

Zoomed Pham 197939

1	Walt_Veg_28	30 680	104	120	200	21	200	416
2	Walt_Veg_29 +	30 680	104	120	200	21	200	416
3	Say_Wicket_30	30 680	104	120	200	21	200	416
4	Big_W_30	30 680	104	120	200	21	200	416
5	Lily_Coobe_31	30 680	104	120	200	21	200	416
6	Lily_Coobe_32	30 680	104	120	200	21	200	416
7	Key_30	30 680	104	120	200	21	200	416
8	Key_31	30 680	104	120	200	21	200	416
9	Key_32	30 680	104	120	200	21	200	416
10	Key_33	30 680	104	120	200	21	200	416
11	Key_34	30 680	104	120	200	21	200	416
12	Key_35	30 680	104	120	200	21	200	416
13	Key_36	30 680	104	120	200	21	200	416
14	Key_37	30 680	104	120	200	21	200	416
15	Key_38	30 680	104	120	200	21	200	416
16	Key_39	30 680	104	120	200	21	200	416
17	Key_40	30 680	104	120	200	21	200	416
18	Key_41	30 680	104	120	200	21	200	416
19	Key_42	30 680	104	120	200	21	200	416
20	Key_43	30 680	104	120	200	21	200	416
21	Key_44	30 680	104	120	200	21	200	416
22	Key_45	30 680	104	120	200	21	200	416
23	Key_46	30 680	104	120	200	21	200	416
24	Key_47	30 680	104	120	200	21	200	416
25	Key_48	30 680	104	120	200	21	200	416
26	Key_49	30 680	104	120	200	21	200	416
27	Key_50	30 680	104	120	200	21	200	416
28	Key_51	30 680	104	120	200	21	200	416
29	Key_52	30 680	104	120	200	21	200	416
30	Key_53	30 680	104	120	200	21	200	416
31	Key_54	30 680	104	120	200	21	200	416
32	Key_55	30 680	104	120	200	21	200	416
33	Key_56	30 680	104	120	200	21	200	416
34	Key_57	30 680	104	120	200	21	200	416
35	Key_58	30 680	104	120	200	21	200	416
36	Key_59	30 680	104	120	200	21	200	416
37	Key_60	30 680	104	120	200	21	200	416
38	Key_61	30 680	104	120	200	21	200	416
39	Key_62	30 680	104	120	200	21	200	416
40	Key_63	30 680	104	120	200	21	200	416
41	Key_64	30 680	104	120	200	21	200	416
42	Key_65	30 680	104	120	200	21	200	416
43	Key_66	30 680	104	120	200	21	200	416
44	Key_67	30 680	104	120	200	21	200	416
45	Key_68	30 680	104	120	200	21	200	416
46	Key_69	30 680	104	120	200	21	200	416
47	Key_70	30 680	104	120	200	21	200	416
48	Key_71	30 680	104	120	200	21	200	416
49	Key_72	30 680	104	120	200	21	200	416
50	Key_73	30 680	104	120	200	21	200	416

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 197939 Report

This analysis was run 01/18/25 on database version 583.

Pham number 197939 has 116 members, 18 are drafts.

Phages represented in each track:

- Track 1 : VanDeWege_32
- Track 2 : Togo_29, Portcullis_29, SmokingBunny_29, Shinji_29
- Track 3 : Savbucketdawg_29, Jambalaya_29, PinkCoffee_31, CoveyB_32
- Track 4 : Gezellig_30, Halo3_30, ClamChowder_31, PullumCavea_29, KimmyK_31, Fugax_31, Barb_31, Salvador_29, Phlop_29, Evamon_29, Wizard_29, Twister6_31, Arri_32, Danyall_31
- Track 5 : TillyBobJoe_29
- Track 6 : YungMoney_31
- Track 7 : Fireball_30
- Track 8 : RogerDodger_32
- Track 9 : Nubi_29
- Track 10 : Valary_32, CherryCola_33
- Track 11 : Bakery_30
- Track 12 : Mutzi_31
- Track 13 : Clown_33
- Track 14 : Belphegor_31
- Track 15 : Nordenberg_27
- Track 16 : ChadMasterC_33
- Track 17 : LilHam_30, Ashertheman_33, SchottB_31, Baumdotcom_32
- Track 18 : Bizzy_33
- Track 19 : Brandonk123_34
- Track 20 : Shivanishola_34
- Track 21 : Lennon_33, Sitar_33
- Track 22 : Geodirt_30
- Track 23 : Love_36
- Track 24 : RiverRaider_33
- Track 25 : Gaea_32
- Track 26 : McKinley_35
- Track 27 : BobBob_30, Tangent_33
- Track 28 : Kewpiedoll_32
- Track 29 : Fosterous_31
- Track 30 : Fitzgerald_31
- Track 31 : FuegoCuervo_35
- Track 32 : Ribeye_33, Derg_30, Baddon_32
- Track 33 : YorkOnyx_33
- Track 34 : Saronaya_32, Gustavo_32
- Track 35 : Sedona_33, Keitabear_33

- Track 36 : Galadriel_33
- Track 37 : Charming_33
- Track 38 : Barsten_33
- Track 39 : Flatwoods_33
- Track 40 : Tangerine_32
- Track 41 : Kamashten_32, Thing3_32
- Track 42 : Affeca_31, Angelicage_31
- Track 43 : Rofo_33, Paries_35
- Track 44 : JKSyngboy_30
- Track 45 : Jabberwocky_31, Sanjuju_31
- Track 46 : Kroos_33
- Track 47 : Kwobi_33
- Track 48 : Stultus_31
- Track 49 : MoontowerMania_32
- Track 50 : Ailee_31
- Track 51 : Bibwit_32
- Track 52 : Tycho_32
- Track 53 : Vivi2_35
- Track 54 : StorminNorm_32
- Track 55 : Leonard_31, Phinally_31
- Track 56 : Inspectinfecti_32
- Track 57 : EMOore_29
- Track 58 : Hans_33, Phauci_24
- Track 59 : Ali17_29
- Track 60 : MelBins_32
- Track 61 : Kwekel_30
- Track 62 : Twonlo_28, Chickadee_30, Tiamoceli_31
- Track 63 : GTE6_30
- Track 64 : RoadKill_28
- Track 65 : Dxdert_31
- Track 66 : EdmundFerry_29
- Track 67 : Scioto_33, Natkenzie_33, Abblin_33, Sampson_33
- Track 68 : DoctorFroggo_32, Verity_32, Delrey21_32
- Track 69 : ViaConlectus_33, APunk_34
- Track 70 : Zipp_32
- Track 71 : Tardus_34
- Track 72 : Zitch_34
- Track 73 : Lilbeanie_28

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

The start number called the most often in the published annotations is 9, it was called in 61 of the 98 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- APunk_34, Abblin_33, Affeca_31, Ailee_31, Angelicage_31, Ashertheman_33, Baddon_32, Barsten_33, Baumdotcom_32, Bibwit_32, Bizzy_33, BobBob_30, Brandonk123_34, ChadMasterC_33, Charming_33, Chickadee_30, Delrey21_32, Derg_30, Dxdert_31, DoctorFroggo_32, EdmundFerry_29, Fitzgerald_31, Flatwoods_33, Fosterous_31, FuegoCuervo_35, GTE6_30, Gaea_32, Galadriel_33,

Geodirt_30, Gustavo_32, JKSyngboy_30, Jabberwocky_31, Kamashten_32, Keitabear_33, Kewpiedoll_32, Kroos_33, Kwekel_30, Kwobi_33, Lennon_33, LilHam_30, Lilbeanie_28, Love_36, McKinley_35, MoontowerMania_32, Natkenzie_33, Nordenberg_27, Paries_35, Ribeye_33, RiverRaider_33, RoadKill_28, Rofo_33, Sampson_33, Sanjuju_31, Saronaya_32, SchottB_31, Scioto_33, Sedona_33, Shivanishola_34, Sitar_33, StorminNorm_32, Stultus_31, Tangent_33, Tangerine_32, Tardus_34, Thing3_32, Tiamoceli_31, Twonlo_28, Tycho_32, Verity_32, ViaConlectus_33, Vivi2_35, YorkOnyx_33, Zipp_32, Zitch_34,

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

-

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

- Ali17_29, Arri_32, Bakery_30, Barb_31, Belphegor_31, CherryCola_33, ClamChowder_31, Clown_33, CoveyB_32, Danyall_31, EMOore_29, Evamon_29, Fireball_30, Fugax_31, Gezellig_30, Halo3_30, Hans_33, Inspectinfecti_32, Jambalaya_29, KimmyK_31, Leonard_31, MelBins_32, Mutzi_31, Nubi_29, Phauci_24, Phinally_31, Phlop_29, PinkCoffee_31, Portcullis_29, PullumCavea_29, RogerDodger_32, Salvador_29, Savbucketdawg_29, Shinji_29, SmokingBunny_29, TillyBobJoe_29, Togo_29, Twister6_31, Valary_32, VanDeWege_32, Wizard_29, YungMoney_31,

Summary by start number:

Start 1:

- Found in 33 of 116 (28.4%) of genes in pham
- Manual Annotations of this start: 29 of 98
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arri_32 (DC1), Bakery_30 (DC1), Barb_31 (DC1), CherryCola_33 (DC1), ClamChowder_31 (DC1), Clown_33 (DC2), CoveyB_32 (DC1), Danyall_31 (DC1), Evamon_29 (DC1), Fireball_30 (DC1), Fugax_31 (DC1), Gezellig_30 (DC1), Halo3_30 (DC1), Jambalaya_29 (DC1), KimmyK_31 (DC1), Mutzi_31 (DC1), Nubi_29 (DC1), Phlop_29 (DC1), PinkCoffee_31 (DC1), Portcullis_29 (DC1), PullumCavea_29 (DC1), RogerDodger_32 (DC1), Salvador_29 (DC1), Savbucketdawg_29 (DC1), Shinji_29 (DC1), SmokingBunny_29 (DC1), TillyBobJoe_29 (DC1), Togo_29 (DC1), Twister6_31 (DC1), Valary_32 (DC1), VanDeWege_32 (DC1), Wizard_29 (DC1), YungMoney_31 (DC1),

Start 9:

- Found in 74 of 116 (63.8%) of genes in pham
- Manual Annotations of this start: 61 of 98
- Called 100.0% of time when present
- Phage (with cluster) where this start called: APunk_34 (DE4), Abblin_33 (DE4), Affeca_31 (DE1), Ailee_31 (DE1), Angelicage_31 (DE1), Ashertheman_33 (DE1), Baddon_32 (DE1), Barsten_33 (DE1), Baumdotcom_32 (DE1), Bibwit_32 (DE1), Bizzy_33 (DE1), BobBob_30 (DE1), Brandonk123_34 (DE1), ChadMasterC_33 (DE1), Charming_33 (DE1), Chickadee_30 (DE3), Delrey21_32 (DE4), Derg_30 (DE1), Dextert_31 (DE3), DoctorFroggo_32 (DE4), EdmundFerry_29 (DE3), Fitzgerald_31 (DE1), Flatwoods_33 (DE1), Fosterous_31 (DE1), FuegoCuervo_35 (DE1), GTE6_30 (DE3), Gaea_32 (DE1), Galadriel_33 (DE1), Geodirt_30 (DE1), Gustavo_32 (DE1), JKSyngboy_30 (DE1), Jabberwocky_31 (DE1), Kamashten_32 (DE1), Keitabear_33 (DE1), Kewpiedoll_32 (DE1), Kroos_33 (DE1), Kwekel_30 (DE3), Kwobi_33 (DE1), Lennon_33 (DE1), LilHam_30 (DE1), Lilbeanie_28 (DE5),

Love_36 (DE1), McKinley_35 (DE1), MoontowerMania_32 (DE1), Natkenzie_33 (DE4), Nordenberg_27 (DE1), Paries_35 (DE1), Ribeye_33 (DE1), RiverRaider_33 (DE1), RoadKill_28 (DE3), Rofo_33 (DE1), Sampson_33 (DE4), Sanjuju_31 (DE1), Saronaya_32 (DE1), SchottB_31 (DE1), Scioto_33 (DE4), Sedona_33 (DE1), Shivanishola_34 (DE1), Sitar_33 (DE1), StorminNorm_32 (DE1), Stultus_31 (DE1), Tangent_33 (DE1), Tangerine_32 (DE1), Tardus_34 (DE4), Thing3_32 (DE1), Tiamoceli_31 (DE3), Twonlo_28 (DE3), Tycho_32 (DE1), Verity_32 (DE4), ViaConlectus_33 (DE4), Vivi2_35 (DE1), YorkOnyx_33 (DE1), Zipp_32 (DE4), Zitch_34 (DE4),

Start 10:

- Found in 9 of 116 (7.8%) of genes in pham
- Manual Annotations of this start: 8 of 98
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ali17_29 (DE2), Belphegor_31 (DE), EMOore_29 (DE2), Hans_33 (DE2), Inspectinfecti_32 (DE2), Leonard_31 (DE2), MelBins_32 (DE2), Phauci_24 (DE2), Phinally_31 (DE2),

Summary by clusters:

There are 8 clusters represented in this pham: DE, DE1, DE2, DE3, DE4, DE5, DC2, DC1,

Info for manual annotations of cluster DC1:

- Start number 1 was manually annotated 28 times for cluster DC1.

Info for manual annotations of cluster DC2:

- Start number 1 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DE1:

- Start number 9 was manually annotated 44 times for cluster DE1.

Info for manual annotations of cluster DE2:

- Start number 10 was manually annotated 8 times for cluster DE2.

Info for manual annotations of cluster DE3:

- Start number 9 was manually annotated 7 times for cluster DE3.

Info for manual annotations of cluster DE4:

- Start number 9 was manually annotated 9 times for cluster DE4.

Info for manual annotations of cluster DE5:

- Start number 9 was manually annotated 1 time for cluster DE5.

Gene Information:

Gene: APunk_34 Start: 24307, Stop: 29232, Start Num: 9

Candidate Starts for APunk_34:

(Start: 9 @24307 has 61 MA's), (19, 24427), (20, 24439), (25, 24481), (27, 24505), (34, 24571), (35, 24580), (43, 24652), (48, 24685), (54, 24754), (56, 24763), (60, 24781), (70, 24847), (73, 24862), (77,

24871), (84, 24934), (86, 24940), (91, 24967), (96, 24997), (98, 25006), (107, 25069), (109, 25081), (115, 25168), (118, 25180), (125, 25303), (127, 25327), (128, 25345), (129, 25357), (135, 25417), (136, 25423), (138, 25435), (145, 25546), (146, 25582), (147, 25621), (148, 25633), (151, 25675), (153, 25705), (156, 25747), (157, 25756), (158, 25759), (160, 25789), (161, 25822), (170, 25915), (173, 25936), (177, 25951), (184, 26038), (186, 26059), (187, 26080), (189, 26134), (192, 26167), (195, 26218), (202, 26266), (203, 26275), (207, 26335), (208, 26347), (210, 26368), (212, 26374), (224, 26416), (225, 26422), (227, 26437), (228, 26443), (235, 26524), (236, 26527), (238, 26548), (242, 26602), (246, 26665), (254, 26722), (268, 26809), (277, 26875), (301, 26932), (302, 26935), (305, 26959), (316, 27049), (322, 27097), (353, 27325), (356, 27343), (359, 27400), (369, 27490), (374, 27553), (386, 27634), (388, 27661), (393, 27733), (394, 27742), (398, 27802), (406, 27913), (418, 28141), (420, 28150), (423, 28177), (426, 28219), (428, 28279), (436, 28441), (437, 28468), (440, 28540), (441, 28579), (458, 28786), (464, 28858), (472, 28924), (486, 29059), (490, 29122), (491, 29125), (493, 29143), (495, 29158), (500, 29185), (502, 29197),

Gene: Abblin_33 Start: 24850, Stop: 29775, Start Num: 9

Candidate Starts for Abblin_33:

(Start: 9 @24850 has 61 MA's), (19, 24970), (20, 24982), (25, 25024), (27, 25048), (34, 25114), (35, 25123), (41, 25168), (43, 25195), (54, 25297), (56, 25306), (60, 25324), (70, 25390), (73, 25405), (77, 25414), (84, 25477), (86, 25483), (91, 25510), (96, 25540), (98, 25549), (105, 25597), (107, 25612), (109, 25624), (115, 25711), (118, 25723), (125, 25846), (127, 25870), (128, 25888), (135, 25960), (136, 25966), (138, 25978), (145, 26089), (146, 26125), (147, 26164), (148, 26176), (151, 26218), (153, 26248), (156, 26290), (157, 26299), (158, 26302), (160, 26332), (161, 26365), (170, 26458), (177, 26494), (181, 26551), (184, 26581), (187, 26623), (189, 26677), (190, 26683), (192, 26710), (195, 26761), (201, 26797), (202, 26809), (203, 26818), (207, 26878), (208, 26890), (210, 26911), (212, 26917), (224, 26959), (225, 26965), (227, 26980), (228, 26986), (231, 27031), (235, 27067), (236, 27070), (242, 27145), (246, 27208), (254, 27265), (267, 27346), (274, 27397), (292, 27454), (301, 27475), (302, 27478), (305, 27502), (322, 27640), (326, 27661), (353, 27868), (356, 27886), (359, 27943), (369, 28033), (374, 28096), (386, 28177), (388, 28204), (393, 28276), (394, 28285), (398, 28345), (406, 28456), (418, 28687), (420, 28696), (423, 28723), (426, 28765), (436, 28984), (437, 29011), (440, 29083), (441, 29122), (458, 29329), (464, 29401), (472, 29467), (486, 29602), (490, 29665), (491, 29668), (493, 29686), (495, 29701), (500, 29728), (502, 29740),

Gene: Affeca_31 Start: 24649, Stop: 29682, Start Num: 9

Candidate Starts for Affeca_31:

(Start: 9 @24649 has 61 MA's), (25, 24823), (27, 24847), (29, 24856), (31, 24889), (32, 24907), (35, 24922), (47, 25021), (54, 25096), (55, 25102), (56, 25105), (64, 25162), (65, 25180), (67, 25189), (69, 25204), (97, 25369), (101, 25387), (102, 25399), (107, 25438), (120, 25579), (123, 25639), (125, 25672), (128, 25714), (135, 25786), (137, 25801), (138, 25804), (145, 25915), (146, 25951), (148, 26002), (151, 26044), (153, 26074), (157, 26125), (160, 26158), (161, 26191), (162, 26203), (170, 26284), (173, 26305), (176, 26317), (185, 26413), (186, 26428), (187, 26449), (188, 26500), (190, 26509), (195, 26587), (202, 26635), (203, 26644), (207, 26704), (213, 26749), (216, 26758), (224, 26785), (228, 26812), (230, 26833), (233, 26869), (240, 26935), (242, 26971), (247, 27058), (248, 27061), (252, 27088), (262, 27139), (265, 27145), (283, 27271), (301, 27346), (305, 27373), (311, 27406), (317, 27469), (324, 27523), (330, 27586), (345, 27697), (351, 27724), (352, 27730), (362, 27832), (369, 27898), (372, 27925), (376, 27952), (380, 27991), (383, 28015), (388, 28057), (393, 28129), (394, 28138), (398, 28198), (401, 28243), (420, 28558), (421, 28564), (422, 28582), (429, 28678), (433, 28783), (439, 28882), (451, 29026), (454, 29101), (456, 29113), (460, 29197), (497, 29536), (504, 29575), (505, 29581), (508, 29587), (512, 29614), (515, 29650), (517, 29662),

Gene: Ailee_31 Start: 25358, Stop: 30172, Start Num: 9

Candidate Starts for Ailee_31:

(Start: 9 @25358 has 61 MA's), (25, 25532), (27, 25556), (59, 25694), (69, 25733), (71, 25739), (74, 25751), (78, 25769), (82, 25781), (83, 25808), (87, 25826), (90, 25838), (107, 25937), (120, 26078),

(123, 26138), (125, 26171), (128, 26213), (135, 26285), (137, 26300), (138, 26303), (145, 26414), (146, 26450), (148, 26501), (151, 26543), (153, 26573), (157, 26624), (160, 26657), (161, 26690), (162, 26702), (170, 26783), (173, 26804), (176, 26816), (185, 26912), (186, 26927), (187, 26948), (188, 26999), (190, 27008), (195, 27086), (202, 27134), (203, 27143), (212, 27242), (213, 27248), (215, 27254), (216, 27257), (228, 27311), (230, 27332), (232, 27362), (233, 27368), (236, 27395), (254, 27590), (256, 27623), (262, 27638), (265, 27644), (272, 27689), (273, 27698), (275, 27713), (277, 27731), (283, 27770), (284, 27776), (301, 27845), (305, 27872), (311, 27905), (317, 27968), (324, 28022), (351, 28223), (352, 28229), (362, 28331), (364, 28343), (369, 28397), (372, 28424), (376, 28451), (380, 28490), (386, 28529), (388, 28556), (393, 28628), (394, 28637), (398, 28697), (401, 28742), (420, 29057), (421, 29063), (422, 29081), (429, 29177), (433, 29282), (439, 29381), (451, 29525), (454, 29600), (456, 29612), (460, 29687), (497, 30026), (504, 30065), (505, 30071), (508, 30077), (512, 30104), (515, 30140), (517, 30152),

Gene: Ali17_29 Start: 22538, Stop: 27427, Start Num: 10

Candidate Starts for Ali17_29:

(Start: 10 @22538 has 8 MA's), (19, 22658), (25, 22712), (27, 22736), (35, 22811), (36, 22814), (47, 22910), (54, 22985), (55, 22991), (57, 22997), (61, 23021), (63, 23030), (72, 23090), (73, 23096), (77, 23105), (82, 23135), (89, 23192), (96, 23231), (98, 23240), (99, 23243), (107, 23303), (108, 23306), (114, 23381), (115, 23390), (125, 23525), (126, 23534), (128, 23567), (130, 23591), (138, 23657), (140, 23720), (146, 23804), (147, 23843), (148, 23855), (152, 23903), (153, 23927), (157, 23978), (160, 24011), (164, 24062), (167, 24092), (171, 24149), (174, 24161), (177, 24173), (182, 24248), (187, 24302), (189, 24356), (192, 24389), (201, 24476), (202, 24488), (203, 24497), (207, 24557), (208, 24569), (210, 24590), (212, 24596), (213, 24602), (214, 24605), (215, 24608), (223, 24635), (224, 24638), (226, 24647), (227, 24659), (228, 24665), (231, 24710), (235, 24746), (236, 24749), (238, 24770), (246, 24887), (254, 24944), (268, 25031), (277, 25097), (301, 25154), (302, 25157), (305, 25181), (316, 25271), (322, 25319), (338, 25448), (347, 25517), (349, 25526), (353, 25547), (356, 25565), (358, 25583), (372, 25739), (373, 25742), (386, 25847), (394, 25955), (398, 26015), (400, 26045), (406, 26126), (419, 26357), (420, 26363), (424, 26411), (425, 26426), (428, 26492), (434, 26624), (440, 26753), (441, 26792), (472, 27119), (478, 27215), (493, 27338), (500, 27380), (502, 27392),

Gene: Angelicage_31 Start: 25066, Stop: 30099, Start Num: 9

Candidate Starts for Angelicage_31:

(Start: 9 @25066 has 61 MA's), (25, 25240), (27, 25264), (29, 25273), (31, 25306), (32, 25324), (35, 25339), (47, 25438), (54, 25513), (55, 25519), (56, 25522), (64, 25579), (65, 25597), (67, 25606), (69, 25621), (97, 25786), (101, 25804), (102, 25816), (107, 25855), (120, 25996), (123, 26056), (125, 26089), (128, 26131), (135, 26203), (137, 26218), (138, 26221), (145, 26332), (146, 26368), (148, 26419), (151, 26461), (153, 26491), (157, 26542), (160, 26575), (161, 26608), (162, 26620), (170, 26701), (173, 26722), (176, 26734), (185, 26830), (186, 26845), (187, 26866), (188, 26917), (190, 26926), (195, 27004), (202, 27052), (203, 27061), (207, 27121), (213, 27166), (216, 27175), (224, 27202), (228, 27229), (230, 27250), (233, 27286), (240, 27352), (242, 27388), (247, 27475), (248, 27478), (252, 27505), (262, 27556), (265, 27562), (283, 27688), (301, 27763), (305, 27790), (311, 27823), (317, 27886), (324, 27940), (330, 28003), (345, 28114), (351, 28141), (352, 28147), (362, 28249), (369, 28315), (372, 28342), (376, 28369), (380, 28408), (383, 28432), (388, 28474), (393, 28546), (394, 28555), (398, 28615), (401, 28660), (420, 28975), (421, 28981), (422, 28999), (429, 29095), (433, 29200), (439, 29299), (451, 29443), (454, 29518), (456, 29530), (460, 29614), (497, 29953), (504, 29992), (505, 29998), (508, 30004), (512, 30031), (515, 30067), (517, 30079),

Gene: Arri_32 Start: 20088, Stop: 25619, Start Num: 1

Candidate Starts for Arri_32:

(Start: 1 @20088 has 29 MA's), (3, 20175), (4, 20262), (6, 20295), (7, 20319), (13, 20442), (15, 20463), (17, 20469), (19, 20493), (24, 20523), (26, 20562), (38, 20646), (42, 20682), (44, 20706), (50, 20745), (104, 21135), (120, 21303), (123, 21363), (128, 21435), (129, 21447), (132, 21483), (134, 21507),

(142, 21606), (143, 21609), (145, 21639), (147, 21714), (148, 21726), (151, 21768), (153, 21798), (157, 21849), (169, 21990), (170, 22008), (171, 22020), (173, 22029), (184, 22131), (186, 22152), (187, 22173), (188, 22224), (189, 22227), (190, 22233), (195, 22311), (199, 22341), (202, 22359), (207, 22428), (210, 22461), (212, 22467), (214, 22476), (217, 22482), (228, 22536), (231, 22581), (234, 22608), (235, 22617), (237, 22638), (242, 22695), (244, 22731), (252, 22812), (254, 22815), (260, 22884), (271, 22956), (280, 23052), (288, 23118), (289, 23121), (293, 23145), (297, 23172), (298, 23175), (299, 23178), (300, 23184), (308, 23253), (310, 23262), (314, 23307), (315, 23316), (326, 23394), (331, 23448), (338, 23502), (344, 23559), (354, 23601), (358, 23637), (362, 23700), (368, 23751), (381, 23862), (387, 23901), (391, 23982), (404, 24156), (405, 24159), (408, 24192), (418, 24399), (420, 24408), (421, 24414), (437, 24726), (450, 24933), (457, 25071), (469, 25221), (475, 25332), (483, 25377), (484, 25386), (485, 25392), (489, 25428), (501, 25521), (504, 25533), (511, 25563), (513, 25596), (516, 25608),

Gene: Ashertheman_33 Start: 23943, Stop: 28961, Start Num: 9

Candidate Starts for Ashertheman_33:

(Start: 9 @23943 has 61 MA's), (16, 24030), (19, 24063), (25, 24117), (27, 24141), (31, 24183), (32, 24201), (35, 24216), (43, 24288), (47, 24315), (54, 24390), (56, 24399), (64, 24456), (65, 24474), (66, 24480), (107, 24732), (112, 24792), (123, 24933), (125, 24966), (128, 25008), (135, 25080), (137, 25095), (138, 25098), (145, 25209), (146, 25245), (148, 25296), (151, 25338), (153, 25368), (157, 25419), (160, 25452), (161, 25485), (162, 25497), (170, 25578), (176, 25611), (177, 25614), (181, 25671), (185, 25707), (186, 25722), (187, 25743), (188, 25794), (202, 25929), (203, 25938), (210, 26031), (212, 26037), (213, 26043), (216, 26052), (221, 26064), (223, 26076), (226, 26088), (228, 26106), (233, 26163), (242, 26265), (243, 26283), (245, 26307), (248, 26355), (254, 26385), (262, 26433), (265, 26439), (282, 26562), (283, 26565), (284, 26571), (295, 26628), (301, 26640), (303, 26661), (305, 26667), (311, 26700), (317, 26763), (324, 26817), (345, 26991), (351, 27018), (352, 27024), (362, 27126), (369, 27192), (388, 27351), (394, 27432), (398, 27492), (401, 27537), (418, 27843), (420, 27852), (423, 27879), (427, 27948), (433, 28077), (439, 28176), (451, 28320), (454, 28392), (455, 28398), (456, 28404), (460, 28479), (462, 28509), (475, 28647), (485, 28707), (489, 28743), (492, 28788), (497, 28815), (504, 28854), (505, 28860), (508, 28866), (512, 28893), (515, 28929), (517, 28941),

Gene: Baddon_32 Start: 24743, Stop: 29758, Start Num: 9

Candidate Starts for Baddon_32:

(Start: 9 @24743 has 61 MA's), (14, 24818), (19, 24863), (25, 24917), (27, 24941), (31, 24983), (32, 25001), (35, 25016), (43, 25088), (47, 25115), (54, 25190), (56, 25199), (64, 25256), (65, 25274), (66, 25280), (69, 25298), (75, 25325), (101, 25481), (107, 25532), (109, 25544), (112, 25592), (123, 25733), (125, 25766), (128, 25808), (135, 25880), (137, 25895), (138, 25898), (145, 26009), (146, 26045), (148, 26096), (151, 26138), (153, 26168), (157, 26219), (160, 26252), (161, 26285), (162, 26297), (170, 26378), (176, 26411), (177, 26414), (181, 26471), (185, 26507), (186, 26522), (187, 26543), (188, 26594), (202, 26729), (207, 26798), (212, 26837), (213, 26843), (216, 26852), (224, 26879), (228, 26906), (230, 26927), (233, 26963), (235, 26987), (236, 26990), (239, 27026), (242, 27065), (248, 27155), (254, 27185), (262, 27233), (265, 27239), (282, 27362), (283, 27365), (284, 27371), (295, 27428), (301, 27440), (305, 27467), (311, 27500), (312, 27506), (317, 27563), (324, 27617), (330, 27680), (345, 27791), (351, 27818), (352, 27824), (362, 27926), (369, 27992), (386, 28124), (388, 28151), (394, 28232), (398, 28292), (401, 28337), (418, 28643), (420, 28652), (423, 28679), (427, 28748), (439, 28976), (451, 29120), (454, 29189), (455, 29195), (456, 29201), (460, 29276), (462, 29306), (475, 29444), (485, 29504), (489, 29540), (492, 29585), (497, 29612), (504, 29651), (505, 29657), (508, 29663), (512, 29690), (515, 29726), (517, 29738),

Gene: Bakery_30 Start: 19326, Stop: 24842, Start Num: 1

Candidate Starts for Bakery_30:

(Start: 1 @19326 has 29 MA's), (4, 19500), (6, 19533), (7, 19557), (13, 19680), (15, 19701), (17, 19707), (19, 19731), (24, 19761), (26, 19800), (42, 19920), (44, 19944), (50, 19983), (115, 20499),

(120, 20541), (123, 20601), (128, 20673), (132, 20721), (139, 20775), (143, 20847), (145, 20877), (147, 20952), (148, 20964), (151, 21006), (153, 21036), (157, 21087), (165, 21180), (169, 21228), (170, 21246), (171, 21258), (173, 21267), (183, 21366), (184, 21369), (186, 21390), (187, 21411), (188, 21462), (189, 21465), (195, 21549), (199, 21579), (202, 21597), (204, 21624), (207, 21666), (223, 21744), (224, 21747), (225, 21753), (228, 21774), (229, 21777), (234, 21846), (236, 21858), (242, 21933), (252, 22050), (254, 22053), (257, 22101), (280, 22290), (288, 22356), (289, 22359), (293, 22383), (298, 22413), (299, 22416), (300, 22422), (306, 22467), (308, 22491), (310, 22500), (314, 22545), (315, 22554), (317, 22566), (322, 22611), (323, 22614), (326, 22632), (331, 22686), (338, 22740), (354, 22839), (362, 22938), (368, 22989), (381, 23100), (387, 23139), (388, 23160), (391, 23220), (404, 23394), (405, 23397), (408, 23430), (418, 23640), (421, 23655), (450, 24165), (453, 24261), (457, 24294), (468, 24441), (469, 24444), (475, 24555), (484, 24609), (489, 24651), (501, 24744), (504, 24756), (511, 24786), (513, 24819), (516, 24831),

Gene: Barb_31 Start: 20106, Stop: 25637, Start Num: 1

Candidate Starts for Barb_31:

(Start: 1 @20106 has 29 MA's), (3, 20193), (4, 20280), (6, 20313), (7, 20337), (13, 20460), (15, 20481), (17, 20487), (19, 20511), (24, 20541), (26, 20580), (38, 20664), (42, 20700), (44, 20724), (50, 20763), (104, 21153), (120, 21321), (123, 21381), (128, 21453), (129, 21465), (132, 21501), (134, 21525), (142, 21624), (143, 21627), (145, 21657), (147, 21732), (148, 21744), (151, 21786), (153, 21816), (157, 21867), (169, 22008), (170, 22026), (171, 22038), (173, 22047), (184, 22149), (186, 22170), (187, 22191), (188, 22242), (189, 22245), (190, 22251), (195, 22329), (199, 22359), (202, 22377), (207, 22446), (210, 22479), (212, 22485), (214, 22494), (217, 22500), (228, 22554), (231, 22599), (234, 22626), (235, 22635), (237, 22656), (242, 22713), (244, 22749), (252, 22830), (254, 22833), (260, 22902), (271, 22974), (280, 23070), (288, 23136), (289, 23139), (293, 23163), (297, 23190), (298, 23193), (299, 23196), (300, 23202), (308, 23271), (310, 23280), (314, 23325), (315, 23334), (326, 23412), (331, 23466), (338, 23520), (344, 23577), (354, 23619), (358, 23655), (362, 23718), (368, 23769), (381, 23880), (387, 23919), (391, 24000), (404, 24174), (405, 24177), (408, 24210), (418, 24417), (420, 24426), (421, 24432), (437, 24744), (450, 24951), (457, 25089), (469, 25239), (475, 25350), (483, 25395), (484, 25404), (485, 25410), (489, 25446), (501, 25539), (504, 25551), (511, 25581), (513, 25614), (516, 25626),

Gene: Barsten_33 Start: 24490, Stop: 29313, Start Num: 9

Candidate Starts for Barsten_33:

(Start: 9 @24490 has 61 MA's), (25, 24664), (27, 24688), (59, 24826), (69, 24865), (71, 24871), (74, 24883), (78, 24901), (82, 24913), (83, 24940), (87, 24958), (90, 24970), (107, 25069), (119, 25189), (120, 25210), (123, 25270), (125, 25303), (128, 25345), (131, 25381), (135, 25417), (137, 25432), (138, 25435), (145, 25546), (146, 25582), (148, 25633), (151, 25675), (153, 25705), (157, 25756), (160, 25789), (161, 25822), (162, 25834), (170, 25915), (173, 25936), (176, 25948), (185, 26044), (186, 26059), (187, 26080), (188, 26131), (190, 26140), (195, 26218), (202, 26266), (203, 26275), (207, 26335), (213, 26380), (216, 26389), (224, 26416), (228, 26443), (230, 26464), (233, 26500), (240, 26566), (242, 26602), (247, 26689), (248, 26692), (249, 26701), (252, 26719), (262, 26770), (265, 26776), (283, 26902), (301, 26977), (305, 27004), (311, 27037), (317, 27100), (324, 27154), (330, 27217), (345, 27328), (351, 27355), (352, 27361), (362, 27463), (364, 27475), (369, 27529), (372, 27556), (376, 27583), (380, 27622), (383, 27646), (388, 27688), (393, 27760), (394, 27769), (398, 27829), (401, 27874), (420, 28189), (421, 28195), (422, 28213), (429, 28309), (433, 28414), (439, 28513), (451, 28657), (454, 28732), (456, 28744), (460, 28828), (497, 29167), (504, 29206), (505, 29212), (508, 29218), (512, 29245), (515, 29281), (517, 29293),

Gene: Baumdotcom_32 Start: 23558, Stop: 28582, Start Num: 9

Candidate Starts for Baumdotcom_32:

(Start: 9 @23558 has 61 MA's), (16, 23645), (19, 23678), (25, 23732), (27, 23756), (31, 23798), (32, 23816), (35, 23831), (43, 23903), (47, 23930), (54, 24005), (56, 24014), (64, 24071), (65, 24089), (66, 24095), (107, 24347), (112, 24407), (123, 24548), (125, 24581), (128, 24623), (135, 24695), (137,

24710), (138, 24713), (145, 24824), (146, 24860), (148, 24911), (151, 24953), (153, 24983), (157, 25034), (160, 25067), (161, 25100), (162, 25112), (170, 25193), (176, 25226), (177, 25229), (181, 25286), (185, 25322), (186, 25337), (187, 25358), (188, 25409), (202, 25544), (203, 25553), (210, 25646), (212, 25652), (213, 25658), (216, 25667), (221, 25679), (223, 25691), (226, 25703), (228, 25721), (233, 25778), (242, 25880), (243, 25898), (245, 25922), (248, 25970), (254, 26000), (262, 26048), (265, 26054), (282, 26177), (283, 26180), (284, 26186), (295, 26243), (301, 26255), (303, 26276), (305, 26282), (311, 26315), (317, 26378), (324, 26432), (345, 26606), (351, 26633), (352, 26639), (362, 26741), (369, 26807), (388, 26966), (394, 27047), (398, 27107), (401, 27152), (418, 27464), (420, 27473), (423, 27500), (427, 27569), (433, 27698), (439, 27797), (451, 27941), (454, 28013), (455, 28019), (456, 28025), (460, 28100), (462, 28130), (475, 28268), (485, 28328), (489, 28364), (492, 28409), (497, 28436), (504, 28475), (505, 28481), (508, 28487), (512, 28514), (515, 28550), (517, 28562),

Gene: Belphegor_31 Start: 24145, Stop: 29028, Start Num: 10

Candidate Starts for Belphegor_31:

(Start: 10 @24145 has 8 MA's), (18, 24262), (19, 24265), (23, 24292), (25, 24319), (27, 24343), (31, 24385), (34, 24409), (35, 24418), (36, 24421), (43, 24490), (51, 24553), (54, 24592), (55, 24598), (57, 24604), (63, 24637), (68, 24679), (72, 24697), (73, 24703), (77, 24712), (89, 24799), (107, 24910), (108, 24913), (114, 24988), (115, 24997), (116, 25000), (125, 25132), (128, 25174), (130, 25198), (136, 25252), (138, 25264), (145, 25375), (146, 25411), (147, 25450), (148, 25462), (152, 25510), (153, 25534), (157, 25585), (160, 25618), (164, 25669), (167, 25699), (171, 25756), (174, 25768), (177, 25780), (180, 25819), (182, 25855), (188, 25960), (192, 25996), (195, 26047), (203, 26104), (207, 26164), (208, 26176), (212, 26203), (213, 26209), (214, 26212), (215, 26215), (223, 26242), (224, 26245), (227, 26266), (228, 26272), (234, 26344), (238, 26377), (242, 26431), (246, 26494), (254, 26551), (256, 26584), (268, 26638), (301, 26761), (304, 26785), (305, 26788), (316, 26878), (322, 26926), (338, 27055), (347, 27124), (356, 27172), (358, 27190), (372, 27346), (375, 27376), (386, 27454), (393, 27553), (398, 27622), (400, 27652), (418, 27961), (419, 27964), (420, 27970), (425, 28033), (428, 28099), (434, 28231), (440, 28360), (441, 28399), (472, 28720), (477, 28804), (500, 28981), (502, 28993),

Gene: Bibwit_32 Start: 24677, Stop: 29500, Start Num: 9

Candidate Starts for Bibwit_32:

(Start: 9 @24677 has 61 MA's), (25, 24851), (27, 24875), (59, 25013), (71, 25058), (74, 25070), (78, 25088), (82, 25100), (83, 25127), (87, 25145), (90, 25157), (107, 25256), (119, 25376), (120, 25397), (123, 25457), (125, 25490), (128, 25532), (131, 25568), (135, 25604), (137, 25619), (138, 25622), (145, 25733), (146, 25769), (148, 25820), (151, 25862), (153, 25892), (157, 25943), (160, 25976), (161, 26009), (162, 26021), (170, 26102), (173, 26123), (176, 26135), (185, 26231), (186, 26246), (187, 26267), (188, 26318), (190, 26327), (195, 26405), (202, 26453), (203, 26462), (207, 26522), (213, 26567), (216, 26576), (224, 26603), (228, 26630), (230, 26651), (233, 26687), (240, 26753), (242, 26789), (247, 26876), (248, 26879), (249, 26888), (252, 26906), (262, 26957), (265, 26963), (283, 27089), (305, 27191), (311, 27224), (317, 27287), (324, 27341), (330, 27404), (345, 27515), (351, 27542), (352, 27548), (362, 27650), (369, 27716), (372, 27743), (376, 27770), (380, 27809), (383, 27833), (388, 27875), (393, 27947), (398, 28016), (401, 28061), (420, 28376), (421, 28382), (422, 28400), (429, 28496), (433, 28601), (439, 28700), (451, 28844), (454, 28919), (456, 28931), (460, 29015), (497, 29354), (504, 29393), (505, 29399), (508, 29405), (512, 29432), (515, 29468), (517, 29480),

Gene: Bizzy_33 Start: 23890, Stop: 28905, Start Num: 9

Candidate Starts for Bizzy_33:

(Start: 9 @23890 has 61 MA's), (14, 23965), (19, 24010), (25, 24064), (27, 24088), (31, 24130), (32, 24148), (35, 24163), (43, 24235), (47, 24262), (54, 24337), (56, 24346), (64, 24403), (65, 24421), (66, 24427), (69, 24445), (75, 24472), (107, 24679), (109, 24691), (112, 24739), (123, 24880), (125, 24913), (128, 24955), (135, 25027), (137, 25042), (138, 25045), (145, 25156), (146, 25192), (148,

25243), (151, 25285), (153, 25315), (157, 25366), (160, 25399), (161, 25432), (162, 25444), (170, 25525), (176, 25558), (177, 25561), (181, 25618), (185, 25654), (186, 25669), (187, 25690), (188, 25741), (202, 25876), (203, 25885), (210, 25978), (212, 25984), (213, 25990), (216, 25999), (223, 26023), (226, 26035), (228, 26053), (233, 26110), (242, 26212), (248, 26302), (254, 26332), (262, 26380), (265, 26386), (282, 26509), (283, 26512), (295, 26575), (301, 26587), (303, 26608), (305, 26614), (311, 26647), (317, 26710), (324, 26764), (330, 26827), (345, 26938), (351, 26965), (352, 26971), (362, 27073), (369, 27139), (386, 27271), (388, 27298), (394, 27379), (398, 27439), (401, 27484), (418, 27790), (420, 27799), (423, 27826), (427, 27895), (433, 28024), (439, 28123), (451, 28267), (454, 28336), (455, 28342), (456, 28348), (460, 28423), (462, 28453), (475, 28591), (485, 28651), (489, 28687), (492, 28732), (497, 28759), (504, 28798), (505, 28804), (508, 28810), (512, 28837), (515, 28873), (517, 28885),

Gene: BobBob_30 Start: 23955, Stop: 28781, Start Num: 9

Candidate Starts for BobBob_30:

(Start: 9 @23955 has 61 MA's), (25, 24129), (27, 24153), (59, 24291), (68, 24324), (71, 24336), (74, 24348), (78, 24366), (82, 24378), (87, 24423), (107, 24534), (119, 24654), (120, 24675), (123, 24735), (125, 24768), (128, 24810), (131, 24846), (135, 24882), (137, 24897), (138, 24900), (145, 25011), (146, 25047), (148, 25098), (151, 25140), (153, 25170), (157, 25221), (160, 25254), (161, 25287), (162, 25299), (170, 25380), (176, 25413), (185, 25509), (186, 25524), (187, 25545), (188, 25596), (190, 25605), (195, 25683), (202, 25731), (203, 25740), (207, 25800), (212, 25839), (213, 25845), (216, 25854), (224, 25881), (228, 25908), (230, 25929), (233, 25965), (240, 26031), (241, 26052), (242, 26067), (247, 26154), (248, 26157), (262, 26235), (273, 26295), (283, 26367), (305, 26469), (311, 26502), (317, 26565), (324, 26619), (330, 26682), (345, 26793), (351, 26820), (352, 26826), (362, 26928), (364, 26940), (369, 26994), (372, 27021), (376, 27048), (380, 27087), (383, 27111), (386, 27126), (388, 27153), (393, 27225), (394, 27234), (398, 27294), (401, 27339), (416, 27528), (420, 27657), (421, 27663), (422, 27681), (429, 27777), (433, 27882), (439, 27981), (451, 28125), (454, 28200), (456, 28212), (460, 28296), (497, 28635), (504, 28674), (505, 28680), (508, 28686), (512, 28713), (515, 28749), (517, 28761),

Gene: Brandonk123_34 Start: 25024, Stop: 29847, Start Num: 9

Candidate Starts for Brandonk123_34:

(Start: 9 @25024 has 61 MA's), (25, 25198), (27, 25222), (59, 25360), (69, 25399), (71, 25405), (74, 25417), (78, 25435), (82, 25447), (83, 25474), (87, 25492), (90, 25504), (107, 25603), (119, 25723), (120, 25744), (123, 25804), (125, 25837), (128, 25879), (131, 25915), (135, 25951), (137, 25966), (138, 25969), (145, 26080), (146, 26116), (148, 26167), (151, 26209), (153, 26239), (157, 26290), (160, 26323), (161, 26356), (162, 26368), (170, 26449), (173, 26470), (176, 26482), (185, 26578), (186, 26593), (187, 26614), (188, 26665), (190, 26674), (195, 26752), (202, 26800), (203, 26809), (207, 26869), (213, 26914), (216, 26923), (224, 26950), (228, 26977), (230, 26998), (233, 27034), (240, 27100), (242, 27136), (247, 27223), (248, 27226), (262, 27304), (273, 27364), (283, 27436), (295, 27499), (303, 27532), (305, 27538), (311, 27571), (317, 27634), (324, 27688), (330, 27751), (345, 27862), (351, 27889), (352, 27895), (362, 27997), (364, 28009), (369, 28063), (372, 28090), (376, 28117), (380, 28156), (388, 28222), (393, 28294), (394, 28303), (398, 28363), (401, 28408), (420, 28723), (421, 28729), (422, 28747), (429, 28843), (433, 28948), (439, 29047), (451, 29191), (454, 29266), (456, 29278), (460, 29362), (497, 29701), (504, 29740), (505, 29746), (508, 29752), (512, 29779), (515, 29815), (517, 29827),

Gene: ChadMasterC_33 Start: 25682, Stop: 30712, Start Num: 9

Candidate Starts for ChadMasterC_33:

(Start: 9 @25682 has 61 MA's), (25, 25856), (27, 25880), (29, 25889), (31, 25922), (32, 25940), (35, 25955), (47, 26054), (54, 26129), (55, 26135), (56, 26138), (64, 26195), (65, 26213), (67, 26222), (69, 26237), (97, 26402), (101, 26420), (102, 26432), (107, 26471), (120, 26612), (123, 26672), (125, 26705), (128, 26747), (135, 26819), (137, 26834), (138, 26837), (145, 26948), (146, 26984), (148, 27035), (151, 27077), (153, 27107), (157, 27158), (160, 27191), (161, 27224), (162, 27236), (170,

27317), (173, 27338), (176, 27350), (185, 27446), (186, 27461), (187, 27482), (188, 27533), (190, 27542), (195, 27620), (202, 27668), (203, 27677), (207, 27737), (213, 27782), (216, 27791), (224, 27818), (228, 27845), (230, 27866), (233, 27902), (240, 27968), (242, 28004), (247, 28091), (248, 28094), (252, 28121), (262, 28172), (265, 28178), (283, 28304), (301, 28379), (305, 28406), (311, 28439), (317, 28502), (324, 28556), (330, 28619), (345, 28730), (351, 28757), (352, 28763), (362, 28865), (364, 28877), (369, 28931), (372, 28958), (376, 28985), (380, 29024), (383, 29048), (386, 29063), (388, 29090), (393, 29162), (394, 29171), (398, 29231), (401, 29276), (420, 29594), (421, 29600), (422, 29618), (429, 29714), (433, 29819), (439, 29918), (451, 30062), (454, 30131), (456, 30143), (460, 30227), (497, 30566), (504, 30605), (505, 30611), (508, 30617), (512, 30644), (515, 30680), (517, 30692),

Gene: Charming_33 Start: 24533, Stop: 29347, Start Num: 9

Candidate Starts for Charming_33:

(Start: 9 @24533 has 61 MA's), (25, 24707), (27, 24731), (59, 24869), (68, 24902), (71, 24914), (74, 24926), (78, 24944), (82, 24956), (87, 25001), (90, 25013), (107, 25112), (119, 25232), (120, 25253), (123, 25313), (125, 25346), (128, 25388), (131, 25424), (135, 25460), (137, 25475), (138, 25478), (145, 25589), (146, 25625), (148, 25676), (151, 25718), (153, 25748), (157, 25799), (160, 25832), (161, 25865), (162, 25877), (170, 25958), (173, 25979), (176, 25991), (185, 26087), (186, 26102), (187, 26123), (188, 26174), (190, 26183), (202, 26309), (203, 26318), (207, 26378), (213, 26423), (216, 26432), (224, 26459), (228, 26486), (230, 26507), (233, 26543), (240, 26609), (242, 26645), (247, 26732), (248, 26735), (262, 26813), (265, 26819), (283, 26945), (305, 27047), (311, 27080), (317, 27143), (324, 27197), (330, 27260), (345, 27371), (351, 27398), (352, 27404), (362, 27506), (369, 27572), (370, 27587), (372, 27599), (376, 27626), (380, 27665), (388, 27731), (394, 27812), (398, 27872), (401, 27917), (420, 28232), (421, 28238), (422, 28256), (429, 28352), (439, 28556), (451, 28700), (454, 28775), (460, 28862), (478, 29057), (497, 29201), (504, 29240), (505, 29246), (508, 29252), (512, 29279), (515, 29315), (517, 29327),

Gene: CherryCola_33 Start: 20326, Stop: 25857, Start Num: 1

Candidate Starts for CherryCola_33:

(Start: 1 @20326 has 29 MA's), (3, 20413), (4, 20500), (6, 20533), (13, 20680), (15, 20701), (17, 20707), (19, 20731), (24, 20761), (26, 20800), (38, 20884), (42, 20920), (44, 20944), (50, 20983), (104, 21373), (120, 21541), (123, 21601), (128, 21673), (129, 21685), (132, 21721), (134, 21745), (142, 21844), (143, 21847), (145, 21877), (147, 21952), (148, 21964), (151, 22006), (153, 22036), (157, 22087), (169, 22228), (170, 22246), (171, 22258), (173, 22267), (184, 22369), (186, 22390), (187, 22411), (188, 22462), (189, 22465), (195, 22549), (199, 22579), (202, 22597), (207, 22666), (210, 22699), (212, 22705), (214, 22714), (217, 22720), (228, 22774), (234, 22846), (235, 22855), (237, 22876), (242, 22933), (244, 22969), (252, 23050), (254, 23053), (260, 23122), (280, 23290), (288, 23356), (289, 23359), (293, 23383), (297, 23410), (298, 23413), (299, 23416), (300, 23422), (308, 23491), (310, 23500), (314, 23545), (315, 23554), (326, 23632), (331, 23686), (338, 23740), (344, 23797), (354, 23839), (358, 23875), (362, 23938), (368, 23989), (377, 24073), (381, 24100), (387, 24139), (388, 24160), (391, 24220), (404, 24394), (405, 24397), (408, 24430), (418, 24637), (420, 24646), (421, 24652), (437, 24964), (450, 25171), (457, 25309), (469, 25459), (475, 25570), (483, 25615), (484, 25624), (485, 25630), (489, 25666), (501, 25759), (504, 25771), (511, 25801), (513, 25834), (516, 25846),

Gene: Chickadee_30 Start: 21428, Stop: 26545, Start Num: 9

Candidate Starts for Chickadee_30:

(Start: 9 @21428 has 61 MA's), (19, 21548), (25, 21602), (28, 21635), (33, 21692), (35, 21701), (36, 21704), (43, 21773), (45, 21785), (47, 21800), (51, 21836), (54, 21875), (55, 21881), (57, 21887), (63, 21920), (68, 21962), (70, 21971), (72, 21980), (73, 21986), (86, 22064), (89, 22082), (96, 22121), (105, 22178), (107, 22193), (117, 22286), (128, 22457), (135, 22529), (138, 22547), (142, 22625), (145, 22658), (146, 22694), (147, 22733), (148, 22745), (153, 22817), (157, 22868), (159, 22889), (160, 22901), (164, 22952), (166, 22982), (173, 23048), (184, 23150), (187, 23192), (189, 23246), (191,

23276), (192, 23279), (195, 23330), (198, 23357), (202, 23378), (206, 23444), (210, 23480), (212, 23486), (223, 23525), (226, 23537), (227, 23549), (228, 23555), (230, 23576), (238, 23660), (239, 23675), (241, 23699), (251, 23834), (254, 23846), (263, 23909), (264, 23912), (279, 24017), (281, 24035), (290, 24065), (302, 24116), (311, 24173), (318, 24248), (319, 24257), (320, 24266), (321, 24272), (328, 24323), (332, 24356), (333, 24368), (336, 24389), (337, 24401), (340, 24434), (343, 24455), (360, 24587), (366, 24641), (389, 24848), (397, 24962), (399, 24974), (408, 25100), (411, 25118), (414, 25196), (423, 25385), (425, 25415), (430, 25586), (435, 25613), (445, 25820), (446, 25823), (448, 25841), (465, 26090), (467, 26108), (470, 26120), (479, 26237), (498, 26393), (499, 26396), (507, 26438), (509, 26456), (512, 26471), (514, 26510),

Gene: ClamChowder_31 Start: 20106, Stop: 25637, Start Num: 1

Candidate Starts for ClamChowder_31:

(Start: 1 @20106 has 29 MA's), (3, 20193), (4, 20280), (6, 20313), (7, 20337), (13, 20460), (15, 20481), (17, 20487), (19, 20511), (24, 20541), (26, 20580), (38, 20664), (42, 20700), (44, 20724), (50, 20763), (104, 21153), (120, 21321), (123, 21381), (128, 21453), (129, 21465), (132, 21501), (134, 21525), (142, 21624), (143, 21627), (145, 21657), (147, 21732), (148, 21744), (151, 21786), (153, 21816), (157, 21867), (169, 22008), (170, 22026), (171, 22038), (173, 22047), (184, 22149), (186, 22170), (187, 22191), (188, 22242), (189, 22245), (190, 22251), (195, 22329), (199, 22359), (202, 22377), (207, 22446), (210, 22479), (212, 22485), (214, 22494), (217, 22500), (228, 22554), (231, 22599), (234, 22626), (235, 22635), (237, 22656), (242, 22713), (244, 22749), (252, 22830), (254, 22833), (260, 22902), (271, 22974), (280, 23070), (288, 23136), (289, 23139), (293, 23163), (297, 23190), (298, 23193), (299, 23196), (300, 23202), (308, 23271), (310, 23280), (314, 23325), (315, 23334), (326, 23412), (331, 23466), (338, 23520), (344, 23577), (354, 23619), (358, 23655), (362, 23718), (368, 23769), (381, 23880), (387, 23919), (391, 24000), (404, 24174), (405, 24177), (408, 24210), (418, 24417), (420, 24426), (421, 24432), (437, 24744), (450, 24951), (457, 25089), (469, 25239), (475, 25350), (483, 25395), (484, 25404), (485, 25410), (489, 25446), (501, 25539), (504, 25551), (511, 25581), (513, 25614), (516, 25626),

Gene: Clown_33 Start: 21973, Stop: 27672, Start Num: 1

Candidate Starts for Clown_33:

(Start: 1 @21973 has 29 MA's), (2, 22048), (4, 22147), (5, 22156), (6, 22180), (8, 22249), (11, 22348), (12, 22351), (30, 22606), (39, 22696), (42, 22750), (49, 22807), (53, 22873), (58, 22894), (62, 22915), (85, 23086), (93, 23122), (94, 23128), (103, 23194), (104, 23203), (106, 23224), (113, 23308), (123, 23434), (128, 23506), (129, 23518), (132, 23554), (142, 23677), (143, 23680), (145, 23710), (147, 23785), (148, 23797), (150, 23830), (151, 23839), (154, 23893), (160, 23953), (162, 24001), (167, 24034), (170, 24079), (171, 24091), (173, 24100), (187, 24244), (188, 24295), (189, 24298), (192, 24331), (194, 24373), (196, 24388), (199, 24412), (202, 24430), (203, 24439), (207, 24499), (212, 24538), (213, 24544), (215, 24550), (218, 24556), (219, 24559), (223, 24577), (226, 24589), (228, 24607), (234, 24679), (238, 24712), (239, 24727), (242, 24766), (246, 24829), (254, 24886), (279, 25093), (289, 25192), (293, 25216), (297, 25243), (298, 25246), (299, 25249), (308, 25324), (310, 25333), (314, 25378), (315, 25387), (317, 25399), (326, 25465), (331, 25519), (338, 25573), (346, 25642), (354, 25672), (361, 25753), (362, 25771), (365, 25789), (368, 25822), (370, 25852), (394, 26062), (398, 26122), (401, 26167), (402, 26170), (406, 26233), (415, 26344), (416, 26362), (418, 26461), (419, 26464), (420, 26470), (421, 26476), (428, 26596), (440, 26869), (442, 26926), (443, 26950), (449, 26977), (476, 27400), (489, 27484), (496, 27547), (499, 27562), (504, 27589), (510, 27616), (511, 27619),

Gene: CoveyB_32 Start: 19906, Stop: 25437, Start Num: 1

Candidate Starts for CoveyB_32:

(Start: 1 @19906 has 29 MA's), (3, 19993), (4, 20080), (6, 20113), (7, 20137), (13, 20260), (15, 20281), (17, 20287), (19, 20311), (24, 20341), (26, 20380), (38, 20464), (42, 20500), (44, 20524), (50, 20563), (104, 20953), (120, 21121), (123, 21181), (128, 21253), (129, 21265), (132, 21301), (134, 21325), (142, 21424), (143, 21427), (145, 21457), (147, 21532), (148, 21544), (151, 21586), (153, 21616),

(157, 21667), (169, 21808), (170, 21826), (171, 21838), (173, 21847), (184, 21949), (186, 21970), (187, 21991), (188, 22042), (189, 22045), (190, 22051), (195, 22129), (199, 22159), (202, 22177), (207, 22246), (210, 22279), (212, 22285), (214, 22294), (217, 22300), (228, 22354), (231, 22399), (234, 22426), (235, 22435), (237, 22456), (242, 22513), (244, 22549), (252, 22630), (254, 22633), (260, 22702), (271, 22774), (280, 22870), (288, 22936), (289, 22939), (293, 22963), (297, 22990), (298, 22993), (299, 22996), (300, 23002), (308, 23071), (310, 23080), (314, 23125), (315, 23134), (326, 23212), (331, 23266), (338, 23320), (344, 23377), (354, 23419), (358, 23455), (362, 23518), (368, 23569), (381, 23680), (387, 23719), (391, 23800), (404, 23974), (405, 23977), (408, 24010), (418, 24217), (420, 24226), (421, 24232), (437, 24544), (450, 24751), (457, 24889), (469, 25039), (475, 25150), (483, 25195), (484, 25204), (489, 25246), (501, 25339), (504, 25351), (511, 25381), (513, 25414), (516, 25426),

Gene: Danyall_31 Start: 19906, Stop: 25437, Start Num: 1

Candidate Starts for Danyall_31:

(Start: 1 @19906 has 29 MA's), (3, 19993), (4, 20080), (6, 20113), (7, 20137), (13, 20260), (15, 20281), (17, 20287), (19, 20311), (24, 20341), (26, 20380), (38, 20464), (42, 20500), (44, 20524), (50, 20563), (104, 20953), (120, 21121), (123, 21181), (128, 21253), (129, 21265), (132, 21301), (134, 21325), (142, 21424), (143, 21427), (145, 21457), (147, 21532), (148, 21544), (151, 21586), (153, 21616), (157, 21667), (169, 21808), (170, 21826), (171, 21838), (173, 21847), (184, 21949), (186, 21970), (187, 21991), (188, 22042), (189, 22045), (190, 22051), (195, 22129), (199, 22159), (202, 22177), (207, 22246), (210, 22279), (212, 22285), (214, 22294), (217, 22300), (228, 22354), (231, 22399), (234, 22426), (235, 22435), (237, 22456), (242, 22513), (244, 22549), (252, 22630), (254, 22633), (260, 22702), (271, 22774), (280, 22870), (288, 22936), (289, 22939), (293, 22963), (297, 22990), (298, 22993), (299, 22996), (300, 23002), (308, 23071), (310, 23080), (314, 23125), (315, 23134), (326, 23212), (331, 23266), (338, 23320), (344, 23377), (354, 23419), (358, 23455), (362, 23518), (368, 23569), (381, 23680), (387, 23719), (391, 23800), (404, 23974), (405, 23977), (408, 24010), (418, 24217), (420, 24226), (421, 24232), (437, 24544), (450, 24751), (457, 24889), (469, 25039), (475, 25150), (483, 25195), (484, 25204), (485, 25210), (489, 25246), (501, 25339), (504, 25351), (511, 25381), (513, 25414), (516, 25426),

Gene: Delrey21_32 Start: 25053, Stop: 29963, Start Num: 9

Candidate Starts for Delrey21_32:

(Start: 9 @25053 has 61 MA's), (19, 25173), (20, 25185), (24, 25206), (25, 25227), (27, 25251), (34, 25317), (35, 25326), (36, 25329), (48, 25431), (54, 25500), (56, 25509), (77, 25617), (81, 25638), (84, 25680), (86, 25686), (96, 25743), (98, 25752), (107, 25815), (115, 25914), (118, 25926), (122, 25968), (125, 26049), (127, 26073), (129, 26103), (133, 26160), (135, 26163), (136, 26169), (138, 26181), (141, 26253), (145, 26292), (146, 26328), (147, 26367), (148, 26379), (151, 26421), (153, 26451), (160, 26535), (161, 26568), (170, 26661), (173, 26682), (177, 26697), (184, 26784), (187, 26826), (189, 26880), (190, 26886), (192, 26913), (201, 27000), (202, 27012), (203, 27021), (207, 27081), (208, 27093), (212, 27120), (224, 27162), (225, 27168), (227, 27183), (228, 27189), (231, 27234), (234, 27261), (235, 27270), (236, 27273), (246, 27411), (252, 27465), (254, 27468), (268, 27555), (292, 27657), (304, 27702), (305, 27705), (316, 27795), (353, 28071), (355, 28086), (356, 28089), (367, 28212), (369, 28236), (374, 28299), (385, 28356), (394, 28473), (396, 28515), (398, 28533), (406, 28644), (413, 28746), (419, 28878), (420, 28884), (421, 28890), (423, 28911), (426, 28953), (436, 29172), (437, 29199), (440, 29271), (441, 29310), (458, 29517), (463, 29583), (464, 29589), (472, 29655), (478, 29751), (486, 29790), (490, 29853), (491, 29856), (493, 29874), (495, 29889), (500, 29916), (502, 29928),

Gene: Derg_30 Start: 23486, Stop: 28501, Start Num: 9

Candidate Starts for Derg_30:

(Start: 9 @23486 has 61 MA's), (14, 23561), (19, 23606), (25, 23660), (27, 23684), (31, 23726), (32, 23744), (35, 23759), (43, 23831), (47, 23858), (54, 23933), (56, 23942), (64, 23999), (65, 24017), (66, 24023), (69, 24041), (75, 24068), (101, 24224), (107, 24275), (109, 24287), (112, 24335), (123,

24476), (125, 24509), (128, 24551), (135, 24623), (137, 24638), (138, 24641), (145, 24752), (146, 24788), (148, 24839), (151, 24881), (153, 24911), (157, 24962), (160, 24995), (161, 25028), (162, 25040), (170, 25121), (176, 25154), (177, 25157), (181, 25214), (185, 25250), (186, 25265), (187, 25286), (188, 25337), (202, 25472), (207, 25541), (212, 25580), (213, 25586), (216, 25595), (224, 25622), (228, 25649), (230, 25670), (233, 25706), (235, 25730), (236, 25733), (239, 25769), (242, 25808), (248, 25898), (254, 25928), (262, 25976), (265, 25982), (282, 26105), (283, 26108), (284, 26114), (295, 26171), (301, 26183), (305, 26210), (311, 26243), (312, 26249), (317, 26306), (324, 26360), (330, 26423), (345, 26534), (351, 26561), (352, 26567), (362, 26669), (369, 26735), (386, 26867), (388, 26894), (394, 26975), (398, 27035), (401, 27080), (418, 27386), (420, 27395), (423, 27422), (427, 27491), (439, 27719), (451, 27863), (454, 27932), (455, 27938), (456, 27944), (460, 28019), (462, 28049), (475, 28187), (485, 28247), (489, 28283), (492, 28328), (497, 28355), (504, 28394), (505, 28400), (508, 28406), (512, 28433), (515, 28469), (517, 28481),

Gene: Dxdert_31 Start: 21862, Stop: 26988, Start Num: 9

Candidate Starts for Dxdert_31:

(Start: 9 @21862 has 61 MA's), (25, 22036), (28, 22069), (33, 22126), (35, 22135), (36, 22138), (43, 22207), (45, 22219), (47, 22234), (51, 22270), (54, 22309), (55, 22315), (57, 22321), (63, 22354), (68, 22396), (70, 22405), (72, 22414), (73, 22420), (80, 22447), (86, 22498), (89, 22516), (105, 22612), (107, 22627), (111, 22672), (117, 22720), (128, 22891), (135, 22963), (138, 22981), (142, 23059), (145, 23092), (146, 23128), (147, 23167), (148, 23179), (153, 23251), (157, 23302), (159, 23323), (160, 23335), (164, 23386), (166, 23416), (173, 23482), (184, 23584), (187, 23626), (189, 23680), (191, 23710), (192, 23713), (195, 23764), (198, 23791), (202, 23812), (206, 23878), (210, 23914), (212, 23920), (223, 23959), (224, 23962), (227, 23983), (228, 23989), (230, 24010), (234, 24061), (238, 24094), (239, 24109), (241, 24133), (263, 24343), (264, 24346), (279, 24451), (281, 24469), (290, 24499), (302, 24550), (311, 24607), (318, 24682), (319, 24691), (320, 24700), (321, 24706), (328, 24757), (332, 24790), (333, 24802), (336, 24823), (337, 24835), (340, 24868), (343, 24889), (360, 25021), (366, 25075), (389, 25282), (397, 25396), (399, 25408), (408, 25534), (411, 25552), (414, 25630), (423, 25819), (425, 25849), (435, 26047), (445, 26254), (446, 26257), (448, 26275), (465, 26524), (467, 26542), (470, 26554), (479, 26680), (498, 26836), (499, 26839), (507, 26881), (509, 26899), (512, 26914), (514, 26953),

Gene: DoctorFroggo_32 Start: 25053, Stop: 29963, Start Num: 9

Candidate Starts for DoctorFroggo_32:

(Start: 9 @25053 has 61 MA's), (19, 25173), (20, 25185), (24, 25206), (25, 25227), (27, 25251), (34, 25317), (35, 25326), (36, 25329), (48, 25431), (54, 25500), (56, 25509), (77, 25617), (81, 25638), (84, 25680), (86, 25686), (96, 25743), (98, 25752), (107, 25815), (115, 25914), (118, 25926), (122, 25968), (125, 26049), (127, 26073), (129, 26103), (133, 26160), (135, 26163), (136, 26169), (138, 26181), (141, 26253), (145, 26292), (146, 26328), (147, 26367), (148, 26379), (151, 26421), (153, 26451), (160, 26535), (161, 26568), (170, 26661), (173, 26682), (177, 26697), (184, 26784), (187, 26826), (189, 26880), (190, 26886), (192, 26913), (201, 27000), (202, 27012), (203, 27021), (207, 27081), (208, 27093), (212, 27120), (224, 27162), (225, 27168), (227, 27183), (228, 27189), (231, 27234), (234, 27261), (235, 27270), (236, 27273), (246, 27411), (252, 27465), (254, 27468), (268, 27555), (292, 27657), (304, 27702), (305, 27705), (316, 27795), (353, 28071), (355, 28086), (356, 28089), (367, 28212), (369, 28236), (374, 28299), (385, 28356), (394, 28473), (396, 28515), (398, 28533), (406, 28644), (413, 28746), (419, 28878), (420, 28884), (421, 28890), (423, 28911), (426, 28953), (436, 29172), (437, 29199), (440, 29271), (441, 29310), (458, 29517), (463, 29583), (464, 29589), (472, 29655), (478, 29751), (486, 29790), (490, 29853), (491, 29856), (493, 29874), (495, 29889), (500, 29916), (502, 29928),

Gene: EMoore_29 Start: 23379, Stop: 28523, Start Num: 10

Candidate Starts for EMoore_29:

(Start: 10 @23379 has 8 MA's), (19, 23499), (25, 23553), (27, 23577), (31, 23619), (35, 23652), (36, 23655), (47, 23751), (54, 23826), (55, 23832), (57, 23838), (63, 23871), (68, 23913), (73, 23937), (77,

23946), (82, 23976), (89, 24033), (96, 24072), (98, 24081), (99, 24084), (107, 24144), (108, 24147), (114, 24222), (115, 24231), (125, 24366), (126, 24375), (130, 24432), (136, 24486), (138, 24498), (142, 24576), (145, 24609), (146, 24645), (147, 24684), (148, 24696), (152, 24744), (153, 24768), (160, 24852), (163, 24900), (164, 24903), (171, 24990), (174, 25002), (182, 25089), (187, 25143), (189, 25197), (190, 25203), (192, 25230), (195, 25281), (202, 25329), (203, 25338), (207, 25398), (208, 25410), (210, 25431), (212, 25437), (213, 25443), (214, 25446), (215, 25449), (223, 25476), (228, 25506), (231, 25551), (234, 25578), (236, 25590), (238, 25611), (239, 25626), (242, 25665), (250, 25785), (253, 25839), (259, 25914), (261, 25926), (266, 25989), (270, 26034), (273, 26055), (278, 26100), (281, 26142), (282, 26145), (286, 26169), (287, 26187), (288, 26199), (291, 26220), (294, 26232), (296, 26250), (301, 26277), (302, 26280), (313, 26364), (320, 26430), (326, 26463), (329, 26505), (331, 26517), (342, 26616), (347, 26646), (353, 26673), (358, 26709), (372, 26865), (373, 26868), (378, 26922), (385, 26946), (393, 27054), (394, 27063), (398, 27123), (400, 27153), (401, 27168), (406, 27234), (412, 27270), (419, 27465), (420, 27471), (423, 27498), (425, 27534), (440, 27861), (441, 27900), (461, 28137), (472, 28215), (478, 28311), (493, 28434), (500, 28476), (502, 28488),

Gene: EdmundFerry_29 Start: 21457, Stop: 26574, Start Num: 9

Candidate Starts for EdmundFerry_29:

(Start: 9 @21457 has 61 MA's), (19, 21577), (25, 21631), (28, 21664), (33, 21721), (35, 21730), (36, 21733), (43, 21802), (45, 21814), (47, 21829), (51, 21865), (54, 21904), (55, 21910), (57, 21916), (63, 21949), (68, 21991), (70, 22000), (72, 22009), (73, 22015), (86, 22093), (89, 22111), (96, 22150), (105, 22207), (107, 22222), (117, 22315), (128, 22486), (135, 22558), (138, 22576), (142, 22654), (145, 22687), (146, 22723), (147, 22762), (148, 22774), (153, 22846), (155, 22876), (157, 22897), (159, 22918), (160, 22930), (164, 22981), (166, 23011), (173, 23077), (184, 23179), (187, 23221), (189, 23275), (191, 23305), (192, 23308), (195, 23359), (198, 23386), (202, 23407), (206, 23473), (210, 23509), (212, 23515), (223, 23554), (226, 23566), (227, 23578), (228, 23584), (230, 23605), (238, 23689), (239, 23704), (241, 23728), (251, 23863), (263, 23938), (264, 23941), (279, 24046), (281, 24064), (290, 24094), (302, 24145), (311, 24202), (318, 24277), (319, 24286), (320, 24295), (321, 24301), (328, 24352), (332, 24385), (333, 24397), (336, 24418), (337, 24430), (340, 24463), (343, 24484), (360, 24616), (366, 24670), (389, 24877), (397, 24991), (399, 25003), (408, 25129), (411, 25147), (414, 25225), (423, 25414), (425, 25444), (430, 25615), (435, 25642), (445, 25849), (446, 25852), (448, 25870), (465, 26119), (467, 26137), (470, 26149), (479, 26266), (498, 26422), (499, 26425), (507, 26467), (509, 26485), (512, 26500), (514, 26539),

Gene: Evamon_29 Start: 19392, Stop: 24923, Start Num: 1

Candidate Starts for Evamon_29:

(Start: 1 @19392 has 29 MA's), (3, 19479), (4, 19566), (6, 19599), (7, 19623), (13, 19746), (15, 19767), (17, 19773), (19, 19797), (24, 19827), (26, 19866), (38, 19950), (42, 19986), (44, 20010), (50, 20049), (104, 20439), (120, 20607), (123, 20667), (128, 20739), (129, 20751), (132, 20787), (134, 20811), (142, 20910), (143, 20913), (145, 20943), (147, 21018), (148, 21030), (151, 21072), (153, 21102), (157, 21153), (169, 21294), (170, 21312), (171, 21324), (173, 21333), (184, 21435), (186, 21456), (187, 21477), (188, 21528), (189, 21531), (190, 21537), (195, 21615), (199, 21645), (202, 21663), (207, 21732), (210, 21765), (212, 21771), (214, 21780), (217, 21786), (228, 21840), (231, 21885), (234, 21912), (235, 21921), (237, 21942), (242, 21999), (244, 22035), (252, 22116), (254, 22119), (260, 22188), (271, 22260), (280, 22356), (288, 22422), (289, 22425), (293, 22449), (297, 22476), (298, 22479), (299, 22482), (300, 22488), (308, 22557), (310, 22566), (314, 22611), (315, 22620), (326, 22698), (331, 22752), (338, 22806), (344, 22863), (354, 22905), (358, 22941), (362, 23004), (368, 23055), (381, 23166), (387, 23205), (391, 23286), (404, 23460), (405, 23463), (408, 23496), (418, 23703), (420, 23712), (421, 23718), (437, 24030), (450, 24237), (457, 24375), (469, 24525), (475, 24636), (483, 24681), (484, 24690), (485, 24696), (489, 24732), (501, 24825), (504, 24837), (511, 24867), (513, 24900), (516, 24912),

Gene: Fireball_30 Start: 19524, Stop: 25058, Start Num: 1

Candidate Starts for Fireball_30:

(Start: 1 @19524 has 29 MA's), (3, 19611), (4, 19698), (6, 19731), (7, 19755), (13, 19878), (15, 19899), (17, 19905), (19, 19929), (21, 19938), (24, 19959), (26, 19998), (38, 20082), (42, 20118), (44, 20142), (50, 20181), (104, 20571), (120, 20739), (123, 20799), (128, 20871), (129, 20883), (132, 20919), (134, 20943), (142, 21042), (143, 21045), (145, 21075), (147, 21150), (148, 21162), (151, 21204), (153, 21234), (157, 21285), (169, 21426), (170, 21444), (171, 21456), (173, 21465), (184, 21567), (186, 21588), (187, 21609), (188, 21660), (189, 21663), (195, 21747), (199, 21777), (202, 21795), (207, 21864), (210, 21897), (212, 21903), (214, 21912), (217, 21918), (228, 21972), (234, 22044), (235, 22053), (237, 22074), (242, 22131), (244, 22167), (252, 22248), (254, 22251), (260, 22320), (271, 22392), (280, 22488), (288, 22554), (289, 22557), (293, 22581), (297, 22608), (298, 22611), (299, 22614), (300, 22620), (308, 22689), (310, 22698), (314, 22743), (315, 22752), (326, 22830), (339, 22959), (341, 22974), (347, 23016), (354, 23058), (357, 23076), (358, 23094), (362, 23157), (368, 23208), (381, 23319), (387, 23358), (391, 23439), (404, 23613), (405, 23616), (408, 23649), (410, 23664), (418, 23856), (420, 23865), (421, 23871), (428, 23985), (432, 24105), (441, 24285), (457, 24510), (469, 24660), (483, 24816), (484, 24825), (489, 24867), (503, 24966), (504, 24972), (511, 25002), (513, 25035), (516, 25047),

Gene: Fitzgerald_31 Start: 25116, Stop: 29930, Start Num: 9

Candidate Starts for Fitzgerald_31:

(Start: 9 @25116 has 61 MA's), (25, 25290), (27, 25314), (59, 25452), (69, 25491), (71, 25497), (74, 25509), (78, 25527), (82, 25539), (83, 25566), (87, 25584), (90, 25596), (92, 25602), (107, 25695), (119, 25815), (120, 25836), (123, 25896), (125, 25929), (128, 25971), (131, 26007), (135, 26043), (137, 26058), (138, 26061), (145, 26172), (146, 26208), (148, 26259), (151, 26301), (153, 26331), (157, 26382), (160, 26415), (161, 26448), (162, 26460), (170, 26541), (173, 26562), (176, 26574), (185, 26670), (186, 26685), (187, 26706), (188, 26757), (190, 26766), (202, 26892), (203, 26901), (207, 26961), (213, 27006), (216, 27015), (224, 27042), (228, 27069), (230, 27090), (233, 27126), (240, 27192), (242, 27228), (247, 27315), (248, 27318), (252, 27345), (262, 27396), (265, 27402), (283, 27528), (305, 27630), (311, 27663), (317, 27726), (324, 27780), (330, 27843), (345, 27954), (351, 27981), (352, 27987), (362, 28089), (364, 28101), (369, 28155), (372, 28182), (376, 28209), (380, 28248), (383, 28272), (386, 28287), (388, 28314), (393, 28386), (394, 28395), (398, 28455), (401, 28500), (416, 28689), (420, 28815), (421, 28821), (422, 28839), (429, 28935), (433, 29040), (439, 29139), (451, 29283), (454, 29358), (460, 29445), (497, 29784), (504, 29823), (505, 29829), (508, 29835), (512, 29862), (515, 29898), (517, 29910),

Gene: Flatwoods_33 Start: 23847, Stop: 28862, Start Num: 9

Candidate Starts for Flatwoods_33:

(Start: 9 @23847 has 61 MA's), (14, 23922), (19, 23967), (25, 24021), (27, 24045), (31, 24087), (32, 24105), (35, 24120), (43, 24192), (47, 24219), (54, 24294), (56, 24303), (63, 24339), (64, 24360), (65, 24378), (66, 24384), (69, 24402), (75, 24429), (107, 24636), (109, 24648), (112, 24696), (123, 24837), (125, 24870), (128, 24912), (135, 24984), (137, 24999), (138, 25002), (145, 25113), (146, 25149), (148, 25200), (151, 25242), (153, 25272), (157, 25323), (160, 25356), (161, 25389), (162, 25401), (170, 25482), (176, 25515), (177, 25518), (181, 25575), (185, 25611), (186, 25626), (187, 25647), (188, 25698), (202, 25833), (207, 25902), (212, 25941), (213, 25947), (216, 25956), (224, 25983), (228, 26010), (230, 26031), (233, 26067), (235, 26091), (236, 26094), (239, 26130), (242, 26169), (248, 26259), (254, 26289), (262, 26337), (265, 26343), (282, 26466), (283, 26469), (284, 26475), (295, 26532), (301, 26544), (305, 26571), (311, 26604), (312, 26610), (317, 26667), (324, 26721), (330, 26784), (345, 26895), (351, 26922), (352, 26928), (362, 27030), (369, 27096), (386, 27228), (388, 27255), (394, 27336), (398, 27396), (401, 27441), (418, 27747), (420, 27756), (423, 27783), (427, 27852), (433, 27981), (439, 28080), (451, 28224), (454, 28293), (455, 28299), (456, 28305), (460, 28380), (462, 28410), (475, 28548), (485, 28608), (489, 28644), (492, 28689), (497, 28716), (504, 28755), (505, 28761), (508, 28767), (512, 28794), (515, 28830), (517, 28842),

Gene: Fosterous_31 Start: 24949, Stop: 29772, Start Num: 9

Candidate Starts for Fosterous_31:

(Start: 9 @24949 has 61 MA's), (25, 25123), (27, 25147), (59, 25285), (68, 25318), (71, 25330), (74, 25342), (78, 25360), (82, 25372), (87, 25417), (107, 25528), (120, 25669), (123, 25729), (125, 25762), (128, 25804), (131, 25840), (135, 25876), (137, 25891), (138, 25894), (145, 26005), (146, 26041), (148, 26092), (151, 26134), (153, 26164), (157, 26215), (160, 26248), (161, 26281), (162, 26293), (170, 26374), (176, 26407), (185, 26503), (186, 26518), (187, 26539), (188, 26590), (190, 26599), (195, 26677), (202, 26725), (203, 26734), (207, 26794), (212, 26833), (213, 26839), (216, 26848), (224, 26875), (228, 26902), (230, 26923), (233, 26959), (240, 27025), (241, 27046), (242, 27061), (247, 27148), (248, 27151), (262, 27229), (273, 27289), (283, 27361), (305, 27463), (311, 27496), (317, 27559), (324, 27613), (330, 27676), (345, 27787), (351, 27814), (352, 27820), (362, 27922), (364, 27934), (369, 27988), (372, 28015), (376, 28042), (380, 28081), (383, 28105), (386, 28120), (388, 28147), (393, 28219), (394, 28228), (398, 28288), (401, 28333), (420, 28648), (421, 28654), (422, 28672), (429, 28768), (433, 28873), (439, 28972), (451, 29116), (454, 29191), (456, 29203), (460, 29287), (497, 29626), (504, 29665), (505, 29671), (508, 29677), (512, 29704), (515, 29740), (517, 29752),

Gene: FuegoCuervo_35 Start: 23500, Stop: 28317, Start Num: 9

Candidate Starts for FuegoCuervo_35:

(Start: 9 @23500 has 61 MA's), (25, 23674), (27, 23698), (59, 23836), (68, 23869), (71, 23881), (74, 23893), (78, 23911), (82, 23923), (87, 23968), (90, 23980), (107, 24079), (119, 24199), (120, 24220), (123, 24280), (125, 24313), (128, 24355), (131, 24391), (135, 24427), (137, 24442), (138, 24445), (145, 24556), (146, 24592), (148, 24643), (151, 24685), (153, 24715), (157, 24766), (160, 24799), (161, 24832), (162, 24844), (170, 24925), (173, 24946), (176, 24958), (185, 25054), (186, 25069), (187, 25090), (188, 25141), (190, 25150), (195, 25228), (202, 25276), (203, 25285), (207, 25345), (213, 25390), (216, 25399), (224, 25426), (228, 25453), (230, 25474), (233, 25510), (240, 25576), (242, 25612), (247, 25699), (248, 25702), (249, 25711), (252, 25729), (262, 25780), (265, 25786), (283, 25912), (301, 25987), (305, 26014), (311, 26047), (317, 26110), (324, 26164), (330, 26227), (345, 26338), (351, 26365), (352, 26371), (362, 26473), (364, 26485), (369, 26539), (372, 26566), (376, 26593), (380, 26632), (383, 26656), (386, 26671), (388, 26698), (393, 26770), (394, 26779), (398, 26839), (401, 26884), (416, 27073), (420, 27202), (421, 27208), (422, 27226), (429, 27322), (433, 27427), (439, 27526), (451, 27670), (454, 27745), (456, 27757), (460, 27832), (497, 28171), (504, 28210), (505, 28216), (508, 28222), (512, 28249), (515, 28285), (517, 28297),

Gene: Fugax_31 Start: 20106, Stop: 25637, Start Num: 1

Candidate Starts for Fugax_31:

(Start: 1 @20106 has 29 MA's), (3, 20193), (4, 20280), (6, 20313), (7, 20337), (13, 20460), (15, 20481), (17, 20487), (19, 20511), (24, 20541), (26, 20580), (38, 20664), (42, 20700), (44, 20724), (50, 20763), (104, 21153), (120, 21321), (123, 21381), (128, 21453), (129, 21465), (132, 21501), (134, 21525), (142, 21624), (143, 21627), (145, 21657), (147, 21732), (148, 21744), (151, 21786), (153, 21816), (157, 21867), (169, 22008), (170, 22026), (171, 22038), (173, 22047), (184, 22149), (186, 22170), (187, 22191), (188, 22242), (189, 22245), (190, 22251), (195, 22329), (199, 22359), (202, 22377), (207, 22446), (210, 22479), (212, 22485), (214, 22494), (217, 22500), (228, 22554), (231, 22599), (234, 22626), (235, 22635), (237, 22656), (242, 22713), (244, 22749), (252, 22830), (254, 22833), (260, 22902), (271, 22974), (280, 23070), (288, 23136), (289, 23139), (293, 23163), (297, 23190), (298, 23193), (299, 23196), (300, 23202), (308, 23271), (310, 23280), (314, 23325), (315, 23334), (326, 23412), (331, 23466), (338, 23520), (344, 23577), (354, 23619), (358, 23655), (362, 23718), (368, 23769), (381, 23880), (387, 23919), (391, 24000), (404, 24174), (405, 24177), (408, 24210), (418, 24417), (420, 24426), (421, 24432), (437, 24744), (450, 24951), (457, 25089), (469, 25239), (475, 25350), (483, 25395), (484, 25404), (485, 25410), (489, 25446), (501, 25539), (504, 25551), (511, 25581), (513, 25614), (516, 25626),

Gene: GTE6_30 Start: 21946, Stop: 27066, Start Num: 9

Candidate Starts for GTE6_30:

(Start: 9 @21946 has 61 MA's), (19, 22066), (25, 22120), (28, 22153), (33, 22210), (35, 22219), (36, 22222), (43, 22291), (45, 22303), (47, 22318), (51, 22354), (54, 22393), (55, 22399), (57, 22405), (63, 22438), (68, 22480), (70, 22489), (72, 22498), (73, 22504), (86, 22582), (89, 22600), (96, 22639), (105, 22696), (107, 22711), (128, 22975), (135, 23047), (138, 23065), (142, 23143), (145, 23176), (146, 23212), (147, 23251), (148, 23263), (153, 23335), (154, 23359), (155, 23365), (157, 23386), (159, 23407), (160, 23419), (164, 23470), (166, 23500), (173, 23566), (184, 23668), (187, 23710), (189, 23764), (191, 23794), (192, 23797), (195, 23848), (198, 23875), (202, 23896), (206, 23962), (210, 23998), (212, 24004), (222, 24034), (223, 24043), (226, 24055), (227, 24067), (228, 24073), (230, 24094), (234, 24145), (238, 24178), (239, 24193), (241, 24217), (251, 24352), (263, 24427), (264, 24430), (279, 24535), (281, 24553), (290, 24583), (302, 24634), (311, 24691), (318, 24766), (319, 24775), (320, 24784), (321, 24790), (327, 24832), (328, 24841), (332, 24874), (333, 24886), (336, 24907), (337, 24919), (340, 24952), (343, 24973), (360, 25105), (366, 25159), (389, 25366), (397, 25480), (399, 25492), (403, 25570), (408, 25618), (411, 25636), (414, 25714), (423, 25903), (425, 25933), (430, 26104), (435, 26131), (445, 26338), (446, 26341), (448, 26359), (465, 26608), (467, 26626), (470, 26638), (479, 26758), (498, 26914), (499, 26917), (507, 26959), (509, 26977), (512, 26992), (514, 27031),

Gene: Gaea_32 Start: 23498, Stop: 28510, Start Num: 9

Candidate Starts for Gaea_32:

(Start: 9 @23498 has 61 MA's), (14, 23573), (19, 23618), (25, 23672), (27, 23696), (31, 23738), (32, 23756), (35, 23771), (43, 23843), (47, 23870), (54, 23945), (56, 23954), (64, 24011), (65, 24029), (66, 24035), (107, 24287), (109, 24299), (112, 24347), (123, 24488), (125, 24521), (128, 24563), (135, 24635), (137, 24650), (138, 24653), (145, 24764), (146, 24800), (148, 24851), (151, 24893), (153, 24923), (157, 24974), (160, 25007), (161, 25040), (162, 25052), (170, 25133), (176, 25166), (177, 25169), (181, 25226), (185, 25262), (186, 25277), (187, 25298), (188, 25349), (202, 25484), (203, 25493), (210, 25586), (212, 25592), (213, 25598), (216, 25607), (223, 25631), (226, 25643), (228, 25661), (233, 25718), (242, 25820), (245, 25862), (248, 25910), (254, 25940), (262, 25988), (265, 25994), (283, 26120), (295, 26183), (301, 26195), (303, 26216), (305, 26222), (311, 26255), (317, 26318), (324, 26372), (345, 26546), (351, 26573), (352, 26579), (362, 26681), (369, 26747), (386, 26879), (388, 26906), (394, 26987), (398, 27047), (401, 27092), (418, 27398), (420, 27407), (423, 27434), (439, 27728), (451, 27872), (454, 27941), (455, 27947), (456, 27953), (460, 28028), (462, 28058), (475, 28196), (485, 28256), (489, 28292), (492, 28337), (497, 28364), (504, 28403), (505, 28409), (508, 28415), (512, 28442), (515, 28478), (517, 28490),

Gene: Galadriel_33 Start: 25438, Stop: 30261, Start Num: 9

Candidate Starts for Galadriel_33:

(Start: 9 @25438 has 61 MA's), (25, 25612), (27, 25636), (59, 25774), (71, 25819), (74, 25831), (78, 25849), (82, 25861), (83, 25888), (87, 25906), (90, 25918), (107, 26017), (119, 26137), (120, 26158), (123, 26218), (125, 26251), (128, 26293), (131, 26329), (135, 26365), (137, 26380), (138, 26383), (145, 26494), (146, 26530), (148, 26581), (151, 26623), (153, 26653), (157, 26704), (160, 26737), (161, 26770), (162, 26782), (170, 26863), (172, 26881), (173, 26884), (176, 26896), (185, 26992), (186, 27007), (187, 27028), (188, 27079), (190, 27088), (195, 27166), (202, 27214), (203, 27223), (207, 27283), (213, 27328), (216, 27337), (224, 27364), (228, 27391), (230, 27412), (233, 27448), (240, 27514), (242, 27550), (247, 27637), (248, 27640), (249, 27649), (252, 27667), (262, 27718), (265, 27724), (283, 27850), (301, 27925), (305, 27952), (311, 27985), (317, 28048), (324, 28102), (330, 28165), (345, 28276), (351, 28303), (352, 28309), (362, 28411), (364, 28423), (369, 28477), (372, 28504), (376, 28531), (380, 28570), (383, 28594), (388, 28636), (393, 28708), (394, 28717), (398, 28777), (401, 28822), (420, 29137), (421, 29143), (422, 29161), (429, 29257), (433, 29362), (439, 29461), (451, 29605), (454, 29680), (456, 29692), (460, 29776), (497, 30115), (504, 30154), (505, 30160), (508, 30166), (512, 30193), (515, 30229), (517, 30241),

Gene: Geodirt_30 Start: 24421, Stop: 29247, Start Num: 9

Candidate Starts for Geodirt_30:

(Start: 9 @24421 has 61 MA's), (25, 24595), (27, 24619), (59, 24757), (69, 24796), (71, 24802), (74, 24814), (78, 24832), (82, 24844), (83, 24871), (87, 24889), (107, 25000), (119, 25120), (120, 25141), (123, 25201), (125, 25234), (128, 25276), (131, 25312), (135, 25348), (137, 25363), (138, 25366), (145, 25477), (146, 25513), (148, 25564), (151, 25606), (153, 25636), (157, 25687), (160, 25720), (161, 25753), (162, 25765), (170, 25846), (173, 25867), (176, 25879), (185, 25975), (186, 25990), (187, 26011), (188, 26062), (190, 26071), (195, 26149), (202, 26197), (203, 26206), (207, 26266), (213, 26311), (216, 26320), (224, 26347), (228, 26374), (230, 26395), (233, 26431), (240, 26497), (242, 26533), (247, 26620), (248, 26623), (262, 26701), (273, 26761), (283, 26833), (295, 26896), (303, 26929), (305, 26935), (307, 26944), (311, 26968), (317, 27031), (324, 27085), (330, 27148), (345, 27259), (351, 27286), (352, 27292), (362, 27394), (364, 27406), (369, 27460), (372, 27487), (376, 27514), (380, 27553), (383, 27577), (386, 27592), (388, 27619), (393, 27691), (394, 27700), (398, 27760), (401, 27805), (420, 28123), (421, 28129), (422, 28147), (429, 28243), (439, 28447), (451, 28591), (454, 28666), (456, 28678), (460, 28762), (497, 29101), (504, 29140), (505, 29146), (508, 29152), (512, 29179), (515, 29215), (517, 29227),

Gene: Gezellig_30 Start: 19524, Stop: 25055, Start Num: 1

Candidate Starts for Gezellig_30:

(Start: 1 @19524 has 29 MA's), (3, 19611), (4, 19698), (6, 19731), (7, 19755), (13, 19878), (15, 19899), (17, 19905), (19, 19929), (24, 19959), (26, 19998), (38, 20082), (42, 20118), (44, 20142), (50, 20181), (104, 20571), (120, 20739), (123, 20799), (128, 20871), (129, 20883), (132, 20919), (134, 20943), (142, 21042), (143, 21045), (145, 21075), (147, 21150), (148, 21162), (151, 21204), (153, 21234), (157, 21285), (169, 21426), (170, 21444), (171, 21456), (173, 21465), (184, 21567), (186, 21588), (187, 21609), (188, 21660), (189, 21663), (190, 21669), (195, 21747), (199, 21777), (202, 21795), (207, 21864), (210, 21897), (212, 21903), (214, 21912), (217, 21918), (228, 21972), (231, 22017), (234, 22044), (235, 22053), (237, 22074), (242, 22131), (244, 22167), (252, 22248), (254, 22251), (260, 22320), (271, 22392), (280, 22488), (288, 22554), (289, 22557), (293, 22581), (297, 22608), (298, 22611), (299, 22614), (300, 22620), (308, 22689), (310, 22698), (314, 22743), (315, 22752), (326, 22830), (331, 22884), (338, 22938), (344, 22995), (354, 23037), (358, 23073), (362, 23136), (368, 23187), (381, 23298), (387, 23337), (391, 23418), (404, 23592), (405, 23595), (408, 23628), (418, 23835), (420, 23844), (421, 23850), (437, 24162), (450, 24369), (457, 24507), (469, 24657), (475, 24768), (483, 24813), (484, 24822), (485, 24828), (489, 24864), (501, 24957), (504, 24969), (511, 24999), (513, 25032), (516, 25044),

Gene: Gustavo_32 Start: 23650, Stop: 28665, Start Num: 9

Candidate Starts for Gustavo_32:

(Start: 9 @23650 has 61 MA's), (16, 23737), (19, 23770), (25, 23824), (27, 23848), (31, 23890), (32, 23908), (35, 23923), (43, 23995), (47, 24022), (54, 24097), (56, 24106), (64, 24163), (65, 24181), (66, 24187), (69, 24205), (75, 24232), (107, 24439), (109, 24451), (112, 24499), (123, 24640), (125, 24673), (128, 24715), (135, 24787), (137, 24802), (138, 24805), (145, 24916), (146, 24952), (148, 25003), (151, 25045), (153, 25075), (155, 25105), (160, 25159), (161, 25192), (170, 25285), (176, 25318), (177, 25321), (181, 25378), (185, 25414), (186, 25429), (187, 25450), (188, 25501), (202, 25636), (203, 25645), (210, 25738), (212, 25744), (213, 25750), (216, 25759), (221, 25771), (223, 25783), (226, 25795), (228, 25813), (233, 25870), (242, 25972), (248, 26062), (254, 26092), (262, 26140), (265, 26146), (282, 26269), (283, 26272), (295, 26335), (301, 26347), (303, 26368), (305, 26374), (311, 26407), (317, 26470), (324, 26524), (345, 26698), (351, 26725), (352, 26731), (362, 26833), (369, 26899), (386, 27031), (388, 27058), (394, 27139), (398, 27199), (401, 27244), (418, 27550), (420, 27559), (423, 27586), (427, 27655), (433, 27784), (439, 27883), (451, 28027), (454, 28096), (455, 28102), (456, 28108), (460, 28183), (462, 28213), (474, 28318), (475, 28351), (485, 28411), (489, 28447), (492, 28492), (497, 28519), (504, 28558), (505, 28564), (508, 28570), (512, 28597), (515, 28633), (517, 28645),

Gene: Halo3_30 Start: 19817, Stop: 25348, Start Num: 1

Candidate Starts for Halo3_30:

(Start: 1 @19817 has 29 MA's), (3, 19904), (4, 19991), (6, 20024), (7, 20048), (13, 20171), (15, 20192), (17, 20198), (19, 20222), (24, 20252), (26, 20291), (38, 20375), (42, 20411), (44, 20435), (50, 20474), (104, 20864), (120, 21032), (123, 21092), (128, 21164), (129, 21176), (132, 21212), (134, 21236), (142, 21335), (143, 21338), (145, 21368), (147, 21443), (148, 21455), (151, 21497), (153, 21527), (157, 21578), (169, 21719), (170, 21737), (171, 21749), (173, 21758), (184, 21860), (186, 21881), (187, 21902), (188, 21953), (189, 21956), (190, 21962), (195, 22040), (199, 22070), (202, 22088), (207, 22157), (210, 22190), (212, 22196), (214, 22205), (217, 22211), (228, 22265), (231, 22310), (234, 22337), (235, 22346), (237, 22367), (242, 22424), (244, 22460), (252, 22541), (254, 22544), (260, 22613), (271, 22685), (280, 22781), (288, 22847), (289, 22850), (293, 22874), (297, 22901), (298, 22904), (299, 22907), (300, 22913), (308, 22982), (310, 22991), (314, 23036), (315, 23045), (326, 23123), (331, 23177), (338, 23231), (344, 23288), (354, 23330), (358, 23366), (362, 23429), (368, 23480), (381, 23591), (387, 23630), (391, 23711), (404, 23885), (405, 23888), (408, 23921), (418, 24128), (420, 24137), (421, 24143), (437, 24455), (450, 24662), (457, 24800), (469, 24950), (475, 25061), (483, 25106), (484, 25115), (485, 25121), (489, 25157), (501, 25250), (504, 25262), (511, 25292), (513, 25325), (516, 25337),

Gene: Hans_33 Start: 23262, Stop: 28151, Start Num: 10

Candidate Starts for Hans_33:

(Start: 10 @23262 has 8 MA's), (19, 23382), (25, 23436), (27, 23460), (35, 23535), (36, 23538), (47, 23634), (54, 23709), (55, 23715), (57, 23721), (61, 23745), (63, 23754), (72, 23814), (73, 23820), (77, 23829), (82, 23859), (89, 23916), (96, 23955), (98, 23964), (107, 24027), (108, 24030), (114, 24105), (115, 24114), (125, 24249), (126, 24258), (128, 24291), (130, 24315), (138, 24381), (140, 24444), (146, 24528), (147, 24567), (148, 24579), (152, 24627), (153, 24651), (157, 24702), (160, 24735), (164, 24786), (167, 24816), (171, 24873), (174, 24885), (177, 24897), (182, 24972), (187, 25026), (189, 25080), (192, 25113), (201, 25200), (202, 25212), (203, 25221), (207, 25281), (208, 25293), (210, 25314), (212, 25320), (213, 25326), (214, 25329), (215, 25332), (223, 25359), (224, 25362), (226, 25371), (227, 25383), (228, 25389), (231, 25434), (235, 25470), (236, 25473), (238, 25494), (246, 25611), (254, 25668), (268, 25755), (277, 25821), (301, 25878), (302, 25881), (305, 25905), (316, 25995), (322, 26043), (338, 26172), (347, 26241), (349, 26250), (353, 26271), (356, 26289), (358, 26307), (372, 26463), (373, 26466), (386, 26571), (394, 26679), (398, 26739), (400, 26769), (406, 26850), (419, 27081), (420, 27087), (424, 27135), (425, 27150), (428, 27216), (434, 27348), (440, 27477), (441, 27516), (472, 27843), (478, 27939), (493, 28062), (500, 28104), (502, 28116),

Gene: Inspectinfecti_32 Start: 23624, Stop: 28513, Start Num: 10

Candidate Starts for Inspectinfecti_32:

(Start: 10 @23624 has 8 MA's), (19, 23744), (25, 23798), (27, 23822), (35, 23897), (36, 23900), (47, 23996), (54, 24071), (55, 24077), (57, 24083), (61, 24107), (63, 24116), (72, 24176), (73, 24182), (77, 24191), (82, 24221), (89, 24278), (96, 24317), (98, 24326), (107, 24389), (108, 24392), (114, 24467), (115, 24476), (125, 24611), (126, 24620), (128, 24653), (130, 24677), (138, 24743), (140, 24806), (146, 24890), (147, 24929), (148, 24941), (152, 24989), (153, 25013), (157, 25064), (160, 25097), (164, 25148), (167, 25178), (171, 25235), (174, 25247), (177, 25259), (182, 25334), (187, 25388), (189, 25442), (190, 25448), (192, 25475), (195, 25526), (201, 25562), (202, 25574), (203, 25583), (207, 25643), (208, 25655), (212, 25682), (213, 25688), (214, 25691), (215, 25694), (223, 25721), (224, 25724), (226, 25733), (227, 25745), (228, 25751), (231, 25796), (235, 25832), (236, 25835), (238, 25856), (246, 25973), (254, 26030), (268, 26117), (277, 26183), (301, 26240), (302, 26243), (305, 26267), (316, 26357), (322, 26405), (338, 26534), (347, 26603), (349, 26612), (353, 26633), (356, 26651), (358, 26669), (372, 26825), (373, 26828), (386, 26933), (394, 27041), (398, 27101), (400, 27131), (406, 27212), (419, 27443), (420, 27449), (424, 27497), (425, 27512), (428, 27578), (434, 27710), (440, 27839), (441, 27878), (472, 28205), (478, 28301), (493, 28424), (500, 28466), (502, 28478),

Gene: JKSyngboy_30 Start: 24222, Stop: 29240, Start Num: 9

Candidate Starts for JKSyngboy_30:

(Start: 9 @24222 has 61 MA's), (14, 24297), (25, 24396), (27, 24420), (31, 24462), (32, 24480), (35, 24495), (43, 24567), (47, 24594), (56, 24678), (65, 24753), (66, 24759), (69, 24777), (107, 25011), (112, 25071), (123, 25212), (125, 25245), (128, 25287), (135, 25359), (137, 25374), (138, 25377), (145, 25488), (146, 25524), (148, 25575), (151, 25617), (153, 25647), (160, 25731), (161, 25764), (162, 25776), (170, 25857), (176, 25890), (177, 25893), (183, 25977), (185, 25986), (186, 26001), (187, 26022), (188, 26073), (195, 26160), (202, 26208), (203, 26217), (210, 26310), (212, 26316), (213, 26322), (216, 26331), (221, 26343), (223, 26355), (226, 26367), (228, 26385), (233, 26442), (242, 26544), (245, 26586), (248, 26634), (254, 26664), (262, 26712), (265, 26718), (276, 26793), (283, 26844), (284, 26850), (295, 26907), (301, 26919), (303, 26940), (305, 26946), (311, 26979), (312, 26985), (317, 27042), (324, 27096), (345, 27270), (351, 27297), (352, 27303), (362, 27405), (369, 27471), (380, 27564), (388, 27630), (393, 27702), (394, 27711), (398, 27771), (401, 27816), (418, 28119), (420, 28128), (421, 28134), (423, 28155), (429, 28254), (433, 28359), (439, 28458), (451, 28602), (454, 28671), (455, 28677), (456, 28683), (460, 28758), (462, 28788), (475, 28926), (485, 28986), (489, 29022), (492, 29067), (497, 29094), (504, 29133), (505, 29139), (508, 29145), (512, 29172), (515, 29208), (517, 29220),

Gene: Jabberwocky_31 Start: 25577, Stop: 30391, Start Num: 9

Candidate Starts for Jabberwocky_31:

(Start: 9 @25577 has 61 MA's), (25, 25751), (27, 25775), (59, 25913), (71, 25958), (74, 25970), (78, 25988), (82, 26000), (83, 26027), (87, 26045), (90, 26057), (107, 26156), (119, 26276), (120, 26297), (123, 26357), (125, 26390), (128, 26432), (131, 26468), (135, 26504), (137, 26519), (138, 26522), (145, 26633), (146, 26669), (148, 26720), (151, 26762), (153, 26792), (157, 26843), (160, 26876), (161, 26909), (162, 26921), (170, 27002), (173, 27023), (176, 27035), (185, 27131), (186, 27146), (187, 27167), (188, 27218), (190, 27227), (195, 27305), (202, 27353), (203, 27362), (207, 27422), (213, 27467), (216, 27476), (224, 27503), (228, 27530), (230, 27551), (233, 27587), (240, 27653), (242, 27689), (247, 27776), (248, 27779), (252, 27806), (262, 27857), (265, 27863), (283, 27989), (305, 28091), (311, 28124), (317, 28187), (324, 28241), (330, 28304), (345, 28415), (351, 28442), (352, 28448), (362, 28550), (369, 28616), (372, 28643), (376, 28670), (380, 28709), (383, 28733), (388, 28775), (393, 28847), (394, 28856), (398, 28916), (401, 28961), (420, 29276), (421, 29282), (422, 29300), (429, 29396), (433, 29501), (439, 29600), (451, 29744), (454, 29819), (456, 29831), (460, 29906), (497, 30245), (504, 30284), (505, 30290), (508, 30296), (512, 30323), (515, 30359), (517, 30371),

Gene: Jambalaya_29 Start: 19171, Stop: 24702, Start Num: 1

Candidate Starts for Jambalaya_29:

(Start: 1 @19171 has 29 MA's), (3, 19258), (4, 19345), (6, 19378), (7, 19402), (13, 19525), (15, 19546), (17, 19552), (19, 19576), (24, 19606), (26, 19645), (38, 19729), (42, 19765), (44, 19789), (50, 19828), (104, 20218), (120, 20386), (123, 20446), (128, 20518), (129, 20530), (132, 20566), (134, 20590), (142, 20689), (143, 20692), (145, 20722), (147, 20797), (148, 20809), (151, 20851), (153, 20881), (157, 20932), (169, 21073), (170, 21091), (171, 21103), (173, 21112), (184, 21214), (186, 21235), (187, 21256), (188, 21307), (189, 21310), (190, 21316), (195, 21394), (199, 21424), (202, 21442), (207, 21511), (210, 21544), (212, 21550), (214, 21559), (217, 21565), (228, 21619), (231, 21664), (234, 21691), (235, 21700), (237, 21721), (242, 21778), (244, 21814), (252, 21895), (254, 21898), (260, 21967), (271, 22039), (280, 22135), (288, 22201), (289, 22204), (293, 22228), (297, 22255), (298, 22258), (299, 22261), (300, 22267), (308, 22336), (310, 22345), (314, 22390), (315, 22399), (326, 22477), (331, 22531), (338, 22585), (344, 22642), (354, 22684), (358, 22720), (362, 22783), (368, 22834), (381, 22945), (387, 22984), (391, 23065), (404, 23239), (405, 23242), (408, 23275), (418, 23482), (420, 23491), (421, 23497), (437, 23809), (450, 24016), (457, 24154), (469, 24304), (475, 24415), (483, 24460), (484, 24469), (489, 24511), (501, 24604), (504, 24616), (511, 24646), (513, 24679), (516, 24691),

Gene: Kamashten_32 Start: 25026, Stop: 29843, Start Num: 9

Candidate Starts for Kamashten_32:

(Start: 9 @25026 has 61 MA's), (25, 25200), (27, 25224), (59, 25362), (71, 25407), (74, 25419), (78, 25437), (82, 25449), (83, 25476), (87, 25494), (90, 25506), (107, 25605), (119, 25725), (120, 25746), (123, 25806), (125, 25839), (128, 25881), (135, 25953), (137, 25968), (138, 25971), (145, 26082), (146, 26118), (148, 26169), (151, 26211), (153, 26241), (157, 26292), (160, 26325), (161, 26358), (162, 26370), (170, 26451), (173, 26472), (176, 26484), (185, 26580), (186, 26595), (187, 26616), (188, 26667), (190, 26676), (195, 26754), (202, 26802), (203, 26811), (207, 26871), (213, 26916), (216, 26925), (224, 26952), (228, 26979), (230, 27000), (233, 27036), (240, 27102), (242, 27138), (247, 27225), (248, 27228), (249, 27237), (252, 27255), (262, 27306), (265, 27312), (283, 27438), (301, 27513), (305, 27540), (311, 27573), (317, 27636), (324, 27690), (330, 27753), (345, 27864), (351, 27891), (352, 27897), (362, 27999), (364, 28011), (369, 28065), (372, 28092), (376, 28119), (380, 28158), (383, 28182), (388, 28224), (393, 28296), (394, 28305), (398, 28365), (401, 28410), (420, 28728), (421, 28734), (422, 28752), (429, 28848), (433, 28953), (439, 29052), (451, 29196), (454, 29271), (456, 29283), (460, 29358), (478, 29553), (497, 29697), (504, 29736), (505, 29742), (508, 29748), (512, 29775), (515, 29811), (517, 29823),

Gene: Keitabear_33 Start: 26382, Stop: 31208, Start Num: 9

Candidate Starts for Keitabear_33:

(Start: 9 @26382 has 61 MA's), (25, 26556), (27, 26580), (59, 26718), (71, 26763), (74, 26775), (78, 26793), (82, 26805), (83, 26832), (87, 26850), (90, 26862), (107, 26961), (119, 27081), (120, 27102), (123, 27162), (125, 27195), (128, 27237), (131, 27273), (135, 27309), (137, 27324), (138, 27327), (145, 27438), (146, 27474), (148, 27525), (151, 27567), (153, 27597), (157, 27648), (160, 27681), (161, 27714), (162, 27726), (170, 27807), (173, 27828), (176, 27840), (185, 27936), (186, 27951), (187, 27972), (188, 28023), (190, 28032), (195, 28110), (202, 28158), (203, 28167), (207, 28227), (213, 28272), (216, 28281), (224, 28308), (228, 28335), (230, 28356), (233, 28392), (240, 28458), (242, 28494), (247, 28581), (248, 28584), (249, 28593), (252, 28611), (262, 28662), (265, 28668), (283, 28794), (305, 28896), (311, 28929), (317, 28992), (324, 29046), (330, 29109), (345, 29220), (351, 29247), (352, 29253), (362, 29355), (369, 29421), (372, 29448), (376, 29475), (380, 29514), (383, 29538), (388, 29580), (393, 29652), (398, 29721), (401, 29766), (420, 30084), (421, 30090), (422, 30108), (429, 30204), (439, 30408), (451, 30552), (454, 30627), (456, 30639), (460, 30723), (497, 31062), (504, 31101), (505, 31107), (508, 31113), (512, 31140), (515, 31176), (517, 31188),

Gene: Kewpiedoll_32 Start: 24214, Stop: 29250, Start Num: 9

Candidate Starts for Kewpiedoll_32:

(Start: 9 @24214 has 61 MA's), (25, 24388), (27, 24412), (29, 24421), (31, 24454), (32, 24472), (35, 24487), (47, 24586), (54, 24661), (55, 24667), (56, 24670), (64, 24727), (65, 24745), (67, 24754), (69, 24769), (79, 24817), (97, 24934), (101, 24952), (102, 24964), (107, 25003), (120, 25144), (123, 25204), (125, 25237), (128, 25279), (135, 25351), (137, 25366), (138, 25369), (145, 25480), (146, 25516), (148, 25567), (151, 25609), (153, 25639), (157, 25690), (160, 25723), (161, 25756), (162, 25768), (170, 25849), (173, 25870), (176, 25882), (185, 25978), (186, 25993), (187, 26014), (188, 26065), (190, 26074), (195, 26152), (202, 26200), (203, 26209), (207, 26269), (213, 26314), (216, 26323), (224, 26350), (228, 26377), (230, 26398), (233, 26434), (240, 26500), (242, 26536), (247, 26623), (248, 26626), (262, 26704), (273, 26764), (283, 26836), (285, 26854), (295, 26899), (301, 26911), (303, 26932), (305, 26938), (307, 26947), (311, 26971), (317, 27034), (324, 27088), (330, 27151), (345, 27262), (351, 27289), (352, 27295), (362, 27397), (364, 27409), (369, 27463), (372, 27490), (376, 27517), (380, 27556), (386, 27595), (388, 27622), (393, 27694), (394, 27703), (398, 27763), (401, 27808), (416, 27997), (420, 28126), (421, 28132), (422, 28150), (429, 28246), (433, 28351), (439, 28450), (451, 28594), (454, 28669), (456, 28681), (460, 28765), (497, 29104), (504, 29143), (505, 29149), (508, 29155), (512, 29182), (515, 29218), (517, 29230),

Gene: KimmyK_31 Start: 20106, Stop: 25637, Start Num: 1

Candidate Starts for KimmyK_31:

(Start: 1 @20106 has 29 MA's), (3, 20193), (4, 20280), (6, 20313), (7, 20337), (13, 20460), (15, 20481), (17, 20487), (19, 20511), (24, 20541), (26, 20580), (38, 20664), (42, 20700), (44, 20724), (50, 20763),

(104, 21153), (120, 21321), (123, 21381), (128, 21453), (129, 21465), (132, 21501), (134, 21525), (142, 21624), (143, 21627), (145, 21657), (147, 21732), (148, 21744), (151, 21786), (153, 21816), (157, 21867), (169, 22008), (170, 22026), (171, 22038), (173, 22047), (184, 22149), (186, 22170), (187, 22191), (188, 22242), (189, 22245), (190, 22251), (195, 22329), (199, 22359), (202, 22377), (207, 22446), (210, 22479), (212, 22485), (214, 22494), (217, 22500), (228, 22554), (231, 22599), (234, 22626), (235, 22635), (237, 22656), (242, 22713), (244, 22749), (252, 22830), (254, 22833), (260, 22902), (271, 22974), (280, 23070), (288, 23136), (289, 23139), (293, 23163), (297, 23190), (298, 23193), (299, 23196), (300, 23202), (308, 23271), (310, 23280), (314, 23325), (315, 23334), (326, 23412), (331, 23466), (338, 23520), (344, 23577), (354, 23619), (358, 23655), (362, 23718), (368, 23769), (381, 23880), (387, 23919), (391, 24000), (404, 24174), (405, 24177), (408, 24210), (418, 24417), (420, 24426), (421, 24432), (437, 24744), (450, 24951), (457, 25089), (469, 25239), (475, 25350), (483, 25395), (484, 25404), (485, 25410), (489, 25446), (501, 25539), (504, 25551), (511, 25581), (513, 25614), (516, 25626),

Gene: Kroos_33 Start: 24403, Stop: 29418, Start Num: 9

Candidate Starts for Kroos_33:

(Start: 9 @24403 has 61 MA's), (14, 24478), (19, 24523), (25, 24577), (27, 24601), (31, 24643), (32, 24661), (35, 24676), (43, 24748), (47, 24775), (54, 24850), (56, 24859), (63, 24895), (64, 24916), (65, 24934), (66, 24940), (69, 24958), (75, 24985), (107, 25192), (109, 25204), (112, 25252), (123, 25393), (125, 25426), (128, 25468), (135, 25540), (137, 25555), (138, 25558), (145, 25669), (146, 25705), (148, 25756), (151, 25798), (153, 25828), (157, 25879), (160, 25912), (161, 25945), (162, 25957), (170, 26038), (176, 26071), (177, 26074), (181, 26131), (185, 26167), (186, 26182), (187, 26203), (188, 26254), (202, 26389), (207, 26458), (212, 26497), (213, 26503), (216, 26512), (224, 26539), (228, 26566), (230, 26587), (233, 26623), (235, 26647), (236, 26650), (239, 26686), (242, 26725), (243, 26743), (245, 26767), (248, 26815), (254, 26845), (262, 26893), (265, 26899), (282, 27022), (283, 27025), (284, 27031), (295, 27088), (301, 27100), (303, 27121), (305, 27127), (311, 27160), (312, 27166), (317, 27223), (324, 27277), (330, 27340), (345, 27451), (351, 27478), (352, 27484), (362, 27586), (369, 27652), (386, 27784), (388, 27811), (394, 27892), (398, 27952), (401, 27997), (418, 28303), (420, 28312), (423, 28339), (427, 28408), (433, 28537), (439, 28636), (451, 28780), (454, 28849), (455, 28855), (456, 28861), (460, 28936), (462, 28966), (475, 29104), (485, 29164), (489, 29200), (492, 29245), (497, 29272), (504, 29311), (505, 29317), (508, 29323), (512, 29350), (515, 29386), (517, 29398),

Gene: Kwekel_30 Start: 21376, Stop: 26505, Start Num: 9

Candidate Starts for Kwekel_30:

(Start: 9 @21376 has 61 MA's), (19, 21496), (25, 21550), (28, 21583), (33, 21640), (35, 21649), (36, 21652), (45, 21733), (47, 21748), (51, 21784), (54, 21823), (55, 21829), (57, 21835), (63, 21868), (68, 21910), (70, 21919), (72, 21928), (73, 21934), (86, 22012), (89, 22030), (96, 22069), (107, 22141), (125, 22363), (128, 22405), (135, 22477), (138, 22495), (142, 22573), (145, 22606), (146, 22642), (148, 22693), (153, 22765), (154, 22789), (155, 22795), (157, 22816), (160, 22849), (164, 22900), (166, 22930), (173, 22996), (179, 23041), (184, 23098), (187, 23140), (189, 23194), (192, 23227), (198, 23305), (206, 23392), (210, 23428), (212, 23434), (222, 23464), (223, 23473), (228, 23503), (230, 23524), (234, 23575), (238, 23608), (239, 23623), (251, 23782), (263, 23857), (264, 23860), (269, 23887), (278, 23962), (279, 23965), (281, 23983), (289, 24010), (295, 24049), (305, 24088), (311, 24121), (318, 24196), (319, 24205), (320, 24214), (321, 24220), (327, 24262), (328, 24271), (332, 24304), (333, 24316), (336, 24337), (337, 24349), (340, 24382), (343, 24403), (360, 24535), (366, 24589), (389, 24796), (392, 24835), (397, 24910), (408, 25048), (411, 25066), (414, 25144), (423, 25333), (425, 25363), (430, 25534), (435, 25561), (445, 25768), (446, 25771), (448, 25789), (465, 26038), (470, 26068), (479, 26197), (499, 26356), (507, 26398), (509, 26416), (512, 26431), (514, 26470),

Gene: Kwobi_33 Start: 24389, Stop: 29404, Start Num: 9

Candidate Starts for Kwobi_33:

(Start: 9 @24389 has 61 MA's), (16, 24476), (19, 24509), (25, 24563), (27, 24587), (31, 24629), (32, 24647), (35, 24662), (43, 24734), (47, 24761), (54, 24836), (56, 24845), (64, 24902), (65, 24920), (66, 24926), (107, 25178), (112, 25238), (123, 25379), (125, 25412), (128, 25454), (135, 25526), (137, 25541), (138, 25544), (145, 25655), (146, 25691), (148, 25742), (151, 25784), (153, 25814), (155, 25844), (160, 25898), (161, 25931), (170, 26024), (176, 26057), (177, 26060), (181, 26117), (185, 26153), (186, 26168), (187, 26189), (188, 26240), (202, 26375), (203, 26384), (210, 26477), (212, 26483), (213, 26489), (216, 26498), (223, 26522), (226, 26534), (228, 26552), (233, 26609), (242, 26711), (248, 26801), (254, 26831), (262, 26879), (265, 26885), (282, 27008), (283, 27011), (284, 27017), (295, 27074), (301, 27086), (303, 27107), (305, 27113), (311, 27146), (317, 27209), (324, 27263), (330, 27326), (345, 27437), (351, 27464), (352, 27470), (362, 27572), (369, 27638), (386, 27770), (388, 27797), (394, 27878), (398, 27938), (401, 27983), (418, 28289), (420, 28298), (423, 28325), (427, 28394), (433, 28523), (439, 28622), (451, 28766), (454, 28835), (455, 28841), (456, 28847), (460, 28922), (462, 28952), (475, 29090), (485, 29150), (489, 29186), (492, 29231), (497, 29258), (504, 29297), (505, 29303), (508, 29309), (512, 29336), (515, 29372), (517, 29384),

Gene: Lennon_33 Start: 26184, Stop: 30995, Start Num: 9

Candidate Starts for Lennon_33:

(Start: 9 @26184 has 61 MA's), (25, 26358), (27, 26382), (59, 26520), (69, 26559), (71, 26565), (74, 26577), (78, 26595), (82, 26607), (83, 26634), (87, 26652), (90, 26664), (107, 26763), (119, 26883), (120, 26904), (123, 26964), (125, 26997), (128, 27039), (131, 27075), (135, 27111), (137, 27126), (138, 27129), (145, 27240), (146, 27276), (148, 27327), (151, 27369), (153, 27399), (157, 27450), (160, 27483), (161, 27516), (162, 27528), (170, 27609), (173, 27630), (176, 27642), (185, 27738), (186, 27753), (187, 27774), (188, 27825), (190, 27834), (195, 27912), (202, 27960), (203, 27969), (207, 28029), (212, 28068), (213, 28074), (216, 28083), (224, 28110), (228, 28137), (230, 28158), (233, 28194), (240, 28260), (242, 28296), (247, 28383), (248, 28386), (252, 28413), (262, 28464), (265, 28470), (283, 28596), (305, 28698), (311, 28731), (317, 28794), (324, 28848), (330, 28911), (345, 29022), (351, 29049), (352, 29055), (362, 29157), (364, 29169), (369, 29223), (372, 29250), (376, 29277), (380, 29316), (383, 29340), (388, 29382), (393, 29454), (394, 29463), (398, 29523), (401, 29568), (420, 29883), (421, 29889), (422, 29907), (429, 30003), (433, 30108), (439, 30207), (451, 30351), (454, 30414), (456, 30426), (460, 30510), (497, 30849), (504, 30888), (505, 30894), (508, 30900), (512, 30927), (515, 30963), (517, 30975),

Gene: Leonard_31 Start: 23260, Stop: 28149, Start Num: 10

Candidate Starts for Leonard_31:

(Start: 10 @23260 has 8 MA's), (19, 23380), (25, 23434), (27, 23458), (35, 23533), (36, 23536), (47, 23632), (54, 23707), (55, 23713), (57, 23719), (61, 23743), (63, 23752), (72, 23812), (73, 23818), (77, 23827), (82, 23857), (89, 23914), (96, 23953), (98, 23962), (107, 24025), (108, 24028), (114, 24103), (115, 24112), (125, 24247), (126, 24256), (128, 24289), (130, 24313), (138, 24379), (140, 24442), (146, 24526), (147, 24565), (148, 24577), (152, 24625), (153, 24649), (157, 24700), (160, 24733), (164, 24784), (167, 24814), (171, 24871), (174, 24883), (177, 24895), (182, 24970), (187, 25024), (189, 25078), (190, 25084), (192, 25111), (201, 25198), (202, 25210), (203, 25219), (207, 25279), (208, 25291), (210, 25312), (212, 25318), (213, 25324), (214, 25327), (223, 25357), (224, 25360), (226, 25369), (227, 25381), (228, 25387), (231, 25432), (235, 25468), (236, 25471), (238, 25492), (246, 25609), (254, 25666), (268, 25753), (277, 25819), (301, 25876), (302, 25879), (305, 25903), (316, 25993), (322, 26041), (338, 26170), (347, 26239), (353, 26269), (356, 26287), (372, 26461), (373, 26464), (386, 26569), (393, 26668), (394, 26677), (398, 26737), (400, 26767), (406, 26848), (419, 27079), (420, 27085), (425, 27148), (434, 27346), (440, 27475), (441, 27514), (466, 27796), (472, 27841), (473, 27868), (478, 27937), (493, 28060), (500, 28102), (502, 28114),

Gene: LilHam_30 Start: 22983, Stop: 28007, Start Num: 9

Candidate Starts for LilHam_30:

(Start: 9 @22983 has 61 MA's), (16, 23070), (19, 23103), (25, 23157), (27, 23181), (31, 23223), (32, 23241), (35, 23256), (43, 23328), (47, 23355), (54, 23430), (56, 23439), (64, 23496), (65, 23514), (66,

23520), (107, 23772), (112, 23832), (123, 23973), (125, 24006), (128, 24048), (135, 24120), (137, 24135), (138, 24138), (145, 24249), (146, 24285), (148, 24336), (151, 24378), (153, 24408), (157, 24459), (160, 24492), (161, 24525), (162, 24537), (170, 24618), (176, 24651), (177, 24654), (181, 24711), (185, 24747), (186, 24762), (187, 24783), (188, 24834), (202, 24969), (203, 24978), (210, 25071), (212, 25077), (213, 25083), (216, 25092), (221, 25104), (223, 25116), (226, 25128), (228, 25146), (233, 25203), (242, 25305), (243, 25323), (245, 25347), (248, 25395), (254, 25425), (262, 25473), (265, 25479), (282, 25602), (283, 25605), (284, 25611), (295, 25668), (301, 25680), (303, 25701), (305, 25707), (311, 25740), (317, 25803), (324, 25857), (345, 26031), (351, 26058), (352, 26064), (362, 26166), (369, 26232), (388, 26391), (394, 26472), (398, 26532), (401, 26577), (418, 26889), (420, 26898), (423, 26925), (427, 26994), (433, 27123), (439, 27222), (451, 27366), (454, 27438), (455, 27444), (456, 27450), (460, 27525), (462, 27555), (475, 27693), (485, 27753), (489, 27789), (492, 27834), (497, 27861), (504, 27900), (505, 27906), (508, 27912), (512, 27939), (515, 27975), (517, 27987),

Gene: Lilbeanie_28 Start: 18351, Stop: 23423, Start Num: 9

Candidate Starts for Lilbeanie_28:

(Start: 9 @18351 has 61 MA's), (14, 18426), (22, 18492), (25, 18525), (27, 18549), (29, 18558), (40, 18633), (46, 18663), (52, 18693), (76, 18813), (96, 18930), (100, 18948), (107, 19002), (108, 19005), (110, 19035), (115, 19089), (121, 19140), (124, 19221), (125, 19224), (136, 19347), (138, 19359), (145, 19470), (146, 19506), (147, 19545), (149, 19569), (151, 19599), (153, 19629), (160, 19713), (161, 19749), (170, 19839), (175, 19869), (178, 19902), (179, 19905), (181, 19932), (187, 20004), (188, 20055), (189, 20058), (190, 20064), (192, 20091), (193, 20112), (195, 20142), (197, 20166), (200, 20175), (210, 20292), (212, 20298), (220, 20322), (222, 20328), (226, 20349), (228, 20367), (233, 20424), (239, 20487), (242, 20526), (255, 20649), (277, 20754), (293, 20823), (310, 20898), (324, 21006), (325, 21009), (334, 21066), (339, 21108), (341, 21123), (350, 21162), (354, 21171), (360, 21231), (363, 21255), (368, 21303), (371, 21327), (386, 21408), (388, 21435), (393, 21507), (394, 21516), (397, 21567), (398, 21576), (401, 21621), (420, 21915), (423, 21942), (447, 22335), (452, 22422), (459, 22542), (480, 22785), (487, 22827), (488, 22830), (494, 22911), (506, 22974), (513, 23034), (518, 23079), (519, 23091), (520, 23118), (521, 23181), (522, 23202), (523, 23241), (524, 23265), (525, 23301), (526, 23316), (527, 23349), (528, 23376), (529, 23388),

Gene: Love_36 Start: 25948, Stop: 30777, Start Num: 9

Candidate Starts for Love_36:

(Start: 9 @25948 has 61 MA's), (25, 26122), (27, 26146), (59, 26284), (71, 26329), (74, 26341), (78, 26359), (82, 26371), (83, 26398), (87, 26416), (90, 26428), (107, 26527), (119, 26647), (120, 26668), (123, 26728), (125, 26761), (128, 26803), (131, 26839), (135, 26875), (137, 26890), (138, 26893), (145, 27004), (146, 27040), (148, 27091), (151, 27133), (153, 27163), (157, 27214), (160, 27247), (162, 27292), (170, 27373), (173, 27394), (176, 27406), (185, 27502), (186, 27517), (187, 27538), (188, 27589), (190, 27598), (202, 27724), (203, 27733), (207, 27793), (213, 27838), (216, 27847), (224, 27874), (228, 27901), (230, 27922), (233, 27958), (240, 28024), (242, 28060), (247, 28147), (248, 28150), (249, 28159), (252, 28177), (262, 28228), (265, 28234), (283, 28360), (301, 28435), (305, 28462), (311, 28495), (317, 28558), (324, 28612), (330, 28675), (345, 28786), (351, 28813), (352, 28819), (362, 28921), (364, 28933), (369, 28987), (372, 29014), (376, 29041), (380, 29080), (388, 29146), (393, 29218), (394, 29227), (398, 29287), (401, 29332), (420, 29647), (421, 29653), (422, 29671), (429, 29767), (433, 29872), (439, 29971), (451, 30115), (454, 30196), (456, 30208), (460, 30292), (471, 30382), (497, 30631), (504, 30670), (505, 30676), (508, 30682), (512, 30709), (515, 30745), (517, 30757),

Gene: McKinley_35 Start: 25980, Stop: 30803, Start Num: 9

Candidate Starts for McKinley_35:

(Start: 9 @25980 has 61 MA's), (25, 26154), (27, 26178), (59, 26316), (71, 26361), (74, 26373), (78, 26391), (82, 26403), (83, 26430), (87, 26448), (90, 26460), (107, 26559), (119, 26679), (120, 26700), (123, 26760), (125, 26793), (128, 26835), (131, 26871), (135, 26907), (137, 26922), (138, 26925),

(145, 27036), (146, 27072), (148, 27123), (151, 27165), (153, 27195), (157, 27246), (160, 27279), (161, 27312), (162, 27324), (170, 27405), (173, 27426), (176, 27438), (185, 27534), (186, 27549), (187, 27570), (188, 27621), (190, 27630), (195, 27708), (202, 27756), (203, 27765), (207, 27825), (212, 27864), (213, 27870), (216, 27879), (224, 27906), (228, 27933), (230, 27954), (233, 27990), (240, 28056), (241, 28077), (242, 28092), (247, 28179), (248, 28182), (262, 28260), (273, 28320), (283, 28392), (305, 28494), (311, 28527), (317, 28590), (324, 28644), (330, 28707), (345, 28818), (351, 28845), (352, 28851), (362, 28953), (364, 28965), (369, 29019), (372, 29046), (376, 29073), (380, 29112), (383, 29136), (386, 29151), (388, 29178), (393, 29250), (394, 29259), (398, 29319), (401, 29364), (416, 29553), (420, 29682), (421, 29688), (422, 29706), (429, 29805), (433, 29910), (438, 29982), (439, 30009), (451, 30153), (454, 30222), (456, 30234), (460, 30318), (497, 30657), (504, 30696), (505, 30702), (508, 30708), (512, 30735), (515, 30771), (517, 30783),

Gene: MelBins_32 Start: 23406, Stop: 28298, Start Num: 10

Candidate Starts for MelBins_32:

(Start: 10 @23406 has 8 MA's), (19, 23526), (25, 23580), (27, 23604), (35, 23679), (36, 23682), (47, 23778), (54, 23853), (55, 23859), (57, 23865), (61, 23889), (63, 23898), (72, 23958), (73, 23964), (77, 23973), (82, 24003), (89, 24060), (96, 24099), (98, 24108), (99, 24111), (107, 24171), (108, 24174), (114, 24249), (115, 24258), (125, 24393), (126, 24402), (128, 24435), (130, 24459), (138, 24525), (140, 24588), (146, 24672), (147, 24711), (148, 24723), (152, 24771), (153, 24795), (160, 24879), (164, 24930), (167, 24960), (171, 25017), (174, 25029), (182, 25116), (187, 25170), (189, 25224), (190, 25230), (192, 25257), (201, 25344), (202, 25356), (203, 25365), (207, 25425), (208, 25437), (210, 25458), (212, 25464), (213, 25470), (214, 25473), (215, 25476), (223, 25503), (224, 25506), (226, 25515), (227, 25527), (228, 25533), (231, 25578), (235, 25614), (236, 25617), (238, 25638), (246, 25755), (254, 25812), (268, 25899), (277, 25965), (301, 26022), (302, 26025), (305, 26049), (316, 26139), (322, 26187), (338, 26316), (347, 26385), (353, 26415), (356, 26433), (358, 26451), (372, 26607), (373, 26610), (386, 26715), (393, 26814), (394, 26823), (398, 26883), (400, 26913), (406, 26994), (419, 27225), (420, 27231), (425, 27294), (431, 27471), (434, 27492), (440, 27621), (441, 27660), (472, 27990), (478, 28086), (481, 28095), (493, 28209), (500, 28251), (502, 28263),

Gene: MoontowerMania_32 Start: 24791, Stop: 29617, Start Num: 9

Candidate Starts for MoontowerMania_32:

(Start: 9 @24791 has 61 MA's), (25, 24965), (27, 24989), (59, 25127), (71, 25172), (74, 25184), (78, 25202), (82, 25214), (87, 25259), (107, 25370), (119, 25490), (120, 25511), (123, 25571), (125, 25604), (128, 25646), (135, 25718), (137, 25733), (138, 25736), (145, 25847), (146, 25883), (148, 25934), (151, 25976), (153, 26006), (157, 26057), (160, 26090), (161, 26123), (162, 26135), (170, 26216), (173, 26237), (176, 26249), (185, 26345), (186, 26360), (187, 26381), (188, 26432), (190, 26441), (195, 26519), (202, 26567), (203, 26576), (207, 26636), (213, 26681), (216, 26690), (224, 26717), (228, 26744), (230, 26765), (233, 26801), (240, 26867), (242, 26903), (247, 26990), (248, 26993), (249, 27002), (252, 27020), (262, 27071), (265, 27077), (283, 27203), (301, 27278), (305, 27305), (311, 27338), (317, 27401), (324, 27455), (330, 27518), (345, 27629), (351, 27656), (352, 27662), (362, 27764), (364, 27776), (369, 27830), (372, 27857), (376, 27884), (380, 27923), (383, 27947), (386, 27962), (388, 27989), (393, 28061), (394, 28070), (398, 28130), (401, 28175), (420, 28493), (421, 28499), (422, 28517), (429, 28613), (433, 28718), (439, 28817), (451, 28961), (454, 29036), (456, 29048), (460, 29132), (497, 29471), (504, 29510), (505, 29516), (508, 29522), (512, 29549), (515, 29585), (517, 29597),

Gene: Mutzi_31 Start: 19848, Stop: 25364, Start Num: 1

Candidate Starts for Mutzi_31:

(Start: 1 @19848 has 29 MA's), (3, 19935), (4, 20022), (6, 20055), (7, 20079), (13, 20202), (15, 20223), (17, 20229), (19, 20253), (24, 20283), (26, 20322), (38, 20406), (42, 20442), (44, 20466), (50, 20505), (88, 20793), (104, 20895), (112, 20982), (120, 21063), (123, 21123), (128, 21195), (132, 21243), (134, 21267), (142, 21366), (143, 21369), (145, 21399), (147, 21474), (148, 21486), (151, 21528), (153, 21558), (157, 21609), (160, 21642), (168, 21747), (169, 21750), (170, 21768), (171, 21780), (173,

21789), (184, 21891), (186, 21912), (187, 21933), (188, 21984), (189, 21987), (195, 22071), (197, 22095), (199, 22101), (202, 22119), (207, 22188), (210, 22221), (212, 22227), (214, 22236), (217, 22242), (228, 22296), (234, 22368), (235, 22377), (237, 22398), (242, 22455), (244, 22491), (252, 22572), (254, 22575), (258, 22629), (260, 22644), (271, 22716), (280, 22812), (288, 22878), (289, 22881), (293, 22905), (297, 22932), (298, 22935), (299, 22938), (308, 23013), (309, 23019), (310, 23022), (314, 23067), (315, 23076), (326, 23154), (331, 23208), (338, 23262), (344, 23319), (354, 23361), (362, 23460), (368, 23511), (381, 23622), (387, 23661), (391, 23742), (395, 23784), (404, 23916), (405, 23919), (407, 23949), (408, 23952), (410, 23967), (418, 24159), (420, 24168), (421, 24174), (437, 24486), (449, 24681), (450, 24693), (469, 24966), (483, 25122), (484, 25131), (485, 25137), (489, 25173), (501, 25266), (504, 25278), (511, 25308), (513, 25341), (516, 25353),

Gene: Natkenzie_33 Start: 24850, Stop: 29775, Start Num: 9

Candidate Starts for Natkenzie_33:

(Start: 9 @24850 has 61 MA's), (19, 24970), (20, 24982), (25, 25024), (27, 25048), (34, 25114), (35, 25123), (41, 25168), (43, 25195), (54, 25297), (56, 25306), (60, 25324), (70, 25390), (73, 25405), (77, 25414), (84, 25477), (86, 25483), (91, 25510), (96, 25540), (98, 25549), (105, 25597), (107, 25612), (109, 25624), (115, 25711), (118, 25723), (125, 25846), (127, 25870), (128, 25888), (135, 25960), (136, 25966), (138, 25978), (145, 26089), (146, 26125), (147, 26164), (148, 26176), (151, 26218), (153, 26248), (156, 26290), (157, 26299), (158, 26302), (160, 26332), (161, 26365), (170, 26458), (177, 26494), (181, 26551), (184, 26581), (187, 26623), (189, 26677), (190, 26683), (192, 26710), (195, 26761), (201, 26797), (202, 26809), (203, 26818), (207, 26878), (208, 26890), (210, 26911), (212, 26917), (224, 26959), (225, 26965), (227, 26980), (228, 26986), (231, 27031), (235, 27067), (236, 27070), (242, 27145), (246, 27208), (254, 27265), (267, 27346), (274, 27397), (292, 27454), (301, 27475), (302, 27478), (305, 27502), (322, 27640), (326, 27661), (353, 27868), (356, 27886), (359, 27943), (369, 28033), (374, 28096), (386, 28177), (388, 28204), (393, 28276), (394, 28285), (398, 28345), (406, 28456), (418, 28687), (420, 28696), (423, 28723), (426, 28765), (436, 28984), (437, 29011), (440, 29083), (441, 29122), (458, 29329), (464, 29401), (472, 29467), (486, 29602), (490, 29665), (491, 29668), (493, 29686), (495, 29701), (500, 29728), (502, 29740),

Gene: Nordenberg_27 Start: 24150, Stop: 28973, Start Num: 9

Candidate Starts for Nordenberg_27:

(Start: 9 @24150 has 61 MA's), (25, 24324), (27, 24348), (59, 24486), (71, 24531), (74, 24543), (78, 24561), (82, 24573), (83, 24600), (87, 24618), (90, 24630), (107, 24729), (119, 24849), (120, 24870), (123, 24930), (125, 24963), (128, 25005), (131, 25041), (135, 25077), (137, 25092), (138, 25095), (145, 25206), (146, 25242), (148, 25293), (151, 25335), (153, 25365), (157, 25416), (160, 25449), (162, 25494), (170, 25575), (176, 25608), (185, 25704), (186, 25719), (187, 25740), (188, 25791), (190, 25800), (202, 25926), (203, 25935), (207, 25995), (212, 26034), (213, 26040), (216, 26049), (224, 26076), (228, 26103), (230, 26124), (233, 26160), (240, 26226), (242, 26262), (247, 26349), (248, 26352), (249, 26361), (252, 26379), (262, 26430), (265, 26436), (283, 26562), (301, 26637), (305, 26664), (311, 26697), (317, 26760), (324, 26814), (330, 26877), (345, 26988), (351, 27015), (352, 27021), (362, 27123), (364, 27135), (369, 27189), (372, 27216), (376, 27243), (380, 27282), (388, 27348), (393, 27420), (394, 27429), (398, 27489), (401, 27534), (420, 27852), (421, 27858), (422, 27876), (429, 27969), (433, 28074), (439, 28173), (451, 28317), (454, 28392), (456, 28404), (460, 28488), (497, 28827), (504, 28866), (505, 28872), (508, 28878), (512, 28905), (515, 28941), (517, 28953),

Gene: Nubi_29 Start: 19412, Stop: 24925, Start Num: 1

Candidate Starts for Nubi_29:

(Start: 1 @19412 has 29 MA's), (3, 19499), (4, 19586), (6, 19619), (7, 19643), (13, 19766), (15, 19787), (17, 19793), (19, 19817), (24, 19847), (26, 19886), (38, 19970), (42, 20006), (44, 20030), (50, 20069), (104, 20459), (120, 20627), (123, 20687), (128, 20759), (129, 20771), (132, 20807), (134, 20831), (142, 20930), (143, 20933), (145, 20963), (147, 21038), (148, 21050), (151, 21092), (153, 21122), (157, 21173), (169, 21314), (170, 21332), (171, 21344), (173, 21353), (184, 21455), (186, 21476),

(187, 21497), (188, 21548), (189, 21551), (195, 21635), (199, 21665), (202, 21683), (207, 21752), (210, 21785), (212, 21791), (214, 21800), (217, 21806), (228, 21860), (234, 21932), (237, 21962), (242, 22019), (244, 22055), (252, 22136), (254, 22139), (260, 22208), (280, 22376), (288, 22442), (289, 22445), (293, 22469), (297, 22496), (298, 22499), (299, 22502), (310, 22586), (314, 22631), (315, 22640), (322, 22697), (326, 22718), (331, 22772), (338, 22826), (344, 22883), (354, 22925), (358, 22961), (361, 23006), (362, 23024), (368, 23075), (381, 23186), (387, 23225), (391, 23306), (404, 23480), (405, 23483), (408, 23516), (418, 23720), (420, 23729), (421, 23735), (437, 24044), (450, 24251), (457, 24377), (469, 24527), (475, 24638), (483, 24683), (484, 24692), (485, 24698), (489, 24734), (501, 24827), (504, 24839), (511, 24869), (513, 24902), (516, 24914),

Gene: Paries_35 Start: 25616, Stop: 30439, Start Num: 9

Candidate Starts for Paries_35:

(Start: 9 @25616 has 61 MA's), (25, 25790), (27, 25814), (59, 25952), (68, 25985), (71, 25997), (74, 26009), (78, 26027), (82, 26039), (87, 26084), (107, 26195), (119, 26315), (120, 26336), (123, 26396), (125, 26429), (128, 26471), (131, 26507), (135, 26543), (137, 26558), (138, 26561), (145, 26672), (146, 26708), (148, 26759), (151, 26801), (153, 26831), (157, 26882), (160, 26915), (161, 26948), (162, 26960), (170, 27041), (173, 27062), (176, 27074), (185, 27170), (186, 27185), (187, 27206), (188, 27257), (190, 27266), (195, 27344), (202, 27392), (203, 27401), (207, 27461), (213, 27506), (216, 27515), (224, 27542), (228, 27569), (230, 27590), (233, 27626), (240, 27692), (242, 27728), (247, 27815), (248, 27818), (249, 27827), (252, 27845), (262, 27896), (265, 27902), (283, 28028), (301, 28103), (305, 28130), (311, 28163), (317, 28226), (324, 28280), (330, 28343), (345, 28454), (351, 28481), (352, 28487), (362, 28589), (364, 28601), (369, 28655), (372, 28682), (376, 28709), (380, 28748), (388, 28814), (393, 28886), (394, 28895), (398, 28955), (401, 29000), (420, 29315), (421, 29321), (422, 29339), (429, 29435), (433, 29540), (439, 29639), (451, 29783), (454, 29858), (456, 29870), (460, 29954), (497, 30293), (504, 30332), (505, 30338), (508, 30344), (512, 30371), (515, 30407), (517, 30419),

Gene: Phauci_24 Start: 19849, Stop: 24738, Start Num: 10

Candidate Starts for Phauci_24:

(Start: 10 @19849 has 8 MA's), (19, 19969), (25, 20023), (27, 20047), (35, 20122), (36, 20125), (47, 20221), (54, 20296), (55, 20302), (57, 20308), (61, 20332), (63, 20341), (72, 20401), (73, 20407), (77, 20416), (82, 20446), (89, 20503), (96, 20542), (98, 20551), (107, 20614), (108, 20617), (114, 20692), (115, 20701), (125, 20836), (126, 20845), (128, 20878), (130, 20902), (138, 20968), (140, 21031), (146, 21115), (147, 21154), (148, 21166), (152, 21214), (153, 21238), (157, 21289), (160, 21322), (164, 21373), (167, 21403), (171, 21460), (174, 21472), (177, 21484), (182, 21559), (187, 21613), (189, 21667), (192, 21700), (201, 21787), (202, 21799), (203, 21808), (207, 21868), (208, 21880), (210, 21901), (212, 21907), (213, 21913), (214, 21916), (215, 21919), (223, 21946), (224, 21949), (226, 21958), (227, 21970), (228, 21976), (231, 22021), (235, 22057), (236, 22060), (238, 22081), (246, 22198), (254, 22255), (268, 22342), (277, 22408), (301, 22465), (302, 22468), (305, 22492), (316, 22582), (322, 22630), (338, 22759), (347, 22828), (349, 22837), (353, 22858), (356, 22876), (358, 22894), (372, 23050), (373, 23053), (386, 23158), (394, 23266), (398, 23326), (400, 23356), (406, 23437), (419, 23668), (420, 23674), (424, 23722), (425, 23737), (428, 23803), (434, 23935), (440, 24064), (441, 24103), (472, 24430), (478, 24526), (493, 24649), (500, 24691), (502, 24703),

Gene: Phinally_31 Start: 23257, Stop: 28146, Start Num: 10

Candidate Starts for Phinally_31:

(Start: 10 @23257 has 8 MA's), (19, 23377), (25, 23431), (27, 23455), (35, 23530), (36, 23533), (47, 23629), (54, 23704), (55, 23710), (57, 23716), (61, 23740), (63, 23749), (72, 23809), (73, 23815), (77, 23824), (82, 23854), (89, 23911), (96, 23950), (98, 23959), (107, 24022), (108, 24025), (114, 24100), (115, 24109), (125, 24244), (126, 24253), (128, 24286), (130, 24310), (138, 24376), (140, 24439), (146, 24523), (147, 24562), (148, 24574), (152, 24622), (153, 24646), (157, 24697), (160, 24730), (164, 24781), (167, 24811), (171, 24868), (174, 24880), (177, 24892), (182, 24967), (187, 25021), (189, 25075), (190, 25081), (192, 25108), (201, 25195), (202, 25207), (203, 25216), (207, 25276),

(208, 25288), (210, 25309), (212, 25315), (213, 25321), (214, 25324), (223, 25354), (224, 25357), (226, 25366), (227, 25378), (228, 25384), (231, 25429), (235, 25465), (236, 25468), (238, 25489), (246, 25606), (254, 25663), (268, 25750), (277, 25816), (301, 25873), (302, 25876), (305, 25900), (316, 25990), (322, 26038), (338, 26167), (347, 26236), (353, 26266), (356, 26284), (372, 26458), (373, 26461), (386, 26566), (393, 26665), (394, 26674), (398, 26734), (400, 26764), (406, 26845), (419, 27076), (420, 27082), (425, 27145), (434, 27343), (440, 27472), (441, 27511), (466, 27793), (472, 27838), (473, 27865), (478, 27934), (493, 28057), (500, 28099), (502, 28111),

Gene: Phlop_29 Start: 19476, Stop: 25007, Start Num: 1

Candidate Starts for Phlop_29:

(Start: 1 @19476 has 29 MA's), (3, 19563), (4, 19650), (6, 19683), (7, 19707), (13, 19830), (15, 19851), (17, 19857), (19, 19881), (24, 19911), (26, 19950), (38, 20034), (42, 20070), (44, 20094), (50, 20133), (104, 20523), (120, 20691), (123, 20751), (128, 20823), (129, 20835), (132, 20871), (134, 20895), (142, 20994), (143, 20997), (145, 21027), (147, 21102), (148, 21114), (151, 21156), (153, 21186), (157, 21237), (169, 21378), (170, 21396), (171, 21408), (173, 21417), (184, 21519), (186, 21540), (187, 21561), (188, 21612), (189, 21615), (190, 21621), (195, 21699), (199, 21729), (202, 21747), (207, 21816), (210, 21849), (212, 21855), (214, 21864), (217, 21870), (228, 21924), (231, 21969), (234, 21996), (235, 22005), (237, 22026), (242, 22083), (244, 22119), (252, 22200), (254, 22203), (260, 22272), (271, 22344), (280, 22440), (288, 22506), (289, 22509), (293, 22533), (297, 22560), (298, 22563), (299, 22566), (300, 22572), (308, 22641), (310, 22650), (314, 22695), (315, 22704), (326, 22782), (331, 22836), (338, 22890), (344, 22947), (354, 22989), (358, 23025), (362, 23088), (368, 23139), (381, 23250), (387, 23289), (391, 23370), (404, 23544), (405, 23547), (408, 23580), (418, 23787), (420, 23796), (421, 23802), (437, 24114), (450, 24321), (457, 24459), (469, 24609), (475, 24720), (483, 24765), (484, 24774), (485, 24780), (489, 24816), (501, 24909), (504, 24921), (511, 24951), (513, 24984), (516, 24996),

Gene: PinkCoffee_31 Start: 20115, Stop: 25646, Start Num: 1

Candidate Starts for PinkCoffee_31:

(Start: 1 @20115 has 29 MA's), (3, 20202), (4, 20289), (6, 20322), (7, 20346), (13, 20469), (15, 20490), (17, 20496), (19, 20520), (24, 20550), (26, 20589), (38, 20673), (42, 20709), (44, 20733), (50, 20772), (104, 21162), (120, 21330), (123, 21390), (128, 21462), (129, 21474), (132, 21510), (134, 21534), (142, 21633), (143, 21636), (145, 21666), (147, 21741), (148, 21753), (151, 21795), (153, 21825), (157, 21876), (169, 22017), (170, 22035), (171, 22047), (173, 22056), (184, 22158), (186, 22179), (187, 22200), (188, 22251), (189, 22254), (190, 22260), (195, 22338), (199, 22368), (202, 22386), (207, 22455), (210, 22488), (212, 22494), (214, 22503), (217, 22509), (228, 22563), (231, 22608), (234, 22635), (235, 22644), (237, 22665), (242, 22722), (244, 22758), (252, 22839), (254, 22842), (260, 22911), (271, 22983), (280, 23079), (288, 23145), (289, 23148), (293, 23172), (297, 23199), (298, 23202), (299, 23205), (300, 23211), (308, 23280), (310, 23289), (314, 23334), (315, 23343), (326, 23421), (331, 23475), (338, 23529), (344, 23586), (354, 23628), (358, 23664), (362, 23727), (368, 23778), (381, 23889), (387, 23928), (391, 24009), (404, 24183), (405, 24186), (408, 24219), (418, 24426), (420, 24435), (421, 24441), (437, 24753), (450, 24960), (457, 25098), (469, 25248), (475, 25359), (483, 25404), (484, 25413), (489, 25455), (501, 25548), (504, 25560), (511, 25590), (513, 25623), (516, 25635),

Gene: Portcullis_29 Start: 19434, Stop: 24956, Start Num: 1

Candidate Starts for Portcullis_29:

(Start: 1 @19434 has 29 MA's), (3, 19521), (4, 19608), (6, 19641), (7, 19665), (13, 19788), (15, 19809), (17, 19815), (19, 19839), (24, 19869), (26, 19908), (38, 19992), (42, 20028), (44, 20052), (50, 20091), (104, 20481), (120, 20649), (123, 20709), (128, 20781), (129, 20793), (132, 20829), (134, 20853), (142, 20952), (143, 20955), (145, 20985), (147, 21060), (148, 21072), (151, 21114), (153, 21144), (157, 21195), (169, 21336), (170, 21354), (171, 21366), (173, 21375), (184, 21477), (186, 21498), (187, 21519), (188, 21570), (189, 21573), (195, 21657), (199, 21687), (202, 21705), (207, 21774), (210, 21807), (212, 21813), (214, 21822), (217, 21828), (228, 21882), (234, 21954), (235, 21963),

(237, 21984), (242, 22041), (244, 22077), (252, 22158), (254, 22161), (260, 22230), (280, 22398), (288, 22464), (289, 22467), (293, 22491), (297, 22518), (298, 22521), (299, 22524), (300, 22530), (308, 22599), (310, 22608), (314, 22653), (315, 22662), (326, 22740), (331, 22794), (338, 22848), (344, 22905), (354, 22947), (358, 22983), (362, 23046), (368, 23097), (381, 23208), (387, 23247), (391, 23328), (404, 23502), (405, 23505), (408, 23538), (418, 23745), (420, 23754), (421, 23760), (423, 23781), (437, 24075), (450, 24282), (457, 24408), (469, 24558), (475, 24669), (483, 24714), (484, 24723), (485, 24729), (489, 24765), (501, 24858), (504, 24870), (511, 24900), (513, 24933), (516, 24945),

Gene: PullumCavea_29 Start: 19476, Stop: 25007, Start Num: 1

Candidate Starts for PullumCavea_29:

(Start: 1 @19476 has 29 MA's), (3, 19563), (4, 19650), (6, 19683), (7, 19707), (13, 19830), (15, 19851), (17, 19857), (19, 19881), (24, 19911), (26, 19950), (38, 20034), (42, 20070), (44, 20094), (50, 20133), (104, 20523), (120, 20691), (123, 20751), (128, 20823), (129, 20835), (132, 20871), (134, 20895), (142, 20994), (143, 20997), (145, 21027), (147, 21102), (148, 21114), (151, 21156), (153, 21186), (157, 21237), (169, 21378), (170, 21396), (171, 21408), (173, 21417), (184, 21519), (186, 21540), (187, 21561), (188, 21612), (189, 21615), (190, 21621), (195, 21699), (199, 21729), (202, 21747), (207, 21816), (210, 21849), (212, 21855), (214, 21864), (217, 21870), (228, 21924), (231, 21969), (234, 21996), (235, 22005), (237, 22026), (242, 22083), (244, 22119), (252, 22200), (254, 22203), (260, 22272), (271, 22344), (280, 22440), (288, 22506), (289, 22509), (293, 22533), (297, 22560), (298, 22563), (299, 22566), (300, 22572), (308, 22641), (310, 22650), (314, 22695), (315, 22704), (326, 22782), (331, 22836), (338, 22890), (344, 22947), (354, 22989), (358, 23025), (362, 23088), (368, 23139), (381, 23250), (387, 23289), (391, 23370), (404, 23544), (405, 23547), (408, 23580), (418, 23787), (420, 23796), (421, 23802), (437, 24114), (450, 24321), (457, 24459), (469, 24609), (475, 24720), (483, 24765), (484, 24774), (485, 24780), (489, 24816), (501, 24909), (504, 24921), (511, 24951), (513, 24984), (516, 24996),

Gene: Ribeye_33 Start: 24804, Stop: 29822, Start Num: 9

Candidate Starts for Ribeye_33:

(Start: 9 @24804 has 61 MA's), (14, 24879), (19, 24924), (25, 24978), (27, 25002), (31, 25044), (32, 25062), (35, 25077), (43, 25149), (47, 25176), (54, 25251), (56, 25260), (64, 25317), (65, 25335), (66, 25341), (69, 25359), (75, 25386), (101, 25542), (107, 25593), (109, 25605), (112, 25653), (123, 25794), (125, 25827), (128, 25869), (135, 25941), (137, 25956), (138, 25959), (145, 26070), (146, 26106), (148, 26157), (151, 26199), (153, 26229), (157, 26280), (160, 26313), (161, 26346), (162, 26358), (170, 26439), (176, 26472), (177, 26475), (181, 26532), (185, 26568), (186, 26583), (187, 26604), (188, 26655), (202, 26790), (207, 26859), (212, 26898), (213, 26904), (216, 26913), (224, 26940), (228, 26967), (230, 26988), (233, 27024), (235, 27048), (236, 27051), (239, 27087), (242, 27126), (248, 27216), (254, 27246), (262, 27294), (265, 27300), (282, 27423), (283, 27426), (284, 27432), (295, 27489), (301, 27501), (305, 27528), (311, 27561), (312, 27567), (317, 27624), (324, 27678), (330, 27741), (345, 27852), (351, 27879), (352, 27885), (362, 27987), (369, 28053), (386, 28185), (388, 28212), (394, 28293), (398, 28353), (401, 28398), (418, 28704), (420, 28713), (423, 28740), (427, 28809), (439, 29037), (451, 29181), (454, 29250), (455, 29256), (456, 29262), (460, 29340), (462, 29370), (475, 29508), (485, 29568), (489, 29604), (492, 29649), (497, 29676), (504, 29715), (505, 29721), (508, 29727), (512, 29754), (515, 29790), (517, 29802),

Gene: RiverRaider_33 Start: 23248, Stop: 28107, Start Num: 9

Candidate Starts for RiverRaider_33:

(Start: 9 @23248 has 61 MA's), (16, 23335), (19, 23368), (25, 23422), (27, 23446), (29, 23455), (37, 23500), (59, 23584), (68, 23617), (71, 23629), (74, 23641), (78, 23659), (82, 23671), (87, 23716), (95, 23755), (107, 23827), (114, 23917), (118, 23938), (123, 24028), (125, 24061), (128, 24103), (135, 24175), (137, 24190), (138, 24193), (145, 24304), (146, 24340), (148, 24391), (151, 24433), (153, 24463), (157, 24514), (160, 24547), (161, 24580), (162, 24592), (170, 24673), (173, 24694), (176, 24706), (179, 24739), (185, 24802), (186, 24817), (187, 24838), (188, 24889), (190, 24898), (195,

24976), (202, 25024), (205, 25072), (209, 25120), (210, 25126), (212, 25132), (216, 25147), (219, 25153), (223, 25171), (225, 25180), (228, 25201), (230, 25222), (233, 25258), (235, 25282), (239, 25321), (247, 25447), (254, 25480), (262, 25528), (265, 25534), (273, 25588), (275, 25603), (277, 25621), (283, 25660), (301, 25735), (305, 25762), (307, 25771), (311, 25795), (317, 25858), (324, 25912), (351, 26113), (352, 26119), (362, 26221), (364, 26233), (369, 26287), (379, 26368), (382, 26383), (384, 26407), (390, 26488), (405, 26665), (407, 26695), (409, 26698), (417, 26830), (420, 26911), (421, 26917), (423, 26938), (425, 26974), (428, 27037), (437, 27226), (440, 27298), (441, 27337), (454, 27532), (456, 27544), (460, 27616), (471, 27706), (482, 27823), (485, 27844), (497, 27961), (505, 28006), (508, 28012), (515, 28075), (517, 28087),

Gene: RoadKill_28 Start: 20943, Stop: 26069, Start Num: 9

Candidate Starts for RoadKill_28:

(Start: 9 @20943 has 61 MA's), (25, 21117), (28, 21150), (33, 21207), (35, 21216), (36, 21219), (43, 21288), (45, 21300), (47, 21315), (51, 21351), (54, 21390), (55, 21396), (57, 21402), (63, 21435), (68, 21477), (70, 21486), (72, 21495), (73, 21501), (80, 21528), (86, 21579), (89, 21597), (105, 21693), (107, 21708), (111, 21753), (117, 21801), (125, 21930), (128, 21972), (135, 22044), (138, 22062), (142, 22140), (144, 22152), (145, 22173), (146, 22209), (147, 22248), (148, 22260), (153, 22332), (154, 22356), (155, 22362), (157, 22383), (159, 22404), (160, 22416), (164, 22467), (166, 22497), (173, 22563), (184, 22665), (187, 22707), (189, 22761), (191, 22791), (192, 22794), (198, 22872), (206, 22959), (210, 22995), (212, 23001), (223, 23040), (224, 23043), (227, 23064), (228, 23070), (230, 23091), (234, 23142), (238, 23175), (239, 23190), (241, 23214), (263, 23424), (264, 23427), (279, 23532), (281, 23550), (290, 23580), (302, 23631), (311, 23688), (318, 23763), (319, 23772), (320, 23781), (321, 23787), (328, 23838), (332, 23871), (333, 23883), (336, 23904), (337, 23916), (340, 23949), (343, 23970), (360, 24102), (366, 24156), (389, 24363), (397, 24477), (399, 24489), (408, 24615), (411, 24633), (414, 24711), (423, 24900), (425, 24930), (435, 25128), (445, 25335), (446, 25338), (448, 25356), (465, 25605), (467, 25623), (470, 25635), (479, 25761), (498, 25917), (499, 25920), (507, 25962), (509, 25980), (512, 25995), (514, 26034),

Gene: Rofo_33 Start: 25011, Stop: 29837, Start Num: 9

Candidate Starts for Rofo_33:

(Start: 9 @25011 has 61 MA's), (25, 25185), (27, 25209), (59, 25347), (68, 25380), (71, 25392), (74, 25404), (78, 25422), (82, 25434), (87, 25479), (107, 25590), (119, 25710), (120, 25731), (123, 25791), (125, 25824), (128, 25866), (131, 25902), (135, 25938), (137, 25953), (138, 25956), (145, 26067), (146, 26103), (148, 26154), (151, 26196), (153, 26226), (157, 26277), (160, 26310), (161, 26343), (162, 26355), (170, 26436), (173, 26457), (176, 26469), (185, 26565), (186, 26580), (187, 26601), (188, 26652), (190, 26661), (195, 26739), (202, 26787), (203, 26796), (207, 26856), (213, 26901), (216, 26910), (224, 26937), (228, 26964), (230, 26985), (233, 27021), (240, 27087), (242, 27123), (247, 27210), (248, 27213), (249, 27222), (252, 27240), (262, 27291), (265, 27297), (283, 27423), (301, 27498), (305, 27525), (311, 27558), (317, 27621), (324, 27675), (330, 27738), (345, 27849), (351, 27876), (352, 27882), (362, 27984), (364, 27996), (369, 28050), (372, 28077), (376, 28104), (380, 28143), (388, 28209), (393, 28281), (394, 28290), (398, 28350), (401, 28395), (420, 28713), (421, 28719), (422, 28737), (429, 28833), (433, 28938), (439, 29037), (451, 29181), (454, 29256), (456, 29268), (460, 29352), (497, 29691), (504, 29730), (505, 29736), (508, 29742), (512, 29769), (515, 29805), (517, 29817),

Gene: RogerDodger_32 Start: 20284, Stop: 25797, Start Num: 1

Candidate Starts for RogerDodger_32:

(Start: 1 @20284 has 29 MA's), (3, 20371), (4, 20458), (6, 20491), (7, 20515), (13, 20638), (15, 20659), (17, 20665), (19, 20689), (24, 20719), (26, 20758), (38, 20842), (42, 20878), (44, 20902), (50, 20941), (104, 21331), (120, 21499), (123, 21559), (128, 21631), (129, 21643), (132, 21679), (134, 21703), (142, 21802), (143, 21805), (145, 21835), (147, 21910), (148, 21922), (151, 21964), (153, 21994), (157, 22045), (169, 22186), (170, 22204), (171, 22216), (173, 22225), (184, 22327), (186, 22348), (187, 22369), (188, 22420), (189, 22423), (190, 22429), (195, 22507), (199, 22537), (202, 22555),

(207, 22624), (210, 22657), (212, 22663), (214, 22672), (217, 22678), (228, 22732), (231, 22777), (234, 22804), (235, 22813), (237, 22834), (242, 22891), (244, 22927), (252, 23008), (254, 23011), (260, 23080), (271, 23152), (280, 23248), (288, 23314), (289, 23317), (293, 23341), (297, 23368), (298, 23371), (299, 23374), (300, 23380), (308, 23449), (310, 23458), (314, 23503), (315, 23512), (326, 23590), (331, 23644), (338, 23698), (344, 23755), (354, 23797), (358, 23833), (362, 23896), (368, 23947), (377, 24031), (381, 24058), (387, 24097), (388, 24118), (391, 24178), (404, 24352), (405, 24355), (408, 24388), (418, 24595), (420, 24604), (421, 24610), (428, 24724), (432, 24844), (441, 25024), (457, 25249), (469, 25399), (475, 25510), (483, 25555), (484, 25564), (489, 25606), (503, 25705), (504, 25711), (511, 25741), (513, 25774), (516, 25786),

Gene: Salvador_29 Start: 19390, Stop: 24921, Start Num: 1

Candidate Starts for Salvador_29:

(Start: 1 @19390 has 29 MA's), (3, 19477), (4, 19564), (6, 19597), (7, 19621), (13, 19744), (15, 19765), (17, 19771), (19, 19795), (24, 19825), (26, 19864), (38, 19948), (42, 19984), (44, 20008), (50, 20047), (104, 20437), (120, 20605), (123, 20665), (128, 20737), (129, 20749), (132, 20785), (134, 20809), (142, 20908), (143, 20911), (145, 20941), (147, 21016), (148, 21028), (151, 21070), (153, 21100), (157, 21151), (169, 21292), (170, 21310), (171, 21322), (173, 21331), (184, 21433), (186, 21454), (187, 21475), (188, 21526), (189, 21529), (190, 21535), (195, 21613), (199, 21643), (202, 21661), (207, 21730), (210, 21763), (212, 21769), (214, 21778), (217, 21784), (228, 21838), (231, 21883), (234, 21910), (235, 21919), (237, 21940), (242, 21997), (244, 22033), (252, 22114), (254, 22117), (260, 22186), (271, 22258), (280, 22354), (288, 22420), (289, 22423), (293, 22447), (297, 22474), (298, 22477), (299, 22480), (300, 22486), (308, 22555), (310, 22564), (314, 22609), (315, 22618), (326, 22696), (331, 22750), (338, 22804), (344, 22861), (354, 22903), (358, 22939), (362, 23002), (368, 23053), (381, 23164), (387, 23203), (391, 23284), (404, 23458), (405, 23461), (408, 23494), (418, 23701), (420, 23710), (421, 23716), (437, 24028), (450, 24235), (457, 24373), (469, 24523), (475, 24634), (483, 24679), (484, 24688), (485, 24694), (489, 24730), (501, 24823), (504, 24835), (511, 24865), (513, 24898), (516, 24910),

Gene: Sampson_33 Start: 24795, Stop: 29720, Start Num: 9

Candidate Starts for Sampson_33:

(Start: 9 @24795 has 61 MA's), (19, 24915), (20, 24927), (25, 24969), (27, 24993), (34, 25059), (35, 25068), (41, 25113), (43, 25140), (54, 25242), (56, 25251), (60, 25269), (70, 25335), (73, 25350), (77, 25359), (84, 25422), (86, 25428), (91, 25455), (96, 25485), (98, 25494), (105, 25542), (107, 25557), (109, 25569), (115, 25656), (118, 25668), (125, 25791), (127, 25815), (128, 25833), (135, 25905), (136, 25911), (138, 25923), (145, 26034), (146, 26070), (147, 26109), (148, 26121), (151, 26163), (153, 26193), (156, 26235), (157, 26244), (158, 26247), (160, 26277), (161, 26310), (170, 26403), (177, 26439), (181, 26496), (184, 26526), (187, 26568), (189, 26622), (190, 26628), (192, 26655), (195, 26706), (201, 26742), (202, 26754), (203, 26763), (207, 26823), (208, 26835), (210, 26856), (212, 26862), (224, 26904), (225, 26910), (227, 26925), (228, 26931), (231, 26976), (235, 27012), (236, 27015), (242, 27090), (246, 27153), (254, 27210), (267, 27291), (274, 27342), (292, 27399), (301, 27420), (302, 27423), (305, 27447), (322, 27585), (326, 27606), (353, 27813), (356, 27831), (359, 27888), (369, 27978), (374, 28041), (386, 28122), (388, 28149), (393, 28221), (394, 28230), (398, 28290), (406, 28401), (418, 28632), (420, 28641), (423, 28668), (426, 28710), (436, 28929), (437, 28956), (440, 29028), (441, 29067), (458, 29274), (464, 29346), (472, 29412), (486, 29547), (490, 29610), (491, 29613), (493, 29631), (495, 29646), (500, 29673), (502, 29685),

Gene: Sanjuju_31 Start: 25192, Stop: 30006, Start Num: 9

Candidate Starts for Sanjuju_31:

(Start: 9 @25192 has 61 MA's), (25, 25366), (27, 25390), (59, 25528), (71, 25573), (74, 25585), (78, 25603), (82, 25615), (83, 25642), (87, 25660), (90, 25672), (107, 25771), (119, 25891), (120, 25912), (123, 25972), (125, 26005), (128, 26047), (131, 26083), (135, 26119), (137, 26134), (138, 26137), (145, 26248), (146, 26284), (148, 26335), (151, 26377), (153, 26407), (157, 26458), (160, 26491), (161, 26524), (162, 26536), (170, 26617), (173, 26638), (176, 26650), (185, 26746), (186, 26761),

(187, 26782), (188, 26833), (190, 26842), (195, 26920), (202, 26968), (203, 26977), (207, 27037), (213, 27082), (216, 27091), (224, 27118), (228, 27145), (230, 27166), (233, 27202), (240, 27268), (242, 27304), (247, 27391), (248, 27394), (252, 27421), (262, 27472), (265, 27478), (283, 27604), (305, 27706), (311, 27739), (317, 27802), (324, 27856), (330, 27919), (345, 28030), (351, 28057), (352, 28063), (362, 28165), (369, 28231), (372, 28258), (376, 28285), (380, 28324), (383, 28348), (388, 28390), (393, 28462), (394, 28471), (398, 28531), (401, 28576), (420, 28891), (421, 28897), (422, 28915), (429, 29011), (433, 29116), (439, 29215), (451, 29359), (454, 29434), (456, 29446), (460, 29521), (497, 29860), (504, 29899), (505, 29905), (508, 29911), (512, 29938), (515, 29974), (517, 29986),

Gene: Saronaya_32 Start: 23650, Stop: 28665, Start Num: 9

Candidate Starts for Saronaya_32:

(Start: 9 @23650 has 61 MA's), (16, 23737), (19, 23770), (25, 23824), (27, 23848), (31, 23890), (32, 23908), (35, 23923), (43, 23995), (47, 24022), (54, 24097), (56, 24106), (64, 24163), (65, 24181), (66, 24187), (69, 24205), (75, 24232), (107, 24439), (109, 24451), (112, 24499), (123, 24640), (125, 24673), (128, 24715), (135, 24787), (137, 24802), (138, 24805), (145, 24916), (146, 24952), (148, 25003), (151, 25045), (153, 25075), (155, 25105), (160, 25159), (161, 25192), (170, 25285), (176, 25318), (177, 25321), (181, 25378), (185, 25414), (186, 25429), (187, 25450), (188, 25501), (202, 25636), (203, 25645), (210, 25738), (212, 25744), (213, 25750), (216, 25759), (221, 25771), (223, 25783), (226, 25795), (228, 25813), (233, 25870), (242, 25972), (248, 26062), (254, 26092), (262, 26140), (265, 26146), (282, 26269), (283, 26272), (295, 26335), (301, 26347), (303, 26368), (305, 26374), (311, 26407), (317, 26470), (324, 26524), (345, 26698), (351, 26725), (352, 26731), (362, 26833), (369, 26899), (386, 27031), (388, 27058), (394, 27139), (398, 27199), (401, 27244), (418, 27550), (420, 27559), (423, 27586), (427, 27655), (433, 27784), (439, 27883), (451, 28027), (454, 28096), (455, 28102), (456, 28108), (460, 28183), (462, 28213), (474, 28318), (475, 28351), (485, 28411), (489, 28447), (492, 28492), (497, 28519), (504, 28558), (505, 28564), (508, 28570), (512, 28597), (515, 28633), (517, 28645),

Gene: Savbucketdawg_29 Start: 19171, Stop: 24702, Start Num: 1

Candidate Starts for Savbucketdawg_29:

(Start: 1 @19171 has 29 MA's), (3, 19258), (4, 19345), (6, 19378), (7, 19402), (13, 19525), (15, 19546), (17, 19552), (19, 19576), (24, 19606), (26, 19645), (38, 19729), (42, 19765), (44, 19789), (50, 19828), (104, 20218), (120, 20386), (123, 20446), (128, 20518), (129, 20530), (132, 20566), (134, 20590), (142, 20689), (143, 20692), (145, 20722), (147, 20797), (148, 20809), (151, 20851), (153, 20881), (157, 20932), (169, 21073), (170, 21091), (171, 21103), (173, 21112), (184, 21214), (186, 21235), (187, 21256), (188, 21307), (189, 21310), (190, 21316), (195, 21394), (199, 21424), (202, 21442), (207, 21511), (210, 21544), (212, 21550), (214, 21559), (217, 21565), (228, 21619), (231, 21664), (234, 21691), (235, 21700), (237, 21721), (242, 21778), (244, 21814), (252, 21895), (254, 21898), (260, 21967), (271, 22039), (280, 22135), (288, 22201), (289, 22204), (293, 22228), (297, 22255), (298, 22258), (299, 22261), (300, 22267), (308, 22336), (310, 22345), (314, 22390), (315, 22399), (326, 22477), (331, 22531), (338, 22585), (344, 22642), (354, 22684), (358, 22720), (362, 22783), (368, 22834), (381, 22945), (387, 22984), (391, 23065), (404, 23239), (405, 23242), (408, 23275), (418, 23482), (420, 23491), (421, 23497), (437, 23809), (450, 24016), (457, 24154), (469, 24304), (475, 24415), (483, 24460), (484, 24469), (489, 24511), (501, 24604), (504, 24616), (511, 24646), (513, 24679), (516, 24691),

Gene: SchottB_31 Start: 24662, Stop: 29680, Start Num: 9

Candidate Starts for SchottB_31:

(Start: 9 @24662 has 61 MA's), (16, 24749), (19, 24782), (25, 24836), (27, 24860), (31, 24902), (32, 24920), (35, 24935), (43, 25007), (47, 25034), (54, 25109), (56, 25118), (64, 25175), (65, 25193), (66, 25199), (107, 25451), (112, 25511), (123, 25652), (125, 25685), (128, 25727), (135, 25799), (137, 25814), (138, 25817), (145, 25928), (146, 25964), (148, 26015), (151, 26057), (153, 26087), (157, 26138), (160, 26171), (161, 26204), (162, 26216), (170, 26297), (176, 26330), (177, 26333), (181,

26390), (185, 26426), (186, 26441), (187, 26462), (188, 26513), (202, 26648), (203, 26657), (210, 26750), (212, 26756), (213, 26762), (216, 26771), (221, 26783), (223, 26795), (226, 26807), (228, 26825), (233, 26882), (242, 26984), (243, 27002), (245, 27026), (248, 27074), (254, 27104), (262, 27152), (265, 27158), (282, 27281), (283, 27284), (284, 27290), (295, 27347), (301, 27359), (303, 27380), (305, 27386), (311, 27419), (317, 27482), (324, 27536), (345, 27710), (351, 27737), (352, 27743), (362, 27845), (369, 27911), (388, 28070), (394, 28151), (398, 28211), (401, 28256), (418, 28562), (420, 28571), (423, 28598), (427, 28667), (433, 28796), (439, 28895), (451, 29039), (454, 29111), (455, 29117), (456, 29123), (460, 29198), (462, 29228), (475, 29366), (485, 29426), (489, 29462), (492, 29507), (497, 29534), (504, 29573), (505, 29579), (508, 29585), (512, 29612), (515, 29648), (517, 29660),

Gene: Scioto_33 Start: 24850, Stop: 29775, Start Num: 9

Candidate Starts for Scioto_33:

(Start: 9 @24850 has 61 MA's), (19, 24970), (20, 24982), (25, 25024), (27, 25048), (34, 25114), (35, 25123), (41, 25168), (43, 25195), (54, 25297), (56, 25306), (60, 25324), (70, 25390), (73, 25405), (77, 25414), (84, 25477), (86, 25483), (91, 25510), (96, 25540), (98, 25549), (105, 25597), (107, 25612), (109, 25624), (115, 25711), (118, 25723), (125, 25846), (127, 25870), (128, 25888), (135, 25960), (136, 25966), (138, 25978), (145, 26089), (146, 26125), (147, 26164), (148, 26176), (151, 26218), (153, 26248), (156, 26290), (157, 26299), (158, 26302), (160, 26332), (161, 26365), (170, 26458), (177, 26494), (181, 26551), (184, 26581), (187, 26623), (189, 26677), (190, 26683), (192, 26710), (195, 26761), (201, 26797), (202, 26809), (203, 26818), (207, 26878), (208, 26890), (210, 26911), (212, 26917), (224, 26959), (225, 26965), (227, 26980), (228, 26986), (231, 27031), (235, 27067), (236, 27070), (242, 27145), (246, 27208), (254, 27265), (267, 27346), (274, 27397), (292, 27454), (301, 27475), (302, 27478), (305, 27502), (322, 27640), (326, 27661), (353, 27868), (356, 27886), (359, 27943), (369, 28033), (374, 28096), (386, 28177), (388, 28204), (393, 28276), (394, 28285), (398, 28345), (406, 28456), (418, 28687), (420, 28696), (423, 28723), (426, 28765), (436, 28984), (437, 29011), (440, 29083), (441, 29122), (458, 29329), (464, 29401), (472, 29467), (486, 29602), (490, 29665), (491, 29668), (493, 29686), (495, 29701), (500, 29728), (502, 29740),

Gene: Sedona_33 Start: 26117, Stop: 30943, Start Num: 9

Candidate Starts for Sedona_33:

(Start: 9 @26117 has 61 MA's), (25, 26291), (27, 26315), (59, 26453), (71, 26498), (74, 26510), (78, 26528), (82, 26540), (83, 26567), (87, 26585), (90, 26597), (107, 26696), (119, 26816), (120, 26837), (123, 26897), (125, 26930), (128, 26972), (131, 27008), (135, 27044), (137, 27059), (138, 27062), (145, 27173), (146, 27209), (148, 27260), (151, 27302), (153, 27332), (157, 27383), (160, 27416), (161, 27449), (162, 27461), (170, 27542), (173, 27563), (176, 27575), (185, 27671), (186, 27686), (187, 27707), (188, 27758), (190, 27767), (195, 27845), (202, 27893), (203, 27902), (207, 27962), (213, 28007), (216, 28016), (224, 28043), (228, 28070), (230, 28091), (233, 28127), (240, 28193), (242, 28229), (247, 28316), (248, 28319), (249, 28328), (252, 28346), (262, 28397), (265, 28403), (283, 28529), (305, 28631), (311, 28664), (317, 28727), (324, 28781), (330, 28844), (345, 28955), (351, 28982), (352, 28988), (362, 29090), (369, 29156), (372, 29183), (376, 29210), (380, 29249), (383, 29273), (388, 29315), (393, 29387), (398, 29456), (401, 29501), (420, 29819), (421, 29825), (422, 29843), (429, 29939), (439, 30143), (451, 30287), (454, 30362), (456, 30374), (460, 30458), (497, 30797), (504, 30836), (505, 30842), (508, 30848), (512, 30875), (515, 30911), (517, 30923),

Gene: Shinji_29 Start: 19375, Stop: 24897, Start Num: 1

Candidate Starts for Shinji_29:

(Start: 1 @19375 has 29 MA's), (3, 19462), (4, 19549), (6, 19582), (7, 19606), (13, 19729), (15, 19750), (17, 19756), (19, 19780), (24, 19810), (26, 19849), (38, 19933), (42, 19969), (44, 19993), (50, 20032), (104, 20422), (120, 20590), (123, 20650), (128, 20722), (129, 20734), (132, 20770), (134, 20794), (142, 20893), (143, 20896), (145, 20926), (147, 21001), (148, 21013), (151, 21055), (153, 21085), (157, 21136), (169, 21277), (170, 21295), (171, 21307), (173, 21316), (184, 21418), (186, 21439), (187, 21460), (188, 21511), (189, 21514), (195, 21598), (199, 21628), (202, 21646), (207, 21715),

(210, 21748), (212, 21754), (214, 21763), (217, 21769), (228, 21823), (234, 21895), (235, 21904), (237, 21925), (242, 21982), (244, 22018), (252, 22099), (254, 22102), (260, 22171), (280, 22339), (288, 22405), (289, 22408), (293, 22432), (297, 22459), (298, 22462), (299, 22465), (300, 22471), (308, 22540), (310, 22549), (314, 22594), (315, 22603), (326, 22681), (331, 22735), (338, 22789), (344, 22846), (354, 22888), (358, 22924), (362, 22987), (368, 23038), (381, 23149), (387, 23188), (391, 23269), (404, 23443), (405, 23446), (408, 23479), (418, 23686), (420, 23695), (421, 23701), (423, 23722), (437, 24016), (450, 24223), (457, 24349), (469, 24499), (475, 24610), (483, 24655), (484, 24664), (485, 24670), (489, 24706), (501, 24799), (504, 24811), (511, 24841), (513, 24874), (516, 24886),

Gene: Shivanishola_34 Start: 25088, Stop: 29905, Start Num: 9

Candidate Starts for Shivanishola_34:

(Start: 9 @25088 has 61 MA's), (25, 25262), (29, 25295), (59, 25424), (68, 25457), (71, 25469), (74, 25481), (82, 25511), (83, 25538), (87, 25556), (107, 25667), (119, 25787), (120, 25808), (123, 25868), (125, 25901), (128, 25943), (131, 25979), (135, 26015), (137, 26030), (138, 26033), (145, 26144), (146, 26180), (148, 26231), (151, 26273), (153, 26303), (157, 26354), (160, 26387), (161, 26420), (162, 26432), (170, 26513), (173, 26534), (176, 26546), (185, 26642), (186, 26657), (187, 26678), (188, 26729), (190, 26738), (195, 26816), (202, 26864), (203, 26873), (207, 26933), (213, 26978), (216, 26987), (224, 27014), (228, 27041), (230, 27062), (233, 27098), (240, 27164), (242, 27200), (247, 27287), (248, 27290), (249, 27299), (252, 27317), (262, 27368), (265, 27374), (283, 27500), (305, 27602), (311, 27635), (317, 27698), (324, 27752), (330, 27815), (345, 27926), (351, 27953), (352, 27959), (362, 28061), (364, 28073), (369, 28127), (372, 28154), (376, 28181), (380, 28220), (388, 28286), (393, 28358), (394, 28367), (398, 28427), (401, 28472), (420, 28787), (421, 28793), (422, 28811), (429, 28907), (439, 29111), (451, 29255), (454, 29324), (460, 29420), (497, 29759), (504, 29798), (505, 29804), (508, 29810), (512, 29837), (515, 29873), (517, 29885),

Gene: Sitar_33 Start: 26184, Stop: 30995, Start Num: 9

Candidate Starts for Sitar_33:

(Start: 9 @26184 has 61 MA's), (25, 26358), (27, 26382), (59, 26520), (69, 26559), (71, 26565), (74, 26577), (78, 26595), (82, 26607), (83, 26634), (87, 26652), (90, 26664), (107, 26763), (119, 26883), (120, 26904), (123, 26964), (125, 26997), (128, 27039), (131, 27075), (135, 27111), (137, 27126), (138, 27129), (145, 27240), (146, 27276), (148, 27327), (151, 27369), (153, 27399), (157, 27450), (160, 27483), (161, 27516), (162, 27528), (170, 27609), (173, 27630), (176, 27642), (185, 27738), (186, 27753), (187, 27774), (188, 27825), (190, 27834), (195, 27912), (202, 27960), (203, 27969), (207, 28029), (212, 28068), (213, 28074), (216, 28083), (224, 28110), (228, 28137), (230, 28158), (233, 28194), (240, 28260), (242, 28296), (247, 28383), (248, 28386), (252, 28413), (262, 28464), (265, 28470), (283, 28596), (305, 28698), (311, 28731), (317, 28794), (324, 28848), (330, 28911), (345, 29022), (351, 29049), (352, 29055), (362, 29157), (364, 29169), (369, 29223), (372, 29250), (376, 29277), (380, 29316), (383, 29340), (388, 29382), (393, 29454), (394, 29463), (398, 29523), (401, 29568), (420, 29883), (421, 29889), (422, 29907), (429, 30003), (433, 30108), (439, 30207), (451, 30351), (454, 30414), (456, 30426), (460, 30510), (497, 30849), (504, 30888), (505, 30894), (508, 30900), (512, 30927), (515, 30963), (517, 30975),

Gene: SmokingBunny_29 Start: 19390, Stop: 24912, Start Num: 1

Candidate Starts for SmokingBunny_29:

(Start: 1 @19390 has 29 MA's), (3, 19477), (4, 19564), (6, 19597), (7, 19621), (13, 19744), (15, 19765), (17, 19771), (19, 19795), (24, 19825), (26, 19864), (38, 19948), (42, 19984), (44, 20008), (50, 20047), (104, 20437), (120, 20605), (123, 20665), (128, 20737), (129, 20749), (132, 20785), (134, 20809), (142, 20908), (143, 20911), (145, 20941), (147, 21016), (148, 21028), (151, 21070), (153, 21100), (157, 21151), (169, 21292), (170, 21310), (171, 21322), (173, 21331), (184, 21433), (186, 21454), (187, 21475), (188, 21526), (189, 21529), (195, 21613), (199, 21643), (202, 21661), (207, 21730), (210, 21763), (212, 21769), (214, 21778), (217, 21784), (228, 21838), (234, 21910), (235, 21919), (237, 21940), (242, 21997), (244, 22033), (252, 22114), (254, 22117), (260, 22186), (280, 22354),

(288, 22420), (289, 22423), (293, 22447), (297, 22474), (298, 22477), (299, 22480), (300, 22486), (308, 22555), (310, 22564), (314, 22609), (315, 22618), (326, 22696), (331, 22750), (338, 22804), (344, 22861), (354, 22903), (358, 22939), (362, 23002), (368, 23053), (381, 23164), (387, 23203), (391, 23284), (404, 23458), (405, 23461), (408, 23494), (418, 23701), (420, 23710), (421, 23716), (423, 23737), (437, 24031), (450, 24238), (457, 24364), (469, 24514), (475, 24625), (483, 24670), (484, 24679), (485, 24685), (489, 24721), (501, 24814), (504, 24826), (511, 24856), (513, 24889), (516, 24901),

Gene: StorminNorm_32 Start: 23529, Stop: 28547, Start Num: 9

Candidate Starts for StorminNorm_32:

(Start: 9 @23529 has 61 MA's), (16, 23616), (19, 23649), (25, 23703), (27, 23727), (31, 23769), (32, 23787), (35, 23802), (43, 23874), (47, 23901), (54, 23976), (56, 23985), (64, 24042), (65, 24060), (66, 24066), (107, 24318), (112, 24378), (123, 24519), (125, 24552), (128, 24594), (135, 24666), (137, 24681), (138, 24684), (145, 24795), (146, 24831), (148, 24882), (151, 24924), (153, 24954), (157, 25005), (160, 25038), (161, 25071), (162, 25083), (170, 25164), (176, 25197), (177, 25200), (181, 25257), (185, 25293), (186, 25308), (187, 25329), (188, 25380), (202, 25515), (203, 25524), (210, 25617), (212, 25623), (213, 25629), (216, 25638), (223, 25662), (226, 25674), (228, 25692), (233, 25749), (242, 25851), (248, 25941), (254, 25971), (262, 26019), (265, 26025), (282, 26148), (283, 26151), (284, 26157), (295, 26214), (301, 26226), (303, 26247), (305, 26253), (311, 26286), (317, 26349), (324, 26403), (330, 26466), (345, 26577), (351, 26604), (352, 26610), (362, 26712), (369, 26778), (386, 26910), (388, 26937), (394, 27018), (398, 27078), (401, 27123), (418, 27429), (420, 27438), (423, 27465), (427, 27534), (433, 27663), (439, 27762), (451, 27906), (454, 27978), (455, 27984), (456, 27990), (460, 28065), (462, 28095), (475, 28233), (485, 28293), (489, 28329), (492, 28374), (497, 28401), (504, 28440), (505, 28446), (508, 28452), (512, 28479), (515, 28515), (517, 28527),

Gene: Stultus_31 Start: 24099, Stop: 28922, Start Num: 9

Candidate Starts for Stultus_31:

(Start: 9 @24099 has 61 MA's), (25, 24273), (27, 24297), (59, 24435), (69, 24474), (71, 24480), (74, 24492), (78, 24510), (82, 24522), (83, 24549), (87, 24567), (90, 24579), (107, 24678), (120, 24819), (123, 24879), (125, 24912), (128, 24954), (131, 24990), (135, 25026), (137, 25041), (138, 25044), (145, 25155), (146, 25191), (148, 25242), (151, 25284), (153, 25314), (157, 25365), (160, 25398), (161, 25431), (162, 25443), (170, 25524), (173, 25545), (176, 25557), (185, 25653), (186, 25668), (187, 25689), (188, 25740), (190, 25749), (195, 25827), (202, 25875), (203, 25884), (207, 25944), (213, 25989), (216, 25998), (224, 26025), (228, 26052), (230, 26073), (233, 26109), (240, 26175), (242, 26211), (247, 26298), (248, 26301), (249, 26310), (252, 26328), (262, 26379), (265, 26385), (283, 26511), (301, 26586), (305, 26613), (311, 26646), (317, 26709), (324, 26763), (330, 26826), (345, 26937), (351, 26964), (352, 26970), (362, 27072), (364, 27084), (369, 27138), (372, 27165), (376, 27192), (380, 27231), (383, 27255), (388, 27297), (393, 27369), (394, 27378), (398, 27438), (401, 27483), (420, 27798), (421, 27804), (422, 27822), (429, 27918), (433, 28023), (439, 28122), (451, 28266), (454, 28341), (456, 28353), (460, 28437), (497, 28776), (504, 28815), (505, 28821), (508, 28827), (512, 28854), (515, 28890), (517, 28902),

Gene: Tangent_33 Start: 24533, Stop: 29359, Start Num: 9

Candidate Starts for Tangent_33:

(Start: 9 @24533 has 61 MA's), (25, 24707), (27, 24731), (59, 24869), (68, 24902), (71, 24914), (74, 24926), (78, 24944), (82, 24956), (87, 25001), (107, 25112), (119, 25232), (120, 25253), (123, 25313), (125, 25346), (128, 25388), (131, 25424), (135, 25460), (137, 25475), (138, 25478), (145, 25589), (146, 25625), (148, 25676), (151, 25718), (153, 25748), (157, 25799), (160, 25832), (161, 25865), (162, 25877), (170, 25958), (176, 25991), (185, 26087), (186, 26102), (187, 26123), (188, 26174), (190, 26183), (195, 26261), (202, 26309), (203, 26318), (207, 26378), (212, 26417), (213, 26423), (216, 26432), (224, 26459), (228, 26486), (230, 26507), (233, 26543), (240, 26609), (241, 26630), (242, 26645), (247, 26732), (248, 26735), (262, 26813), (273, 26873), (283, 26945), (305, 27047),

(311, 27080), (317, 27143), (324, 27197), (330, 27260), (345, 27371), (351, 27398), (352, 27404), (362, 27506), (364, 27518), (369, 27572), (372, 27599), (376, 27626), (380, 27665), (383, 27689), (386, 27704), (388, 27731), (393, 27803), (394, 27812), (398, 27872), (401, 27917), (416, 28106), (420, 28235), (421, 28241), (422, 28259), (429, 28355), (433, 28460), (439, 28559), (451, 28703), (454, 28778), (456, 28790), (460, 28874), (497, 29213), (504, 29252), (505, 29258), (508, 29264), (512, 29291), (515, 29327), (517, 29339),

Gene: Tangerine_32 Start: 23535, Stop: 28550, Start Num: 9

Candidate Starts for Tangerine_32:

(Start: 9 @23535 has 61 MA's), (16, 23622), (19, 23655), (25, 23709), (27, 23733), (31, 23775), (32, 23793), (35, 23808), (43, 23880), (47, 23907), (54, 23982), (56, 23991), (64, 24048), (65, 24066), (66, 24072), (69, 24090), (75, 24117), (107, 24324), (109, 24336), (112, 24384), (123, 24525), (125, 24558), (128, 24600), (135, 24672), (137, 24687), (138, 24690), (145, 24801), (146, 24837), (148, 24888), (151, 24930), (153, 24960), (155, 24990), (160, 25044), (161, 25077), (170, 25170), (176, 25203), (177, 25206), (181, 25263), (185, 25299), (186, 25314), (187, 25335), (188, 25386), (202, 25521), (203, 25530), (210, 25623), (212, 25629), (213, 25635), (216, 25644), (223, 25668), (226, 25680), (228, 25698), (233, 25755), (242, 25857), (248, 25947), (254, 25977), (262, 26025), (265, 26031), (282, 26154), (283, 26157), (295, 26220), (301, 26232), (303, 26253), (305, 26259), (311, 26292), (317, 26355), (324, 26409), (345, 26583), (351, 26610), (352, 26616), (362, 26718), (369, 26784), (386, 26916), (388, 26943), (394, 27024), (398, 27084), (401, 27129), (418, 27435), (420, 27444), (423, 27471), (427, 27540), (433, 27669), (439, 27768), (451, 27912), (454, 27981), (455, 27987), (456, 27993), (460, 28068), (462, 28098), (475, 28236), (485, 28296), (489, 28332), (492, 28377), (497, 28404), (504, 28443), (505, 28449), (508, 28455), (512, 28482), (515, 28518), (517, 28530),

Gene: Tardus_34 Start: 24199, Stop: 29124, Start Num: 9

Candidate Starts for Tardus_34:

(Start: 9 @24199 has 61 MA's), (19, 24319), (20, 24331), (25, 24373), (27, 24397), (29, 24406), (34, 24463), (35, 24472), (43, 24544), (48, 24577), (54, 24646), (56, 24655), (60, 24673), (73, 24754), (77, 24763), (84, 24826), (86, 24832), (91, 24859), (96, 24889), (98, 24898), (107, 24961), (109, 24973), (111, 25006), (115, 25060), (118, 25072), (122, 25114), (125, 25195), (127, 25219), (128, 25237), (129, 25249), (135, 25309), (138, 25327), (145, 25438), (146, 25474), (147, 25513), (148, 25525), (151, 25567), (153, 25597), (160, 25681), (161, 25714), (170, 25807), (173, 25828), (177, 25843), (184, 25930), (187, 25972), (189, 26026), (192, 26059), (202, 26158), (203, 26167), (207, 26227), (208, 26239), (212, 26266), (224, 26308), (225, 26314), (227, 26329), (228, 26335), (235, 26416), (236, 26419), (238, 26440), (242, 26494), (246, 26557), (254, 26614), (268, 26701), (277, 26767), (301, 26824), (302, 26827), (305, 26851), (316, 26941), (322, 26989), (353, 27217), (356, 27235), (359, 27292), (369, 27382), (374, 27445), (386, 27526), (388, 27553), (393, 27625), (394, 27634), (398, 27694), (406, 27805), (418, 28033), (420, 28042), (423, 28069), (426, 28111), (428, 28171), (436, 28333), (437, 28360), (440, 28432), (441, 28471), (458, 28678), (464, 28750), (472, 28816), (486, 28951), (490, 29014), (491, 29017), (493, 29035), (495, 29050), (500, 29077), (502, 29089),

Gene: Thing3_32 Start: 25026, Stop: 29843, Start Num: 9

Candidate Starts for Thing3_32:

(Start: 9 @25026 has 61 MA's), (25, 25200), (27, 25224), (59, 25362), (71, 25407), (74, 25419), (78, 25437), (82, 25449), (83, 25476), (87, 25494), (90, 25506), (107, 25605), (119, 25725), (120, 25746), (123, 25806), (125, 25839), (128, 25881), (135, 25953), (137, 25968), (138, 25971), (145, 26082), (146, 26118), (148, 26169), (151, 26211), (153, 26241), (157, 26292), (160, 26325), (161, 26358), (162, 26370), (170, 26451), (173, 26472), (176, 26484), (185, 26580), (186, 26595), (187, 26616), (188, 26667), (190, 26676), (195, 26754), (202, 26802), (203, 26811), (207, 26871), (213, 26916), (216, 26925), (224, 26952), (228, 26979), (230, 27000), (233, 27036), (240, 27102), (242, 27138), (247, 27225), (248, 27228), (249, 27237), (252, 27255), (262, 27306), (265, 27312), (283, 27438), (301, 27513), (305, 27540), (311, 27573), (317, 27636), (324, 27690), (330, 27753), (345, 27864),

(351, 27891), (352, 27897), (362, 27999), (364, 28011), (369, 28065), (372, 28092), (376, 28119), (380, 28158), (383, 28182), (388, 28224), (393, 28296), (394, 28305), (398, 28365), (401, 28410), (420, 28728), (421, 28734), (422, 28752), (429, 28848), (433, 28953), (439, 29052), (451, 29196), (454, 29271), (456, 29283), (460, 29358), (478, 29553), (497, 29697), (504, 29736), (505, 29742), (508, 29748), (512, 29775), (515, 29811), (517, 29823),

Gene: Tiamoceli_31 Start: 22285, Stop: 27402, Start Num: 9

Candidate Starts for Tiamoceli_31:

(Start: 9 @22285 has 61 MA's), (19, 22405), (25, 22459), (28, 22492), (33, 22549), (35, 22558), (36, 22561), (43, 22630), (45, 22642), (47, 22657), (51, 22693), (54, 22732), (55, 22738), (57, 22744), (63, 22777), (68, 22819), (70, 22828), (72, 22837), (73, 22843), (86, 22921), (89, 22939), (96, 22978), (105, 23035), (107, 23050), (117, 23143), (128, 23314), (135, 23386), (138, 23404), (142, 23482), (145, 23515), (146, 23551), (147, 23590), (148, 23602), (153, 23674), (157, 23725), (159, 23746), (160, 23758), (164, 23809), (166, 23839), (173, 23905), (184, 24007), (187, 24049), (189, 24103), (191, 24133), (192, 24136), (195, 24187), (198, 24214), (202, 24235), (206, 24301), (210, 24337), (212, 24343), (223, 24382), (226, 24394), (227, 24406), (228, 24412), (230, 24433), (238, 24517), (239, 24532), (241, 24556), (251, 24691), (254, 24703), (263, 24766), (264, 24769), (279, 24874), (281, 24892), (290, 24922), (302, 24973), (311, 25030), (318, 25105), (319, 25114), (320, 25123), (321, 25129), (328, 25180), (332, 25213), (333, 25225), (336, 25246), (337, 25258), (340, 25291), (343, 25312), (360, 25444), (366, 25498), (389, 25705), (397, 25819), (399, 25831), (408, 25957), (411, 25975), (414, 26053), (423, 26242), (425, 26272), (430, 26443), (435, 26470), (445, 26677), (446, 26680), (448, 26698), (465, 26947), (467, 26965), (470, 26977), (479, 27094), (498, 27250), (499, 27253), (507, 27295), (509, 27313), (512, 27328), (514, 27367),

Gene: TillyBobJoe_29 Start: 19189, Stop: 24723, Start Num: 1

Candidate Starts for TillyBobJoe_29:

(Start: 1 @19189 has 29 MA's), (3, 19276), (4, 19363), (6, 19396), (7, 19420), (13, 19543), (15, 19564), (17, 19570), (19, 19594), (21, 19603), (24, 19624), (26, 19663), (38, 19747), (42, 19783), (44, 19807), (50, 19846), (104, 20236), (120, 20404), (123, 20464), (128, 20536), (129, 20548), (132, 20584), (134, 20608), (142, 20707), (143, 20710), (145, 20740), (147, 20815), (148, 20827), (151, 20869), (153, 20899), (157, 20950), (169, 21091), (170, 21109), (171, 21121), (173, 21130), (184, 21232), (186, 21253), (187, 21274), (188, 21325), (189, 21328), (190, 21334), (195, 21412), (199, 21442), (202, 21460), (207, 21529), (210, 21562), (212, 21568), (214, 21577), (217, 21583), (228, 21637), (234, 21709), (235, 21718), (237, 21739), (242, 21796), (244, 21832), (252, 21913), (254, 21916), (260, 21985), (271, 22057), (280, 22153), (288, 22219), (289, 22222), (293, 22246), (297, 22273), (298, 22276), (299, 22279), (300, 22285), (308, 22354), (310, 22363), (314, 22408), (315, 22417), (326, 22495), (339, 22624), (341, 22639), (347, 22681), (354, 22723), (357, 22741), (358, 22759), (362, 22822), (368, 22873), (381, 22984), (387, 23023), (391, 23104), (404, 23278), (405, 23281), (408, 23314), (410, 23329), (418, 23521), (420, 23530), (421, 23536), (428, 23650), (432, 23770), (441, 23950), (457, 24175), (469, 24325), (483, 24481), (484, 24490), (489, 24532), (503, 24631), (504, 24637), (511, 24667), (513, 24700), (516, 24712),

Gene: Togo_29 Start: 19390, Stop: 24912, Start Num: 1

Candidate Starts for Togo_29:

(Start: 1 @19390 has 29 MA's), (3, 19477), (4, 19564), (6, 19597), (7, 19621), (13, 19744), (15, 19765), (17, 19771), (19, 19795), (24, 19825), (26, 19864), (38, 19948), (42, 19984), (44, 20008), (50, 20047), (104, 20437), (120, 20605), (123, 20665), (128, 20737), (129, 20749), (132, 20785), (134, 20809), (142, 20908), (143, 20911), (145, 20941), (147, 21016), (148, 21028), (151, 21070), (153, 21100), (157, 21151), (169, 21292), (170, 21310), (171, 21322), (173, 21331), (184, 21433), (186, 21454), (187, 21475), (188, 21526), (189, 21529), (195, 21613), (199, 21643), (202, 21661), (207, 21730), (210, 21763), (212, 21769), (214, 21778), (217, 21784), (228, 21838), (234, 21910), (235, 21919), (237, 21940), (242, 21997), (244, 22033), (252, 22114), (254, 22117), (260, 22186), (280, 22354), (288, 22420), (289, 22423), (293, 22447), (297, 22474), (298, 22477), (299, 22480), (300, 22486),

(308, 22555), (310, 22564), (314, 22609), (315, 22618), (326, 22696), (331, 22750), (338, 22804), (344, 22861), (354, 22903), (358, 22939), (362, 23002), (368, 23053), (381, 23164), (387, 23203), (391, 23284), (404, 23458), (405, 23461), (408, 23494), (418, 23701), (420, 23710), (421, 23716), (423, 23737), (437, 24031), (450, 24238), (457, 24364), (469, 24514), (475, 24625), (483, 24670), (484, 24679), (485, 24685), (489, 24721), (501, 24814), (504, 24826), (511, 24856), (513, 24889), (516, 24901),

Gene: Twister6_31 Start: 19817, Stop: 25348, Start Num: 1

Candidate Starts for Twister6_31:

(Start: 1 @19817 has 29 MA's), (3, 19904), (4, 19991), (6, 20024), (7, 20048), (13, 20171), (15, 20192), (17, 20198), (19, 20222), (24, 20252), (26, 20291), (38, 20375), (42, 20411), (44, 20435), (50, 20474), (104, 20864), (120, 21032), (123, 21092), (128, 21164), (129, 21176), (132, 21212), (134, 21236), (142, 21335), (143, 21338), (145, 21368), (147, 21443), (148, 21455), (151, 21497), (153, 21527), (157, 21578), (169, 21719), (170, 21737), (171, 21749), (173, 21758), (184, 21860), (186, 21881), (187, 21902), (188, 21953), (189, 21956), (190, 21962), (195, 22040), (199, 22070), (202, 22088), (207, 22157), (210, 22190), (212, 22196), (214, 22205), (217, 22211), (228, 22265), (231, 22310), (234, 22337), (235, 22346), (237, 22367), (242, 22424), (244, 22460), (252, 22541), (254, 22544), (260, 22613), (271, 22685), (280, 22781), (288, 22847), (289, 22850), (293, 22874), (297, 22901), (298, 22904), (299, 22907), (300, 22913), (308, 22982), (310, 22991), (314, 23036), (315, 23045), (326, 23123), (331, 23177), (338, 23231), (344, 23288), (354, 23330), (358, 23366), (362, 23429), (368, 23480), (381, 23591), (387, 23630), (391, 23711), (404, 23885), (405, 23888), (408, 23921), (418, 24128), (420, 24137), (421, 24143), (437, 24455), (450, 24662), (457, 24800), (469, 24950), (475, 25061), (483, 25106), (484, 25115), (485, 25121), (489, 25157), (501, 25250), (504, 25262), (511, 25292), (513, 25325), (516, 25337),

Gene: Twonlo_28 Start: 20903, Stop: 26020, Start Num: 9

Candidate Starts for Twonlo_28:

(Start: 9 @20903 has 61 MA's), (19, 21023), (25, 21077), (28, 21110), (33, 21167), (35, 21176), (36, 21179), (43, 21248), (45, 21260), (47, 21275), (51, 21311), (54, 21350), (55, 21356), (57, 21362), (63, 21395), (68, 21437), (70, 21446), (72, 21455), (73, 21461), (86, 21539), (89, 21557), (96, 21596), (105, 21653), (107, 21668), (117, 21761), (128, 21932), (135, 22004), (138, 22022), (142, 22100), (145, 22133), (146, 22169), (147, 22208), (148, 22220), (153, 22292), (157, 22343), (159, 22364), (160, 22376), (164, 22427), (166, 22457), (173, 22523), (184, 22625), (187, 22667), (189, 22721), (191, 22751), (192, 22754), (195, 22805), (198, 22832), (202, 22853), (206, 22919), (210, 22955), (212, 22961), (223, 23000), (226, 23012), (227, 23024), (228, 23030), (230, 23051), (238, 23135), (239, 23150), (241, 23174), (251, 23309), (254, 23321), (263, 23384), (264, 23387), (279, 23492), (281, 23510), (290, 23540), (302, 23591), (311, 23648), (318, 23723), (319, 23732), (320, 23741), (321, 23747), (328, 23798), (332, 23831), (333, 23843), (336, 23864), (337, 23876), (340, 23909), (343, 23930), (360, 24062), (366, 24116), (389, 24323), (397, 24437), (399, 24449), (408, 24575), (411, 24593), (414, 24671), (423, 24860), (425, 24890), (430, 25061), (435, 25088), (445, 25295), (446, 25298), (448, 25316), (465, 25565), (467, 25583), (470, 25595), (479, 25712), (498, 25868), (499, 25871), (507, 25913), (509, 25931), (512, 25946), (514, 25985),

Gene: Tycho_32 Start: 23624, Stop: 28639, Start Num: 9

Candidate Starts for Tycho_32:

(Start: 9 @23624 has 61 MA's), (16, 23711), (19, 23744), (25, 23798), (27, 23822), (31, 23864), (32, 23882), (35, 23897), (43, 23969), (47, 23996), (54, 24071), (56, 24080), (64, 24137), (65, 24155), (66, 24161), (107, 24413), (112, 24473), (123, 24614), (125, 24647), (128, 24689), (135, 24761), (137, 24776), (138, 24779), (145, 24890), (146, 24926), (148, 24977), (151, 25019), (153, 25049), (157, 25100), (160, 25133), (161, 25166), (162, 25178), (170, 25259), (176, 25292), (177, 25295), (181, 25352), (185, 25388), (186, 25403), (187, 25424), (188, 25475), (202, 25610), (203, 25619), (210, 25712), (212, 25718), (213, 25724), (216, 25733), (221, 25745), (223, 25757), (226, 25769), (228, 25787), (233, 25844), (242, 25946), (243, 25964), (245, 25988), (248, 26036), (254, 26066), (262,

26114), (265, 26120), (282, 26243), (283, 26246), (284, 26252), (295, 26309), (301, 26321), (303, 26342), (305, 26348), (311, 26381), (317, 26444), (324, 26498), (330, 26561), (345, 26672), (351, 26699), (352, 26705), (362, 26807), (369, 26873), (386, 27005), (388, 27032), (394, 27113), (398, 27173), (401, 27218), (418, 27524), (420, 27533), (423, 27560), (427, 27629), (433, 27758), (439, 27857), (451, 28001), (454, 28070), (455, 28076), (456, 28082), (460, 28157), (462, 28187), (475, 28325), (485, 28385), (489, 28421), (492, 28466), (497, 28493), (504, 28532), (505, 28538), (508, 28544), (512, 28571), (515, 28607), (517, 28619),

Gene: Valary_32 Start: 20326, Stop: 25857, Start Num: 1

Candidate Starts for Valary_32:

(Start: 1 @20326 has 29 MA's), (3, 20413), (4, 20500), (6, 20533), (13, 20680), (15, 20701), (17, 20707), (19, 20731), (24, 20761), (26, 20800), (38, 20884), (42, 20920), (44, 20944), (50, 20983), (104, 21373), (120, 21541), (123, 21601), (128, 21673), (129, 21685), (132, 21721), (134, 21745), (142, 21844), (143, 21847), (145, 21877), (147, 21952), (148, 21964), (151, 22006), (153, 22036), (157, 22087), (169, 22228), (170, 22246), (171, 22258), (173, 22267), (184, 22369), (186, 22390), (187, 22411), (188, 22462), (189, 22465), (195, 22549), (199, 22579), (202, 22597), (207, 22666), (210, 22699), (212, 22705), (214, 22714), (217, 22720), (228, 22774), (234, 22846), (235, 22855), (237, 22876), (242, 22933), (244, 22969), (252, 23050), (254, 23053), (260, 23122), (280, 23290), (288, 23356), (289, 23359), (293, 23383), (297, 23410), (298, 23413), (299, 23416), (300, 23422), (308, 23491), (310, 23500), (314, 23545), (315, 23554), (326, 23632), (331, 23686), (338, 23740), (344, 23797), (354, 23839), (358, 23875), (362, 23938), (368, 23989), (377, 24073), (381, 24100), (387, 24139), (388, 24160), (391, 24220), (404, 24394), (405, 24397), (408, 24430), (418, 24637), (420, 24646), (421, 24652), (437, 24964), (450, 25171), (457, 25309), (469, 25459), (475, 25570), (483, 25615), (484, 25624), (485, 25630), (489, 25666), (501, 25759), (504, 25771), (511, 25801), (513, 25834), (516, 25846),

Gene: VanDeWege_32 Start: 20198, Stop: 25696, Start Num: 1

Candidate Starts for VanDeWege_32:

(Start: 1 @20198 has 29 MA's), (3, 20285), (4, 20372), (6, 20405), (7, 20429), (13, 20552), (15, 20573), (17, 20579), (19, 20603), (24, 20633), (26, 20672), (38, 20756), (42, 20792), (44, 20816), (50, 20855), (104, 21245), (120, 21413), (123, 21473), (128, 21545), (129, 21557), (132, 21593), (134, 21617), (142, 21716), (143, 21719), (145, 21749), (147, 21824), (148, 21836), (151, 21878), (153, 21908), (157, 21959), (169, 22100), (170, 22118), (171, 22130), (173, 22139), (184, 22241), (186, 22262), (187, 22283), (188, 22334), (189, 22337), (190, 22343), (195, 22421), (199, 22451), (202, 22469), (207, 22538), (210, 22571), (212, 22577), (214, 22586), (217, 22592), (228, 22646), (231, 22691), (234, 22718), (235, 22727), (237, 22748), (242, 22805), (244, 22841), (252, 22922), (254, 22925), (260, 22994), (271, 23066), (280, 23162), (288, 23228), (289, 23231), (293, 23255), (297, 23282), (298, 23285), (299, 23288), (300, 23294), (308, 23363), (310, 23372), (314, 23417), (315, 23426), (326, 23504), (331, 23558), (338, 23612), (344, 23669), (354, 23711), (358, 23747), (362, 23810), (368, 23861), (370, 23891), (381, 23972), (387, 24011), (391, 24092), (395, 24134), (404, 24266), (405, 24269), (408, 24302), (420, 24518), (421, 24524), (428, 24638), (431, 24749), (440, 24911), (444, 24992), (449, 25019), (469, 25298), (475, 25409), (483, 25454), (484, 25463), (485, 25469), (489, 25505), (501, 25598), (504, 25610), (511, 25640), (513, 25673), (516, 25685),

Gene: Verity_32 Start: 25053, Stop: 29963, Start Num: 9

Candidate Starts for Verity_32:

(Start: 9 @25053 has 61 MA's), (19, 25173), (20, 25185), (24, 25206), (25, 25227), (27, 25251), (34, 25317), (35, 25326), (36, 25329), (48, 25431), (54, 25500), (56, 25509), (77, 25617), (81, 25638), (84, 25680), (86, 25686), (96, 25743), (98, 25752), (107, 25815), (115, 25914), (118, 25926), (122, 25968), (125, 26049), (127, 26073), (129, 26103), (133, 26160), (135, 26163), (136, 26169), (138, 26181), (141, 26253), (145, 26292), (146, 26328), (147, 26367), (148, 26379), (151, 26421), (153, 26451), (160, 26535), (161, 26568), (170, 26661), (173, 26682), (177, 26697), (184, 26784), (187, 26826), (189, 26880), (190, 26886), (192, 26913), (201, 27000), (202, 27012), (203, 27021), (207, 27081),

(208, 27093), (212, 27120), (224, 27162), (225, 27168), (227, 27183), (228, 27189), (231, 27234), (234, 27261), (235, 27270), (236, 27273), (246, 27411), (252, 27465), (254, 27468), (268, 27555), (292, 27657), (304, 27702), (305, 27705), (316, 27795), (353, 28071), (355, 28086), (356, 28089), (367, 28212), (369, 28236), (374, 28299), (385, 28356), (394, 28473), (396, 28515), (398, 28533), (406, 28644), (413, 28746), (419, 28878), (420, 28884), (421, 28890), (423, 28911), (426, 28953), (436, 29172), (437, 29199), (440, 29271), (441, 29310), (458, 29517), (463, 29583), (464, 29589), (472, 29655), (478, 29751), (486, 29790), (490, 29853), (491, 29856), (493, 29874), (495, 29889), (500, 29916), (502, 29928),

Gene: ViaConlectus_33 Start: 23474, Stop: 28399, Start Num: 9

Candidate Starts for ViaConlectus_33:

(Start: 9 @23474 has 61 MA's), (19, 23594), (20, 23606), (25, 23648), (27, 23672), (34, 23738), (35, 23747), (43, 23819), (48, 23852), (54, 23921), (56, 23930), (60, 23948), (70, 24014), (73, 24029), (77, 24038), (84, 24101), (86, 24107), (91, 24134), (96, 24164), (98, 24173), (107, 24236), (109, 24248), (115, 24335), (118, 24347), (125, 24470), (127, 24494), (128, 24512), (129, 24524), (135, 24584), (136, 24590), (138, 24602), (145, 24713), (146, 24749), (147, 24788), (148, 24800), (151, 24842), (153, 24872), (156, 24914), (157, 24923), (158, 24926), (160, 24956), (161, 24989), (170, 25082), (173, 25103), (177, 25118), (184, 25205), (186, 25226), (187, 25247), (189, 25301), (192, 25334), (195, 25385), (202, 25433), (203, 25442), (207, 25502), (208, 25514), (210, 25535), (212, 25541), (224, 25583), (225, 25589), (227, 25604), (228, 25610), (235, 25691), (236, 25694), (238, 25715), (242, 25769), (246, 25832), (254, 25889), (268, 25976), (277, 26042), (301, 26099), (302, 26102), (305, 26126), (316, 26216), (322, 26264), (353, 26492), (356, 26510), (359, 26567), (369, 26657), (374, 26720), (386, 26801), (388, 26828), (393, 26900), (394, 26909), (398, 26969), (406, 27080), (418, 27311), (420, 27320), (423, 27347), (426, 27389), (428, 27446), (436, 27608), (437, 27635), (440, 27707), (441, 27746), (458, 27953), (464, 28025), (472, 28091), (486, 28226), (490, 28289), (491, 28292), (493, 28310), (495, 28325), (500, 28352), (502, 28364),

Gene: Vivi2_35 Start: 25706, Stop: 30517, Start Num: 9

Candidate Starts for Vivi2_35:

(Start: 9 @25706 has 61 MA's), (25, 25880), (27, 25904), (59, 26042), (68, 26075), (71, 26087), (74, 26099), (78, 26117), (82, 26129), (87, 26174), (90, 26186), (107, 26285), (119, 26405), (120, 26426), (123, 26486), (125, 26519), (128, 26561), (131, 26597), (135, 26633), (137, 26648), (138, 26651), (145, 26762), (146, 26798), (148, 26849), (151, 26891), (153, 26921), (157, 26972), (160, 27005), (161, 27038), (162, 27050), (170, 27131), (173, 27152), (176, 27164), (185, 27260), (186, 27275), (187, 27296), (188, 27347), (190, 27356), (202, 27482), (203, 27491), (207, 27551), (213, 27596), (216, 27605), (224, 27632), (228, 27659), (230, 27680), (233, 27716), (240, 27782), (242, 27818), (247, 27905), (248, 27908), (262, 27986), (265, 27992), (283, 28118), (305, 28220), (311, 28253), (317, 28316), (324, 28370), (330, 28433), (345, 28544), (351, 28571), (352, 28577), (362, 28679), (369, 28745), (370, 28760), (372, 28772), (376, 28799), (380, 28838), (388, 28904), (394, 28985), (398, 29045), (401, 29090), (420, 29405), (421, 29411), (422, 29429), (429, 29522), (439, 29726), (451, 29870), (454, 29945), (460, 30032), (497, 30371), (504, 30410), (505, 30416), (508, 30422), (512, 30449), (515, 30485), (517, 30497),

Gene: Wizard_29 Start: 19524, Stop: 25055, Start Num: 1

Candidate Starts for Wizard_29:

(Start: 1 @19524 has 29 MA's), (3, 19611), (4, 19698), (6, 19731), (7, 19755), (13, 19878), (15, 19899), (17, 19905), (19, 19929), (24, 19959), (26, 19998), (38, 20082), (42, 20118), (44, 20142), (50, 20181), (104, 20571), (120, 20739), (123, 20799), (128, 20871), (129, 20883), (132, 20919), (134, 20943), (142, 21042), (143, 21045), (145, 21075), (147, 21150), (148, 21162), (151, 21204), (153, 21234), (157, 21285), (169, 21426), (170, 21444), (171, 21456), (173, 21465), (184, 21567), (186, 21588), (187, 21609), (188, 21660), (189, 21663), (190, 21669), (195, 21747), (199, 21777), (202, 21795), (207, 21864), (210, 21897), (212, 21903), (214, 21912), (217, 21918), (228, 21972), (231, 22017), (234, 22044), (235, 22053), (237, 22074), (242, 22131), (244, 22167), (252, 22248), (254, 22251),

(260, 22320), (271, 22392), (280, 22488), (288, 22554), (289, 22557), (293, 22581), (297, 22608), (298, 22611), (299, 22614), (300, 22620), (308, 22689), (310, 22698), (314, 22743), (315, 22752), (326, 22830), (331, 22884), (338, 22938), (344, 22995), (354, 23037), (358, 23073), (362, 23136), (368, 23187), (381, 23298), (387, 23337), (391, 23418), (404, 23592), (405, 23595), (408, 23628), (418, 23835), (420, 23844), (421, 23850), (437, 24162), (450, 24369), (457, 24507), (469, 24657), (475, 24768), (483, 24813), (484, 24822), (485, 24828), (489, 24864), (501, 24957), (504, 24969), (511, 24999), (513, 25032), (516, 25044),

Gene: YorkOnyx_33 Start: 23880, Stop: 28898, Start Num: 9

Candidate Starts for YorkOnyx_33:

(Start: 9 @23880 has 61 MA's), (14, 23955), (19, 24000), (25, 24054), (27, 24078), (31, 24120), (32, 24138), (35, 24153), (43, 24225), (47, 24252), (54, 24327), (56, 24336), (64, 24393), (65, 24411), (66, 24417), (69, 24435), (75, 24462), (97, 24600), (101, 24618), (107, 24669), (109, 24681), (112, 24729), (123, 24870), (125, 24903), (128, 24945), (135, 25017), (137, 25032), (138, 25035), (145, 25146), (146, 25182), (148, 25233), (151, 25275), (153, 25305), (160, 25389), (161, 25422), (170, 25515), (176, 25548), (177, 25551), (181, 25608), (185, 25644), (186, 25659), (187, 25680), (188, 25731), (190, 25740), (195, 25818), (202, 25866), (203, 25875), (210, 25968), (212, 25974), (213, 25980), (216, 25989), (223, 26013), (226, 26025), (228, 26043), (233, 26100), (240, 26166), (242, 26202), (245, 26244), (248, 26292), (254, 26322), (262, 26370), (265, 26376), (282, 26499), (283, 26502), (295, 26565), (301, 26577), (303, 26598), (305, 26604), (311, 26637), (317, 26700), (324, 26754), (330, 26817), (345, 26928), (351, 26955), (352, 26961), (362, 27063), (369, 27129), (386, 27261), (388, 27288), (394, 27369), (398, 27429), (401, 27474), (418, 27780), (420, 27789), (423, 27816), (433, 28014), (439, 28113), (451, 28257), (454, 28329), (455, 28335), (456, 28341), (460, 28416), (462, 28446), (475, 28584), (485, 28644), (489, 28680), (492, 28725), (497, 28752), (504, 28791), (505, 28797), (508, 28803), (512, 28830), (515, 28866), (517, 28878),

Gene: YungMoney_31 Start: 20893, Stop: 26415, Start Num: 1

Candidate Starts for YungMoney_31:

(Start: 1 @20893 has 29 MA's), (4, 21067), (6, 21100), (7, 21124), (13, 21247), (15, 21268), (17, 21274), (19, 21298), (24, 21328), (26, 21367), (42, 21487), (44, 21511), (50, 21550), (115, 22066), (120, 22108), (123, 22168), (128, 22240), (132, 22288), (139, 22342), (143, 22414), (145, 22444), (147, 22519), (148, 22531), (151, 22573), (153, 22603), (157, 22654), (165, 22747), (169, 22795), (170, 22813), (171, 22825), (173, 22834), (183, 22933), (184, 22936), (186, 22957), (187, 22978), (188, 23029), (189, 23032), (195, 23116), (199, 23146), (202, 23164), (204, 23191), (207, 23233), (223, 23311), (224, 23314), (225, 23320), (228, 23341), (229, 23344), (234, 23413), (236, 23425), (242, 23500), (252, 23617), (254, 23620), (257, 23668), (280, 23857), (288, 23923), (289, 23926), (293, 23950), (298, 23980), (299, 23983), (300, 23989), (306, 24034), (308, 24058), (310, 24067), (314, 24112), (315, 24121), (317, 24133), (322, 24178), (323, 24181), (326, 24199), (335, 24274), (348, 24382), (354, 24409), (362, 24508), (368, 24559), (381, 24670), (387, 24709), (391, 24790), (404, 24964), (405, 24967), (408, 25000), (418, 25210), (420, 25219), (424, 25267), (437, 25537), (450, 25744), (453, 25834), (457, 25867), (468, 26014), (469, 26017), (475, 26128), (484, 26182), (489, 26224), (501, 26317), (504, 26329), (511, 26359), (513, 26392), (516, 26404),

Gene: Zipp_32 Start: 24950, Stop: 29863, Start Num: 9

Candidate Starts for Zipp_32:

(Start: 9 @24950 has 61 MA's), (19, 25070), (20, 25082), (24, 25103), (25, 25124), (27, 25148), (34, 25214), (35, 25223), (36, 25226), (43, 25295), (48, 25328), (51, 25358), (54, 25397), (56, 25406), (77, 25514), (81, 25535), (84, 25577), (86, 25583), (96, 25640), (98, 25649), (107, 25712), (115, 25811), (118, 25823), (122, 25865), (125, 25946), (127, 25970), (129, 26000), (133, 26057), (135, 26060), (136, 26066), (138, 26078), (141, 26150), (145, 26189), (146, 26225), (147, 26264), (148, 26276), (151, 26318), (153, 26348), (160, 26432), (161, 26465), (170, 26558), (173, 26579), (177, 26594), (184, 26681), (187, 26723), (189, 26777), (190, 26783), (192, 26810), (197, 26885), (202, 26909), (203, 26918), (207, 26978), (208, 26990), (211, 27014), (212, 27017), (222, 27047), (224, 27059),

(225, 27065), (227, 27080), (228, 27086), (231, 27131), (234, 27158), (235, 27167), (236, 27170), (246, 27308), (252, 27362), (254, 27365), (268, 27452), (304, 27599), (305, 27602), (316, 27692), (353, 27968), (355, 27983), (356, 27986), (367, 28109), (369, 28133), (374, 28196), (385, 28253), (394, 28370), (396, 28412), (398, 28430), (406, 28541), (413, 28643), (419, 28775), (421, 28787), (423, 28808), (426, 28853), (436, 29072), (437, 29099), (440, 29171), (441, 29210), (458, 29417), (463, 29483), (464, 29489), (472, 29555), (478, 29651), (486, 29690), (490, 29753), (491, 29756), (493, 29774), (495, 29789), (500, 29816), (502, 29828),

Gene: Zitch_34 Start: 22821, Stop: 27749, Start Num: 9

Candidate Starts for Zitch_34:

(Start: 9 @22821 has 61 MA's), (19, 22941), (20, 22953), (25, 22995), (27, 23019), (29, 23028), (34, 23085), (35, 23094), (43, 23166), (54, 23268), (56, 23277), (60, 23295), (73, 23376), (77, 23385), (84, 23448), (86, 23454), (91, 23481), (96, 23511), (98, 23520), (107, 23583), (111, 23628), (118, 23694), (125, 23817), (127, 23841), (128, 23859), (135, 23931), (138, 23949), (141, 24021), (145, 24060), (146, 24096), (147, 24135), (148, 24147), (151, 24189), (153, 24219), (160, 24303), (161, 24336), (170, 24429), (177, 24465), (181, 24522), (184, 24552), (187, 24594), (189, 24648), (192, 24681), (195, 24732), (202, 24780), (203, 24789), (207, 24849), (208, 24861), (210, 24882), (212, 24888), (224, 24930), (225, 24936), (227, 24951), (228, 24957), (235, 25038), (236, 25041), (238, 25062), (242, 25116), (246, 25179), (254, 25236), (268, 25323), (277, 25389), (301, 25446), (302, 25449), (305, 25473), (316, 25563), (322, 25611), (353, 25839), (356, 25857), (359, 25914), (369, 26004), (374, 26067), (386, 26148), (388, 26175), (393, 26247), (394, 26256), (398, 26316), (406, 26427), (418, 26658), (420, 26667), (423, 26694), (426, 26736), (436, 26955), (437, 26982), (440, 27054), (441, 27093), (458, 27300), (464, 27372), (472, 27441), (486, 27576), (490, 27639), (491, 27642), (493, 27660), (495, 27675), (500, 27702), (502, 27714),