: 30855, Start Num: 5
Candidate Starts for Arcadia_44:
(Start: 5 @30490 has 23 MA's), (6, 30514), (11, 30550), (13, 30592), (15, 30655), (16, 30658), (19, 30688), (23, 30721), (27, 30799),

Gene: Arzan_47 Start: 31913, Stop: 32362, Start Num: 5
Candidate Starts for Arzan_47:
(Start: 5 @31913 has 23 MA's), (9, 31964), (10, 31970), (15, 32078), (16, 32081), (28, 32225), (33, 32321),

Gene: BarbieDoll_47 Start: 32497, Stop: 32892, Start Num: 5
Candidate Starts for BarbieDoll_47:
(Start: 5 @32497 has 23 MA's), (10, 32554), (11, 32557), (12, 32560), (15, 32662), (16, 32665), (26, 32800),

Gene: BenitoAntonio_44 Start: 30067, Stop: 30432, Start Num: 5
Candidate Starts for BenitoAntonio_44:
(Start: 5 @30067 has 23 MA's), (6, 30091), (11, 30127), (13, 30169), (15, 30232), (16, 30235), (19, 30265), (23, 30298), (24, 30334), (25, 30337), (27, 30376),

Gene: Benllo_43 Start: 30751, Stop: 31116, Start Num: 5
Candidate Starts for Benllo_43:
(Start: 5 @30751 has 23 MA's), (6, 30775), (11, 30811), (13, 30853), (15, 30916), (16, 30919), (19, 30949), (23, 30982), (24, 31018), (25, 31021), (27, 31060),

Gene: Biscute_43 Start: 32150, Stop: 32545, Start Num: 5
Candidate Starts for Biscute_43:
(Start: 5 @32150 has 23 MA's), (10, 32207), (11, 32210), (12, 32213), (15, 32315), (16, 32318), (26, 32453),

Gene: Cheesy_44 Start: 30188, Stop: 30553, Start Num: 5
Candidate Starts for Cheesy_44:
(Start: 5 @30188 has 23 MA's), (11, 30248), (13, 30290), (15, 30353), (16, 30356), (19, 30386), (23, 30419), (27, 30497),

Gene: Correa_42 Start: 29373, Stop: 29738, Start Num: 5
Candidate Starts for Correa_42:
(2, 29313), (Start: 5 @29373 has 23 MA's), (13, 29475), (15, 29538), (16, 29541), (19, 29571), (23, 29604), (27, 29682),

Gene: Elsa_44 Start: 30490, Stop: 30855, Start Num: 5
Candidate Starts for Elsa_44:
(Start: 5 @30490 has 23 MA's), (6, 30514), (11, 30550), (13, 30592), (15, 30655), (16, 30658), (19, 30688), (23, 30721), (27, 30799),

Gene: Heisenberger_43 Start: 29931, Stop: 30296, Start Num: 5
Candidate Starts for Heisenberger_43:
(Start: 5 @29931 has 23 MA's), (6, 29955), (11, 29991), (13, 30033), (15, 30096), (16, 30099), (19, 30129), (23, 30162), (24, 30198), (25, 30201), (27, 30240),

Gene: JEGGS_43 Start: 29985, Stop: 30350, Start Num: 5
Candidate Starts for JEGGS_43:
(Start: 5 @29985 has 23 MA's), (6, 30009), (11, 30045), (13, 30087), (15, 30150), (16, 30153), (19, 30183), (23, 30216), (24, 30252), (25, 30255), (27, 30294),

Gene: Jazzy4900_46 Start: 32761, Stop: 33207, Start Num: 5
Candidate Starts for Jazzy4900_46:
(Start: 5 @32761 has 23 MA's), (10, 32818), (14, 32890), (15, 32926), (16, 32929), (17, 32944), (21, 32968), (28, 33073), (30, 33151), (32, 33157),

Gene: Kardesai_45 Start: 30651, Stop: 31016, Start Num: 5
Candidate Starts for Kardesai_45:
(Start: 5 @30651 has 23 MA's), (6, 30675), (11, 30711), (13, 30753), (15, 30816), (16, 30819), (19, 30849), (23, 30882), (24, 30918), (25, 30921), (27, 30960),

Gene: KevinMinion_42 Start: 31542, Stop: 31931, Start Num: 5
Candidate Starts for KevinMinion_42:
(1, 31479), (Start: 5 @31542 has 23 MA's), (10, 31599), (12, 31605), (15, 31707), (16, 31710), (18, 31731), (23, 31773), (26, 31845),

Gene: Kinny_46 Start: 32991, Stop: 33386, Start Num: 5
Candidate Starts for Kinny_46:

(Start: 5 @32991 has 23 MA's), (10, 33048), (11, 33051), (12, 33054), (15, 33156), (16, 33159), (26, 33294),

Gene: Lewando_45 Start: 32283, Stop: 32678, Start Num: 5
Candidate Starts for Lewando_45:
(Start: 5 @32283 has 23 MA's), (10, 32340), (11, 32343), (12, 32346), (15, 32448), (16, 32451), (26, 32586),

Gene: Mooshroom_46 Start: 30651, Stop: 31016, Start Num: 5
Candidate Starts for Mooshroom_46:
(Start: 5 @30651 has 23 MA's), (6, 30675), (11, 30711), (13, 30753), (15, 30816), (16, 30819), (19, 30849), (23, 30882), (24, 30918), (25, 30921), (27, 30960),

Gene: Mudcat_41 Start: 31344, Stop: 31709, Start Num: 5
Candidate Starts for Mudcat_41:
(Start: 5 @31344 has 23 MA's), (6, 31368), (11, 31404), (13, 31446), (15, 31509), (16, 31512), (19, 31542), (23, 31575), (24, 31611), (27, 31653),

Gene: Muglass_44 Start: 32054, Stop: 32449, Start Num: 5
Candidate Starts for Muglass_44:
(Start: 5 @32054 has 23 MA's), (10, 32111), (11, 32114), (12, 32117), (15, 32219), (16, 32222), (26, 32357),

Gene: Nason_44 Start: 30490, Stop: 30855, Start Num: 5
Candidate Starts for Nason_44:
(Start: 5 @30490 has 23 MA's), (6, 30514), (11, 30550), (13, 30592), (15, 30655), (16, 30658), (19, 30688), (23, 30721), (27, 30799),

Gene: PoeMe_42 Start: 31062, Stop: 31436, Start Num: 5
Candidate Starts for PoeMe_42:
(Start: 5 @31062 has 23 MA's), (10, 31119), (12, 31125), (15, 31227), (16, 31230), (23, 31293), (26, 31365),

Gene: Remlit_45 Start: 30610, Stop: 31050, Start Num: 5
Candidate Starts for Remlit_45:
(1, 30547), (Start: 5 @30610 has 23 MA's), (10, 30667), (12, 30673), (15, 30775), (16, 30778), (17, 30793), (18, 30799), (23, 30841), (26, 30913), (30, 30988), (31, 30991),

Gene: Secretariat_53 Start: 36006, Stop: 36494, Start Num: 5
Candidate Starts for Secretariat_53:
(3, 35955), (4, 35997), (Start: 5 @36006 has 23 MA's), (7, 36033), (8, 36045), (19, 36210), (20, 36213), (22, 36240), (29, 36360), (34, 36483),

Gene: Stardom_41 Start: 29115, Stop: 29480, Start Num: 5
Candidate Starts for Stardom_41:
(Start: 5 @29115 has 23 MA's), (11, 29175), (13, 29217), (15, 29280), (16, 29283), (19, 29313), (23, 29346), (27, 29424),

Gene: Sunny4976_45 Start: 32761, Stop: 33207, Start Num: 5
Candidate Starts for Sunny4976_45:
(Start: 5 @32761 has 23 MA's), (10, 32818), (14, 32890), (15, 32926), (16, 32929), (17, 32944), (21, 32968), (28, 33073), (30, 33151), (32, 33157),

Gene: Tribby_44 Start: 30206, Stop: 30571, Start Num: 5
Candidate Starts for Tribby_44:
(2, 30146), (Start: 5 @30206 has 23 MA's), (13, 30308), (15, 30371), (16, 30374), (19, 30404), (23, 30437), (27, 30515),

Gene: TrixiePhattel_43 Start: 30777, Stop: 31151, Start Num: 5
Candidate Starts for TrixiePhattel_43:
(Start: 5 @30777 has 23 MA's), (10, 30834), (12, 30840), (15, 30942), (16, 30945), (23, 31008), (26, 31080),

Gene: Uzumaki_40 Start: 30796, Stop: 31170, Start Num: 5
Candidate Starts for Uzumaki_40:
(Start: 5 @30796 has 23 MA's), (10, 30853), (11, 30856), (12, 30859), (15, 30961), (16, 30964), (26, 31099),

Gene: Xenomorph_40 Start: 29917, Stop: 30282, Start Num: 5
Candidate Starts for Xenomorph_40:
(Start: 5 @29917 has 23 MA's), (11, 29977), (13, 30019), (15, 30082), (16, 30085), (19, 30115), (23, 30148), (27, 30226),