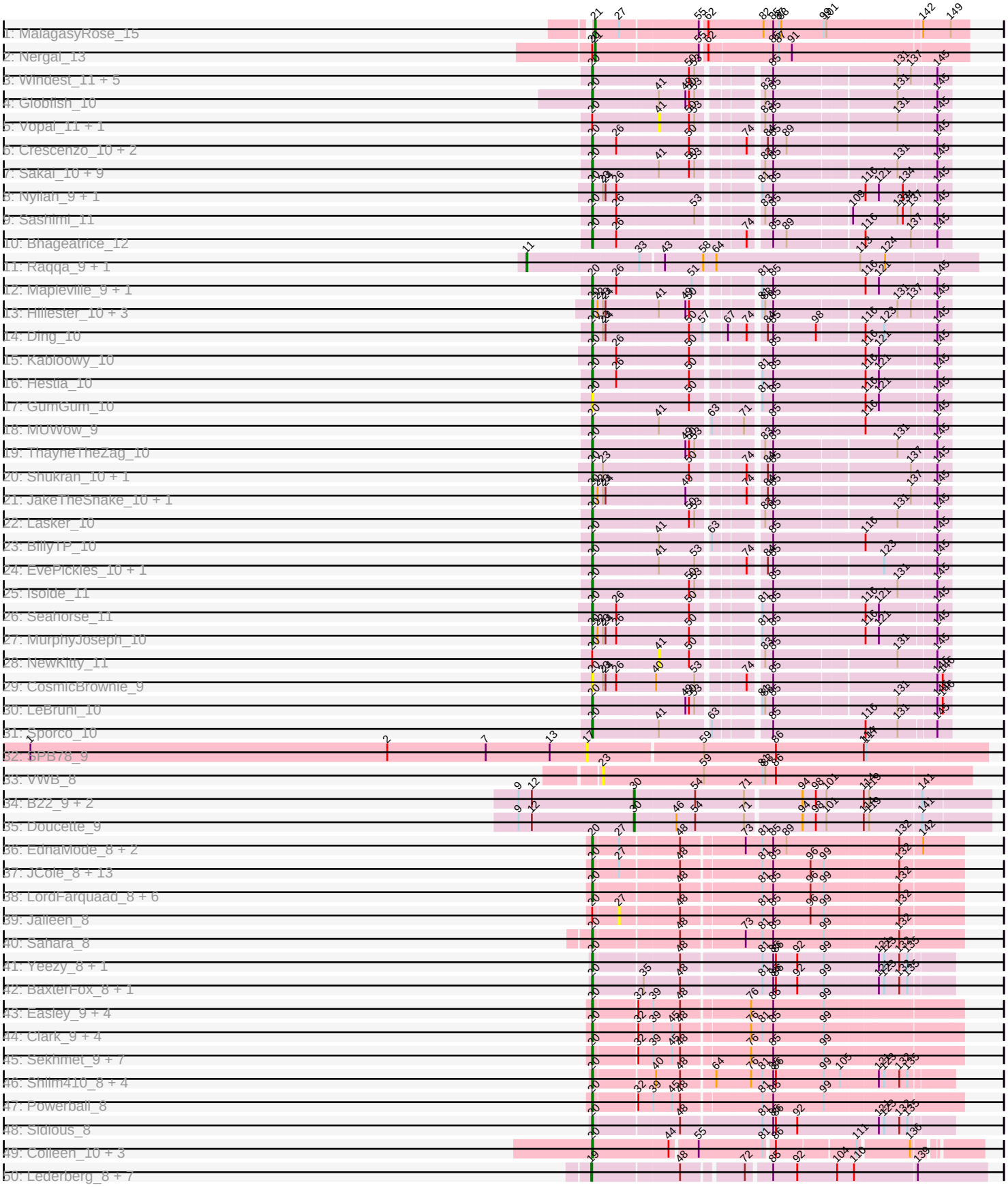
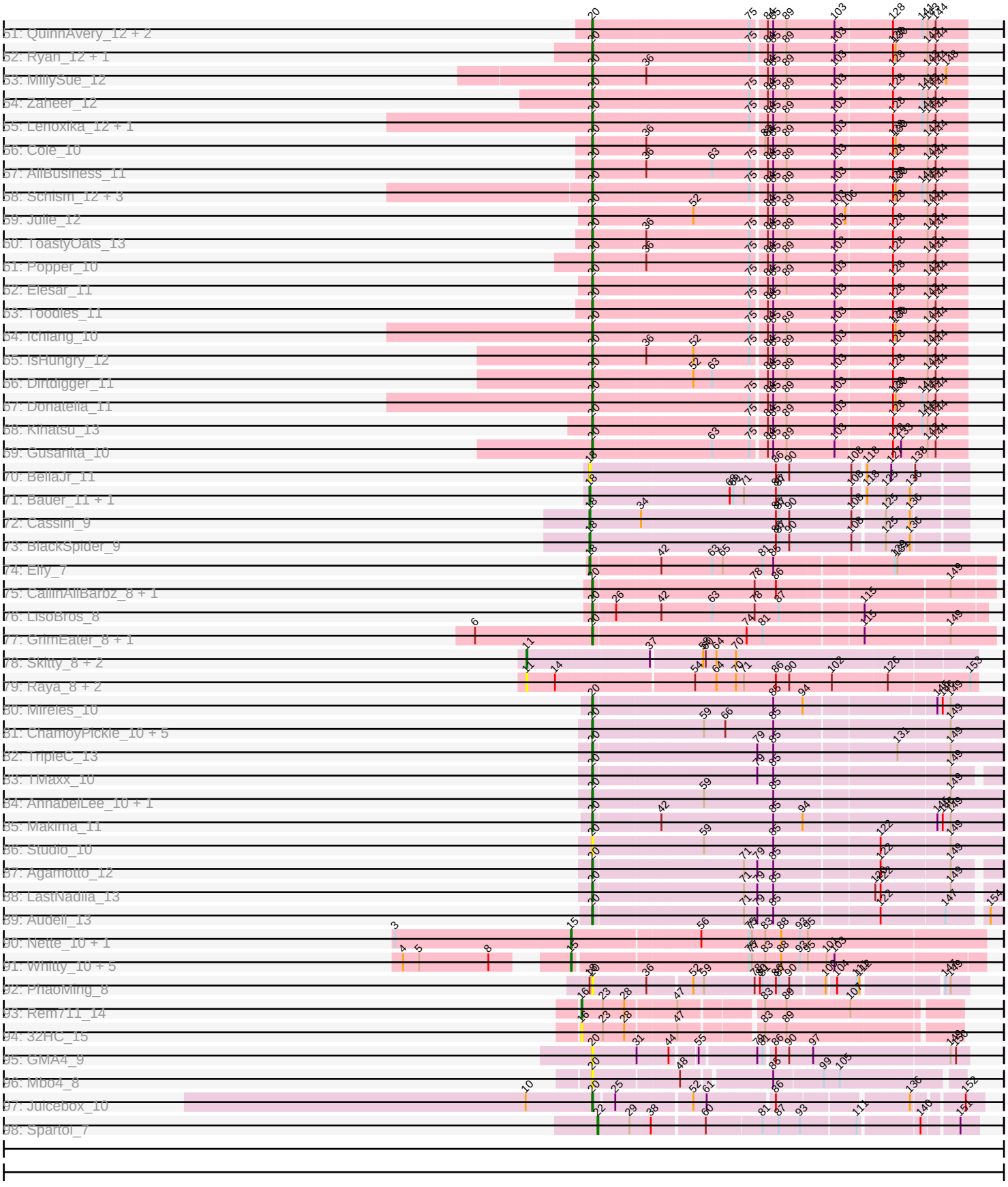
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1: MalagasyRose_15
2: Nergal_13
3: Windest_11 + 5
4: Globfish_10
5: Vopal_11 + 1
6: Crescenzo_10 + 2
7: Sakai_10 + 9
8: Nyllah_9 + 1
9: Sashimi_11
10: Bhageatrice_12
11: Raqqa_9 + 1
12: Mapleville_9 + 1
13: Hillester_10 + 3
14: Ding_10
15: Kabloowy_10
16: Hestia_10
17: GumGum_10
18: MOWow_9
19: ThayneTheZag_10
20: Shukran_10 + 1
21: JakeTheSnake_10 + 1
22: Lasker_10
23: BillyTP_10
24: EvePickles_10 + 1
25: Isolde_11
26: Seahorse_11
27: MurphyJoseph_10
28: NewKitty_11
29: CosmicBrownie_9
30: LeBruni_10
31: Sporco_10
32: BPB78_9
33: VWB_8
34: B22_9 + 2
35: Doucette_9
36: EdnaMode_8 + 2
37: JCole_8 + 13
38: LordFarquaad_8 + 6
39: Jalleen_8
40: Sahara_8
41: Yeezy_8 + 1
42: BaxterFox_8 + 1
43: Easley_9 + 4
44: Clark_9 + 4
45: Sekhmet_9 + 7
46: Shlim410_8 + 4
47: Powerball_8
48: Sidious_8
49: Colleen_10 + 3
50: Lederberg_8 + 7

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51: QuinnAvery_12 + 2
52: Ryan_12 + 1
53: MillySue_12
54: Zaheer_12
55: Lenoxika_12 + 1
56: Cole_10
57: AllBusiness_11
58: Schism_12 + 3
59: Julie_12
60: ToastyOats_13
61: Popper_10
62: Elesar_11
63: Toodles_11
64: Ichiang_10
65: IsHungry_12
66: Dirtdigger_11
67: Donatella_11
68: Kinatsu_13
69: Gusanita_10
70: BellaJr_11
71: Bauer_11 + 1
72: Cassini_9
73: BlackSpider_9
74: Elly_7
75: CallinAllBarbz_8 + 1
76: LisoBros_8
77: GrimEater_8 + 1
78: Skitty_8 + 2
79: Raya_8 + 2
80: Mireles_10
81: ChamoyPickle_10 + 5
82: TripleC_13
83: TMaxx_10
84: AnnabelLee_10 + 1
85: Makima_11
86: Studio_10
87: Agamotto_12
88: LastNadila_13
89: Audell_13
90: Nette_10 + 1
91: Whitty_10 + 5
92: PhaoMing_8
93: Rem711_14
94: 32HC_15
95: GMA4_9
96: Mbo4_8
97: Juicebox_10
98: Spartol_7

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 347268 Report

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

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 347268 has 204 members, 33 are drafts.

Phages represented in each track:
- Track 1 : MalagasyRose_15
- Track 2 : Nergal_13
- Track 3 : Windest_11, AdaS_10, Auxilium_10, CookieBear_10, JellyBread_10, Raphaella_10
- Track 4 : Globfish_10
- Track 5 : Vopal_11, BasketStar_10
- Track 6 : Crescenzo_10, DarwinJr_13, Anekin_9
- Track 7 : Sakai_10, SpicyFrank_10, Aikyam_10, YoungHarleezy_10, MaterMagnus_10, Phrank15_9, Gorpy_10, SonDevVon_9, BenchScraper_10, Richie_10
- Track 8 : Nyilah_9, Tiff81_11
- Track 9 : Sashimi_11
- Track 10 : Bhageatrice_12
- Track 11 : Raqqa_9, AbbyDaisy_9
- Track 12 : Mapleville_9, Lawnathon_10
- Track 13 : Hillester_10, MidnightRain_10, BlueShadow_10, RadFad_10
- Track 14 : Ding_10
- Track 15 : Kabloowy_10
- Track 16 : Hestia_10
- Track 17 : GumGum_10
- Track 18 : MUWow_9
- Track 19 : ThayneTheZag_10
- Track 20 : Shukran_10, Satrap_10
- Track 21 : JakeTheSnake_10, Persistence_9
- Track 22 : Lasker_10
- Track 23 : BillyTP_10
- Track 24 : EvePickles_10, Faja_10
- Track 25 : Isolde_11
- Track 26 : Seahorse_11
- Track 27 : MurphyJoseph_10
- Track 28 : NewKitty_11
- Track 29 : CosmicBrownie_9
- Track 30 : LeBruni_10

• Track 31 : Sporco_10
• Track 32 : SPB78_9
• Track 33 : VWB_8
• Track 34 : B22_9, G4_9, E6_10
• Track 35 : Doucette_9
• Track 36 : EdnaMode_8, Lamberg_8, Nettuno_8
• Track 37 : JCole_8, Clap_8, Cynthia_8, GemG_8, Denise_8, Whiteclaw_8, Sproutie_8, Gizermo_8, TuertoX_8, Ebert_8, FroggyToad_8, Savage_8, Haley23_8, Mocha12_8
• Track 38 : LordFarquaad_8, Yeet412_8, Attis_8, SoilAssassin_8, Bjanes7_8, Pickett_8, Matteo_8
• Track 39 : Jalleen_8
• Track 40 : Sahara_8
• Track 41 : Yeezy_8, PantheRoc_8
• Track 42 : BaxterFox_8, Ohgeesy_8
• Track 43 : Easley_9, Tuti_9, MichaelScott_9, Rizz_10, Beenie_9
• Track 44 : Clark_9, DobbysSock_8, Annalisa_9, Dorito_8, PhriskyACE_8
• Track 45 : Sekhmet_9, Oregano_9, Suerte_8, Dolores_9, Samman98_9, WinkNick_9, Thimann_9, Invectra_9
• Track 46 : Shlim410_8, Hortense_8, Howe_8, Twinkle_8, Adora_8
• Track 47 : Powerball_8
• Track 48 : Sidious_8
• Track 49 : Colleen_10, TouchMeNot_10, Poushou_10, Arianna_10
• Track 50 : Lederberg_8, Bran_8, SamW_8, StAB_8, Stiles_8, Dina_8, Troy_8, Adelaide_8
• Track 51 : QuinnAvery_12, Saintcarr_11, BigSherm_12
• Track 52 : Ryan_12, Yonex_12
• Track 53 : MillySue_12
• Track 54 : Zaheer_12
• Track 55 : Lenoxika_12, Halloweekend_10
• Track 56 : Cole_10
• Track 57 : AllBusiness_11
• Track 58 : Schism_12, GoodLuckBabe_12, Nandita_12, Guinevere_12
• Track 59 : Julie_12
• Track 60 : ToastyOats_13
• Track 61 : Popper_10
• Track 62 : Elesar_11
• Track 63 : Toodles_11
• Track 64 : Ichiang_10
• Track 65 : IsHungry_12
• Track 66 : Dirtdigger_11
• Track 67 : Donatella_11
• Track 68 : Kihatsu_13
• Track 69 : Gusanita_10
• Track 70 : BellaJr_11
• Track 71 : Bauer_11, Zucker_10
• Track 72 : Cassini_9
• Track 73 : BlackSpider_9
• Track 74 : Elfy_7
• Track 75 : CallinAllBarbz_8, BaileyBlu_8
• Track 76 : LisoBros_8
• Track 77 : GrimEater_8, Jankie_8
• Track 78 : Skitty_8, Merpity_9, MrSmee_8

• Track 79 : Raya_8, Neroxid_8, Skyerus_8
• Track 80 : Mireles_10
• Track 81 : ChamoyPickle_10, ChipsNGuac_10, Gerri43_10, Neuvillette_10, CardboardBox_10, Roberts_10
• Track 82 : TripleC_13
• Track 83 : TMaxx_10
• Track 84 : AnnabelLee_10, Ezurina_9
• Track 85 : Makima_11
• Track 86 : Studio_10
• Track 87 : Agamotto_12
• Track 88 : LastNadiia_13
• Track 89 : Audell_13
• Track 90 : Nette_10, Mendokysei_9
• Track 91 : Whitty_10, RonRayGun_10, Bernal13_10, ZenTime222_10, Nairb_10, Ibrahim_10
• Track 92 : PhaoMing_8
• Track 93 : Rem711_14
• Track 94 : 32HC_15
• Track 95 : GMA4_9
• Track 96 : Mbo4_8
• Track 97 : Juicebox_10
• Track 98 : Spartoi_7

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

The start number called the most often in the published annotations is 20, it was called in 140 of the 171 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AdaS_10, Adora_8, Agamotto_12, Aikyam_10, AllBusiness_11, Anekin_9, AnnabelLee_10, Annalisa_9, Arianna_10, Attis_8, Audell_13, Auxilium_10, BaileyBlu_8, BaxterFox_8, Beenie_9, BenchScraper_10, Bhageatrice_12, BigSherm_12, BillyTP_10, Bjanes7_8, BlueShadow_10, CallinAllBarbz_8, CardboardBox_10, ChamoyPickle_10, ChipsNGuac_10, Clap_8, Clark_9, Cole_10, Colleen_10, CookieBear_10, CosmicBrownie_9, Crescenzo_10, Cynthia_8, DarwinJr_13, Denise_8, Ding_10, Dirtdigger_11, DobbysSock_8, Dolores_9, Donatella_11, Dorito_8, Easley_9, Ebert_8, EdnaMode_8, Elesar_11, EvePickles_10, Ezurina_9, Faja_10, FroggyToad_8, GMA4_9, GemG_8, Gerri43_10, Gizermo_8, Globfish_10, GoodLuckBabe_12, Gorpy_10, GrimEater_8, Guinevere_12, GumGum_10, Gusanita_10, Haley23_8, Halloweekend_10, Hestia_10, Hillester_10, Hortense_8, Howe_8, Ichiang_10, Invectra_9, IsHungry_12, Isolde_11, JCole_8, JakeTheSnake_10, Jankie_8, JellyBread_10, Juicebox_10, Julie_12, Kabloowy_10, Kihatsu_13, Lamberg_8, Lasker_10, LastNadiia_13, Lawnathon_10, LeBruni_10, Lenoxika_12, LisoBros_8, LordFarquaad_8, MUWow_9, Makima_11, Mapleville_9, MaterMagnus_10, Matteo_8, Mbo4_8, MichaelScott_9, MidnightRain_10, MillySue_12, Mireles_10, Mocha12_8, MurphyJoseph_10, Nandita_12, Nettuno_8, Neuvillette_10, Nyilah_9, Ohgeesy_8, Oregano_9, PantheRoc_8, Persistence_9, PhaoMing_8, Phrank15_9, PhriskyACE_8, Pickett_8, Popper_10, Poushou_10, Powerball_8, QuinnAvery_12, RadFad_10, Raphaella_10, Richie_10, Rizz_10, Roberts_10, Ryan_12, Sahara_8, Saintcarr_11, Sakai_10, Samman98_9,

Sashimi_11, Satrap_10, Savage_8, Schism_12, Seahorse_11, Sekhmet_9, Shlim410_8, Shukran_10, Sidious_8, SoilAssassin_8, SonDevVon_9, SpicyFrank_10, Sporco_10, Sproutie_8, Studio_10, Suerte_8, TMaxx_10, ThayneTheZag_10, Thimann_9, Tiff81_11, ToastyOats_13, Toodles_11, TouchMeNot_10, TripleC_13, TuertoX_8, Tuti_9, Twinkle_8, Whiteclaw_8, Windest_11, WinkNick_9, Yeet412_8, Yeezy_8, Yonex_12, YoungHarleezy_10, Zaheer_12,

Genes that have the "Most Annotated" start but do not call it:
• BasketStar_10, Jalleen_8, Nergal_13, NewKitty_11, Vopal_11,

Genes that do not have the "Most Annotated" start:
• 32HC_15, AbbyDaisy_9, Adelaide_8, B22_9, Bauer_11, BellaJr_11, Bernal13_10, BlackSpider_9, Bran_8, Cassini_9, Dina_8, Doucette_9, E6_10, Elfy_7, G4_9, Ibrahim_10, Lederberg_8, MalagasyRose_15, Mendokysei_9, Merpity_9, MrSmee_8, Nairb_10, Neroxid_8, Nette_10, Raqqa_9, Raya_8, Rem711_14, RonRayGun_10, SPB78_9, SamW_8, Skitty_8, Skyerus_8, Spartoi_7, StAB_8, Stiles_8, Troy_8, VWB_8, Whitty_10, ZenTime222_10, Zucker_10,

Summary by start number:

Start 11:
• Found in 8 of 204 (3.9%) of genes in pham
• Manual Annotations of this start: 3 of 171
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AbbyDaisy_9 (AY), Merpity_9 (FQ1), MrSmee_8 (FQ1), Neroxid_8 (FQ2), Raqqa_9 (AY), Raya_8 (FQ2), Skitty_8 (FQ1), Skyerus_8 (FQ2),

Start 15:
• Found in 8 of 204 (3.9%) of genes in pham
• Manual Annotations of this start: 7 of 171
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bernal13_10 (T), Ibrahim_10 (T), Mendokysei_9 (T), Nairb_10 (T), Nette_10 (T), RonRayGun_10 (T), Whitty_10 (T), ZenTime222_10 (T),

Start 16:
• Found in 2 of 204 (1.0%) of genes in pham
• Manual Annotations of this start: 1 of 171
• Called 100.0% of time when present
• Phage (with cluster) where this start called: 32HC_15 (Z), Rem711_14 (Z),

Start 17:
• Found in 1 of 204 (0.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: SPB78_9 (BA),

Start 18:
• Found in 7 of 204 (3.4%) of genes in pham
• Manual Annotations of this start: 5 of 171
• Called 85.7% of time when present

• Phage (with cluster) where this start called: Bauer_11 (FN), BellaJr_11 (FN), BlackSpider_9 (FN), Cassini_9 (FN), Elfy_7 (FP), Zucker_10 (FN),

Start 19:
• Found in 8 of 204 (3.9%) of genes in pham
• Manual Annotations of this start: 8 of 171
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adelaide_8 (EP), Bran_8 (EP), Dina_8 (EP), Lederberg_8 (EP), SamW_8 (EP), StAB_8 (EP), Stiles_8 (EP), Troy_8 (EP),

Start 20:
• Found in 164 of 204 (80.4%) of genes in pham
• Manual Annotations of this start: 140 of 171
• Called 97.0% of time when present
• Phage (with cluster) where this start called: AdaS_10 (AY), Adora_8 (CZ4), Agamotto_12 (FR), Aikyam_10 (AY), AllBusiness_11 (FF), Anekin_9 (AY), AnnabelLee_10 (FR), Annalisa_9 (CZ4), Arianna_10 (EO), Attis_8 (CZ2), Audell_13 (FR), Auxilium_10 (AY), BaileyBlu_8 (FP), BaxterFox_8 (CZ3), Beenie_9 (CZ4), BenchScraper_10 (AY), Bhageatrice_12 (AY), BigSherm_12 (FF), BillyTP_10 (AY), Bjanes7_8 (CZ2), BlueShadow_10 (AY), CallinAllBarbz_8 (FP), CardboardBox_10 (FR), ChamoyPickle_10 (FR), ChipsNGuac_10 (FR), Clap_8 (CZ2), Clark_9 (CZ4), Cole_10 (FF), Colleen_10 (EO), CookieBear_10 (AY), CosmicBrownie_9 (AY), Crescenzo_10 (AY), Cynthia_8 (CZ2), DarwinJr_13 (AY), Denise_8 (CZ5), Ding_10 (AY), Dirtdigger_11 (FF), DobbysSock_8 (CZ4), Dolores_9 (CZ4), Donatella_11 (FF), Dorito_8 (CZ4), Easley_9 (CZ4), Ebert_8 (CZ2), EdnaMode_8 (CZ2), Elesar_11 (FF), EvePickles_10 (AY), Ezurina_9 (FR), Faja_10 (AY), FroggyToad_8 (CZ2), GMA4_9 (singleton), GemG_8 (CZ2), Gerri43_10 (FR), Gizermo_8 (CZ2), Globfish_10 (AY), GoodLuckBabe_12 (FF), Gorpy_10 (AY), GrimEater_8 (FP), Guinevere_12 (FF), GumGum_10 (AY), Gusanita_10 (FF), Haley23_8 (CZ2), Halloweekend_10 (FF), Hestia_10 (AY), Hillester_10 (AY), Hortense_8 (CZ4), Howe_8 (CZ4), Ichiang_10 (FF), Invectra_9 (CZ4), IsHungry_12 (FF), Isolde_11 (AY), JCole_8 (CZ2), JakeTheSnake_10 (AY), Jankie_8 (FP), JellyBread_10 (AY), Juicebox_10 (singleton), Julie_12 (FF), Kabloowy_10 (AY), Kihatsu_13 (FF), Lamberg_8 (CZ2), Lasker_10 (AY), LastNadiia_13 (FR), Lawnathon_10 (AY), LeBruni_10 (AY), Lenoxika_12 (FF), LisoBros_8 (FP), LordFarquaad_8 (CZ2), MUWow_9 (AY), Makima_11 (FR), Mapleville_9 (AY), MaterMagnus_10 (AY), Matteo_8 (CZ2), Mbo4_8 (singleton), MichaelScott_9 (CZ4), MidnightRain_10 (AY), MillySue_12 (FF), Mireles_10 (FR), Mocha12_8 (CZ2), MurphyJoseph_10 (AY), Nandita_12 (FF), Nettuno_8 (CZ2), Neuvillette_10 (FR), Nyilah_9 (AY), Ohgeesy_8 (CZ), Oregano_9 (CZ4), PantheRoc_8 (CZ3), Persistence_9 (AY), PhaoMing_8 (UNK), Phrank15_9 (AY), PhriskyACE_8 (CZ4), Pickett_8 (CZ2), Popper_10 (FF), Poushou_10 (EO), Powerball_8 (CZ4), QuinnAvery_12 (FF), RadFad_10 (AY), Raphaella_10 (AY), Richie_10 (AY), Rizz_10 (CZ4), Roberts_10 (FR), Ryan_12 (FF), Sahara_8 (CZ2), Saintcarr_11 (FF), Sakai_10 (AY), Samman98_9 (CZ4), Sashimi_11 (AY), Satrap_10 (AY), Savage_8 (CZ2), Schism_12 (FF), Seahorse_11 (AY), Sekhmet_9 (CZ4), Shlim410_8 (CZ4), Shukran_10 (AY), Sidious_8 (CZ7), SoilAssassin_8 (CZ2), SonDevVon_9 (AY), SpicyFrank_10 (AY), Sporco_10 (AY), Sproutie_8 (CZ2), Studio_10 (FR), Suerte_8 (CZ4), TMaxx_10 (FR), ThayneTheZag_10 (AY), Thimann_9 (CZ4), Tiff81_11 (AY), ToastyOats_13 (FF), Toodles_11 (FF), TouchMeNot_10 (EO), TripleC_13 (FR), TuertoX_8 (CZ2), Tuti_9 (CZ4), Twinkle_8 (CZ4), Whiteclaw_8 (CZ2), Windest_11 (AY), WinkNick_9 (CZ4), Yeet412_8 (CZ2), Yeezy_8 (CZ3), Yonex_12 (FF), YoungHarleezy_10 (AY), Zaheer_12 (FF),

Start 21:
• Found in 2 of 204 (1.0%) of genes in pham
• Manual Annotations of this start: 2 of 171
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MalagasyRose_15 (AG), Nergal_13 (AG),

Start 22:
• Found in 8 of 204 (3.9%) of genes in pham
• Manual Annotations of this start: 1 of 171
• Called 12.5% of time when present
• Phage (with cluster) where this start called: Spartoi_7 (singleton),

Start 23:
• Found in 16 of 204 (7.8%) of genes in pham
• No Manual Annotations of this start.
• Called 6.2% of time when present
• Phage (with cluster) where this start called: VWB_8 (BA),

Start 27:
• Found in 19 of 204 (9.3%) of genes in pham
• No Manual Annotations of this start.
• Called 5.3% of time when present
• Phage (with cluster) where this start called: Jalleen_8 (CZ2),

Start 30:
• Found in 4 of 204 (2.0%) of genes in pham
• Manual Annotations of this start: 4 of 171
• Called 100.0% of time when present
• Phage (with cluster) where this start called: B22_9 (BW), Doucette_9 (BW), E6_10 (BW), G4_9 (BW),

Start 41:
• Found in 23 of 204 (11.3%) of genes in pham
• No Manual Annotations of this start.
• Called 13.0% of time when present
• Phage (with cluster) where this start called: BasketStar_10 (AY), NewKitty_11 (AY), Vopal_11 (AY),

Summary by clusters:

There are 22 clusters represented in this pham: FP, FR, BA, CZ2, CZ3, CZ7, CZ4, CZ5, BW, FF, FN, UNK, EO, AG, CZ, T, AY, singleton, Z, EP, FQ2, FQ1,

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

Info for manual annotations of cluster AY:
•Start number 11 was manually annotated 1 time for cluster AY.
•Start number 20 was manually annotated 44 times for cluster AY.

Info for manual annotations of cluster BW:

•Start number 30 was manually annotated 4 times for cluster BW.

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

Info for manual annotations of cluster CZ2:
•Start number 20 was manually annotated 23 times for cluster CZ2.

Info for manual annotations of cluster CZ3:
•Start number 20 was manually annotated 3 times for cluster CZ3.

Info for manual annotations of cluster CZ4:
•Start number 20 was manually annotated 23 times for cluster CZ4.

Info for manual annotations of cluster CZ5:
•Start number 20 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster CZ7:
•Start number 20 was manually annotated 1 time for cluster CZ7.

Info for manual annotations of cluster EO:
•Start number 20 was manually annotated 4 times for cluster EO.

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

Info for manual annotations of cluster FF:
•Start number 20 was manually annotated 23 times for cluster FF.

Info for manual annotations of cluster FN:
•Start number 18 was manually annotated 4 times for cluster FN.

Info for manual annotations of cluster FP:
•Start number 18 was manually annotated 1 time for cluster FP.
•Start number 20 was manually annotated 5 times for cluster FP.

Info for manual annotations of cluster FQ1:
•Start number 11 was manually annotated 2 times for cluster FQ1.

Info for manual annotations of cluster FR:
•Start number 20 was manually annotated 11 times for cluster FR.

Info for manual annotations of cluster T:
•Start number 15 was manually annotated 7 times for cluster T.

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

Gene Information:

Gene: 32HC_15 Start: 9730, Stop: 10119, Start Num: 16
Candidate Starts for 32HC_15:
(Start: 16 @9730 has 1 MA's), (23, 9754), (28, 9778), (47, 9829), (83, 9910), (89, 9934),

Gene: AbbyDaisy_9 Start: 6279, Stop: 6755, Start Num: 11
Candidate Starts for AbbyDaisy_9:
(Start: 11 @6279 has 3 MA's), (33, 6396), (43, 6420), (58, 6462), (64, 6477), (113, 6636), (124, 6660),

Gene: AdaS_10 Start: 7295, Stop: 7651, Start Num: 20
Candidate Starts for AdaS_10:
(Start: 20 @7295 has 140 MA's), (50, 7394), (53, 7400), (85, 7466), (131, 7595), (137, 7610), (145, 7637),

Gene: Adelaide_8 Start: 6455, Stop: 6859, Start Num: 19
Candidate Starts for Adelaide_8:
(Start: 19 @6455 has 8 MA's), (48, 6545), (72, 6602), (85, 6626), (92, 6653), (104, 6698), (110, 6716), (139, 6782),

Gene: Adora_8 Start: 6280, Stop: 6651, Start Num: 20
Candidate Starts for Adora_8:
(Start: 20 @6280 has 140 MA's), (40, 6343), (48, 6367), (64, 6403), (76, 6439), (81, 6451), (85, 6463), (86, 6466), (99, 6520), (105, 6538), (121, 6577), (123, 6583), (132, 6598), (135, 6607),

Gene: Agamotto_12 Start: 9771, Stop: 10199, Start Num: 20
Candidate Starts for Agamotto_12:
(Start: 20 @9771 has 140 MA's), (71, 9933), (79, 9948), (85, 9966), (122, 10077), (149, 10152),

Gene: Aikyam_10 Start: 7296, Stop: 7652, Start Num: 20
Candidate Starts for Aikyam_10:
(Start: 20 @7296 has 140 MA's), (41, 7365), (50, 7395), (53, 7401), (83, 7458), (85, 7467), (131, 7596), (145, 7638),

Gene: AllBusiness_11 Start: 7831, Stop: 8232, Start Num: 20
Candidate Starts for AllBusiness_11:
(Start: 20 @7831 has 140 MA's), (36, 7888), (63, 7957), (75, 7999), (84, 8014), (85, 8020), (89, 8035), (103, 8089), (128, 8149), (143, 8188), (144, 8197),

Gene: Anekin_9 Start: 7408, Stop: 7764, Start Num: 20
Candidate Starts for Anekin_9:
(Start: 20 @7408 has 140 MA's), (26, 7435), (50, 7507), (74, 7558), (84, 7573), (85, 7579), (89, 7594), (145, 7750),

Gene: AnnabelLee_10 Start: 6689, Stop: 7129, Start Num: 20
Candidate Starts for AnnabelLee_10:
(Start: 20 @6689 has 140 MA's), (59, 6809), (85, 6887), (149, 7073),

Gene: Annalisa_9 Start: 6598, Stop: 6981, Start Num: 20
Candidate Starts for Annalisa_9:
(Start: 20 @6598 has 140 MA's), (32, 6643), (39, 6658), (45, 6676), (48, 6685), (76, 6754), (81, 6766), (85, 6778), (99, 6835),

Gene: Arianna_10 Start: 8239, Stop: 8625, Start Num: 20
Candidate Starts for Arianna_10:

(Start: 20 @8239 has 140 MA's), (44, 8320), (55, 8347), (81, 8416), (86, 8425), (111, 8506), (136, 8560),

Gene: Attis_8 Start: 6128, Stop: 6511, Start Num: 20
Candidate Starts for Attis_8:
(Start: 20 @6128 has 140 MA's), (48, 6215), (81, 6296), (85, 6308), (96, 6350), (99, 6365), (132, 6443),

Gene: Audell_13 Start: 10041, Stop: 10469, Start Num: 20
Candidate Starts for Audell_13:
(Start: 20 @10041 has 140 MA's), (71, 10203), (79, 10218), (85, 10236), (122, 10347), (147, 10416), (154, 10455),

Gene: Auxilium_10 Start: 7295, Stop: 7651, Start Num: 20
Candidate Starts for Auxilium_10:
(Start: 20 @7295 has 140 MA's), (50, 7394), (53, 7400), (85, 7466), (131, 7595), (137, 7610), (145, 7637),

Gene: B22_9 Start: 6731, Stop: 7111, Start Num: 30
Candidate Starts for B22_9:
(9, 6602), (12, 6617), (Start: 30 @6731 has 4 MA's), (54, 6797), (71, 6851), (94, 6908), (98, 6923), (101, 6935), (114, 6974), (119, 6980), (141, 7037),

Gene: BaileyBlu_8 Start: 5760, Stop: 6185, Start Num: 20
Candidate Starts for BaileyBlu_8:
(Start: 20 @5760 has 140 MA's), (78, 5934), (86, 5958), (149, 6138),

Gene: BasketStar_10 Start: 7418, Stop: 7705, Start Num: 41
Candidate Starts for BasketStar_10:
(Start: 20 @7349 has 140 MA's), (41, 7418), (50, 7448), (53, 7454), (83, 7511), (85, 7520), (131, 7649), (145, 7691),

Gene: Bauer_11 Start: 7722, Stop: 8126, Start Num: 18
Candidate Starts for Bauer_11:
(Start: 18 @7722 has 5 MA's), (68, 7875), (69, 7878), (71, 7890), (86, 7926), (87, 7929), (108, 8010), (118, 8022), (125, 8043), (136, 8070),

Gene: BaxterFox_8 Start: 6274, Stop: 6648, Start Num: 20
Candidate Starts for BaxterFox_8:
(Start: 20 @6274 has 140 MA's), (35, 6328), (48, 6364), (81, 6448), (85, 6460), (86, 6463), (92, 6487), (99, 6517), (121, 6574), (123, 6580), (132, 6595), (135, 6604),

Gene: Beenie_9 Start: 6592, Stop: 6975, Start Num: 20
Candidate Starts for Beenie_9:
(Start: 20 @6592 has 140 MA's), (32, 6637), (39, 6652), (48, 6679), (76, 6748), (85, 6772), (99, 6829),

Gene: BellaJr_11 Start: 7766, Stop: 8170, Start Num: 18
Candidate Starts for BellaJr_11:
(Start: 18 @7766 has 5 MA's), (86, 7970), (90, 7985), (108, 8054), (118, 8066), (127, 8093), (138, 8117),

Gene: BenchScraper_10 Start: 7310, Stop: 7666, Start Num: 20
Candidate Starts for BenchScraper_10:

(Start: 20 @7310 has 140 MA's), (41, 7379), (50, 7409), (53, 7415), (83, 7472), (85, 7481), (131, 7610), (145, 7652),

Gene: Bernal13_10 Start: 8271, Stop: 8714, Start Num: 15
Candidate Starts for Bernal13_10:
(4, 8115), (5, 8133), (8, 8211), (Start: 15 @8271 has 7 MA's), (75, 8457), (77, 8460), (83, 8472), (88, 8490), (93, 8511), (95, 8520), (101, 8541), (103, 8550),

Gene: Bhageatrice_12 Start: 8505, Stop: 8861, Start Num: 20
Candidate Starts for Bhageatrice_12:
(Start: 20 @8505 has 140 MA's), (26, 8532), (74, 8655), (85, 8676), (89, 8691), (116, 8769), (137, 8820), (145, 8847),

Gene: BigSherm_12 Start: 7780, Stop: 8181, Start Num: 20
Candidate Starts for BigSherm_12:
(Start: 20 @7780 has 140 MA's), (75, 7948), (84, 7963), (85, 7969), (89, 7984), (103, 8038), (128, 8098), (141, 8131), (143, 8137), (144, 8146),

Gene: BillyTP_10 Start: 7295, Stop: 7654, Start Num: 20
Candidate Starts for BillyTP_10:
(Start: 20 @7295 has 140 MA's), (41, 7364), (63, 7412), (85, 7466), (116, 7565), (145, 7640),

Gene: Bjanes7_8 Start: 6128, Stop: 6511, Start Num: 20
Candidate Starts for Bjanes7_8:
(Start: 20 @6128 has 140 MA's), (48, 6215), (81, 6296), (85, 6308), (96, 6350), (99, 6365), (132, 6443),

Gene: BlackSpider_9 Start: 6761, Stop: 7165, Start Num: 18
Candidate Starts for BlackSpider_9:
(Start: 18 @6761 has 5 MA's), (86, 6965), (87, 6968), (90, 6980), (108, 7049), (125, 7082), (136, 7109),

Gene: BlueShadow_10 Start: 7292, Stop: 7648, Start Num: 20
Candidate Starts for BlueShadow_10:
(Start: 20 @7292 has 140 MA's), (Start: 22 @7298 has 1 MA's), (23, 7304), (24, 7307), (41, 7361), (49, 7388), (50, 7391), (81, 7451), (83, 7454), (85, 7463), (131, 7592), (137, 7607), (145, 7634),

Gene: Bran_8 Start: 6460, Stop: 6864, Start Num: 19
Candidate Starts for Bran_8:
(Start: 19 @6460 has 8 MA's), (48, 6550), (72, 6607), (85, 6631), (92, 6658), (104, 6703), (110, 6721), (139, 6787),

Gene: CallinAllBarbz_8 Start: 5770, Stop: 6195, Start Num: 20
Candidate Starts for CallinAllBarbz_8:
(Start: 20 @5770 has 140 MA's), (78, 5944), (86, 5968), (149, 6148),

Gene: CardboardBox_10 Start: 6689, Stop: 7129, Start Num: 20
Candidate Starts for CardboardBox_10:
(Start: 20 @6689 has 140 MA's), (59, 6809), (66, 6833), (85, 6887), (149, 7073),

Gene: Cassini_9 Start: 6730, Stop: 7134, Start Num: 18
Candidate Starts for Cassini_9:
(Start: 18 @6730 has 5 MA's), (34, 6787), (86, 6934), (87, 6937), (90, 6949), (108, 7018), (125, 7051), (136, 7078),

Gene: ChamoyPickle_10 Start: 6689, Stop: 7129, Start Num: 20
Candidate Starts for ChamoyPickle_10:
(Start: 20 @6689 has 140 MA's), (59, 6809), (66, 6833), (85, 6887), (149, 7073),

Gene: ChipsNGuac_10 Start: 6689, Stop: 7129, Start Num: 20
Candidate Starts for ChipsNGuac_10:
(Start: 20 @6689 has 140 MA's), (59, 6809), (66, 6833), (85, 6887), (149, 7073),

Gene: Clap_8 Start: 6128, Stop: 6511, Start Num: 20
Candidate Starts for Clap_8:
(Start: 20 @6128 has 140 MA's), (27, 6155), (48, 6215), (81, 6296), (85, 6308), (96, 6350), (99, 6365), (132, 6443),

Gene: Clark_9 Start: 6598, Stop: 6981, Start Num: 20
Candidate Starts for Clark_9:
(Start: 20 @6598 has 140 MA's), (32, 6643), (39, 6658), (45, 6676), (48, 6685), (76, 6754), (81, 6766), (85, 6778), (99, 6835),

Gene: Cole_10 Start: 7439, Stop: 7840, Start Num: 20
Candidate Starts for Cole_10:
(Start: 20 @7439 has 140 MA's), (36, 7496), (83, 7619), (84, 7622), (85, 7628), (89, 7643), (103, 7697), (128, 7757), (130, 7760), (143, 7796), (144, 7805),

Gene: Colleen_10 Start: 8239, Stop: 8625, Start Num: 20
Candidate Starts for Colleen_10:
(Start: 20 @8239 has 140 MA's), (44, 8320), (55, 8347), (81, 8416), (86, 8425), (111, 8506), (136, 8560),

Gene: CookieBear_10 Start: 7295, Stop: 7651, Start Num: 20
Candidate Starts for CookieBear_10:
(Start: 20 @7295 has 140 MA's), (50, 7394), (53, 7400), (85, 7466), (131, 7595), (137, 7610), (145, 7637),

Gene: CosmicBrownie_9 Start: 7364, Stop: 7723, Start Num: 20
Candidate Starts for CosmicBrownie_9:
(Start: 20 @7364 has 140 MA's), (23, 7376), (24, 7379), (26, 7391), (40, 7430), (53, 7469), (74, 7514), (85, 7535), (145, 7709), (146, 7715),

Gene: Crescenzo_10 Start: 7336, Stop: 7692, Start Num: 20
Candidate Starts for Crescenzo_10:
(Start: 20 @7336 has 140 MA's), (26, 7363), (50, 7435), (74, 7486), (84, 7501), (85, 7507), (89, 7522), (145, 7678),

Gene: Cynthia_8 Start: 6128, Stop: 6511, Start Num: 20
Candidate Starts for Cynthia_8:
(Start: 20 @6128 has 140 MA's), (27, 6155), (48, 6215), (81, 6296), (85, 6308), (96, 6350), (99, 6365), (132, 6443),

Gene: DarwinJr_13 Start: 8639, Stop: 8995, Start Num: 20
Candidate Starts for DarwinJr_13:
(Start: 20 @8639 has 140 MA's), (26, 8666), (50, 8738), (74, 8789), (84, 8804), (85, 8810), (89, 8825), (145, 8981),

Gene: Denise_8 Start: 6137, Stop: 6520, Start Num: 20
Candidate Starts for Denise_8:
(Start: 20 @6137 has 140 MA's), (27, 6164), (48, 6224), (81, 6305), (85, 6317), (96, 6359), (99, 6374), (132, 6452),

Gene: Dina_8 Start: 6443, Stop: 6847, Start Num: 19
Candidate Starts for Dina_8:
(Start: 19 @6443 has 8 MA's), (48, 6533), (72, 6590), (85, 6614), (92, 6641), (104, 6686), (110, 6704), (139, 6770),

Gene: Ding_10 Start: 7266, Stop: 7622, Start Num: 20
Candidate Starts for Ding_10:
(Start: 20 @7266 has 140 MA's), (23, 7278), (24, 7281), (50, 7365), (57, 7380), (67, 7398), (74, 7416), (84, 7431), (85, 7437), (98, 7485), (116, 7530), (123, 7551), (145, 7608),

Gene: Dirtdigger_11 Start: 7642, Stop: 8043, Start Num: 20
Candidate Starts for Dirtdigger_11:
(Start: 20 @7642 has 140 MA's), (52, 7747), (63, 7768), (84, 7825), (85, 7831), (89, 7846), (103, 7900), (128, 7960), (143, 7999), (144, 8008),

Gene: DobbysSock_8 Start: 6090, Stop: 6473, Start Num: 20
Candidate Starts for DobbysSock_8:
(Start: 20 @6090 has 140 MA's), (32, 6135), (39, 6150), (45, 6168), (48, 6177), (76, 6246), (81, 6258), (85, 6270), (99, 6327),

Gene: Dolores_9 Start: 6592, Stop: 6975, Start Num: 20
Candidate Starts for Dolores_9:
(Start: 20 @6592 has 140 MA's), (32, 6637), (39, 6652), (45, 6670), (48, 6679), (76, 6748), (85, 6772), (99, 6829),

Gene: Donatella_11 Start: 7906, Stop: 8307, Start Num: 20
Candidate Starts for Donatella_11:
(Start: 20 @7906 has 140 MA's), (75, 8074), (84, 8089), (85, 8095), (89, 8110), (103, 8164), (128, 8224), (130, 8227), (141, 8257), (143, 8263), (144, 8272),

Gene: Dorito_8 Start: 6096, Stop: 6479, Start Num: 20
Candidate Starts for Dorito_8:
(Start: 20 @6096 has 140 MA's), (32, 6141), (39, 6156), (45, 6174), (48, 6183), (76, 6252), (81, 6264), (85, 6276), (99, 6333),

Gene: Doucette_9 Start: 6791, Stop: 7171, Start Num: 30
Candidate Starts for Doucette_9:
(9, 6662), (12, 6677), (Start: 30 @6791 has 4 MA's), (46, 6836), (54, 6857), (71, 6911), (94, 6968), (98, 6983), (101, 6995), (114, 7034), (119, 7040), (141, 7097),

Gene: E6_10 Start: 6842, Stop: 7222, Start Num: 30
Candidate Starts for E6_10:
(9, 6713), (12, 6728), (Start: 30 @6842 has 4 MA's), (54, 6908), (71, 6962), (94, 7019), (98, 7034), (101, 7046), (114, 7085), (119, 7091), (141, 7148),

Gene: Easley_9 Start: 6592, Stop: 6975, Start Num: 20
Candidate Starts for Easley_9:
(Start: 20 @6592 has 140 MA's), (32, 6637), (39, 6652), (48, 6679), (76, 6748), (85, 6772), (99, 6829),

Gene: Ebert_8 Start: 6128, Stop: 6511, Start Num: 20
Candidate Starts for Ebert_8:
(Start: 20 @6128 has 140 MA's), (27, 6155), (48, 6215), (81, 6296), (85, 6308), (96, 6350), (99, 6365), (132, 6443),

Gene: EdnaMode_8 Start: 6128, Stop: 6511, Start Num: 20
Candidate Starts for EdnaMode_8:
(Start: 20 @6128 has 140 MA's), (27, 6155), (48, 6215), (73, 6278), (81, 6296), (85, 6308), (89, 6323), (132, 6443), (142, 6467),

Gene: Elesar_11 Start: 7829, Stop: 8230, Start Num: 20
Candidate Starts for Elesar_11:
(Start: 20 @7829 has 140 MA's), (75, 7997), (84, 8012), (85, 8018), (89, 8033), (103, 8087), (128, 8147), (143, 8186), (144, 8195),

Gene: Elfy_7 Start: 5675, Stop: 6109, Start Num: 18
Candidate Starts for Elfy_7:
(Start: 18 @5675 has 5 MA's), (42, 5750), (63, 5804), (65, 5816), (81, 5861), (85, 5873), (129, 5999), (131, 6002),

Gene: EvePickles_10 Start: 7351, Stop: 7707, Start Num: 20
Candidate Starts for EvePickles_10:
(Start: 20 @7351 has 140 MA's), (41, 7420), (53, 7456), (74, 7501), (84, 7516), (85, 7522), (123, 7636), (145, 7693),

Gene: Ezurina_9 Start: 6254, Stop: 6694, Start Num: 20
Candidate Starts for Ezurina_9:
(Start: 20 @6254 has 140 MA's), (59, 6374), (85, 6452), (149, 6638),

Gene: Faja_10 Start: 7295, Stop: 7651, Start Num: 20
Candidate Starts for Faja_10:
(Start: 20 @7295 has 140 MA's), (41, 7364), (53, 7400), (74, 7445), (84, 7460), (85, 7466), (123, 7580), (145, 7637),

Gene: FroggyToad_8 Start: 6129, Stop: 6512, Start Num: 20
Candidate Starts for FroggyToad_8:
(Start: 20 @6129 has 140 MA's), (27, 6156), (48, 6216), (81, 6297), (85, 6309), (96, 6351), (99, 6366), (132, 6444),

Gene: G4_9 Start: 6779, Stop: 7159, Start Num: 30
Candidate Starts for G4_9:
(9, 6650), (12, 6665), (Start: 30 @6779 has 4 MA's), (54, 6845), (71, 6899), (94, 6956), (98, 6971), (101, 6983), (114, 7022), (119, 7028), (141, 7085),

Gene: GMA4_9 Start: 7458, Stop: 7847, Start Num: 20
Candidate Starts for GMA4_9:
(Start: 20 @7458 has 140 MA's), (31, 7506), (44, 7536), (55, 7560), (79, 7620), (81, 7626), (86, 7635), (90, 7650), (97, 7677), (149, 7827), (150, 7833),

Gene: GemG_8 Start: 6128, Stop: 6511, Start Num: 20
Candidate Starts for GemG_8:

(Start: 20 @6128 has 140 MA's), (27, 6155), (48, 6215), (81, 6296), (85, 6308), (96, 6350), (99, 6365), (132, 6443),

Gene: Gerri43_10 Start: 6689, Stop: 7129, Start Num: 20
Candidate Starts for Gerri43_10:
(Start: 20 @6689 has 140 MA's), (59, 6809), (66, 6833), (85, 6887), (149, 7073),

Gene: Gizermo_8 Start: 6128, Stop: 6511, Start Num: 20
Candidate Starts for Gizermo_8:
(Start: 20 @6128 has 140 MA's), (27, 6155), (48, 6215), (81, 6296), (85, 6308), (96, 6350), (99, 6365), (132, 6443),

Gene: Globfish_10 Start: 7340, Stop: 7696, Start Num: 20
Candidate Starts for Globfish_10:
(Start: 20 @7340 has 140 MA's), (41, 7409), (49, 7436), (50, 7439), (53, 7445), (83, 7502), (85, 7511), (131, 7640), (145, 7682),

Gene: GoodLuckBabe_12 Start: 7734, Stop: 8135, Start Num: 20
Candidate Starts for GoodLuckBabe_12:
(Start: 20 @7734 has 140 MA's), (75, 7902), (84, 7917), (85, 7923), (89, 7938), (103, 7992), (128, 8052), (130, 8055), (141, 8085), (143, 8091), (144, 8100),

Gene: Gorpy_10 Start: 7304, Stop: 7660, Start Num: 20
Candidate Starts for Gorpy_10:
(Start: 20 @7304 has 140 MA's), (41, 7373), (50, 7403), (53, 7409), (83, 7466), (85, 7475), (131, 7604), (145, 7646),

Gene: GrimEater_8 Start: 5769, Stop: 6197, Start Num: 20
Candidate Starts for GrimEater_8:
(6, 5637), (Start: 20 @5769 has 140 MA's), (74, 5934), (81, 5952), (115, 6057), (149, 6147),

Gene: Guinevere_12 Start: 7765, Stop: 8166, Start Num: 20
Candidate Starts for Guinevere_12:
(Start: 20 @7765 has 140 MA's), (75, 7933), (84, 7948), (85, 7954), (89, 7969), (103, 8023), (128, 8083), (130, 8086), (141, 8116), (143, 8122), (144, 8131),

Gene: GumGum_10 Start: 7340, Stop: 7699, Start Num: 20
Candidate Starts for GumGum_10:
(Start: 20 @7340 has 140 MA's), (50, 7439), (81, 7499), (85, 7511), (116, 7610), (121, 7625), (145, 7685),

Gene: Gusanita_10 Start: 7653, Stop: 8054, Start Num: 20
Candidate Starts for Gusanita_10:
(Start: 20 @7653 has 140 MA's), (63, 7779), (75, 7821), (84, 7836), (85, 7842), (89, 7857), (103, 7911), (128, 7971), (133, 7980), (143, 8010), (144, 8019),

Gene: Haley23_8 Start: 6128, Stop: 6511, Start Num: 20
Candidate Starts for Haley23_8:
(Start: 20 @6128 has 140 MA's), (27, 6155), (48, 6215), (81, 6296), (85, 6308), (96, 6350), (99, 6365), (132, 6443),

Gene: Halloweekend_10 Start: 7406, Stop: 7807, Start Num: 20
Candidate Starts for Halloweekend_10:

(Start: 20 @7406 has 140 MA's), (75, 7574), (84, 7589), (85, 7595), (89, 7610), (103, 7664), (128, 7724), (141, 7757), (143, 7763), (144, 7772),

Gene: Hestia_10 Start: 7405, Stop: 7764, Start Num: 20
Candidate Starts for Hestia_10:
(Start: 20 @7405 has 140 MA's), (26, 7432), (50, 7504), (81, 7564), (85, 7576), (116, 7675), (121, 7690), (145, 7750),

Gene: Hillester_10 Start: 7292, Stop: 7648, Start Num: 20
Candidate Starts for Hillester_10:
(Start: 20 @7292 has 140 MA's), (Start: 22 @7298 has 1 MA's), (23, 7304), (24, 7307), (41, 7361), (49, 7388), (50, 7391), (81, 7451), (83, 7454), (85, 7463), (131, 7592), (137, 7607), (145, 7634),

Gene: Hortense_8 Start: 6280, Stop: 6651, Start Num: 20
Candidate Starts for Hortense_8:
(Start: 20 @6280 has 140 MA's), (40, 6343), (48, 6367), (64, 6403), (76, 6439), (81, 6451), (85, 6463), (86, 6466), (99, 6520), (105, 6538), (121, 6577), (123, 6583), (132, 6598), (135, 6607),

Gene: Howe_8 Start: 6280, Stop: 6651, Start Num: 20
Candidate Starts for Howe_8:
(Start: 20 @6280 has 140 MA's), (40, 6343), (48, 6367), (64, 6403), (76, 6439), (81, 6451), (85, 6463), (86, 6466), (99, 6520), (105, 6538), (121, 6577), (123, 6583), (132, 6598), (135, 6607),

Gene: Ibrahim_10 Start: 8271, Stop: 8714, Start Num: 15
Candidate Starts for Ibrahim_10:
(4, 8115), (5, 8133), (8, 8211), (Start: 15 @8271 has 7 MA's), (75, 8457), (77, 8460), (83, 8472), (88, 8490), (93, 8511), (95, 8520), (101, 8541), (103, 8550),

Gene: Ichiang_10 Start: 7421, Stop: 7822, Start Num: 20
Candidate Starts for Ichiang_10:
(Start: 20 @7421 has 140 MA's), (75, 7589), (84, 7604), (85, 7610), (89, 7625), (103, 7679), (128, 7739), (130, 7742), (143, 7778), (144, 7787),

Gene: Invectra_9 Start: 6592, Stop: 6975, Start Num: 20
Candidate Starts for Invectra_9:
(Start: 20 @6592 has 140 MA's), (32, 6637), (39, 6652), (45, 6670), (48, 6679), (76, 6748), (85, 6772), (99, 6829),

Gene: IsHungry_12 Start: 7727, Stop: 8128, Start Num: 20
Candidate Starts for IsHungry_12:
(Start: 20 @7727 has 140 MA's), (36, 7784), (52, 7832), (75, 7895), (84, 7910), (85, 7916), (89, 7931), (103, 7985), (128, 8045), (143, 8084), (144, 8093),

Gene: Isolde_11 Start: 7366, Stop: 7722, Start Num: 20
Candidate Starts for Isolde_11:
(Start: 20 @7366 has 140 MA's), (50, 7465), (53, 7471), (85, 7537), (131, 7666), (145, 7708),

Gene: JCole_8 Start: 6128, Stop: 6511, Start Num: 20
Candidate Starts for JCole_8:
(Start: 20 @6128 has 140 MA's), (27, 6155), (48, 6215), (81, 6296), (85, 6308), (96, 6350), (99, 6365), (132, 6443),

Gene: JakeTheSnake_10 Start: 7295, Stop: 7651, Start Num: 20

Candidate Starts for JakeTheSnake_10:
(Start: 20 @7295 has 140 MA's), (Start: 22 @7301 has 1 MA's), (23, 7307), (24, 7310), (49, 7391), (74, 7445), (84, 7460), (85, 7466), (137, 7610), (145, 7637),

Gene: Jalleen_8 Start: 6155, Stop: 6511, Start Num: 27
Candidate Starts for Jalleen_8:
(Start: 20 @6128 has 140 MA's), (27, 6155), (48, 6215), (81, 6296), (85, 6308), (96, 6350), (99, 6365), (132, 6443),

Gene: Jankie_8 Start: 5768, Stop: 6196, Start Num: 20
Candidate Starts for Jankie_8:
(6, 5636), (Start: 20 @5768 has 140 MA's), (74, 5933), (81, 5951), (115, 6056), (149, 6146),

Gene: JellyBread_10 Start: 7288, Stop: 7644, Start Num: 20
Candidate Starts for JellyBread_10:
(Start: 20 @7288 has 140 MA's), (50, 7387), (53, 7393), (85, 7459), (131, 7588), (137, 7603), (145, 7630),

Gene: Juicebox_10 Start: 7876, Stop: 8259, Start Num: 20
Candidate Starts for Juicebox_10:
(10, 7804), (Start: 20 @7876 has 140 MA's), (25, 7897), (52, 7972), (61, 7987), (86, 8056), (136, 8191), (152, 8239),

Gene: Julie_12 Start: 7990, Stop: 8391, Start Num: 20
Candidate Starts for Julie_12:
(Start: 20 @7990 has 140 MA's), (52, 8095), (84, 8173), (85, 8179), (89, 8194), (103, 8248), (106, 8260), (128, 8308), (143, 8347), (144, 8356),

Gene: Kabloowy_10 Start: 7382, Stop: 7741, Start Num: 20
Candidate Starts for Kabloowy_10:
(Start: 20 @7382 has 140 MA's), (26, 7409), (50, 7481), (85, 7553), (116, 7652), (121, 7667), (145, 7727),

Gene: Kihatsu_13 Start: 8087, Stop: 8488, Start Num: 20
Candidate Starts for Kihatsu_13:
(Start: 20 @8087 has 140 MA's), (75, 8255), (84, 8270), (85, 8276), (89, 8291), (103, 8345), (128, 8405), (141, 8438), (143, 8444), (144, 8453),

Gene: Lamberg_8 Start: 6128, Stop: 6511, Start Num: 20
Candidate Starts for Lamberg_8:
(Start: 20 @6128 has 140 MA's), (27, 6155), (48, 6215), (73, 6278), (81, 6296), (85, 6308), (89, 6323), (132, 6443), (142, 6467),

Gene: Lasker_10 Start: 7303, Stop: 7659, Start Num: 20
Candidate Starts for Lasker_10:
(Start: 20 @7303 has 140 MA's), (50, 7402), (53, 7408), (83, 7465), (85, 7474), (131, 7603), (145, 7645),

Gene: LastNadiia_13 Start: 8993, Stop: 9421, Start Num: 20
Candidate Starts for LastNadiia_13:
(Start: 20 @8993 has 140 MA's), (71, 9155), (79, 9170), (85, 9188), (120, 9293), (122, 9299), (149, 9374),

Gene: Lawnathon_10 Start: 7413, Stop: 7772, Start Num: 20
Candidate Starts for Lawnathon_10:
(Start: 20 @7413 has 140 MA's), (26, 7440), (51, 7515), (81, 7572), (85, 7584), (116, 7683), (121, 7698), (145, 7758),

Gene: LeBruni_10 Start: 7318, Stop: 7674, Start Num: 20
Candidate Starts for LeBruni_10:
(Start: 20 @7318 has 140 MA's), (49, 7414), (50, 7417), (53, 7423), (81, 7477), (83, 7480), (85, 7489), (131, 7618), (145, 7660), (146, 7666),

Gene: Lederberg_8 Start: 6443, Stop: 6847, Start Num: 19
Candidate Starts for Lederberg_8:
(Start: 19 @6443 has 8 MA's), (48, 6533), (72, 6590), (85, 6614), (92, 6641), (104, 6686), (110, 6704), (139, 6770),

Gene: Lenoxika_12 Start: 7767, Stop: 8168, Start Num: 20
Candidate Starts for Lenoxika_12:
(Start: 20 @7767 has 140 MA's), (75, 7935), (84, 7950), (85, 7956), (89, 7971), (103, 8025), (128, 8085), (141, 8118), (143, 8124), (144, 8133),

Gene: LisoBros_8 Start: 6055, Stop: 6471, Start Num: 20
Candidate Starts for LisoBros_8:
(Start: 20 @6055 has 140 MA's), (26, 6079), (42, 6127), (63, 6181), (78, 6229), (87, 6256), (115, 6343),

Gene: LordFarquaad_8 Start: 6128, Stop: 6511, Start Num: 20
Candidate Starts for LordFarquaad_8:
(Start: 20 @6128 has 140 MA's), (48, 6215), (81, 6296), (85, 6308), (96, 6350), (99, 6365), (132, 6443),

Gene: MUWow_9 Start: 7382, Stop: 7741, Start Num: 20
Candidate Starts for MUWow_9:
(Start: 20 @7382 has 140 MA's), (41, 7451), (63, 7499), (71, 7529), (85, 7553), (116, 7652), (145, 7727),

Gene: Makima_11 Start: 8080, Stop: 8520, Start Num: 20
Candidate Starts for Makima_11:
(Start: 20 @8080 has 140 MA's), (42, 8152), (85, 8275), (94, 8308), (145, 8446), (146, 8452), (149, 8461),

Gene: MalagasyRose_15 Start: 9283, Stop: 9678, Start Num: 21
Candidate Starts for MalagasyRose_15:
(Start: 21 @9283 has 2 MA's), (27, 9310), (55, 9391), (62, 9397), (82, 9457), (85, 9466), (87, 9472), (88, 9475), (99, 9523), (101, 9526), (142, 9628), (149, 9658),

Gene: Mapleville_9 Start: 7483, Stop: 7842, Start Num: 20
Candidate Starts for Mapleville_9:
(Start: 20 @7483 has 140 MA's), (26, 7510), (51, 7585), (81, 7642), (85, 7654), (116, 7753), (121, 7768), (145, 7828),

Gene: MaterMagnus_10 Start: 7296, Stop: 7652, Start Num: 20
Candidate Starts for MaterMagnus_10:
(Start: 20 @7296 has 140 MA's), (41, 7365), (50, 7395), (53, 7401), (83, 7458), (85, 7467), (131, 7596), (145, 7638),

Gene: Matteo_8 Start: 6128, Stop: 6511, Start Num: 20
Candidate Starts for Matteo_8:
(Start: 20 @6128 has 140 MA's), (48, 6215), (81, 6296), (85, 6308), (96, 6350), (99, 6365), (132, 6443),

Gene: Mbo4_8 Start: 6815, Stop: 7189, Start Num: 20
Candidate Starts for Mbo4_8:
(Start: 20 @6815 has 140 MA's), (48, 6905), (85, 6992), (99, 7046), (105, 7064),

Gene: Mendokysei_9 Start: 8237, Stop: 8689, Start Num: 15
Candidate Starts for Mendokysei_9:
(3, 8039), (Start: 15 @8237 has 7 MA's), (56, 8375), (75, 8429), (77, 8432), (83, 8444), (88, 8462), (93, 8483), (95, 8492),

Gene: Merpity_9 Start: 5444, Stop: 5920, Start Num: 11
Candidate Starts for Merpity_9:
(Start: 11 @5444 has 3 MA's), (37, 5573), (58, 5627), (60, 5630), (64, 5642), (70, 5663),

Gene: MichaelScott_9 Start: 6592, Stop: 6975, Start Num: 20
Candidate Starts for MichaelScott_9:
(Start: 20 @6592 has 140 MA's), (32, 6637), (39, 6652), (48, 6679), (76, 6748), (85, 6772), (99, 6829),

Gene: MidnightRain_10 Start: 7292, Stop: 7648, Start Num: 20
Candidate Starts for MidnightRain_10:
(Start: 20 @7292 has 140 MA's), (Start: 22 @7298 has 1 MA's), (23, 7304), (24, 7307), (41, 7361), (49, 7388), (50, 7391), (81, 7451), (83, 7454), (85, 7463), (131, 7592), (137, 7607), (145, 7634),

Gene: MillySue_12 Start: 7776, Stop: 8177, Start Num: 20
Candidate Starts for MillySue_12:
(Start: 20 @7776 has 140 MA's), (36, 7833), (84, 7959), (85, 7965), (89, 7980), (103, 8034), (128, 8094), (143, 8133), (144, 8142), (148, 8154),

Gene: Mireles_10 Start: 6479, Stop: 6916, Start Num: 20
Candidate Starts for Mireles_10:
(Start: 20 @6479 has 140 MA's), (85, 6674), (94, 6707), (145, 6842), (146, 6848), (149, 6857),

Gene: Mocha12_8 Start: 6128, Stop: 6511, Start Num: 20
Candidate Starts for Mocha12_8:
(Start: 20 @6128 has 140 MA's), (27, 6155), (48, 6215), (81, 6296), (85, 6308), (96, 6350), (99, 6365), (132, 6443),

Gene: MrSmee_8 Start: 5444, Stop: 5920, Start Num: 11
Candidate Starts for MrSmee_8:
(Start: 11 @5444 has 3 MA's), (37, 5573), (58, 5627), (60, 5630), (64, 5642), (70, 5663),

Gene: MurphyJoseph_10 Start: 7266, Stop: 7625, Start Num: 20
Candidate Starts for MurphyJoseph_10:
(Start: 20 @7266 has 140 MA's), (Start: 22 @7272 has 1 MA's), (23, 7278), (24, 7281), (26, 7293), (50, 7365), (81, 7425), (85, 7437), (116, 7536), (121, 7551), (145, 7611),

Gene: Nairb_10 Start: 8271, Stop: 8714, Start Num: 15
Candidate Starts for Nairb_10:
(4, 8115), (5, 8133), (8, 8211), (Start: 15 @8271 has 7 MA's), (75, 8457), (77, 8460), (83, 8472), (88, 8490), (93, 8511), (95, 8520), (101, 8541), (103, 8550),

Gene: Nandita_12 Start: 7765, Stop: 8166, Start Num: 20
Candidate Starts for Nandita_12:
(Start: 20 @7765 has 140 MA's), (75, 7933), (84, 7948), (85, 7954), (89, 7969), (103, 8023), (128, 8083), (130, 8086), (141, 8116), (143, 8122), (144, 8131),

Gene: Nergal_13 Start: 9749, Stop: 10141, Start Num: 21
Candidate Starts for Nergal_13:
(Start: 20 @9746 has 140 MA's), (Start: 21 @9749 has 2 MA's), (55, 9857), (62, 9863), (85, 9929), (87, 9935), (91, 9950),

Gene: Neroxid_8 Start: 5467, Stop: 5943, Start Num: 11
Candidate Starts for Neroxid_8:
(Start: 11 @5467 has 3 MA's), (14, 5497), (54, 5641), (64, 5665), (70, 5686), (71, 5695), (86, 5731), (90, 5746), (102, 5794), (126, 5851), (153, 5935),

Gene: Nette_10 Start: 8246, Stop: 8698, Start Num: 15
Candidate Starts for Nette_10:
(3, 8048), (Start: 15 @8246 has 7 MA's), (56, 8384), (75, 8438), (77, 8441), (83, 8453), (88, 8471), (93, 8492), (95, 8501),

Gene: Nettuno_8 Start: 6128, Stop: 6511, Start Num: 20
Candidate Starts for Nettuno_8:
(Start: 20 @6128 has 140 MA's), (27, 6155), (48, 6215), (73, 6278), (81, 6296), (85, 6308), (89, 6323), (132, 6443), (142, 6467),

Gene: Neuvillette_10 Start: 6689, Stop: 7129, Start Num: 20
Candidate Starts for Neuvillette_10:
(Start: 20 @6689 has 140 MA's), (59, 6809), (66, 6833), (85, 6887), (149, 7073),

Gene: NewKitty_11 Start: 7594, Stop: 7881, Start Num: 41
Candidate Starts for NewKitty_11:
(Start: 20 @7525 has 140 MA's), (41, 7594), (50, 7624), (83, 7687), (85, 7696), (131, 7825), (145, 7867),

Gene: Nyilah_9 Start: 7384, Stop: 7743, Start Num: 20
Candidate Starts for Nyilah_9:
(Start: 20 @7384 has 140 MA's), (23, 7396), (24, 7399), (26, 7411), (81, 7543), (85, 7555), (116, 7654), (121, 7669), (134, 7696), (145, 7729),

Gene: Ohgeesy_8 Start: 6274, Stop: 6648, Start Num: 20
Candidate Starts for Ohgeesy_8:
(Start: 20 @6274 has 140 MA's), (35, 6328), (48, 6364), (81, 6448), (85, 6460), (86, 6463), (92, 6487), (99, 6517), (121, 6574), (123, 6580), (132, 6595), (135, 6604),

Gene: Oregano_9 Start: 6263, Stop: 6646, Start Num: 20
Candidate Starts for Oregano_9:
(Start: 20 @6263 has 140 MA's), (32, 6308), (39, 6323), (45, 6341), (48, 6350), (76, 6419), (85, 6443), (99, 6500),

Gene: PantheRoc_8 Start: 6274, Stop: 6648, Start Num: 20
Candidate Starts for PantheRoc_8:

(Start: 20 @6274 has 140 MA's), (48, 6364), (81, 6448), (85, 6460), (86, 6463), (92, 6487), (99, 6517), (121, 6574), (123, 6580), (132, 6595), (135, 6604),

Gene: Persistence_9 Start: 7363, Stop: 7719, Start Num: 20
Candidate Starts for Persistence_9:
(Start: 20 @7363 has 140 MA's), (Start: 22 @7369 has 1 MA's), (23, 7375), (24, 7378), (49, 7459), (74, 7513), (84, 7528), (85, 7534), (137, 7678), (145, 7705),

Gene: PhaoMing_8 Start: 6798, Stop: 7175, Start Num: 20
Candidate Starts for PhaoMing_8:
(Start: 18 @6795 has 5 MA's), (Start: 20 @6798 has 140 MA's), (36, 6855), (52, 6897), (59, 6909), (78, 6963), (80, 6969), (81, 6972), (86, 6987), (87, 6990), (90, 7002), (100, 7038), (104, 7047), (111, 7068), (112, 7071), (147, 7149), (149, 7155),

Gene: Phrank15_9 Start: 7448, Stop: 7804, Start Num: 20
Candidate Starts for Phrank15_9:
(Start: 20 @7448 has 140 MA's), (41, 7517), (50, 7547), (53, 7553), (83, 7610), (85, 7619), (131, 7748), (145, 7790),

Gene: PhriskyACE_8 Start: 6096, Stop: 6479, Start Num: 20
Candidate Starts for PhriskyACE_8:
(Start: 20 @6096 has 140 MA's), (32, 6141), (39, 6156), (45, 6174), (48, 6183), (76, 6252), (81, 6264), (85, 6276), (99, 6333),

Gene: Pickett_8 Start: 6128, Stop: 6511, Start Num: 20
Candidate Starts for Pickett_8:
(Start: 20 @6128 has 140 MA's), (48, 6215), (81, 6296), (85, 6308), (96, 6350), (99, 6365), (132, 6443),

Gene: Popper_10 Start: 7293, Stop: 7694, Start Num: 20
Candidate Starts for Popper_10:
(Start: 20 @7293 has 140 MA's), (36, 7350), (75, 7461), (84, 7476), (85, 7482), (89, 7497), (103, 7551), (128, 7611), (143, 7650), (144, 7659),

Gene: Poushou_10 Start: 8239, Stop: 8625, Start Num: 20
Candidate Starts for Poushou_10:
(Start: 20 @8239 has 140 MA's), (44, 8320), (55, 8347), (81, 8416), (86, 8425), (111, 8506), (136, 8560),

Gene: Powerball_8 Start: 6096, Stop: 6479, Start Num: 20
Candidate Starts for Powerball_8:
(Start: 20 @6096 has 140 MA's), (32, 6141), (39, 6156), (45, 6174), (48, 6183), (81, 6264), (85, 6276), (99, 6333),

Gene: QuinnAvery_12 Start: 7780, Stop: 8181, Start Num: 20
Candidate Starts for QuinnAvery_12:
(Start: 20 @7780 has 140 MA's), (75, 7948), (84, 7963), (85, 7969), (89, 7984), (103, 8038), (128, 8098), (141, 8131), (143, 8137), (144, 8146),

Gene: RadFad_10 Start: 7292, Stop: 7648, Start Num: 20
Candidate Starts for RadFad_10:
(Start: 20 @7292 has 140 MA's), (Start: 22 @7298 has 1 MA's), (23, 7304), (24, 7307), (41, 7361), (49, 7388), (50, 7391), (81, 7451), (83, 7454), (85, 7463), (131, 7592), (137, 7607), (145, 7634),

Gene: Raphaella_10 Start: 7295, Stop: 7651, Start Num: 20
Candidate Starts for Raphaella_10:
(Start: 20 @7295 has 140 MA's), (50, 7394), (53, 7400), (85, 7466), (131, 7595), (137, 7610), (145, 7637),

Gene: Raqqa_9 Start: 6587, Stop: 7063, Start Num: 11
Candidate Starts for Raqqa_9:
(Start: 11 @6587 has 3 MA's), (33, 6704), (43, 6728), (58, 6770), (64, 6785), (113, 6944), (124, 6968),

Gene: Raya_8 Start: 5467, Stop: 5943, Start Num: 11
Candidate Starts for Raya_8:
(Start: 11 @5467 has 3 MA's), (14, 5497), (54, 5641), (64, 5665), (70, 5686), (71, 5695), (86, 5731), (90, 5746), (102, 5794), (126, 5851), (153, 5935),

Gene: Rem711_14 Start: 9778, Stop: 10167, Start Num: 16
Candidate Starts for Rem711_14:
(Start: 16 @9778 has 1 MA's), (23, 9802), (28, 9826), (47, 9877), (83, 9958), (89, 9982), (107, 10054),

Gene: Richie_10 Start: 7310, Stop: 7666, Start Num: 20
Candidate Starts for Richie_10:
(Start: 20 @7310 has 140 MA's), (41, 7379), (50, 7409), (53, 7415), (83, 7472), (85, 7481), (131, 7610), (145, 7652),

Gene: Rizz_10 Start: 6592, Stop: 6975, Start Num: 20
Candidate Starts for Rizz_10:
(Start: 20 @6592 has 140 MA's), (32, 6637), (39, 6652), (48, 6679), (76, 6748), (85, 6772), (99, 6829),

Gene: Roberts_10 Start: 6689, Stop: 7129, Start Num: 20
Candidate Starts for Roberts_10:
(Start: 20 @6689 has 140 MA's), (59, 6809), (66, 6833), (85, 6887), (149, 7073),

Gene: RonRayGun_10 Start: 8271, Stop: 8714, Start Num: 15
Candidate Starts for RonRayGun_10:
(4, 8115), (5, 8133), (8, 8211), (Start: 15 @8271 has 7 MA's), (75, 8457), (77, 8460), (83, 8472), (88, 8490), (93, 8511), (95, 8520), (101, 8541), (103, 8550),

Gene: Ryan_12 Start: 7911, Stop: 8312, Start Num: 20
Candidate Starts for Ryan_12:
(Start: 20 @7911 has 140 MA's), (75, 8079), (84, 8094), (85, 8100), (89, 8115), (103, 8169), (128, 8229), (130, 8232), (143, 8268), (144, 8277),

Gene: SPB78_9 Start: 6952, Stop: 7395, Start Num: 17
Candidate Starts for SPB78_9:
(1, 6325), (2, 6727), (7, 6838), (13, 6910), (17, 6952), (59, 7078), (86, 7159), (114, 7258), (117, 7261),

Gene: Sahara_8 Start: 6144, Stop: 6527, Start Num: 20
Candidate Starts for Sahara_8:
(Start: 20 @6144 has 140 MA's), (48, 6231), (73, 6294), (81, 6312), (85, 6324), (99, 6381), (132, 6459),

Gene: Saintcarr_11 Start: 7785, Stop: 8186, Start Num: 20
Candidate Starts for Saintcarr_11:
(Start: 20 @7785 has 140 MA's), (75, 7953), (84, 7968), (85, 7974), (89, 7989), (103, 8043), (128, 8103), (141, 8136), (143, 8142), (144, 8151),

Gene: Sakai_10 Start: 7304, Stop: 7660, Start Num: 20
Candidate Starts for Sakai_10:
(Start: 20 @7304 has 140 MA's), (41, 7373), (50, 7403), (53, 7409), (83, 7466), (85, 7475), (131, 7604), (145, 7646),

Gene: SamW_8 Start: 6443, Stop: 6847, Start Num: 19
Candidate Starts for SamW_8:
(Start: 19 @6443 has 8 MA's), (48, 6533), (72, 6590), (85, 6614), (92, 6641), (104, 6686), (110, 6704), (139, 6770),

Gene: Samman98_9 Start: 6592, Stop: 6975, Start Num: 20
Candidate Starts for Samman98_9:
(Start: 20 @6592 has 140 MA's), (32, 6637), (39, 6652), (45, 6670), (48, 6679), (76, 6748), (85, 6772), (99, 6829),

Gene: Sashimi_11 Start: 7410, Stop: 7766, Start Num: 20
Candidate Starts for Sashimi_11:
(Start: 20 @7410 has 140 MA's), (26, 7437), (53, 7515), (83, 7572), (85, 7581), (109, 7662), (131, 7710), (134, 7716), (137, 7725), (145, 7752),

Gene: Satrap_10 Start: 7247, Stop: 7603, Start Num: 20
Candidate Starts for Satrap_10:
(Start: 20 @7247 has 140 MA's), (23, 7259), (50, 7346), (74, 7397), (84, 7412), (85, 7418), (137, 7562), (145, 7589),

Gene: Savage_8 Start: 6128, Stop: 6511, Start Num: 20
Candidate Starts for Savage_8:
(Start: 20 @6128 has 140 MA's), (27, 6155), (48, 6215), (81, 6296), (85, 6308), (96, 6350), (99, 6365), (132, 6443),

Gene: Schism_12 Start: 7765, Stop: 8166, Start Num: 20
Candidate Starts for Schism_12:
(Start: 20 @7765 has 140 MA's), (75, 7933), (84, 7948), (85, 7954), (89, 7969), (103, 8023), (128, 8083), (130, 8086), (141, 8116), (143, 8122), (144, 8131),

Gene: Seahorse_11 Start: 7514, Stop: 7873, Start Num: 20
Candidate Starts for Seahorse_11:
(Start: 20 @7514 has 140 MA's), (26, 7541), (50, 7613), (81, 7673), (85, 7685), (116, 7784), (121, 7799), (145, 7859),

Gene: Sekhmet_9 Start: 6592, Stop: 6975, Start Num: 20
Candidate Starts for Sekhmet_9:
(Start: 20 @6592 has 140 MA's), (32, 6637), (39, 6652), (45, 6670), (48, 6679), (76, 6748), (85, 6772), (99, 6829),

Gene: Shlim410_8 Start: 6280, Stop: 6651, Start Num: 20
Candidate Starts for Shlim410_8:
(Start: 20 @6280 has 140 MA's), (40, 6343), (48, 6367), (64, 6403), (76, 6439), (81, 6451), (85, 6463), (86, 6466), (99, 6520), (105, 6538), (121, 6577), (123, 6583), (132, 6598), (135, 6607),

Gene: Shukran_10 Start: 7247, Stop: 7603, Start Num: 20
Candidate Starts for Shukran_10:

(Start: 20 @7247 has 140 MA's), (23, 7259), (50, 7346), (74, 7397), (84, 7412), (85, 7418), (137, 7562), (145, 7589),

Gene: Sidious_8 Start: 6277, Stop: 6648, Start Num: 20
Candidate Starts for Sidious_8:
(Start: 20 @6277 has 140 MA's), (48, 6364), (81, 6448), (85, 6460), (86, 6463), (92, 6487), (121, 6574), (123, 6580), (132, 6595), (135, 6604),

Gene: Skitty_8 Start: 5444, Stop: 5920, Start Num: 11
Candidate Starts for Skitty_8:
(Start: 11 @5444 has 3 MA's), (37, 5573), (58, 5627), (60, 5630), (64, 5642), (70, 5663),

Gene: Skyerus_8 Start: 5467, Stop: 5943, Start Num: 11
Candidate Starts for Skyerus_8:
(Start: 11 @5467 has 3 MA's), (14, 5497), (54, 5641), (64, 5665), (70, 5686), (71, 5695), (86, 5731), (90, 5746), (102, 5794), (126, 5851), (153, 5935),

Gene: SoilAssassin_8 Start: 6128, Stop: 6511, Start Num: 20
Candidate Starts for SoilAssassin_8:
(Start: 20 @6128 has 140 MA's), (48, 6215), (81, 6296), (85, 6308), (96, 6350), (99, 6365), (132, 6443),

Gene: SonDevVon_9 Start: 7297, Stop: 7653, Start Num: 20
Candidate Starts for SonDevVon_9:
(Start: 20 @7297 has 140 MA's), (41, 7366), (50, 7396), (53, 7402), (83, 7459), (85, 7468), (131, 7597), (145, 7639),

Gene: Spartoi_7 Start: 5626, Stop: 6006, Start Num: 22
Candidate Starts for Spartoi_7:
(Start: 22 @5626 has 1 MA's), (29, 5662), (38, 5683), (60, 5734), (81, 5791), (87, 5809), (93, 5833), (111, 5890), (140, 5953), (151, 5986),

Gene: SpicyFrank_10 Start: 7358, Stop: 7714, Start Num: 20
Candidate Starts for SpicyFrank_10:
(Start: 20 @7358 has 140 MA's), (41, 7427), (50, 7457), (53, 7463), (83, 7520), (85, 7529), (131, 7658), (145, 7700),

Gene: Sporco_10 Start: 7346, Stop: 7705, Start Num: 20
Candidate Starts for Sporco_10:
(Start: 20 @7346 has 140 MA's), (41, 7415), (63, 7463), (85, 7517), (116, 7616), (131, 7652), (145, 7691),

Gene: Sproutie_8 Start: 6128, Stop: 6511, Start Num: 20
Candidate Starts for Sproutie_8:
(Start: 20 @6128 has 140 MA's), (27, 6155), (48, 6215), (81, 6296), (85, 6308), (96, 6350), (99, 6365), (132, 6443),

Gene: StAB_8 Start: 6448, Stop: 6852, Start Num: 19
Candidate Starts for StAB_8:
(Start: 19 @6448 has 8 MA's), (48, 6538), (72, 6595), (85, 6619), (92, 6646), (104, 6691), (110, 6709), (139, 6775),

Gene: Stiles_8 Start: 6442, Stop: 6846, Start Num: 19
Candidate Starts for Stiles_8:

(Start: 19 @6442 has 8 MA's), (48, 6532), (72, 6589), (85, 6613), (92, 6640), (104, 6685), (110, 6703), (139, 6769),

Gene: Studio_10 Start: 6445, Stop: 6885, Start Num: 20
Candidate Starts for Studio_10:
(Start: 20 @6445 has 140 MA's), (59, 6565), (85, 6643), (122, 6754), (149, 6829),

Gene: Suerte_8 Start: 6090, Stop: 6473, Start Num: 20
Candidate Starts for Suerte_8:
(Start: 20 @6090 has 140 MA's), (32, 6135), (39, 6150), (45, 6168), (48, 6177), (76, 6246), (85, 6270), (99, 6327),

Gene: TMaxx_10 Start: 6580, Stop: 7008, Start Num: 20
Candidate Starts for TMaxx_10:
(Start: 20 @6580 has 140 MA's), (79, 6757), (85, 6775), (149, 6961),

Gene: ThayneTheZag_10 Start: 7332, Stop: 7688, Start Num: 20
Candidate Starts for ThayneTheZag_10:
(Start: 20 @7332 has 140 MA's), (49, 7428), (50, 7431), (53, 7437), (83, 7494), (85, 7503), (131, 7632), (145, 7674),

Gene: Thimann_9 Start: 6592, Stop: 6975, Start Num: 20
Candidate Starts for Thimann_9:
(Start: 20 @6592 has 140 MA's), (32, 6637), (39, 6652), (45, 6670), (48, 6679), (76, 6748), (85, 6772), (99, 6829),

Gene: Tiff81_11 Start: 7472, Stop: 7831, Start Num: 20
Candidate Starts for Tiff81_11:
(Start: 20 @7472 has 140 MA's), (23, 7484), (24, 7487), (26, 7499), (81, 7631), (85, 7643), (116, 7742), (121, 7757), (134, 7784), (145, 7817),

Gene: ToastyOats_13 Start: 8134, Stop: 8535, Start Num: 20
Candidate Starts for ToastyOats_13:
(Start: 20 @8134 has 140 MA's), (36, 8191), (75, 8302), (84, 8317), (85, 8323), (89, 8338), (103, 8392), (128, 8452), (143, 8491), (144, 8500),

Gene: Toodles_11 Start: 7863, Stop: 8264, Start Num: 20
Candidate Starts for Toodles_11:
(Start: 20 @7863 has 140 MA's), (75, 8031), (84, 8046), (85, 8052), (103, 8121), (128, 8181), (143, 8220), (144, 8229),

Gene: TouchMeNot_10 Start: 8239, Stop: 8625, Start Num: 20
Candidate Starts for TouchMeNot_10:
(Start: 20 @8239 has 140 MA's), (44, 8320), (55, 8347), (81, 8416), (86, 8425), (111, 8506), (136, 8560),

Gene: TripleC_13 Start: 10062, Stop: 10502, Start Num: 20
Candidate Starts for TripleC_13:
(Start: 20 @10062 has 140 MA's), (79, 10239), (85, 10257), (131, 10386), (149, 10443),

Gene: Troy_8 Start: 6443, Stop: 6847, Start Num: 19
Candidate Starts for Troy_8:

(Start: 19 @6443 has 8 MA's), (48, 6533), (72, 6590), (85, 6614), (92, 6641), (104, 6686), (110, 6704), (139, 6770),

Gene: TuertoX_8 Start: 6128, Stop: 6511, Start Num: 20
Candidate Starts for TuertoX_8:
(Start: 20 @6128 has 140 MA's), (27, 6155), (48, 6215), (81, 6296), (85, 6308), (96, 6350), (99, 6365), (132, 6443),

Gene: Tuti_9 Start: 6592, Stop: 6975, Start Num: 20
Candidate Starts for Tuti_9:
(Start: 20 @6592 has 140 MA's), (32, 6637), (39, 6652), (48, 6679), (76, 6748), (85, 6772), (99, 6829),

Gene: Twinkle_8 Start: 6280, Stop: 6651, Start Num: 20
Candidate Starts for Twinkle_8:
(Start: 20 @6280 has 140 MA's), (40, 6343), (48, 6367), (64, 6403), (76, 6439), (81, 6451), (85, 6463), (86, 6466), (99, 6520), (105, 6538), (121, 6577), (123, 6583), (132, 6598), (135, 6607),

Gene: VWB_8 Start: 7039, Stop: 7449, Start Num: 23
Candidate Starts for VWB_8:
(23, 7039), (59, 7153), (81, 7219), (83, 7222), (86, 7234),

Gene: Vopal_11 Start: 7436, Stop: 7723, Start Num: 41
Candidate Starts for Vopal_11:
(Start: 20 @7367 has 140 MA's), (41, 7436), (50, 7466), (53, 7472), (83, 7529), (85, 7538), (131, 7667), (145, 7709),

Gene: Whiteclaw_8 Start: 6128, Stop: 6511, Start Num: 20
Candidate Starts for Whiteclaw_8:
(Start: 20 @6128 has 140 MA's), (27, 6155), (48, 6215), (81, 6296), (85, 6308), (96, 6350), (99, 6365), (132, 6443),

Gene: Whitty_10 Start: 8271, Stop: 8714, Start Num: 15
Candidate Starts for Whitty_10:
(4, 8115), (5, 8133), (8, 8211), (Start: 15 @8271 has 7 MA's), (75, 8457), (77, 8460), (83, 8472), (88, 8490), (93, 8511), (95, 8520), (101, 8541), (103, 8550),

Gene: Windest_11 Start: 7352, Stop: 7708, Start Num: 20
Candidate Starts for Windest_11:
(Start: 20 @7352 has 140 MA's), (50, 7451), (53, 7457), (85, 7523), (131, 7652), (137, 7667), (145, 7694),

Gene: WinkNick_9 Start: 6592, Stop: 6975, Start Num: 20
Candidate Starts for WinkNick_9:
(Start: 20 @6592 has 140 MA's), (32, 6637), (39, 6652), (45, 6670), (48, 6679), (76, 6748), (85, 6772), (99, 6829),

Gene: Yeet412_8 Start: 6128, Stop: 6511, Start Num: 20
Candidate Starts for Yeet412_8:
(Start: 20 @6128 has 140 MA's), (48, 6215), (81, 6296), (85, 6308), (96, 6350), (99, 6365), (132, 6443),

Gene: Yeezy_8 Start: 6274, Stop: 6645, Start Num: 20
Candidate Starts for Yeezy_8:

(Start: 20 @6274 has 140 MA's), (48, 6361), (81, 6445), (85, 6457), (86, 6460), (92, 6484), (99, 6514), (121, 6571), (123, 6577), (132, 6592), (135, 6601),

Gene: Yonex_12 Start: 7911, Stop: 8312, Start Num: 20
Candidate Starts for Yonex_12:
(Start: 20 @7911 has 140 MA's), (75, 8079), (84, 8094), (85, 8100), (89, 8115), (103, 8169), (128, 8229), (130, 8232), (143, 8268), (144, 8277),

Gene: YoungHarleezy_10 Start: 7308, Stop: 7664, Start Num: 20
Candidate Starts for YoungHarleezy_10:
(Start: 20 @7308 has 140 MA's), (41, 7377), (50, 7407), (53, 7413), (83, 7470), (85, 7479), (131, 7608), (145, 7650),

Gene: Zaheer_12 Start: 8000, Stop: 8401, Start Num: 20
Candidate Starts for Zaheer_12:
(Start: 20 @8000 has 140 MA's), (75, 8168), (84, 8183), (85, 8189), (89, 8204), (103, 8258), (128, 8318), (141, 8351), (143, 8357), (144, 8366),

Gene: ZenTime222_10 Start: 8271, Stop: 8714, Start Num: 15
Candidate Starts for ZenTime222_10:
(4, 8115), (5, 8133), (8, 8211), (Start: 15 @8271 has 7 MA's), (75, 8457), (77, 8460), (83, 8472), (88, 8490), (93, 8511), (95, 8520), (101, 8541), (103, 8550),

Gene: Zucker_10 Start: 7035, Stop: 7439, Start Num: 18
Candidate Starts for Zucker_10:
(Start: 18 @7035 has 5 MA's), (68, 7188), (69, 7191), (71, 7203), (86, 7239), (87, 7242), (108, 7323), (118, 7335), (125, 7356), (136, 7383),