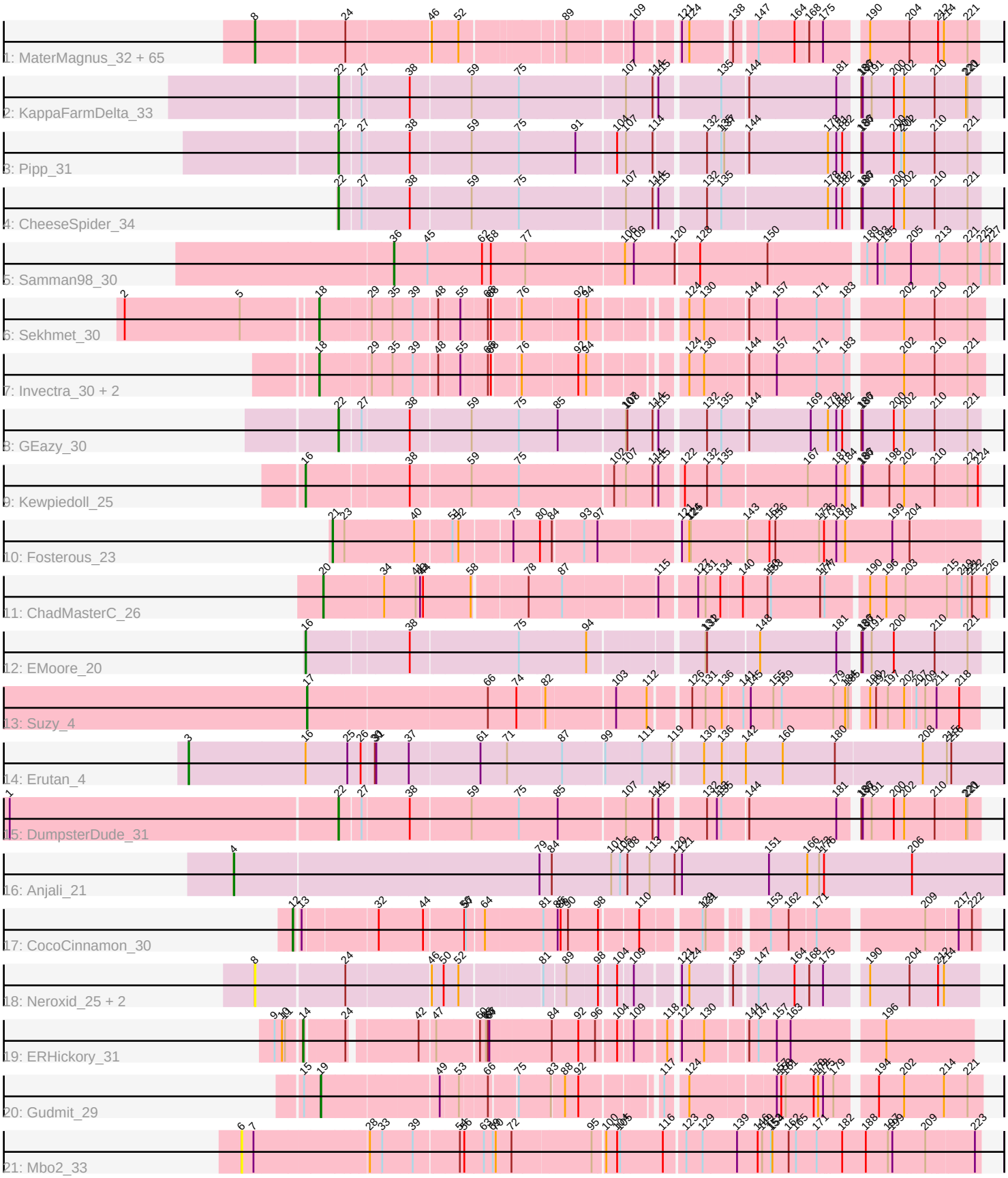
Pham 347484


1: MaterMagnus_32 + 65
2: KappaFarmDelta_33
3: Pipp_31
4: CheeseSpider_34
5: Samman98_30
6: Sekhmet_30
7: Invectra_30 + 2
8: GEazy_30
9: Kewpiedoll_25
10: Fosterous_23
11: ChadMasterC_26
12: EMoore_20
13: Suzy_4
14: Erutan_4
15: DumpsterDude_31
16: Anjali_21
17: CocoCinnamon_30
18: Neroxid_25 + 2
19: ERHickory_31
20: Gudmit_29
21: Mbo2_33

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 347484 Report

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

Pham number 347484 has 90 members, 14 are drafts.

Phages represented in each track:
• Track 1 : MaterMagnus_32, MidnightRain_32, Hillester_32, Bauer_28, MUWow_31, Isolde_32, BenchScraper_32, FosterFrank_31, CookieBear_32, Nandita_32, BellaJr_29, SonDevVon_31, Sporco_33, Kabloowy_33, ChuckDuck_31, GumGum_32, RadFad_32, Ichiang_30, Toodles_33, KayMoney_31, Lasker_33, Sakai_32, BlackSpider_27, Richie_32, LilyBell_30, Satrap_32, Guinevere_32, Lenoxika_32, MillySue_33, QuinnAvery_32, Saintcarr_32, GoodLuckBabe_33, Constance_30, DarwinJr_36, Yonex_32, Kihatsu_33, Raphaella_32, Henrique_32, BigSherm_33, GlobiWarming_31, ToastyOats_35, Zaheer_32, Gusanita_30, Schism_32, Mapleville_32, Karkharias_30, BasketStar_32, Donatella_31, CosmicBrownie_32, BlueShadow_32, NikkiHotWheels_32, PeggyLeg03_30, Shukran_33, Halloweekend_30, Hestia_32, ThayneTheZag_32, Ryan_32, Popper_30, Dirtdigger_32, Judy_31, Lawnathon_32, Bridgette_30, Cole_30, YoungHarleezy_32, SpicyFrank_32, Globfish_32
• Track 2 : KappaFarmDelta_33
• Track 3 : Pipp_31
• Track 4 : CheeseSpider_34
• Track 5 : Samman98_30
• Track 6 : Sekhmet_30
• Track 7 : Invectra_30, Easley_30, WinkNick_30
• Track 8 : GEazy_30
• Track 9 : Kewpiedoll_25
• Track 10 : Fosterous_23
• Track 11 : ChadMasterC_26
• Track 12 : EMoore_20
• Track 13 : Suzy_4
• Track 14 : Erutan_4
• Track 15 : DumpsterDude_31
• Track 16 : Anjali_21
• Track 17 : CocoCinnamon_30
• Track 18 : Neroxid_25, Raya_25, Skyerus_25
• Track 19 : ERHickory_31
• Track 20 : Gudmit_29
• Track 21 : Mbo2_33

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

The start number called the most often in the published annotations is 8, it was called in 56 of the 76 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BasketStar_32, Bauer_28, BellaJr_29, BenchScraper_32, BigSherm_33, BlackSpider_27, BlueShadow_32, Bridgette_30, ChuckDuck_31, Cole_30, Constance_30, CookieBear_32, CosmicBrownie_32, DarwinJr_36, Dirtdigger_32, Donatella_31, FosterFrank_31, Globfish_32, GlobiWarming_31, GoodLuckBabe_33, Guinevere_32, GumGum_32, Gusanita_30, Halloweekend_30, Henrique_32, Hestia_32, Hillester_32, Ichiang_30, Isolde_32, Judy_31, Kabloowy_33, Karkharias_30, KayMoney_31, Kihatsu_33, Lasker_33, Lawnathon_32, Lenoxika_32, LilyBell_30, MUWow_31, Mapleville_32, MaterMagnus_32, MidnightRain_32, MillySue_33, Nandita_32, Neroxid_25, NikkiHotWheels_32, PeggyLeg03_30, Popper_30, QuinnAvery_32, RadFad_32, Raphaella_32, Raya_25, Richie_32, Ryan_32, Saintcarr_32, Sakai_32, Satrap_32, Schism_32, Shukran_33, Skyerus_25, SonDevVon_31, SpicyFrank_32, Sporco_33, ThayneTheZag_32, ToastyOats_35, Toodles_33, Yonex_32, YoungHarleezy_32, Zaheer_32,

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

Genes that do not have the "Most Annotated" start:
• Anjali_21, ChadMasterC_26, CheeseSpider_34, CocoCinnamon_30, DumpsterDude_31, EMoore_20, ERHickory_31, Easley_30, Erutan_4, Fosterous_23, GEazy_30, Gudmit_29, Invectra_30, KappaFarmDelta_33, Kewpiedoll_25, Mbo2_33, Pipp_31, Samman98_30, Sekhmet_30, Suzy_4, WinkNick_30,

Summary by start number:

Start 3:
• Found in 1 of 90 (1.1%) of genes in pham
• Manual Annotations of this start: 1 of 76
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Erutan_4 (DV),

Start 4:
• Found in 1 of 90 (1.1%) of genes in pham
• Manual Annotations of this start: 1 of 76
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anjali_21 (FD),

Start 6:
• Found in 1 of 90 (1.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Mbo2_33 (singleton),

Start 8:
• Found in 69 of 90 (76.7%) of genes in pham
• Manual Annotations of this start: 56 of 76
• Called 100.0% of time when present

• Phage (with cluster) where this start called: BasketStar_32 (AY), Bauer_28 (FN), BellaJr_29 (FN), BenchScraper_32 (AY), BigSherm_33 (FF), BlackSpider_27 (FN), BlueShadow_32 (AY), Bridgette_30 (FA), ChuckDuck_31 (FA), Cole_30 (FF), Constance_30 (FA), CookieBear_32 (AY), CosmicBrownie_32 (AY), DarwinJr_36 (AY), Dirtdigger_32 (FF), Donatella_31 (FF), FosterFrank_31 (FA), Globfish_32 (AY), GlobiWarming_31 (FA), GoodLuckBabe_33 (FF), Guinevere_32 (FF), GumGum_32 (AY), Gusanita_30 (FF), Halloweekend_30 (FF), Henrique_32 (FA), Hestia_32 (AY), Hillester_32 (AY), Ichiang_30 (FF), Isolde_32 (AY), Judy_31 (FA), Kabloowy_33 (AY), Karkharias_30 (FA), KayMoney_31 (FA), Kihatsu_33 (FF), Lasker_33 (AY), Lawnathon_32 (AY), Lenoxika_32 (FF), LilyBell_30 (FA), MUWow_31 (AY), Mapleville_32 (AY), MaterMagnus_32 (AY), MidnightRain_32 (AY), MillySue_33 (FF), Nandita_32 (FF), Neroxid_25 (FQ2), NikkiHotWheels_32 (FA), PeggyLeg03_30 (FA), Popper_30 (FF), QuinnAvery_32 (FF), RadFad_32 (AY), Raphaella_32 (AY), Raya_25 (FQ2), Richie_32 (AY), Ryan_32 (FF), Saintcarr_32 (FF), Sakai_32 (AY), Satrap_32 (AY), Schism_32 (FF), Shukran_33 (AY), Skyerus_25 (FQ2), SonDevVon_31 (AY), SpicyFrank_32 (AY), Sporco_33 (AY), ThayneTheZag_32 (AY), ToastyOats_35 (FF), Toodles_33 (FF), Yonex_32 (FF), YoungHarleezy_32 (AY), Zaheer_32 (FF),

Start 12:
• Found in 1 of 90 (1.1%) of genes in pham
• Manual Annotations of this start: 1 of 76
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CocoCinnamon_30 (FO),

Start 14:
• Found in 1 of 90 (1.1%) of genes in pham
• Manual Annotations of this start: 1 of 76
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ERHickory_31 (singleton),

Start 16:
• Found in 3 of 90 (3.3%) of genes in pham
• Manual Annotations of this start: 2 of 76
• Called 66.7% of time when present
• Phage (with cluster) where this start called: EMoore_20 (DE2), Kewpiedoll_25 (DE1),

Start 17:
• Found in 1 of 90 (1.1%) of genes in pham
• Manual Annotations of this start: 1 of 76
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Suzy_4 (DG1),

Start 18:
• Found in 4 of 90 (4.4%) of genes in pham
• Manual Annotations of this start: 4 of 76
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Easley_30 (CZ4), Invectra_30 (CZ4), Sekhmet_30 (CZ4), WinkNick_30 (CZ4),

Start 19:
• Found in 1 of 90 (1.1%) of genes in pham

• Manual Annotations of this start: 1 of 76
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gudmit_29 (singleton),

Start 20:
• Found in 1 of 90 (1.1%) of genes in pham
• Manual Annotations of this start: 1 of 76
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ChadMasterC_26 (DE1),

Start 21:
• Found in 1 of 90 (1.1%) of genes in pham
• Manual Annotations of this start: 1 of 76
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fosterous_23 (DE1),

Start 22:
• Found in 5 of 90 (5.6%) of genes in pham
• Manual Annotations of this start: 5 of 76
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CheeseSpider_34 (CV), DumpsterDude_31 (DW), GEazy_30 (DB), KappaFarmDelta_33 (CV), Pipp_31 (CV),

Start 36:
• Found in 1 of 90 (1.1%) of genes in pham
• Manual Annotations of this start: 1 of 76
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Samman98_30 (CZ4),

Summary by clusters:

There are 16 clusters represented in this pham: singleton, FA, DE1, DE2, DB, CZ4, FQ2, DV, DG1, FD, FF, AY, DW, CV, FN, FO,

Info for manual annotations of cluster AY:
•Start number 8 was manually annotated 25 times for cluster AY.

Info for manual annotations of cluster CV:
•Start number 22 was manually annotated 3 times for cluster CV.

Info for manual annotations of cluster CZ4:
•Start number 18 was manually annotated 4 times for cluster CZ4.
•Start number 36 was manually annotated 1 time for cluster CZ4.

Info for manual annotations of cluster DB:
•Start number 22 was manually annotated 1 time for cluster DB.

Info for manual annotations of cluster DE1:
•Start number 16 was manually annotated 1 time for cluster DE1.
•Start number 20 was manually annotated 1 time for cluster DE1.
•Start number 21 was manually annotated 1 time for cluster DE1.

Info for manual annotations of cluster DE2:

•Start number 16 was manually annotated 1 time for cluster DE2.

Info for manual annotations of cluster DG1:
•Start number 17 was manually annotated 1 time for cluster DG1.

Info for manual annotations of cluster DV:
•Start number 3 was manually annotated 1 time for cluster DV.

Info for manual annotations of cluster DW:
•Start number 22 was manually annotated 1 time for cluster DW.

Info for manual annotations of cluster FA:
•Start number 8 was manually annotated 10 times for cluster FA.

Info for manual annotations of cluster FD:
•Start number 4 was manually annotated 1 time for cluster FD.

Info for manual annotations of cluster FF:
•Start number 8 was manually annotated 19 times for cluster FF.

Info for manual annotations of cluster FN:
•Start number 8 was manually annotated 2 times for cluster FN.

Info for manual annotations of cluster FO:
•Start number 12 was manually annotated 1 time for cluster FO.

Gene Information:

Gene: Anjali_21 Start: 16366, Stop: 17904, Start Num: 4
Candidate Starts for Anjali_21:
(Start: 4 @16366 has 1 MA's), (79, 16972), (84, 16996), (101, 17116), (105, 17134), (108, 17149), (113, 17194), (120, 17245), (121, 17260), (151, 17437), (166, 17515), (173, 17539), (176, 17548), (206, 17722),

Gene: BasketStar_32 Start: 21691, Stop: 22944, Start Num: 8
Candidate Starts for BasketStar_32:
(Start: 8 @21691 has 56 MA's), (24, 21859), (46, 22018), (52, 22069), (89, 22252), (109, 22363), (121, 22435), (124, 22450), (138, 22522), (147, 22558), (164, 22624), (168, 22648), (175, 22675), (190, 22741), (204, 22819), (212, 22867), (214, 22879), (221, 22921),

Gene: Bauer_28 Start: 21209, Stop: 22462, Start Num: 8
Candidate Starts for Bauer_28:
(Start: 8 @21209 has 56 MA's), (24, 21377), (46, 21536), (52, 21587), (89, 21770), (109, 21881), (121, 21953), (124, 21968), (138, 22040), (147, 22076), (164, 22142), (168, 22166), (175, 22193), (190, 22259), (204, 22337), (212, 22385), (214, 22397), (221, 22439),

Gene: BellaJr_29 Start: 22187, Stop: 23440, Start Num: 8
Candidate Starts for BellaJr_29:
(Start: 8 @22187 has 56 MA's), (24, 22355), (46, 22514), (52, 22565), (89, 22748), (109, 22859), (121, 22931), (124, 22946), (138, 23018), (147, 23054), (164, 23120), (168, 23144), (175, 23171), (190,

23237), (204, 23315), (212, 23363), (214, 23375), (221, 23417),

Gene: BenchScraper_32 Start: 21652, Stop: 22905, Start Num: 8
Candidate Starts for BenchScraper_32:
(Start: 8 @21652 has 56 MA's), (24, 21820), (46, 21979), (52, 22030), (89, 22213), (109, 22324), (121, 22396), (124, 22411), (138, 22483), (147, 22519), (164, 22585), (168, 22609), (175, 22636), (190, 22702), (204, 22780), (212, 22828), (214, 22840), (221, 22882),

Gene: BigSherm_33 Start: 23424, Stop: 24677, Start Num: 8
Candidate Starts for BigSherm_33:
(Start: 8 @23424 has 56 MA's), (24, 23592), (46, 23751), (52, 23802), (89, 23985), (109, 24096), (121, 24168), (124, 24183), (138, 24255), (147, 24291), (164, 24357), (168, 24381), (175, 24408), (190, 24474), (204, 24552), (212, 24600), (214, 24612), (221, 24654),

Gene: BlackSpider_27 Start: 21099, Stop: 22352, Start Num: 8
Candidate Starts for BlackSpider_27:
(Start: 8 @21099 has 56 MA's), (24, 21267), (46, 21426), (52, 21477), (89, 21660), (109, 21771), (121, 21843), (124, 21858), (138, 21930), (147, 21966), (164, 22032), (168, 22056), (175, 22083), (190, 22149), (204, 22227), (212, 22275), (214, 22287), (221, 22329),

Gene: BlueShadow_32 Start: 21637, Stop: 22890, Start Num: 8
Candidate Starts for BlueShadow_32:
(Start: 8 @21637 has 56 MA's), (24, 21805), (46, 21964), (52, 22015), (89, 22198), (109, 22309), (121, 22381), (124, 22396), (138, 22468), (147, 22504), (164, 22570), (168, 22594), (175, 22621), (190, 22687), (204, 22765), (212, 22813), (214, 22825), (221, 22867),

Gene: Bridgette_30 Start: 21703, Stop: 22956, Start Num: 8
Candidate Starts for Bridgette_30:
(Start: 8 @21703 has 56 MA's), (24, 21871), (46, 22030), (52, 22081), (89, 22264), (109, 22375), (121, 22447), (124, 22462), (138, 22534), (147, 22570), (164, 22636), (168, 22660), (175, 22687), (190, 22753), (204, 22831), (212, 22879), (214, 22891), (221, 22933),

Gene: ChadMasterC_26 Start: 20791, Stop: 22044, Start Num: 20
Candidate Starts for ChadMasterC_26:
(Start: 20 @20791 has 1 MA's), (34, 20908), (41, 20968), (43, 20977), (44, 20983), (58, 21079), (78, 21178), (87, 21241), (115, 21421), (127, 21490), (131, 21505), (134, 21535), (140, 21577), (150, 21622), (153, 21628), (174, 21727), (177, 21736), (190, 21814), (196, 21847), (203, 21886), (215, 21958), (219, 21988), (221, 22000), (222, 22009), (226, 22039),

Gene: CheeseSpider_34 Start: 26082, Stop: 27251, Start Num: 22
Candidate Starts for CheeseSpider_34:
(Start: 22 @26082 has 5 MA's), (27, 26121), (38, 26208), (59, 26325), (75, 26418), (107, 26610), (114, 26661), (115, 26667), (132, 26751), (135, 26778), (178, 26982), (181, 26997), (182, 27009), (186, 27024), (187, 27027), (200, 27090), (202, 27111), (210, 27165), (221, 27225),

Gene: ChuckDuck_31 Start: 21471, Stop: 22724, Start Num: 8
Candidate Starts for ChuckDuck_31:
(Start: 8 @21471 has 56 MA's), (24, 21639), (46, 21798), (52, 21849), (89, 22032), (109, 22143), (121, 22215), (124, 22230), (138, 22302), (147, 22338), (164, 22404), (168, 22428), (175, 22455), (190, 22521), (204, 22599), (212, 22647), (214, 22659), (221, 22701),

Gene: CocoCinnamon_30 Start: 21380, Stop: 22567, Start Num: 12
Candidate Starts for CocoCinnamon_30:

(Start: 12 @21380 has 1 MA's), (13, 21389), (32, 21524), (44, 21608), (56, 21683), (57, 21686), (64, 21719), (81, 21830), (85, 21854), (86, 21860), (90, 21875), (98, 21929), (110, 21995), (129, 22103), (131, 22109), (153, 22199), (162, 22235), (171, 22283), (209, 22466), (217, 22523), (222, 22550),

Gene: Cole_30 Start: 23171, Stop: 24424, Start Num: 8
Candidate Starts for Cole_30:
(Start: 8 @23171 has 56 MA's), (24, 23339), (46, 23498), (52, 23549), (89, 23732), (109, 23843), (121, 23915), (124, 23930), (138, 24002), (147, 24038), (164, 24104), (168, 24128), (175, 24155), (190, 24221), (204, 24299), (212, 24347), (214, 24359), (221, 24401),

Gene: Constance_30 Start: 21943, Stop: 23196, Start Num: 8
Candidate Starts for Constance_30:
(Start: 8 @21943 has 56 MA's), (24, 22111), (46, 22270), (52, 22321), (89, 22504), (109, 22615), (121, 22687), (124, 22702), (138, 22774), (147, 22810), (164, 22876), (168, 22900), (175, 22927), (190, 22993), (204, 23071), (212, 23119), (214, 23131), (221, 23173),

Gene: CookieBear_32 Start: 21637, Stop: 22890, Start Num: 8
Candidate Starts for CookieBear_32:
(Start: 8 @21637 has 56 MA's), (24, 21805), (46, 21964), (52, 22015), (89, 22198), (109, 22309), (121, 22381), (124, 22396), (138, 22468), (147, 22504), (164, 22570), (168, 22594), (175, 22621), (190, 22687), (204, 22765), (212, 22813), (214, 22825), (221, 22867),

Gene: CosmicBrownie_32 Start: 21456, Stop: 22709, Start Num: 8
Candidate Starts for CosmicBrownie_32:
(Start: 8 @21456 has 56 MA's), (24, 21624), (46, 21783), (52, 21834), (89, 22017), (109, 22128), (121, 22200), (124, 22215), (138, 22287), (147, 22323), (164, 22389), (168, 22413), (175, 22440), (190, 22506), (204, 22584), (212, 22632), (214, 22644), (221, 22686),

Gene: DarwinJr_36 Start: 23048, Stop: 24301, Start Num: 8
Candidate Starts for DarwinJr_36:
(Start: 8 @23048 has 56 MA's), (24, 23216), (46, 23375), (52, 23426), (89, 23609), (109, 23720), (121, 23792), (124, 23807), (138, 23879), (147, 23915), (164, 23981), (168, 24005), (175, 24032), (190, 24098), (204, 24176), (212, 24224), (214, 24236), (221, 24278),

Gene: Dirtdigger_32 Start: 23245, Stop: 24498, Start Num: 8
Candidate Starts for Dirtdigger_32:
(Start: 8 @23245 has 56 MA's), (24, 23413), (46, 23572), (52, 23623), (89, 23806), (109, 23917), (121, 23989), (124, 24004), (138, 24076), (147, 24112), (164, 24178), (168, 24202), (175, 24229), (190, 24295), (204, 24373), (212, 24421), (214, 24433), (221, 24475),

Gene: Donatella_31 Start: 23635, Stop: 24888, Start Num: 8
Candidate Starts for Donatella_31:
(Start: 8 @23635 has 56 MA's), (24, 23803), (46, 23962), (52, 24013), (89, 24196), (109, 24307), (121, 24379), (124, 24394), (138, 24466), (147, 24502), (164, 24568), (168, 24592), (175, 24619), (190, 24685), (204, 24763), (212, 24811), (214, 24823), (221, 24865),

Gene: DumpsterDude_31 Start: 27356, Stop: 28525, Start Num: 22
Candidate Starts for DumpsterDude_31:
(1, 26702), (Start: 22 @27356 has 5 MA's), (27, 27395), (38, 27482), (59, 27599), (75, 27692), (85, 27758), (107, 27884), (114, 27935), (115, 27941), (132, 28025), (133, 28043), (135, 28052), (144, 28100), (181, 28271), (186, 28298), (187, 28301), (191, 28319), (200, 28364), (202, 28385), (210, 28439), (220, 28496), (221, 28499),

Gene: EMoore_20 Start: 17259, Stop: 18491, Start Num: 16
Candidate Starts for EMoore_20:
(Start: 16 @17259 has 2 MA's), (38, 17448), (75, 17658), (94, 17781), (131, 17988), (132, 17991), (148, 18087), (181, 18237), (186, 18264), (187, 18267), (191, 18285), (200, 18330), (210, 18405), (221, 18465),

Gene: ERHickory_31 Start: 13609, Stop: 14778, Start Num: 14
Candidate Starts for ERHickory_31:
(9, 13561), (10, 13576), (11, 13582), (Start: 14 @13609 has 1 MA's), (24, 13678), (42, 13798), (47, 13828), (60, 13903), (65, 13915), (66, 13918), (67, 13921), (84, 14035), (92, 14086), (96, 14119), (104, 14155), (109, 14179), (118, 14236), (121, 14251), (130, 14293), (144, 14368), (147, 14386), (157, 14422), (163, 14449), (196, 14611),

Gene: Easley_30 Start: 24149, Stop: 25288, Start Num: 18
Candidate Starts for Easley_30:
(Start: 18 @24149 has 4 MA's), (29, 24239), (35, 24278), (39, 24308), (48, 24353), (55, 24392), (66, 24440), (68, 24446), (76, 24491), (92, 24584), (94, 24599), (124, 24755), (130, 24785), (144, 24863), (157, 24914), (171, 24989), (183, 25040), (202, 25139), (210, 25193), (221, 25253),

Gene: Erutan_4 Start: 3416, Stop: 5014, Start Num: 3
Candidate Starts for Erutan_4:
(Start: 3 @3416 has 1 MA's), (Start: 16 @3653 has 2 MA's), (25, 3734), (26, 3761), (30, 3785), (31, 3788), (37, 3854), (61, 3995), (71, 4049), (87, 4157), (99, 4235), (111, 4307), (119, 4367), (130, 4421), (136, 4457), (142, 4502), (160, 4574), (180, 4679), (208, 4853), (215, 4901), (216, 4910),

Gene: FosterFrank_31 Start: 21545, Stop: 22798, Start Num: 8
Candidate Starts for FosterFrank_31:
(Start: 8 @21545 has 56 MA's), (24, 21713), (46, 21872), (52, 21923), (89, 22106), (109, 22217), (121, 22289), (124, 22304), (138, 22376), (147, 22412), (164, 22478), (168, 22502), (175, 22529), (190, 22595), (204, 22673), (212, 22721), (214, 22733), (221, 22775),

Gene: Fosterous_23 Start: 19719, Stop: 20936, Start Num: 21
Candidate Starts for Fosterous_23:
(Start: 21 @19719 has 1 MA's), (23, 19743), (40, 19878), (51, 19947), (52, 19959), (73, 20055), (80, 20106), (84, 20127), (93, 20187), (97, 20214), (121, 20361), (124, 20376), (125, 20379), (143, 20487), (152, 20532), (156, 20544), (173, 20628), (176, 20637), (181, 20661), (184, 20679), (199, 20775), (204, 20808),

Gene: GEazy_30 Start: 24987, Stop: 26156, Start Num: 22
Candidate Starts for GEazy_30:
(Start: 22 @24987 has 5 MA's), (27, 25026), (38, 25113), (59, 25230), (75, 25323), (85, 25389), (107, 25515), (108, 25518), (114, 25566), (115, 25572), (132, 25656), (135, 25683), (144, 25731), (169, 25854), (178, 25887), (181, 25902), (182, 25914), (186, 25929), (187, 25932), (200, 25995), (202, 26016), (210, 26070), (221, 26130),

Gene: Globfish_32 Start: 21871, Stop: 23124, Start Num: 8
Candidate Starts for Globfish_32:
(Start: 8 @21871 has 56 MA's), (24, 22039), (46, 22198), (52, 22249), (89, 22432), (109, 22543), (121, 22615), (124, 22630), (138, 22702), (147, 22738), (164, 22804), (168, 22828), (175, 22855), (190, 22921), (204, 22999), (212, 23047), (214, 23059), (221, 23101),

Gene: GlobiWarming_31 Start: 21386, Stop: 22639, Start Num: 8
Candidate Starts for GlobiWarming_31:

(Start: 8 @21386 has 56 MA's), (24, 21554), (46, 21713), (52, 21764), (89, 21947), (109, 22058), (121, 22130), (124, 22145), (138, 22217), (147, 22253), (164, 22319), (168, 22343), (175, 22370), (190, 22436), (204, 22514), (212, 22562), (214, 22574), (221, 22616),

Gene: GoodLuckBabe_33 Start: 23753, Stop: 25006, Start Num: 8
Candidate Starts for GoodLuckBabe_33:
(Start: 8 @23753 has 56 MA's), (24, 23921), (46, 24080), (52, 24131), (89, 24314), (109, 24425), (121, 24497), (124, 24512), (138, 24584), (147, 24620), (164, 24686), (168, 24710), (175, 24737), (190, 24803), (204, 24881), (212, 24929), (214, 24941), (221, 24983),

Gene: Gudmit_29 Start: 22579, Stop: 23712, Start Num: 19
Candidate Starts for Gudmit_29:
(15, 22546), (Start: 19 @22579 has 1 MA's), (49, 22786), (53, 22819), (66, 22870), (75, 22915), (83, 22972), (88, 22990), (92, 23017), (117, 23152), (124, 23188), (157, 23347), (158, 23356), (161, 23365), (170, 23416), (172, 23425), (175, 23434), (179, 23452), (194, 23521), (202, 23569), (214, 23641), (221, 23683),

Gene: Guinevere_32 Start: 23343, Stop: 24596, Start Num: 8
Candidate Starts for Guinevere_32:
(Start: 8 @23343 has 56 MA's), (24, 23511), (46, 23670), (52, 23721), (89, 23904), (109, 24015), (121, 24087), (124, 24102), (138, 24174), (147, 24210), (164, 24276), (168, 24300), (175, 24327), (190, 24393), (204, 24471), (212, 24519), (214, 24531), (221, 24573),

Gene: GumGum_32 Start: 21800, Stop: 23053, Start Num: 8
Candidate Starts for GumGum_32:
(Start: 8 @21800 has 56 MA's), (24, 21968), (46, 22127), (52, 22178), (89, 22361), (109, 22472), (121, 22544), (124, 22559), (138, 22631), (147, 22667), (164, 22733), (168, 22757), (175, 22784), (190, 22850), (204, 22928), (212, 22976), (214, 22988), (221, 23030),

Gene: Gusanita_30 Start: 23106, Stop: 24359, Start Num: 8
Candidate Starts for Gusanita_30:
(Start: 8 @23106 has 56 MA's), (24, 23274), (46, 23433), (52, 23484), (89, 23667), (109, 23778), (121, 23850), (124, 23865), (138, 23937), (147, 23973), (164, 24039), (168, 24063), (175, 24090), (190, 24156), (204, 24234), (212, 24282), (214, 24294), (221, 24336),

Gene: Halloweekend_30 Start: 23050, Stop: 24303, Start Num: 8
Candidate Starts for Halloweekend_30:
(Start: 8 @23050 has 56 MA's), (24, 23218), (46, 23377), (52, 23428), (89, 23611), (109, 23722), (121, 23794), (124, 23809), (138, 23881), (147, 23917), (164, 23983), (168, 24007), (175, 24034), (190, 24100), (204, 24178), (212, 24226), (214, 24238), (221, 24280),

Gene: Henrique_32 Start: 21414, Stop: 22667, Start Num: 8
Candidate Starts for Henrique_32:
(Start: 8 @21414 has 56 MA's), (24, 21582), (46, 21741), (52, 21792), (89, 21975), (109, 22086), (121, 22158), (124, 22173), (138, 22245), (147, 22281), (164, 22347), (168, 22371), (175, 22398), (190, 22464), (204, 22542), (212, 22590), (214, 22602), (221, 22644),

Gene: Hestia_32 Start: 21676, Stop: 22929, Start Num: 8
Candidate Starts for Hestia_32:
(Start: 8 @21676 has 56 MA's), (24, 21844), (46, 22003), (52, 22054), (89, 22237), (109, 22348), (121, 22420), (124, 22435), (138, 22507), (147, 22543), (164, 22609), (168, 22633), (175, 22660), (190, 22726), (204, 22804), (212, 22852), (214, 22864), (221, 22906),

Gene: Hillester_32 Start: 21637, Stop: 22890, Start Num: 8
Candidate Starts for Hillester_32:
(Start: 8 @21637 has 56 MA's), (24, 21805), (46, 21964), (52, 22015), (89, 22198), (109, 22309), (121, 22381), (124, 22396), (138, 22468), (147, 22504), (164, 22570), (168, 22594), (175, 22621), (190, 22687), (204, 22765), (212, 22813), (214, 22825), (221, 22867),

Gene: Ichiang_30 Start: 23069, Stop: 24322, Start Num: 8
Candidate Starts for Ichiang_30:
(Start: 8 @23069 has 56 MA's), (24, 23237), (46, 23396), (52, 23447), (89, 23630), (109, 23741), (121, 23813), (124, 23828), (138, 23900), (147, 23936), (164, 24002), (168, 24026), (175, 24053), (190, 24119), (204, 24197), (212, 24245), (214, 24257), (221, 24299),

Gene: Invectra_30 Start: 24806, Stop: 25945, Start Num: 18
Candidate Starts for Invectra_30:
(Start: 18 @24806 has 4 MA's), (29, 24896), (35, 24935), (39, 24965), (48, 25010), (55, 25049), (66, 25097), (68, 25103), (76, 25148), (92, 25241), (94, 25256), (124, 25412), (130, 25442), (144, 25520), (157, 25571), (171, 25646), (183, 25697), (202, 25796), (210, 25850), (221, 25910),

Gene: Isolde_32 Start: 21406, Stop: 22659, Start Num: 8
Candidate Starts for Isolde_32:
(Start: 8 @21406 has 56 MA's), (24, 21574), (46, 21733), (52, 21784), (89, 21967), (109, 22078), (121, 22150), (124, 22165), (138, 22237), (147, 22273), (164, 22339), (168, 22363), (175, 22390), (190, 22456), (204, 22534), (212, 22582), (214, 22594), (221, 22636),

Gene: Judy_31 Start: 21954, Stop: 23207, Start Num: 8
Candidate Starts for Judy_31:
(Start: 8 @21954 has 56 MA's), (24, 22122), (46, 22281), (52, 22332), (89, 22515), (109, 22626), (121, 22698), (124, 22713), (138, 22785), (147, 22821), (164, 22887), (168, 22911), (175, 22938), (190, 23004), (204, 23082), (212, 23130), (214, 23142), (221, 23184),

Gene: Kabloowy_33 Start: 21817, Stop: 23070, Start Num: 8
Candidate Starts for Kabloowy_33:
(Start: 8 @21817 has 56 MA's), (24, 21985), (46, 22144), (52, 22195), (89, 22378), (109, 22489), (121, 22561), (124, 22576), (138, 22648), (147, 22684), (164, 22750), (168, 22774), (175, 22801), (190, 22867), (204, 22945), (212, 22993), (214, 23005), (221, 23047),

Gene: KappaFarmDelta_33 Start: 25961, Stop: 27130, Start Num: 22
Candidate Starts for KappaFarmDelta_33:
(Start: 22 @25961 has 5 MA's), (27, 26000), (38, 26087), (59, 26204), (75, 26297), (107, 26489), (114, 26540), (115, 26546), (135, 26657), (144, 26705), (181, 26876), (186, 26903), (187, 26906), (191, 26924), (200, 26969), (202, 26990), (210, 27044), (220, 27101), (221, 27104),

Gene: Karkharias_30 Start: 21331, Stop: 22584, Start Num: 8
Candidate Starts for Karkharias_30:
(Start: 8 @21331 has 56 MA's), (24, 21499), (46, 21658), (52, 21709), (89, 21892), (109, 22003), (121, 22075), (124, 22090), (138, 22162), (147, 22198), (164, 22264), (168, 22288), (175, 22315), (190, 22381), (204, 22459), (212, 22507), (214, 22519), (221, 22561),

Gene: KayMoney_31 Start: 21475, Stop: 22728, Start Num: 8
Candidate Starts for KayMoney_31:
(Start: 8 @21475 has 56 MA's), (24, 21643), (46, 21802), (52, 21853), (89, 22036), (109, 22147), (121, 22219), (124, 22234), (138, 22306), (147, 22342), (164, 22408), (168, 22432), (175, 22459), (190, 22525), (204, 22603), (212, 22651), (214, 22663), (221, 22705),

Gene: Kewpiedoll_25 Start: 19354, Stop: 20586, Start Num: 16
Candidate Starts for Kewpiedoll_25:
(Start: 16 @19354 has 2 MA's), (38, 19543), (59, 19660), (75, 19753), (102, 19924), (107, 19945), (114, 19996), (115, 20002), (122, 20041), (132, 20086), (135, 20113), (167, 20278), (181, 20332), (184, 20350), (186, 20359), (187, 20362), (198, 20416), (202, 20446), (210, 20500), (221, 20560), (224, 20581),

Gene: Kihatsu_33 Start: 23689, Stop: 24942, Start Num: 8
Candidate Starts for Kihatsu_33:
(Start: 8 @23689 has 56 MA's), (24, 23857), (46, 24016), (52, 24067), (89, 24250), (109, 24361), (121, 24433), (124, 24448), (138, 24520), (147, 24556), (164, 24622), (168, 24646), (175, 24673), (190, 24739), (204, 24817), (212, 24865), (214, 24877), (221, 24919),

Gene: Lasker_33 Start: 21645, Stop: 22898, Start Num: 8
Candidate Starts for Lasker_33:
(Start: 8 @21645 has 56 MA's), (24, 21813), (46, 21972), (52, 22023), (89, 22206), (109, 22317), (121, 22389), (124, 22404), (138, 22476), (147, 22512), (164, 22578), (168, 22602), (175, 22629), (190, 22695), (204, 22773), (212, 22821), (214, 22833), (221, 22875),

Gene: Lawnathon_32 Start: 21500, Stop: 22753, Start Num: 8
Candidate Starts for Lawnathon_32:
(Start: 8 @21500 has 56 MA's), (24, 21668), (46, 21827), (52, 21878), (89, 22061), (109, 22172), (121, 22244), (124, 22259), (138, 22331), (147, 22367), (164, 22433), (168, 22457), (175, 22484), (190, 22550), (204, 22628), (212, 22676), (214, 22688), (221, 22730),

Gene: Lenoxika_32 Start: 23339, Stop: 24592, Start Num: 8
Candidate Starts for Lenoxika_32:
(Start: 8 @23339 has 56 MA's), (24, 23507), (46, 23666), (52, 23717), (89, 23900), (109, 24011), (121, 24083), (124, 24098), (138, 24170), (147, 24206), (164, 24272), (168, 24296), (175, 24323), (190, 24389), (204, 24467), (212, 24515), (214, 24527), (221, 24569),

Gene: LilyBell_30 Start: 21343, Stop: 22596, Start Num: 8
Candidate Starts for LilyBell_30:
(Start: 8 @21343 has 56 MA's), (24, 21511), (46, 21670), (52, 21721), (89, 21904), (109, 22015), (121, 22087), (124, 22102), (138, 22174), (147, 22210), (164, 22276), (168, 22300), (175, 22327), (190, 22393), (204, 22471), (212, 22519), (214, 22531), (221, 22573),

Gene: MUWow_31 Start: 21664, Stop: 22917, Start Num: 8
Candidate Starts for MUWow_31:
(Start: 8 @21664 has 56 MA's), (24, 21832), (46, 21991), (52, 22042), (89, 22225), (109, 22336), (121, 22408), (124, 22423), (138, 22495), (147, 22531), (164, 22597), (168, 22621), (175, 22648), (190, 22714), (204, 22792), (212, 22840), (214, 22852), (221, 22894),

Gene: Mapleville_32 Start: 21570, Stop: 22823, Start Num: 8
Candidate Starts for Mapleville_32:
(Start: 8 @21570 has 56 MA's), (24, 21738), (46, 21897), (52, 21948), (89, 22131), (109, 22242), (121, 22314), (124, 22329), (138, 22401), (147, 22437), (164, 22503), (168, 22527), (175, 22554), (190, 22620), (204, 22698), (212, 22746), (214, 22758), (221, 22800),

Gene: MaterMagnus_32 Start: 21647, Stop: 22900, Start Num: 8
Candidate Starts for MaterMagnus_32:

(Start: 8 @21647 has 56 MA's), (24, 21815), (46, 21974), (52, 22025), (89, 22208), (109, 22319), (121, 22391), (124, 22406), (138, 22478), (147, 22514), (164, 22580), (168, 22604), (175, 22631), (190, 22697), (204, 22775), (212, 22823), (214, 22835), (221, 22877),

Gene: Mbo2_33 Start: 32558, Stop: 33970, Start Num: 6
Candidate Starts for Mbo2_33:
(6, 32558), (7, 32582), (28, 32801), (33, 32825), (39, 32882), (54, 32969), (56, 32978), (63, 33017), (69, 33035), (70, 33041), (72, 33071), (95, 33224), (100, 33245), (104, 33266), (105, 33272), (116, 33356), (123, 33395), (129, 33428), (139, 33497), (146, 33539), (149, 33548), (153, 33566), (154, 33569), (162, 33602), (165, 33617), (171, 33659), (182, 33707), (188, 33755), (197, 33800), (199, 33809), (209, 33869), (223, 33959),

Gene: MidnightRain_32 Start: 21636, Stop: 22889, Start Num: 8
Candidate Starts for MidnightRain_32:
(Start: 8 @21636 has 56 MA's), (24, 21804), (46, 21963), (52, 22014), (89, 22197), (109, 22308), (121, 22380), (124, 22395), (138, 22467), (147, 22503), (164, 22569), (168, 22593), (175, 22620), (190, 22686), (204, 22764), (212, 22812), (214, 22824), (221, 22866),

Gene: MillySue_33 Start: 23252, Stop: 24505, Start Num: 8
Candidate Starts for MillySue_33:
(Start: 8 @23252 has 56 MA's), (24, 23420), (46, 23579), (52, 23630), (89, 23813), (109, 23924), (121, 23996), (124, 24011), (138, 24083), (147, 24119), (164, 24185), (168, 24209), (175, 24236), (190, 24302), (204, 24380), (212, 24428), (214, 24440), (221, 24482),

Gene: Nandita_32 Start: 23343, Stop: 24596, Start Num: 8
Candidate Starts for Nandita_32:
(Start: 8 @23343 has 56 MA's), (24, 23511), (46, 23670), (52, 23721), (89, 23904), (109, 24015), (121, 24087), (124, 24102), (138, 24174), (147, 24210), (164, 24276), (168, 24300), (175, 24327), (190, 24393), (204, 24471), (212, 24519), (214, 24531), (221, 24573),

Gene: Neroxid_25 Start: 18185, Stop: 19438, Start Num: 8
Candidate Starts for Neroxid_25:
(Start: 8 @18185 has 56 MA's), (24, 18353), (46, 18512), (50, 18536), (52, 18563), (81, 18707), (89, 18746), (98, 18803), (104, 18833), (109, 18857), (121, 18929), (124, 18944), (138, 19016), (147, 19052), (164, 19118), (168, 19142), (175, 19169), (190, 19235), (204, 19313), (212, 19361), (214, 19373),

Gene: NikkiHotWheels_32 Start: 21407, Stop: 22660, Start Num: 8
Candidate Starts for NikkiHotWheels_32:
(Start: 8 @21407 has 56 MA's), (24, 21575), (46, 21734), (52, 21785), (89, 21968), (109, 22079), (121, 22151), (124, 22166), (138, 22238), (147, 22274), (164, 22340), (168, 22364), (175, 22391), (190, 22457), (204, 22535), (212, 22583), (214, 22595), (221, 22637),

Gene: PeggyLeg03_30 Start: 21943, Stop: 23196, Start Num: 8
Candidate Starts for PeggyLeg03_30:
(Start: 8 @21943 has 56 MA's), (24, 22111), (46, 22270), (52, 22321), (89, 22504), (109, 22615), (121, 22687), (124, 22702), (138, 22774), (147, 22810), (164, 22876), (168, 22900), (175, 22927), (190, 22993), (204, 23071), (212, 23119), (214, 23131), (221, 23173),

Gene: Pipp_31 Start: 26106, Stop: 27275, Start Num: 22
Candidate Starts for Pipp_31:
(Start: 22 @26106 has 5 MA's), (27, 26145), (38, 26232), (59, 26349), (75, 26442), (91, 26544), (104, 26619), (107, 26634), (114, 26685), (132, 26775), (135, 26802), (137, 26808), (144, 26850), (178,

27006), (181, 27021), (182, 27033), (186, 27048), (187, 27051), (200, 27114), (201, 27129), (202, 27135), (210, 27189), (221, 27249),

Gene: Popper_30 Start: 23256, Stop: 24509, Start Num: 8
Candidate Starts for Popper_30:
(Start: 8 @23256 has 56 MA's), (24, 23424), (46, 23583), (52, 23634), (89, 23817), (109, 23928), (121, 24000), (124, 24015), (138, 24087), (147, 24123), (164, 24189), (168, 24213), (175, 24240), (190, 24306), (204, 24384), (212, 24432), (214, 24444), (221, 24486),

Gene: QuinnAvery_32 Start: 23433, Stop: 24686, Start Num: 8
Candidate Starts for QuinnAvery_32:
(Start: 8 @23433 has 56 MA's), (24, 23601), (46, 23760), (52, 23811), (89, 23994), (109, 24105), (121, 24177), (124, 24192), (138, 24264), (147, 24300), (164, 24366), (168, 24390), (175, 24417), (190, 24483), (204, 24561), (212, 24609), (214, 24621), (221, 24663),

Gene: RadFad_32 Start: 21637, Stop: 22890, Start Num: 8
Candidate Starts for RadFad_32:
(Start: 8 @21637 has 56 MA's), (24, 21805), (46, 21964), (52, 22015), (89, 22198), (109, 22309), (121, 22381), (124, 22396), (138, 22468), (147, 22504), (164, 22570), (168, 22594), (175, 22621), (190, 22687), (204, 22765), (212, 22813), (214, 22825), (221, 22867),

Gene: Raphaella_32 Start: 21571, Stop: 22824, Start Num: 8
Candidate Starts for Raphaella_32:
(Start: 8 @21571 has 56 MA's), (24, 21739), (46, 21898), (52, 21949), (89, 22132), (109, 22243), (121, 22315), (124, 22330), (138, 22402), (147, 22438), (164, 22504), (168, 22528), (175, 22555), (190, 22621), (204, 22699), (212, 22747), (214, 22759), (221, 22801),

Gene: Raya_25 Start: 18185, Stop: 19438, Start Num: 8
Candidate Starts for Raya_25:
(Start: 8 @18185 has 56 MA's), (24, 18353), (46, 18512), (50, 18536), (52, 18563), (81, 18707), (89, 18746), (98, 18803), (104, 18833), (109, 18857), (121, 18929), (124, 18944), (138, 19016), (147, 19052), (164, 19118), (168, 19142), (175, 19169), (190, 19235), (204, 19313), (212, 19361), (214, 19373),

Gene: Richie_32 Start: 21652, Stop: 22905, Start Num: 8
Candidate Starts for Richie_32:
(Start: 8 @21652 has 56 MA's), (24, 21820), (46, 21979), (52, 22030), (89, 22213), (109, 22324), (121, 22396), (124, 22411), (138, 22483), (147, 22519), (164, 22585), (168, 22609), (175, 22636), (190, 22702), (204, 22780), (212, 22828), (214, 22840), (221, 22882),

Gene: Ryan_32 Start: 23954, Stop: 25207, Start Num: 8
Candidate Starts for Ryan_32:
(Start: 8 @23954 has 56 MA's), (24, 24122), (46, 24281), (52, 24332), (89, 24515), (109, 24626), (121, 24698), (124, 24713), (138, 24785), (147, 24821), (164, 24887), (168, 24911), (175, 24938), (190, 25004), (204, 25082), (212, 25130), (214, 25142), (221, 25184),

Gene: Saintcarr_32 Start: 23516, Stop: 24769, Start Num: 8
Candidate Starts for Saintcarr_32:
(Start: 8 @23516 has 56 MA's), (24, 23684), (46, 23843), (52, 23894), (89, 24077), (109, 24188), (121, 24260), (124, 24275), (138, 24347), (147, 24383), (164, 24449), (168, 24473), (175, 24500), (190, 24566), (204, 24644), (212, 24692), (214, 24704), (221, 24746),

Gene: Sakai_32 Start: 21580, Stop: 22833, Start Num: 8

Candidate Starts for Sakai_32:
(Start: 8 @21580 has 56 MA's), (24, 21748), (46, 21907), (52, 21958), (89, 22141), (109, 22252), (121, 22324), (124, 22339), (138, 22411), (147, 22447), (164, 22513), (168, 22537), (175, 22564), (190, 22630), (204, 22708), (212, 22756), (214, 22768), (221, 22810),

Gene: Samman98_30 Start: 24176, Stop: 25330, Start Num: 36
Candidate Starts for Samman98_30:
(Start: 36 @24176 has 1 MA's), (45, 24239), (62, 24347), (68, 24365), (77, 24434), (106, 24626), (109, 24641), (120, 24719), (128, 24761), (150, 24893), (189, 25067), (193, 25088), (195, 25103), (205, 25154), (213, 25208), (221, 25265), (225, 25292), (227, 25310),

Gene: Satrap_32 Start: 21746, Stop: 22999, Start Num: 8
Candidate Starts for Satrap_32:
(Start: 8 @21746 has 56 MA's), (24, 21914), (46, 22073), (52, 22124), (89, 22307), (109, 22418), (121, 22490), (124, 22505), (138, 22577), (147, 22613), (164, 22679), (168, 22703), (175, 22730), (190, 22796), (204, 22874), (212, 22922), (214, 22934), (221, 22976),

Gene: Schism_32 Start: 23343, Stop: 24596, Start Num: 8
Candidate Starts for Schism_32:
(Start: 8 @23343 has 56 MA's), (24, 23511), (46, 23670), (52, 23721), (89, 23904), (109, 24015), (121, 24087), (124, 24102), (138, 24174), (147, 24210), (164, 24276), (168, 24300), (175, 24327), (190, 24393), (204, 24471), (212, 24519), (214, 24531), (221, 24573),

Gene: Sekhmet_30 Start: 24517, Stop: 25656, Start Num: 18
Candidate Starts for Sekhmet_30:
(2, 24145), (5, 24379), (Start: 18 @24517 has 4 MA's), (29, 24607), (35, 24646), (39, 24676), (48, 24721), (55, 24760), (66, 24808), (68, 24814), (76, 24859), (92, 24952), (94, 24967), (124, 25123), (130, 25153), (144, 25231), (157, 25282), (171, 25357), (183, 25408), (202, 25507), (210, 25561), (221, 25621),

Gene: Shukran_33 Start: 21746, Stop: 22999, Start Num: 8
Candidate Starts for Shukran_33:
(Start: 8 @21746 has 56 MA's), (24, 21914), (46, 22073), (52, 22124), (89, 22307), (109, 22418), (121, 22490), (124, 22505), (138, 22577), (147, 22613), (164, 22679), (168, 22703), (175, 22730), (190, 22796), (204, 22874), (212, 22922), (214, 22934), (221, 22976),

Gene: Skyerus_25 Start: 18185, Stop: 19438, Start Num: 8
Candidate Starts for Skyerus_25:
(Start: 8 @18185 has 56 MA's), (24, 18353), (46, 18512), (50, 18536), (52, 18563), (81, 18707), (89, 18746), (98, 18803), (104, 18833), (109, 18857), (121, 18929), (124, 18944), (138, 19016), (147, 19052), (164, 19118), (168, 19142), (175, 19169), (190, 19235), (204, 19313), (212, 19361), (214, 19373),

Gene: SonDevVon_31 Start: 21573, Stop: 22826, Start Num: 8
Candidate Starts for SonDevVon_31:
(Start: 8 @21573 has 56 MA's), (24, 21741), (46, 21900), (52, 21951), (89, 22134), (109, 22245), (121, 22317), (124, 22332), (138, 22404), (147, 22440), (164, 22506), (168, 22530), (175, 22557), (190, 22623), (204, 22701), (212, 22749), (214, 22761), (221, 22803),

Gene: SpicyFrank_32 Start: 21872, Stop: 23125, Start Num: 8
Candidate Starts for SpicyFrank_32:
(Start: 8 @21872 has 56 MA's), (24, 22040), (46, 22199), (52, 22250), (89, 22433), (109, 22544), (121, 22616), (124, 22631), (138, 22703), (147, 22739), (164, 22805), (168, 22829), (175, 22856), (190,

22922), (204, 23000), (212, 23048), (214, 23060), (221, 23102),

Gene: Sporco_33 Start: 21628, Stop: 22881, Start Num: 8
Candidate Starts for Sporco_33:
(Start: 8 @21628 has 56 MA's), (24, 21796), (46, 21955), (52, 22006), (89, 22189), (109, 22300), (121, 22372), (124, 22387), (138, 22459), (147, 22495), (164, 22561), (168, 22585), (175, 22612), (190, 22678), (204, 22756), (212, 22804), (214, 22816), (221, 22858),

Gene: Suzy_4 Start: 3455, Stop: 4717, Start Num: 17
Candidate Starts for Suzy_4:
(Start: 17 @3455 has 1 MA's), (66, 3806), (74, 3860), (82, 3914), (103, 4043), (112, 4103), (126, 4175), (131, 4202), (136, 4235), (141, 4274), (145, 4289), (155, 4334), (159, 4349), (179, 4451), (184, 4475), (185, 4481), (190, 4505), (192, 4517), (197, 4541), (202, 4574), (207, 4592), (209, 4610), (211, 4631), (218, 4676),

Gene: ThayneTheZag_32 Start: 21791, Stop: 23044, Start Num: 8
Candidate Starts for ThayneTheZag_32:
(Start: 8 @21791 has 56 MA's), (24, 21959), (46, 22118), (52, 22169), (89, 22352), (109, 22463), (121, 22535), (124, 22550), (138, 22622), (147, 22658), (164, 22724), (168, 22748), (175, 22775), (190, 22841), (204, 22919), (212, 22967), (214, 22979), (221, 23021),

Gene: ToastyOats_35 Start: 23974, Stop: 25227, Start Num: 8
Candidate Starts for ToastyOats_35:
(Start: 8 @23974 has 56 MA's), (24, 24142), (46, 24301), (52, 24352), (89, 24535), (109, 24646), (121, 24718), (124, 24733), (138, 24805), (147, 24841), (164, 24907), (168, 24931), (175, 24958), (190, 25024), (204, 25102), (212, 25150), (214, 25162), (221, 25204),

Gene: Toodles_33 Start: 23804, Stop: 25057, Start Num: 8
Candidate Starts for Toodles_33:
(Start: 8 @23804 has 56 MA's), (24, 23972), (46, 24131), (52, 24182), (89, 24365), (109, 24476), (121, 24548), (124, 24563), (138, 24635), (147, 24671), (164, 24737), (168, 24761), (175, 24788), (190, 24854), (204, 24932), (212, 24980), (214, 24992), (221, 25034),

Gene: WinkNick_30 Start: 24139, Stop: 25278, Start Num: 18
Candidate Starts for WinkNick_30:
(Start: 18 @24139 has 4 MA's), (29, 24229), (35, 24268), (39, 24298), (48, 24343), (55, 24382), (66, 24430), (68, 24436), (76, 24481), (92, 24574), (94, 24589), (124, 24745), (130, 24775), (144, 24853), (157, 24904), (171, 24979), (183, 25030), (202, 25129), (210, 25183), (221, 25243),

Gene: Yonex_32 Start: 23954, Stop: 25207, Start Num: 8
Candidate Starts for Yonex_32:
(Start: 8 @23954 has 56 MA's), (24, 24122), (46, 24281), (52, 24332), (89, 24515), (109, 24626), (121, 24698), (124, 24713), (138, 24785), (147, 24821), (164, 24887), (168, 24911), (175, 24938), (190, 25004), (204, 25082), (212, 25130), (214, 25142), (221, 25184),

Gene: YoungHarleezy_32 Start: 21650, Stop: 22903, Start Num: 8
Candidate Starts for YoungHarleezy_32:
(Start: 8 @21650 has 56 MA's), (24, 21818), (46, 21977), (52, 22028), (89, 22211), (109, 22322), (121, 22394), (124, 22409), (138, 22481), (147, 22517), (164, 22583), (168, 22607), (175, 22634), (190, 22700), (204, 22778), (212, 22826), (214, 22838), (221, 22880),

Gene: Zaheer_32 Start: 24043, Stop: 25296, Start Num: 8
Candidate Starts for Zaheer_32:

(Start: 8 @24043 has 56 MA's), (24, 24211), (46, 24370), (52, 24421), (89, 24604), (109, 24715), (121, 24787), (124, 24802), (138, 24874), (147, 24910), (164, 24976), (168, 25000), (175, 25027), (190, 25093), (204, 25171), (212, 25219), (214, 25231), (221, 25273),