

Pham 216134



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 216134 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216134 has 69 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Pytheas_71, Angelique_64, Jablanski_71
- Track 2 : LonelyBoi_67
- Track 3 : Wrigley_73
- Track 4 : Cashline_67
- Track 5 : Posh_71
- Track 6 : BeeGee_73
- Track 7 : Confidence_69, Bunnybear_64, BaxterFox_73
- Track 8 : Pollux_72, Floral_70, Nettuno_61
- Track 9 : Bradissa_65, Lilas_65, EnalisNailo_64
- Track 10 : EMSquaredA_69, Marteena_68
- Track 11 : Ohgeesy_68, Attis_63, LordFarquaad_65, SoilAssassin_63
- Track 12 : Polly_64, Manasvini_68, Eudoria_67, Kita_68
- Track 13 : Herod_70, Sproutie_64, Bjanese7_61, Mocha12_64, Savage_64, Cynthia_64
- Track 14 : Bosnia_70
- Track 15 : WelcomeAyanna_69, ThankyouJordi_69
- Track 16 : Agueybana_71
- Track 17 : Hyzer_83
- Track 18 : Maridalia_69
- Track 19 : Tayonia_67, Trumpet_67, Neobush_69, Suscepit_67, Zameen_67
- Track 20 : Bialota_65
- Track 21 : GemG_64, TuertoX_64, Ebert_68, Gizermo_64, AlumE_68, PantheRoc_72, Sahara_63, Whiteclaw_64, Clap_64, JCole_60, BoyNamedSue_68, Haley23_64, Lamberg_60, Hugley_68
- Track 22 : Yeet412_63, EdnaMode_63, Pickett_62
- Track 23 : Matteo_58, Zirinka_65
- Track 24 : FroggyToad_64
- Track 25 : Yeezy_71
- Track 26 : Moosehead_67
- Track 27 : Sidious_68
- Track 28 : MakCheese_74

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

The start number called the most often in the published annotations is 16, it was called in 51 of the 64 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Agueybana_71, AlumE_68, Angelique_64, Attis_63, BaxterFox_73, BeeGee_73, Bosnia_70, BoyNamedSue_68, Bradissa_65, Bunnybear_64, Cashline_67, Clap_64, Confidence_69, EMSquaredA_69, Ebert_68, EdnaMode_63, EnalisNailo_64, Eudoria_67, Floral_70, FroggyToad_64, GemG_64, Gizermo_64, Haley23_64, Hugley_68, Hyzer_83, JCole_60, Jablanski_71, Kita_68, Lamberg_60, Lilas_65, LonelyBoi_67, LordFarquaad_65, MakCheese_74, Manasvini_68, Maridalia_69, Marteena_68, Matteo_58, Moosehead_67, Nettuno_61, Ohgeesy_68, PantheRoc_72, Pickett_62, Pollux_72, Polly_64, Pytheas_71, Sahara_63, Sidious_68, SoilAssassin_63, ThankyouJordi_69, TuertoX_64, WelcomeAyanna_69, Whiteclaw_64, Wrigley_73, Yeet412_63, Yeezy_71, Zirinka_65,

Genes that have the "Most Annotated" start but do not call it:

- Bialota_65, Bjanes7_61, Cynthia_64, Herod_70, Mocha12_64, Neobush_69, Posh_71, Savage_64, Sproutie_64, Suscepit_67, Tayonia_67, Trumpet_67, Zameen_67,

Genes that do not have the "Most Annotated" start:

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Summary by start number:

Start 11:

- Found in 11 of 69 (15.9%) of genes in pham
- Manual Annotations of this start: 5 of 64
- Called 45.5% of time when present
- Phage (with cluster) where this start called: Neobush_69 (CZ1), Suscepit_67 (CZ1), Tayonia_67 (CZ1), Trumpet_67 (CZ1), Zameen_67 (CZ1),

Start 13:

- Found in 7 of 69 (10.1%) of genes in pham
- Manual Annotations of this start: 1 of 64
- Called 14.3% of time when present
- Phage (with cluster) where this start called: Posh_71 (CY),

Start 15:

- Found in 31 of 69 (44.9%) of genes in pham
- Manual Annotations of this start: 7 of 64
- Called 22.6% of time when present
- Phage (with cluster) where this start called: Bialota_65 (CZ1), Bjanes7_61 (CZ2), Cynthia_64 (CZ2), Herod_70 (CZ1), Mocha12_64 (CZ2), Savage_64 (CZ2), Sproutie_64 (CZ2),

Start 16:

- Found in 69 of 69 (100.0%) of genes in pham
- Manual Annotations of this start: 51 of 64
- Called 81.2% of time when present
- Phage (with cluster) where this start called: Agueybana_71 (CZ1), AlumE_68 (CZ1), Angelique_64 (CY1), Attis_63 (CZ2), BaxterFox_73 (CZ3), BeeGee_73 (CY), Bosnia_70 (CZ1), BoyNamedSue_68 (CZ1), Bradissa_65 (CY1), Bunnybear_64 (CZ),

Cashline_67 (CY), Clap_64 (CZ2), Confidence_69 (CY1), EMsquaredA_69 (CY1), Ebert_68 (CZ2), EdnaMode_63 (CZ2), EnalisNailo_64 (CY1), Eudoria_67 (CZ1), Floral_70 (CY1), FroggyToad_64 (CZ2), GemG_64 (CZ2), Gizermo_64 (CZ2), Haley23_64 (CZ2), Hugley_68 (CZ1), Hyzer_83 (CZ1), JCole_60 (CZ2), Jablanski_71 (CY), Kita_68 (CZ1), Lamberg_60 (CZ2), Lilas_65 (CY1), LonelyBoi_67 (CY), LordFarquaad_65 (CZ2), MakCheese_74 (DW), Manasvini_68 (CZ1), Maridalia_69 (CZ1), Marteena_68 (CY1), Matteo_58 (CZ2), Moosehead_67 (CZ6), Nettuno_61 (CZ2), Ohgeesy_68 (CZ), PantheRoc_72 (CZ3), Pickett_62 (CZ2), Pollux_72 (CY1), Polly_64 (CZ1), Pytheas_71 (CY), Sahara_63 (CZ2), Sidious_68 (CZ7), SoilAssassin_63 (CZ2), ThankyouJordi_69 (CZ1), TuertoX_64 (CZ2), WelcomeAyanna_69 (CZ1), Whiteclaw_64 (CZ2), Wrigley_73 (CY), Yeet412_63 (CZ2), Yeezy_71 (CZ3), Zirinka_65 (CZ1),

Summary by clusters:

There are 9 clusters represented in this pham: CY1, CZ2, CZ3, CZ1, CZ6, CZ7, CZ, CY, DW,

Info for manual annotations of cluster CY:

- Start number 13 was manually annotated 1 time for cluster CY.
- Start number 16 was manually annotated 6 times for cluster CY.

Info for manual annotations of cluster CY1:

- Start number 16 was manually annotated 9 times for cluster CY1.

Info for manual annotations of cluster CZ:

- Start number 16 was manually annotated 2 times for cluster CZ.

Info for manual annotations of cluster CZ1:

- Start number 11 was manually annotated 5 times for cluster CZ1.
- Start number 15 was manually annotated 2 times for cluster CZ1.
- Start number 16 was manually annotated 12 times for cluster CZ1.

Info for manual annotations of cluster CZ2:

- Start number 15 was manually annotated 5 times for cluster CZ2.
- Start number 16 was manually annotated 17 times for cluster CZ2.

Info for manual annotations of cluster CZ3:

- Start number 16 was manually annotated 3 times for cluster CZ3.

Info for manual annotations of cluster CZ6:

- Start number 16 was manually annotated 1 time for cluster CZ6.

Info for manual annotations of cluster CZ7:

- Start number 16 was manually annotated 1 time for cluster CZ7.

Gene Information:

Gene: Agueybana_71 Start: 47176, Stop: 47385, Start Num: 16

Candidate Starts for Agueybana_71:

(Start: 16 @47176 has 51 MA's), (23, 47344),

Gene: AlumE_68 Start: 47032, Stop: 47241, Start Num: 16

Candidate Starts for AlumE_68:

(Start: 15 @47029 has 7 MA's), (Start: 16 @47032 has 51 MA's), (17, 47050),

Gene: Angelique_64 Start: 45493, Stop: 45702, Start Num: 16

Candidate Starts for Angelique_64:

(Start: 15 @45490 has 7 MA's), (Start: 16 @45493 has 51 MA's),

Gene: Attis_63 Start: 42906, Stop: 43115, Start Num: 16

Candidate Starts for Attis_63:

(Start: 16 @42906 has 51 MA's),

Gene: BaxterFox_73 Start: 48095, Stop: 48304, Start Num: 16

Candidate Starts for BaxterFox_73:

(Start: 16 @48095 has 51 MA's),

Gene: BeeGee_73 Start: 46616, Stop: 46825, Start Num: 16

Candidate Starts for BeeGee_73:

(5, 46499), (8, 46544), (9, 46547), (Start: 13 @46607 has 1 MA's), (Start: 16 @46616 has 51 MA's), (17, 46634), (18, 46670), (19, 46694),

Gene: Bialota_65 Start: 46220, Stop: 46432, Start Num: 15

Candidate Starts for Bialota_65:

(Start: 15 @46220 has 7 MA's), (Start: 16 @46223 has 51 MA's), (17, 46241),

Gene: Bjanes7_61 Start: 40957, Stop: 41169, Start Num: 15

Candidate Starts for Bjanes7_61:

(Start: 15 @40957 has 7 MA's), (Start: 16 @40960 has 51 MA's), (17, 40978),

Gene: Bosnia_70 Start: 48876, Stop: 49085, Start Num: 16

Candidate Starts for Bosnia_70:

(Start: 16 @48876 has 51 MA's), (21, 49011),

Gene: BoyNamedSue_68 Start: 47032, Stop: 47241, Start Num: 16

Candidate Starts for BoyNamedSue_68:

(Start: 15 @47029 has 7 MA's), (Start: 16 @47032 has 51 MA's), (17, 47050),

Gene: Bradissa_65 Start: 46590, Stop: 46799, Start Num: 16

Candidate Starts for Bradissa_65:

(Start: 15 @46587 has 7 MA's), (Start: 16 @46590 has 51 MA's),

Gene: Bunnybear_64 Start: 45915, Stop: 46124, Start Num: 16

Candidate Starts for Bunnybear_64:

(Start: 16 @45915 has 51 MA's),

Gene: Cashline_67 Start: 47329, Stop: 47538, Start Num: 16

Candidate Starts for Cashline_67:

(Start: 15 @47326 has 7 MA's), (Start: 16 @47329 has 51 MA's),

Gene: Clap_64 Start: 41139, Stop: 41348, Start Num: 16

Candidate Starts for Clap_64:

(Start: 15 @41136 has 7 MA's), (Start: 16 @41139 has 51 MA's), (17, 41157),

Gene: Confidence_69 Start: 45016, Stop: 45225, Start Num: 16

Candidate Starts for Confidence_69:

(Start: 16 @45016 has 51 MA's),

Gene: Cynthia_64 Start: 41134, Stop: 41346, Start Num: 15

Candidate Starts for Cynthia_64:

(Start: 15 @41134 has 7 MA's), (Start: 16 @41137 has 51 MA's), (17, 41155),

Gene: EMSquaredA_69 Start: 46061, Stop: 46270, Start Num: 16

Candidate Starts for EMSquaredA_69:

(Start: 16 @46061 has 51 MA's), (24, 46238),

Gene: Ebert_68 Start: 41571, Stop: 41780, Start Num: 16

Candidate Starts for Ebert_68:

(Start: 15 @41568 has 7 MA's), (Start: 16 @41571 has 51 MA's), (17, 41589),

Gene: EdnaMode_63 Start: 41178, Stop: 41387, Start Num: 16

Candidate Starts for EdnaMode_63:

(Start: 16 @41178 has 51 MA's), (22, 41340),

Gene: EnalisNailo_64 Start: 46124, Stop: 46333, Start Num: 16

Candidate Starts for EnalisNailo_64:

(Start: 15 @46121 has 7 MA's), (Start: 16 @46124 has 51 MA's),

Gene: Eudoria_67 Start: 44549, Stop: 44758, Start Num: 16

Candidate Starts for Eudoria_67:

(1, 44357), (2, 44375), (3, 44408), (4, 44429), (6, 44459), (7, 44465), (10, 44489), (Start: 11 @44501 has 5 MA's), (Start: 16 @44549 has 51 MA's), (21, 44684),

Gene: Floral_70 Start: 47949, Stop: 48158, Start Num: 16

Candidate Starts for Floral_70:

(Start: 13 @47940 has 1 MA's), (Start: 16 @47949 has 51 MA's), (21, 48084),

Gene: FroggyToad_64 Start: 42421, Stop: 42630, Start Num: 16

Candidate Starts for FroggyToad_64:

(12, 42409), (Start: 13 @42412 has 1 MA's), (Start: 16 @42421 has 51 MA's), (21, 42556),

Gene: GemG_64 Start: 41143, Stop: 41352, Start Num: 16

Candidate Starts for GemG_64:

(Start: 15 @41140 has 7 MA's), (Start: 16 @41143 has 51 MA's), (17, 41161),

Gene: Gizermo_64 Start: 41139, Stop: 41348, Start Num: 16

Candidate Starts for Gizermo_64:

(Start: 15 @41136 has 7 MA's), (Start: 16 @41139 has 51 MA's), (17, 41157),

Gene: Haley23_64 Start: 41139, Stop: 41348, Start Num: 16

Candidate Starts for Haley23_64:

(Start: 15 @41136 has 7 MA's), (Start: 16 @41139 has 51 MA's), (17, 41157),

Gene: Herod_70 Start: 47971, Stop: 48183, Start Num: 15

Candidate Starts for Herod_70:

(Start: 15 @47971 has 7 MA's), (Start: 16 @47974 has 51 MA's), (17, 47992),

Gene: Hugley_68 Start: 47954, Stop: 48163, Start Num: 16

Candidate Starts for Hugley_68:

(Start: 15 @47951 has 7 MA's), (Start: 16 @47954 has 51 MA's), (17, 47972),

Gene: Hyzer_83 Start: 54137, Stop: 54346, Start Num: 16

Candidate Starts for Hyzer_83:

(Start: 16 @54137 has 51 MA's), (25, 54341),

Gene: JCole_60 Start: 39078, Stop: 39287, Start Num: 16

Candidate Starts for JCole_60:

(Start: 15 @39075 has 7 MA's), (Start: 16 @39078 has 51 MA's), (17, 39096),

Gene: Jablanski_71 Start: 48075, Stop: 48284, Start Num: 16

Candidate Starts for Jablanski_71:

(Start: 15 @48072 has 7 MA's), (Start: 16 @48075 has 51 MA's),

Gene: Kita_68 Start: 44558, Stop: 44767, Start Num: 16

Candidate Starts for Kita_68:

(1, 44366), (2, 44384), (3, 44417), (4, 44438), (6, 44468), (7, 44474), (10, 44498), (Start: 11 @44510 has 5 MA's), (Start: 16 @44558 has 51 MA's), (21, 44693),

Gene: Lamberg_60 Start: 39648, Stop: 39857, Start Num: 16

Candidate Starts for Lamberg_60:

(Start: 15 @39645 has 7 MA's), (Start: 16 @39648 has 51 MA's), (17, 39666),

Gene: Lilas_65 Start: 47662, Stop: 47871, Start Num: 16

Candidate Starts for Lilas_65:

(Start: 15 @47659 has 7 MA's), (Start: 16 @47662 has 51 MA's),

Gene: LonelyBoi_67 Start: 48115, Stop: 48324, Start Num: 16

Candidate Starts for LonelyBoi_67:

(Start: 16 @48115 has 51 MA's), (18, 48169),

Gene: LordFarquaad_65 Start: 42887, Stop: 43096, Start Num: 16

Candidate Starts for LordFarquaad_65:

(Start: 16 @42887 has 51 MA's),

Gene: MakCheese_74 Start: 47770, Stop: 47976, Start Num: 16

Candidate Starts for MakCheese_74:

(4, 47650), (6, 47680), (7, 47686), (10, 47710), (Start: 11 @47722 has 5 MA's), (Start: 16 @47770 has 51 MA's),

Gene: Manasvini_68 Start: 44573, Stop: 44782, Start Num: 16

Candidate Starts for Manasvini_68:

(1, 44381), (2, 44399), (3, 44432), (4, 44453), (6, 44483), (7, 44489), (10, 44513), (Start: 11 @44525 has 5 MA's), (Start: 16 @44573 has 51 MA's), (21, 44708),

Gene: Maridalia_69 Start: 45927, Stop: 46136, Start Num: 16

Candidate Starts for Maridalia_69:

(1, 45735), (2, 45753), (3, 45786), (4, 45807), (6, 45837), (7, 45843), (10, 45867), (Start: 11 @45879 has 5 MA's), (Start: 16 @45927 has 51 MA's),

Gene: Marteena_68 Start: 46061, Stop: 46270, Start Num: 16

Candidate Starts for Marteena_68:

(Start: 16 @46061 has 51 MA's), (24, 46238),

Gene: Matteo_58 Start: 39264, Stop: 39473, Start Num: 16

Candidate Starts for Matteo_58:

(Start: 15 @39261 has 7 MA's), (Start: 16 @39264 has 51 MA's), (17, 39282),

Gene: Mocha12_64 Start: 41136, Stop: 41348, Start Num: 15

Candidate Starts for Mocha12_64:

(Start: 15 @41136 has 7 MA's), (Start: 16 @41139 has 51 MA's), (17, 41157),

Gene: Moosehead_67 Start: 38275, Stop: 38475, Start Num: 16

Candidate Starts for Moosehead_67:

(Start: 16 @38275 has 51 MA's), (20, 38368),

Gene: Neobush_69 Start: 45069, Stop: 45326, Start Num: 11

Candidate Starts for Neobush_69:

(1, 44925), (2, 44943), (3, 44976), (4, 44997), (6, 45027), (7, 45033), (10, 45057), (Start: 11 @45069 has 5 MA's), (Start: 16 @45117 has 51 MA's), (21, 45252),

Gene: Nettuno_61 Start: 40024, Stop: 40233, Start Num: 16

Candidate Starts for Nettuno_61:

(Start: 13 @40015 has 1 MA's), (Start: 16 @40024 has 51 MA's), (21, 40159),

Gene: Ohgeesy_68 Start: 46352, Stop: 46561, Start Num: 16

Candidate Starts for Ohgeesy_68:

(Start: 16 @46352 has 51 MA's),

Gene: PantheRoc_72 Start: 47273, Stop: 47482, Start Num: 16

Candidate Starts for PantheRoc_72:

(Start: 15 @47270 has 7 MA's), (Start: 16 @47273 has 51 MA's), (17, 47291),

Gene: Pickett_62 Start: 39783, Stop: 39992, Start Num: 16

Candidate Starts for Pickett_62:

(Start: 16 @39783 has 51 MA's), (22, 39945),

Gene: Pollux_72 Start: 47949, Stop: 48158, Start Num: 16

Candidate Starts for Pollux_72:

(Start: 13 @47940 has 1 MA's), (Start: 16 @47949 has 51 MA's), (21, 48084),

Gene: Polly_64 Start: 43992, Stop: 44201, Start Num: 16

Candidate Starts for Polly_64:

(1, 43800), (2, 43818), (3, 43851), (4, 43872), (6, 43902), (7, 43908), (10, 43932), (Start: 11 @43944 has 5 MA's), (Start: 16 @43992 has 51 MA's), (21, 44127),

Gene: Posh_71 Start: 47814, Stop: 48032, Start Num: 13

Candidate Starts for Posh_71:

(8, 47751), (9, 47754), (Start: 13 @47814 has 1 MA's), (Start: 16 @47823 has 51 MA's), (17, 47841), (18, 47877),

Gene: Pytheas_71 Start: 48074, Stop: 48283, Start Num: 16

Candidate Starts for Pytheas_71:

(Start: 15 @48071 has 7 MA's), (Start: 16 @48074 has 51 MA's),

Gene: Sahara_63 Start: 40544, Stop: 40753, Start Num: 16

Candidate Starts for Sahara_63:

(Start: 15 @40541 has 7 MA's), (Start: 16 @40544 has 51 MA's), (17, 40562),

Gene: Savage_64 Start: 41136, Stop: 41348, Start Num: 15

Candidate Starts for Savage_64:

(Start: 15 @41136 has 7 MA's), (Start: 16 @41139 has 51 MA's), (17, 41157),

Gene: Sidious_68 Start: 46860, Stop: 47069, Start Num: 16

Candidate Starts for Sidious_68:

(Start: 15 @46857 has 7 MA's), (Start: 16 @46860 has 51 MA's),

Gene: SoilAssassin_63 Start: 42905, Stop: 43114, Start Num: 16

Candidate Starts for SoilAssassin_63:

(Start: 16 @42905 has 51 MA's),

Gene: Sproutie_64 Start: 41136, Stop: 41348, Start Num: 15

Candidate Starts for Sproutie_64:

(Start: 15 @41136 has 7 MA's), (Start: 16 @41139 has 51 MA's), (17, 41157),

Gene: Suscepit_67 Start: 44502, Stop: 44759, Start Num: 11

Candidate Starts for Suscepit_67:

(1, 44358), (2, 44376), (3, 44409), (4, 44430), (6, 44460), (7, 44466), (10, 44490), (Start: 11 @44502 has 5 MA's), (Start: 16 @44550 has 51 MA's), (21, 44685),

Gene: Tayonia_67 Start: 44501, Stop: 44758, Start Num: 11

Candidate Starts for Tayonia_67:

(1, 44357), (2, 44375), (3, 44408), (4, 44429), (6, 44459), (7, 44465), (10, 44489), (Start: 11 @44501 has 5 MA's), (Start: 16 @44549 has 51 MA's), (21, 44684),

Gene: ThankyouJordi_69 Start: 48057, Stop: 48260, Start Num: 16

Candidate Starts for ThankyouJordi_69:

(14, 48051), (Start: 16 @48057 has 51 MA's),

Gene: Trumpet_67 Start: 44502, Stop: 44759, Start Num: 11

Candidate Starts for Trumpet_67:

(1, 44358), (2, 44376), (3, 44409), (4, 44430), (6, 44460), (7, 44466), (10, 44490), (Start: 11 @44502 has 5 MA's), (Start: 16 @44550 has 51 MA's), (21, 44685),

Gene: TuertoX_64 Start: 41139, Stop: 41348, Start Num: 16

Candidate Starts for TuertoX_64:

(Start: 15 @41136 has 7 MA's), (Start: 16 @41139 has 51 MA's), (17, 41157),

Gene: WelcomeAyanna_69 Start: 48204, Stop: 48407, Start Num: 16

Candidate Starts for WelcomeAyanna_69:

(14, 48198), (Start: 16 @48204 has 51 MA's),

Gene: Whiteclaw_64 Start: 41139, Stop: 41348, Start Num: 16

Candidate Starts for Whiteclaw_64:

(Start: 15 @41136 has 7 MA's), (Start: 16 @41139 has 51 MA's), (17, 41157),

Gene: Wrigley_73 Start: 47406, Stop: 47615, Start Num: 16

Candidate Starts for Wrigley_73:

(8, 47334), (9, 47337), (Start: 13 @47397 has 1 MA's), (Start: 16 @47406 has 51 MA's), (17, 47424), (18, 47460),

Gene: Yeet412_63 Start: 42069, Stop: 42278, Start Num: 16

Candidate Starts for Yeet412_63:

(Start: 16 @42069 has 51 MA's), (22, 42231),

Gene: Yeezy_71 Start: 45402, Stop: 45611, Start Num: 16

Candidate Starts for Yeezy_71:

(Start: 16 @45402 has 51 MA's), (17, 45420), (21, 45537),

Gene: Zameen_67 Start: 44501, Stop: 44758, Start Num: 11

Candidate Starts for Zameen_67:

(1, 44357), (2, 44375), (3, 44408), (4, 44429), (6, 44459), (7, 44465), (10, 44489), (Start: 11 @44501 has 5 MA's), (Start: 16 @44549 has 51 MA's), (21, 44684),

Gene: Zirinka_65 Start: 46211, Stop: 46420, Start Num: 16

Candidate Starts for Zirinka_65:

(Start: 15 @46208 has 7 MA's), (Start: 16 @46211 has 51 MA's), (17, 46229),