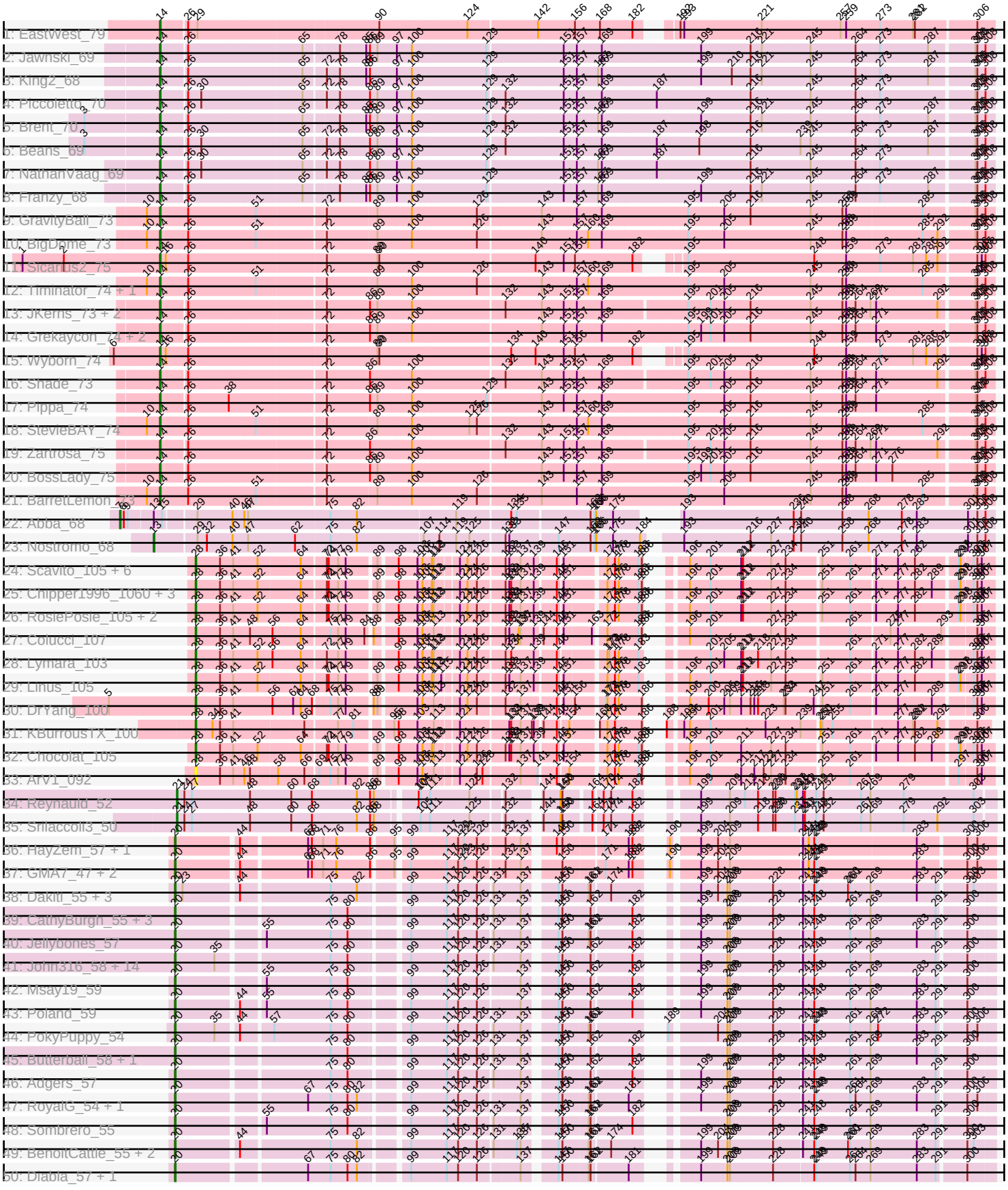
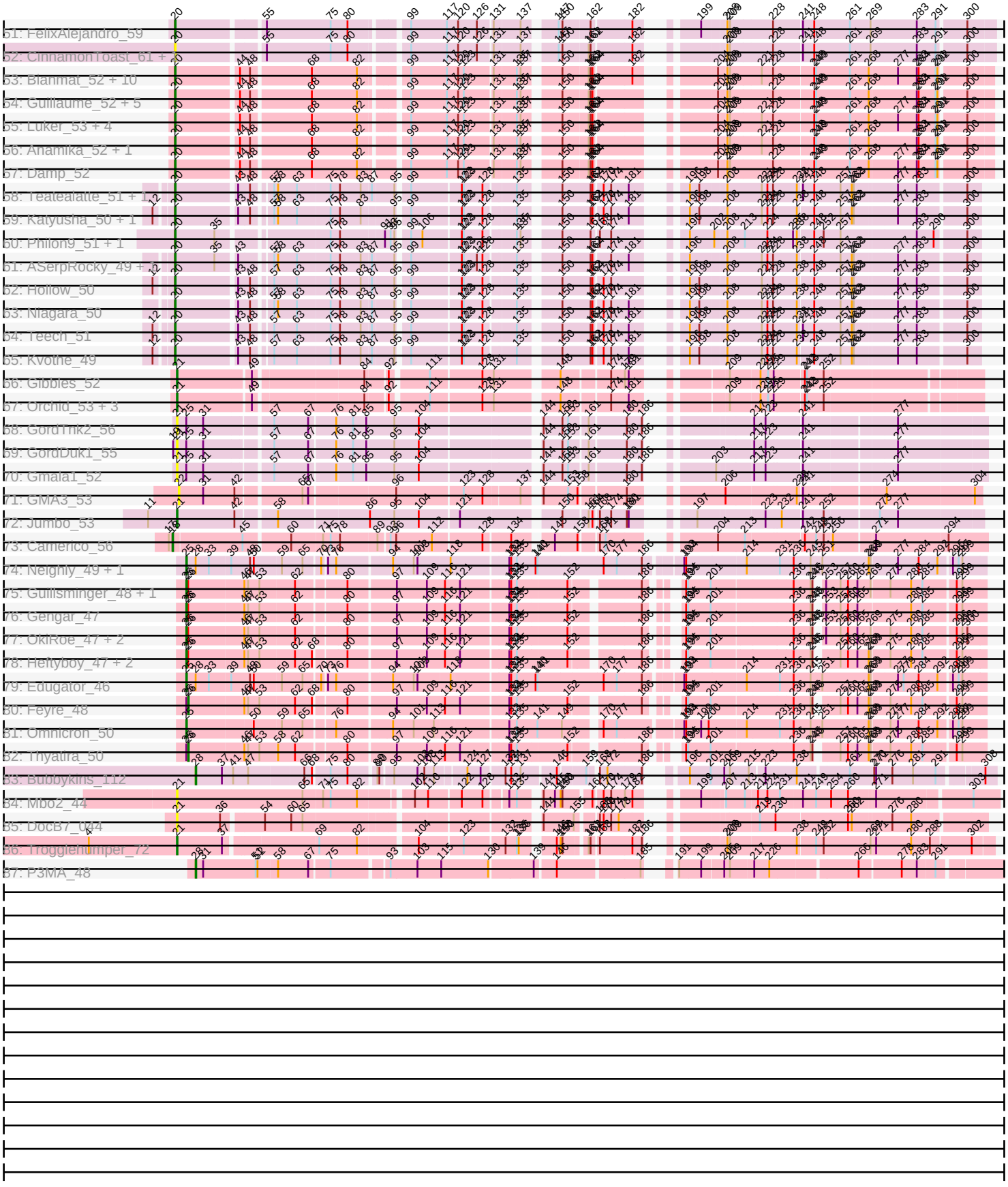
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51: FelixAlejandro_59
52: CinnamonToast_61 + 1
53: Blanmat_52 + 10
54: Guillaume_52 + 5
55: Luker_53 + 4
56: Anamika_52 + 1
57: Damp_52
58: Tealealatte_51 + 1
59: Katyusha_50 + 1
60: Philon9_51 + 1
61: ASerpRocky_49 + 2
62: Hollow_50
63: Niagara_50
64: Teech_51
65: Kvothe_49
66: Gibbles_52
67: Orchid_53 + 3
68: GordTnk2_56
69: GordDuk1_55
70: Gmala1_52
71: GMA3_53
72: Jumbo_53
73: Camerico_56
74: Neighly_49 + 1
75: Gullsminger_48 + 1
76: Gengar_47
77: OkiRoe_47 + 2
78: Heltyboy_47 + 2
79: Edugator_46
80: Feyre_48
81: Omnicron_50
82: Thyatira_50
83: Bubbykins_112
84: Mbo2_44
85: DocB7_004
86: Trogglehumper_72
87: P3MA_48

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 347322 Report

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

Pham number 347322 has 165 members, 14 are drafts.

Phages represented in each track:
- Track 1 : EastWest_79
- Track 2 : Jawnski_69
- Track 3 : King2_68
- Track 4 : Piccoletto_70
- Track 5 : Brent_70
- Track 6 : Beans_69
- Track 7 : NathanVaag_69
- Track 8 : Franzy_68
- Track 9 : GravityBall_73
- Track 10 : BigDome_73
- Track 11 : Sicarius2_75
- Track 12 : Timinator_74, LeeroyJ_74
- Track 13 : JKerns_73, Sonny_73, Jordan_74
- Track 14 : Grekaycon_74, TaeYoung_74, Martha_73
- Track 15 : Wyborn_74
- Track 16 : Shade_73
- Track 17 : Pippa_74
- Track 18 : StevieBAY_74
- Track 19 : Zartrosa_75
- Track 20 : BossLady_75
- Track 21 : BarretLemon_73
- Track 22 : Abba_68
- Track 23 : Nostromo_68
- Track 24 : Scavito_105, PrincessTrina_105, JaNo_103, HumptyDumpty_104, Mordred_104, Chubster_104, Kabreeze_104
- Track 25 : Chipper1996_1060, Conboy_104, Tophat_106, EdgarPoe_104
- Track 26 : RosiePosie_105, JayCookie_106, MoyaNatalis_105
- Track 27 : Colucci_107
- Track 28 : Lymara_103
- Track 29 : Linus_105
- Track 30 : DrYang_100
- Track 31 : KBurrousTX_100
- Track 32 : Chocolat_105
- Track 33 : ArV1_092
- Track 34 : Reynauld_52
- Track 35 : Srilaccoli3_50
- Track 36 : HayZem_57, GTE7_46

• Track 37 : GMA7_47, Austin_57, Amore2_58
• Track 38 : Dakiti_55, BigShaq_55, Chelms_54, Crete_56
• Track 39 : CathyBurgh_55, GourdThymes_55, RemRem_56, Lizzo_55
• Track 40 : Jellybones_57
• Track 41 : John316_58, Sam12_54, Squibbles_54, Kelzog_57, Worcestershire_54, Hotorobo_55, Monty_54, Barbochs_53, Flakey_54, BirksAndSocks_60, Gorko_54, Ekhein_55, Breezic_55, Exiguo_54, Beaver_58
• Track 42 : Msay19_59
• Track 43 : Poland_59
• Track 44 : PokyPuppy_54
• Track 45 : Butterball_58, Boneham_59
• Track 46 : Adgers_57
• Track 47 : RoyalG_54, SteveFrench_53
• Track 48 : Sombrero_55
• Track 49 : BenoitCattle_55, Linetti_55, PierreThree_54
• Track 50 : Diabla_57, Eggsie_52
• Track 51 : FelixAlejandro_59
• Track 52 : CinnamonToast_61, BillyBobJr_61
• Track 53 : Bianmat_52, GalacticEye_52, Jams_52, Sticker17_52, MrWormie_52, Lidong_52, Berries_52, Charianelly_52, Shelley_52, Minos_53, Kaseim_52
• Track 54 : Guillaume_52, Jormungandr_52, Nimi13_52, Harambe_52, Lahirium_52, Hello_52
• Track 55 : Luker_53, Newt_53, Neoevie_52, Teal_52, Woes_52
• Track 56 : Anamika_52, Hail2Pitt_51
• Track 57 : Damp_52
• Track 58 : Teatealatte_51, Tredge_51
• Track 59 : Katyusha_50, Benczkowski14_50
• Track 60 : Philon9_51, Vitaenoii_51
• Track 61 : ASerpRocky_49, Demosthenes_49
• Track 62 : Hollow_50
• Track 63 : Niagara_50
• Track 64 : Teech_51
• Track 65 : Kvothe_49
• Track 66 : Gibbles_52
• Track 67 : Orchid_53, Kampe_54, RobinSparkles_57, PatrickStar_54
• Track 68 : GordTnk2_56
• Track 69 : GordDuk1_55
• Track 70 : Gmala1_52
• Track 71 : GMA3_53
• Track 72 : Jumbo_53
• Track 73 : Camerico_56
• Track 74 : Neighly_49, Larva_48
• Track 75 : Guillsminger_48, Paola_47
• Track 76 : Gengar_47
• Track 77 : OkiRoe_47, Leston_47, Miryou_50
• Track 78 : Heftyboy_47, Waterfoul_48, SoSeph_47
• Track 79 : Edugator_46
• Track 80 : Feyre_48
• Track 81 : Omnicron_50
• Track 82 : Thyatira_50
• Track 83 : Bubbykins_112
• Track 84 : Mbo2_44
• Track 85 : DocB7_044

• Track 86 : Trogglehumper_72
• Track 87 : P3MA_48

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

The start number called the most often in the published annotations is 20, it was called in 78 of the 151 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ASerpRocky_49, Adgers_57, Amore2_58, Anamika_52, Austin_57, Barbochs_53, Beaver_58, Benczkowski14_50, BenoitCattle_55, Berries_52, Bianmat_52, BigShaq_55, BillyBobJr_61, BirksAndSocks_60, Boneham_59, Breezic_55, Butterball_58, CathyBurgh_55, Charianelly_52, Chelms_54, CinnamonToast_61, Crete_56, Dakiti_55, Damp_52, Demosthenes_49, Diabla_57, Eggsie_52, Ekhein_55, Exiguo_54, FelixAlejandro_59, Flakey_54, GMA7_47, GTE7_46, GalacticEye_52, Gorko_54, GourdThymes_55, Guillaume_52, Hail2Pitt_51, Harambe_52, HayZem_57, Hello_52, Hollow_50, Hotorobo_55, Jams_52, Jellybones_57, John316_58, Jormungandr_52, Kaseim_52, Katyusha_50, Kelzog_57, Kvothe_49, Lahirium_52, Lidong_52, Linetti_55, Lizzo_55, Luker_53, Minos_53, Monty_54, MrWormie_52, Msay19_59, Neoevie_52, Newt_53, Niagara_50, Nimi13_52, Philon9_51, PierreThree_54, PokyPuppy_54, Poland_59, RemRem_56, RoyalG_54, Sam12_54, Shelley_52, Sombrero_55, Squibbles_54, SteveFrench_53, Sticker17_52, Teal_52, Teatealatte_51, Teech_51, Tredge_51, Vitaenoii_51, Woes_52, Worcestershire_54,

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

Genes that do not have the "Most Annotated" start:
• Abba_68, ArV1_092, BarretLemon_73, Beans_69, BigDome_73, BossLady_75, Brent_70, Bubbykins_112, Camerico_56, Chipper1996_1060, Chocolat_105, Chubster_104, Colucci_107, Conboy_104, DocB7_044, DrYang_100, EastWest_79, EdgarPoe_104, Edugator_46, Feyre_48, Franzy_68, GMA3_53, Gengar_47, Gibbles_52, Gmala1_52, GordDuk1_55, GordTnk2_56, GravityBall_73, Grekaycon_74, Guillsminger_48, Heftyboy_47, HumptyDumpty_104, JKerns_73, JaNo_103, Jawnski_69, JayCookie_106, Jordan_74, Jumbo_53, KBurrousTX_100, Kabreeze_104, Kampe_54, King2_68, Larva_48, LeeroyJ_74, Leston_47, Linus_105, Lymara_103, Martha_73, Mbo2_44, Miryou_50, Mordred_104, MoyaNatalis_105, NathanVaag_69, Neighly_49, Nostromo_68, OkiRoe_47, Omnicron_50, Orchid_53, P3MA_48, Paola_47, PatrickStar_54, Piccoletto_70, Pippa_74, PrincessTrina_105, Reynauld_52, RobinSparkles_57, RosiePosie_105, Scavito_105, Shade_73, Sicarius2_75, SoSeph_47, Sonny_73, Srilaccoli3_50, StevieBAY_74, TaeYoung_74, Thyatira_50, Timinator_74, Tophat_106, Trogglehumper_72, Waterfoul_48, Wyborn_74, Zartrosa_75,

Summary by start number:

Start 7:
• Found in 1 of 165 (0.6%) of genes in pham
• Manual Annotations of this start: 1 of 151

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abba_68 (AO3),

Start 13:
• Found in 2 of 165 (1.2%) of genes in pham
• Manual Annotations of this start: 1 of 151
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Nostromo_68 (AO3),

Start 14:
• Found in 26 of 165 (15.8%) of genes in pham
• Manual Annotations of this start: 26 of 151
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BarretLemon_73 (AO2), Beans_69 (AO1), BigDome_73 (AO2), BossLady_75 (AO2), Brent_70 (AO1), EastWest_79 (AO), Franzy_68 (AO1), GravityBall_73 (AO2), Grekaycon_74 (AO2), JKerns_73 (AO2), Jawnski_69 (AO1), Jordan_74 (AO2), King2_68 (AO1), LeeroyJ_74 (AO2), Martha_73 (AO2), NathanVaag_69 (AO1), Piccoletto_70 (AO1), Pippa_74 (AO2), Shade_73 (AO2), Sicarius2_75 (AO2), Sonny_73 (AO2), StevieBAY_74 (AO2), TaeYoung_74 (AO2), Timinator_74 (AO2), Wyborn_74 (AO2), Zartrosa_75 (AO2),

Start 18:
• Found in 1 of 165 (0.6%) of genes in pham
• Manual Annotations of this start: 1 of 151
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Camerico_56 (DF4),

Start 20:
• Found in 83 of 165 (50.3%) of genes in pham
• Manual Annotations of this start: 78 of 151
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ASerpRocky_49 (CS4), Adgers_57 (CS2), Amore2_58 (CS1), Anamika_52 (CS3), Austin_57 (CS1), Barbochs_53 (CS2), Beaver_58 (CS2), Benczkowski14_50 (CS4), BenoitCattle_55 (CS2), Berries_52 (CS3), Bianmat_52 (CS3), BigShaq_55 (CS2), BillyBobJr_61 (CS2), BirksAndSocks_60 (CS2), Boneham_59 (CS2), Breezic_55 (CS2), Butterball_58 (CS2), CathyBurgh_55 (CS2), Charianelly_52 (CS3), Chelms_54 (CS2), CinnamonToast_61 (CS2), Crete_56 (CS2), Dakiti_55 (CS2), Damp_52 (CS3), Demosthenes_49 (CS4), Diabla_57 (CS2), Eggsie_52 (CS2), Ekhein_55 (CS2), Exiguo_54 (CS2), FelixAlejandro_59 (CS2), Flakey_54 (CS2), GMA7_47 (CS1), GTE7_46 (CS1), GalacticEye_52 (CS3), Gorko_54 (CS2), GourdThymes_55 (CS2), Guillaume_52 (CS3), Hail2Pitt_51 (CS3), Harambe_52 (CS3), HayZem_57 (CS1), Hello_52 (CS3), Hollow_50 (CS4), Hotorobo_55 (CS2), Jams_52 (CS3), Jellybones_57 (CS2), John316_58 (CS2), Jormungandr_52 (CS3), Kaseim_52 (CS3), Katyusha_50 (CS4), Kelzog_57 (CS2), Kvothe_49 (CS4), Lahirium_52 (CS3), Lidong_52 (CS3), Linetti_55 (CS2), Lizzo_55 (CS2), Luker_53 (CS3), Minos_53 (CS3), Monty_54 (CS2), MrWormie_52 (CS3), Msay19_59 (CS2), Neoevie_52 (CS3), Newt_53 (CS3), Niagara_50 (CS4), Nimi13_52 (CS3), Philon9_51 (CS4), PierreThree_54 (CS2), PokyPuppy_54 (CS2), Poland_59 (CS2), RemRem_56 (CS2), RoyalG_54 (CS2), Sam12_54 (CS2), Shelley_52 (CS3), Sombrero_55 (CS2), Squibbles_54 (CS2), SteveFrench_53 (CS2), Sticker17_52 (CS3), Teal_52 (CS3), Teatealatte_51 (CS4), Teech_51 (CS4), Tredge_51 (CS4), Vitaenoii_51 (CS4), Woes_52 (CS3), Worcestershire_54 (CS2),

Start 21:
• Found in 14 of 165 (8.5%) of genes in pham
• Manual Annotations of this start: 9 of 151
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DocB7_044 (singleton), Gibbles_52 (CX), Gmala1_52 (DF1), GordDuk1_55 (DF1), GordTnk2_56 (DF1), Jumbo_53 (DF3), Kampe_54 (CX), Mbo2_44 (singleton), Orchid_53 (CX), PatrickStar_54 (CX), Reynauld_52 (CH), RobinSparkles_57 (CX), Srilaccoli3_50 (CH), Trogglehumper_72 (singleton),

Start 22:
• Found in 1 of 165 (0.6%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GMA3_53 (DF2),

Start 25:
• Found in 18 of 165 (10.9%) of genes in pham
• Manual Annotations of this start: 12 of 151
• Called 72.2% of time when present
• Phage (with cluster) where this start called: Edugator_46 (K5), Gengar_47 (K5), Guillsminger_48 (K5), Heftyboy_47 (K5), Larva_48 (K5), Leston_47 (K5), Miryou_50 (K5), Neighly_49 (K3), OkiRoe_47 (K5), Omnicron_50 (K5), Paola_47 (K5), SoSeph_47 (K5), Waterfoul_48 (K5),

Start 26:
• Found in 37 of 165 (22.4%) of genes in pham
• Manual Annotations of this start: 2 of 151
• Called 5.4% of time when present
• Phage (with cluster) where this start called: Feyre_48 (K5), Thyatira_50 (K5),

Start 28:
• Found in 26 of 165 (15.8%) of genes in pham
• Manual Annotations of this start: 21 of 151
• Called 88.5% of time when present
• Phage (with cluster) where this start called: ArV1_092 (AR), Bubbykins_112 (UNK), Chipper1996_1060 (AR), Chocolat_105 (AR), Chubster_104 (AR), Colucci_107 (AR), Conboy_104 (AR), DrYang_100 (AR), EdgarPoe_104 (AR), HumptyDumpty_104 (AR), JaNo_103 (AR), JayCookie_106 (AR), KBurrousTX_100 (AR), Kabreeze_104 (AR), Linus_105 (AR), Lymara_103 (AR), Mordred_104 (AR), MoyaNatalis_105 (AR), P3MA_48 (singleton), PrincessTrina_105 (AR), RosiePosie_105 (AR), Scavito_105 (AR), Tophat_106 (AR),

Summary by clusters:

There are 19 clusters represented in this pham: singleton, CH, K5, DF4, CX, DF1, AO, DF2, K3, AR, AO3, AO2, AO1, DF3, CS4, UNK, CS1, CS3, CS2,

Info for manual annotations of cluster AO:
•Start number 14 was manually annotated 1 time for cluster AO.

Info for manual annotations of cluster AO1:

•Start number 14 was manually annotated 7 times for cluster AO1.

Info for manual annotations of cluster AO2:
•Start number 14 was manually annotated 18 times for cluster AO2.

Info for manual annotations of cluster AO3:
•Start number 7 was manually annotated 1 time for cluster AO3.
•Start number 13 was manually annotated 1 time for cluster AO3.

Info for manual annotations of cluster AR:
•Start number 28 was manually annotated 19 times for cluster AR.

Info for manual annotations of cluster CH:
•Start number 21 was manually annotated 2 times for cluster CH.

Info for manual annotations of cluster CS1:
•Start number 20 was manually annotated 3 times for cluster CS1.

Info for manual annotations of cluster CS2:
•Start number 20 was manually annotated 38 times for cluster CS2.

Info for manual annotations of cluster CS3:
•Start number 20 was manually annotated 25 times for cluster CS3.

Info for manual annotations of cluster CS4:
•Start number 20 was manually annotated 12 times for cluster CS4.

Info for manual annotations of cluster CX:
•Start number 21 was manually annotated 5 times for cluster CX.

Info for manual annotations of cluster DF3:
•Start number 21 was manually annotated 1 time for cluster DF3.

Info for manual annotations of cluster DF4:
•Start number 18 was manually annotated 1 time for cluster DF4.

Info for manual annotations of cluster K5:
•Start number 25 was manually annotated 12 times for cluster K5.
•Start number 26 was manually annotated 2 times for cluster K5.

Info for manual annotations of cluster UNK:
•Start number 28 was manually annotated 1 time for cluster UNK.

Gene Information:

Gene: ASerpRocky_49 Start: 49585, Stop: 48473, Start Num: 20
Candidate Starts for ASerpRocky_49:

(Start: 20 @49585 has 78 MA's), (35, 49522), (43, 49495), (57, 49453), (58, 49447), (63, 49417), (75, 49366), (78, 49351), (83, 49318), (87, 49303), (95, 49270), (99, 49255), (122, 49180), (123, 49177), (126, 49156), (128, 49147), (135, 49102), (150, 49048), (162, 49003), (164, 49000), (174, 48976), (181, 48949), (196, 48904), (208, 48853), (221, 48799), (224, 48790), (228, 48781), (238, 48745), (248, 48721), (257, 48679), (262, 48661), (263, 48658), (277, 48595), (283, 48565), (300, 48493),

Gene: Abba_68 Start: 44124, Stop: 42859, Start Num: 7
Candidate Starts for Abba_68:
(Start: 7 @44124 has 1 MA's), (8, 44118), (9, 44112), (Start: 13 @44076 has 1 MA's), (15, 44064), (29, 44019), (40, 43965), (46, 43950), (47, 43944), (75, 43815), (82, 43773), (119, 43620), (134, 43539), (135, 43530), (162, 43422), (165, 43416), (166, 43413), (175, 43386), (193, 43344), (236, 43170), (240, 43158), (258, 43092), (268, 43050), (278, 42999), (283, 42975), (301, 42897), (306, 42882), (308, 42870),

Gene: Adgers_57 Start: 49096, Stop: 47963, Start Num: 20
Candidate Starts for Adgers_57:
(Start: 20 @49096 has 78 MA's), (75, 48868), (80, 48841), (99, 48766), (117, 48709), (120, 48691), (126, 48661), (131, 48640), (137, 48601), (147, 48559), (150, 48553), (162, 48511), (182, 48451), (199, 48394), (208, 48361), (209, 48358), (228, 48292), (241, 48250), (248, 48232), (261, 48175), (269, 48145), (291, 48046), (300, 48004),

Gene: Amore2_58 Start: 49549, Stop: 48410, Start Num: 20
Candidate Starts for Amore2_58:
(Start: 20 @49549 has 78 MA's), (44, 49456), (67, 49357), (68, 49351), (71, 49333), (76, 49312), (86, 49261), (95, 49234), (99, 49219), (117, 49162), (120, 49144), (123, 49135), (126, 49114), (132, 49078), (137, 49054), (150, 49006), (171, 48946), (181, 48910), (182, 48904), (190, 48883), (199, 48847), (204, 48823), (209, 48811), (241, 48703), (244, 48694), (248, 48685), (249, 48682), (283, 48526), (300, 48454), (306, 48439),

Gene: Anamika_52 Start: 49892, Stop: 48759, Start Num: 20
Candidate Starts for Anamika_52:
(Start: 20 @49892 has 78 MA's), (44, 49799), (48, 49784), (68, 49694), (82, 49622), (99, 49562), (117, 49505), (120, 49487), (123, 49478), (131, 49436), (135, 49403), (137, 49397), (150, 49349), (161, 49310), (162, 49307), (164, 49304), (204, 49166), (208, 49157), (209, 49154), (221, 49106), (228, 49088), (248, 49028), (249, 49025), (261, 48971), (268, 48941), (283, 48869), (284, 48866), (291, 48839), (292, 48836), (300, 48797),

Gene: ArV1_092 Start: 65759, Stop: 66874, Start Num: 28
Candidate Starts for ArV1_092:
(Start: 28 @65759 has 21 MA's), (36, 65798), (41, 65819), (46, 65837), (48, 65846), (58, 65888), (66, 65927), (69, 65945), (75, 65963), (77, 65975), (79, 65987), (89, 66029), (98, 66053), (103, 66083), (106, 66089), (113, 66107), (121, 66137), (126, 66164), (128, 66173), (137, 66227), (141, 66254), (146, 66278), (154, 66293), (172, 66341), (176, 66353), (178, 66359), (183, 66389), (186, 66395), (196, 66425), (201, 66458), (211, 66506), (217, 66527), (222, 66542), (227, 66554), (234, 66575), (251, 66626), (261, 66668), (297, 66824), (306, 66848), (307, 66854),

Gene: Austin_57 Start: 49547, Stop: 48408, Start Num: 20
Candidate Starts for Austin_57:
(Start: 20 @49547 has 78 MA's), (44, 49454), (67, 49355), (68, 49349), (71, 49331), (76, 49310), (86, 49259), (95, 49232), (99, 49217), (117, 49160), (120, 49142), (123, 49133), (126, 49112), (132, 49076), (137, 49052), (150, 49004), (171, 48944), (181, 48908), (182, 48902), (190, 48881), (199, 48845), (204, 48821), (209, 48809), (241, 48701), (244, 48692), (248, 48683), (249, 48680), (283, 48524), (300, 48452), (306, 48437),

Gene: Barbochs_53 Start: 48840, Stop: 47707, Start Num: 20
Candidate Starts for Barbochs_53:
(Start: 20 @48840 has 78 MA's), (35, 48777), (75, 48612), (80, 48585), (99, 48510), (117, 48453), (120, 48435), (126, 48405), (131, 48384), (137, 48345), (147, 48303), (150, 48297), (162, 48255), (182, 48195), (199, 48138), (208, 48105), (209, 48102), (228, 48036), (241, 47994), (248, 47976), (261, 47919), (269, 47889), (291, 47790), (300, 47748),

Gene: BarretLemon_73 Start: 47845, Stop: 46577, Start Num: 14
Candidate Starts for BarretLemon_73:
(10, 47863), (Start: 14 @47845 has 26 MA's), (Start: 26 @47806 has 2 MA's), (51, 47701), (72, 47599), (89, 47521), (100, 47467), (126, 47365), (143, 47269), (157, 47215), (169, 47176), (195, 47041), (205, 46984), (245, 46849), (258, 46798), (259, 46792), (285, 46675), (305, 46603), (306, 46600), (308, 46588),

Gene: Beans_69 Start: 47176, Stop: 45905, Start Num: 14
Candidate Starts for Beans_69:
(3, 47290), (Start: 14 @47176 has 26 MA's), (Start: 26 @47137 has 2 MA's), (30, 47116), (65, 46960), (72, 46930), (78, 46909), (86, 46864), (89, 46852), (97, 46822), (100, 46798), (129, 46681), (132, 46657), (151, 46567), (157, 46546), (169, 46507), (187, 46420), (198, 46354), (216, 46273), (239, 46195), (245, 46180), (264, 46108), (273, 46072), (287, 45997), (305, 45931), (306, 45928), (308, 45916),

Gene: Beaver_58 Start: 50610, Stop: 49477, Start Num: 20
Candidate Starts for Beaver_58:
(Start: 20 @50610 has 78 MA's), (35, 50547), (75, 50382), (80, 50355), (99, 50280), (117, 50223), (120, 50205), (126, 50175), (131, 50154), (137, 50115), (147, 50073), (150, 50067), (162, 50025), (182, 49965), (199, 49908), (208, 49875), (209, 49872), (228, 49806), (241, 49764), (248, 49746), (261, 49689), (269, 49659), (291, 49560), (300, 49518),

Gene: Benczkowski14_50 Start: 49856, Stop: 48744, Start Num: 20
Candidate Starts for Benczkowski14_50:
(12, 49880), (Start: 20 @49856 has 78 MA's), (43, 49766), (48, 49748), (57, 49724), (58, 49718), (63, 49688), (75, 49637), (78, 49622), (83, 49589), (95, 49541), (99, 49526), (122, 49451), (123, 49448), (128, 49418), (135, 49373), (150, 49319), (162, 49274), (164, 49271), (170, 49259), (174, 49247), (181, 49220), (196, 49175), (198, 49160), (208, 49124), (221, 49070), (224, 49061), (228, 49052), (238, 49016), (248, 48992), (257, 48950), (262, 48932), (263, 48929), (277, 48866), (283, 48836), (300, 48764),

Gene: BenoitCattle_55 Start: 49203, Stop: 48070, Start Num: 20
Candidate Starts for BenoitCattle_55:
(Start: 20 @49203 has 78 MA's), (44, 49110), (75, 48975), (82, 48933), (99, 48873), (117, 48816), (120, 48798), (126, 48768), (131, 48747), (135, 48714), (137, 48708), (147, 48666), (150, 48660), (161, 48621), (162, 48618), (174, 48591), (199, 48501), (204, 48477), (208, 48468), (209, 48465), (228, 48399), (241, 48357), (248, 48339), (249, 48336), (260, 48285), (261, 48282), (269, 48252), (283, 48183), (291, 48153), (300, 48111), (303, 48102),

Gene: Berries_52 Start: 49864, Stop: 48731, Start Num: 20
Candidate Starts for Berries_52:
(Start: 20 @49864 has 78 MA's), (44, 49771), (48, 49756), (68, 49666), (82, 49594), (99, 49534), (117, 49477), (120, 49459), (123, 49450), (131, 49408), (135, 49375), (137, 49369), (150, 49321), (161, 49282), (162, 49279), (164, 49276), (182, 49219), (204, 49138), (208, 49129), (209, 49126), (221, 49078), (228, 49060), (248, 49000), (249, 48997), (261, 48943), (268, 48913), (277, 48871), (283,

48841), (284, 48838), (291, 48811), (292, 48808), (300, 48769),

Gene: Bianmat_52 Start: 49904, Stop: 48771, Start Num: 20
Candidate Starts for Bianmat_52:
(Start: 20 @49904 has 78 MA's), (44, 49811), (48, 49796), (68, 49706), (82, 49634), (99, 49574), (117, 49517), (120, 49499), (123, 49490), (131, 49448), (135, 49415), (137, 49409), (150, 49361), (161, 49322), (162, 49319), (164, 49316), (182, 49259), (204, 49178), (208, 49169), (209, 49166), (221, 49118), (228, 49100), (248, 49040), (249, 49037), (261, 48983), (268, 48953), (277, 48911), (283, 48881), (284, 48878), (291, 48851), (292, 48848), (300, 48809),

Gene: BigDome_73 Start: 48020, Stop: 46752, Start Num: 14
Candidate Starts for BigDome_73:
(10, 48038), (Start: 14 @48020 has 26 MA's), (Start: 26 @47981 has 2 MA's), (51, 47876), (72, 47774), (89, 47696), (100, 47642), (126, 47540), (143, 47444), (157, 47390), (160, 47372), (169, 47351), (195, 47216), (205, 47159), (245, 47024), (258, 46973), (259, 46967), (285, 46850), (292, 46826), (305, 46778), (306, 46775), (308, 46763),

Gene: BigShaq_55 Start: 49208, Stop: 48075, Start Num: 20
Candidate Starts for BigShaq_55:
(Start: 20 @49208 has 78 MA's), (23, 49196), (44, 49115), (75, 48980), (82, 48938), (99, 48878), (117, 48821), (120, 48803), (126, 48773), (131, 48752), (137, 48713), (147, 48671), (150, 48665), (161, 48626), (162, 48623), (174, 48596), (199, 48506), (204, 48482), (208, 48473), (209, 48470), (228, 48404), (241, 48362), (248, 48344), (249, 48341), (260, 48290), (261, 48287), (269, 48257), (283, 48188), (291, 48158), (300, 48116), (303, 48107),

Gene: BillyBobJr_61 Start: 50920, Stop: 49787, Start Num: 20
Candidate Starts for BillyBobJr_61:
(Start: 20 @50920 has 78 MA's), (55, 50794), (75, 50692), (80, 50665), (99, 50590), (117, 50533), (120, 50515), (126, 50485), (131, 50464), (137, 50425), (147, 50383), (150, 50377), (161, 50338), (162, 50335), (182, 50275), (208, 50185), (209, 50182), (228, 50116), (241, 50074), (248, 50056), (261, 49999), (269, 49969), (283, 49900), (291, 49870), (300, 49828),

Gene: BirksAndSocks_60 Start: 50960, Stop: 49827, Start Num: 20
Candidate Starts for BirksAndSocks_60:
(Start: 20 @50960 has 78 MA's), (35, 50897), (75, 50732), (80, 50705), (99, 50630), (117, 50573), (120, 50555), (126, 50525), (131, 50504), (137, 50465), (147, 50423), (150, 50417), (162, 50375), (182, 50315), (199, 50258), (208, 50225), (209, 50222), (228, 50156), (241, 50114), (248, 50096), (261, 50039), (269, 50009), (291, 49910), (300, 49868),

Gene: Boneham_59 Start: 50861, Stop: 49728, Start Num: 20
Candidate Starts for Boneham_59:
(Start: 20 @50861 has 78 MA's), (75, 50633), (80, 50606), (99, 50531), (117, 50474), (120, 50456), (126, 50426), (131, 50405), (137, 50366), (147, 50324), (150, 50318), (162, 50276), (182, 50216), (208, 50126), (209, 50123), (228, 50057), (241, 50015), (248, 49997), (261, 49940), (269, 49910), (283, 49841), (291, 49811), (300, 49769),

Gene: BossLady_75 Start: 48370, Stop: 47105, Start Num: 14
Candidate Starts for BossLady_75:
(Start: 14 @48370 has 26 MA's), (Start: 26 @48334 has 2 MA's), (72, 48127), (86, 48061), (89, 48049), (100, 47995), (143, 47797), (151, 47764), (157, 47743), (169, 47704), (195, 47569), (199, 47548), (201, 47533), (205, 47512), (216, 47470), (245, 47377), (258, 47326), (259, 47320), (264, 47305), (271, 47275), (276, 47251), (305, 47131), (306, 47128), (308, 47116),

Gene: Breezic_55 Start: 48853, Stop: 47720, Start Num: 20
Candidate Starts for Breezic_55:
(Start: 20 @48853 has 78 MA's), (35, 48790), (75, 48625), (80, 48598), (99, 48523), (117, 48466), (120, 48448), (126, 48418), (131, 48397), (137, 48358), (147, 48316), (150, 48310), (162, 48268), (182, 48208), (199, 48151), (208, 48118), (209, 48115), (228, 48049), (241, 48007), (248, 47989), (261, 47932), (269, 47902), (291, 47803), (300, 47761),

Gene: Brent_70 Start: 47353, Stop: 46082, Start Num: 14
Candidate Starts for Brent_70:
(3, 47467), (Start: 14 @47353 has 26 MA's), (Start: 26 @47314 has 2 MA's), (65, 47137), (78, 47086), (85, 47044), (86, 47041), (89, 47029), (97, 46999), (100, 46975), (129, 46858), (132, 46834), (151, 46744), (157, 46723), (167, 46690), (169, 46684), (199, 46528), (216, 46450), (221, 46432), (245, 46357), (264, 46285), (273, 46249), (287, 46174), (305, 46108), (306, 46105), (308, 46093),

Gene: Bubbykins_112 Start: 65103, Stop: 66218, Start Num: 28
Candidate Starts for Bubbykins_112:
(Start: 28 @65103 has 21 MA's), (37, 65145), (41, 65163), (47, 65187), (66, 65271), (68, 65283), (75, 65307), (80, 65334), (89, 65373), (90, 65376), (95, 65394), (103, 65430), (108, 65439), (113, 65454), (124, 65496), (127, 65517), (132, 65550), (134, 65559), (137, 65574), (146, 65625), (159, 65664), (168, 65673), (172, 65685), (186, 65739), (196, 65769), (201, 65802), (205, 65823), (209, 65832), (215, 65862), (223, 65883), (238, 65931), (261, 66006), (270, 66042), (271, 66045), (276, 66069), (281, 66102), (291, 66138), (308, 66201),

Gene: Butterball_58 Start: 50866, Stop: 49733, Start Num: 20
Candidate Starts for Butterball_58:
(Start: 20 @50866 has 78 MA's), (75, 50638), (80, 50611), (99, 50536), (117, 50479), (120, 50461), (126, 50431), (131, 50410), (137, 50371), (147, 50329), (150, 50323), (162, 50281), (182, 50221), (208, 50131), (209, 50128), (228, 50062), (241, 50020), (248, 50002), (261, 49945), (269, 49915), (283, 49846), (291, 49816), (300, 49774),

Gene: Camerico_56 Start: 51455, Stop: 50304, Start Num: 18
Candidate Starts for Camerico_56:
(17, 51461), (Start: 18 @51455 has 1 MA's), (45, 51347), (60, 51278), (71, 51230), (75, 51218), (78, 51206), (89, 51149), (93, 51134), (96, 51125), (112, 51068), (128, 50993), (134, 50954), (145, 50903), (158, 50867), (168, 50843), (171, 50834), (204, 50708), (213, 50666), (242, 50579), (249, 50561), (252, 50549), (256, 50537), (271, 50477), (294, 50366),

Gene: CathyBurgh_55 Start: 49430, Stop: 48297, Start Num: 20
Candidate Starts for CathyBurgh_55:
(Start: 20 @49430 has 78 MA's), (75, 49202), (80, 49175), (99, 49100), (117, 49043), (120, 49025), (126, 48995), (131, 48974), (137, 48935), (147, 48893), (150, 48887), (162, 48845), (182, 48785), (199, 48728), (208, 48695), (209, 48692), (228, 48626), (241, 48584), (248, 48566), (261, 48509), (269, 48479), (291, 48380), (300, 48338),

Gene: Charianelly_52 Start: 49614, Stop: 48481, Start Num: 20
Candidate Starts for Charianelly_52:
(Start: 20 @49614 has 78 MA's), (44, 49521), (48, 49506), (68, 49416), (82, 49344), (99, 49284), (117, 49227), (120, 49209), (123, 49200), (131, 49158), (135, 49125), (137, 49119), (150, 49071), (161, 49032), (162, 49029), (164, 49026), (182, 48969), (204, 48888), (208, 48879), (209, 48876), (221, 48828), (228, 48810), (248, 48750), (249, 48747), (261, 48693), (268, 48663), (277, 48621), (283, 48591), (284, 48588), (291, 48561), (292, 48558), (300, 48519),

Gene: Chelms_54 Start: 49196, Stop: 48063, Start Num: 20

Candidate Starts for Chelms_54:
(Start: 20 @49196 has 78 MA's), (23, 49184), (44, 49103), (75, 48968), (82, 48926), (99, 48866), (117, 48809), (120, 48791), (126, 48761), (131, 48740), (137, 48701), (147, 48659), (150, 48653), (161, 48614), (162, 48611), (174, 48584), (199, 48494), (204, 48470), (208, 48461), (209, 48458), (228, 48392), (241, 48350), (248, 48332), (249, 48329), (260, 48278), (261, 48275), (269, 48245), (283, 48176), (291, 48146), (300, 48104), (303, 48095),

Gene: Chipper1996_1060 Start: 66517, Stop: 67632, Start Num: 28
Candidate Starts for Chipper1996_1060:
(Start: 28 @66517 has 21 MA's), (36, 66556), (41, 66577), (52, 66616), (64, 66679), (72, 66715), (74, 66718), (77, 66733), (79, 66745), (89, 66787), (98, 66811), (103, 66841), (106, 66847), (112, 66862), (113, 66865), (121, 66895), (124, 66907), (126, 66922), (132, 66961), (133, 66967), (134, 66970), (137, 66985), (139, 67006), (146, 67036), (151, 67042), (172, 67099), (176, 67111), (178, 67117), (183, 67147), (186, 67153), (196, 67183), (201, 67216), (211, 67264), (212, 67267), (227, 67312), (234, 67333), (251, 67384), (261, 67426), (271, 67462), (277, 67495), (282, 67522), (289, 67549), (297, 67582), (298, 67585), (303, 67600), (306, 67606), (307, 67612),

Gene: Chocolat_105 Start: 66228, Stop: 67343, Start Num: 28
Candidate Starts for Chocolat_105:
(Start: 28 @66228 has 21 MA's), (36, 66267), (41, 66288), (52, 66327), (64, 66390), (72, 66426), (74, 66429), (77, 66444), (79, 66456), (89, 66498), (98, 66522), (103, 66552), (106, 66558), (112, 66573), (113, 66576), (121, 66606), (124, 66618), (126, 66633), (132, 66672), (133, 66678), (134, 66681), (137, 66696), (139, 66717), (146, 66747), (151, 66753), (172, 66810), (176, 66822), (178, 66828), (183, 66858), (186, 66864), (196, 66894), (201, 66927), (211, 66975), (227, 67023), (234, 67044), (251, 67095), (261, 67137), (271, 67173), (277, 67206), (282, 67233), (289, 67260), (297, 67293), (298, 67296), (303, 67311), (306, 67317), (307, 67323),

Gene: Chubster_104 Start: 66213, Stop: 67328, Start Num: 28
Candidate Starts for Chubster_104:
(Start: 28 @66213 has 21 MA's), (36, 66252), (41, 66273), (52, 66312), (64, 66375), (72, 66411), (74, 66414), (77, 66429), (79, 66441), (89, 66483), (98, 66507), (103, 66537), (106, 66543), (112, 66558), (113, 66561), (121, 66591), (124, 66603), (126, 66618), (132, 66657), (133, 66663), (137, 66681), (139, 66702), (146, 66732), (151, 66738), (172, 66795), (176, 66807), (178, 66813), (183, 66843), (186, 66849), (196, 66879), (201, 66912), (211, 66960), (212, 66963), (227, 67008), (234, 67029), (251, 67080), (261, 67122), (271, 67158), (277, 67191), (282, 67218), (297, 67278), (298, 67281), (303, 67296), (306, 67302), (307, 67308),

Gene: CinnamonToast_61 Start: 50920, Stop: 49787, Start Num: 20
Candidate Starts for CinnamonToast_61:
(Start: 20 @50920 has 78 MA's), (55, 50794), (75, 50692), (80, 50665), (99, 50590), (117, 50533), (120, 50515), (126, 50485), (131, 50464), (137, 50425), (147, 50383), (150, 50377), (161, 50338), (162, 50335), (182, 50275), (208, 50185), (209, 50182), (228, 50116), (241, 50074), (248, 50056), (261, 49999), (269, 49969), (283, 49900), (291, 49870), (300, 49828),

Gene: Colucci_107 Start: 66656, Stop: 67771, Start Num: 28
Candidate Starts for Colucci_107:
(Start: 28 @66656 has 21 MA's), (36, 66695), (41, 66716), (48, 66743), (56, 66776), (64, 66818), (75, 66860), (77, 66872), (79, 66884), (84, 66914), (88, 66920), (98, 66950), (103, 66980), (106, 66986), (113, 67004), (121, 67034), (126, 67061), (132, 67100), (133, 67106), (136, 67121), (137, 67124), (139, 67145), (144, 67154), (146, 67175), (151, 67181), (163, 67223), (172, 67238), (183, 67286), (186, 67292), (196, 67322), (201, 67355), (227, 67451), (234, 67472), (261, 67565), (275, 67622), (277, 67634), (293, 67703), (306, 67745), (307, 67751),

Gene: Conboy_104 Start: 66050, Stop: 67165, Start Num: 28
Candidate Starts for Conboy_104:
(Start: 28 @66050 has 21 MA's), (36, 66089), (41, 66110), (52, 66149), (64, 66212), (72, 66248), (74, 66251), (77, 66266), (79, 66278), (89, 66320), (98, 66344), (103, 66374), (106, 66380), (112, 66395), (113, 66398), (121, 66428), (124, 66440), (126, 66455), (132, 66494), (133, 66500), (134, 66503), (137, 66518), (139, 66539), (146, 66569), (151, 66575), (172, 66632), (176, 66644), (178, 66650), (183, 66680), (186, 66686), (196, 66716), (201, 66749), (211, 66797), (212, 66800), (227, 66845), (234, 66866), (251, 66917), (261, 66959), (271, 66995), (277, 67028), (282, 67055), (289, 67082), (297, 67115), (298, 67118), (303, 67133), (306, 67139), (307, 67145),

Gene: Crete_56 Start: 49474, Stop: 48341, Start Num: 20
Candidate Starts for Crete_56:
(Start: 20 @49474 has 78 MA's), (23, 49462), (44, 49381), (75, 49246), (82, 49204), (99, 49144), (117, 49087), (120, 49069), (126, 49039), (131, 49018), (137, 48979), (147, 48937), (150, 48931), (161, 48892), (162, 48889), (174, 48862), (199, 48772), (204, 48748), (208, 48739), (209, 48736), (228, 48670), (241, 48628), (248, 48610), (249, 48607), (260, 48556), (261, 48553), (269, 48523), (283, 48454), (291, 48424), (300, 48382), (303, 48373),

Gene: Dakiti_55 Start: 50064, Stop: 48931, Start Num: 20
Candidate Starts for Dakiti_55:
(Start: 20 @50064 has 78 MA's), (23, 50052), (44, 49971), (75, 49836), (82, 49794), (99, 49734), (117, 49677), (120, 49659), (126, 49629), (131, 49608), (137, 49569), (147, 49527), (150, 49521), (161, 49482), (162, 49479), (174, 49452), (199, 49362), (204, 49338), (208, 49329), (209, 49326), (228, 49260), (241, 49218), (248, 49200), (249, 49197), (260, 49146), (261, 49143), (269, 49113), (283, 49044), (291, 49014), (300, 48972), (303, 48963),

Gene: Damp_52 Start: 48778, Stop: 47645, Start Num: 20
Candidate Starts for Damp_52:
(Start: 20 @48778 has 78 MA's), (44, 48685), (48, 48670), (68, 48580), (82, 48508), (99, 48448), (117, 48391), (120, 48373), (123, 48364), (131, 48322), (135, 48289), (137, 48283), (150, 48235), (161, 48196), (162, 48193), (164, 48190), (204, 48052), (208, 48043), (209, 48040), (228, 47974), (248, 47914), (249, 47911), (261, 47857), (268, 47827), (277, 47785), (283, 47755), (284, 47752), (291, 47725), (292, 47722), (300, 47683),

Gene: Demosthenes_49 Start: 49561, Stop: 48449, Start Num: 20
Candidate Starts for Demosthenes_49:
(Start: 20 @49561 has 78 MA's), (35, 49498), (43, 49471), (57, 49429), (58, 49423), (63, 49393), (75, 49342), (78, 49327), (83, 49294), (87, 49279), (95, 49246), (99, 49231), (122, 49156), (123, 49153), (126, 49132), (128, 49123), (135, 49078), (150, 49024), (162, 48979), (164, 48976), (174, 48952), (181, 48925), (196, 48880), (208, 48829), (221, 48775), (224, 48766), (228, 48757), (238, 48721), (248, 48697), (257, 48655), (262, 48637), (263, 48634), (277, 48571), (283, 48541), (300, 48469),

Gene: Diabla_57 Start: 50534, Stop: 49401, Start Num: 20
Candidate Starts for Diabla_57:
(Start: 20 @50534 has 78 MA's), (67, 50342), (75, 50306), (80, 50279), (82, 50264), (99, 50204), (117, 50147), (120, 50129), (126, 50099), (137, 50039), (147, 49997), (150, 49991), (161, 49952), (162, 49949), (181, 49895), (199, 49832), (208, 49799), (209, 49796), (228, 49730), (248, 49670), (249, 49667), (261, 49613), (264, 49604), (269, 49583), (283, 49514), (291, 49484), (300, 49442),

Gene: DocB7_044 Start: 41300, Stop: 40185, Start Num: 21
Candidate Starts for DocB7_044:
(Start: 21 @41300 has 9 MA's), (36, 41231), (54, 41171), (60, 41129), (65, 41111), (144, 40787), (155, 40739), (168, 40712), (170, 40706), (174, 40694), (178, 40682), (219, 40523), (230, 40499), (260,

40388), (262, 40382), (276, 40325), (280, 40295),

Gene: DrYang_100 Start: 65833, Stop: 66951, Start Num: 28
Candidate Starts for DrYang_100:
(5, 65695), (Start: 28 @65833 has 21 MA's), (36, 65872), (41, 65893), (56, 65956), (61, 65986), (64, 65998), (68, 66016), (75, 66040), (77, 66052), (79, 66064), (88, 66100), (89, 66106), (103, 66160), (106, 66166), (113, 66184), (121, 66214), (124, 66226), (126, 66241), (132, 66280), (137, 66304), (146, 66355), (151, 66361), (156, 66376), (171, 66415), (172, 66418), (176, 66430), (178, 66436), (186, 66472), (196, 66502), (200, 66532), (205, 66556), (209, 66565), (211, 66583), (216, 66598), (217, 66604), (218, 66610), (233, 66649), (234, 66652), (247, 66697), (251, 66703), (261, 66745), (271, 66781), (277, 66814), (289, 66868), (303, 66919), (306, 66925), (307, 66931),

Gene: EastWest_79 Start: 47327, Stop: 46092, Start Num: 14
Candidate Starts for EastWest_79:
(Start: 14 @47327 has 26 MA's), (Start: 26 @47291 has 2 MA's), (29, 47276), (90, 46997), (124, 46859), (142, 46754), (156, 46697), (168, 46658), (182, 46607), (192, 46571), (193, 46565), (221, 46442), (257, 46319), (259, 46310), (273, 46259), (281, 46208), (282, 46205), (306, 46115),

Gene: EdgarPoe_104 Start: 66130, Stop: 67245, Start Num: 28
Candidate Starts for EdgarPoe_104:
(Start: 28 @66130 has 21 MA's), (36, 66169), (41, 66190), (52, 66229), (64, 66292), (72, 66328), (74, 66331), (77, 66346), (79, 66358), (89, 66400), (98, 66424), (103, 66454), (106, 66460), (112, 66475), (113, 66478), (121, 66508), (124, 66520), (126, 66535), (132, 66574), (133, 66580), (134, 66583), (137, 66598), (139, 66619), (146, 66649), (151, 66655), (172, 66712), (176, 66724), (178, 66730), (183, 66760), (186, 66766), (196, 66796), (201, 66829), (211, 66877), (212, 66880), (227, 66925), (234, 66946), (251, 66997), (261, 67039), (271, 67075), (277, 67108), (282, 67135), (289, 67162), (297, 67195), (298, 67198), (303, 67213), (306, 67219), (307, 67225),

Gene: Edugator_46 Start: 37339, Stop: 38523, Start Num: 25
Candidate Starts for Edugator_46:
(Start: 25 @37339 has 12 MA's), (Start: 28 @37354 has 21 MA's), (33, 37375), (39, 37408), (48, 37438), (50, 37444), (59, 37486), (65, 37519), (70, 37543), (73, 37549), (76, 37561), (94, 37642), (101, 37675), (103, 37681), (118, 37729), (133, 37813), (134, 37816), (135, 37825), (140, 37855), (141, 37858), (170, 37957), (177, 37978), (186, 38017), (193, 38068), (194, 38071), (214, 38164), (231, 38215), (236, 38236), (245, 38263), (251, 38281), (268, 38353), (269, 38356), (277, 38392), (279, 38401), (284, 38425), (292, 38455), (295, 38473), (297, 38482), (299, 38488),

Gene: Eggsie_52 Start: 48496, Stop: 47363, Start Num: 20
Candidate Starts for Eggsie_52:
(Start: 20 @48496 has 78 MA's), (67, 48304), (75, 48268), (80, 48241), (82, 48226), (99, 48166), (117, 48109), (120, 48091), (126, 48061), (137, 48001), (147, 47959), (150, 47953), (161, 47914), (162, 47911), (181, 47857), (199, 47794), (208, 47761), (209, 47758), (228, 47692), (248, 47632), (249, 47629), (261, 47575), (264, 47566), (269, 47545), (283, 47476), (291, 47446), (300, 47404),

Gene: Ekhein_55 Start: 48558, Stop: 47425, Start Num: 20
Candidate Starts for Ekhein_55:
(Start: 20 @48558 has 78 MA's), (35, 48495), (75, 48330), (80, 48303), (99, 48228), (117, 48171), (120, 48153), (126, 48123), (131, 48102), (137, 48063), (147, 48021), (150, 48015), (162, 47973), (182, 47913), (199, 47856), (208, 47823), (209, 47820), (228, 47754), (241, 47712), (248, 47694), (261, 47637), (269, 47607), (291, 47508), (300, 47466),

Gene: Exiguo_54 Start: 48570, Stop: 47437, Start Num: 20
Candidate Starts for Exiguo_54:

(Start: 20 @48570 has 78 MA's), (35, 48507), (75, 48342), (80, 48315), (99, 48240), (117, 48183), (120, 48165), (126, 48135), (131, 48114), (137, 48075), (147, 48033), (150, 48027), (162, 47985), (182, 47925), (199, 47868), (208, 47835), (209, 47832), (228, 47766), (241, 47724), (248, 47706), (261, 47649), (269, 47619), (291, 47520), (300, 47478),

Gene: FelixAlejandro_59 Start: 51064, Stop: 49931, Start Num: 20
Candidate Starts for FelixAlejandro_59:
(Start: 20 @51064 has 78 MA's), (55, 50938), (75, 50836), (80, 50809), (99, 50734), (117, 50677), (120, 50659), (126, 50629), (131, 50608), (137, 50569), (147, 50527), (150, 50521), (162, 50479), (182, 50419), (199, 50362), (208, 50329), (209, 50326), (228, 50260), (241, 50218), (248, 50200), (261, 50143), (269, 50113), (283, 50044), (291, 50014), (300, 49972),

Gene: Feyre_48 Start: 38212, Stop: 39339, Start Num: 26
Candidate Starts for Feyre_48:
(Start: 25 @38209 has 12 MA's), (Start: 26 @38212 has 2 MA's), (46, 38299), (47, 38305), (53, 38323), (62, 38377), (68, 38404), (80, 38449), (97, 38521), (109, 38569), (116, 38596), (121, 38620), (133, 38692), (134, 38695), (135, 38704), (152, 38779), (186, 38875), (194, 38905), (195, 38908), (201, 38944), (236, 39067), (245, 39094), (246, 39097), (257, 39124), (260, 39136), (265, 39151), (268, 39169), (269, 39172), (275, 39196), (280, 39229), (285, 39247), (296, 39295), (299, 39304),

Gene: Flakey_54 Start: 49434, Stop: 48301, Start Num: 20
Candidate Starts for Flakey_54:
(Start: 20 @49434 has 78 MA's), (35, 49371), (75, 49206), (80, 49179), (99, 49104), (117, 49047), (120, 49029), (126, 48999), (131, 48978), (137, 48939), (147, 48897), (150, 48891), (162, 48849), (182, 48789), (199, 48732), (208, 48699), (209, 48696), (228, 48630), (241, 48588), (248, 48570), (261, 48513), (269, 48483), (291, 48384), (300, 48342),

Gene: Franzy_68 Start: 47435, Stop: 46164, Start Num: 14
Candidate Starts for Franzy_68:
(Start: 14 @47435 has 26 MA's), (Start: 26 @47396 has 2 MA's), (65, 47219), (78, 47168), (85, 47126), (86, 47123), (89, 47111), (97, 47081), (100, 47057), (129, 46940), (151, 46826), (157, 46805), (167, 46772), (169, 46766), (199, 46610), (216, 46532), (221, 46514), (245, 46439), (264, 46367), (273, 46331), (287, 46256), (305, 46190), (306, 46187), (308, 46175),

Gene: GMA3_53 Start: 47669, Stop: 46542, Start Num: 22
Candidate Starts for GMA3_53:
(22, 47669), (31, 47630), (42, 47582), (65, 47489), (67, 47480), (96, 47351), (123, 47249), (128, 47219), (137, 47165), (144, 47147), (153, 47108), (158, 47093), (180, 47027), (206, 46922), (238, 46814), (241, 46808), (274, 46688), (304, 46553),

Gene: GMA7_47 Start: 43763, Stop: 42624, Start Num: 20
Candidate Starts for GMA7_47:
(Start: 20 @43763 has 78 MA's), (44, 43670), (67, 43571), (68, 43565), (71, 43547), (76, 43526), (86, 43475), (95, 43448), (99, 43433), (117, 43376), (120, 43358), (123, 43349), (126, 43328), (132, 43292), (137, 43268), (150, 43220), (171, 43160), (181, 43124), (182, 43118), (190, 43097), (199, 43061), (204, 43037), (209, 43025), (241, 42917), (244, 42908), (248, 42899), (249, 42896), (283, 42740), (300, 42668), (306, 42653),

Gene: GTE7_46 Start: 43794, Stop: 42655, Start Num: 20
Candidate Starts for GTE7_46:
(Start: 20 @43794 has 78 MA's), (44, 43701), (67, 43602), (68, 43596), (71, 43578), (76, 43557), (86, 43506), (95, 43479), (99, 43464), (117, 43407), (120, 43389), (123, 43380), (126, 43359), (132, 43323), (137, 43299), (146, 43260), (150, 43251), (171, 43191), (181, 43155), (182, 43149), (190,

43128), (199, 43092), (204, 43068), (209, 43056), (241, 42948), (244, 42939), (248, 42930), (249, 42927), (283, 42771), (300, 42699), (306, 42684),

Gene: GalacticEye_52 Start: 49575, Stop: 48442, Start Num: 20
Candidate Starts for GalacticEye_52:
(Start: 20 @49575 has 78 MA's), (44, 49482), (48, 49467), (68, 49377), (82, 49305), (99, 49245), (117, 49188), (120, 49170), (123, 49161), (131, 49119), (135, 49086), (137, 49080), (150, 49032), (161, 48993), (162, 48990), (164, 48987), (182, 48930), (204, 48849), (208, 48840), (209, 48837), (221, 48789), (228, 48771), (248, 48711), (249, 48708), (261, 48654), (268, 48624), (277, 48582), (283, 48552), (284, 48549), (291, 48522), (292, 48519), (300, 48480),

Gene: Gengar_47 Start: 36820, Stop: 37950, Start Num: 25
Candidate Starts for Gengar_47:
(Start: 25 @36820 has 12 MA's), (Start: 26 @36823 has 2 MA's), (46, 36910), (47, 36916), (53, 36934), (62, 36988), (80, 37060), (97, 37132), (109, 37180), (116, 37207), (121, 37231), (133, 37303), (134, 37306), (135, 37315), (152, 37390), (186, 37486), (194, 37516), (195, 37519), (201, 37555), (236, 37678), (245, 37705), (246, 37708), (253, 37714), (257, 37735), (260, 37747), (265, 37762), (280, 37840), (285, 37858), (296, 37906), (299, 37915),

Gene: Gibbles_52 Start: 47883, Stop: 46774, Start Num: 21
Candidate Starts for Gibbles_52:
(Start: 21 @47883 has 9 MA's), (49, 47772), (84, 47610), (92, 47580), (111, 47526), (128, 47448), (131, 47430), (148, 47343), (174, 47274), (179, 47253), (181, 47247), (209, 47148), (220, 47103), (225, 47091), (229, 47082), (242, 47037), (243, 47034), (252, 47007),

Gene: Gmala1_52 Start: 46138, Stop: 45002, Start Num: 21
Candidate Starts for Gmala1_52:
(Start: 21 @46138 has 9 MA's), (Start: 25 @46123 has 12 MA's), (31, 46096), (57, 46000), (67, 45946), (76, 45907), (81, 45883), (85, 45862), (95, 45820), (104, 45781), (144, 45610), (150, 45580), (153, 45571), (161, 45544), (180, 45490), (186, 45466), (203, 45400), (217, 45349), (223, 45331), (241, 45277), (277, 45139),

Gene: GordDuk1_55 Start: 46649, Stop: 45513, Start Num: 21
Candidate Starts for GordDuk1_55:
(19, 46655), (Start: 21 @46649 has 9 MA's), (Start: 25 @46634 has 12 MA's), (31, 46607), (57, 46511), (67, 46457), (76, 46418), (81, 46394), (85, 46373), (95, 46331), (104, 46292), (144, 46121), (150, 46091), (153, 46082), (161, 46055), (180, 46001), (186, 45977), (217, 45860), (223, 45842), (241, 45788), (277, 45650),

Gene: GordTnk2_56 Start: 46803, Stop: 45667, Start Num: 21
Candidate Starts for GordTnk2_56:
(Start: 21 @46803 has 9 MA's), (Start: 25 @46788 has 12 MA's), (31, 46761), (57, 46665), (67, 46611), (76, 46572), (81, 46548), (85, 46527), (95, 46485), (104, 46446), (144, 46275), (150, 46245), (153, 46236), (161, 46209), (180, 46155), (186, 46131), (217, 46014), (223, 45996), (241, 45942), (277, 45804),

Gene: Gorko_54 Start: 48562, Stop: 47429, Start Num: 20
Candidate Starts for Gorko_54:
(Start: 20 @48562 has 78 MA's), (35, 48499), (75, 48334), (80, 48307), (99, 48232), (117, 48175), (120, 48157), (126, 48127), (131, 48106), (137, 48067), (147, 48025), (150, 48019), (162, 47977), (182, 47917), (199, 47860), (208, 47827), (209, 47824), (228, 47758), (241, 47716), (248, 47698), (261, 47641), (269, 47611), (291, 47512), (300, 47470),

Gene: GourdThymes_55 Start: 49436, Stop: 48303, Start Num: 20
Candidate Starts for GourdThymes_55:
(Start: 20 @49436 has 78 MA's), (75, 49208), (80, 49181), (99, 49106), (117, 49049), (120, 49031), (126, 49001), (131, 48980), (137, 48941), (147, 48899), (150, 48893), (162, 48851), (182, 48791), (199, 48734), (208, 48701), (209, 48698), (228, 48632), (241, 48590), (248, 48572), (261, 48515), (269, 48485), (291, 48386), (300, 48344),

Gene: GravityBall_73 Start: 48036, Stop: 46768, Start Num: 14
Candidate Starts for GravityBall_73:
(10, 48054), (Start: 14 @48036 has 26 MA's), (Start: 26 @47997 has 2 MA's), (51, 47892), (72, 47790), (89, 47712), (100, 47658), (126, 47556), (143, 47460), (157, 47406), (169, 47367), (195, 47232), (205, 47175), (216, 47133), (245, 47040), (258, 46989), (259, 46983), (285, 46866), (305, 46794), (306, 46791), (308, 46779),

Gene: Grekaycon_74 Start: 48283, Stop: 47018, Start Num: 14
Candidate Starts for Grekaycon_74:
(Start: 14 @48283 has 26 MA's), (Start: 26 @48247 has 2 MA's), (72, 48040), (86, 47974), (89, 47962), (100, 47908), (143, 47710), (151, 47677), (157, 47656), (169, 47617), (195, 47482), (199, 47461), (201, 47446), (205, 47425), (216, 47383), (245, 47290), (258, 47239), (259, 47233), (264, 47218), (271, 47188), (305, 47044), (306, 47041), (308, 47029),

Gene: Guillaume_52 Start: 49625, Stop: 48492, Start Num: 20
Candidate Starts for Guillaume_52:
(Start: 20 @49625 has 78 MA's), (44, 49532), (48, 49517), (68, 49427), (82, 49355), (99, 49295), (117, 49238), (120, 49220), (123, 49211), (131, 49169), (135, 49136), (137, 49130), (150, 49082), (161, 49043), (162, 49040), (164, 49037), (204, 48899), (208, 48890), (209, 48887), (228, 48821), (248, 48761), (249, 48758), (261, 48704), (268, 48674), (283, 48602), (284, 48599), (291, 48572), (292, 48569), (300, 48530),

Gene: Guillsminger_48 Start: 36791, Stop: 37921, Start Num: 25
Candidate Starts for Guillsminger_48:
(Start: 25 @36791 has 12 MA's), (Start: 26 @36794 has 2 MA's), (46, 36881), (47, 36887), (53, 36905), (62, 36959), (80, 37031), (97, 37103), (109, 37151), (116, 37178), (121, 37202), (133, 37274), (134, 37277), (135, 37286), (152, 37361), (186, 37457), (194, 37487), (195, 37490), (201, 37526), (236, 37649), (245, 37676), (246, 37679), (253, 37685), (257, 37706), (260, 37718), (265, 37733), (269, 37754), (275, 37778), (280, 37811), (285, 37829), (296, 37877), (299, 37886),

Gene: Hail2Pitt_51 Start: 50101, Stop: 48968, Start Num: 20
Candidate Starts for Hail2Pitt_51:
(Start: 20 @50101 has 78 MA's), (44, 50008), (48, 49993), (68, 49903), (82, 49831), (99, 49771), (117, 49714), (120, 49696), (123, 49687), (131, 49645), (135, 49612), (137, 49606), (150, 49558), (161, 49519), (162, 49516), (164, 49513), (204, 49375), (208, 49366), (209, 49363), (221, 49315), (228, 49297), (248, 49237), (249, 49234), (261, 49180), (268, 49150), (283, 49078), (284, 49075), (291, 49048), (292, 49045), (300, 49006),

Gene: Harambe_52 Start: 49892, Stop: 48759, Start Num: 20
Candidate Starts for Harambe_52:
(Start: 20 @49892 has 78 MA's), (44, 49799), (48, 49784), (68, 49694), (82, 49622), (99, 49562), (117, 49505), (120, 49487), (123, 49478), (131, 49436), (135, 49403), (137, 49397), (150, 49349), (161, 49310), (162, 49307), (164, 49304), (204, 49166), (208, 49157), (209, 49154), (228, 49088), (248, 49028), (249, 49025), (261, 48971), (268, 48941), (283, 48869), (284, 48866), (291, 48839), (292, 48836), (300, 48797),

Gene: HayZem_57 Start: 49546, Stop: 48407, Start Num: 20
Candidate Starts for HayZem_57:
(Start: 20 @49546 has 78 MA's), (44, 49453), (67, 49354), (68, 49348), (71, 49330), (76, 49309), (86, 49258), (95, 49231), (99, 49216), (117, 49159), (120, 49141), (123, 49132), (126, 49111), (132, 49075), (137, 49051), (146, 49012), (150, 49003), (171, 48943), (181, 48907), (182, 48901), (190, 48880), (199, 48844), (204, 48820), (209, 48808), (241, 48700), (244, 48691), (248, 48682), (249, 48679), (283, 48523), (300, 48451), (306, 48436),

Gene: Heftyboy_47 Start: 36966, Stop: 38096, Start Num: 25
Candidate Starts for Heftyboy_47:
(Start: 25 @36966 has 12 MA's), (Start: 26 @36969 has 2 MA's), (46, 37056), (47, 37062), (53, 37080), (62, 37134), (68, 37161), (80, 37206), (97, 37278), (109, 37326), (116, 37353), (121, 37377), (133, 37449), (134, 37452), (135, 37461), (152, 37536), (186, 37632), (194, 37662), (195, 37665), (201, 37701), (236, 37824), (245, 37851), (246, 37854), (257, 37881), (260, 37893), (265, 37908), (268, 37926), (269, 37929), (275, 37953), (280, 37986), (285, 38004), (296, 38052), (299, 38061),

Gene: Hello_52 Start: 49854, Stop: 48721, Start Num: 20
Candidate Starts for Hello_52:
(Start: 20 @49854 has 78 MA's), (44, 49761), (48, 49746), (68, 49656), (82, 49584), (99, 49524), (117, 49467), (120, 49449), (123, 49440), (131, 49398), (135, 49365), (137, 49359), (150, 49311), (161, 49272), (162, 49269), (164, 49266), (204, 49128), (208, 49119), (209, 49116), (228, 49050), (248, 48990), (249, 48987), (261, 48933), (268, 48903), (283, 48831), (284, 48828), (291, 48801), (292, 48798), (300, 48759),

Gene: Hollow_50 Start: 50037, Stop: 48925, Start Num: 20
Candidate Starts for Hollow_50:
(12, 50061), (Start: 20 @50037 has 78 MA's), (43, 49947), (48, 49929), (57, 49905), (63, 49869), (75, 49818), (78, 49803), (83, 49770), (87, 49755), (95, 49722), (99, 49707), (122, 49632), (123, 49629), (128, 49599), (135, 49554), (150, 49500), (162, 49455), (164, 49452), (170, 49440), (174, 49428), (196, 49356), (198, 49341), (208, 49305), (221, 49251), (228, 49233), (238, 49197), (248, 49173), (257, 49131), (262, 49113), (263, 49110), (277, 49047), (283, 49017), (300, 48945),

Gene: Hotorobo_55 Start: 49441, Stop: 48308, Start Num: 20
Candidate Starts for Hotorobo_55:
(Start: 20 @49441 has 78 MA's), (35, 49378), (75, 49213), (80, 49186), (99, 49111), (117, 49054), (120, 49036), (126, 49006), (131, 48985), (137, 48946), (147, 48904), (150, 48898), (162, 48856), (182, 48796), (199, 48739), (208, 48706), (209, 48703), (228, 48637), (241, 48595), (248, 48577), (261, 48520), (269, 48490), (291, 48391), (300, 48349),

Gene: HumptyDumpty_104 Start: 65933, Stop: 67048, Start Num: 28
Candidate Starts for HumptyDumpty_104:
(Start: 28 @65933 has 21 MA's), (36, 65972), (41, 65993), (52, 66032), (64, 66095), (72, 66131), (74, 66134), (77, 66149), (79, 66161), (89, 66203), (98, 66227), (103, 66257), (106, 66263), (112, 66278), (113, 66281), (121, 66311), (124, 66323), (126, 66338), (132, 66377), (133, 66383), (137, 66401), (139, 66422), (146, 66452), (151, 66458), (172, 66515), (176, 66527), (178, 66533), (183, 66563), (186, 66569), (196, 66599), (201, 66632), (211, 66680), (212, 66683), (227, 66728), (234, 66749), (251, 66800), (261, 66842), (271, 66878), (277, 66911), (282, 66938), (297, 66998), (298, 67001), (303, 67016), (306, 67022), (307, 67028),

Gene: JKerns_73 Start: 48266, Stop: 47010, Start Num: 14
Candidate Starts for JKerns_73:
(Start: 14 @48266 has 26 MA's), (Start: 26 @48230 has 2 MA's), (72, 48023), (86, 47957), (89, 47945), (100, 47891), (132, 47750), (143, 47693), (151, 47660), (157, 47639), (169, 47600), (195, 47474),

(201, 47438), (205, 47417), (216, 47375), (245, 47282), (258, 47231), (259, 47225), (264, 47210), (269, 47186), (271, 47180), (292, 47084), (305, 47036), (306, 47033), (308, 47021),

Gene: JaNo_103 Start: 65904, Stop: 67019, Start Num: 28
Candidate Starts for JaNo_103:
(Start: 28 @65904 has 21 MA's), (36, 65943), (41, 65964), (52, 66003), (64, 66066), (72, 66102), (74, 66105), (77, 66120), (79, 66132), (89, 66174), (98, 66198), (103, 66228), (106, 66234), (112, 66249), (113, 66252), (121, 66282), (124, 66294), (126, 66309), (132, 66348), (133, 66354), (137, 66372), (139, 66393), (146, 66423), (151, 66429), (172, 66486), (176, 66498), (178, 66504), (183, 66534), (186, 66540), (196, 66570), (201, 66603), (211, 66651), (212, 66654), (227, 66699), (234, 66720), (251, 66771), (261, 66813), (271, 66849), (277, 66882), (282, 66909), (297, 66969), (298, 66972), (303, 66987), (306, 66993), (307, 66999),

Gene: Jams_52 Start: 49064, Stop: 47931, Start Num: 20
Candidate Starts for Jams_52:
(Start: 20 @49064 has 78 MA's), (44, 48971), (48, 48956), (68, 48866), (82, 48794), (99, 48734), (117, 48677), (120, 48659), (123, 48650), (131, 48608), (135, 48575), (137, 48569), (150, 48521), (161, 48482), (162, 48479), (164, 48476), (182, 48419), (204, 48338), (208, 48329), (209, 48326), (221, 48278), (228, 48260), (248, 48200), (249, 48197), (261, 48143), (268, 48113), (277, 48071), (283, 48041), (284, 48038), (291, 48011), (292, 48008), (300, 47969),

Gene: Jawnski_69 Start: 46878, Stop: 45607, Start Num: 14
Candidate Starts for Jawnski_69:
(Start: 14 @46878 has 26 MA's), (Start: 26 @46839 has 2 MA's), (65, 46662), (78, 46611), (85, 46569), (86, 46566), (89, 46554), (97, 46524), (100, 46500), (129, 46383), (151, 46269), (157, 46248), (169, 46209), (199, 46053), (216, 45975), (221, 45957), (245, 45882), (264, 45810), (273, 45774), (287, 45699), (305, 45633), (306, 45630), (308, 45618),

Gene: JayCookie_106 Start: 66789, Stop: 67904, Start Num: 28
Candidate Starts for JayCookie_106:
(Start: 28 @66789 has 21 MA's), (36, 66828), (41, 66849), (52, 66888), (64, 66951), (72, 66987), (74, 66990), (77, 67005), (79, 67017), (89, 67059), (98, 67083), (103, 67113), (106, 67119), (112, 67134), (113, 67137), (121, 67167), (124, 67179), (126, 67194), (132, 67233), (133, 67239), (134, 67242), (137, 67257), (139, 67278), (146, 67308), (151, 67314), (172, 67371), (176, 67383), (178, 67389), (183, 67419), (186, 67425), (196, 67455), (201, 67488), (211, 67536), (212, 67539), (227, 67584), (234, 67605), (251, 67656), (261, 67698), (271, 67734), (277, 67767), (282, 67794), (297, 67854), (298, 67857), (303, 67872), (306, 67878), (307, 67884),

Gene: Jellybones_57 Start: 50536, Stop: 49403, Start Num: 20
Candidate Starts for Jellybones_57:
(Start: 20 @50536 has 78 MA's), (55, 50410), (75, 50308), (80, 50281), (99, 50206), (117, 50149), (120, 50131), (126, 50101), (131, 50080), (137, 50041), (147, 49999), (150, 49993), (161, 49954), (162, 49951), (182, 49891), (199, 49834), (208, 49801), (209, 49798), (228, 49732), (241, 49690), (248, 49672), (261, 49615), (269, 49585), (283, 49516), (291, 49486), (300, 49444),

Gene: John316_58 Start: 50599, Stop: 49466, Start Num: 20
Candidate Starts for John316_58:
(Start: 20 @50599 has 78 MA's), (35, 50536), (75, 50371), (80, 50344), (99, 50269), (117, 50212), (120, 50194), (126, 50164), (131, 50143), (137, 50104), (147, 50062), (150, 50056), (162, 50014), (182, 49954), (199, 49897), (208, 49864), (209, 49861), (228, 49795), (241, 49753), (248, 49735), (261, 49678), (269, 49648), (291, 49549), (300, 49507),

Gene: Jordan_74 Start: 48424, Stop: 47168, Start Num: 14

Candidate Starts for Jordan_74:
(Start: 14 @48424 has 26 MA's), (Start: 26 @48388 has 2 MA's), (72, 48181), (86, 48115), (89, 48103), (100, 48049), (132, 47908), (143, 47851), (151, 47818), (157, 47797), (169, 47758), (195, 47632), (201, 47596), (205, 47575), (216, 47533), (245, 47440), (258, 47389), (259, 47383), (264, 47368), (269, 47344), (271, 47338), (292, 47242), (305, 47194), (306, 47191), (308, 47179),

Gene: Jormungandr_52 Start: 49607, Stop: 48474, Start Num: 20
Candidate Starts for Jormungandr_52:
(Start: 20 @49607 has 78 MA's), (44, 49514), (48, 49499), (68, 49409), (82, 49337), (99, 49277), (117, 49220), (120, 49202), (123, 49193), (131, 49151), (135, 49118), (137, 49112), (150, 49064), (161, 49025), (162, 49022), (164, 49019), (204, 48881), (208, 48872), (209, 48869), (228, 48803), (248, 48743), (249, 48740), (261, 48686), (268, 48656), (283, 48584), (284, 48581), (291, 48554), (292, 48551), (300, 48512),

Gene: Jumbo_53 Start: 50756, Stop: 49626, Start Num: 21
Candidate Starts for Jumbo_53:
(11, 50801), (Start: 21 @50756 has 9 MA's), (42, 50666), (58, 50612), (86, 50477), (95, 50438), (104, 50399), (121, 50339), (150, 50198), (161, 50162), (164, 50156), (168, 50150), (174, 50132), (180, 50108), (181, 50105), (197, 50048), (223, 49949), (232, 49925), (241, 49895), (252, 49862), (273, 49784), (277, 49757),

Gene: KBurrousTX_100 Start: 67009, Stop: 68115, Start Num: 28
Candidate Starts for KBurrousTX_100:
(Start: 28 @67009 has 21 MA's), (34, 67036), (36, 67048), (41, 67069), (66, 67177), (77, 67225), (81, 67249), (95, 67297), (98, 67303), (103, 67333), (113, 67357), (121, 67387), (133, 67459), (134, 67462), (137, 67477), (138, 67495), (139, 67498), (144, 67507), (146, 67528), (154, 67543), (168, 67579), (172, 67591), (176, 67603), (186, 67645), (188, 67648), (193, 67666), (196, 67675), (201, 67708), (223, 67795), (239, 67849), (250, 67873), (251, 67876), (255, 67891), (277, 67987), (281, 68011), (282, 68014), (292, 68050), (306, 68095),

Gene: Kabreeze_104 Start: 65990, Stop: 67105, Start Num: 28
Candidate Starts for Kabreeze_104:
(Start: 28 @65990 has 21 MA's), (36, 66029), (41, 66050), (52, 66089), (64, 66152), (72, 66188), (74, 66191), (77, 66206), (79, 66218), (89, 66260), (98, 66284), (103, 66314), (106, 66320), (112, 66335), (113, 66338), (121, 66368), (124, 66380), (126, 66395), (132, 66434), (133, 66440), (137, 66458), (139, 66479), (146, 66509), (151, 66515), (172, 66572), (176, 66584), (178, 66590), (183, 66620), (186, 66626), (196, 66656), (201, 66689), (211, 66737), (212, 66740), (227, 66785), (234, 66806), (251, 66857), (261, 66899), (271, 66935), (277, 66968), (282, 66995), (297, 67055), (298, 67058), (303, 67073), (306, 67079), (307, 67085),

Gene: Kampe_54 Start: 47861, Stop: 46752, Start Num: 21
Candidate Starts for Kampe_54:
(Start: 21 @47861 has 9 MA's), (49, 47750), (84, 47588), (92, 47558), (111, 47504), (128, 47426), (131, 47408), (148, 47321), (174, 47252), (181, 47225), (209, 47126), (220, 47081), (225, 47069), (229, 47060), (242, 47015), (243, 47012), (252, 46985),

Gene: Kaseim_52 Start: 49049, Stop: 47916, Start Num: 20
Candidate Starts for Kaseim_52:
(Start: 20 @49049 has 78 MA's), (44, 48956), (48, 48941), (68, 48851), (82, 48779), (99, 48719), (117, 48662), (120, 48644), (123, 48635), (131, 48593), (135, 48560), (137, 48554), (150, 48506), (161, 48467), (162, 48464), (164, 48461), (182, 48404), (204, 48323), (208, 48314), (209, 48311), (221, 48263), (228, 48245), (248, 48185), (249, 48182), (261, 48128), (268, 48098), (277, 48056), (283, 48026), (284, 48023), (291, 47996), (292, 47993), (300, 47954),

Gene: Katyusha_50 Start: 49856, Stop: 48744, Start Num: 20
Candidate Starts for Katyusha_50:
(12, 49880), (Start: 20 @49856 has 78 MA's), (43, 49766), (48, 49748), (57, 49724), (58, 49718), (63, 49688), (75, 49637), (78, 49622), (83, 49589), (95, 49541), (99, 49526), (122, 49451), (123, 49448), (128, 49418), (135, 49373), (150, 49319), (162, 49274), (164, 49271), (170, 49259), (174, 49247), (181, 49220), (196, 49175), (198, 49160), (208, 49124), (221, 49070), (224, 49061), (228, 49052), (238, 49016), (248, 48992), (257, 48950), (262, 48932), (263, 48929), (277, 48866), (283, 48836), (300, 48764),

Gene: Kelzog_57 Start: 49448, Stop: 48315, Start Num: 20
Candidate Starts for Kelzog_57:
(Start: 20 @49448 has 78 MA's), (35, 49385), (75, 49220), (80, 49193), (99, 49118), (117, 49061), (120, 49043), (126, 49013), (131, 48992), (137, 48953), (147, 48911), (150, 48905), (162, 48863), (182, 48803), (199, 48746), (208, 48713), (209, 48710), (228, 48644), (241, 48602), (248, 48584), (261, 48527), (269, 48497), (291, 48398), (300, 48356),

Gene: King2_68 Start: 47406, Stop: 46135, Start Num: 14
Candidate Starts for King2_68:
(Start: 14 @47406 has 26 MA's), (Start: 26 @47367 has 2 MA's), (65, 47190), (72, 47160), (78, 47139), (85, 47097), (86, 47094), (97, 47052), (100, 47028), (129, 46911), (151, 46797), (157, 46776), (167, 46743), (169, 46737), (199, 46581), (210, 46533), (216, 46503), (221, 46485), (245, 46410), (264, 46338), (273, 46302), (287, 46227), (305, 46161), (306, 46158), (308, 46146),

Gene: Kvothe_49 Start: 49755, Stop: 48643, Start Num: 20
Candidate Starts for Kvothe_49:
(12, 49779), (Start: 20 @49755 has 78 MA's), (43, 49665), (48, 49647), (57, 49623), (63, 49587), (75, 49536), (78, 49521), (83, 49488), (87, 49473), (95, 49440), (99, 49425), (122, 49350), (123, 49347), (128, 49317), (135, 49272), (150, 49218), (162, 49173), (164, 49170), (170, 49158), (174, 49146), (181, 49119), (196, 49074), (198, 49059), (208, 49023), (221, 48969), (224, 48960), (228, 48951), (238, 48915), (248, 48891), (257, 48849), (262, 48831), (263, 48828), (277, 48765), (283, 48735), (300, 48663),

Gene: Lahirium_52 Start: 50129, Stop: 48996, Start Num: 20
Candidate Starts for Lahirium_52:
(Start: 20 @50129 has 78 MA's), (44, 50036), (48, 50021), (68, 49931), (82, 49859), (99, 49799), (117, 49742), (120, 49724), (123, 49715), (131, 49673), (135, 49640), (137, 49634), (150, 49586), (161, 49547), (162, 49544), (164, 49541), (204, 49403), (208, 49394), (209, 49391), (228, 49325), (248, 49265), (249, 49262), (261, 49208), (268, 49178), (283, 49106), (284, 49103), (291, 49076), (292, 49073), (300, 49034),

Gene: Larva_48 Start: 36790, Stop: 37974, Start Num: 25
Candidate Starts for Larva_48:
(Start: 25 @36790 has 12 MA's), (Start: 28 @36805 has 21 MA's), (33, 36826), (39, 36859), (48, 36889), (50, 36895), (59, 36937), (65, 36970), (70, 36994), (73, 37000), (76, 37012), (94, 37093), (101, 37126), (103, 37132), (118, 37180), (133, 37264), (134, 37267), (135, 37276), (140, 37306), (141, 37309), (170, 37408), (177, 37429), (186, 37468), (193, 37519), (194, 37522), (214, 37615), (231, 37666), (236, 37687), (245, 37714), (251, 37732), (268, 37804), (269, 37807), (277, 37843), (284, 37876), (292, 37906), (295, 37924), (297, 37933), (299, 37939),

Gene: LeeroyJ_74 Start: 47962, Stop: 46694, Start Num: 14
Candidate Starts for LeeroyJ_74:

(10, 47980), (Start: 14 @47962 has 26 MA's), (Start: 26 @47923 has 2 MA's), (51, 47818), (72, 47716), (89, 47638), (100, 47584), (126, 47482), (143, 47386), (157, 47332), (160, 47314), (169, 47293), (195, 47158), (205, 47101), (245, 46966), (258, 46915), (259, 46909), (285, 46792), (305, 46720), (306, 46717), (308, 46705),

Gene: Leston_47 Start: 36920, Stop: 38050, Start Num: 25
Candidate Starts for Leston_47:
(Start: 25 @36920 has 12 MA's), (Start: 26 @36923 has 2 MA's), (46, 37010), (47, 37016), (53, 37034), (62, 37088), (80, 37160), (97, 37232), (109, 37280), (116, 37307), (121, 37331), (133, 37403), (134, 37406), (135, 37415), (152, 37490), (186, 37586), (194, 37616), (195, 37619), (201, 37655), (236, 37778), (245, 37805), (246, 37808), (253, 37814), (257, 37835), (260, 37847), (265, 37862), (269, 37883), (275, 37907), (280, 37940), (285, 37958), (296, 38006), (299, 38015), (300, 38021),

Gene: Lidong_52 Start: 49864, Stop: 48731, Start Num: 20
Candidate Starts for Lidong_52:
(Start: 20 @49864 has 78 MA's), (44, 49771), (48, 49756), (68, 49666), (82, 49594), (99, 49534), (117, 49477), (120, 49459), (123, 49450), (131, 49408), (135, 49375), (137, 49369), (150, 49321), (161, 49282), (162, 49279), (164, 49276), (182, 49219), (204, 49138), (208, 49129), (209, 49126), (221, 49078), (228, 49060), (248, 49000), (249, 48997), (261, 48943), (268, 48913), (277, 48871), (283, 48841), (284, 48838), (291, 48811), (292, 48808), (300, 48769),

Gene: Linetti_55 Start: 50205, Stop: 49072, Start Num: 20
Candidate Starts for Linetti_55:
(Start: 20 @50205 has 78 MA's), (44, 50112), (75, 49977), (82, 49935), (99, 49875), (117, 49818), (120, 49800), (126, 49770), (131, 49749), (135, 49716), (137, 49710), (147, 49668), (150, 49662), (161, 49623), (162, 49620), (174, 49593), (199, 49503), (204, 49479), (208, 49470), (209, 49467), (228, 49401), (241, 49359), (248, 49341), (249, 49338), (260, 49287), (261, 49284), (269, 49254), (283, 49185), (291, 49155), (300, 49113), (303, 49104),

Gene: Linus_105 Start: 66438, Stop: 67553, Start Num: 28
Candidate Starts for Linus_105:
(Start: 28 @66438 has 21 MA's), (36, 66477), (41, 66498), (52, 66537), (64, 66600), (72, 66636), (74, 66639), (77, 66654), (79, 66666), (89, 66708), (98, 66732), (103, 66762), (106, 66768), (112, 66783), (113, 66786), (115, 66795), (121, 66816), (124, 66828), (126, 66843), (132, 66882), (133, 66888), (137, 66906), (139, 66927), (146, 66957), (151, 66963), (172, 67020), (176, 67032), (178, 67038), (183, 67068), (196, 67104), (201, 67137), (211, 67185), (212, 67188), (227, 67233), (234, 67254), (251, 67305), (261, 67347), (271, 67383), (277, 67416), (282, 67443), (297, 67503), (298, 67506), (303, 67521), (306, 67527), (307, 67533),

Gene: Lizzo_55 Start: 49430, Stop: 48297, Start Num: 20
Candidate Starts for Lizzo_55:
(Start: 20 @49430 has 78 MA's), (75, 49202), (80, 49175), (99, 49100), (117, 49043), (120, 49025), (126, 48995), (131, 48974), (137, 48935), (147, 48893), (150, 48887), (162, 48845), (182, 48785), (199, 48728), (208, 48695), (209, 48692), (228, 48626), (241, 48584), (248, 48566), (261, 48509), (269, 48479), (291, 48380), (300, 48338),

Gene: Luker_53 Start: 50082, Stop: 48949, Start Num: 20
Candidate Starts for Luker_53:
(Start: 20 @50082 has 78 MA's), (44, 49989), (48, 49974), (68, 49884), (82, 49812), (99, 49752), (117, 49695), (120, 49677), (123, 49668), (131, 49626), (135, 49593), (137, 49587), (150, 49539), (161, 49500), (162, 49497), (164, 49494), (204, 49356), (208, 49347), (209, 49344), (221, 49296), (228, 49278), (248, 49218), (249, 49215), (261, 49161), (268, 49131), (277, 49089), (283, 49059), (284, 49056), (291, 49029), (292, 49026), (300, 48987),

Gene: Lymara_103 Start: 65180, Stop: 66295, Start Num: 28
Candidate Starts for Lymara_103:
(Start: 28 @65180 has 21 MA's), (36, 65219), (41, 65240), (52, 65279), (56, 65300), (64, 65342), (72, 65378), (77, 65396), (79, 65408), (98, 65474), (103, 65504), (106, 65510), (112, 65525), (113, 65528), (121, 65558), (124, 65570), (126, 65585), (132, 65624), (134, 65633), (139, 65669), (146, 65699), (172, 65762), (173, 65765), (176, 65774), (178, 65780), (183, 65810), (201, 65879), (205, 65900), (211, 65927), (212, 65930), (218, 65954), (227, 65975), (234, 65996), (261, 66089), (271, 66125), (277, 66158), (282, 66185), (289, 66212), (303, 66263), (306, 66269), (307, 66275),

Gene: Martha_73 Start: 48219, Stop: 46954, Start Num: 14
Candidate Starts for Martha_73:
(Start: 14 @48219 has 26 MA's), (Start: 26 @48183 has 2 MA's), (72, 47976), (86, 47910), (89, 47898), (100, 47844), (143, 47646), (151, 47613), (157, 47592), (169, 47553), (195, 47418), (199, 47397), (201, 47382), (205, 47361), (216, 47319), (245, 47226), (258, 47175), (259, 47169), (264, 47154), (271, 47124), (305, 46980), (306, 46977), (308, 46965),

Gene: Mbo2_44 Start: 38967, Stop: 37825, Start Num: 21
Candidate Starts for Mbo2_44:
(Start: 21 @38967 has 9 MA's), (65, 38769), (71, 38739), (75, 38727), (82, 38685), (102, 38613), (110, 38592), (122, 38544), (128, 38511), (133, 38481), (135, 38469), (144, 38445), (145, 38427), (148, 38418), (150, 38415), (164, 38376), (170, 38364), (174, 38352), (179, 38331), (182, 38319), (199, 38262), (207, 38232), (213, 38202), (218, 38184), (224, 38169), (231, 38151), (241, 38118), (249, 38097), (254, 38073), (260, 38046), (271, 38007), (303, 37866),

Gene: Minos_53 Start: 49606, Stop: 48473, Start Num: 20
Candidate Starts for Minos_53:
(Start: 20 @49606 has 78 MA's), (44, 49513), (48, 49498), (68, 49408), (82, 49336), (99, 49276), (117, 49219), (120, 49201), (123, 49192), (131, 49150), (135, 49117), (137, 49111), (150, 49063), (161, 49024), (162, 49021), (164, 49018), (182, 48961), (204, 48880), (208, 48871), (209, 48868), (221, 48820), (228, 48802), (248, 48742), (249, 48739), (261, 48685), (268, 48655), (277, 48613), (283, 48583), (284, 48580), (291, 48553), (292, 48550), (300, 48511),

Gene: Miryou_50 Start: 39122, Stop: 40252, Start Num: 25
Candidate Starts for Miryou_50:
(Start: 25 @39122 has 12 MA's), (Start: 26 @39125 has 2 MA's), (46, 39212), (47, 39218), (53, 39236), (62, 39290), (80, 39362), (97, 39434), (109, 39482), (116, 39509), (121, 39533), (133, 39605), (134, 39608), (135, 39617), (152, 39692), (186, 39788), (194, 39818), (195, 39821), (201, 39857), (236, 39980), (245, 40007), (246, 40010), (253, 40016), (257, 40037), (260, 40049), (265, 40064), (269, 40085), (275, 40109), (280, 40142), (285, 40160), (296, 40208), (299, 40217), (300, 40223),

Gene: Monty_54 Start: 48580, Stop: 47447, Start Num: 20
Candidate Starts for Monty_54:
(Start: 20 @48580 has 78 MA's), (35, 48517), (75, 48352), (80, 48325), (99, 48250), (117, 48193), (120, 48175), (126, 48145), (131, 48124), (137, 48085), (147, 48043), (150, 48037), (162, 47995), (182, 47935), (199, 47878), (208, 47845), (209, 47842), (228, 47776), (241, 47734), (248, 47716), (261, 47659), (269, 47629), (291, 47530), (300, 47488),

Gene: Mordred_104 Start: 66029, Stop: 67144, Start Num: 28
Candidate Starts for Mordred_104:
(Start: 28 @66029 has 21 MA's), (36, 66068), (41, 66089), (52, 66128), (64, 66191), (72, 66227), (74, 66230), (77, 66245), (79, 66257), (89, 66299), (98, 66323), (103, 66353), (106, 66359), (112, 66374), (113, 66377), (121, 66407), (124, 66419), (126, 66434), (132, 66473), (133, 66479), (137, 66497),

(139, 66518), (146, 66548), (151, 66554), (172, 66611), (176, 66623), (178, 66629), (183, 66659), (186, 66665), (196, 66695), (201, 66728), (211, 66776), (212, 66779), (227, 66824), (234, 66845), (251, 66896), (261, 66938), (271, 66974), (277, 67007), (282, 67034), (297, 67094), (298, 67097), (303, 67112), (306, 67118), (307, 67124),

Gene: MoyaNatalis_105 Start: 66235, Stop: 67350, Start Num: 28
Candidate Starts for MoyaNatalis_105:
(Start: 28 @66235 has 21 MA's), (36, 66274), (41, 66295), (52, 66334), (64, 66397), (72, 66433), (74, 66436), (77, 66451), (79, 66463), (89, 66505), (98, 66529), (103, 66559), (106, 66565), (112, 66580), (113, 66583), (121, 66613), (124, 66625), (126, 66640), (132, 66679), (133, 66685), (134, 66688), (137, 66703), (139, 66724), (146, 66754), (151, 66760), (172, 66817), (176, 66829), (178, 66835), (183, 66865), (186, 66871), (196, 66901), (201, 66934), (211, 66982), (212, 66985), (227, 67030), (234, 67051), (251, 67102), (261, 67144), (271, 67180), (277, 67213), (282, 67240), (297, 67300), (298, 67303), (303, 67318), (306, 67324), (307, 67330),

Gene: MrWormie_52 Start: 48767, Stop: 47634, Start Num: 20
Candidate Starts for MrWormie_52:
(Start: 20 @48767 has 78 MA's), (44, 48674), (48, 48659), (68, 48569), (82, 48497), (99, 48437), (117, 48380), (120, 48362), (123, 48353), (131, 48311), (135, 48278), (137, 48272), (150, 48224), (161, 48185), (162, 48182), (164, 48179), (182, 48122), (204, 48041), (208, 48032), (209, 48029), (221, 47981), (228, 47963), (248, 47903), (249, 47900), (261, 47846), (268, 47816), (277, 47774), (283, 47744), (284, 47741), (291, 47714), (292, 47711), (300, 47672),

Gene: Msay19_59 Start: 50950, Stop: 49817, Start Num: 20
Candidate Starts for Msay19_59:
(Start: 20 @50950 has 78 MA's), (55, 50824), (75, 50722), (80, 50695), (99, 50620), (117, 50563), (120, 50545), (126, 50515), (137, 50455), (147, 50413), (150, 50407), (162, 50365), (182, 50305), (199, 50248), (208, 50215), (209, 50212), (228, 50146), (241, 50104), (248, 50086), (261, 50029), (269, 49999), (283, 49930), (291, 49900), (300, 49858),

Gene: NathanVaag_69 Start: 47108, Stop: 45837, Start Num: 14
Candidate Starts for NathanVaag_69:
(Start: 14 @47108 has 26 MA's), (Start: 26 @47069 has 2 MA's), (30, 47048), (65, 46892), (72, 46862), (78, 46841), (86, 46796), (89, 46784), (97, 46754), (100, 46730), (129, 46613), (151, 46499), (157, 46478), (167, 46445), (169, 46439), (187, 46352), (216, 46205), (245, 46112), (264, 46040), (273, 46004), (305, 45863), (306, 45860), (308, 45848),

Gene: Neighly_49 Start: 36789, Stop: 37973, Start Num: 25
Candidate Starts for Neighly_49:
(Start: 25 @36789 has 12 MA's), (Start: 28 @36804 has 21 MA's), (33, 36825), (39, 36858), (48, 36888), (50, 36894), (59, 36936), (65, 36969), (70, 36993), (73, 36999), (76, 37011), (94, 37092), (101, 37125), (103, 37131), (118, 37179), (133, 37263), (134, 37266), (135, 37275), (140, 37305), (141, 37308), (170, 37407), (177, 37428), (186, 37467), (193, 37518), (194, 37521), (214, 37614), (231, 37665), (236, 37686), (245, 37713), (251, 37731), (268, 37803), (269, 37806), (277, 37842), (284, 37875), (292, 37905), (295, 37923), (297, 37932), (299, 37938),

Gene: Neoevie_52 Start: 49868, Stop: 48735, Start Num: 20
Candidate Starts for Neoevie_52:
(Start: 20 @49868 has 78 MA's), (44, 49775), (48, 49760), (68, 49670), (82, 49598), (99, 49538), (117, 49481), (120, 49463), (123, 49454), (131, 49412), (135, 49379), (137, 49373), (150, 49325), (161, 49286), (162, 49283), (164, 49280), (204, 49142), (208, 49133), (209, 49130), (221, 49082), (228, 49064), (248, 49004), (249, 49001), (261, 48947), (268, 48917), (277, 48875), (283, 48845), (284, 48842), (291, 48815), (292, 48812), (300, 48773),

Gene: Newt_53 Start: 50096, Stop: 48963, Start Num: 20
Candidate Starts for Newt_53:
(Start: 20 @50096 has 78 MA's), (44, 50003), (48, 49988), (68, 49898), (82, 49826), (99, 49766), (117, 49709), (120, 49691), (123, 49682), (131, 49640), (135, 49607), (137, 49601), (150, 49553), (161, 49514), (162, 49511), (164, 49508), (204, 49370), (208, 49361), (209, 49358), (221, 49310), (228, 49292), (248, 49232), (249, 49229), (261, 49175), (268, 49145), (277, 49103), (283, 49073), (284, 49070), (291, 49043), (292, 49040), (300, 49001),

Gene: Niagara_50 Start: 49846, Stop: 48734, Start Num: 20
Candidate Starts for Niagara_50:
(Start: 20 @49846 has 78 MA's), (43, 49756), (48, 49738), (57, 49714), (58, 49708), (63, 49678), (75, 49627), (78, 49612), (83, 49579), (87, 49564), (95, 49531), (99, 49516), (122, 49441), (123, 49438), (128, 49408), (135, 49363), (150, 49309), (162, 49264), (164, 49261), (170, 49249), (174, 49237), (181, 49210), (196, 49165), (198, 49150), (208, 49114), (221, 49060), (224, 49051), (228, 49042), (238, 49006), (248, 48982), (257, 48940), (262, 48922), (263, 48919), (277, 48856), (283, 48826), (300, 48754),

Gene: Nimi13_52 Start: 49615, Stop: 48482, Start Num: 20
Candidate Starts for Nimi13_52:
(Start: 20 @49615 has 78 MA's), (44, 49522), (48, 49507), (68, 49417), (82, 49345), (99, 49285), (117, 49228), (120, 49210), (123, 49201), (131, 49159), (135, 49126), (137, 49120), (150, 49072), (161, 49033), (162, 49030), (164, 49027), (204, 48889), (208, 48880), (209, 48877), (228, 48811), (248, 48751), (249, 48748), (261, 48694), (268, 48664), (283, 48592), (284, 48589), (291, 48562), (292, 48559), (300, 48520),

Gene: Nostromo_68 Start: 44873, Stop: 43611, Start Num: 13
Candidate Starts for Nostromo_68:
(Start: 13 @44873 has 1 MA's), (29, 44810), (32, 44795), (40, 44756), (47, 44735), (62, 44660), (75, 44606), (82, 44564), (107, 44462), (114, 44438), (119, 44411), (125, 44390), (132, 44339), (133, 44333), (147, 44261), (162, 44213), (165, 44207), (166, 44204), (175, 44177), (184, 44138), (193, 44096), (216, 43991), (227, 43958), (236, 43922), (240, 43910), (258, 43844), (268, 43802), (278, 43751), (283, 43727), (301, 43649), (306, 43634), (308, 43622),

Gene: OkiRoe_47 Start: 36793, Stop: 37923, Start Num: 25
Candidate Starts for OkiRoe_47:
(Start: 25 @36793 has 12 MA's), (Start: 26 @36796 has 2 MA's), (46, 36883), (47, 36889), (53, 36907), (62, 36961), (80, 37033), (97, 37105), (109, 37153), (116, 37180), (121, 37204), (133, 37276), (134, 37279), (135, 37288), (152, 37363), (186, 37459), (194, 37489), (195, 37492), (201, 37528), (236, 37651), (245, 37678), (246, 37681), (253, 37687), (257, 37708), (260, 37720), (265, 37735), (269, 37756), (275, 37780), (280, 37813), (285, 37831), (296, 37879), (299, 37888), (300, 37894),

Gene: Omnicron_50 Start: 36355, Stop: 37521, Start Num: 25
Candidate Starts for Omnicron_50:
(Start: 25 @36355 has 12 MA's), (50, 36457), (59, 36499), (65, 36532), (76, 36574), (94, 36655), (101, 36688), (113, 36718), (133, 36826), (135, 36838), (141, 36871), (149, 36907), (170, 36952), (177, 36973), (193, 37066), (194, 37069), (199, 37093), (200, 37105), (214, 37162), (231, 37213), (236, 37234), (245, 37261), (251, 37279), (268, 37351), (269, 37354), (275, 37378), (277, 37390), (284, 37423), (292, 37453), (295, 37471), (297, 37480), (299, 37486),

Gene: Orchid_53 Start: 47862, Stop: 46753, Start Num: 21
Candidate Starts for Orchid_53:

(Start: 21 @47862 has 9 MA's), (49, 47751), (84, 47589), (92, 47559), (111, 47505), (128, 47427), (131, 47409), (148, 47322), (174, 47253), (181, 47226), (209, 47127), (220, 47082), (225, 47070), (229, 47061), (242, 47016), (243, 47013), (252, 46986),

Gene: P3MA_48 Start: 33683, Stop: 34831, Start Num: 28
Candidate Starts for P3MA_48:
(Start: 28 @33683 has 21 MA's), (31, 33695), (51, 33779), (52, 33782), (58, 33812), (67, 33860), (75, 33890), (93, 33971), (103, 34013), (115, 34046), (130, 34121), (139, 34187), (146, 34217), (185, 34340), (191, 34355), (199, 34388), (205, 34421), (209, 34430), (217, 34466), (226, 34490), (266, 34619), (278, 34682), (283, 34706), (291, 34733),

Gene: Paola_47 Start: 36791, Stop: 37921, Start Num: 25
Candidate Starts for Paola_47:
(Start: 25 @36791 has 12 MA's), (Start: 26 @36794 has 2 MA's), (46, 36881), (47, 36887), (53, 36905), (62, 36959), (80, 37031), (97, 37103), (109, 37151), (116, 37178), (121, 37202), (133, 37274), (134, 37277), (135, 37286), (152, 37361), (186, 37457), (194, 37487), (195, 37490), (201, 37526), (236, 37649), (245, 37676), (246, 37679), (253, 37685), (257, 37706), (260, 37718), (265, 37733), (269, 37754), (275, 37778), (280, 37811), (285, 37829), (296, 37877), (299, 37886),

Gene: PatrickStar_54 Start: 47861, Stop: 46752, Start Num: 21
Candidate Starts for PatrickStar_54:
(Start: 21 @47861 has 9 MA's), (49, 47750), (84, 47588), (92, 47558), (111, 47504), (128, 47426), (131, 47408), (148, 47321), (174, 47252), (181, 47225), (209, 47126), (220, 47081), (225, 47069), (229, 47060), (242, 47015), (243, 47012), (252, 46985),

Gene: Philon9_51 Start: 50722, Stop: 49610, Start Num: 20
Candidate Starts for Philon9_51:
(Start: 20 @50722 has 78 MA's), (35, 50659), (75, 50503), (78, 50488), (91, 50422), (93, 50413), (95, 50407), (99, 50392), (106, 50374), (122, 50317), (123, 50314), (128, 50284), (135, 50239), (137, 50233), (150, 50185), (162, 50140), (168, 50131), (174, 50113), (196, 50041), (202, 50005), (208, 49990), (213, 49963), (224, 49927), (235, 49888), (238, 49882), (248, 49858), (252, 49843), (257, 49816), (283, 49702), (290, 49675), (300, 49630),

Gene: Piccoletto_70 Start: 47270, Stop: 45999, Start Num: 14
Candidate Starts for Piccoletto_70:
(Start: 14 @47270 has 26 MA's), (Start: 26 @47231 has 2 MA's), (30, 47210), (65, 47054), (72, 47024), (78, 47003), (86, 46958), (89, 46946), (97, 46916), (100, 46892), (129, 46775), (132, 46751), (151, 46661), (157, 46640), (169, 46601), (187, 46514), (216, 46367), (245, 46274), (264, 46202), (273, 46166), (305, 46025), (306, 46022), (308, 46010),

Gene: PierreThree_54 Start: 49851, Stop: 48718, Start Num: 20
Candidate Starts for PierreThree_54:
(Start: 20 @49851 has 78 MA's), (44, 49758), (75, 49623), (82, 49581), (99, 49521), (117, 49464), (120, 49446), (126, 49416), (131, 49395), (135, 49362), (137, 49356), (147, 49314), (150, 49308), (161, 49269), (162, 49266), (174, 49239), (199, 49149), (204, 49125), (208, 49116), (209, 49113), (228, 49047), (241, 49005), (248, 48987), (249, 48984), (260, 48933), (261, 48930), (269, 48900), (283, 48831), (291, 48801), (300, 48759), (303, 48750),

Gene: Pippa_74 Start: 48274, Stop: 47006, Start Num: 14
Candidate Starts for Pippa_74:
(Start: 14 @48274 has 26 MA's), (Start: 26 @48238 has 2 MA's), (38, 48175), (72, 48031), (86, 47965), (89, 47953), (100, 47899), (129, 47782), (143, 47701), (151, 47668), (157, 47647), (169, 47608), (195, 47473), (205, 47416), (216, 47374), (245, 47281), (258, 47230), (259, 47224), (264, 47209), (271,

47179), (305, 47035), (306, 47032),

Gene: PokyPuppy_54 Start: 49888, Stop: 48755, Start Num: 20
Candidate Starts for PokyPuppy_54:
(Start: 20 @49888 has 78 MA's), (35, 49825), (44, 49795), (57, 49750), (75, 49660), (80, 49633), (99, 49558), (117, 49501), (120, 49483), (126, 49453), (131, 49432), (137, 49393), (147, 49351), (150, 49345), (161, 49306), (162, 49303), (189, 49225), (204, 49162), (208, 49153), (209, 49150), (228, 49084), (241, 49042), (248, 49024), (249, 49021), (261, 48967), (269, 48937), (272, 48928), (283, 48868), (291, 48838), (300, 48796), (306, 48781),

Gene: Poland_59 Start: 50929, Stop: 49796, Start Num: 20
Candidate Starts for Poland_59:
(Start: 20 @50929 has 78 MA's), (44, 50836), (55, 50803), (75, 50701), (80, 50674), (99, 50599), (117, 50542), (120, 50524), (126, 50494), (137, 50434), (147, 50392), (150, 50386), (162, 50344), (182, 50284), (199, 50227), (208, 50194), (209, 50191), (228, 50125), (241, 50083), (248, 50065), (261, 50008), (269, 49978), (283, 49909), (291, 49879), (300, 49837),

Gene: PrincessTrina_105 Start: 66220, Stop: 67335, Start Num: 28
Candidate Starts for PrincessTrina_105:
(Start: 28 @66220 has 21 MA's), (36, 66259), (41, 66280), (52, 66319), (64, 66382), (72, 66418), (74, 66421), (77, 66436), (79, 66448), (89, 66490), (98, 66514), (103, 66544), (106, 66550), (112, 66565), (113, 66568), (121, 66598), (124, 66610), (126, 66625), (132, 66664), (133, 66670), (137, 66688), (139, 66709), (146, 66739), (151, 66745), (172, 66802), (176, 66814), (178, 66820), (183, 66850), (186, 66856), (196, 66886), (201, 66919), (211, 66967), (212, 66970), (227, 67015), (234, 67036), (251, 67087), (261, 67129), (271, 67165), (277, 67198), (282, 67225), (297, 67285), (298, 67288), (303, 67303), (306, 67309), (307, 67315),

Gene: RemRem_56 Start: 48570, Stop: 47437, Start Num: 20
Candidate Starts for RemRem_56:
(Start: 20 @48570 has 78 MA's), (75, 48342), (80, 48315), (99, 48240), (117, 48183), (120, 48165), (126, 48135), (131, 48114), (137, 48075), (147, 48033), (150, 48027), (162, 47985), (182, 47925), (199, 47868), (208, 47835), (209, 47832), (228, 47766), (241, 47724), (248, 47706), (261, 47649), (269, 47619), (291, 47520), (300, 47478),

Gene: Reynauld_52 Start: 47820, Stop: 46675, Start Num: 21
Candidate Starts for Reynauld_52:
(Start: 21 @47820 has 9 MA's), (24, 47808), (27, 47796), (48, 47706), (60, 47640), (68, 47607), (82, 47538), (86, 47520), (88, 47514), (104, 47460), (105, 47457), (111, 47442), (125, 47385), (132, 47340), (144, 47298), (148, 47271), (150, 47268), (164, 47229), (170, 47217), (174, 47205), (182, 47172), (199, 47115), (209, 47079), (213, 47055), (218, 47037), (228, 47013), (230, 47010), (237, 46980), (238, 46977), (241, 46968), (242, 46965), (249, 46947), (252, 46935), (267, 46875), (269, 46863), (279, 46815), (303, 46704),

Gene: RobinSparkles_57 Start: 48414, Stop: 47305, Start Num: 21
Candidate Starts for RobinSparkles_57:
(Start: 21 @48414 has 9 MA's), (49, 48303), (84, 48141), (92, 48111), (111, 48057), (128, 47979), (131, 47961), (148, 47874), (174, 47805), (181, 47778), (209, 47679), (220, 47634), (225, 47622), (229, 47613), (242, 47568), (243, 47565), (252, 47538),

Gene: RosiePosie_105 Start: 66351, Stop: 67466, Start Num: 28
Candidate Starts for RosiePosie_105:
(Start: 28 @66351 has 21 MA's), (36, 66390), (41, 66411), (52, 66450), (64, 66513), (72, 66549), (74, 66552), (77, 66567), (79, 66579), (89, 66621), (98, 66645), (103, 66675), (106, 66681), (112, 66696),

(113, 66699), (121, 66729), (124, 66741), (126, 66756), (132, 66795), (133, 66801), (134, 66804), (137, 66819), (139, 66840), (146, 66870), (151, 66876), (172, 66933), (176, 66945), (178, 66951), (183, 66981), (186, 66987), (196, 67017), (201, 67050), (211, 67098), (212, 67101), (227, 67146), (234, 67167), (251, 67218), (261, 67260), (271, 67296), (277, 67329), (282, 67356), (297, 67416), (298, 67419), (303, 67434), (306, 67440), (307, 67446),

Gene: RoyalG_54 Start: 49145, Stop: 48012, Start Num: 20
Candidate Starts for RoyalG_54:
(Start: 20 @49145 has 78 MA's), (67, 48953), (75, 48917), (80, 48890), (82, 48875), (99, 48815), (117, 48758), (120, 48740), (126, 48710), (137, 48650), (147, 48608), (150, 48602), (161, 48563), (162, 48560), (181, 48506), (199, 48443), (208, 48410), (209, 48407), (228, 48341), (241, 48299), (248, 48281), (249, 48278), (261, 48224), (264, 48215), (269, 48194), (283, 48125), (291, 48095), (300, 48053), (306, 48038),

Gene: Sam12_54 Start: 48570, Stop: 47437, Start Num: 20
Candidate Starts for Sam12_54:
(Start: 20 @48570 has 78 MA's), (35, 48507), (75, 48342), (80, 48315), (99, 48240), (117, 48183), (120, 48165), (126, 48135), (131, 48114), (137, 48075), (147, 48033), (150, 48027), (162, 47985), (182, 47925), (199, 47868), (208, 47835), (209, 47832), (228, 47766), (241, 47724), (248, 47706), (261, 47649), (269, 47619), (291, 47520), (300, 47478),

Gene: Scavito_105 Start: 66078, Stop: 67193, Start Num: 28
Candidate Starts for Scavito_105:
(Start: 28 @66078 has 21 MA's), (36, 66117), (41, 66138), (52, 66177), (64, 66240), (72, 66276), (74, 66279), (77, 66294), (79, 66306), (89, 66348), (98, 66372), (103, 66402), (106, 66408), (112, 66423), (113, 66426), (121, 66456), (124, 66468), (126, 66483), (132, 66522), (133, 66528), (137, 66546), (139, 66567), (146, 66597), (151, 66603), (172, 66660), (176, 66672), (178, 66678), (183, 66708), (186, 66714), (196, 66744), (201, 66777), (211, 66825), (212, 66828), (227, 66873), (234, 66894), (251, 66945), (261, 66987), (271, 67023), (277, 67056), (282, 67083), (297, 67143), (298, 67146), (303, 67161), (306, 67167), (307, 67173),

Gene: Shade_73 Start: 48030, Stop: 46774, Start Num: 14
Candidate Starts for Shade_73:
(Start: 14 @48030 has 26 MA's), (Start: 26 @47994 has 2 MA's), (72, 47787), (86, 47721), (100, 47655), (132, 47514), (143, 47457), (151, 47424), (157, 47403), (169, 47364), (195, 47238), (201, 47202), (205, 47181), (216, 47139), (245, 47046), (258, 46995), (259, 46989), (264, 46974), (271, 46944), (292, 46848), (305, 46800), (306, 46797), (308, 46785),

Gene: Shelley_52 Start: 49091, Stop: 47958, Start Num: 20
Candidate Starts for Shelley_52:
(Start: 20 @49091 has 78 MA's), (44, 48998), (48, 48983), (68, 48893), (82, 48821), (99, 48761), (117, 48704), (120, 48686), (123, 48677), (131, 48635), (135, 48602), (137, 48596), (150, 48548), (161, 48509), (162, 48506), (164, 48503), (182, 48446), (204, 48365), (208, 48356), (209, 48353), (221, 48305), (228, 48287), (248, 48227), (249, 48224), (261, 48170), (268, 48140), (277, 48098), (283, 48068), (284, 48065), (291, 48038), (292, 48035), (300, 47996),

Gene: Sicarius2_75 Start: 46185, Stop: 44965, Start Num: 14
Candidate Starts for Sicarius2_75:
(1, 46404), (2, 46338), (Start: 14 @46185 has 26 MA's), (16, 46179), (Start: 26 @46143 has 2 MA's), (72, 45936), (89, 45858), (90, 45855), (140, 45615), (151, 45573), (156, 45555), (182, 45465), (195, 45429), (248, 45231), (259, 45180), (273, 45129), (281, 45078), (286, 45057), (292, 45042), (306, 44988), (307, 44982), (308, 44976),

Gene: SoSeph_47 Start: 36966, Stop: 38096, Start Num: 25
Candidate Starts for SoSeph_47:
(Start: 25 @36966 has 12 MA's), (Start: 26 @36969 has 2 MA's), (46, 37056), (47, 37062), (53, 37080), (62, 37134), (68, 37161), (80, 37206), (97, 37278), (109, 37326), (116, 37353), (121, 37377), (133, 37449), (134, 37452), (135, 37461), (152, 37536), (186, 37632), (194, 37662), (195, 37665), (201, 37701), (236, 37824), (245, 37851), (246, 37854), (257, 37881), (260, 37893), (265, 37908), (268, 37926), (269, 37929), (275, 37953), (280, 37986), (285, 38004), (296, 38052), (299, 38061),

Gene: Sombrero_55 Start: 48937, Stop: 47804, Start Num: 20
Candidate Starts for Sombrero_55:
(Start: 20 @48937 has 78 MA's), (55, 48811), (75, 48709), (80, 48682), (99, 48607), (117, 48550), (120, 48532), (126, 48502), (131, 48481), (137, 48442), (147, 48400), (150, 48394), (161, 48355), (162, 48352), (182, 48292), (208, 48202), (209, 48199), (228, 48133), (241, 48091), (248, 48073), (261, 48016), (269, 47986), (291, 47887), (300, 47845),

Gene: Sonny_73 Start: 47985, Stop: 46729, Start Num: 14
Candidate Starts for Sonny_73:
(Start: 14 @47985 has 26 MA's), (Start: 26 @47949 has 2 MA's), (72, 47742), (86, 47676), (89, 47664), (100, 47610), (132, 47469), (143, 47412), (151, 47379), (157, 47358), (169, 47319), (195, 47193), (201, 47157), (205, 47136), (216, 47094), (245, 47001), (258, 46950), (259, 46944), (264, 46929), (269, 46905), (271, 46899), (292, 46803), (305, 46755), (306, 46752), (308, 46740),

Gene: Squibbles_54 Start: 49433, Stop: 48300, Start Num: 20
Candidate Starts for Squibbles_54:
(Start: 20 @49433 has 78 MA's), (35, 49370), (75, 49205), (80, 49178), (99, 49103), (117, 49046), (120, 49028), (126, 48998), (131, 48977), (137, 48938), (147, 48896), (150, 48890), (162, 48848), (182, 48788), (199, 48731), (208, 48698), (209, 48695), (228, 48629), (241, 48587), (248, 48569), (261, 48512), (269, 48482), (291, 48383), (300, 48341),

Gene: Srilaccoli3_50 Start: 46623, Stop: 45478, Start Num: 21
Candidate Starts for Srilaccoli3_50:
(Start: 21 @46623 has 9 MA's), (24, 46611), (27, 46599), (48, 46509), (60, 46443), (68, 46410), (82, 46341), (86, 46323), (88, 46317), (105, 46260), (111, 46245), (125, 46188), (132, 46143), (144, 46101), (148, 46074), (150, 46071), (164, 46032), (170, 46020), (174, 46008), (182, 45975), (199, 45918), (209, 45882), (218, 45840), (228, 45816), (230, 45813), (237, 45783), (241, 45771), (242, 45768), (249, 45750), (252, 45738), (267, 45678), (269, 45666), (279, 45618), (292, 45564), (303, 45507),

Gene: SteveFrench_53 Start: 49385, Stop: 48252, Start Num: 20
Candidate Starts for SteveFrench_53:
(Start: 20 @49385 has 78 MA's), (67, 49193), (75, 49157), (80, 49130), (82, 49115), (99, 49055), (117, 48998), (120, 48980), (126, 48950), (137, 48890), (147, 48848), (150, 48842), (161, 48803), (162, 48800), (181, 48746), (199, 48683), (208, 48650), (209, 48647), (228, 48581), (241, 48539), (248, 48521), (249, 48518), (261, 48464), (264, 48455), (269, 48434), (283, 48365), (291, 48335), (300, 48293), (306, 48278),

Gene: StevieBAY_74 Start: 48255, Stop: 46987, Start Num: 14
Candidate Starts for StevieBAY_74:
(10, 48273), (Start: 14 @48255 has 26 MA's), (Start: 26 @48216 has 2 MA's), (51, 48111), (72, 48009), (89, 47931), (100, 47877), (125, 47787), (126, 47775), (143, 47679), (157, 47625), (160, 47607), (169, 47586), (195, 47451), (205, 47394), (216, 47352), (245, 47259), (258, 47208), (259, 47202), (285, 47085), (305, 47013), (306, 47010), (308, 46998),

Gene: Sticker17_52 Start: 49606, Stop: 48473, Start Num: 20
Candidate Starts for Sticker17_52:
(Start: 20 @49606 has 78 MA's), (44, 49513), (48, 49498), (68, 49408), (82, 49336), (99, 49276), (117, 49219), (120, 49201), (123, 49192), (131, 49150), (135, 49117), (137, 49111), (150, 49063), (161, 49024), (162, 49021), (164, 49018), (182, 48961), (204, 48880), (208, 48871), (209, 48868), (221, 48820), (228, 48802), (248, 48742), (249, 48739), (261, 48685), (268, 48655), (277, 48613), (283, 48583), (284, 48580), (291, 48553), (292, 48550), (300, 48511),

Gene: TaeYoung_74 Start: 48191, Stop: 46926, Start Num: 14
Candidate Starts for TaeYoung_74:
(Start: 14 @48191 has 26 MA's), (Start: 26 @48155 has 2 MA's), (72, 47948), (86, 47882), (89, 47870), (100, 47816), (143, 47618), (151, 47585), (157, 47564), (169, 47525), (195, 47390), (199, 47369), (201, 47354), (205, 47333), (216, 47291), (245, 47198), (258, 47147), (259, 47141), (264, 47126), (271, 47096), (305, 46952), (306, 46949), (308, 46937),

Gene: Teal_52 Start: 50073, Stop: 48940, Start Num: 20
Candidate Starts for Teal_52:
(Start: 20 @50073 has 78 MA's), (44, 49980), (48, 49965), (68, 49875), (82, 49803), (99, 49743), (117, 49686), (120, 49668), (123, 49659), (131, 49617), (135, 49584), (137, 49578), (150, 49530), (161, 49491), (162, 49488), (164, 49485), (204, 49347), (208, 49338), (209, 49335), (221, 49287), (228, 49269), (248, 49209), (249, 49206), (261, 49152), (268, 49122), (277, 49080), (283, 49050), (284, 49047), (291, 49020), (292, 49017), (300, 48978),

Gene: Teatealatte_51 Start: 49758, Stop: 48646, Start Num: 20
Candidate Starts for Teatealatte_51:
(Start: 20 @49758 has 78 MA's), (43, 49668), (48, 49650), (57, 49626), (58, 49620), (63, 49590), (75, 49539), (78, 49524), (83, 49491), (87, 49476), (95, 49443), (99, 49428), (122, 49353), (123, 49350), (128, 49320), (135, 49275), (150, 49221), (162, 49176), (164, 49173), (170, 49161), (174, 49149), (181, 49122), (196, 49077), (198, 49062), (208, 49026), (221, 48972), (224, 48963), (228, 48954), (238, 48918), (241, 48912), (248, 48894), (257, 48852), (262, 48834), (263, 48831), (277, 48768), (283, 48738), (300, 48666),

Gene: Teech_51 Start: 49559, Stop: 48447, Start Num: 20
Candidate Starts for Teech_51:
(12, 49583), (Start: 20 @49559 has 78 MA's), (43, 49469), (48, 49451), (57, 49427), (63, 49391), (75, 49340), (78, 49325), (83, 49292), (87, 49277), (95, 49244), (99, 49229), (122, 49154), (123, 49151), (128, 49121), (135, 49076), (150, 49022), (162, 48977), (164, 48974), (170, 48962), (174, 48950), (181, 48923), (196, 48878), (198, 48863), (208, 48827), (221, 48773), (224, 48764), (228, 48755), (238, 48719), (241, 48713), (248, 48695), (257, 48653), (262, 48635), (263, 48632), (277, 48569), (283, 48539), (300, 48467),

Gene: Thyatira_50 Start: 39131, Stop: 40258, Start Num: 26
Candidate Starts for Thyatira_50:
(Start: 25 @39128 has 12 MA's), (Start: 26 @39131 has 2 MA's), (46, 39218), (47, 39224), (53, 39242), (58, 39269), (62, 39296), (80, 39368), (97, 39440), (109, 39488), (116, 39515), (121, 39539), (133, 39611), (134, 39614), (135, 39623), (152, 39698), (186, 39794), (194, 39824), (195, 39827), (201, 39863), (236, 39986), (245, 40013), (246, 40016), (257, 40043), (260, 40055), (265, 40070), (268, 40088), (269, 40091), (275, 40115), (280, 40148), (285, 40166), (296, 40214), (299, 40223),

Gene: Timinator_74 Start: 48075, Stop: 46807, Start Num: 14
Candidate Starts for Timinator_74:
(10, 48093), (Start: 14 @48075 has 26 MA's), (Start: 26 @48036 has 2 MA's), (51, 47931), (72, 47829), (89, 47751), (100, 47697), (126, 47595), (143, 47499), (157, 47445), (160, 47427), (169, 47406), (195,

47271), (205, 47214), (245, 47079), (258, 47028), (259, 47022), (285, 46905), (305, 46833), (306, 46830), (308, 46818),

Gene: Tophat_106 Start: 66518, Stop: 67633, Start Num: 28
Candidate Starts for Tophat_106:
(Start: 28 @66518 has 21 MA's), (36, 66557), (41, 66578), (52, 66617), (64, 66680), (72, 66716), (74, 66719), (77, 66734), (79, 66746), (89, 66788), (98, 66812), (103, 66842), (106, 66848), (112, 66863), (113, 66866), (121, 66896), (124, 66908), (126, 66923), (132, 66962), (133, 66968), (134, 66971), (137, 66986), (139, 67007), (146, 67037), (151, 67043), (172, 67100), (176, 67112), (178, 67118), (183, 67148), (186, 67154), (196, 67184), (201, 67217), (211, 67265), (212, 67268), (227, 67313), (234, 67334), (251, 67385), (261, 67427), (271, 67463), (277, 67496), (282, 67523), (289, 67550), (297, 67583), (298, 67586), (303, 67601), (306, 67607), (307, 67613),

Gene: Tredge_51 Start: 49758, Stop: 48646, Start Num: 20
Candidate Starts for Tredge_51:
(Start: 20 @49758 has 78 MA's), (43, 49668), (48, 49650), (57, 49626), (58, 49620), (63, 49590), (75, 49539), (78, 49524), (83, 49491), (87, 49476), (95, 49443), (99, 49428), (122, 49353), (123, 49350), (128, 49320), (135, 49275), (150, 49221), (162, 49176), (164, 49173), (170, 49161), (174, 49149), (181, 49122), (196, 49077), (198, 49062), (208, 49026), (221, 48972), (224, 48963), (228, 48954), (238, 48918), (241, 48912), (248, 48894), (257, 48852), (262, 48834), (263, 48831), (277, 48768), (283, 48738), (300, 48666),

Gene: Trogglehumper_72 Start: 57053, Stop: 55920, Start Num: 21
Candidate Starts for Trogglehumper_72:
(4, 57194), (Start: 21 @57053 has 9 MA's), (37, 56981), (69, 56843), (82, 56783), (104, 56699), (123, 56633), (132, 56573), (135, 56555), (136, 56552), (146, 56510), (148, 56504), (150, 56501), (161, 56471), (162, 56468), (168, 56459), (182, 56408), (186, 56393), (208, 56318), (209, 56315), (238, 56213), (249, 56186), (252, 56174), (269, 56102), (271, 56096), (280, 56042), (288, 56012), (302, 55952),

Gene: Vitaenoii_51 Start: 50721, Stop: 49609, Start Num: 20
Candidate Starts for Vitaenoii_51:
(Start: 20 @50721 has 78 MA's), (35, 50658), (75, 50502), (78, 50487), (91, 50421), (93, 50412), (95, 50406), (99, 50391), (106, 50373), (122, 50316), (123, 50313), (128, 50283), (135, 50238), (137, 50232), (150, 50184), (162, 50139), (168, 50130), (174, 50112), (196, 50040), (202, 50004), (208, 49989), (213, 49962), (224, 49926), (235, 49887), (238, 49881), (248, 49857), (252, 49842), (257, 49815), (283, 49701), (290, 49674), (300, 49629),

Gene: Waterfoul_48 Start: 37028, Stop: 38158, Start Num: 25
Candidate Starts for Waterfoul_48:
(Start: 25 @37028 has 12 MA's), (Start: 26 @37031 has 2 MA's), (46, 37118), (47, 37124), (53, 37142), (62, 37196), (68, 37223), (80, 37268), (97, 37340), (109, 37388), (116, 37415), (121, 37439), (133, 37511), (134, 37514), (135, 37523), (152, 37598), (186, 37694), (194, 37724), (195, 37727), (201, 37763), (236, 37886), (245, 37913), (246, 37916), (257, 37943), (260, 37955), (265, 37970), (268, 37988), (269, 37991), (275, 38015), (280, 38048), (285, 38066), (296, 38114), (299, 38123),

Gene: Woes_52 Start: 50124, Stop: 48991, Start Num: 20
Candidate Starts for Woes_52:
(Start: 20 @50124 has 78 MA's), (44, 50031), (48, 50016), (68, 49926), (82, 49854), (99, 49794), (117, 49737), (120, 49719), (123, 49710), (131, 49668), (135, 49635), (137, 49629), (150, 49581), (161, 49542), (162, 49539), (164, 49536), (204, 49398), (208, 49389), (209, 49386), (221, 49338), (228, 49320), (248, 49260), (249, 49257), (261, 49203), (268, 49173), (277, 49131), (283, 49101), (284, 49098), (291, 49071), (292, 49068), (300, 49029),

Gene: Worcestershire_54 Start: 48572, Stop: 47439, Start Num: 20
Candidate Starts for Worcestershire_54:
(Start: 20 @48572 has 78 MA's), (35, 48509), (75, 48344), (80, 48317), (99, 48242), (117, 48185), (120, 48167), (126, 48137), (131, 48116), (137, 48077), (147, 48035), (150, 48029), (162, 47987), (182, 47927), (199, 47870), (208, 47837), (209, 47834), (228, 47768), (241, 47726), (248, 47708), (261, 47651), (269, 47621), (291, 47522), (300, 47480),

Gene: Wyborn_74 Start: 46920, Stop: 45700, Start Num: 14
Candidate Starts for Wyborn_74:
(6, 46992), (Start: 14 @46920 has 26 MA's), (16, 46914), (Start: 26 @46878 has 2 MA's), (72, 46671), (89, 46593), (90, 46590), (134, 46389), (140, 46350), (151, 46308), (156, 46290), (182, 46200), (195, 46164), (248, 45966), (259, 45915), (273, 45864), (281, 45813), (286, 45792), (292, 45777), (306, 45723), (307, 45717), (308, 45711),

Gene: Zartrosa_75 Start: 48282, Stop: 47026, Start Num: 14
Candidate Starts for Zartrosa_75:
(Start: 14 @48282 has 26 MA's), (Start: 26 @48246 has 2 MA's), (72, 48039), (86, 47973), (100, 47907), (132, 47766), (143, 47709), (151, 47676), (157, 47655), (169, 47616), (195, 47490), (201, 47454), (205, 47433), (216, 47391), (245, 47298), (258, 47247), (259, 47241), (264, 47226), (269, 47202), (271, 47196), (292, 47100), (305, 47052), (306, 47049), (308, 47037),