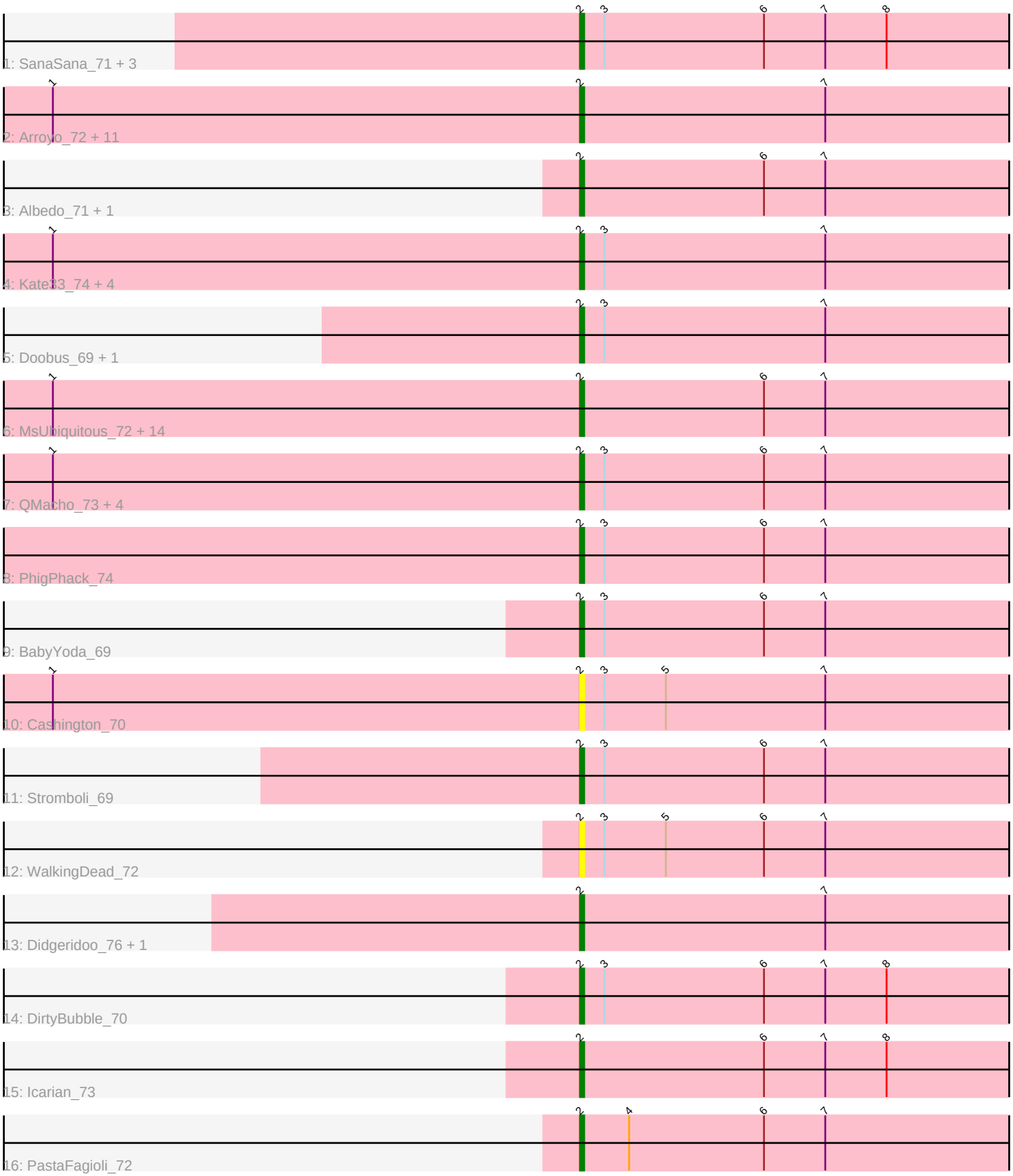
Pham 308691


1: SanaSana_71 + 3
2: Arroyo_72 + 11
3: Albedo_71 + 1
4: Kate33_74 + 4
5: Doobus_69 + 1
6: MsUbiquitous_72 + 14
7: QMacho_73 + 4
8: PhigPhack_74
9: BabyYoda_69
10: Cashington_70
11: Stromboli_69
12: WalkingDead_72
13: Didgeridoo_76 + 1
14: DirtyBubble_70
15: Icarian_73
16: PastaFagioli_72

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 308691 Report

This analysis was run 06/27/26 on database version 652.

Pham number 308691 has 55 members, 5 are drafts.

Phages represented in each track:
• Track 1 : SanaSana_71, Loviatar_68, Akino08_67, Stoor_70
• Track 2 : Arroyo_72, Swervy_71, Eula_70, Finalfrontier_70, Slay_71, Bengal_72, TukTuk_71, Jovita_69, Lilo27_71, Nicky22_70, Pecas_71, BabyDaisy_72
• Track 3 : Albedo_71, Lahqtemish_70
• Track 4 : Kate33_74, Softsoap_72, DickRichards_69, LimaBean_69, BubbaBear_69
• Track 5 : Doobus_69, Avocadoman_70
• Track 6 : MsUbiquitous_72, Johnathan_71, AnnaLie_71, Lynlen_72, BelmontSKP_71, Jabb_72, SirBeanington_71, AylexOG_72, SansAfet_73, Phisb_73, Kenzers_70, SarBear_73, CupcakePrincess_72, Abigail_71, CroZenni_72
• Track 7 : QMacho_73, Albright_70, Burritobowl_73, Solea_74, Milomuff_73
• Track 8 : PhigPhack_74
• Track 9 : BabyYoda_69
• Track 10 : Cashington_70
• Track 11 : Stromboli_69
• Track 12 : WalkingDead_72
• Track 13 : Didgeridoo_76, IndyLu_72
• Track 14 : DirtyBubble_70
• Track 15 : Icarian_73
• Track 16 : PastaFagioli_72

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

The start number called the most often in the published annotations is 2, it was called in 50 of the 50 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abigail_71, Akino08_67, Albedo_71, Albright_70, AnnaLie_71, Arroyo_72, Avocadoman_70, AylexOG_72, BabyDaisy_72, BabyYoda_69, BelmontSKP_71, Bengal_72, BubbaBear_69, Burritobowl_73, Cashington_70, CroZenni_72, CupcakePrincess_72, DickRichards_69, Didgeridoo_76, DirtyBubble_70, Doobus_69, Eula_70, Finalfrontier_70, Icarian_73, IndyLu_72, Jabb_72, Johnathan_71, Jovita_69, Kate33_74, Kenzers_70, Lahqtemish_70, Lilo27_71, LimaBean_69, Loviatar_68, Lynlen_72, Milomuff_73, MsUbiquitous_72, Nicky22_70, PastaFagioli_72, Pecas_71, PhigPhack_74, Phisb_73, QMacho_73, SanaSana_71, SansAfet_73, SarBear_73,

SirBeanington_71, Slay_71, Softsoap_72, Solea_74, Stoor_70, Stromboli_69, Swervy_71, TukTuk_71, WalkingDead_72,

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 2:
• Found in 55 of 55 (100.0%) of genes in pham
• Manual Annotations of this start: 50 of 50
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abigail_71 (EB), Akino08_67 (EB), Albedo_71 (EB), Albright_70 (EB), AnnaLie_71 (EB), Arroyo_72 (EB), Avocadoman_70 (EB), AylexOG_72 (EB), BabyDaisy_72 (EB), BabyYoda_69 (EB), BelmontSKP_71 (EB), Bengal_72 (EB), BubbaBear_69 (EB), Burritobowl_73 (EB), Cashington_70 (EB), CroZenni_72 (EB), CupcakePrincess_72 (EB), DickRichards_69 (EB), Didgeridoo_76 (EB), DirtyBubble_70 (EB), Doobus_69 (EB), Eula_70 (EB), Finalfrontier_70 (EB), Icarian_73 (EB), IndyLu_72 (EB), Jabb_72 (EB), Johnathan_71 (EB), Jovita_69 (EB), Kate33_74 (EB), Kenzers_70 (EB), Lahqtemish_70 (EB), Lilo27_71 (EB), LimaBean_69 (EB), Loviatar_68 (EB), Lynlen_72 (EB), Milomuff_73 (EB), MsUbiquitous_72 (EB), Nicky22_70 (EB), PastaFagioli_72 (EB), Pecas_71 (EB), PhigPhack_74 (EB), Phisb_73 (EB), QMacho_73 (EB), SanaSana_71 (EB), SansAfet_73 (EB), SarBear_73 (EB), SirBeanington_71 (EB), Slay_71 (EB), Softsoap_72 (EB), Solea_74 (EB), Stoor_70 (EB), Stromboli_69 (EB), Swervy_71 (EB), TukTuk_71 (EB), WalkingDead_72 (EB),

Summary by clusters:

There is one cluster represented in this pham: EB

Info for manual annotations of cluster EB:
•Start number 2 was manually annotated 50 times for cluster EB.

Gene Information:

Gene: Abigail_71 Start: 40815, Stop: 40943, Start Num: 2
Candidate Starts for Abigail_71:
(1, 40686), (Start: 2 @40815 has 50 MA's), (6, 40860), (7, 40875),

Gene: Akino08_67 Start: 42363, Stop: 42491, Start Num: 2
Candidate Starts for Akino08_67:
(Start: 2 @42363 has 50 MA's), (3, 42369), (6, 42408), (7, 42423), (8, 42438),

Gene: Albedo_71 Start: 41625, Stop: 41753, Start Num: 2
Candidate Starts for Albedo_71:
(Start: 2 @41625 has 50 MA's), (6, 41670), (7, 41685),

Gene: Albright_70 Start: 40695, Stop: 40823, Start Num: 2
Candidate Starts for Albright_70:
(1, 40566), (Start: 2 @40695 has 50 MA's), (3, 40701), (6, 40740), (7, 40755),

Gene: AnnaLie_71 Start: 41477, Stop: 41605, Start Num: 2
Candidate Starts for AnnaLie_71:
(1, 41348), (Start: 2 @41477 has 50 MA's), (6, 41522), (7, 41537),

Gene: Arroyo_72 Start: 41941, Stop: 42069, Start Num: 2
Candidate Starts for Arroyo_72:
(1, 41812), (Start: 2 @41941 has 50 MA's), (7, 42001),

Gene: Avocadoman_70 Start: 41012, Stop: 41140, Start Num: 2
Candidate Starts for Avocadoman_70:
(Start: 2 @41012 has 50 MA's), (3, 41018), (7, 41072),

Gene: AylexOG_72 Start: 41696, Stop: 41824, Start Num: 2
Candidate Starts for AylexOG_72:
(1, 41567), (Start: 2 @41696 has 50 MA's), (6, 41741), (7, 41756),

Gene: BabyDaisy_72 Start: 42038, Stop: 42166, Start Num: 2
Candidate Starts for BabyDaisy_72:
(1, 41909), (Start: 2 @42038 has 50 MA's), (7, 42098),

Gene: BabyYoda_69 Start: 41368, Stop: 41496, Start Num: 2
Candidate Starts for BabyYoda_69:
(Start: 2 @41368 has 50 MA's), (3, 41374), (6, 41413), (7, 41428),

Gene: BelmontSKP_71 Start: 41477, Stop: 41605, Start Num: 2
Candidate Starts for BelmontSKP_71:
(1, 41348), (Start: 2 @41477 has 50 MA's), (6, 41522), (7, 41537),

Gene: Bengal_72 Start: 41483, Stop: 41611, Start Num: 2
Candidate Starts for Bengal_72:
(1, 41354), (Start: 2 @41483 has 50 MA's), (7, 41543),

Gene: BubbaBear_69 Start: 41626, Stop: 41754, Start Num: 2
Candidate Starts for BubbaBear_69:
(1, 41497), (Start: 2 @41626 has 50 MA's), (3, 41632), (7, 41686),

Gene: Burritobowl_73 Start: 41229, Stop: 41357, Start Num: 2
Candidate Starts for Burritobowl_73:
(1, 41100), (Start: 2 @41229 has 50 MA's), (3, 41235), (6, 41274), (7, 41289),

Gene: Cashington_70 Start: 41412, Stop: 41540, Start Num: 2
Candidate Starts for Cashington_70:
(1, 41283), (Start: 2 @41412 has 50 MA's), (3, 41418), (5, 41433), (7, 41472),

Gene: CroZenni_72 Start: 41283, Stop: 41411, Start Num: 2
Candidate Starts for CroZenni_72:
(1, 41154), (Start: 2 @41283 has 50 MA's), (6, 41328), (7, 41343),

Gene: CupcakePrincess_72 Start: 41526, Stop: 41654, Start Num: 2

Candidate Starts for CupcakePrincess_72:
(1, 41397), (Start: 2 @41526 has 50 MA's), (6, 41571), (7, 41586),

Gene: DickRichards_69 Start: 41152, Stop: 41280, Start Num: 2
Candidate Starts for DickRichards_69:
(1, 41023), (Start: 2 @41152 has 50 MA's), (3, 41158), (7, 41212),

Gene: Didgeridoo_76 Start: 42467, Stop: 42595, Start Num: 2
Candidate Starts for Didgeridoo_76:
(Start: 2 @42467 has 50 MA's), (7, 42527),

Gene: DirtyBubble_70 Start: 41503, Stop: 41631, Start Num: 2
Candidate Starts for DirtyBubble_70:
(Start: 2 @41503 has 50 MA's), (3, 41509), (6, 41548), (7, 41563), (8, 41578),

Gene: Doobus_69 Start: 41007, Stop: 41135, Start Num: 2
Candidate Starts for Doobus_69:
(Start: 2 @41007 has 50 MA's), (3, 41013), (7, 41067),

Gene: Eula_70 Start: 41191, Stop: 41319, Start Num: 2
Candidate Starts for Eula_70:
(1, 41062), (Start: 2 @41191 has 50 MA's), (7, 41251),

Gene: Finalfrontier_70 Start: 41858, Stop: 41986, Start Num: 2
Candidate Starts for Finalfrontier_70:
(1, 41729), (Start: 2 @41858 has 50 MA's), (7, 41918),

Gene: Icarian_73 Start: 42131, Stop: 42259, Start Num: 2
Candidate Starts for Icarian_73:
(Start: 2 @42131 has 50 MA's), (6, 42176), (7, 42191), (8, 42206),

Gene: IndyLu_72 Start: 41770, Stop: 41898, Start Num: 2
Candidate Starts for IndyLu_72:
(Start: 2 @41770 has 50 MA's), (7, 41830),

Gene: Jabb_72 Start: 41526, Stop: 41654, Start Num: 2
Candidate Starts for Jabb_72:
(1, 41397), (Start: 2 @41526 has 50 MA's), (6, 41571), (7, 41586),

Gene: Johnathan_71 Start: 40783, Stop: 40911, Start Num: 2
Candidate Starts for Johnathan_71:
(1, 40654), (Start: 2 @40783 has 50 MA's), (6, 40828), (7, 40843),

Gene: Jovita_69 Start: 40959, Stop: 41087, Start Num: 2
Candidate Starts for Jovita_69:
(1, 40830), (Start: 2 @40959 has 50 MA's), (7, 41019),

Gene: Kate33_74 Start: 41501, Stop: 41629, Start Num: 2
Candidate Starts for Kate33_74:
(1, 41372), (Start: 2 @41501 has 50 MA's), (3, 41507), (7, 41561),

Gene: Kenzers_70 Start: 41073, Stop: 41201, Start Num: 2
Candidate Starts for Kenzers_70:

(1, 40944), (Start: 2 @41073 has 50 MA's), (6, 41118), (7, 41133),

Gene: Lahqtemish_70 Start: 41985, Stop: 42113, Start Num: 2
Candidate Starts for Lahqtemish_70:
(Start: 2 @41985 has 50 MA's), (6, 42030), (7, 42045),

Gene: Lilo27_71 Start: 41375, Stop: 41503, Start Num: 2
Candidate Starts for Lilo27_71:
(1, 41246), (Start: 2 @41375 has 50 MA's), (7, 41435),

Gene: LimaBean_69 Start: 41065, Stop: 41193, Start Num: 2
Candidate Starts for LimaBean_69:
(1, 40936), (Start: 2 @41065 has 50 MA's), (3, 41071), (7, 41125),

Gene: Loviatar_68 Start: 42379, Stop: 42507, Start Num: 2
Candidate Starts for Loviatar_68:
(Start: 2 @42379 has 50 MA's), (3, 42385), (6, 42424), (7, 42439), (8, 42454),

Gene: Lynlen_72 Start: 41259, Stop: 41387, Start Num: 2
Candidate Starts for Lynlen_72:
(1, 41130), (Start: 2 @41259 has 50 MA's), (6, 41304), (7, 41319),

Gene: Milomuff_73 Start: 41632, Stop: 41760, Start Num: 2
Candidate Starts for Milomuff_73:
(1, 41503), (Start: 2 @41632 has 50 MA's), (3, 41638), (6, 41677), (7, 41692),

Gene: MsUbiquitous_72 Start: 41526, Stop: 41654, Start Num: 2
Candidate Starts for MsUbiquitous_72:
(1, 41397), (Start: 2 @41526 has 50 MA's), (6, 41571), (7, 41586),

Gene: Nicky22_70 Start: 41596, Stop: 41724, Start Num: 2
Candidate Starts for Nicky22_70:
(1, 41467), (Start: 2 @41596 has 50 MA's), (7, 41656),

Gene: PastaFagioli_72 Start: 42053, Stop: 42181, Start Num: 2
Candidate Starts for PastaFagioli_72:
(Start: 2 @42053 has 50 MA's), (4, 42065), (6, 42098), (7, 42113),

Gene: Pecas_71 Start: 41492, Stop: 41620, Start Num: 2
Candidate Starts for Pecas_71:
(1, 41363), (Start: 2 @41492 has 50 MA's), (7, 41552),

Gene: PhigPhack_74 Start: 41394, Stop: 41522, Start Num: 2
Candidate Starts for PhigPhack_74:
(Start: 2 @41394 has 50 MA's), (3, 41400), (6, 41439), (7, 41454),

Gene: Phisb_73 Start: 41367, Stop: 41495, Start Num: 2
Candidate Starts for Phisb_73:
(1, 41238), (Start: 2 @41367 has 50 MA's), (6, 41412), (7, 41427),

Gene: QMacho_73 Start: 41497, Stop: 41625, Start Num: 2
Candidate Starts for QMacho_73:
(1, 41368), (Start: 2 @41497 has 50 MA's), (3, 41503), (6, 41542), (7, 41557),

Gene: SanaSana_71 Start: 41817, Stop: 41945, Start Num: 2
Candidate Starts for SanaSana_71:
(Start: 2 @41817 has 50 MA's), (3, 41823), (6, 41862), (7, 41877), (8, 41892),

Gene: SansAfet_73 Start: 41343, Stop: 41471, Start Num: 2
Candidate Starts for SansAfet_73:
(1, 41214), (Start: 2 @41343 has 50 MA's), (6, 41388), (7, 41403),

Gene: SarBear_73 Start: 41423, Stop: 41551, Start Num: 2
Candidate Starts for SarBear_73:
(1, 41294), (Start: 2 @41423 has 50 MA's), (6, 41468), (7, 41483),

Gene: SirBeanington_71 Start: 41610, Stop: 41738, Start Num: 2
Candidate Starts for SirBeanington_71:
(1, 41481), (Start: 2 @41610 has 50 MA's), (6, 41655), (7, 41670),

Gene: Slay_71 Start: 41733, Stop: 41861, Start Num: 2
Candidate Starts for Slay_71:
(1, 41604), (Start: 2 @41733 has 50 MA's), (7, 41793),

Gene: Softsoap_72 Start: 41464, Stop: 41592, Start Num: 2
Candidate Starts for Softsoap_72:
(1, 41335), (Start: 2 @41464 has 50 MA's), (3, 41470), (7, 41524),

Gene: Solea_74 Start: 41631, Stop: 41759, Start Num: 2
Candidate Starts for Solea_74:
(1, 41502), (Start: 2 @41631 has 50 MA's), (3, 41637), (6, 41676), (7, 41691),

Gene: Stoor_70 Start: 41625, Stop: 41753, Start Num: 2
Candidate Starts for Stoor_70:
(Start: 2 @41625 has 50 MA's), (3, 41631), (6, 41670), (7, 41685), (8, 41700),

Gene: Stromboli_69 Start: 41405, Stop: 41533, Start Num: 2
Candidate Starts for Stromboli_69:
(Start: 2 @41405 has 50 MA's), (3, 41411), (6, 41450), (7, 41465),

Gene: Swervy_71 Start: 41322, Stop: 41450, Start Num: 2
Candidate Starts for Swervy_71:
(1, 41193), (Start: 2 @41322 has 50 MA's), (7, 41382),

Gene: TukTuk_71 Start: 41512, Stop: 41640, Start Num: 2
Candidate Starts for TukTuk_71:
(1, 41383), (Start: 2 @41512 has 50 MA's), (7, 41572),

Gene: WalkingDead_72 Start: 42287, Stop: 42415, Start Num: 2
Candidate Starts for WalkingDead_72:
(Start: 2 @42287 has 50 MA's), (3, 42293), (5, 42308), (6, 42332), (7, 42347),