Pham 289405

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 289405 Report

This analysis was run 03/28/26 on database version 641.

Pham number 289405 has 64 members, 14 are drafts.

Phages represented in each track:
• Track 1 : Enceladus_3, Appletree2_3, Calm_3, Silverleaf_3, Zaria_3, Wamburgrxpress_3, MAckerman_3, Wyatt2_3, CicholasNage_3, Halena_3, DirkDirk_3, Acquire49_3, Rose5_3
• Track 2 : UPIE_3, LeBron_3
• Track 3 : OhShagHennessy_3, Tyson_3, AvadaKedavra_3, JoeDirt_3, Poochiewood_3
• Track 4 : Kahlid_3, Sarshaun_3
• Track 5 : OverPar_3, Hafay_3, DrSeegs_3, Wilder_3, Netyap_3, Nicholasp3_3, Breezona_3, SoJulia_3, Underpass_3, Soap141_3, Miley16_3, Finemlucis_3, Gabriela_3, LilDestine_3, Vetrix_3, MkaliMitinis3_3, Faith1_3, Itos_3, BigCheese_3, Crossroads_3, Lewan_3, Loadrie_3, Winky_3, BobsGarage_3, Wigglewiggle_3, Lynnae_3, Gardann_3, Rumpelstiltskin_3
• Track 6 : GuuelaD_3
• Track 7 : Zakai_3, Rossetti_3
• Track 8 : Archie_3
• Track 9 : Claus_3
• Track 10 : MiniLon_3
• Track 11 : DyoEdafos_4, Douzhi_3, Quby_3, BrainDrainer_3, PYPDinur_3, Sheng711_3
• Track 12 : Kropertea_3
• Track 13 : Douge_3

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 40 of the 50 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Acquire49_3, Appletree2_3, Archie_3, BigCheese_3, BobsGarage_3, Breezona_3, Calm_3, CicholasNage_3, Claus_3, Crossroads_3, DirkDirk_3, DrSeegs_3, Enceladus_3, Faith1_3, Finemlucis_3, Gabriela_3, Gardann_3, GuuelaD_3, Hafay_3, Halena_3, Itos_3, Lewan_3, LilDestine_3, Loadrie_3, Lynnae_3, MAckerman_3, Miley16_3, MkaliMitinis3_3, Netyap_3, Nicholasp3_3, OverPar_3, Rose5_3, Rossetti_3, Rumpelstiltskin_3, Silverleaf_3, SoJulia_3, Soap141_3, Underpass_3,

Vetrix_3, Wamburgrxpress_3, Wigglewiggle_3, Wilder_3, Winky_3, Wyatt2_3, Zakai_3, Zaria_3,

Genes that have the "Most Annotated" start but do not call it:
• AvadaKedavra_3, BrainDrainer_3, Douge_3, Douzhi_3, DyoEdafos_4, JoeDirt_3, Kahlid_3, Kropertea_3, LeBron_3, OhShagHennessy_3, PYPDinur_3, Poochiewood_3, Quby_3, Sarshaun_3, Sheng711_3, Tyson_3, UPIE_3,

Genes that do not have the "Most Annotated" start:
• MiniLon_3,

Summary by start number:

Start 2:
• Found in 63 of 64 (98.4%) of genes in pham
• Manual Annotations of this start: 40 of 50
• Called 73.0% of time when present
• Phage (with cluster) where this start called: Acquire49_3 (L1), Appletree2_3 (L1), Archie_3 (L2), BigCheese_3 (L2), BobsGarage_3 (L2), Breezona_3 (L2), Calm_3 (L1), CicholasNage_3 (L1), Claus_3 (L2), Crossroads_3 (L2), DirkDirk_3 (L1), DrSeegs_3 (L2), Enceladus_3 (L1), Faith1_3 (L2), Finemlucis_3 (L2), Gabriela_3 (L2), Gardann_3 (L2), GuuelaD_3 (L2), Hafay_3 (L2), Halena_3 (L1), Itos_3 (L2), Lewan_3 (L2), LilDestine_3 (L2), Loadrie_3 (L2), Lynnae_3 (L2), MAckerman_3 (L1), Miley16_3 (L2), MkaliMitinis3_3 (L2), Netyap_3 (L2), Nicholasp3_3 (L2), OverPar_3 (L2), Rose5_3 (L1), Rossetti_3 (L2), Rumpelstiltskin_3 (L2), Silverleaf_3 (L1), SoJulia_3 (L2), Soap141_3 (L2), Underpass_3 (L2), Vetrix_3 (L2), Wamburgrxpress_3 (L1), Wigglewiggle_3 (L2), Wilder_3 (L2), Winky_3 (L2), Wyatt2_3 (L1), Zakai_3 (L2), Zaria_3 (L1),

Start 3:
• Found in 64 of 64 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 50
• Called 23.4% of time when present
• Phage (with cluster) where this start called: AvadaKedavra_3 (L1), BrainDrainer_3 (L4), Douzhi_3 (L4), DyoEdafos_4 (L4), JoeDirt_3 (L1), Kahlid_3 (L2), Kropertea_3 (L4), MiniLon_3 (L3), OhShagHennessy_3 (L1), PYPDinur_3 (L4), Poochiewood_3 (L1), Quby_3 (L4), Sarshaun_3 (L2), Sheng711_3 (L4), Tyson_3 (L1),

Start 4:
• Found in 63 of 64 (98.4%) of genes in pham
• Manual Annotations of this start: 3 of 50
• Called 4.8% of time when present
• Phage (with cluster) where this start called: Douge_3 (L4), LeBron_3 (L1), UPIE_3 (L1),

Summary by clusters:

There are 4 clusters represented in this pham: L4, L2, L3, L1,

Info for manual annotations of cluster L1:
•Start number 2 was manually annotated 13 times for cluster L1.
•Start number 3 was manually annotated 4 times for cluster L1.
•Start number 4 was manually annotated 2 times for cluster L1.

Info for manual annotations of cluster L2:
•Start number 2 was manually annotated 27 times for cluster L2.
•Start number 3 was manually annotated 1 time for cluster L2.

Info for manual annotations of cluster L3:
•Start number 3 was manually annotated 1 time for cluster L3.

Info for manual annotations of cluster L4:
•Start number 3 was manually annotated 1 time for cluster L4.
•Start number 4 was manually annotated 1 time for cluster L4.

Gene Information:

Gene: Acquire49_3 Start: 849, Stop: 1052, Start Num: 2
Candidate Starts for Acquire49_3:
(Start: 2 @849 has 40 MA's), (Start: 3 @858 has 7 MA's), (Start: 4 @861 has 3 MA's), (5, 888), (9, 1005),

Gene: Appletree2_3 Start: 822, Stop: 1025, Start Num: 2
Candidate Starts for Appletree2_3:
(Start: 2 @822 has 40 MA's), (Start: 3 @831 has 7 MA's), (Start: 4 @834 has 3 MA's), (5, 861), (9, 978),

Gene: Archie_3 Start: 831, Stop: 1034, Start Num: 2
Candidate Starts for Archie_3:
(Start: 2 @831 has 40 MA's), (Start: 3 @840 has 7 MA's), (Start: 4 @843 has 3 MA's), (6, 930), (7, 969),

Gene: AvadaKedavra_3 Start: 858, Stop: 1052, Start Num: 3
Candidate Starts for AvadaKedavra_3:
(Start: 2 @849 has 40 MA's), (Start: 3 @858 has 7 MA's), (Start: 4 @861 has 3 MA's), (5, 888), (9, 1005),

Gene: BigCheese_3 Start: 866, Stop: 1069, Start Num: 2
Candidate Starts for BigCheese_3:
(Start: 2 @866 has 40 MA's), (Start: 3 @875 has 7 MA's), (Start: 4 @878 has 3 MA's), (6, 965), (7, 1004),

Gene: BobsGarage_3 Start: 866, Stop: 1069, Start Num: 2
Candidate Starts for BobsGarage_3:
(Start: 2 @866 has 40 MA's), (Start: 3 @875 has 7 MA's), (Start: 4 @878 has 3 MA's), (6, 965), (7, 1004),

Gene: BrainDrainer_3 Start: 613, Stop: 771, Start Num: 3
Candidate Starts for BrainDrainer_3:
(Start: 2 @604 has 40 MA's), (Start: 3 @613 has 7 MA's), (Start: 4 @616 has 3 MA's),

Gene: Breezona_3 Start: 866, Stop: 1069, Start Num: 2
Candidate Starts for Breezona_3:

(Start: 2 @866 has 40 MA's), (Start: 3 @875 has 7 MA's), (Start: 4 @878 has 3 MA's), (6, 965), (7, 1004),

Gene: Calm_3 Start: 849, Stop: 1052, Start Num: 2
Candidate Starts for Calm_3:
(Start: 2 @849 has 40 MA's), (Start: 3 @858 has 7 MA's), (Start: 4 @861 has 3 MA's), (5, 888), (9, 1005),

Gene: CicholasNage_3 Start: 850, Stop: 1053, Start Num: 2
Candidate Starts for CicholasNage_3:
(Start: 2 @850 has 40 MA's), (Start: 3 @859 has 7 MA's), (Start: 4 @862 has 3 MA's), (5, 889), (9, 1006),

Gene: Claus_3 Start: 878, Stop: 1081, Start Num: 2
Candidate Starts for Claus_3:
(Start: 2 @878 has 40 MA's), (Start: 3 @887 has 7 MA's), (Start: 4 @890 has 3 MA's), (6, 977), (7, 1016),

Gene: Crossroads_3 Start: 866, Stop: 1069, Start Num: 2
Candidate Starts for Crossroads_3:
(Start: 2 @866 has 40 MA's), (Start: 3 @875 has 7 MA's), (Start: 4 @878 has 3 MA's), (6, 965), (7, 1004),

Gene: DirkDirk_3 Start: 850, Stop: 1053, Start Num: 2
Candidate Starts for DirkDirk_3:
(Start: 2 @850 has 40 MA's), (Start: 3 @859 has 7 MA's), (Start: 4 @862 has 3 MA's), (5, 889), (9, 1006),

Gene: Douge_3 Start: 616, Stop: 771, Start Num: 4
Candidate Starts for Douge_3:
(Start: 2 @604 has 40 MA's), (Start: 3 @613 has 7 MA's), (Start: 4 @616 has 3 MA's),

Gene: Douzhi_3 Start: 613, Stop: 771, Start Num: 3
Candidate Starts for Douzhi_3:
(Start: 2 @604 has 40 MA's), (Start: 3 @613 has 7 MA's), (Start: 4 @616 has 3 MA's),

Gene: DrSeegs_3 Start: 866, Stop: 1069, Start Num: 2
Candidate Starts for DrSeegs_3:
(Start: 2 @866 has 40 MA's), (Start: 3 @875 has 7 MA's), (Start: 4 @878 has 3 MA's), (6, 965), (7, 1004),

Gene: DyoEdafos_4 Start: 803, Stop: 958, Start Num: 3
Candidate Starts for DyoEdafos_4:
(Start: 2 @794 has 40 MA's), (Start: 3 @803 has 7 MA's), (Start: 4 @806 has 3 MA's),

Gene: Enceladus_3 Start: 850, Stop: 1053, Start Num: 2
Candidate Starts for Enceladus_3:
(Start: 2 @850 has 40 MA's), (Start: 3 @859 has 7 MA's), (Start: 4 @862 has 3 MA's), (5, 889), (9, 1006),

Gene: Faith1_3 Start: 866, Stop: 1069, Start Num: 2
Candidate Starts for Faith1_3:

(Start: 2 @866 has 40 MA's), (Start: 3 @875 has 7 MA's), (Start: 4 @878 has 3 MA's), (6, 965), (7, 1004),

Gene: Finemlucis_3 Start: 866, Stop: 1069, Start Num: 2
Candidate Starts for Finemlucis_3:
(Start: 2 @866 has 40 MA's), (Start: 3 @875 has 7 MA's), (Start: 4 @878 has 3 MA's), (6, 965), (7, 1004),

Gene: Gabriela_3 Start: 866, Stop: 1069, Start Num: 2
Candidate Starts for Gabriela_3:
(Start: 2 @866 has 40 MA's), (Start: 3 @875 has 7 MA's), (Start: 4 @878 has 3 MA's), (6, 965), (7, 1004),

Gene: Gardann_3 Start: 866, Stop: 1069, Start Num: 2
Candidate Starts for Gardann_3:
(Start: 2 @866 has 40 MA's), (Start: 3 @875 has 7 MA's), (Start: 4 @878 has 3 MA's), (6, 965), (7, 1004),

Gene: GuuelaD_3 Start: 866, Stop: 1069, Start Num: 2
Candidate Starts for GuuelaD_3:
(Start: 2 @866 has 40 MA's), (Start: 3 @875 has 7 MA's), (Start: 4 @878 has 3 MA's), (5, 905), (6, 965), (7, 1004),

Gene: Hafay_3 Start: 866, Stop: 1069, Start Num: 2
Candidate Starts for Hafay_3:
(Start: 2 @866 has 40 MA's), (Start: 3 @875 has 7 MA's), (Start: 4 @878 has 3 MA's), (6, 965), (7, 1004),

Gene: Halena_3 Start: 849, Stop: 1052, Start Num: 2
Candidate Starts for Halena_3:
(Start: 2 @849 has 40 MA's), (Start: 3 @858 has 7 MA's), (Start: 4 @861 has 3 MA's), (5, 888), (9, 1005),

Gene: Itos_3 Start: 866, Stop: 1069, Start Num: 2
Candidate Starts for Itos_3:
(Start: 2 @866 has 40 MA's), (Start: 3 @875 has 7 MA's), (Start: 4 @878 has 3 MA's), (6, 965), (7, 1004),

Gene: JoeDirt_3 Start: 859, Stop: 1053, Start Num: 3
Candidate Starts for JoeDirt_3:
(Start: 2 @850 has 40 MA's), (Start: 3 @859 has 7 MA's), (Start: 4 @862 has 3 MA's), (5, 889), (9, 1006),

Gene: Kahlid_3 Start: 875, Stop: 1069, Start Num: 3
Candidate Starts for Kahlid_3:
(Start: 2 @866 has 40 MA's), (Start: 3 @875 has 7 MA's), (Start: 4 @878 has 3 MA's), (6, 965), (7, 1004),

Gene: Kropertea_3 Start: 613, Stop: 765, Start Num: 3
Candidate Starts for Kropertea_3:
(Start: 2 @604 has 40 MA's), (Start: 3 @613 has 7 MA's), (Start: 4 @616 has 3 MA's), (5, 643),

Gene: LeBron_3 Start: 862, Stop: 1053, Start Num: 4

Candidate Starts for LeBron_3:
(Start: 2 @850 has 40 MA's), (Start: 3 @859 has 7 MA's), (Start: 4 @862 has 3 MA's), (5, 889), (9, 1006),

Gene: Lewan_3 Start: 866, Stop: 1069, Start Num: 2
Candidate Starts for Lewan_3:
(Start: 2 @866 has 40 MA's), (Start: 3 @875 has 7 MA's), (Start: 4 @878 has 3 MA's), (6, 965), (7, 1004),

Gene: LilDestine_3 Start: 866, Stop: 1069, Start Num: 2
Candidate Starts for LilDestine_3:
(Start: 2 @866 has 40 MA's), (Start: 3 @875 has 7 MA's), (Start: 4 @878 has 3 MA's), (6, 965), (7, 1004),

Gene: Loadrie_3 Start: 866, Stop: 1069, Start Num: 2
Candidate Starts for Loadrie_3:
(Start: 2 @866 has 40 MA's), (Start: 3 @875 has 7 MA's), (Start: 4 @878 has 3 MA's), (6, 965), (7, 1004),

Gene: Lynnae_3 Start: 866, Stop: 1069, Start Num: 2
Candidate Starts for Lynnae_3:
(Start: 2 @866 has 40 MA's), (Start: 3 @875 has 7 MA's), (Start: 4 @878 has 3 MA's), (6, 965), (7, 1004),

Gene: MAckerman_3 Start: 849, Stop: 1052, Start Num: 2
Candidate Starts for MAckerman_3:
(Start: 2 @849 has 40 MA's), (Start: 3 @858 has 7 MA's), (Start: 4 @861 has 3 MA's), (5, 888), (9, 1005),

Gene: Miley16_3 Start: 866, Stop: 1069, Start Num: 2
Candidate Starts for Miley16_3:
(Start: 2 @866 has 40 MA's), (Start: 3 @875 has 7 MA's), (Start: 4 @878 has 3 MA's), (6, 965), (7, 1004),

Gene: MiniLon_3 Start: 869, Stop: 1045, Start Num: 3
Candidate Starts for MiniLon_3:
(1, 857), (Start: 3 @869 has 7 MA's), (8, 1007), (10, 1031),

Gene: MkaliMitinis3_3 Start: 866, Stop: 1069, Start Num: 2
Candidate Starts for MkaliMitinis3_3:
(Start: 2 @866 has 40 MA's), (Start: 3 @875 has 7 MA's), (Start: 4 @878 has 3 MA's), (6, 965), (7, 1004),

Gene: Netyap_3 Start: 866, Stop: 1069, Start Num: 2
Candidate Starts for Netyap_3:
(Start: 2 @866 has 40 MA's), (Start: 3 @875 has 7 MA's), (Start: 4 @878 has 3 MA's), (6, 965), (7, 1004),

Gene: Nicholasp3_3 Start: 866, Stop: 1069, Start Num: 2
Candidate Starts for Nicholasp3_3:
(Start: 2 @866 has 40 MA's), (Start: 3 @875 has 7 MA's), (Start: 4 @878 has 3 MA's), (6, 965), (7, 1004),

Gene: OhShagHennessy_3 Start: 831, Stop: 1025, Start Num: 3
Candidate Starts for OhShagHennessy_3:
(Start: 2 @822 has 40 MA's), (Start: 3 @831 has 7 MA's), (Start: 4 @834 has 3 MA's), (5, 861), (9, 978),

Gene: OverPar_3 Start: 866, Stop: 1069, Start Num: 2
Candidate Starts for OverPar_3:
(Start: 2 @866 has 40 MA's), (Start: 3 @875 has 7 MA's), (Start: 4 @878 has 3 MA's), (6, 965), (7, 1004),

Gene: PYPDinur_3 Start: 613, Stop: 771, Start Num: 3
Candidate Starts for PYPDinur_3:
(Start: 2 @604 has 40 MA's), (Start: 3 @613 has 7 MA's), (Start: 4 @616 has 3 MA's),

Gene: Poochiewood_3 Start: 858, Stop: 1052, Start Num: 3
Candidate Starts for Poochiewood_3:
(Start: 2 @849 has 40 MA's), (Start: 3 @858 has 7 MA's), (Start: 4 @861 has 3 MA's), (5, 888), (9, 1005),

Gene: Quby_3 Start: 613, Stop: 771, Start Num: 3
Candidate Starts for Quby_3:
(Start: 2 @604 has 40 MA's), (Start: 3 @613 has 7 MA's), (Start: 4 @616 has 3 MA's),

Gene: Rose5_3 Start: 849, Stop: 1052, Start Num: 2
Candidate Starts for Rose5_3:
(Start: 2 @849 has 40 MA's), (Start: 3 @858 has 7 MA's), (Start: 4 @861 has 3 MA's), (5, 888), (9, 1005),

Gene: Rossetti_3 Start: 866, Stop: 1069, Start Num: 2
Candidate Starts for Rossetti_3:
(Start: 2 @866 has 40 MA's), (Start: 3 @875 has 7 MA's), (Start: 4 @878 has 3 MA's), (6, 965), (7, 1004),

Gene: Rumpelstiltskin_3 Start: 866, Stop: 1069, Start Num: 2
Candidate Starts for Rumpelstiltskin_3:
(Start: 2 @866 has 40 MA's), (Start: 3 @875 has 7 MA's), (Start: 4 @878 has 3 MA's), (6, 965), (7, 1004),

Gene: Sarshaun_3 Start: 875, Stop: 1069, Start Num: 3
Candidate Starts for Sarshaun_3:
(Start: 2 @866 has 40 MA's), (Start: 3 @875 has 7 MA's), (Start: 4 @878 has 3 MA's), (6, 965), (7, 1004),

Gene: Sheng711_3 Start: 613, Stop: 771, Start Num: 3
Candidate Starts for Sheng711_3:
(Start: 2 @604 has 40 MA's), (Start: 3 @613 has 7 MA's), (Start: 4 @616 has 3 MA's),

Gene: Silverleaf_3 Start: 849, Stop: 1052, Start Num: 2
Candidate Starts for Silverleaf_3:
(Start: 2 @849 has 40 MA's), (Start: 3 @858 has 7 MA's), (Start: 4 @861 has 3 MA's), (5, 888), (9, 1005),

Gene: SoJulia_3 Start: 866, Stop: 1069, Start Num: 2

Candidate Starts for SoJulia_3:
(Start: 2 @866 has 40 MA's), (Start: 3 @875 has 7 MA's), (Start: 4 @878 has 3 MA's), (6, 965), (7, 1004),

Gene: Soap141_3 Start: 866, Stop: 1069, Start Num: 2
Candidate Starts for Soap141_3:
(Start: 2 @866 has 40 MA's), (Start: 3 @875 has 7 MA's), (Start: 4 @878 has 3 MA's), (6, 965), (7, 1004),

Gene: Tyson_3 Start: 858, Stop: 1052, Start Num: 3
Candidate Starts for Tyson_3:
(Start: 2 @849 has 40 MA's), (Start: 3 @858 has 7 MA's), (Start: 4 @861 has 3 MA's), (5, 888), (9, 1005),

Gene: UPIE_3 Start: 862, Stop: 1053, Start Num: 4
Candidate Starts for UPIE_3:
(Start: 2 @850 has 40 MA's), (Start: 3 @859 has 7 MA's), (Start: 4 @862 has 3 MA's), (5, 889), (9, 1006),

Gene: Underpass_3 Start: 866, Stop: 1069, Start Num: 2
Candidate Starts for Underpass_3:
(Start: 2 @866 has 40 MA's), (Start: 3 @875 has 7 MA's), (Start: 4 @878 has 3 MA's), (6, 965), (7, 1004),

Gene: Vetrix_3 Start: 866, Stop: 1069, Start Num: 2
Candidate Starts for Vetrix_3:
(Start: 2 @866 has 40 MA's), (Start: 3 @875 has 7 MA's), (Start: 4 @878 has 3 MA's), (6, 965), (7, 1004),

Gene: Wamburgrxpress_3 Start: 849, Stop: 1052, Start Num: 2
Candidate Starts for Wamburgrxpress_3:
(Start: 2 @849 has 40 MA's), (Start: 3 @858 has 7 MA's), (Start: 4 @861 has 3 MA's), (5, 888), (9, 1005),

Gene: Wigglewiggle_3 Start: 866, Stop: 1069, Start Num: 2
Candidate Starts for Wigglewiggle_3:
(Start: 2 @866 has 40 MA's), (Start: 3 @875 has 7 MA's), (Start: 4 @878 has 3 MA's), (6, 965), (7, 1004),

Gene: Wilder_3 Start: 866, Stop: 1069, Start Num: 2
Candidate Starts for Wilder_3:
(Start: 2 @866 has 40 MA's), (Start: 3 @875 has 7 MA's), (Start: 4 @878 has 3 MA's), (6, 965), (7, 1004),

Gene: Winky_3 Start: 866, Stop: 1069, Start Num: 2
Candidate Starts for Winky_3:
(Start: 2 @866 has 40 MA's), (Start: 3 @875 has 7 MA's), (Start: 4 @878 has 3 MA's), (6, 965), (7, 1004),

Gene: Wyatt2_3 Start: 849, Stop: 1052, Start Num: 2
Candidate Starts for Wyatt2_3:
(Start: 2 @849 has 40 MA's), (Start: 3 @858 has 7 MA's), (Start: 4 @861 has 3 MA's), (5, 888), (9, 1005),

Gene: Zakai_3 Start: 854, Stop: 1057, Start Num: 2
Candidate Starts for Zakai_3:
(Start: 2 @854 has 40 MA's), (Start: 3 @863 has 7 MA's), (Start: 4 @866 has 3 MA's), (6, 953), (7, 992),

Gene: Zaria_3 Start: 849, Stop: 1052, Start Num: 2
Candidate Starts for Zaria_3:
(Start: 2 @849 has 40 MA's), (Start: 3 @858 has 7 MA's), (Start: 4 @861 has 3 MA's), (5, 888), (9, 1005),