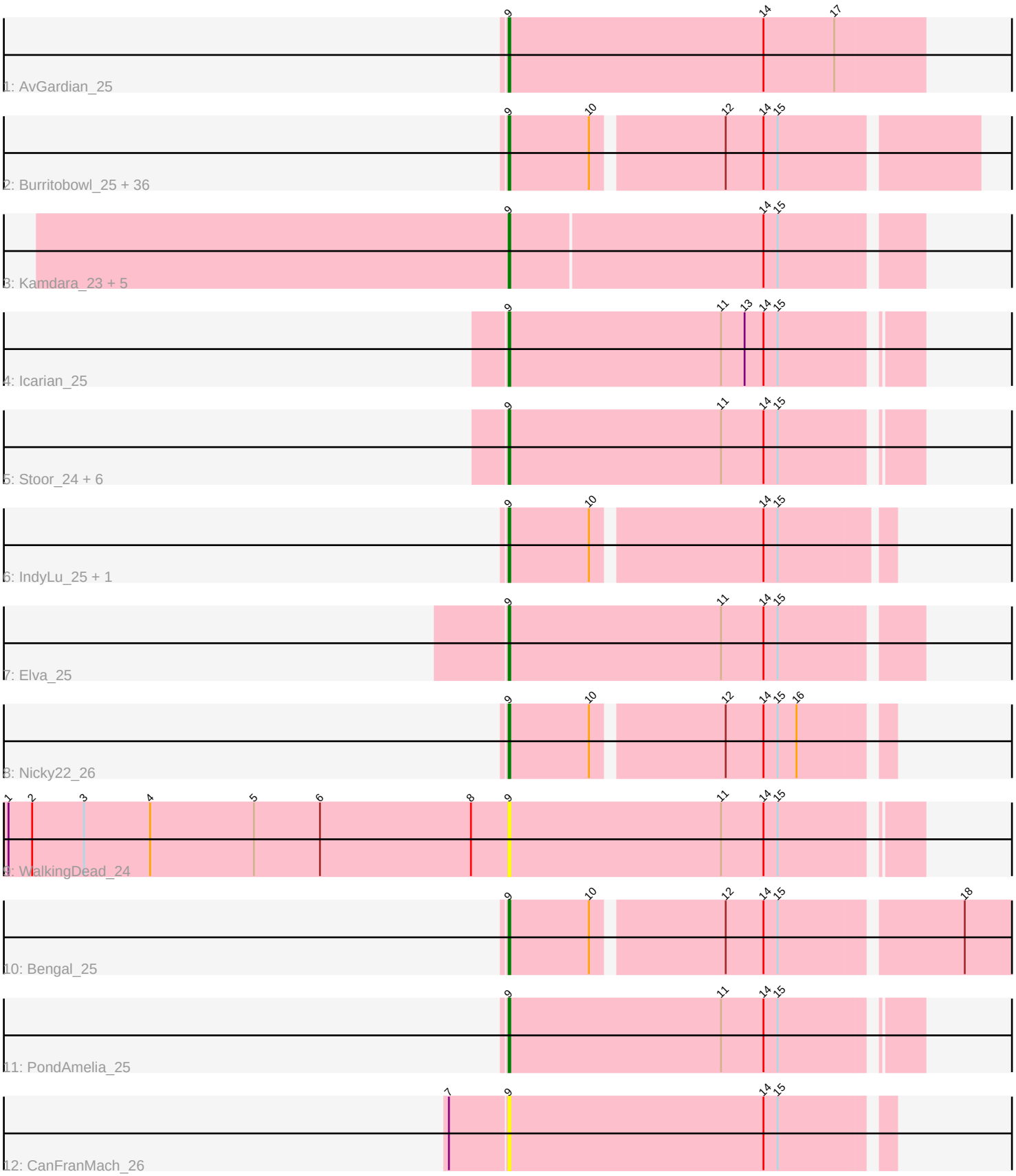
Pham 323279


1: AvGardian_25
2: Burritobowl_25 + 36
3: Kamdara_23 + 5
4: Icarian_25
5: Stoor_24 + 6
6: IndyLu_25 + 1
7: Elva_25
8: Nicky22_26
9: WalkingDead_24
10: Bengal_25
11: PondAmelia_25
12: CanFranMach_26

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 323279 Report

This analysis was run 09/05/26 on database version 662.

Pham number 323279 has 60 members, 6 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 : Stoor_24, Loviatar_24, Akino08_23, BabyYoda_24, Stromboli_24, SanaSana_25, DirtyBubble_24
• Track 6 : IndyLu_25, Didgeridoo_26
• Track 7 : Elva_25
• Track 8 : Nicky22_26
• Track 9 : WalkingDead_24
• Track 10 : Bengal_25
• Track 11 : PondAmelia_25
• Track 12 : CanFranMach_26

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 54 of the 54 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_26, 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: 54 of 54
• 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_26 (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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 MA's), (10, 19753), (12, 19831), (14, 19855), (15, 19864),

Gene: CanFranMach_26 Start: 19635, Stop: 19871, Start Num: 9
Candidate Starts for CanFranMach_26:
(7, 19599), (Start: 9 @19635 has 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 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 54 MA's), (11, 20456), (14, 20483), (15, 20492),