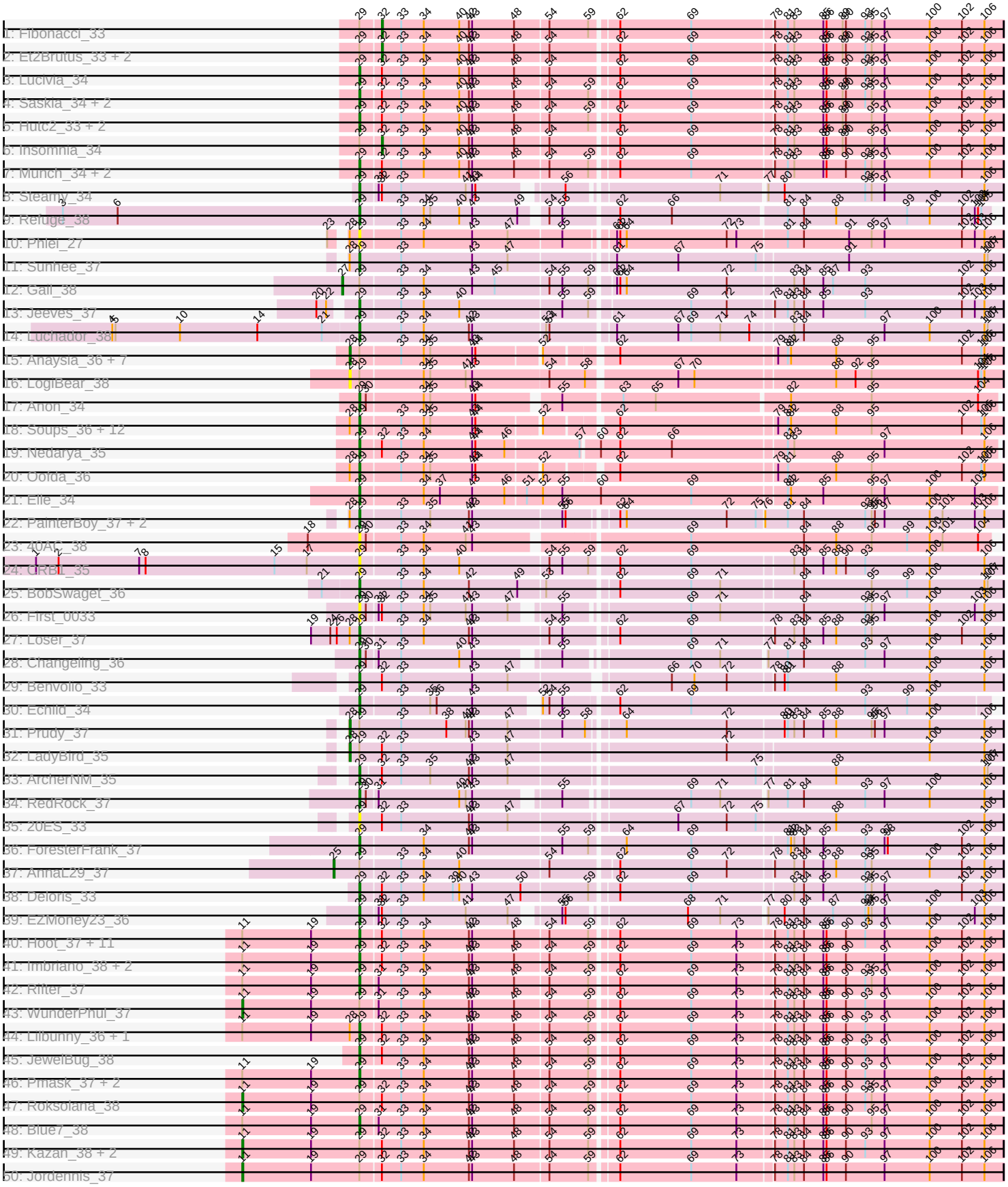
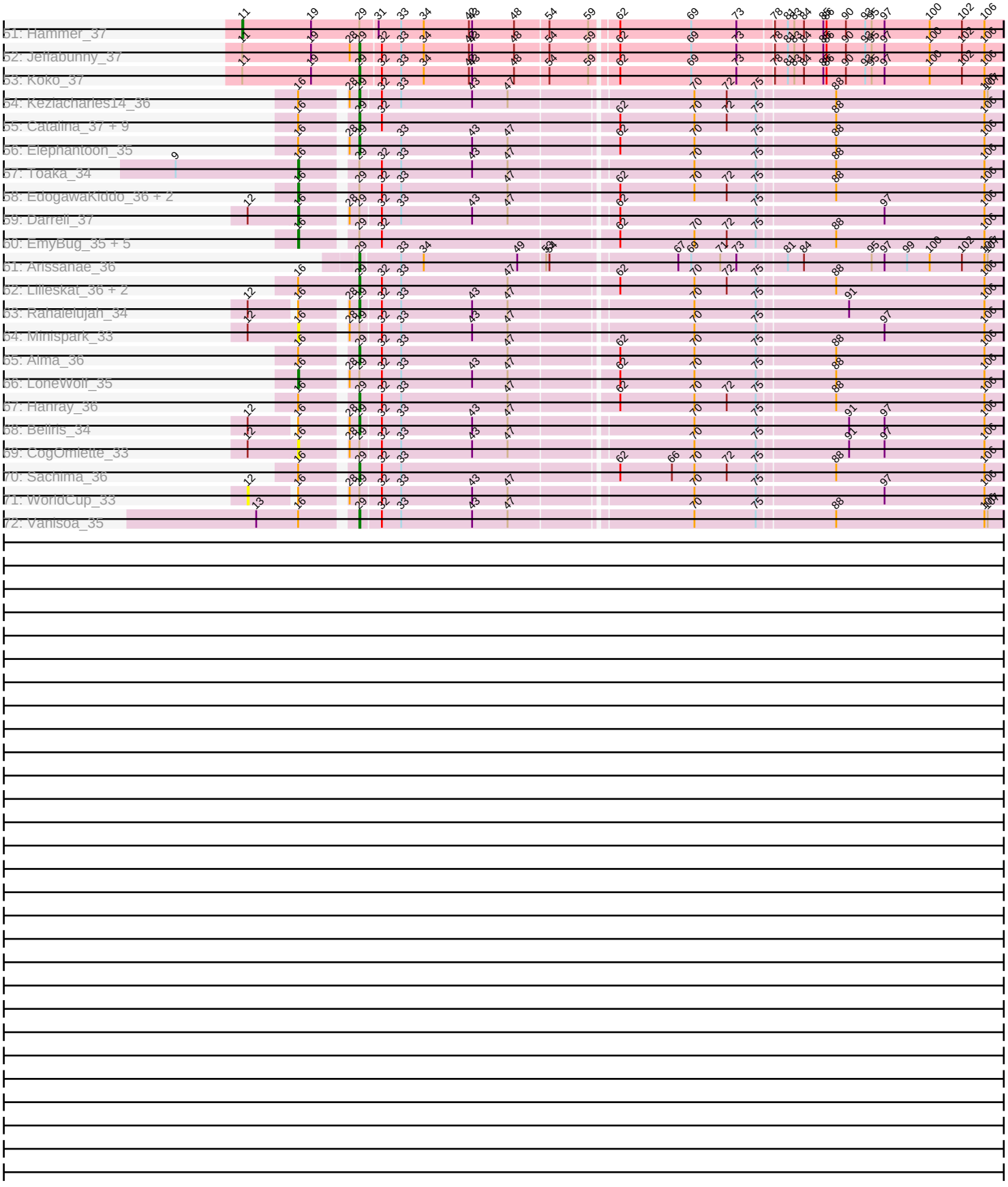
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1: Fibonacci_33
2: Et2Brutus_33 + 2
3: Lucivia_34
4: Saskia_34 + 2
5: Hutc2_33 + 2
6: Insomnia_34
7: Munch_34 + 2
8: Steamy_34
9: Refuge_38
10: Phiei_27
11: Sunnee_37
12: Gail_38
13: Jeeves_37
14: Luchador_38
15: Anaysia_36 + 7
16: LogiBear_38
17: Anon_34
18: Soups_36 + 12
19: Nedarya_35
20: Oofda_36
21: Elle_34
22: PainterBoy_37 + 2
23: 40AC_38
24: GREL_35
25: BobSwaget_36
26: First_0033
27: Loser_37
28: Changeling_36
29: Benvolio_33
30: Echild_34
31: Prudy_37
32: LadyBird_35
33: ArcherNM_35
34: RedRock_37
35: 20ES_33
36: ForesterFrank_37
37: AnnaL29_37
38: Deloris_33
39: EZMoney23_36
40: Hoot_37 + 11
41: Imbriano_38 + 2
42: Ritter_37
43: WunderPhul_37
44: Lilbunny_36 + 1
45: JewelBug_38
46: Pmask_37 + 2
47: Roksolana_38
48: Blue7_38
49: Kazan_38 + 2
50: Jordennis_37

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51: Hammer_37
52: Jellabunny_37
53: Koko_37
54: Kezlacharles14_36
55: Catalina_37 + 9
56: Elephantoon_35
57: Toaka_34
58: EdogawaKiddo_36 + 2
59: Darrell_37
60: EmyBug_35 + 5
61: Arissanae_36
62: Lilleskat_36 + 2
63: Rahalelujah_34
64: Minispark_33
65: Alma_36
66: LoneWolf_35
67: Hanray_36
68: Bellris_34
69: CogOmlette_33
70: Sachima_36
71: WorldCup_33
72: Vanisoa_35

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 347368 Report

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

Pham number 347368 has 137 members, 9 are drafts.

Phages represented in each track:
- Track 1 : Fibonacci_33
- Track 2 : Et2Brutus_33, Kimba_34, TinyTimmy_34
- Track 3 : Lucivia_34
- Track 4 : Saskia_34, Sham4_33, Flaverint_34
- Track 5 : Hutc2_33, Bowtie_34, Bud_33
- Track 6 : Insomnia_34
- Track 7 : Munch_34, Jabith_34, Aneem_34
- Track 8 : Steamy_34
- Track 9 : Refuge_38
- Track 10 : Phlei_27
- Track 11 : Sunhee_37
- Track 12 : Gail_38
- Track 13 : Jeeves_37
- Track 14 : Luchador_38
- Track 15 : Anaysia_36, Ravana_36, MinecraftSteve_37, Switzerland_36, Boohoo_36, DekHockey33_36, Battleship_37, Strosahl_36
- Track 16 : LogiBear_38
- Track 17 : Anon_34
- Track 18 : Soups_36, Warrior24_36, LastResort_36, Waits_36, Remus_36, KatherineG_36, Rosalind_36, Nebulosus_36, Epsocamisio_36, JSwag_36, ReMo_36, Looper_37, ShayRa_37
- Track 19 : Nedarya_35
- Track 20 : Oofda_36
- Track 21 : Elle_34
- Track 22 : PainterBoy_37, EagleEye_38, Lucyedi_37
- Track 23 : 40AC_38
- Track 24 : CRB1_35
- Track 25 : BobSwaget_36
- Track 26 : First_0033
- Track 27 : Loser_37
- Track 28 : Changeling_36
- Track 29 : Benvolio_33
- Track 30 : Echild_34
- Track 31 : Prudy_37
- Track 32 : LadyBird_35
- Track 33 : ArcherNM_35
- Track 34 : RedRock_37

• Track 35 : 20ES_33
• Track 36 : ForesterFrank_37
• Track 37 : AnnaL29_37
• Track 38 : Deloris_33
• Track 39 : EZMoney23_36
• Track 40 : Hoot_37, EricB_37, BABullseye_37, Helmet_38, Newrala_37, Chartreuse_37, Cookiedough_37, Indra_39, Temprado_37, Candra_38, BennyP_37, Isiphiwo_37
• Track 41 : Imbriano_38, Dorothea_37, Polyphemus_37
• Track 42 : Rifter_37
• Track 43 : WunderPhul_37
• Track 44 : Lilbunny_36, Zulu_37
• Track 45 : JewelBug_38
• Track 46 : Pmask_37, Gladiator_37, SuperAwesome_37
• Track 47 : Roksolana_38
• Track 48 : Blue7_38
• Track 49 : Kazan_38, VohminGhazi_37, McFly_37
• Track 50 : Jordennis_37
• Track 51 : Hammer_37
• Track 52 : Jeffabunny_37
• Track 53 : Koko_37
• Track 54 : Keziacharles14_36
• Track 55 : Catalina_37, PackMan_35, Phaeder_36, Aliter_36, Eidsmoe_36, Conquerage_36, Myxus_36, Tubs_36, Priya_36, HortumSL17_36
• Track 56 : Elephantoon_35
• Track 57 : Toaka_34
• Track 58 : EdogawaKiddo_36, Jiawan_36, Onglai_35
• Track 59 : Darrell_37
• Track 60 : EmyBug_35, Ugenie5_32, Fayely_36, Spouty_36, Scherzo_35, Qobbit_36
• Track 61 : Arissanae_36
• Track 62 : Lilleskat_36, RyeScarlet_36, Holex_36
• Track 63 : Rahalelujah_34
• Track 64 : Minispark_33
• Track 65 : Alma_36
• Track 66 : LoneWolf_35
• Track 67 : Hanray_36
• Track 68 : Bellris_34
• Track 69 : CogOmlette_33
• Track 70 : Sachima_36
• Track 71 : WorldCup_33
• Track 72 : Vanisoa_35

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

The start number called the most often in the published annotations is 29, it was called in 92 of the 128 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

• 20ES_33, 40AC_38, Aliter_36, Alma_36, Aneem_34, Anon_34, ArcherNM_35, Arissanae_36, BABullseye_37, Bellris_34, BennyP_37, Benvolio_33, Blue7_38, BobSwaget_36, Bowtie_34, Bud_33, CRB1_35, Candra_38, Catalina_37, Changeling_36, Chartreuse_37, Conquerage_36, Cookiedough_37, Deloris_33, Dorothea_37, EZMoney23_36, EagleEye_38, Echild_34, Eidsmoe_36, Elephantoon_35, Elle_34, Epsocamisio_36, EricB_37, First_0033, Flaverint_34, ForesterFrank_37, Gladiator_37, Hanray_36, Helmet_38, Holex_36, Hoot_37, HortumSL17_36, Hutc2_33, Imbriano_38, Indra_39, Isiphiwo_37, JSwag_36, Jabith_34, Jeeves_37, Jeffabunny_37, JewelBug_38, KatherineG_36, Keziacharles14_36, Koko_37, LastResort_36, Lilbunny_36, Lilleskat_36, Looper_37, Loser_37, Luchador_38, Lucivia_34, Lucyedi_37, Munch_34, Myxus_36, Nebulosus_36, Nedarya_35, Newrala_37, Oofda_36, PackMan_35, PainterBoy_37, Phaeder_36, Phlei_27, Pmask_37, Polyphemus_37, Priya_36, Rahalelujah_34, ReMo_36, RedRock_37, Refuge_38, Remus_36, Rifter_37, Rosalind_36, RyeScarlet_36, Sachima_36, Saskia_34, Sham4_33, ShayRa_37, Soups_36, Steamy_34, Sunhee_37, SuperAwesome_37, Temprado_37, Tubs_36, Vanisoa_35, Waits_36, Warrior24_36, Zulu_37,

Genes that have the "Most Annotated" start but do not call it:
• Anaysia_36, AnnaL29_37, Battleship_37, Boohoo_36, CogOmlette_33, Darrell_37, DekHockey33_36, EdogawaKiddo_36, EmyBug_35, Et2Brutus_33, Fayely_36, Fibonacci_33, Gail_38, Hammer_37, Insomnia_34, Jiawan_36, Jordennis_37, Kazan_38, Kimba_34, LadyBird_35, LogiBear_38, LoneWolf_35, McFly_37, MinecraftSteve_37, Minispark_33, Onglai_35, Prudy_37, Qobbit_36, Ravana_36, Roksolana_38, Scherzo_35, Spouty_36, Strosahl_36, Switzerland_36, TinyTimmy_34, Toaka_34, Ugenie5_32, VohminGhazi_37, WorldCup_33, WunderPhul_37,

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

Summary by start number:

Start 11:
• Found in 31 of 137 (22.6%) of genes in pham
• Manual Annotations of this start: 7 of 128
• Called 22.6% of time when present
• Phage (with cluster) where this start called: Hammer_37 (A6), Jordennis_37 (A6), Kazan_38 (A6), McFly_37 (A6), Roksolana_38 (A6), VohminGhazi_37 (A6), WunderPhul_37 (A6),

Start 12:
• Found in 6 of 137 (4.4%) of genes in pham
• No Manual Annotations of this start.
• Called 16.7% of time when present
• Phage (with cluster) where this start called: WorldCup_33 (A9),

Start 16:
• Found in 36 of 137 (26.3%) of genes in pham
• Manual Annotations of this start: 12 of 128
• Called 38.9% of time when present
• Phage (with cluster) where this start called: CogOmlette_33 (A9), Darrell_37 (A9), EdogawaKiddo_36 (A9), EmyBug_35 (A9), Fayely_36 (A9), Jiawan_36 (A9),

LoneWolf_35 (A9), Minispark_33 (A9), Onglai_35 (A9), Qobbit_36 (A9), Scherzo_35 (A9), Spouty_36 (A9), Toaka_34 (A9), Ugenie5_32 (A9),

Start 25:
• Found in 1 of 137 (0.7%) of genes in pham
• Manual Annotations of this start: 1 of 128
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AnnaL29_37 (A2),

Start 27:
• Found in 1 of 137 (0.7%) of genes in pham
• Manual Annotations of this start: 1 of 128
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gail_38 (A14),

Start 28:
• Found in 43 of 137 (31.4%) of genes in pham
• Manual Annotations of this start: 10 of 128
• Called 25.6% of time when present
• Phage (with cluster) where this start called: Anaysia_36 (A15), Battleship_37 (A15), Boohoo_36 (A15), DekHockey33_36 (A15), LadyBird_35 (A2), LogiBear_38 (A15), MinecraftSteve_37 (A15), Prudy_37 (A2), Ravana_36 (A15), Strosahl_36 (A15), Switzerland_36 (A15),

Start 29:
• Found in 137 of 137 (100.0%) of genes in pham
• Manual Annotations of this start: 92 of 128
• Called 70.8% of time when present
• Phage (with cluster) where this start called: 20ES_33 (A2), 40AC_38 (A17), Aliter_36 (A9), Alma_36 (A9), Aneem_34 (A11), Anon_34 (A15), ArcherNM_35 (A2), Arissanae_36 (A9), BABullseye_37 (A6), Bellris_34 (A9), BennyP_37 (A6), Benvolio_33 (A2), Blue7_38 (A6), BobSwaget_36 (A2), Bowtie_34 (A11), Bud_33 (A11), CRB1_35 (A2), Candra_38 (A6), Catalina_37 (A9), Changeling_36 (A2), Chartreuse_37 (A6), Conquerage_36 (A9), Cookiedough_37 (A6), Deloris_33 (A2), Dorothea_37 (A6), EZMoney23_36 (A2), EagleEye_38 (A16), Echild_34 (A2), Eidsmoe_36 (A9), Elephantoon_35 (A9), Elle_34 (A15), Epsocamisio_36 (A15), EricB_37 (A6), First_0033 (A2), Flaverint_34 (A11), ForesterFrank_37 (A2), Gladiator_37 (A6), Hanray_36 (A9), Helmet_38 (A6), Holex_36 (A9), Hoot_37 (A6), HortumSL17_36 (A9), Hutc2_33 (A11), Imbriano_38 (A6), Indra_39 (A6), Isiphiwo_37 (A6), JSwag_36 (A15), Jabith_34 (A11), Jeeves_37 (A14), Jeffabunny_37 (A6), JewelBug_38 (A6), KatherineG_36 (A15), Keziacharles14_36 (A9), Koko_37 (A6), LastResort_36 (A15), Lilbunny_36 (A6), Lilleskat_36 (A9), Looper_37 (A15), Loser_37 (A2), Luchador_38 (A14), Lucivia_34 (A11), Lucyedi_37 (A16), Munch_34 (A11), Myxus_36 (A9), Nebulosus_36 (A15), Nedarya_35 (A15), Newrala_37 (A6), Oofda_36 (A15), PackMan_35 (A9), PainterBoy_37 (A16), Phaeder_36 (A9), Phlei_27 (A13), Pmask_37 (A6), Polyphemus_37 (A6), Priya_36 (A9), Rahalelujah_34 (A9), ReMo_36 (A15), RedRock_37 (A2), Refuge_38 (A12), Remus_36 (A15), Rifter_37 (A6), Rosalind_36 (A15), RyeScarlet_36 (A9), Sachima_36 (A9), Saskia_34 (A11), Sham4_33 (A11), ShayRa_37 (A15), Soups_36 (A15), Steamy_34 (A12), Sunhee_37 (A14), SuperAwesome_37 (A6), Temprado_37 (A6), Tubs_36 (A9), Vanisoa_35 (A9), Waits_36 (A15), Warrior24_36 (A15), Zulu_37 (A6),

Start 32:
• Found in 84 of 137 (61.3%) of genes in pham
• Manual Annotations of this start: 5 of 128
• Called 6.0% of time when present
• Phage (with cluster) where this start called: Et2Brutus_33 (A11), Fibonacci_33 (A11), Insomnia_34 (A11), Kimba_34 (A11), TinyTimmy_34 (A11),

Summary by clusters:

There are 10 clusters represented in this pham: A15, A14, A17, A16, A11, A13, A12, A2, A6, A9,

Info for manual annotations of cluster A11:
•Start number 29 was manually annotated 10 times for cluster A11.
•Start number 32 was manually annotated 5 times for cluster A11.

Info for manual annotations of cluster A12:
•Start number 29 was manually annotated 2 times for cluster A12.

Info for manual annotations of cluster A14:
•Start number 27 was manually annotated 1 time for cluster A14.
•Start number 29 was manually annotated 3 times for cluster A14.

Info for manual annotations of cluster A15:
•Start number 28 was manually annotated 8 times for cluster A15.
•Start number 29 was manually annotated 17 times for cluster A15.

Info for manual annotations of cluster A16:
•Start number 29 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A2:
•Start number 25 was manually annotated 1 time for cluster A2.
•Start number 28 was manually annotated 2 times for cluster A2.
•Start number 29 was manually annotated 10 times for cluster A2.

Info for manual annotations of cluster A6:
•Start number 11 was manually annotated 7 times for cluster A6.
•Start number 29 was manually annotated 25 times for cluster A6.

Info for manual annotations of cluster A9:
•Start number 16 was manually annotated 12 times for cluster A9.
•Start number 29 was manually annotated 22 times for cluster A9.

Gene Information:

Gene: 20ES_33 Start: 26076, Stop: 26657, Start Num: 29
Candidate Starts for 20ES_33:
(Start: 29 @26076 has 92 MA's), (Start: 32 @26097 has 5 MA's), (33, 26115), (42, 26178), (43, 26181), (47, 26214), (67, 26358), (72, 26403), (75, 26430), (88, 26502), (106, 26640),

Gene: 40AC_38 Start: 28399, Stop: 28962, Start Num: 29
Candidate Starts for 40AC_38:
(18, 28351), (Start: 29 @28399 has 92 MA's), (30, 28405), (33, 28435), (34, 28456), (41, 28495), (43, 28501), (69, 28684), (84, 28789), (88, 28819), (95, 28852), (99, 28885), (100, 28906), (101, 28918), (104, 28951),

Gene: Aliter_36 Start: 26941, Stop: 27522, Start Num: 29
Candidate Starts for Aliter_36:
(Start: 16 @26896 has 12 MA's), (Start: 29 @26941 has 92 MA's), (Start: 32 @26962 has 5 MA's), (62, 27172), (70, 27241), (72, 27271), (75, 27298), (88, 27367), (106, 27505),

Gene: Alma_36 Start: 27061, Stop: 27642, Start Num: 29
Candidate Starts for Alma_36:
(Start: 16 @27016 has 12 MA's), (Start: 29 @27061 has 92 MA's), (Start: 32 @27082 has 5 MA's), (33, 27100), (47, 27199), (62, 27292), (70, 27361), (75, 27418), (88, 27487), (106, 27625),

Gene: Anaysia_36 Start: 24673, Stop: 25248, Start Num: 28
Candidate Starts for Anaysia_36:
(Start: 28 @24673 has 10 MA's), (Start: 29 @24682 has 92 MA's), (33, 24718), (34, 24739), (35, 24745), (43, 24784), (44, 24787), (52, 24841), (62, 24898), (79, 25039), (81, 25048), (82, 25051), (88, 25093), (95, 25126), (102, 25210), (105, 25228), (106, 25231),

Gene: Aneem_34 Start: 26120, Stop: 26698, Start Num: 29
Candidate Starts for Aneem_34:
(Start: 29 @26120 has 92 MA's), (Start: 32 @26138 has 5 MA's), (33, 26156), (34, 26177), (40, 26210), (42, 26219), (43, 26222), (48, 26261), (54, 26291), (59, 26327), (62, 26348), (69, 26414), (78, 26486), (81, 26498), (83, 26504), (85, 26531), (86, 26534), (90, 26552), (93, 26570), (95, 26576), (97, 26588), (100, 26630), (102, 26660), (106, 26681),

Gene: AnnaL29_37 Start: 27751, Stop: 28353, Start Num: 25
Candidate Starts for AnnaL29_37:
(Start: 25 @27751 has 1 MA's), (Start: 29 @27775 has 92 MA's), (33, 27811), (34, 27832), (40, 27865), (54, 27946), (62, 28003), (69, 28069), (72, 28102), (78, 28141), (83, 28159), (84, 28168), (85, 28186), (88, 28198), (93, 28225), (95, 28231), (100, 28285), (102, 28315), (106, 28336),

Gene: Anon_34 Start: 24634, Stop: 25200, Start Num: 29
Candidate Starts for Anon_34:
(Start: 29 @24634 has 92 MA's), (30, 24640), (34, 24691), (35, 24697), (43, 24736), (44, 24739), (55, 24808), (63, 24859), (65, 24889), (82, 25009), (95, 25084), (104, 25183),

Gene: ArcherNM_35 Start: 27722, Stop: 28297, Start Num: 29
Candidate Starts for ArcherNM_35:
(Start: 29 @27722 has 92 MA's), (Start: 32 @27740 has 5 MA's), (33, 27758), (35, 27785), (42, 27821), (43, 27824), (47, 27857), (75, 28073), (88, 28142), (106, 28280), (107, 28283),

Gene: Arissanae_36 Start: 27790, Stop: 28368, Start Num: 29
Candidate Starts for Arissanae_36:
(Start: 29 @27790 has 92 MA's), (33, 27826), (34, 27847), (49, 27934), (53, 27958), (54, 27961), (67, 28072), (69, 28084), (71, 28111), (73, 28126), (81, 28168), (84, 28183), (95, 28246), (97, 28258), (99, 28279), (100, 28300), (102, 28330), (106, 28351), (107, 28354),

Gene: BABullseye_37 Start: 25152, Stop: 25730, Start Num: 29

Candidate Starts for BABullseye_37:
(Start: 11 @25044 has 7 MA's), (19, 25107), (Start: 29 @25152 has 92 MA's), (Start: 32 @25170 has 5 MA's), (33, 25188), (34, 25209), (42, 25251), (43, 25254), (48, 25293), (54, 25323), (59, 25359), (62, 25380), (69, 25446), (73, 25488), (78, 25518), (81, 25530), (83, 25536), (84, 25545), (85, 25563), (86, 25566), (90, 25584), (93, 25602), (97, 25620), (100, 25662), (102, 25692), (106, 25713),

Gene: Battleship_37 Start: 24785, Stop: 25360, Start Num: 28
Candidate Starts for Battleship_37:
(Start: 28 @24785 has 10 MA's), (Start: 29 @24794 has 92 MA's), (33, 24830), (34, 24851), (35, 24857), (43, 24896), (44, 24899), (52, 24953), (62, 25010), (79, 25151), (81, 25160), (82, 25163), (88, 25205), (95, 25238), (102, 25322), (105, 25340), (106, 25343),

Gene: Bellris_34 Start: 26115, Stop: 26690, Start Num: 29
Candidate Starts for Bellris_34:
(12, 26031), (Start: 16 @26070 has 12 MA's), (Start: 28 @26106 has 10 MA's), (Start: 29 @26115 has 92 MA's), (Start: 32 @26133 has 5 MA's), (33, 26151), (43, 26217), (47, 26250), (70, 26409), (75, 26466), (91, 26547), (97, 26580), (106, 26673),

Gene: BennyP_37 Start: 25074, Stop: 25652, Start Num: 29
Candidate Starts for BennyP_37:
(Start: 11 @24966 has 7 MA's), (19, 25029), (Start: 29 @25074 has 92 MA's), (Start: 32 @25092 has 5 MA's), (33, 25110), (34, 25131), (42, 25173), (43, 25176), (48, 25215), (54, 25245), (59, 25281), (62, 25302), (69, 25368), (73, 25410), (78, 25440), (81, 25452), (83, 25458), (84, 25467), (85, 25485), (86, 25488), (90, 25506), (93, 25524), (97, 25542), (100, 25584), (102, 25614), (106, 25635),

Gene: Benvolio_33 Start: 26067, Stop: 26642, Start Num: 29
Candidate Starts for Benvolio_33:
(Start: 29 @26067 has 92 MA's), (Start: 32 @26088 has 5 MA's), (33, 26106), (43, 26172), (47, 26205), (66, 26340), (70, 26361), (72, 26391), (78, 26430), (80, 26439), (81, 26442), (88, 26487), (100, 26574), (106, 26625),

Gene: Blue7_38 Start: 25064, Stop: 25642, Start Num: 29
Candidate Starts for Blue7_38:
(Start: 11 @24956 has 7 MA's), (19, 25019), (Start: 29 @25064 has 92 MA's), (31, 25079), (33, 25100), (34, 25121), (42, 25163), (43, 25166), (48, 25205), (54, 25235), (59, 25271), (62, 25292), (69, 25358), (73, 25400), (78, 25430), (81, 25442), (83, 25448), (84, 25457), (85, 25475), (86, 25478), (90, 25496), (95, 25520), (97, 25532), (100, 25574), (102, 25604), (106, 25625),

Gene: BobSwaget_36 Start: 27033, Stop: 27614, Start Num: 29
Candidate Starts for BobSwaget_36:
(21, 27000), (Start: 29 @27033 has 92 MA's), (33, 27072), (34, 27093), (42, 27135), (49, 27180), (53, 27204), (62, 27264), (69, 27330), (71, 27357), (84, 27429), (95, 27492), (99, 27525), (100, 27546), (106, 27597), (107, 27600),

Gene: Boohoo_36 Start: 24673, Stop: 25248, Start Num: 28
Candidate Starts for Boohoo_36:
(Start: 28 @24673 has 10 MA's), (Start: 29 @24682 has 92 MA's), (33, 24718), (34, 24739), (35, 24745), (43, 24784), (44, 24787), (52, 24841), (62, 24898), (79, 25039), (81, 25048), (82, 25051), (88, 25093), (95, 25126), (102, 25210), (105, 25228), (106, 25231),

Gene: Bowtie_34 Start: 26120, Stop: 26698, Start Num: 29
Candidate Starts for Bowtie_34:

(Start: 29 @26120 has 92 MA's), (Start: 32 @26138 has 5 MA's), (33, 26156), (34, 26177), (40, 26210), (42, 26219), (43, 26222), (48, 26261), (54, 26291), (59, 26327), (62, 26348), (69, 26414), (78, 26486), (81, 26498), (83, 26504), (85, 26531), (86, 26534), (89, 26549), (90, 26552), (95, 26576), (97, 26588), (100, 26630), (102, 26660), (106, 26681),

Gene: Bud_33 Start: 25675, Stop: 26253, Start Num: 29
Candidate Starts for Bud_33:
(Start: 29 @25675 has 92 MA's), (Start: 32 @25693 has 5 MA's), (33, 25711), (34, 25732), (40, 25765), (42, 25774), (43, 25777), (48, 25816), (54, 25846), (59, 25882), (62, 25903), (69, 25969), (78, 26041), (81, 26053), (83, 26059), (85, 26086), (86, 26089), (89, 26104), (90, 26107), (95, 26131), (97, 26143), (100, 26185), (102, 26215), (106, 26236),

Gene: CRB1_35 Start: 26733, Stop: 27314, Start Num: 29
Candidate Starts for CRB1_35:
(1, 26433), (2, 26454), (7, 26529), (8, 26535), (15, 26655), (17, 26685), (Start: 29 @26733 has 92 MA's), (33, 26769), (34, 26790), (40, 26823), (54, 26904), (55, 26916), (59, 26940), (62, 26964), (69, 27030), (83, 27120), (84, 27129), (85, 27147), (88, 27159), (90, 27168), (93, 27186), (100, 27246), (106, 27297),

Gene: Candra_38 Start: 25110, Stop: 25688, Start Num: 29
Candidate Starts for Candra_38:
(Start: 11 @25002 has 7 MA's), (19, 25065), (Start: 29 @25110 has 92 MA's), (Start: 32 @25128 has 5 MA's), (33, 25146), (34, 25167), (42, 25209), (43, 25212), (48, 25251), (54, 25281), (59, 25317), (62, 25338), (69, 25404), (73, 25446), (78, 25476), (81, 25488), (83, 25494), (84, 25503), (85, 25521), (86, 25524), (90, 25542), (93, 25560), (97, 25578), (100, 25620), (102, 25650), (106, 25671),

Gene: Catalina_37 Start: 27014, Stop: 27595, Start Num: 29
Candidate Starts for Catalina_37:
(Start: 16 @26969 has 12 MA's), (Start: 29 @27014 has 92 MA's), (Start: 32 @27035 has 5 MA's), (62, 27245), (70, 27314), (72, 27344), (75, 27371), (88, 27440), (106, 27578),

Gene: Changeling_36 Start: 27759, Stop: 28316, Start Num: 29
Candidate Starts for Changeling_36:
(Start: 29 @27759 has 92 MA's), (30, 27765), (31, 27774), (33, 27795), (40, 27849), (43, 27861), (55, 27927), (69, 28032), (71, 28059), (77, 28098), (81, 28116), (84, 28131), (93, 28188), (97, 28206), (100, 28248), (106, 28299),

Gene: Chartreuse_37 Start: 25021, Stop: 25599, Start Num: 29
Candidate Starts for Chartreuse_37:
(Start: 11 @24913 has 7 MA's), (19, 24976), (Start: 29 @25021 has 92 MA's), (Start: 32 @25039 has 5 MA's), (33, 25057), (34, 25078), (42, 25120), (43, 25123), (48, 25162), (54, 25192), (59, 25228), (62, 25249), (69, 25315), (73, 25357), (78, 25387), (81, 25399), (83, 25405), (84, 25414), (85, 25432), (86, 25435), (90, 25453), (93, 25471), (97, 25489), (100, 25531), (102, 25561), (106, 25582),

Gene: CogOmlette_33 Start: 26070, Stop: 26690, Start Num: 16
Candidate Starts for CogOmlette_33:
(12, 26031), (Start: 16 @26070 has 12 MA's), (Start: 28 @26106 has 10 MA's), (Start: 29 @26115 has 92 MA's), (Start: 32 @26133 has 5 MA's), (33, 26151), (43, 26217), (47, 26250), (70, 26409), (75, 26466), (91, 26547), (97, 26580), (106, 26673),

Gene: Conquerage_36 Start: 27043, Stop: 27624, Start Num: 29
Candidate Starts for Conquerage_36:

(Start: 16 @26998 has 12 MA's), (Start: 29 @27043 has 92 MA's), (Start: 32 @27064 has 5 MA's), (62, 27274), (70, 27343), (72, 27373), (75, 27400), (88, 27469), (106, 27607),

Gene: Cookiedough_37 Start: 25068, Stop: 25646, Start Num: 29
Candidate Starts for Cookiedough_37:
(Start: 11 @24960 has 7 MA's), (19, 25023), (Start: 29 @25068 has 92 MA's), (Start: 32 @25086 has 5 MA's), (33, 25104), (34, 25125), (42, 25167), (43, 25170), (48, 25209), (54, 25239), (59, 25275), (62, 25296), (69, 25362), (73, 25404), (78, 25434), (81, 25446), (83, 25452), (84, 25461), (85, 25479), (86, 25482), (90, 25500), (93, 25518), (97, 25536), (100, 25578), (102, 25608), (106, 25629),

Gene: Darrell_37 Start: 27413, Stop: 28033, Start Num: 16
Candidate Starts for Darrell_37:
(12, 27374), (Start: 16 @27413 has 12 MA's), (Start: 28 @27449 has 10 MA's), (Start: 29 @27458 has 92 MA's), (Start: 32 @27476 has 5 MA's), (33, 27494), (43, 27560), (47, 27593), (62, 27683), (75, 27809), (97, 27923), (106, 28016),

Gene: DekHockey33_36 Start: 24792, Stop: 25367, Start Num: 28
Candidate Starts for DekHockey33_36:
(Start: 28 @24792 has 10 MA's), (Start: 29 @24801 has 92 MA's), (33, 24837), (34, 24858), (35, 24864), (43, 24903), (44, 24906), (52, 24960), (62, 25017), (79, 25158), (81, 25167), (82, 25170), (88, 25212), (95, 25245), (102, 25329), (105, 25347), (106, 25350),

Gene: Deloris_33 Start: 26086, Stop: 26664, Start Num: 29
Candidate Starts for Deloris_33:
(Start: 29 @26086 has 92 MA's), (Start: 32 @26104 has 5 MA's), (33, 26122), (34, 26143), (39, 26170), (40, 26176), (43, 26188), (50, 26233), (59, 26293), (62, 26314), (69, 26380), (83, 26470), (84, 26479), (85, 26497), (93, 26536), (95, 26542), (97, 26554), (102, 26626), (106, 26647),

Gene: Dorothea_37 Start: 25075, Stop: 25653, Start Num: 29
Candidate Starts for Dorothea_37:
(Start: 11 @24967 has 7 MA's), (19, 25030), (Start: 29 @25075 has 92 MA's), (Start: 32 @25093 has 5 MA's), (33, 25111), (34, 25132), (42, 25174), (43, 25177), (48, 25216), (54, 25246), (59, 25282), (62, 25303), (69, 25369), (73, 25411), (78, 25441), (81, 25453), (83, 25459), (84, 25468), (85, 25486), (86, 25489), (90, 25507), (97, 25543), (100, 25585), (102, 25615), (106, 25636),

Gene: EZMoney23_36 Start: 27269, Stop: 27826, Start Num: 29
Candidate Starts for EZMoney23_36:
(Start: 29 @27269 has 92 MA's), (31, 27284), (Start: 32 @27287 has 5 MA's), (33, 27305), (41, 27365), (47, 27404), (55, 27437), (56, 27440), (68, 27539), (71, 27569), (77, 27608), (80, 27623), (84, 27641), (87, 27668), (93, 27698), (94, 27701), (95, 27704), (97, 27716), (100, 27758), (103, 27800), (106, 27809),

Gene: EagleEye_38 Start: 26541, Stop: 27119, Start Num: 29
Candidate Starts for EagleEye_38:
(Start: 28 @26532 has 10 MA's), (Start: 29 @26541 has 92 MA's), (33, 26577), (35, 26604), (42, 26640), (43, 26643), (55, 26724), (56, 26727), (62, 26766), (64, 26772), (72, 26865), (75, 26892), (76, 26898), (81, 26919), (84, 26934), (93, 26991), (95, 26997), (96, 27000), (97, 27009), (100, 27051), (101, 27063), (103, 27093), (106, 27102),

Gene: Echild_34 Start: 26075, Stop: 26632, Start Num: 29
Candidate Starts for Echild_34:
(Start: 29 @26075 has 92 MA's), (33, 26111), (35, 26138), (36, 26144), (43, 26177), (52, 26228), (54, 26234), (55, 26246), (62, 26291), (69, 26357), (93, 26519), (99, 26558), (100, 26579),

Gene: EdogawaKiddo_36 Start: 26975, Stop: 27601, Start Num: 16
Candidate Starts for EdogawaKiddo_36:
(Start: 16 @26975 has 12 MA's), (Start: 29 @27020 has 92 MA's), (Start: 32 @27041 has 5 MA's), (33, 27059), (47, 27158), (62, 27251), (70, 27320), (72, 27350), (75, 27377), (88, 27446), (106, 27584),

Gene: Eidsmoe_36 Start: 27077, Stop: 27658, Start Num: 29
Candidate Starts for Eidsmoe_36:
(Start: 16 @27032 has 12 MA's), (Start: 29 @27077 has 92 MA's), (Start: 32 @27098 has 5 MA's), (62, 27308), (70, 27377), (72, 27407), (75, 27434), (88, 27503), (106, 27641),

Gene: Elephantoon_35 Start: 26446, Stop: 27027, Start Num: 29
Candidate Starts for Elephantoon_35:
(Start: 16 @26401 has 12 MA's), (Start: 28 @26437 has 10 MA's), (Start: 29 @26446 has 92 MA's), (33, 26485), (43, 26551), (47, 26584), (62, 26677), (70, 26746), (75, 26803), (88, 26872), (106, 27010),

Gene: Elle_34 Start: 23957, Stop: 24538, Start Num: 29
Candidate Starts for Elle_34:
(Start: 29 @23957 has 92 MA's), (34, 24014), (37, 24029), (43, 24059), (46, 24089), (51, 24107), (52, 24122), (55, 24140), (60, 24176), (69, 24260), (81, 24344), (82, 24347), (85, 24377), (95, 24422), (97, 24434), (100, 24476), (103, 24518),

Gene: EmyBug_35 Start: 27034, Stop: 27660, Start Num: 16
Candidate Starts for EmyBug_35:
(Start: 16 @27034 has 12 MA's), (Start: 29 @27079 has 92 MA's), (Start: 32 @27100 has 5 MA's), (62, 27310), (70, 27379), (72, 27409), (75, 27436), (88, 27505), (106, 27643),

Gene: Epsocamisio_36 Start: 24680, Stop: 25246, Start Num: 29
Candidate Starts for Epsocamisio_36:
(Start: 28 @24671 has 10 MA's), (Start: 29 @24680 has 92 MA's), (33, 24716), (34, 24737), (35, 24743), (43, 24782), (44, 24785), (52, 24839), (62, 24896), (79, 25037), (81, 25046), (82, 25049), (88, 25091), (95, 25124), (102, 25208), (105, 25226), (106, 25229),

Gene: EricB_37 Start: 25067, Stop: 25645, Start Num: 29
Candidate Starts for EricB_37:
(Start: 11 @24959 has 7 MA's), (19, 25022), (Start: 29 @25067 has 92 MA's), (Start: 32 @25085 has 5 MA's), (33, 25103), (34, 25124), (42, 25166), (43, 25169), (48, 25208), (54, 25238), (59, 25274), (62, 25295), (69, 25361), (73, 25403), (78, 25433), (81, 25445), (83, 25451), (84, 25460), (85, 25478), (86, 25481), (90, 25499), (93, 25517), (97, 25535), (100, 25577), (102, 25607), (106, 25628),

Gene: Et2Brutus_33 Start: 26053, Stop: 26613, Start Num: 32
Candidate Starts for Et2Brutus_33:
(Start: 29 @26035 has 92 MA's), (Start: 32 @26053 has 5 MA's), (33, 26071), (34, 26092), (40, 26125), (42, 26134), (43, 26137), (48, 26176), (54, 26206), (62, 26263), (69, 26329), (78, 26401), (81, 26413), (83, 26419), (85, 26446), (86, 26449), (89, 26464), (90, 26467), (93, 26485), (95, 26491), (97, 26503), (100, 26545), (102, 26575), (106, 26596),

Gene: Fayely_36 Start: 27001, Stop: 27627, Start Num: 16
Candidate Starts for Fayely_36:
(Start: 16 @27001 has 12 MA's), (Start: 29 @27046 has 92 MA's), (Start: 32 @27067 has 5 MA's), (62, 27277), (70, 27346), (72, 27376), (75, 27403), (88, 27472), (106, 27610),

Gene: Fibonacci_33 Start: 25684, Stop: 26244, Start Num: 32

Candidate Starts for Fibonacci_33:
(Start: 29 @25666 has 92 MA's), (Start: 32 @25684 has 5 MA's), (33, 25702), (34, 25723), (40, 25756), (42, 25765), (43, 25768), (48, 25807), (54, 25837), (59, 25873), (62, 25894), (69, 25960), (78, 26032), (81, 26044), (83, 26050), (85, 26077), (86, 26080), (89, 26095), (90, 26098), (93, 26116), (95, 26122), (97, 26134), (100, 26176), (102, 26206), (106, 26227),

Gene: First_0033 Start: 26162, Stop: 26722, Start Num: 29
Candidate Starts for First_0033:
(Start: 29 @26162 has 92 MA's), (30, 26168), (31, 26177), (Start: 32 @26180 has 5 MA's), (33, 26198), (34, 26219), (35, 26225), (41, 26258), (43, 26264), (47, 26297), (55, 26330), (69, 26435), (71, 26462), (84, 26537), (93, 26594), (95, 26600), (97, 26612), (100, 26654), (103, 26696), (106, 26705),

Gene: Flaverint_34 Start: 26114, Stop: 26692, Start Num: 29
Candidate Starts for Flaverint_34:
(Start: 29 @26114 has 92 MA's), (Start: 32 @26132 has 5 MA's), (33, 26150), (34, 26171), (40, 26204), (42, 26213), (43, 26216), (48, 26255), (54, 26285), (59, 26321), (62, 26342), (69, 26408), (78, 26480), (81, 26492), (83, 26498), (85, 26525), (86, 26528), (89, 26543), (90, 26546), (93, 26564), (95, 26570), (97, 26582), (100, 26624), (102, 26654), (106, 26675),

Gene: ForesterFrank_37 Start: 28004, Stop: 28585, Start Num: 29
Candidate Starts for ForesterFrank_37:
(Start: 29 @28004 has 92 MA's), (34, 28061), (42, 28103), (43, 28106), (55, 28187), (59, 28211), (64, 28241), (69, 28301), (81, 28385), (82, 28388), (83, 28391), (84, 28400), (85, 28418), (93, 28457), (97, 28475), (98, 28478), (102, 28547), (106, 28568),

Gene: Gail_38 Start: 27949, Stop: 28542, Start Num: 27
Candidate Starts for Gail_38:
(Start: 27 @27949 has 1 MA's), (Start: 29 @27964 has 92 MA's), (33, 28000), (34, 28021), (43, 28066), (45, 28087), (54, 28135), (55, 28147), (59, 28171), (61, 28189), (62, 28192), (64, 28198), (72, 28291), (83, 28348), (84, 28357), (85, 28375), (87, 28384), (93, 28414), (102, 28504), (106, 28525),

Gene: Gladiator_37 Start: 25063, Stop: 25641, Start Num: 29
Candidate Starts for Gladiator_37:
(Start: 11 @24955 has 7 MA's), (19, 25018), (Start: 29 @25063 has 92 MA's), (33, 25099), (34, 25120), (42, 25162), (43, 25165), (48, 25204), (54, 25234), (59, 25270), (62, 25291), (69, 25357), (73, 25399), (78, 25429), (81, 25441), (83, 25447), (84, 25456), (85, 25474), (86, 25477), (90, 25495), (93, 25513), (97, 25531), (100, 25573), (102, 25603), (106, 25624),

Gene: Hammer_37 Start: 24767, Stop: 25453, Start Num: 11
Candidate Starts for Hammer_37:
(Start: 11 @24767 has 7 MA's), (19, 24830), (Start: 29 @24875 has 92 MA's), (31, 24890), (33, 24911), (34, 24932), (42, 24974), (43, 24977), (48, 25016), (54, 25046), (59, 25082), (62, 25103), (69, 25169), (73, 25211), (78, 25241), (81, 25253), (83, 25259), (84, 25268), (85, 25286), (86, 25289), (90, 25307), (93, 25325), (95, 25331), (97, 25343), (100, 25385), (102, 25415), (106, 25436),

Gene: Hanray_36 Start: 27024, Stop: 27605, Start Num: 29
Candidate Starts for Hanray_36:
(Start: 16 @26979 has 12 MA's), (Start: 29 @27024 has 92 MA's), (Start: 32 @27045 has 5 MA's), (33, 27063), (47, 27162), (62, 27255), (70, 27324), (72, 27354), (75, 27381), (88, 27450), (106, 27588),

Gene: Helmet_38 Start: 25075, Stop: 25653, Start Num: 29
Candidate Starts for Helmet_38:

(Start: 11 @24967 has 7 MA's), (19, 25030), (Start: 29 @25075 has 92 MA's), (Start: 32 @25093 has 5 MA's), (33, 25111), (34, 25132), (42, 25174), (43, 25177), (48, 25216), (54, 25246), (59, 25282), (62, 25303), (69, 25369), (73, 25411), (78, 25441), (81, 25453), (83, 25459), (84, 25468), (85, 25486), (86, 25489), (90, 25507), (93, 25525), (97, 25543), (100, 25585), (102, 25615), (106, 25636),

Gene: Holex_36 Start: 27037, Stop: 27618, Start Num: 29
Candidate Starts for Holex_36:
(Start: 16 @26980 has 12 MA's), (Start: 29 @27037 has 92 MA's), (Start: 32 @27058 has 5 MA's), (33, 27076), (47, 27175), (62, 27268), (70, 27337), (72, 27367), (75, 27394), (88, 27463), (106, 27601),

Gene: Hoot_37 Start: 25052, Stop: 25630, Start Num: 29
Candidate Starts for Hoot_37:
(Start: 11 @24944 has 7 MA's), (19, 25007), (Start: 29 @25052 has 92 MA's), (Start: 32 @25070 has 5 MA's), (33, 25088), (34, 25109), (42, 25151), (43, 25154), (48, 25193), (54, 25223), (59, 25259), (62, 25280), (69, 25346), (73, 25388), (78, 25418), (81, 25430), (83, 25436), (84, 25445), (85, 25463), (86, 25466), (90, 25484), (93, 25502), (97, 25520), (100, 25562), (102, 25592), (106, 25613),

Gene: HortumSL17_36 Start: 27013, Stop: 27594, Start Num: 29
Candidate Starts for HortumSL17_36:
(Start: 16 @26968 has 12 MA's), (Start: 29 @27013 has 92 MA's), (Start: 32 @27034 has 5 MA's), (62, 27244), (70, 27313), (72, 27343), (75, 27370), (88, 27439), (106, 27577),

Gene: Hutc2_33 Start: 25667, Stop: 26245, Start Num: 29
Candidate Starts for Hutc2_33:
(Start: 29 @25667 has 92 MA's), (Start: 32 @25685 has 5 MA's), (33, 25703), (34, 25724), (40, 25757), (42, 25766), (43, 25769), (48, 25808), (54, 25838), (59, 25874), (62, 25895), (69, 25961), (78, 26033), (81, 26045), (83, 26051), (85, 26078), (86, 26081), (89, 26096), (90, 26099), (95, 26123), (97, 26135), (100, 26177), (102, 26207), (106, 26228),

Gene: Imbriano_38 Start: 25074, Stop: 25652, Start Num: 29
Candidate Starts for Imbriano_38:
(Start: 11 @24966 has 7 MA's), (19, 25029), (Start: 29 @25074 has 92 MA's), (Start: 32 @25092 has 5 MA's), (33, 25110), (34, 25131), (42, 25173), (43, 25176), (48, 25215), (54, 25245), (59, 25281), (62, 25302), (69, 25368), (73, 25410), (78, 25440), (81, 25452), (83, 25458), (84, 25467), (85, 25485), (86, 25488), (90, 25506), (97, 25542), (100, 25584), (102, 25614), (106, 25635),

Gene: Indra_39 Start: 25076, Stop: 25654, Start Num: 29
Candidate Starts for Indra_39:
(Start: 11 @24968 has 7 MA's), (19, 25031), (Start: 29 @25076 has 92 MA's), (Start: 32 @25094 has 5 MA's), (33, 25112), (34, 25133), (42, 25175), (43, 25178), (48, 25217), (54, 25247), (59, 25283), (62, 25304), (69, 25370), (73, 25412), (78, 25442), (81, 25454), (83, 25460), (84, 25469), (85, 25487), (86, 25490), (90, 25508), (93, 25526), (97, 25544), (100, 25586), (102, 25616), (106, 25637),

Gene: Insomnia_34 Start: 26190, Stop: 26750, Start Num: 32
Candidate Starts for Insomnia_34:
(Start: 29 @26172 has 92 MA's), (Start: 32 @26190 has 5 MA's), (33, 26208), (34, 26229), (40, 26262), (42, 26271), (43, 26274), (48, 26313), (54, 26343), (62, 26400), (69, 26466), (78, 26538), (81, 26550), (83, 26556), (85, 26583), (86, 26586), (89, 26601), (90, 26604), (95, 26628), (97, 26640), (100, 26682), (102, 26712), (106, 26733),

Gene: Isiphiwo_37 Start: 25146, Stop: 25724, Start Num: 29
Candidate Starts for Isiphiwo_37:

(Start: 11 @25038 has 7 MA's), (19, 25101), (Start: 29 @25146 has 92 MA's), (Start: 32 @25164 has 5 MA's), (33, 25182), (34, 25203), (42, 25245), (43, 25248), (48, 25287), (54, 25317), (59, 25353), (62, 25374), (69, 25440), (73, 25482), (78, 25512), (81, 25524), (83, 25530), (84, 25539), (85, 25557), (86, 25560), (90, 25578), (93, 25596), (97, 25614), (100, 25656), (102, 25686), (106, 25707),

Gene: JSwag_36 Start: 24665, Stop: 25231, Start Num: 29
Candidate Starts for JSwag_36:
(Start: 28 @24656 has 10 MA's), (Start: 29 @24665 has 92 MA's), (33, 24701), (34, 24722), (35, 24728), (43, 24767), (44, 24770), (52, 24824), (62, 24881), (79, 25022), (81, 25031), (82, 25034), (88, 25076), (95, 25109), (102, 25193), (105, 25211), (106, 25214),

Gene: Jabith_34 Start: 26172, Stop: 26750, Start Num: 29
Candidate Starts for Jabith_34:
(Start: 29 @26172 has 92 MA's), (Start: 32 @26190 has 5 MA's), (33, 26208), (34, 26229), (40, 26262), (42, 26271), (43, 26274), (48, 26313), (54, 26343), (59, 26379), (62, 26400), (69, 26466), (78, 26538), (81, 26550), (83, 26556), (85, 26583), (86, 26586), (90, 26604), (93, 26622), (95, 26628), (97, 26640), (100, 26682), (102, 26712), (106, 26733),

Gene: Jeeves_37 Start: 26658, Stop: 27236, Start Num: 29
Candidate Starts for Jeeves_37:
(20, 26631), (22, 26640), (Start: 29 @26658 has 92 MA's), (33, 26694), (34, 26715), (40, 26748), (55, 26841), (59, 26865), (69, 26952), (72, 26985), (78, 27024), (81, 27036), (83, 27042), (84, 27051), (85, 27069), (93, 27108), (102, 27198), (103, 27210), (106, 27219),

Gene: Jeffabunny_37 Start: 24873, Stop: 25451, Start Num: 29
Candidate Starts for Jeffabunny_37:
(Start: 11 @24765 has 7 MA's), (19, 24828), (Start: 28 @24864 has 10 MA's), (Start: 29 @24873 has 92 MA's), (Start: 32 @24891 has 5 MA's), (33, 24909), (34, 24930), (42, 24972), (43, 24975), (48, 25014), (54, 25044), (59, 25080), (62, 25101), (69, 25167), (73, 25209), (78, 25239), (81, 25251), (83, 25257), (84, 25266), (85, 25284), (86, 25287), (90, 25305), (93, 25323), (95, 25329), (97, 25341), (100, 25383), (102, 25413), (106, 25434),

Gene: JewelBug_38 Start: 25080, Stop: 25658, Start Num: 29
Candidate Starts for JewelBug_38:
(Start: 29 @25080 has 92 MA's), (Start: 32 @25098 has 5 MA's), (33, 25116), (34, 25137), (42, 25179), (43, 25182), (48, 25221), (54, 25251), (59, 25287), (62, 25308), (69, 25374), (73, 25416), (78, 25446), (81, 25458), (83, 25464), (84, 25473), (85, 25491), (86, 25494), (90, 25512), (93, 25530), (97, 25548), (100, 25590), (102, 25620), (106, 25641),

Gene: Jiawan_36 Start: 27011, Stop: 27637, Start Num: 16
Candidate Starts for Jiawan_36:
(Start: 16 @27011 has 12 MA's), (Start: 29 @27056 has 92 MA's), (Start: 32 @27077 has 5 MA's), (33, 27095), (47, 27194), (62, 27287), (70, 27356), (72, 27386), (75, 27413), (88, 27482), (106, 27620),

Gene: Jordennis_37 Start: 24956, Stop: 25642, Start Num: 11
Candidate Starts for Jordennis_37:
(Start: 11 @24956 has 7 MA's), (19, 25019), (Start: 29 @25064 has 92 MA's), (Start: 32 @25082 has 5 MA's), (33, 25100), (34, 25121), (42, 25163), (43, 25166), (48, 25205), (54, 25235), (59, 25271), (62, 25292), (69, 25358), (73, 25400), (78, 25430), (81, 25442), (83, 25448), (84, 25457), (85, 25475), (86, 25478), (90, 25496), (97, 25532), (100, 25574), (102, 25604), (106, 25625),

Gene: KatherineG_36 Start: 24801, Stop: 25367, Start Num: 29
Candidate Starts for KatherineG_36:

(Start: 28 @24792 has 10 MA's), (Start: 29 @24801 has 92 MA's), (33, 24837), (34, 24858), (35, 24864), (43, 24903), (44, 24906), (52, 24960), (62, 25017), (79, 25158), (81, 25167), (82, 25170), (88, 25212), (95, 25245), (102, 25329), (105, 25347), (106, 25350),

Gene: Kazan_38 Start: 24972, Stop: 25658, Start Num: 11
Candidate Starts for Kazan_38:
(Start: 11 @24972 has 7 MA's), (19, 25035), (Start: 29 @25080 has 92 MA's), (Start: 32 @25098 has 5 MA's), (33, 25116), (34, 25137), (42, 25179), (43, 25182), (48, 25221), (54, 25251), (59, 25287), (62, 25308), (69, 25374), (73, 25416), (78, 25446), (81, 25458), (83, 25464), (84, 25473), (85, 25491), (86, 25494), (90, 25512), (93, 25530), (97, 25548), (100, 25590), (102, 25620), (106, 25641),

Gene: Keziacharles14_36 Start: 27979, Stop: 28554, Start Num: 29
Candidate Starts for Keziacharles14_36:
(Start: 16 @27934 has 12 MA's), (Start: 28 @27970 has 10 MA's), (Start: 29 @27979 has 92 MA's), (Start: 32 @27997 has 5 MA's), (33, 28015), (43, 28081), (47, 28114), (70, 28273), (72, 28303), (75, 28330), (88, 28399), (106, 28537), (107, 28540),

Gene: Kimba_34 Start: 26102, Stop: 26662, Start Num: 32
Candidate Starts for Kimba_34:
(Start: 29 @26084 has 92 MA's), (Start: 32 @26102 has 5 MA's), (33, 26120), (34, 26141), (40, 26174), (42, 26183), (43, 26186), (48, 26225), (54, 26255), (62, 26312), (69, 26378), (78, 26450), (81, 26462), (83, 26468), (85, 26495), (86, 26498), (89, 26513), (90, 26516), (93, 26534), (95, 26540), (97, 26552), (100, 26594), (102, 26624), (106, 26645),

Gene: Koko_37 Start: 25413, Stop: 25991, Start Num: 29
Candidate Starts for Koko_37:
(Start: 11 @25305 has 7 MA's), (19, 25368), (Start: 29 @25413 has 92 MA's), (Start: 32 @25431 has 5 MA's), (33, 25449), (34, 25470), (42, 25512), (43, 25515), (48, 25554), (54, 25584), (59, 25620), (62, 25641), (69, 25707), (73, 25749), (78, 25779), (81, 25791), (83, 25797), (84, 25806), (85, 25824), (86, 25827), (90, 25845), (93, 25863), (95, 25869), (97, 25881), (100, 25923), (102, 25953), (106, 25974),

Gene: LadyBird_35 Start: 26523, Stop: 27110, Start Num: 28
Candidate Starts for LadyBird_35:
(Start: 28 @26523 has 10 MA's), (Start: 29 @26532 has 92 MA's), (Start: 32 @26553 has 5 MA's), (33, 26571), (43, 26637), (47, 26670), (72, 26859), (100, 27042), (106, 27093),

Gene: LastResort_36 Start: 24682, Stop: 25248, Start Num: 29
Candidate Starts for LastResort_36:
(Start: 28 @24673 has 10 MA's), (Start: 29 @24682 has 92 MA's), (33, 24718), (34, 24739), (35, 24745), (43, 24784), (44, 24787), (52, 24841), (62, 24898), (79, 25039), (81, 25048), (82, 25051), (88, 25093), (95, 25126), (102, 25210), (105, 25228), (106, 25231),

Gene: Lilbunny_36 Start: 24847, Stop: 25425, Start Num: 29
Candidate Starts for Lilbunny_36:
(Start: 11 @24739 has 7 MA's), (19, 24802), (Start: 28 @24838 has 10 MA's), (Start: 29 @24847 has 92 MA's), (Start: 32 @24865 has 5 MA's), (33, 24883), (34, 24904), (42, 24946), (43, 24949), (48, 24988), (54, 25018), (59, 25054), (62, 25075), (69, 25141), (73, 25183), (78, 25213), (81, 25225), (83, 25231), (84, 25240), (85, 25258), (86, 25261), (90, 25279), (93, 25297), (97, 25315), (100, 25357), (102, 25387), (106, 25408),

Gene: Lilleskat_36 Start: 27032, Stop: 27613, Start Num: 29
Candidate Starts for Lilleskat_36:

(Start: 16 @26975 has 12 MA's), (Start: 29 @27032 has 92 MA's), (Start: 32 @27053 has 5 MA's), (33, 27071), (47, 27170), (62, 27263), (70, 27332), (72, 27362), (75, 27389), (88, 27458), (106, 27596),

Gene: LogiBear_38 Start: 25606, Stop: 26193, Start Num: 28
Candidate Starts for LogiBear_38:
(Start: 28 @25606 has 10 MA's), (Start: 29 @25615 has 92 MA's), (34, 25672), (35, 25678), (41, 25711), (43, 25717), (54, 25786), (58, 25819), (67, 25897), (70, 25912), (88, 26038), (92, 26056), (95, 26071), (104, 26170), (105, 26173), (106, 26176),

Gene: LoneWolf_35 Start: 26563, Stop: 27189, Start Num: 16
Candidate Starts for LoneWolf_35:
(Start: 16 @26563 has 12 MA's), (Start: 28 @26599 has 10 MA's), (Start: 29 @26608 has 92 MA's), (Start: 32 @26629 has 5 MA's), (33, 26647), (43, 26713), (47, 26746), (62, 26839), (70, 26908), (75, 26965), (88, 27034), (106, 27172),

Gene: Looper_37 Start: 24679, Stop: 25245, Start Num: 29
Candidate Starts for Looper_37:
(Start: 28 @24670 has 10 MA's), (Start: 29 @24679 has 92 MA's), (33, 24715), (34, 24736), (35, 24742), (43, 24781), (44, 24784), (52, 24838), (62, 24895), (79, 25036), (81, 25045), (82, 25048), (88, 25090), (95, 25123), (102, 25207), (105, 25225), (106, 25228),

Gene: Loser_37 Start: 27695, Stop: 28273, Start Num: 29
Candidate Starts for Loser_37:
(19, 27650), (24, 27668), (26, 27674), (Start: 28 @27686 has 10 MA's), (Start: 29 @27695 has 92 MA's), (33, 27731), (34, 27752), (42, 27794), (43, 27797), (54, 27866), (55, 27878), (62, 27923), (69, 27989), (78, 28061), (83, 28079), (84, 28088), (85, 28106), (88, 28118), (93, 28145), (95, 28151), (100, 28205), (102, 28235), (106, 28256),

Gene: Luchador_38 Start: 28694, Stop: 29275, Start Num: 29
Candidate Starts for Luchador_38:
(4, 28466), (5, 28469), (10, 28529), (14, 28601), (21, 28661), (Start: 29 @28694 has 92 MA's), (33, 28733), (34, 28754), (42, 28796), (43, 28799), (53, 28865), (54, 28868), (61, 28922), (67, 28979), (69, 28991), (71, 29018), (74, 29045), (83, 29081), (84, 29090), (97, 29165), (100, 29207), (106, 29258), (107, 29261),

Gene: Lucivia_34 Start: 26169, Stop: 26747, Start Num: 29
Candidate Starts for Lucivia_34:
(Start: 29 @26169 has 92 MA's), (Start: 32 @26187 has 5 MA's), (33, 26205), (34, 26226), (40, 26259), (42, 26268), (43, 26271), (48, 26310), (54, 26340), (62, 26397), (69, 26463), (78, 26535), (81, 26547), (83, 26553), (85, 26580), (86, 26583), (90, 26601), (93, 26619), (95, 26625), (97, 26637), (100, 26679), (102, 26709), (106, 26730),

Gene: Lucyedi_37 Start: 26542, Stop: 27120, Start Num: 29
Candidate Starts for Lucyedi_37:
(Start: 28 @26533 has 10 MA's), (Start: 29 @26542 has 92 MA's), (33, 26578), (35, 26605), (42, 26641), (43, 26644), (55, 26725), (56, 26728), (62, 26767), (64, 26773), (72, 26866), (75, 26893), (76, 26899), (81, 26920), (84, 26935), (93, 26992), (95, 26998), (96, 27001), (97, 27010), (100, 27052), (101, 27064), (103, 27094), (106, 27103),

Gene: McFly_37 Start: 24966, Stop: 25652, Start Num: 11
Candidate Starts for McFly_37:
(Start: 11 @24966 has 7 MA's), (19, 25029), (Start: 29 @25074 has 92 MA's), (Start: 32 @25092 has 5 MA's), (33, 25110), (34, 25131), (42, 25173), (43, 25176), (48, 25215), (54, 25245), (59, 25281), (62,

25302), (69, 25368), (73, 25410), (78, 25440), (81, 25452), (83, 25458), (84, 25467), (85, 25485), (86, 25488), (90, 25506), (93, 25524), (97, 25542), (100, 25584), (102, 25614), (106, 25635),

Gene: MinecraftSteve_37 Start: 24792, Stop: 25367, Start Num: 28
Candidate Starts for MinecraftSteve_37:
(Start: 28 @24792 has 10 MA's), (Start: 29 @24801 has 92 MA's), (33, 24837), (34, 24858), (35, 24864), (43, 24903), (44, 24906), (52, 24960), (62, 25017), (79, 25158), (81, 25167), (82, 25170), (88, 25212), (95, 25245), (102, 25329), (105, 25347), (106, 25350),

Gene: Minispark_33 Start: 26070, Stop: 26690, Start Num: 16
Candidate Starts for Minispark_33:
(12, 26031), (Start: 16 @26070 has 12 MA's), (Start: 28 @26106 has 10 MA's), (Start: 29 @26115 has 92 MA's), (Start: 32 @26133 has 5 MA's), (33, 26151), (43, 26217), (47, 26250), (70, 26409), (75, 26466), (97, 26580), (106, 26673),

Gene: Munch_34 Start: 26120, Stop: 26698, Start Num: 29
Candidate Starts for Munch_34:
(Start: 29 @26120 has 92 MA's), (Start: 32 @26138 has 5 MA's), (33, 26156), (34, 26177), (40, 26210), (42, 26219), (43, 26222), (48, 26261), (54, 26291), (59, 26327), (62, 26348), (69, 26414), (78, 26486), (81, 26498), (83, 26504), (85, 26531), (86, 26534), (90, 26552), (93, 26570), (95, 26576), (97, 26588), (100, 26630), (102, 26660), (106, 26681),

Gene: Myxus_36 Start: 27013, Stop: 27594, Start Num: 29
Candidate Starts for Myxus_36:
(Start: 16 @26968 has 12 MA's), (Start: 29 @27013 has 92 MA's), (Start: 32 @27034 has 5 MA's), (62, 27244), (70, 27313), (72, 27343), (75, 27370), (88, 27439), (106, 27577),

Gene: Nebulosus_36 Start: 24679, Stop: 25245, Start Num: 29
Candidate Starts for Nebulosus_36:
(Start: 28 @24670 has 10 MA's), (Start: 29 @24679 has 92 MA's), (33, 24715), (34, 24736), (35, 24742), (43, 24781), (44, 24784), (52, 24838), (62, 24895), (79, 25036), (81, 25045), (82, 25048), (88, 25090), (95, 25123), (102, 25207), (105, 25225), (106, 25228),

Gene: Nedarya_35 Start: 25262, Stop: 25837, Start Num: 29
Candidate Starts for Nedarya_35:
(Start: 29 @25262 has 92 MA's), (Start: 32 @25280 has 5 MA's), (33, 25298), (34, 25319), (43, 25364), (44, 25367), (46, 25394), (57, 25460), (60, 25475), (62, 25493), (66, 25541), (81, 25643), (83, 25649), (97, 25733), (106, 25826),

Gene: Newrala_37 Start: 25067, Stop: 25645, Start Num: 29
Candidate Starts for Newrala_37:
(Start: 11 @24959 has 7 MA's), (19, 25022), (Start: 29 @25067 has 92 MA's), (Start: 32 @25085 has 5 MA's), (33, 25103), (34, 25124), (42, 25166), (43, 25169), (48, 25208), (54, 25238), (59, 25274), (62, 25295), (69, 25361), (73, 25403), (78, 25433), (81, 25445), (83, 25451), (84, 25460), (85, 25478), (86, 25481), (90, 25499), (93, 25517), (97, 25535), (100, 25577), (102, 25607), (106, 25628),

Gene: Onglai_35 Start: 25309, Stop: 25935, Start Num: 16
Candidate Starts for Onglai_35:
(Start: 16 @25309 has 12 MA's), (Start: 29 @25354 has 92 MA's), (Start: 32 @25375 has 5 MA's), (33, 25393), (47, 25492), (62, 25585), (70, 25654), (72, 25684), (75, 25711), (88, 25780), (106, 25918),

Gene: Oofda_36 Start: 24653, Stop: 25219, Start Num: 29
Candidate Starts for Oofda_36:

(Start: 28 @24644 has 10 MA's), (Start: 29 @24653 has 92 MA's), (33, 24689), (34, 24710), (35, 24716), (43, 24755), (44, 24758), (52, 24812), (62, 24869), (79, 25010), (81, 25019), (88, 25064), (95, 25097), (102, 25181), (105, 25199), (106, 25202),

Gene: PackMan_35 Start: 27013, Stop: 27594, Start Num: 29
Candidate Starts for PackMan_35:
(Start: 16 @26968 has 12 MA's), (Start: 29 @27013 has 92 MA's), (Start: 32 @27034 has 5 MA's), (62, 27244), (70, 27313), (72, 27343), (75, 27370), (88, 27439), (106, 27577),

Gene: PainterBoy_37 Start: 26478, Stop: 27056, Start Num: 29
Candidate Starts for PainterBoy_37:
(Start: 28 @26469 has 10 MA's), (Start: 29 @26478 has 92 MA's), (33, 26514), (35, 26541), (42, 26577), (43, 26580), (55, 26661), (56, 26664), (62, 26703), (64, 26709), (72, 26802), (75, 26829), (76, 26835), (81, 26856), (84, 26871), (93, 26928), (95, 26934), (96, 26937), (97, 26946), (100, 26988), (101, 27000), (103, 27030), (106, 27039),

Gene: Phaeder_36 Start: 27013, Stop: 27594, Start Num: 29
Candidate Starts for Phaeder_36:
(Start: 16 @26968 has 12 MA's), (Start: 29 @27013 has 92 MA's), (Start: 32 @27034 has 5 MA's), (62, 27244), (70, 27313), (72, 27343), (75, 27370), (88, 27439), (106, 27577),

Gene: Phlei_27 Start: 26952, Stop: 27530, Start Num: 29
Candidate Starts for Phlei_27:
(23, 26934), (Start: 28 @26943 has 10 MA's), (Start: 29 @26952 has 92 MA's), (33, 26988), (34, 27009), (43, 27054), (47, 27087), (55, 27135), (61, 27174), (62, 27177), (64, 27183), (72, 27276), (73, 27285), (81, 27330), (84, 27345), (91, 27387), (95, 27408), (97, 27420), (102, 27492), (103, 27504), (106, 27513),

Gene: Pmask_37 Start: 25068, Stop: 25646, Start Num: 29
Candidate Starts for Pmask_37:
(Start: 11 @24960 has 7 MA's), (19, 25023), (Start: 29 @25068 has 92 MA's), (33, 25104), (34, 25125), (42, 25167), (43, 25170), (48, 25209), (54, 25239), (59, 25275), (62, 25296), (69, 25362), (73, 25404), (78, 25434), (81, 25446), (83, 25452), (84, 25461), (85, 25479), (86, 25482), (90, 25500), (93, 25518), (97, 25536), (100, 25578), (102, 25608), (106, 25629),

Gene: Polyphemus_37 Start: 25066, Stop: 25644, Start Num: 29
Candidate Starts for Polyphemus_37:
(Start: 11 @24958 has 7 MA's), (19, 25021), (Start: 29 @25066 has 92 MA's), (Start: 32 @25084 has 5 MA's), (33, 25102), (34, 25123), (42, 25165), (43, 25168), (48, 25207), (54, 25237), (59, 25273), (62, 25294), (69, 25360), (73, 25402), (78, 25432), (81, 25444), (83, 25450), (84, 25459), (85, 25477), (86, 25480), (90, 25498), (97, 25534), (100, 25576), (102, 25606), (106, 25627),

Gene: Priya_36 Start: 27080, Stop: 27661, Start Num: 29
Candidate Starts for Priya_36:
(Start: 16 @27035 has 12 MA's), (Start: 29 @27080 has 92 MA's), (Start: 32 @27101 has 5 MA's), (62, 27311), (70, 27380), (72, 27410), (75, 27437), (88, 27506), (106, 27644),

Gene: Prudy_37 Start: 27742, Stop: 28332, Start Num: 28
Candidate Starts for Prudy_37:
(Start: 28 @27742 has 10 MA's), (Start: 29 @27751 has 92 MA's), (33, 27790), (38, 27832), (41, 27850), (42, 27853), (43, 27856), (47, 27889), (55, 27937), (58, 27958), (64, 27985), (72, 28078), (80, 28129), (81, 28132), (83, 28138), (84, 28147), (85, 28165), (88, 28177), (95, 28210), (96, 28213), (97, 28222), (100, 28264), (106, 28315),

Gene: Qobbit_36 Start: 26997, Stop: 27623, Start Num: 16
Candidate Starts for Qobbit_36:
(Start: 16 @26997 has 12 MA's), (Start: 29 @27042 has 92 MA's), (Start: 32 @27063 has 5 MA's), (62, 27273), (70, 27342), (72, 27372), (75, 27399), (88, 27468), (106, 27606),

Gene: Rahalelujah_34 Start: 26115, Stop: 26690, Start Num: 29
Candidate Starts for Rahalelujah_34:
(12, 26031), (Start: 16 @26070 has 12 MA's), (Start: 28 @26106 has 10 MA's), (Start: 29 @26115 has 92 MA's), (Start: 32 @26133 has 5 MA's), (33, 26151), (43, 26217), (47, 26250), (70, 26409), (75, 26466), (91, 26547), (106, 26673),

Gene: Ravana_36 Start: 24634, Stop: 25209, Start Num: 28
Candidate Starts for Ravana_36:
(Start: 28 @24634 has 10 MA's), (Start: 29 @24643 has 92 MA's), (33, 24679), (34, 24700), (35, 24706), (43, 24745), (44, 24748), (52, 24802), (62, 24859), (79, 25000), (81, 25009), (82, 25012), (88, 25054), (95, 25087), (102, 25171), (105, 25189), (106, 25192),

Gene: ReMo_36 Start: 24679, Stop: 25245, Start Num: 29
Candidate Starts for ReMo_36:
(Start: 28 @24670 has 10 MA's), (Start: 29 @24679 has 92 MA's), (33, 24715), (34, 24736), (35, 24742), (43, 24781), (44, 24784), (52, 24838), (62, 24895), (79, 25036), (81, 25045), (82, 25048), (88, 25090), (95, 25123), (102, 25207), (105, 25225), (106, 25228),

Gene: RedRock_37 Start: 27898, Stop: 28455, Start Num: 29
Candidate Starts for RedRock_37:
(Start: 29 @27898 has 92 MA's), (30, 27904), (31, 27913), (40, 27988), (41, 27994), (43, 28000), (55, 28066), (69, 28171), (71, 28198), (77, 28237), (81, 28255), (84, 28270), (93, 28327), (97, 28345), (100, 28387), (106, 28438),

Gene: Refuge_38 Start: 28887, Stop: 29447, Start Num: 29
Candidate Starts for Refuge_38:
(3, 28611), (6, 28662), (Start: 29 @28887 has 92 MA's), (33, 28923), (34, 28944), (35, 28950), (40, 28977), (43, 28989), (49, 29031), (54, 29049), (55, 29061), (62, 29109), (66, 29157), (81, 29259), (84, 29274), (88, 29304), (99, 29370), (100, 29391), (102, 29421), (103, 29433), (104, 29436), (105, 29439),

Gene: Remus_36 Start: 24643, Stop: 25209, Start Num: 29
Candidate Starts for Remus_36:
(Start: 28 @24634 has 10 MA's), (Start: 29 @24643 has 92 MA's), (33, 24679), (34, 24700), (35, 24706), (43, 24745), (44, 24748), (52, 24802), (62, 24859), (79, 25000), (81, 25009), (82, 25012), (88, 25054), (95, 25087), (102, 25171), (105, 25189), (106, 25192),

Gene: Rifter_37 Start: 24837, Stop: 25415, Start Num: 29
Candidate Starts for Rifter_37:
(Start: 11 @24729 has 7 MA's), (19, 24792), (Start: 29 @24837 has 92 MA's), (31, 24852), (33, 24873), (34, 24894), (42, 24936), (43, 24939), (48, 24978), (54, 25008), (59, 25044), (62, 25065), (69, 25131), (73, 25173), (78, 25203), (81, 25215), (83, 25221), (84, 25230), (85, 25248), (86, 25251), (90, 25269), (93, 25287), (95, 25293), (97, 25305), (100, 25347), (102, 25377), (106, 25398),

Gene: Roksolana_38 Start: 24980, Stop: 25666, Start Num: 11
Candidate Starts for Roksolana_38:

(Start: 11 @24980 has 7 MA's), (19, 25043), (Start: 29 @25088 has 92 MA's), (Start: 32 @25106 has 5 MA's), (33, 25124), (34, 25145), (42, 25187), (43, 25190), (48, 25229), (54, 25259), (59, 25295), (62, 25316), (69, 25382), (73, 25424), (78, 25454), (81, 25466), (83, 25472), (84, 25481), (85, 25499), (86, 25502), (90, 25520), (93, 25538), (95, 25544), (97, 25556), (100, 25598), (102, 25628), (106, 25649),

Gene: Rosalind_36 Start: 24801, Stop: 25367, Start Num: 29
Candidate Starts for Rosalind_36:
(Start: 28 @24792 has 10 MA's), (Start: 29 @24801 has 92 MA's), (33, 24837), (34, 24858), (35, 24864), (43, 24903), (44, 24906), (52, 24960), (62, 25017), (79, 25158), (81, 25167), (82, 25170), (88, 25212), (95, 25245), (102, 25329), (105, 25347), (106, 25350),

Gene: RyeScarlet_36 Start: 27037, Stop: 27618, Start Num: 29
Candidate Starts for RyeScarlet_36:
(Start: 16 @26980 has 12 MA's), (Start: 29 @27037 has 92 MA's), (Start: 32 @27058 has 5 MA's), (33, 27076), (47, 27175), (62, 27268), (70, 27337), (72, 27367), (75, 27394), (88, 27463), (106, 27601),

Gene: Sachima_36 Start: 27013, Stop: 27594, Start Num: 29
Candidate Starts for Sachima_36:
(Start: 16 @26968 has 12 MA's), (Start: 29 @27013 has 92 MA's), (Start: 32 @27034 has 5 MA's), (33, 27052), (62, 27244), (66, 27292), (70, 27313), (72, 27343), (75, 27370), (88, 27439), (106, 27577),

Gene: Saskia_34 Start: 25865, Stop: 26443, Start Num: 29
Candidate Starts for Saskia_34:
(Start: 29 @25865 has 92 MA's), (Start: 32 @25883 has 5 MA's), (33, 25901), (34, 25922), (40, 25955), (42, 25964), (43, 25967), (48, 26006), (54, 26036), (59, 26072), (62, 26093), (69, 26159), (78, 26231), (81, 26243), (83, 26249), (85, 26276), (86, 26279), (89, 26294), (90, 26297), (93, 26315), (95, 26321), (97, 26333), (100, 26375), (102, 26405), (106, 26426),

Gene: Scherzo_35 Start: 26980, Stop: 27606, Start Num: 16
Candidate Starts for Scherzo_35:
(Start: 16 @26980 has 12 MA's), (Start: 29 @27025 has 92 MA's), (Start: 32 @27046 has 5 MA's), (62, 27256), (70, 27325), (72, 27355), (75, 27382), (88, 27451), (106, 27589),

Gene: Sham4_33 Start: 25667, Stop: 26245, Start Num: 29
Candidate Starts for Sham4_33:
(Start: 29 @25667 has 92 MA's), (Start: 32 @25685 has 5 MA's), (33, 25703), (34, 25724), (40, 25757), (42, 25766), (43, 25769), (48, 25808), (54, 25838), (59, 25874), (62, 25895), (69, 25961), (78, 26033), (81, 26045), (83, 26051), (85, 26078), (86, 26081), (89, 26096), (90, 26099), (93, 26117), (95, 26123), (97, 26135), (100, 26177), (102, 26207), (106, 26228),

Gene: ShayRa_37 Start: 24801, Stop: 25367, Start Num: 29
Candidate Starts for ShayRa_37:
(Start: 28 @24792 has 10 MA's), (Start: 29 @24801 has 92 MA's), (33, 24837), (34, 24858), (35, 24864), (43, 24903), (44, 24906), (52, 24960), (62, 25017), (79, 25158), (81, 25167), (82, 25170), (88, 25212), (95, 25245), (102, 25329), (105, 25347), (106, 25350),

Gene: Soups_36 Start: 24801, Stop: 25367, Start Num: 29
Candidate Starts for Soups_36:
(Start: 28 @24792 has 10 MA's), (Start: 29 @24801 has 92 MA's), (33, 24837), (34, 24858), (35, 24864), (43, 24903), (44, 24906), (52, 24960), (62, 25017), (79, 25158), (81, 25167), (82, 25170), (88, 25212), (95, 25245), (102, 25329), (105, 25347), (106, 25350),

Gene: Spouty_36 Start: 27034, Stop: 27660, Start Num: 16

Candidate Starts for Spouty_36:
(Start: 16 @27034 has 12 MA's), (Start: 29 @27079 has 92 MA's), (Start: 32 @27100 has 5 MA's), (62, 27310), (70, 27379), (72, 27409), (75, 27436), (88, 27505), (106, 27643),

Gene: Steamy_34 Start: 26828, Stop: 27385, Start Num: 29
Candidate Starts for Steamy_34:
(Start: 29 @26828 has 92 MA's), (31, 26843), (Start: 32 @26846 has 5 MA's), (33, 26864), (41, 26924), (43, 26930), (44, 26933), (56, 26999), (71, 27128), (77, 27167), (80, 27182), (93, 27257), (95, 27263), (97, 27275), (106, 27368),

Gene: Strosahl_36 Start: 24634, Stop: 25209, Start Num: 28
Candidate Starts for Strosahl_36:
(Start: 28 @24634 has 10 MA's), (Start: 29 @24643 has 92 MA's), (33, 24679), (34, 24700), (35, 24706), (43, 24745), (44, 24748), (52, 24802), (62, 24859), (79, 25000), (81, 25009), (82, 25012), (88, 25054), (95, 25087), (102, 25171), (105, 25189), (106, 25192),

Gene: Sunhee_37 Start: 26471, Stop: 27049, Start Num: 29
Candidate Starts for Sunhee_37:
(Start: 28 @26462 has 10 MA's), (Start: 29 @26471 has 92 MA's), (33, 26510), (43, 26576), (47, 26609), (61, 26696), (67, 26753), (75, 26825), (91, 26906), (106, 27032), (107, 27035),

Gene: SuperAwesome_37 Start: 25067, Stop: 25645, Start Num: 29
Candidate Starts for SuperAwesome_37:
(Start: 11 @24959 has 7 MA's), (19, 25022), (Start: 29 @25067 has 92 MA's), (33, 25103), (34, 25124), (42, 25166), (43, 25169), (48, 25208), (54, 25238), (59, 25274), (62, 25295), (69, 25361), (73, 25403), (78, 25433), (81, 25445), (83, 25451), (84, 25460), (85, 25478), (86, 25481), (90, 25499), (93, 25517), (97, 25535), (100, 25577), (102, 25607), (106, 25628),

Gene: Switzerland_36 Start: 24786, Stop: 25361, Start Num: 28
Candidate Starts for Switzerland_36:
(Start: 28 @24786 has 10 MA's), (Start: 29 @24795 has 92 MA's), (33, 24831), (34, 24852), (35, 24858), (43, 24897), (44, 24900), (52, 24954), (62, 25011), (79, 25152), (81, 25161), (82, 25164), (88, 25206), (95, 25239), (102, 25323), (105, 25341), (106, 25344),

Gene: Temprado_37 Start: 25075, Stop: 25653, Start Num: 29
Candidate Starts for Temprado_37:
(Start: 11 @24967 has 7 MA's), (19, 25030), (Start: 29 @25075 has 92 MA's), (Start: 32 @25093 has 5 MA's), (33, 25111), (34, 25132), (42, 25174), (43, 25177), (48, 25216), (54, 25246), (59, 25282), (62, 25303), (69, 25369), (73, 25411), (78, 25441), (81, 25453), (83, 25459), (84, 25468), (85, 25486), (86, 25489), (90, 25507), (93, 25525), (97, 25543), (100, 25585), (102, 25615), (106, 25636),

Gene: TinyTimmy_34 Start: 26087, Stop: 26647, Start Num: 32
Candidate Starts for TinyTimmy_34:
(Start: 29 @26069 has 92 MA's), (Start: 32 @26087 has 5 MA's), (33, 26105), (34, 26126), (40, 26159), (42, 26168), (43, 26171), (48, 26210), (54, 26240), (62, 26297), (69, 26363), (78, 26435), (81, 26447), (83, 26453), (85, 26480), (86, 26483), (89, 26498), (90, 26501), (93, 26519), (95, 26525), (97, 26537), (100, 26579), (102, 26609), (106, 26630),

Gene: Toaka_34 Start: 26261, Stop: 26884, Start Num: 16
Candidate Starts for Toaka_34:
(9, 26147), (Start: 16 @26261 has 12 MA's), (Start: 29 @26306 has 92 MA's), (Start: 32 @26327 has 5 MA's), (33, 26345), (43, 26411), (47, 26444), (70, 26603), (75, 26660), (88, 26729), (106, 26867),

Gene: Tubs_36 Start: 27013, Stop: 27594, Start Num: 29
Candidate Starts for Tubs_36:
(Start: 16 @26968 has 12 MA's), (Start: 29 @27013 has 92 MA's), (Start: 32 @27034 has 5 MA's), (62, 27244), (70, 27313), (72, 27343), (75, 27370), (88, 27439), (106, 27577),

Gene: Ugenie5_32 Start: 26979, Stop: 27605, Start Num: 16
Candidate Starts for Ugenie5_32:
(Start: 16 @26979 has 12 MA's), (Start: 29 @27024 has 92 MA's), (Start: 32 @27045 has 5 MA's), (62, 27255), (70, 27324), (72, 27354), (75, 27381), (88, 27450), (106, 27588),

Gene: Vanisoa_35 Start: 27553, Stop: 28128, Start Num: 29
Candidate Starts for Vanisoa_35:
(13, 27469), (Start: 16 @27508 has 12 MA's), (Start: 29 @27553 has 92 MA's), (Start: 32 @27571 has 5 MA's), (33, 27589), (43, 27655), (47, 27688), (70, 27847), (75, 27904), (88, 27973), (106, 28111), (107, 28114),

Gene: VohminGhazi_37 Start: 24966, Stop: 25652, Start Num: 11
Candidate Starts for VohminGhazi_37:
(Start: 11 @24966 has 7 MA's), (19, 25029), (Start: 29 @25074 has 92 MA's), (Start: 32 @25092 has 5 MA's), (33, 25110), (34, 25131), (42, 25173), (43, 25176), (48, 25215), (54, 25245), (59, 25281), (62, 25302), (69, 25368), (73, 25410), (78, 25440), (81, 25452), (83, 25458), (84, 25467), (85, 25485), (86, 25488), (90, 25506), (93, 25524), (97, 25542), (100, 25584), (102, 25614), (106, 25635),

Gene: Waits_36 Start: 24649, Stop: 25215, Start Num: 29
Candidate Starts for Waits_36:
(Start: 28 @24640 has 10 MA's), (Start: 29 @24649 has 92 MA's), (33, 24685), (34, 24706), (35, 24712), (43, 24751), (44, 24754), (52, 24808), (62, 24865), (79, 25006), (81, 25015), (82, 25018), (88, 25060), (95, 25093), (102, 25177), (105, 25195), (106, 25198),

Gene: Warrior24_36 Start: 24641, Stop: 25207, Start Num: 29
Candidate Starts for Warrior24_36:
(Start: 28 @24632 has 10 MA's), (Start: 29 @24641 has 92 MA's), (33, 24677), (34, 24698), (35, 24704), (43, 24743), (44, 24746), (52, 24800), (62, 24857), (79, 24998), (81, 25007), (82, 25010), (88, 25052), (95, 25085), (102, 25169), (105, 25187), (106, 25190),

Gene: WorldCup_33 Start: 26031, Stop: 26690, Start Num: 12
Candidate Starts for WorldCup_33:
(12, 26031), (Start: 16 @26070 has 12 MA's), (Start: 28 @26106 has 10 MA's), (Start: 29 @26115 has 92 MA's), (Start: 32 @26133 has 5 MA's), (33, 26151), (43, 26217), (47, 26250), (70, 26409), (75, 26466), (97, 26580), (106, 26673),

Gene: WunderPhul_37 Start: 24737, Stop: 25423, Start Num: 11
Candidate Starts for WunderPhul_37:
(Start: 11 @24737 has 7 MA's), (19, 24800), (Start: 29 @24845 has 92 MA's), (31, 24860), (33, 24881), (34, 24902), (42, 24944), (43, 24947), (48, 24986), (54, 25016), (59, 25052), (62, 25073), (69, 25139), (73, 25181), (78, 25211), (81, 25223), (83, 25229), (84, 25238), (85, 25256), (86, 25259), (90, 25277), (93, 25295), (97, 25313), (100, 25355), (102, 25385), (106, 25406),

Gene: Zulu_37 Start: 24846, Stop: 25424, Start Num: 29
Candidate Starts for Zulu_37:
(Start: 11 @24738 has 7 MA's), (19, 24801), (Start: 28 @24837 has 10 MA's), (Start: 29 @24846 has 92 MA's), (Start: 32 @24864 has 5 MA's), (33, 24882), (34, 24903), (42, 24945), (43, 24948), (48, 24987), (54, 25017), (59, 25053), (62, 25074), (69, 25140), (73, 25182), (78, 25212), (81, 25224), (83,

25230), (84, 25239), (85, 25257), (86, 25260), (90, 25278), (93, 25296), (97, 25314), (100, 25356), (102, 25386), (106, 25407),