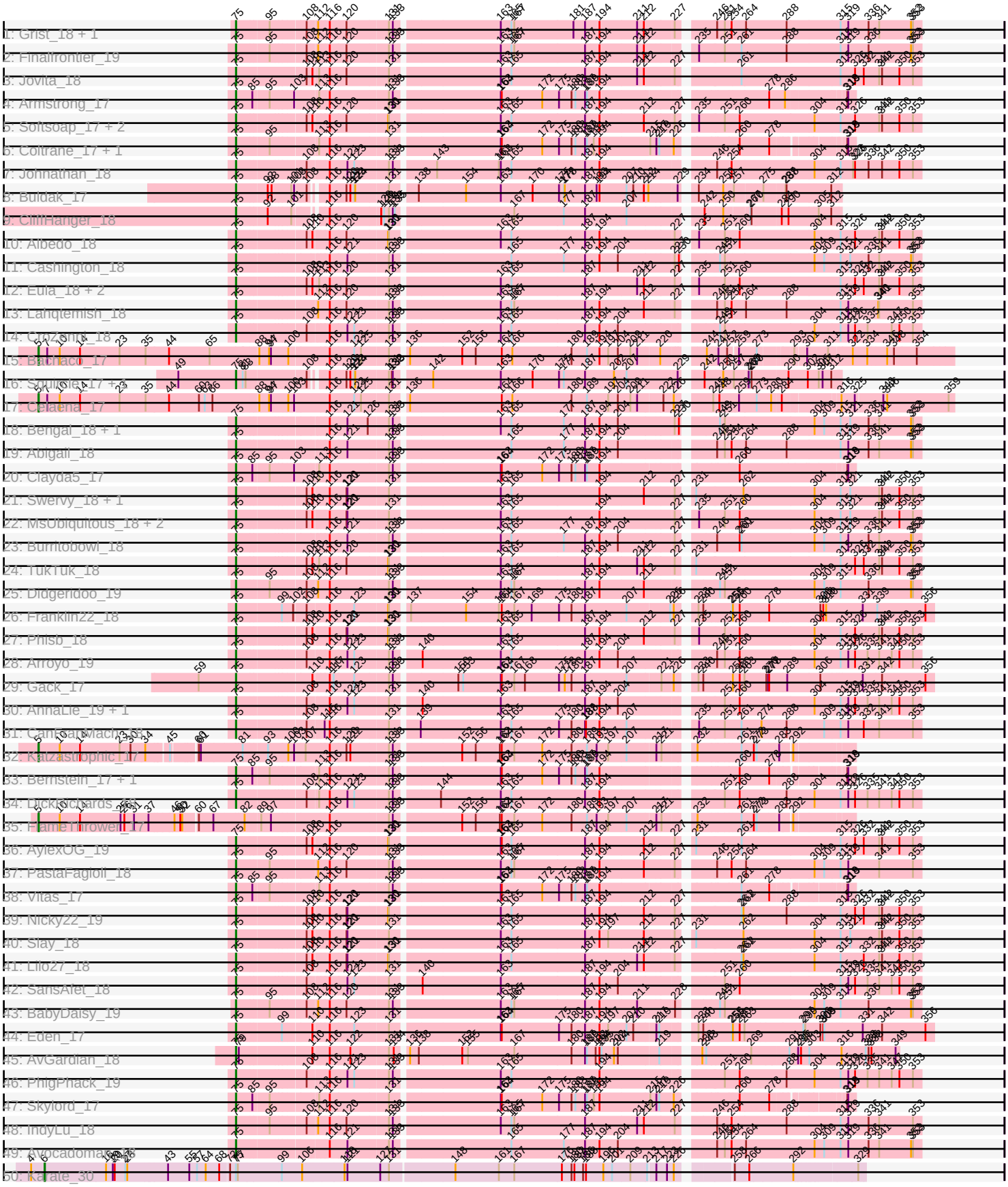
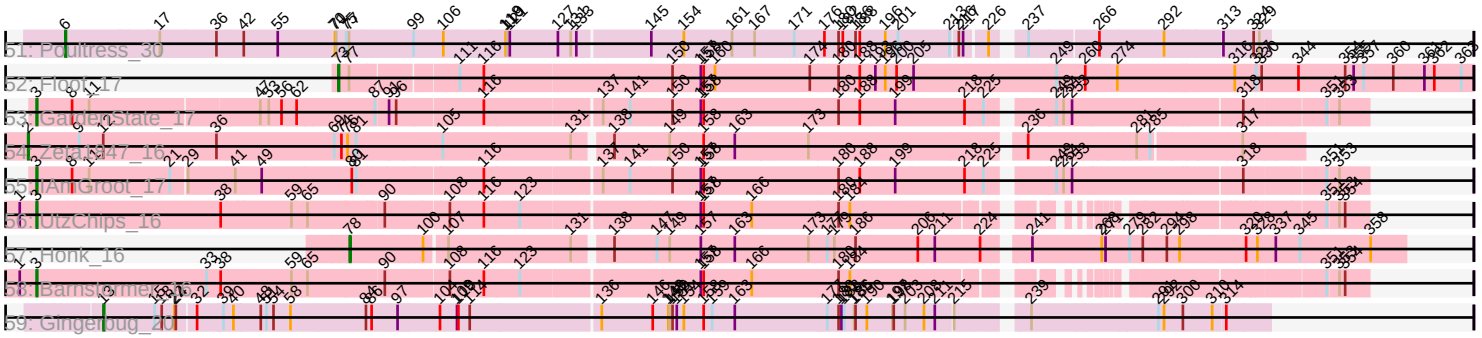
Pham 347568


1: Grist_18 + 1
2: FinalFrontier_19
3: Jovita_18
4: Armstrong_17
5: SoftSoap_17 + 2
6: Coltrane_17 + 1
7: Jonnathan_18
8: Buldak_17
9: CliffHanger_18
10: Albedo_18
11: Cashington_18
12: Eula_18 + 2
13: Lanqtemish_18
14: CityZenith_18
15: Bachaco_17
16: Squiggle_17 + 2
17: Celaena_17
18: Bengal_18 + 1
19: Abigail_18
20: Clayda5_17
21: Swervy_18 + 1
22: MsObiquitous_18 + 2
23: Burritobowl_18
24: TukTuk_18
25: Didgeridoo_19
26: Franklin22_18
27: Phisb_18
28: Arroyo_19
29: Gack_17
30: AnnaLie_19 + 1
31: CandaceMach23_18
32: Katzastrophic_17
33: Bernstein_17 + 1
34: Dicktionards_18
35: FlameThrower_17
36: AylexOG_19
37: PastaFagioli_18
38: Vitas_17
39: Nicky22_19
40: Slay_18
41: Lilo27_18
42: SansAlef_18
43: BabyDaisy_19
44: Eden_17
45: AvGardian_18
46: PhigPhack_19
47: Skylord_17
48: IndyLu_18
49: Avocadomaster_18
50: Karate_30

Pham 347568


51: Poultress_30
52: Floofi_17
53: GarlandState_17
54: Zeff1247_16
55: ANTGroot_17
56: UtzChips_16
57: Honk_16
58: Barnstormer_16
59: Gingerbug_20

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 347568 Report

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

Pham number 347568 has 72 members, 2 are drafts.

Phages represented in each track:
- Track 1 : Grist_18, Kate33_18
- Track 2 : Finalfrontier_19
- Track 3 : Jovita_18
- Track 4 : Armstrong_17
- Track 5 : Softsoap_17, BubbaBear_18, SirBeanington_18
- Track 6 : Coltrane_17, Brahms_17
- Track 7 : Johnathan_18
- Track 8 : Buldak_17
- Track 9 : CliffHanger_18
- Track 10 : Albedo_18
- Track 11 : Cashington_18
- Track 12 : Eula_18, QMacho_19, Pecas_18
- Track 13 : Lahqtemish_18
- Track 14 : CroZenni_18
- Track 15 : Bachaco_17
- Track 16 : Squircle_17, Olliecat_17
- Track 17 : Celaena_17
- Track 18 : Bengal_18, LimaBean_18
- Track 19 : Abigail_18
- Track 20 : Clayda5_17
- Track 21 : Swervy_18, SarBear_18
- Track 22 : MsUbiquitous_18, Jabb_18, CupcakePrincess_18
- Track 23 : Burritobowl_18
- Track 24 : TukTuk_18
- Track 25 : Didgeridoo_19
- Track 26 : Franklin22_18
- Track 27 : Phisb_18
- Track 28 : Arroyo_19
- Track 29 : Gack_17
- Track 30 : AnnaLie_19, BelmontSKP_19
- Track 31 : CanFranMach_18
- Track 32 : Katzastrophic_17
- Track 33 : Bernstein_17, Rollins_17
- Track 34 : DickRichards_18
- Track 35 : FlameThrower_17
- Track 36 : AylexOG_19
- Track 37 : PastaFagioli_18

• Track 38 : Vitas_17
• Track 39 : Nicky22_19
• Track 40 : Slay_18
• Track 41 : Lilo27_18
• Track 42 : SansAfet_18
• Track 43 : BabyDaisy_19
• Track 44 : Eden_17
• Track 45 : AvGardian_18
• Track 46 : PhigPhack_19
• Track 47 : Skylord_17
• Track 48 : IndyLu_18
• Track 49 : Avocadoman_18
• Track 50 : Karate_30
• Track 51 : Poultress_30
• Track 52 : Floof_17
• Track 53 : GardenState_17
• Track 54 : Zeta1847_16
• Track 55 : IAmGroot_17
• Track 56 : UtzChips_16
• Track 57 : Honk_16
• Track 58 : Barnstormer_16
• Track 59 : Gingerbug_20

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

The start number called the most often in the published annotations is 75, it was called in 56 of the 70 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abigail_18, Albedo_18, AnnaLie_19, Armstrong_17, Arroyo_19, AvGardian_18, Avocadoman_18, AylexOG_19, BabyDaisy_19, BelmontSKP_19, Bengal_18, Bernstein_17, Brahms_17, BubbaBear_18, Buldak_17, Burritobowl_18, CanFranMach_18, Cashington_18, Clayda5_17, CliffHanger_18, Coltrane_17, CroZenni_18, CupcakePrincess_18, DickRichards_18, Didgeridoo_19, Eden_17, Eula_18, Finalfrontier_19, Franklin22_18, Gack_17, Grist_18, IndyLu_18, Jabb_18, Johnathan_18, Jovita_18, Kate33_18, Lahqtemish_18, Lilo27_18, LimaBean_18, MsUbiquitous_18, Nicky22_19, Olliecat_17, PastaFagioli_18, Pecas_18, PhigPhack_19, Phisb_18, QMacho_19, Rollins_17, SansAfet_18, SarBear_18, SirBeanington_18, Skylord_17, Slay_18, Softsoap_17, Squircle_17, Swervy_18, TukTuk_18, Vitas_17,

Genes that have the "Most Annotated" start but do not call it:
• Karate_30, Poultress_30,

Genes that do not have the "Most Annotated" start:
• Bachaco_17, Barnstormer_16, Celaena_17, FlameThrower_17, Floof_17, GardenState_17, Gingerbug_20, Honk_16, IAmGroot_17, Katzastrophic_17, UtzChips_16, Zeta1847_16,

Summary by start number:

Start 2:
• Found in 1 of 72 (1.4%) of genes in pham
• Manual Annotations of this start: 1 of 70
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Zeta1847_16 (EH),

Start 3:
• Found in 4 of 72 (5.6%) of genes in pham
• Manual Annotations of this start: 4 of 70
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Barnstormer_16 (EH), GardenState_17 (EH), IAmGroot_17 (EH), UtzChips_16 (EH),

Start 5:
• Found in 4 of 72 (5.6%) of genes in pham
• Manual Annotations of this start: 4 of 70
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bachaco_17 (EB), Celaena_17 (EB), FlameThrower_17 (EB), Katzastrophic_17 (EB),

Start 6:
• Found in 2 of 72 (2.8%) of genes in pham
• Manual Annotations of this start: 2 of 70
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Karate_30 (EF), Poultress_30 (EF),

Start 13:
• Found in 1 of 72 (1.4%) of genes in pham
• Manual Annotations of this start: 1 of 70
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gingerbug_20 (GF),

Start 73:
• Found in 1 of 72 (1.4%) of genes in pham
• Manual Annotations of this start: 1 of 70
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Floof_17 (EH),

Start 75:
• Found in 60 of 72 (83.3%) of genes in pham
• Manual Annotations of this start: 56 of 70
• Called 96.7% of time when present
• Phage (with cluster) where this start called: Abigail_18 (EB), Albedo_18 (EB), AnnaLie_19 (EB), Armstrong_17 (EB), Arroyo_19 (EB), AvGardian_18 (EB), Avocadoman_18 (EB), AylexOG_19 (EB), BabyDaisy_19 (EB), BelmontSKP_19 (EB), Bengal_18 (EB), Bernstein_17 (EB), Brahms_17 (EB), BubbaBear_18 (EB), Buldak_17 (EB), Burritobowl_18 (EB), CanFranMach_18 (EB), Cashington_18 (EB), Clayda5_17 (EB), CliffHanger_18 (EB), Coltrane_17 (EB), CroZenni_18 (EB), CupcakePrincess_18 (EB), DickRichards_18 (EB), Didgeridoo_19 (EB), Eden_17 (EB), Eula_18 (EB), Finalfrontier_19 (EB), Franklin22_18 (EB), Gack_17 (EB), Grist_18 (EB), IndyLu_18 (EB), Jabb_18 (EB), Johnathan_18 (EB), Jovita_18 (EB), Kate33_18 (EB), Lahqtemish_18 (EB), Lilo27_18 (EB), LimaBean_18 (EB),

MsUbiquitous_18 (EB), Nicky22_19 (EB), Olliecat_17 (EB), PastaFagioli_18 (EB), Pecas_18 (EB), PhigPhack_19 (EB), Phisb_18 (EB), QMacho_19 (EB), Rollins_17 (EB), SansAfet_18 (EB), SarBear_18 (EB), SirBeanington_18 (EB), Skylord_17 (EB), Slay_18 (EB), Softsoap_17 (EB), Squircle_17 (EB), Swervy_18 (EB), TukTuk_18 (EB), Vitas_17 (EB),

Start 78:
• Found in 1 of 72 (1.4%) of genes in pham
• Manual Annotations of this start: 1 of 70
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Honk_16 (EH),

Summary by clusters:

There are 4 clusters represented in this pham: GF, EF, EH, EB,

Info for manual annotations of cluster EB:
•Start number 5 was manually annotated 4 times for cluster EB.
•Start number 75 was manually annotated 56 times for cluster EB.

Info for manual annotations of cluster EF:
•Start number 6 was manually annotated 2 times for cluster EF.

Info for manual annotations of cluster EH:
•Start number 2 was manually annotated 1 time for cluster EH.
•Start number 3 was manually annotated 4 times for cluster EH.
•Start number 73 was manually annotated 1 time for cluster EH.
•Start number 78 was manually annotated 1 time for cluster EH.

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

Gene Information:

Gene: Abigail_18 Start: 14117, Stop: 16090, Start Num: 75
Candidate Starts for Abigail_18:
(Start: 75 @14117 has 56 MA's), (116, 14363), (121, 14417), (131, 14537), (133, 14549), (165, 14888), (177, 15050), (187, 15116), (194, 15158), (204, 15215), (246, 15470), (251, 15494), (254, 15515), (264, 15554), (288, 15680), (315, 15839), (319, 15863), (336, 15926), (341, 15959), (352, 16058), (353, 16064),

Gene: Albedo_18 Start: 13985, Stop: 15955, Start Num: 75
Candidate Starts for Albedo_18:
(Start: 75 @13985 has 56 MA's), (108, 14174), (110, 14189), (116, 14231), (120, 14282), (130, 14402), (131, 14405), (163, 14723), (165, 14756), (187, 14984), (194, 15026), (227, 15245), (235, 15284), (251, 15359), (260, 15401), (304, 15629), (315, 15704), (326, 15749), (341, 15824), (342, 15833), (350, 15887), (353, 15929),

Gene: AnnaLie_19 Start: 14304, Stop: 16274, Start Num: 75
Candidate Starts for AnnaLie_19:

(Start: 75 @14304 has 56 MA's), (108, 14493), (116, 14550), (121, 14604), (123, 14625), (131, 14724), (140, 14802), (163, 15042), (187, 15303), (194, 15345), (204, 15402), (251, 15678), (260, 15720), (304, 15948), (315, 16023), (319, 16047), (326, 16068), (335, 16107), (341, 16143), (347, 16182), (350, 16206), (353, 16248),

Gene: Armstrong_17 Start: 12466, Stop: 14193, Start Num: 75
Candidate Starts for Armstrong_17:
(Start: 75 @12466 has 56 MA's), (85, 12514), (95, 12559), (103, 12625), (113, 12682), (116, 12712), (131, 12886), (133, 12898), (163, 13204), (164, 13207), (172, 13333), (175, 13384), (180, 13423), (183, 13435), (187, 13465), (189, 13471), (194, 13507), (278, 13963), (286, 14011), (318, 14167), (319, 14170),

Gene: Arroyo_19 Start: 14505, Stop: 16475, Start Num: 75
Candidate Starts for Arroyo_19:
(Start: 75 @14505 has 56 MA's), (108, 14694), (116, 14751), (121, 14805), (123, 14826), (131, 14925), (133, 14937), (140, 15003), (163, 15243), (165, 15276), (187, 15504), (194, 15546), (204, 15603), (246, 15855), (251, 15879), (260, 15921), (304, 16149), (315, 16224), (319, 16248), (326, 16269), (335, 16308), (341, 16344), (347, 16383), (350, 16407), (353, 16449),

Gene: AvGardian_18 Start: 13647, Stop: 15533, Start Num: 75
Candidate Starts for AvGardian_18:
(Start: 75 @13647 has 56 MA's), (79, 13656), (110, 13851), (116, 13893), (122, 13956), (131, 14067), (134, 14082), (136, 14109), (138, 14136), (152, 14265), (155, 14283), (167, 14427), (180, 14604), (187, 14646), (189, 14652), (192, 14676), (194, 14688), (195, 14694), (202, 14733), (204, 14745), (219, 14859), (238, 14949), (243, 14961), (269, 15096), (291, 15207), (295, 15234), (296, 15243), (303, 15267), (316, 15354), (333, 15429), (336, 15438), (338, 15447), (349, 15522),

Gene: Avocadoman_18 Start: 14060, Stop: 16033, Start Num: 75
Candidate Starts for Avocadoman_18:
(Start: 75 @14060 has 56 MA's), (116, 14306), (121, 14360), (131, 14480), (133, 14492), (165, 14831), (177, 14993), (187, 15059), (194, 15101), (204, 15158), (246, 15413), (251, 15437), (254, 15458), (264, 15497), (304, 15707), (309, 15737), (315, 15782), (319, 15806), (336, 15869), (341, 15902), (352, 16001), (353, 16007),

Gene: AylexOG_19 Start: 14319, Stop: 16292, Start Num: 75
Candidate Starts for AylexOG_19:
(Start: 75 @14319 has 56 MA's), (108, 14508), (110, 14523), (116, 14565), (130, 14736), (131, 14739), (163, 15057), (164, 15060), (165, 15090), (187, 15318), (194, 15360), (212, 15495), (227, 15579), (231, 15609), (261, 15744), (315, 16041), (326, 16086), (332, 16113), (341, 16161), (342, 16170), (350, 16224), (353, 16266),

Gene: BabyDaisy_19 Start: 14120, Stop: 16090, Start Num: 75
Candidate Starts for BabyDaisy_19:
(Start: 75 @14120 has 56 MA's), (95, 14213), (108, 14309), (112, 14333), (116, 14366), (120, 14417), (131, 14540), (133, 14552), (163, 14858), (165, 14891), (167, 14900), (187, 15119), (194, 15161), (211, 15275), (228, 15380), (249, 15479), (251, 15494), (304, 15764), (309, 15794), (315, 15839), (336, 15926), (352, 16058), (353, 16064),

Gene: Bachaco_17 Start: 13521, Stop: 16133, Start Num: 5
Candidate Starts for Bachaco_17:
(Start: 5 @13521 has 4 MA's), (7, 13548), (10, 13587), (14, 13650), (23, 13773), (35, 13854), (44, 13926), (65, 14052), (88, 14190), (94, 14217), (97, 14223), (100, 14271), (116, 14388), (123, 14463), (125, 14484), (131, 14562), (136, 14604), (152, 14760), (156, 14802), (164, 14883), (166, 14916),

(180, 15099), (189, 15147), (194, 15183), (197, 15210), (204, 15240), (209, 15276), (211, 15297), (220, 15357), (244, 15453), (247, 15483), (252, 15507), (259, 15531), (273, 15585), (293, 15678), (301, 15708), (311, 15771), (322, 15834), (334, 15879), (346, 15936), (348, 15957), (354, 16023),

Gene: Barnstormer_16 Start: 13150, Stop: 15660, Start Num: 3
Candidate Starts for Barnstormer_16:
(1, 13114), (Start: 3 @13150 has 4 MA's), (33, 13510), (38, 13540), (59, 13684), (65, 13717), (90, 13867), (108, 13990), (116, 14062), (123, 14137), (157, 14500), (158, 14506), (166, 14608), (180, 14791), (184, 14815), (351, 15577), (353, 15598), (354, 15610),

Gene: BelmontSKP_19 Start: 14304, Stop: 16274, Start Num: 75
Candidate Starts for BelmontSKP_19:
(Start: 75 @14304 has 56 MA's), (108, 14493), (116, 14550), (121, 14604), (123, 14625), (131, 14724), (140, 14802), (163, 15042), (187, 15303), (194, 15345), (204, 15402), (251, 15678), (260, 15720), (304, 15948), (315, 16023), (319, 16047), (326, 16068), (335, 16107), (341, 16143), (347, 16182), (350, 16206), (353, 16248),

Gene: Bengal_18 Start: 13895, Stop: 15865, Start Num: 75
Candidate Starts for Bengal_18:
(Start: 75 @13895 has 56 MA's), (116, 14141), (121, 14195), (126, 14258), (131, 14315), (133, 14327), (163, 14633), (165, 14666), (177, 14828), (187, 14894), (194, 14936), (204, 14993), (227, 15155), (230, 15167), (249, 15254), (251, 15269), (304, 15539), (309, 15569), (315, 15614), (321, 15644), (336, 15701), (341, 15734), (352, 15833), (353, 15839),

Gene: Bernstein_17 Start: 12526, Stop: 14229, Start Num: 75
Candidate Starts for Bernstein_17:
(Start: 75 @12526 has 56 MA's), (85, 12574), (95, 12619), (113, 12742), (116, 12772), (131, 12946), (133, 12958), (163, 13264), (164, 13267), (172, 13393), (175, 13444), (180, 13483), (183, 13495), (187, 13525), (189, 13531), (194, 13567), (260, 13933), (278, 14023), (318, 14203), (319, 14206),

Gene: Brahms_17 Start: 12466, Stop: 14169, Start Num: 75
Candidate Starts for Brahms_17:
(Start: 75 @12466 has 56 MA's), (95, 12559), (113, 12682), (116, 12712), (131, 12886), (163, 13204), (164, 13207), (172, 13333), (175, 13384), (180, 13423), (183, 13435), (187, 13465), (189, 13471), (191, 13489), (194, 13507), (215, 13654), (217, 13669), (219, 13678), (226, 13717), (260, 13873), (278, 13963), (318, 14143), (319, 14146),

Gene: BubbaBear_18 Start: 13985, Stop: 15955, Start Num: 75
Candidate Starts for BubbaBear_18:
(Start: 75 @13985 has 56 MA's), (108, 14174), (110, 14189), (116, 14231), (120, 14282), (130, 14402), (131, 14405), (163, 14723), (165, 14756), (187, 14984), (194, 15026), (212, 15161), (227, 15245), (235, 15284), (251, 15359), (260, 15401), (304, 15629), (315, 15704), (326, 15749), (341, 15824), (342, 15833), (350, 15887), (353, 15929),

Gene: Buldak_17 Start: 13900, Stop: 15591, Start Num: 75
Candidate Starts for Buldak_17:
(Start: 75 @13900 has 56 MA's), (92, 13987), (98, 13999), (101, 14050), (103, 14059), (108, 14089), (116, 14128), (120, 14179), (122, 14191), (123, 14203), (124, 14206), (131, 14302), (138, 14371), (154, 14512), (163, 14620), (170, 14719), (175, 14800), (177, 14815), (178, 14818), (187, 14881), (193, 14914), (194, 14923), (207, 15004), (210, 15025), (212, 15058), (214, 15070), (229, 15151), (234, 15181), (250, 15256), (257, 15283), (275, 15367), (287, 15430), (288, 15433), (312, 15565),

Gene: Burritobowl_18 Start: 14063, Stop: 16033, Start Num: 75

Candidate Starts for Burritobowl_18:
(Start: 75 @14063 has 56 MA's), (116, 14309), (121, 14363), (131, 14483), (133, 14495), (163, 14801), (165, 14834), (177, 14996), (187, 15062), (194, 15104), (204, 15161), (227, 15323), (246, 15413), (260, 15479), (261, 15485), (304, 15707), (309, 15737), (315, 15782), (319, 15806), (336, 15869), (341, 15902), (352, 16001), (353, 16007),

Gene: CanFranMach_18 Start: 13989, Stop: 15962, Start Num: 75
Candidate Starts for CanFranMach_18:
(Start: 75 @13989 has 56 MA's), (108, 14178), (115, 14220), (116, 14235), (131, 14409), (139, 14484), (163, 14727), (165, 14760), (175, 14907), (180, 14946), (187, 14988), (188, 14991), (194, 15030), (207, 15111), (235, 15288), (251, 15366), (261, 15414), (274, 15474), (288, 15552), (309, 15666), (315, 15711), (319, 15735), (332, 15783), (341, 15831), (353, 15936),

Gene: Cashington_18 Start: 13912, Stop: 15882, Start Num: 75
Candidate Starts for Cashington_18:
(Start: 75 @13912 has 56 MA's), (116, 14158), (121, 14212), (131, 14332), (133, 14344), (165, 14683), (177, 14845), (187, 14911), (194, 14953), (204, 15010), (227, 15172), (230, 15184), (249, 15271), (251, 15286), (304, 15556), (309, 15586), (315, 15631), (321, 15661), (336, 15718), (341, 15751), (352, 15850), (353, 15856),

Gene: Celaena_17 Start: 13457, Stop: 16075, Start Num: 5
Candidate Starts for Celaena_17:
(Start: 5 @13457 has 4 MA's), (7, 13484), (10, 13523), (14, 13586), (23, 13709), (35, 13790), (44, 13862), (60, 13955), (63, 13973), (66, 13997), (88, 14126), (94, 14153), (97, 14159), (100, 14207), (103, 14225), (116, 14324), (123, 14399), (125, 14420), (131, 14498), (136, 14540), (164, 14819), (166, 14852), (180, 15035), (189, 15083), (197, 15146), (204, 15176), (209, 15212), (211, 15233), (222, 15302), (226, 15329), (245, 15407), (248, 15422), (259, 15473), (273, 15527), (280, 15572), (284, 15593), (316, 15746), (325, 15779), (343, 15857), (346, 15869), (359, 16058),

Gene: Clayda5_17 Start: 12466, Stop: 14199, Start Num: 75
Candidate Starts for Clayda5_17:
(Start: 75 @12466 has 56 MA's), (85, 12514), (95, 12559), (103, 12625), (113, 12682), (116, 12712), (131, 12886), (133, 12898), (163, 13204), (164, 13207), (172, 13333), (175, 13384), (180, 13423), (183, 13435), (187, 13465), (189, 13471), (194, 13507), (260, 13873), (318, 14173), (319, 14176),

Gene: CliffHanger_18 Start: 13501, Stop: 15195, Start Num: 75
Candidate Starts for CliffHanger_18:
(Start: 75 @13501 has 56 MA's), (92, 13588), (101, 13651), (116, 13729), (128, 13879), (129, 13888), (131, 13903), (133, 13915), (135, 13921), (167, 14263), (177, 14416), (187, 14482), (207, 14605), (242, 14800), (250, 14857), (267, 14929), (270, 14932), (284, 15019), (290, 15040), (305, 15130), (312, 15169),

Gene: Coltrane_17 Start: 12466, Stop: 14169, Start Num: 75
Candidate Starts for Coltrane_17:
(Start: 75 @12466 has 56 MA's), (95, 12559), (113, 12682), (116, 12712), (131, 12886), (163, 13204), (164, 13207), (172, 13333), (175, 13384), (180, 13423), (183, 13435), (187, 13465), (189, 13471), (191, 13489), (194, 13507), (215, 13654), (217, 13669), (219, 13678), (226, 13717), (260, 13873), (278, 13963), (318, 14143), (319, 14146),

Gene: CroZenni_18 Start: 13895, Stop: 15865, Start Num: 75
Candidate Starts for CroZenni_18:
(Start: 75 @13895 has 56 MA's), (108, 14084), (116, 14141), (121, 14195), (123, 14216), (131, 14315), (133, 14327), (163, 14633), (165, 14666), (187, 14894), (194, 14936), (204, 14993), (249, 15254),

(251, 15269), (304, 15539), (315, 15614), (319, 15638), (326, 15659), (335, 15698), (347, 15773), (350, 15797), (353, 15839),

Gene: CupcakePrincess_18 Start: 14012, Stop: 15982, Start Num: 75
Candidate Starts for CupcakePrincess_18:
(Start: 75 @14012 has 56 MA's), (108, 14201), (110, 14216), (116, 14258), (120, 14309), (121, 14312), (131, 14432), (163, 14750), (165, 14783), (194, 15053), (227, 15272), (235, 15311), (251, 15386), (260, 15428), (304, 15656), (315, 15731), (321, 15761), (341, 15851), (342, 15860), (350, 15914), (353, 15956),

Gene: DickRichards_18 Start: 14390, Stop: 16360, Start Num: 75
Candidate Starts for DickRichards_18:
(Start: 75 @14390 has 56 MA's), (108, 14579), (113, 14606), (116, 14636), (121, 14690), (123, 14711), (131, 14810), (133, 14822), (144, 14945), (163, 15128), (165, 15161), (187, 15389), (194, 15431), (251, 15764), (260, 15806), (288, 15950), (304, 16034), (315, 16109), (319, 16133), (326, 16154), (335, 16193), (341, 16229), (347, 16268), (350, 16292), (353, 16334),

Gene: Didgeridoo_19 Start: 14122, Stop: 16092, Start Num: 75
Candidate Starts for Didgeridoo_19:
(Start: 75 @14122 has 56 MA's), (95, 14215), (108, 14311), (112, 14335), (116, 14368), (131, 14542), (133, 14554), (163, 14860), (165, 14893), (167, 14902), (187, 15121), (194, 15163), (212, 15298), (249, 15481), (251, 15496), (304, 15766), (309, 15796), (315, 15841), (336, 15928), (352, 16060), (353, 16066),

Gene: Eden_17 Start: 12590, Stop: 14578, Start Num: 75
Candidate Starts for Eden_17:
(Start: 75 @12590 has 56 MA's), (99, 12713), (110, 12791), (116, 12833), (123, 12908), (131, 13007), (163, 13325), (164, 13328), (175, 13505), (180, 13544), (187, 13586), (194, 13628), (197, 13655), (207, 13709), (210, 13730), (217, 13790), (219, 13799), (233, 13877), (240, 13892), (255, 13976), (256, 13979), (260, 14000), (263, 14015), (297, 14192), (299, 14198), (306, 14240), (308, 14249), (309, 14252), (331, 14360), (342, 14417), (356, 14552),

Gene: Eula_18 Start: 13973, Stop: 15943, Start Num: 75
Candidate Starts for Eula_18:
(Start: 75 @13973 has 56 MA's), (108, 14162), (110, 14177), (113, 14189), (116, 14219), (120, 14270), (131, 14393), (163, 14711), (165, 14744), (187, 14972), (211, 15128), (212, 15149), (227, 15233), (235, 15272), (251, 15347), (260, 15389), (315, 15692), (326, 15737), (332, 15764), (341, 15812), (342, 15821), (350, 15875), (353, 15917),

Gene: Finalfrontier_19 Start: 14486, Stop: 16459, Start Num: 75
Candidate Starts for Finalfrontier_19:
(Start: 75 @14486 has 56 MA's), (95, 14579), (108, 14675), (112, 14699), (116, 14732), (120, 14783), (131, 14906), (133, 14918), (163, 15224), (165, 15257), (167, 15266), (187, 15485), (194, 15527), (211, 15641), (212, 15662), (235, 15785), (251, 15863), (261, 15911), (288, 16049), (315, 16208), (319, 16232), (336, 16295), (352, 16427), (353, 16433),

Gene: FlameThrower_17 Start: 13345, Stop: 15654, Start Num: 5
Candidate Starts for FlameThrower_17:
(Start: 5 @13345 has 4 MA's), (10, 13411), (14, 13474), (25, 13600), (26, 13612), (31, 13642), (37, 13687), (46, 13762), (50, 13780), (52, 13786), (60, 13825), (67, 13870), (82, 13957), (89, 13996), (97, 14026), (116, 14194), (131, 14368), (133, 14380), (152, 14566), (156, 14608), (162, 14683), (164, 14689), (167, 14728), (172, 14815), (180, 14905), (189, 14953), (193, 14980), (197, 15016), (207, 15070), (217, 15151), (221, 15166), (232, 15235), (261, 15358), (272, 15394), (273, 15403), (283,

15463), (292, 15490),

Gene: Floof_17 Start: 13331, Stop: 15664, Start Num: 73
Candidate Starts for Floof_17:
(Start: 73 @13331 has 1 MA's), (77, 13352), (111, 13553), (116, 13604), (150, 13994), (157, 14054), (158, 14060), (160, 14084), (174, 14285), (180, 14345), (188, 14390), (193, 14420), (196, 14441), (200, 14465), (205, 14498), (249, 14795), (260, 14852), (274, 14918), (316, 15158), (327, 15203), (330, 15215), (344, 15293), (354, 15392), (355, 15410), (357, 15431), (360, 15494), (361, 15560), (362, 15581), (363, 15638),

Gene: Franklin22_18 Start: 12769, Stop: 14757, Start Num: 75
Candidate Starts for Franklin22_18:
(Start: 75 @12769 has 56 MA's), (99, 12892), (102, 12922), (108, 12955), (116, 13015), (123, 13090), (130, 13186), (131, 13189), (137, 13234), (154, 13399), (161, 13501), (164, 13510), (167, 13549), (169, 13603), (175, 13687), (180, 13726), (187, 13768), (207, 13891), (225, 14014), (226, 14020), (233, 14059), (240, 14074), (255, 14158), (256, 14161), (260, 14182), (278, 14269), (306, 14419), (308, 14428), (310, 14437), (331, 14539), (339, 14581), (356, 14731),

Gene: Gack_17 Start: 12658, Stop: 14643, Start Num: 75
Candidate Starts for Gack_17:
(59, 12544), (Start: 75 @12658 has 56 MA's), (110, 12859), (116, 12901), (117, 12913), (123, 12976), (131, 13075), (133, 13087), (150, 13261), (153, 13276), (163, 13393), (164, 13396), (167, 13435), (168, 13468), (175, 13573), (178, 13591), (180, 13612), (187, 13654), (207, 13777), (221, 13873), (226, 13906), (233, 13945), (240, 13960), (256, 14047), (260, 14068), (263, 14083), (276, 14146), (277, 14152), (278, 14155), (289, 14209), (306, 14305), (331, 14425), (342, 14482), (356, 14617),

Gene: GardenState_17 Start: 13423, Stop: 16074, Start Num: 3
Candidate Starts for GardenState_17:
(Start: 3 @13423 has 4 MA's), (8, 13498), (11, 13534), (47, 13879), (53, 13897), (56, 13924), (62, 13954), (87, 14107), (91, 14128), (96, 14143), (116, 14320), (137, 14554), (141, 14611), (150, 14698), (157, 14758), (158, 14764), (180, 15049), (188, 15094), (199, 15166), (218, 15310), (225, 15349), (249, 15460), (251, 15475), (253, 15493), (318, 15832), (351, 15991), (353, 16012),

Gene: Gingerbug_20 Start: 14337, Stop: 16679, Start Num: 13
Candidate Starts for Gingerbug_20:
(Start: 13 @14337 has 1 MA's), (15, 14445), (18, 14460), (22, 14484), (24, 14487), (32, 14523), (39, 14574), (40, 14595), (48, 14652), (51, 14664), (54, 14679), (58, 14715), (84, 14871), (86, 14883), (97, 14934), (104, 15018), (109, 15051), (110, 15054), (114, 15078), (136, 15345), (146, 15453), (148, 15486), (149, 15489), (150, 15495), (151, 15504), (154, 15519), (158, 15561), (159, 15579), (163, 15627), (177, 15819), (180, 15843), (181, 15849), (183, 15855), (185, 15876), (186, 15879), (190, 15900), (197, 15954), (198, 15957), (203, 15981), (208, 16020), (211, 16041), (215, 16074), (239, 16188), (291, 16452), (292, 16464), (300, 16503), (310, 16563), (314, 16587),

Gene: Grist_18 Start: 13944, Stop: 15917, Start Num: 75
Candidate Starts for Grist_18:
(Start: 75 @13944 has 56 MA's), (95, 14037), (108, 14133), (112, 14157), (116, 14190), (120, 14241), (131, 14364), (133, 14376), (163, 14682), (165, 14715), (167, 14724), (181, 14907), (187, 14943), (194, 14985), (211, 15099), (212, 15120), (227, 15204), (246, 15297), (251, 15321), (254, 15342), (264, 15381), (288, 15507), (315, 15666), (319, 15690), (336, 15753), (341, 15786), (352, 15885), (353, 15891),

Gene: Honk_16 Start: 12148, Stop: 14262, Start Num: 78
Candidate Starts for Honk_16:

(Start: 78 @12148 has 1 MA's), (100, 12286), (107, 12322), (131, 12580), (138, 12649), (147, 12733), (149, 12760), (157, 12826), (163, 12898), (173, 13054), (177, 13093), (179, 13108), (186, 13153), (206, 13279), (211, 13315), (224, 13405), (241, 13483), (268, 13627), (271, 13633), (279, 13684), (282, 13711), (294, 13762), (298, 13789), (320, 13927), (328, 13948), (337, 13987), (345, 14038), (358, 14188),

Gene: IAmGroot_17 Start: 14067, Stop: 16736, Start Num: 3
Candidate Starts for IAmGroot_17:
(Start: 3 @14067 has 4 MA's), (8, 14142), (11, 14178), (21, 14349), (29, 14379), (41, 14475), (49, 14529), (80, 14718), (81, 14727), (116, 14982), (137, 15216), (141, 15273), (150, 15360), (157, 15420), (158, 15426), (180, 15711), (188, 15756), (199, 15828), (218, 15972), (225, 16011), (249, 16122), (251, 16137), (253, 16155), (318, 16494), (351, 16653), (353, 16674),

Gene: IndyLu_18 Start: 13944, Stop: 15914, Start Num: 75
Candidate Starts for IndyLu_18:
(Start: 75 @13944 has 56 MA's), (95, 14037), (108, 14133), (112, 14157), (116, 14190), (120, 14241), (131, 14364), (133, 14376), (163, 14682), (165, 14715), (167, 14724), (187, 14943), (211, 15099), (212, 15120), (227, 15204), (246, 15294), (254, 15339), (288, 15504), (315, 15663), (319, 15687), (336, 15750), (341, 15783), (353, 15888),

Gene: Jabb_18 Start: 14012, Stop: 15982, Start Num: 75
Candidate Starts for Jabb_18:
(Start: 75 @14012 has 56 MA's), (108, 14201), (110, 14216), (116, 14258), (120, 14309), (121, 14312), (131, 14432), (163, 14750), (165, 14783), (194, 15053), (227, 15272), (235, 15311), (251, 15386), (260, 15428), (304, 15656), (315, 15731), (321, 15761), (341, 15851), (342, 15860), (350, 15914), (353, 15956),

Gene: Johnathan_18 Start: 13999, Stop: 15969, Start Num: 75
Candidate Starts for Johnathan_18:
(Start: 75 @13999 has 56 MA's), (108, 14188), (116, 14245), (121, 14299), (123, 14320), (131, 14419), (133, 14431), (143, 14542), (161, 14731), (163, 14737), (165, 14770), (187, 14998), (194, 15040), (246, 15349), (254, 15394), (304, 15643), (315, 15718), (323, 15757), (326, 15763), (336, 15805), (342, 15847), (350, 15901), (353, 15943),

Gene: Jovita_18 Start: 14074, Stop: 16047, Start Num: 75
Candidate Starts for Jovita_18:
(Start: 75 @14074 has 56 MA's), (108, 14263), (110, 14278), (113, 14290), (116, 14320), (120, 14371), (131, 14494), (163, 14812), (165, 14845), (187, 15073), (194, 15115), (211, 15229), (212, 15250), (227, 15334), (261, 15499), (315, 15796), (326, 15841), (332, 15868), (341, 15916), (342, 15925), (350, 15979), (353, 16021),

Gene: Karate_30 Start: 18091, Stop: 20484, Start Num: 6
Candidate Starts for Karate_30:
(4, 18049), (Start: 6 @18091 has 2 MA's), (16, 18280), (19, 18301), (20, 18307), (27, 18340), (28, 18346), (43, 18466), (55, 18532), (57, 18556), (64, 18583), (68, 18625), (72, 18652), (Start: 75 @18670 has 56 MA's), (77, 18676), (99, 18808), (106, 18871), (118, 18994), (121, 19003), (127, 19105), (131, 19132), (148, 19321), (161, 19456), (167, 19504), (176, 19651), (180, 19681), (182, 19690), (186, 19717), (188, 19726), (196, 19780), (201, 19807), (209, 19861), (213, 19912), (217, 19927), (223, 19960), (226, 19975), (258, 20113), (266, 20158), (292, 20287), (329, 20464),

Gene: Kate33_18 Start: 13943, Stop: 15916, Start Num: 75
Candidate Starts for Kate33_18:

(Start: 75 @13943 has 56 MA's), (95, 14036), (108, 14132), (112, 14156), (116, 14189), (120, 14240), (131, 14363), (133, 14375), (163, 14681), (165, 14714), (167, 14723), (181, 14906), (187, 14942), (194, 14984), (211, 15098), (212, 15119), (227, 15203), (246, 15296), (251, 15320), (254, 15341), (264, 15380), (288, 15506), (315, 15665), (319, 15689), (336, 15752), (341, 15785), (352, 15884), (353, 15890),

Gene: Katzastrophic_17 Start: 13520, Stop: 15796, Start Num: 5
Candidate Starts for Katzastrophic_17:
(Start: 5 @13520 has 4 MA's), (10, 13586), (14, 13649), (23, 13772), (30, 13805), (34, 13847), (45, 13910), (60, 13976), (61, 13982), (81, 14102), (93, 14159), (100, 14219), (103, 14237), (107, 14264), (116, 14336), (120, 14387), (122, 14399), (131, 14510), (133, 14522), (152, 14708), (156, 14750), (162, 14825), (164, 14831), (167, 14870), (172, 14957), (180, 15047), (189, 15095), (193, 15122), (197, 15158), (207, 15212), (217, 15293), (221, 15308), (232, 15377), (261, 15500), (272, 15536), (273, 15545), (283, 15605), (292, 15632),

Gene: Lahqtemish_18 Start: 13989, Stop: 15962, Start Num: 75
Candidate Starts for Lahqtemish_18:
(Start: 75 @13989 has 56 MA's), (112, 14202), (116, 14235), (120, 14286), (131, 14409), (133, 14421), (163, 14727), (165, 14760), (167, 14769), (187, 14988), (194, 15030), (212, 15165), (227, 15249), (246, 15342), (251, 15366), (254, 15387), (264, 15426), (288, 15552), (315, 15711), (319, 15735), (340, 15828), (341, 15831), (353, 15936),

Gene: Lilo27_18 Start: 13946, Stop: 15919, Start Num: 75
Candidate Starts for Lilo27_18:
(Start: 75 @13946 has 56 MA's), (108, 14135), (110, 14150), (116, 14192), (120, 14243), (121, 14246), (130, 14363), (131, 14366), (163, 14684), (165, 14717), (187, 14945), (211, 15101), (212, 15122), (227, 15206), (261, 15371), (262, 15377), (304, 15593), (315, 15668), (332, 15740), (341, 15788), (342, 15797), (350, 15851), (353, 15893),

Gene: LimaBean_18 Start: 13998, Stop: 15968, Start Num: 75
Candidate Starts for LimaBean_18:
(Start: 75 @13998 has 56 MA's), (116, 14244), (121, 14298), (126, 14361), (131, 14418), (133, 14430), (163, 14736), (165, 14769), (177, 14931), (187, 14997), (194, 15039), (204, 15096), (227, 15258), (230, 15270), (249, 15357), (251, 15372), (304, 15642), (309, 15672), (315, 15717), (321, 15747), (336, 15804), (341, 15837), (352, 15936), (353, 15942),

Gene: MsUbiquitous_18 Start: 14012, Stop: 15982, Start Num: 75
Candidate Starts for MsUbiquitous_18:
(Start: 75 @14012 has 56 MA's), (108, 14201), (110, 14216), (116, 14258), (120, 14309), (121, 14312), (131, 14432), (163, 14750), (165, 14783), (194, 15053), (227, 15272), (235, 15311), (251, 15386), (260, 15428), (304, 15656), (315, 15731), (321, 15761), (341, 15851), (342, 15860), (350, 15914), (353, 15956),

Gene: Nicky22_19 Start: 14417, Stop: 16390, Start Num: 75
Candidate Starts for Nicky22_19:
(Start: 75 @14417 has 56 MA's), (108, 14606), (110, 14621), (116, 14663), (120, 14714), (121, 14717), (130, 14834), (131, 14837), (163, 15155), (165, 15188), (187, 15416), (194, 15458), (212, 15593), (227, 15677), (261, 15842), (262, 15848), (288, 15980), (315, 16139), (326, 16184), (332, 16211), (341, 16259), (342, 16268), (350, 16322), (353, 16364),

Gene: Olliecat_17 Start: 13859, Stop: 15553, Start Num: 75
Candidate Starts for Olliecat_17:

(49, 13682), (Start: 75 @13859 has 56 MA's), (81, 13880), (83, 13889), (108, 14048), (116, 14087), (120, 14138), (122, 14150), (123, 14162), (124, 14165), (131, 14261), (132, 14270), (133, 14273), (142, 14372), (163, 14579), (170, 14678), (175, 14759), (177, 14774), (187, 14840), (202, 14927), (207, 14963), (229, 15110), (242, 15158), (250, 15215), (257, 15242), (265, 15281), (267, 15287), (270, 15290), (290, 15398), (302, 15458), (305, 15488), (307, 15500), (312, 15527),

Gene: PastaFagioli_18 Start: 13977, Stop: 15950, Start Num: 75
Candidate Starts for PastaFagioli_18:
(Start: 75 @13977 has 56 MA's), (95, 14070), (112, 14190), (116, 14223), (120, 14274), (131, 14397), (133, 14409), (163, 14715), (165, 14748), (167, 14757), (187, 14976), (194, 15018), (212, 15153), (227, 15237), (246, 15330), (254, 15375), (264, 15414), (304, 15624), (309, 15654), (315, 15699), (319, 15723), (341, 15819), (353, 15924),

Gene: Pecas_18 Start: 13973, Stop: 15943, Start Num: 75
Candidate Starts for Pecas_18:
(Start: 75 @13973 has 56 MA's), (108, 14162), (110, 14177), (113, 14189), (116, 14219), (120, 14270), (131, 14393), (163, 14711), (165, 14744), (187, 14972), (211, 15128), (212, 15149), (227, 15233), (235, 15272), (251, 15347), (260, 15389), (315, 15692), (326, 15737), (332, 15764), (341, 15812), (342, 15821), (350, 15875), (353, 15917),

Gene: PhigPhack_19 Start: 13972, Stop: 15942, Start Num: 75
Candidate Starts for PhigPhack_19:
(Start: 75 @13972 has 56 MA's), (108, 14161), (116, 14218), (121, 14272), (123, 14293), (131, 14392), (133, 14404), (163, 14710), (165, 14743), (194, 15013), (251, 15346), (260, 15388), (288, 15532), (304, 15616), (315, 15691), (319, 15715), (326, 15736), (335, 15775), (341, 15811), (347, 15850), (350, 15874), (353, 15916),

Gene: Phisb_18 Start: 13986, Stop: 15956, Start Num: 75
Candidate Starts for Phisb_18:
(Start: 75 @13986 has 56 MA's), (108, 14175), (110, 14190), (116, 14232), (120, 14283), (121, 14286), (130, 14403), (131, 14406), (163, 14724), (165, 14757), (187, 14985), (194, 15027), (212, 15162), (227, 15246), (235, 15285), (251, 15360), (260, 15402), (304, 15630), (315, 15705), (326, 15750), (341, 15825), (342, 15834), (350, 15888), (353, 15930),

Gene: Poultress_30 Start: 18442, Stop: 20820, Start Num: 6
Candidate Starts for Poultress_30:
(Start: 6 @18442 has 2 MA's), (17, 18637), (36, 18751), (42, 18808), (55, 18880), (70, 18994), (71, 18997), (Start: 75 @19018 has 56 MA's), (77, 19024), (99, 19156), (106, 19219), (118, 19342), (119, 19345), (121, 19351), (127, 19453), (131, 19480), (133, 19492), (145, 19633), (154, 19702), (161, 19804), (167, 19852), (171, 19936), (176, 19999), (180, 20029), (182, 20038), (186, 20065), (188, 20074), (196, 20128), (201, 20155), (213, 20260), (216, 20272), (217, 20275), (226, 20311), (237, 20359), (266, 20494), (292, 20623), (313, 20728), (324, 20788), (329, 20800),

Gene: QMacho_19 Start: 14456, Stop: 16426, Start Num: 75
Candidate Starts for QMacho_19:
(Start: 75 @14456 has 56 MA's), (108, 14645), (110, 14660), (113, 14672), (116, 14702), (120, 14753), (131, 14876), (163, 15194), (165, 15227), (187, 15455), (211, 15611), (212, 15632), (227, 15716), (235, 15755), (251, 15830), (260, 15872), (315, 16175), (326, 16220), (332, 16247), (341, 16295), (342, 16304), (350, 16358), (353, 16400),

Gene: Rollins_17 Start: 12526, Stop: 14229, Start Num: 75
Candidate Starts for Rollins_17:

(Start: 75 @12526 has 56 MA's), (85, 12574), (95, 12619), (113, 12742), (116, 12772), (131, 12946), (133, 12958), (163, 13264), (164, 13267), (172, 13393), (175, 13444), (180, 13483), (183, 13495), (187, 13525), (189, 13531), (194, 13567), (260, 13933), (278, 14023), (318, 14203), (319, 14206),

Gene: SansAfet_18 Start: 13906, Stop: 15876, Start Num: 75
Candidate Starts for SansAfet_18:
(Start: 75 @13906 has 56 MA's), (108, 14095), (116, 14152), (121, 14206), (123, 14227), (131, 14326), (140, 14404), (163, 14644), (187, 14905), (194, 14947), (204, 15004), (251, 15280), (260, 15322), (315, 15625), (319, 15649), (326, 15670), (335, 15709), (341, 15745), (347, 15784), (350, 15808), (353, 15850),

Gene: SarBear_18 Start: 13951, Stop: 15924, Start Num: 75
Candidate Starts for SarBear_18:
(Start: 75 @13951 has 56 MA's), (108, 14140), (110, 14155), (116, 14197), (120, 14248), (121, 14251), (131, 14371), (163, 14689), (165, 14722), (194, 14992), (212, 15127), (227, 15211), (231, 15241), (262, 15382), (304, 15598), (315, 15673), (321, 15703), (341, 15793), (342, 15802), (350, 15856), (353, 15898),

Gene: SirBeanington_18 Start: 13993, Stop: 15963, Start Num: 75
Candidate Starts for SirBeanington_18:
(Start: 75 @13993 has 56 MA's), (108, 14182), (110, 14197), (116, 14239), (120, 14290), (130, 14410), (131, 14413), (163, 14731), (165, 14764), (187, 14992), (194, 15034), (212, 15169), (227, 15253), (235, 15292), (251, 15367), (260, 15409), (304, 15637), (315, 15712), (326, 15757), (341, 15832), (342, 15841), (350, 15895), (353, 15937),

Gene: Skylord_17 Start: 12466, Stop: 14169, Start Num: 75
Candidate Starts for Skylord_17:
(Start: 75 @12466 has 56 MA's), (85, 12514), (95, 12559), (113, 12682), (116, 12712), (131, 12886), (163, 13204), (164, 13207), (172, 13333), (175, 13384), (180, 13423), (183, 13435), (187, 13465), (189, 13471), (191, 13489), (194, 13507), (215, 13654), (217, 13669), (219, 13678), (226, 13717), (260, 13873), (278, 13963), (318, 14143), (319, 14146),

Gene: Slay_18 Start: 14493, Stop: 16466, Start Num: 75
Candidate Starts for Slay_18:
(Start: 75 @14493 has 56 MA's), (108, 14682), (110, 14697), (116, 14739), (120, 14790), (121, 14793), (131, 14913), (163, 15231), (165, 15264), (187, 15492), (194, 15534), (197, 15561), (212, 15669), (227, 15753), (231, 15783), (262, 15924), (304, 16140), (315, 16215), (321, 16245), (341, 16335), (342, 16344), (350, 16398), (353, 16440),

Gene: Softsoap_17 Start: 13727, Stop: 15697, Start Num: 75
Candidate Starts for Softsoap_17:
(Start: 75 @13727 has 56 MA's), (108, 13916), (110, 13931), (116, 13973), (120, 14024), (130, 14144), (131, 14147), (163, 14465), (165, 14498), (187, 14726), (194, 14768), (212, 14903), (227, 14987), (235, 15026), (251, 15101), (260, 15143), (304, 15371), (315, 15446), (326, 15491), (341, 15566), (342, 15575), (350, 15629), (353, 15671),

Gene: Squircle_17 Start: 13858, Stop: 15552, Start Num: 75
Candidate Starts for Squircle_17:
(49, 13681), (Start: 75 @13858 has 56 MA's), (81, 13879), (83, 13888), (108, 14047), (116, 14086), (120, 14137), (122, 14149), (123, 14161), (124, 14164), (131, 14260), (132, 14269), (133, 14272), (142, 14371), (163, 14578), (170, 14677), (175, 14758), (177, 14773), (187, 14839), (202, 14926), (207, 14962), (229, 15109), (242, 15157), (250, 15214), (257, 15241), (265, 15280), (267, 15286), (270, 15289), (290, 15397), (302, 15457), (305, 15487), (307, 15499), (312, 15526),

Gene: Swervy_18 Start: 13951, Stop: 15924, Start Num: 75
Candidate Starts for Swervy_18:
(Start: 75 @13951 has 56 MA's), (108, 14140), (110, 14155), (116, 14197), (120, 14248), (121, 14251), (131, 14371), (163, 14689), (165, 14722), (194, 14992), (212, 15127), (227, 15211), (231, 15241), (262, 15382), (304, 15598), (315, 15673), (321, 15703), (341, 15793), (342, 15802), (350, 15856), (353, 15898),

Gene: TukTuk_18 Start: 14009, Stop: 15982, Start Num: 75
Candidate Starts for TukTuk_18:
(Start: 75 @14009 has 56 MA's), (108, 14198), (110, 14213), (113, 14225), (116, 14255), (120, 14306), (130, 14426), (131, 14429), (163, 14747), (165, 14780), (187, 15008), (194, 15050), (211, 15164), (212, 15185), (227, 15269), (231, 15299), (315, 15731), (326, 15776), (332, 15803), (341, 15851), (342, 15860), (350, 15914), (353, 15956),

Gene: UtzChips_16 Start: 13138, Stop: 15648, Start Num: 3
Candidate Starts for UtzChips_16:
(1, 13102), (Start: 3 @13138 has 4 MA's), (38, 13528), (59, 13672), (65, 13705), (90, 13855), (108, 13978), (116, 14050), (123, 14125), (157, 14488), (158, 14494), (166, 14596), (180, 14779), (184, 14803), (351, 15565), (353, 15586), (354, 15598),

Gene: Vitas_17 Start: 12466, Stop: 14169, Start Num: 75
Candidate Starts for Vitas_17:
(Start: 75 @12466 has 56 MA's), (85, 12514), (95, 12559), (113, 12682), (116, 12712), (131, 12886), (133, 12898), (163, 13204), (164, 13207), (172, 13333), (175, 13384), (180, 13423), (183, 13435), (187, 13465), (189, 13471), (194, 13507), (261, 13879), (278, 13963), (318, 14143), (319, 14146),

Gene: Zeta1847_16 Start: 13524, Stop: 16088, Start Num: 2
Candidate Starts for Zeta1847_16:
(Start: 2 @13524 has 1 MA's), (9, 13632), (12, 13683), (36, 13923), (69, 14172), (74, 14187), (76, 14199), (81, 14217), (105, 14394), (131, 14664), (138, 14733), (149, 14844), (158, 14916), (163, 14982), (173, 15132), (236, 15552), (281, 15765), (285, 15792), (317, 15969),