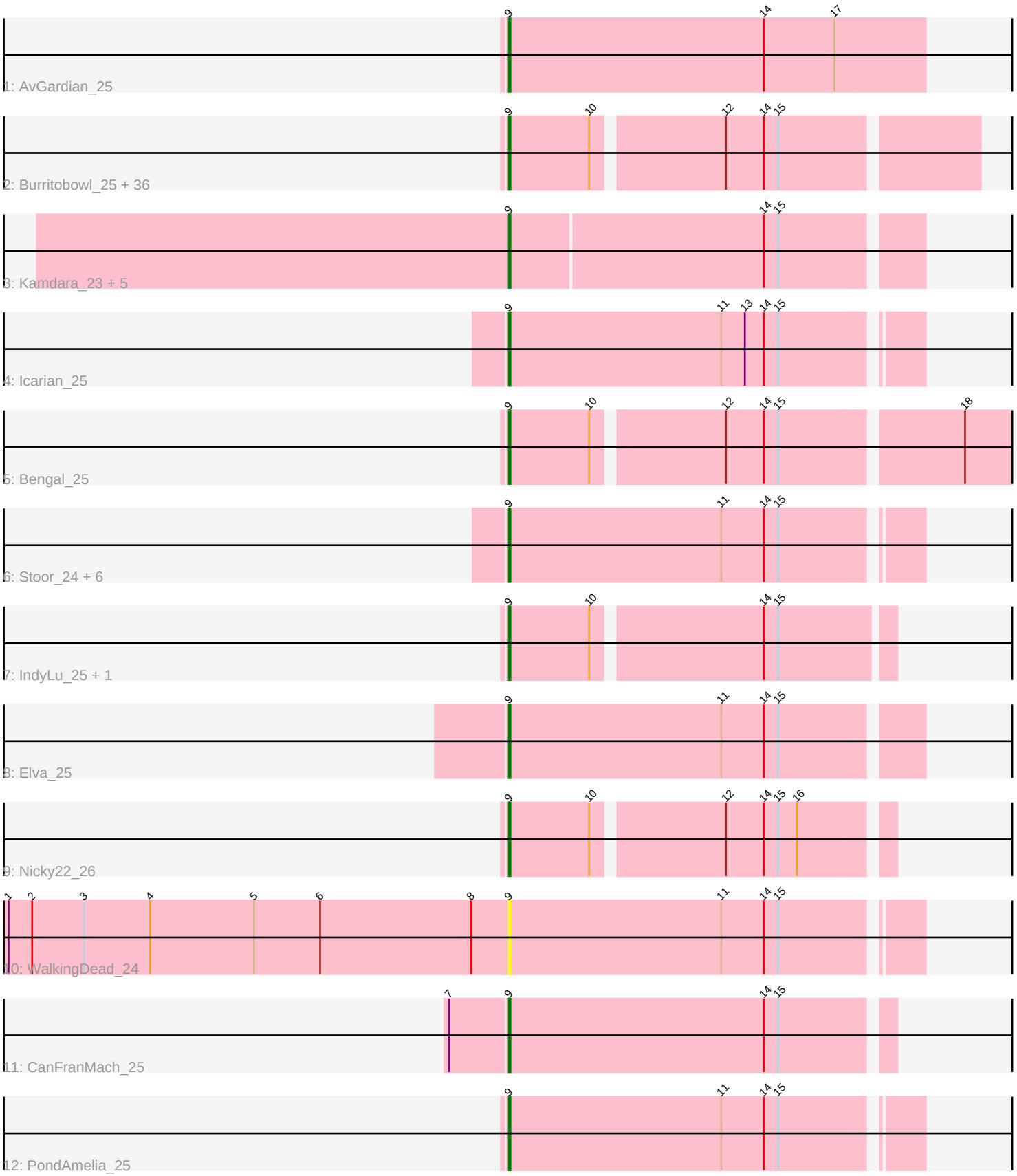
Pham 347643


1: AvGardian_25
2: Burritobowl_25 + 36
3: Kamdara_23 + 5
4: Icarian_25
5: Bengal_25
6: Stoor_24 + 6
7: IndyLu_25 + 1
8: Elva_25
9: Nicky22_26
10: WalkingDead_24
11: CanFranMach_25
12: PondAmelia_25

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 347643 Report

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

Pham number 347643 has 60 members, 3 are drafts.

Phages represented in each track:
• Track 1 : AvGardian_25
• Track 2 : Burritobowl_25, TukTuk_25, Phisb_25, DickRichards_25, Lahqtemish_25, SirBeanington_25, CupcakePrincess_25, Johnathan_25, Jabb_25, Milomuff_26, PastaFagioli_25, AnnaLie_26, LimaBean_25, Doobus_25, BelmontSKP_26, Avocadoman_25, Swervy_25, Solea_27, PhigPhack_26, Albedo_25, Albright_25, SarBear_25, Softsoap_24, BubbaBear_25, CroZenni_25, Kenzers_25, Jovita_25, Cashington_25, Slay_25, QMacho_26, Eula_25, Abigail_25, SansAfet_25, AylexOG_26, Lynlen_25, Arroyo_26, MsUbiquitous_25
• Track 3 : Kamdara_23, Dismas_23, Rona_23, Sharkboy_23, Kieran_23, ChiliPepper_23
• Track 4 : Icarian_25
• Track 5 : Bengal_25
• Track 6 : Stoor_24, Loviatar_24, Akino08_23, BabyYoda_24, Stromboli_24, SanaSana_25, DirtyBubble_24
• Track 7 : IndyLu_25, Didgeridoo_26
• Track 8 : Elva_25
• Track 9 : Nicky22_26
• Track 10 : WalkingDead_24
• Track 11 : CanFranMach_25
• Track 12 : PondAmelia_25

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

The start number called the most often in the published annotations is 9, it was called in 57 of the 57 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abigail_25, Akino08_23, Albedo_25, Albright_25, AnnaLie_26, Arroyo_26, AvGardian_25, Avocadoman_25, AylexOG_26, BabyYoda_24, BelmontSKP_26, Bengal_25, BubbaBear_25, Burritobowl_25, CanFranMach_25, Cashington_25, ChiliPepper_23, CroZenni_25, CupcakePrincess_25, DickRichards_25, Didgeridoo_26, DirtyBubble_24, Dismas_23, Doobus_25, Elva_25, Eula_25, Icarian_25, IndyLu_25, Jabb_25, Johnathan_25, Jovita_25, Kamdara_23, Kenzers_25, Kieran_23, Lahqtemish_25, LimaBean_25, Loviatar_24, Lynlen_25,

Milomuff_26, MsUbiquitous_25, Nicky22_26, PastaFagioli_25, PhigPhack_26, Phisb_25, PondAmelia_25, QMacho_26, Rona_23, SanaSana_25, SansAfet_25, SarBear_25, Sharkboy_23, SirBeanington_25, Slay_25, Softsoap_24, Solea_27, Stoor_24, Stromboli_24, Swervy_25, TukTuk_25, WalkingDead_24,

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 9:
• Found in 60 of 60 (100.0%) of genes in pham
• Manual Annotations of this start: 57 of 57
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abigail_25 (EB), Akino08_23 (EB), Albedo_25 (EB), Albright_25 (EB), AnnaLie_26 (EB), Arroyo_26 (EB), AvGardian_25 (EB), Avocadoman_25 (EB), AylexOG_26 (EB), BabyYoda_24 (EB), BelmontSKP_26 (EB), Bengal_25 (EB), BubbaBear_25 (EB), Burritobowl_25 (EB), CanFranMach_25 (EB), Cashington_25 (EB), ChiliPepper_23 (EB), CroZenni_25 (EB), CupcakePrincess_25 (EB), DickRichards_25 (EB), Didgeridoo_26 (EB), DirtyBubble_24 (EB), Dismas_23 (EB), Doobus_25 (EB), Elva_25 (EB), Eula_25 (EB), Icarian_25 (EB), IndyLu_25 (EB), Jabb_25 (EB), Johnathan_25 (EB), Jovita_25 (EB), Kamdara_23 (EB), Kenzers_25 (EB), Kieran_23 (EB), Lahqtemish_25 (EB), LimaBean_25 (EB), Loviatar_24 (EB), Lynlen_25 (EB), Milomuff_26 (EB), MsUbiquitous_25 (EB), Nicky22_26 (EB), PastaFagioli_25 (EB), PhigPhack_26 (EB), Phisb_25 (EB), PondAmelia_25 (EB), QMacho_26 (EB), Rona_23 (EB), SanaSana_25 (EB), SansAfet_25 (EB), SarBear_25 (EB), Sharkboy_23 (EB), SirBeanington_25 (EB), Slay_25 (EB), Softsoap_24 (EB), Solea_27 (EB), Stoor_24 (EB), Stromboli_24 (EB), Swervy_25 (EB), TukTuk_25 (EB), WalkingDead_24 (EB),

Summary by clusters:

There is one cluster represented in this pham: EB

Info for manual annotations of cluster EB:
•Start number 9 was manually annotated 57 times for cluster EB.

Gene Information:

Gene: Abigail_25 Start: 19759, Stop: 19986, Start Num: 9
Candidate Starts for Abigail_25:
(Start: 9 @19759 has 57 MA's), (10, 19810), (12, 19888), (14, 19912), (15, 19921),

Gene: Akino08_23 Start: 20246, Stop: 20497, Start Num: 9
Candidate Starts for Akino08_23:
(Start: 9 @20246 has 57 MA's), (11, 20381), (14, 20408), (15, 20417),

Gene: Albedo_25 Start: 19636, Stop: 19863, Start Num: 9

Candidate Starts for Albedo_25:
(Start: 9 @19636 has 57 MA's), (10, 19687), (12, 19765), (14, 19789), (15, 19798),

Gene: Albright_25 Start: 19517, Stop: 19744, Start Num: 9
Candidate Starts for Albright_25:
(Start: 9 @19517 has 57 MA's), (10, 19568), (12, 19646), (14, 19670), (15, 19679),

Gene: AnnaLie_26 Start: 19946, Stop: 20173, Start Num: 9
Candidate Starts for AnnaLie_26:
(Start: 9 @19946 has 57 MA's), (10, 19997), (12, 20075), (14, 20099), (15, 20108),

Gene: Arroyo_26 Start: 20146, Stop: 20373, Start Num: 9
Candidate Starts for Arroyo_26:
(Start: 9 @20146 has 57 MA's), (10, 20197), (12, 20275), (14, 20299), (15, 20308),

Gene: AvGardian_25 Start: 19855, Stop: 20118, Start Num: 9
Candidate Starts for AvGardian_25:
(Start: 9 @19855 has 57 MA's), (14, 20017), (17, 20062),

Gene: Avocadoman_25 Start: 19701, Stop: 19928, Start Num: 9
Candidate Starts for Avocadoman_25:
(Start: 9 @19701 has 57 MA's), (10, 19752), (12, 19830), (14, 19854), (15, 19863),

Gene: AylexOG_26 Start: 19973, Stop: 20200, Start Num: 9
Candidate Starts for AylexOG_26:
(Start: 9 @19973 has 57 MA's), (10, 20024), (12, 20102), (14, 20126), (15, 20135),

Gene: BabyYoda_24 Start: 20329, Stop: 20580, Start Num: 9
Candidate Starts for BabyYoda_24:
(Start: 9 @20329 has 57 MA's), (11, 20464), (14, 20491), (15, 20500),

Gene: BelmontSKP_26 Start: 19946, Stop: 20173, Start Num: 9
Candidate Starts for BelmontSKP_26:
(Start: 9 @19946 has 57 MA's), (10, 19997), (12, 20075), (14, 20099), (15, 20108),

Gene: Bengal_25 Start: 19534, Stop: 19848, Start Num: 9
Candidate Starts for Bengal_25:
(Start: 9 @19534 has 57 MA's), (10, 19585), (12, 19663), (14, 19687), (15, 19696), (18, 19804),

Gene: BubbaBear_25 Start: 19636, Stop: 19863, Start Num: 9
Candidate Starts for BubbaBear_25:
(Start: 9 @19636 has 57 MA's), (10, 19687), (12, 19765), (14, 19789), (15, 19798),

Gene: Burritobowl_25 Start: 19702, Stop: 19983, Start Num: 9
Candidate Starts for Burritobowl_25:
(Start: 9 @19702 has 57 MA's), (10, 19753), (12, 19831), (14, 19855), (15, 19864),

Gene: CanFranMach_25 Start: 19635, Stop: 19871, Start Num: 9
Candidate Starts for CanFranMach_25:
(7, 19599), (Start: 9 @19635 has 57 MA's), (14, 19797), (15, 19806),

Gene: Cashington_25 Start: 19551, Stop: 19778, Start Num: 9
Candidate Starts for Cashington_25:

(Start: 9 @19551 has 57 MA's), (10, 19602), (12, 19680), (14, 19704), (15, 19713),

Gene: ChiliPepper_23 Start: 19892, Stop: 20143, Start Num: 9
Candidate Starts for ChiliPepper_23:
(Start: 9 @19892 has 57 MA's), (14, 20051), (15, 20060),

Gene: CroZenni_25 Start: 19540, Stop: 19767, Start Num: 9
Candidate Starts for CroZenni_25:
(Start: 9 @19540 has 57 MA's), (10, 19591), (12, 19669), (14, 19693), (15, 19702),

Gene: CupcakePrincess_25 Start: 19660, Stop: 19887, Start Num: 9
Candidate Starts for CupcakePrincess_25:
(Start: 9 @19660 has 57 MA's), (10, 19711), (12, 19789), (14, 19813), (15, 19822),

Gene: DickRichards_25 Start: 20032, Stop: 20259, Start Num: 9
Candidate Starts for DickRichards_25:
(Start: 9 @20032 has 57 MA's), (10, 20083), (12, 20161), (14, 20185), (15, 20194),

Gene: Didgeridoo_26 Start: 19764, Stop: 19994, Start Num: 9
Candidate Starts for Didgeridoo_26:
(Start: 9 @19764 has 57 MA's), (10, 19815), (14, 19917), (15, 19926),

Gene: DirtyBubble_24 Start: 20287, Stop: 20538, Start Num: 9
Candidate Starts for DirtyBubble_24:
(Start: 9 @20287 has 57 MA's), (11, 20422), (14, 20449), (15, 20458),

Gene: Dismas_23 Start: 19892, Stop: 20143, Start Num: 9
Candidate Starts for Dismas_23:
(Start: 9 @19892 has 57 MA's), (14, 20051), (15, 20060),

Gene: Doobus_25 Start: 19868, Stop: 20095, Start Num: 9
Candidate Starts for Doobus_25:
(Start: 9 @19868 has 57 MA's), (10, 19919), (12, 19997), (14, 20021), (15, 20030),

Gene: Elva_25 Start: 20251, Stop: 20505, Start Num: 9
Candidate Starts for Elva_25:
(Start: 9 @20251 has 57 MA's), (11, 20386), (14, 20413), (15, 20422),

Gene: Eula_25 Start: 19621, Stop: 19848, Start Num: 9
Candidate Starts for Eula_25:
(Start: 9 @19621 has 57 MA's), (10, 19672), (12, 19750), (14, 19774), (15, 19783),

Gene: Icarian_25 Start: 20166, Stop: 20417, Start Num: 9
Candidate Starts for Icarian_25:
(Start: 9 @20166 has 57 MA's), (11, 20301), (13, 20316), (14, 20328), (15, 20337),

Gene: IndyLu_25 Start: 19583, Stop: 19813, Start Num: 9
Candidate Starts for IndyLu_25:
(Start: 9 @19583 has 57 MA's), (10, 19634), (14, 19736), (15, 19745),

Gene: Jabb_25 Start: 19660, Stop: 19887, Start Num: 9
Candidate Starts for Jabb_25:
(Start: 9 @19660 has 57 MA's), (10, 19711), (12, 19789), (14, 19813), (15, 19822),

Gene: Johnathan_25 Start: 19641, Stop: 19868, Start Num: 9
Candidate Starts for Johnathan_25:
(Start: 9 @19641 has 57 MA's), (10, 19692), (12, 19770), (14, 19794), (15, 19803),

Gene: Jovita_25 Start: 19725, Stop: 19952, Start Num: 9
Candidate Starts for Jovita_25:
(Start: 9 @19725 has 57 MA's), (10, 19776), (12, 19854), (14, 19878), (15, 19887),

Gene: Kamdara_23 Start: 19891, Stop: 20142, Start Num: 9
Candidate Starts for Kamdara_23:
(Start: 9 @19891 has 57 MA's), (14, 20050), (15, 20059),

Gene: Kenzers_25 Start: 19611, Stop: 19838, Start Num: 9
Candidate Starts for Kenzers_25:
(Start: 9 @19611 has 57 MA's), (10, 19662), (12, 19740), (14, 19764), (15, 19773),

Gene: Kieran_23 Start: 19895, Stop: 20146, Start Num: 9
Candidate Starts for Kieran_23:
(Start: 9 @19895 has 57 MA's), (14, 20054), (15, 20063),

Gene: Lahqtemish_25 Start: 19634, Stop: 19861, Start Num: 9
Candidate Starts for Lahqtemish_25:
(Start: 9 @19634 has 57 MA's), (10, 19685), (12, 19763), (14, 19787), (15, 19796),

Gene: LimaBean_25 Start: 19637, Stop: 19864, Start Num: 9
Candidate Starts for LimaBean_25:
(Start: 9 @19637 has 57 MA's), (10, 19688), (12, 19766), (14, 19790), (15, 19799),

Gene: Loviatar_24 Start: 20261, Stop: 20512, Start Num: 9
Candidate Starts for Loviatar_24:
(Start: 9 @20261 has 57 MA's), (11, 20396), (14, 20423), (15, 20432),

Gene: Lynlen_25 Start: 19611, Stop: 19838, Start Num: 9
Candidate Starts for Lynlen_25:
(Start: 9 @19611 has 57 MA's), (10, 19662), (12, 19740), (14, 19764), (15, 19773),

Gene: Milomuff_26 Start: 20001, Stop: 20228, Start Num: 9
Candidate Starts for Milomuff_26:
(Start: 9 @20001 has 57 MA's), (10, 20052), (12, 20130), (14, 20154), (15, 20163),

Gene: MsUbiquitous_25 Start: 19660, Stop: 19887, Start Num: 9
Candidate Starts for MsUbiquitous_25:
(Start: 9 @19660 has 57 MA's), (10, 19711), (12, 19789), (14, 19813), (15, 19822),

Gene: Nicky22_26 Start: 20071, Stop: 20298, Start Num: 9
Candidate Starts for Nicky22_26:
(Start: 9 @20071 has 57 MA's), (10, 20122), (12, 20200), (14, 20224), (15, 20233), (16, 20245),

Gene: PastaFagioli_25 Start: 19625, Stop: 19852, Start Num: 9
Candidate Starts for PastaFagioli_25:
(Start: 9 @19625 has 57 MA's), (10, 19676), (12, 19754), (14, 19778), (15, 19787),

Gene: PhigPhack_26 Start: 19614, Stop: 19841, Start Num: 9
Candidate Starts for PhigPhack_26:
(Start: 9 @19614 has 57 MA's), (10, 19665), (12, 19743), (14, 19767), (15, 19776),

Gene: Phisb_25 Start: 19637, Stop: 19864, Start Num: 9
Candidate Starts for Phisb_25:
(Start: 9 @19637 has 57 MA's), (10, 19688), (12, 19766), (14, 19790), (15, 19799),

Gene: PondAmelia_25 Start: 20305, Stop: 20556, Start Num: 9
Candidate Starts for PondAmelia_25:
(Start: 9 @20305 has 57 MA's), (11, 20440), (14, 20467), (15, 20476),

Gene: QMacho_26 Start: 20104, Stop: 20331, Start Num: 9
Candidate Starts for QMacho_26:
(Start: 9 @20104 has 57 MA's), (10, 20155), (12, 20233), (14, 20257), (15, 20266),

Gene: Rona_23 Start: 19892, Stop: 20143, Start Num: 9
Candidate Starts for Rona_23:
(Start: 9 @19892 has 57 MA's), (14, 20051), (15, 20060),

Gene: SanaSana_25 Start: 20200, Stop: 20451, Start Num: 9
Candidate Starts for SanaSana_25:
(Start: 9 @20200 has 57 MA's), (11, 20335), (14, 20362), (15, 20371),

Gene: SansAfet_25 Start: 19548, Stop: 19775, Start Num: 9
Candidate Starts for SansAfet_25:
(Start: 9 @19548 has 57 MA's), (10, 19599), (12, 19677), (14, 19701), (15, 19710),

Gene: SarBear_25 Start: 19602, Stop: 19829, Start Num: 9
Candidate Starts for SarBear_25:
(Start: 9 @19602 has 57 MA's), (10, 19653), (12, 19731), (14, 19755), (15, 19764),

Gene: Sharkboy_23 Start: 19879, Stop: 20130, Start Num: 9
Candidate Starts for Sharkboy_23:
(Start: 9 @19879 has 57 MA's), (14, 20038), (15, 20047),

Gene: SirBeanington_25 Start: 19644, Stop: 19871, Start Num: 9
Candidate Starts for SirBeanington_25:
(Start: 9 @19644 has 57 MA's), (10, 19695), (12, 19773), (14, 19797), (15, 19806),

Gene: Slay_25 Start: 20144, Stop: 20371, Start Num: 9
Candidate Starts for Slay_25:
(Start: 9 @20144 has 57 MA's), (10, 20195), (12, 20273), (14, 20297), (15, 20306),

Gene: Softsoap_24 Start: 19372, Stop: 19599, Start Num: 9
Candidate Starts for Softsoap_24:
(Start: 9 @19372 has 57 MA's), (10, 19423), (12, 19501), (14, 19525), (15, 19534),

Gene: Solea_27 Start: 20001, Stop: 20228, Start Num: 9
Candidate Starts for Solea_27:
(Start: 9 @20001 has 57 MA's), (10, 20052), (12, 20130), (14, 20154), (15, 20163),

Gene: Stoor_24 Start: 20197, Stop: 20448, Start Num: 9

Candidate Starts for Stoor_24:
(Start: 9 @20197 has 57 MA's), (11, 20332), (14, 20359), (15, 20368),

Gene: Stromboli_24 Start: 20327, Stop: 20578, Start Num: 9
Candidate Starts for Stromboli_24:
(Start: 9 @20327 has 57 MA's), (11, 20462), (14, 20489), (15, 20498),

Gene: Swervy_25 Start: 19602, Stop: 19829, Start Num: 9
Candidate Starts for Swervy_25:
(Start: 9 @19602 has 57 MA's), (10, 19653), (12, 19731), (14, 19755), (15, 19764),

Gene: TukTuk_25 Start: 19660, Stop: 19887, Start Num: 9
Candidate Starts for TukTuk_25:
(Start: 9 @19660 has 57 MA's), (10, 19711), (12, 19789), (14, 19813), (15, 19822),

Gene: WalkingDead_24 Start: 20321, Stop: 20572, Start Num: 9
Candidate Starts for WalkingDead_24:
(1, 20006), (2, 20021), (3, 20054), (4, 20096), (5, 20162), (6, 20204), (8, 20300), (Start: 9 @20321 has 57 MA's), (11, 20456), (14, 20483), (15, 20492),