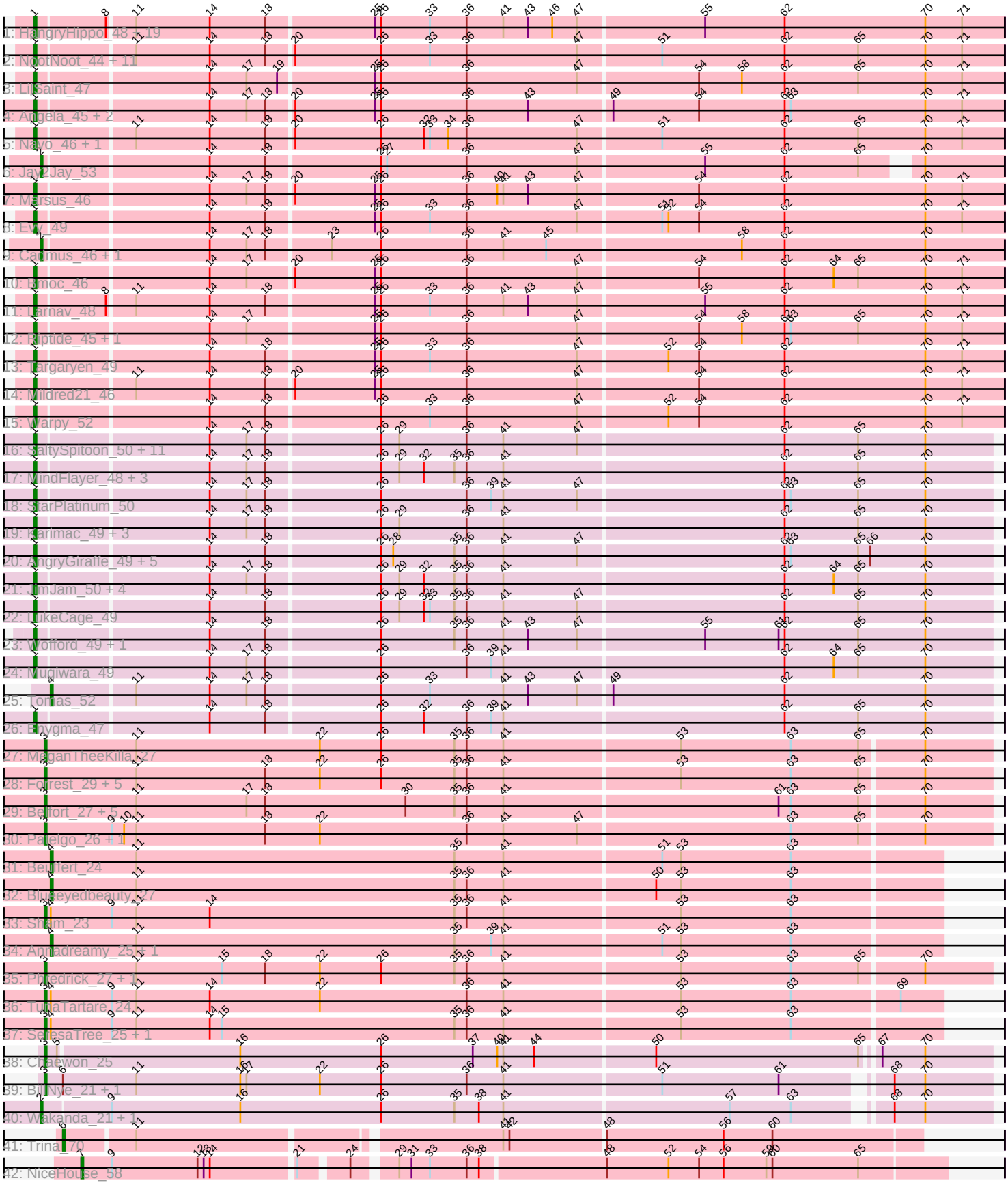
Pham 336539


1: HangryHippo_48 + 19
2: NootNoot_44 + 11
3: LilSaint_47
4: Angela_45 + 2
5: Navo_46 + 1
6: Ja12Jay_53
7: Marsus_46
8: EW_49
9: Cadmus_46 + 1
10: Bmoc_46
11: Darnav_48
12: Riptide_45 + 1
13: Targaryen_49
14: Mildred21_46
15: Warpy_52
16: SaltySpitoon_50 + 11
17: MindFlayer_48 + 3
18: StarPlatinum_50
19: Karimac_49 + 3
20: AngryGiraffe_49 + 5
21: JimJam_50 + 4
22: LukeCage_49
23: Wofford_49 + 1
24: Nagiwara_49
25: Tomas_52
26: Baygma_47
27: MeganTheeKilla_27
28: Forrest_29 + 5
29: Belfort_27 + 5
30: Patelgo_26 + 1
31: Bellfert_24
32: Blueeyedbeauty_27
33: Sham_23
34: Annadreamy_25 + 1
35: Phaedrick_27 + 1
36: TutaTartare_24
37: SeresaTree_25 + 1
38: Chaewon_25
39: BillNye_21 + 1
40: Wakanda_21 + 1
41: Trina_70
42: NiceHouse_58

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 336539 Report

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

Pham number 336539 has 120 members, 6 are drafts.

Phages represented in each track:
• Track 1 : HangryHippo_48, Pepperwood_48, Coogler_48, Tribute_46, Teutsch_48, Peebs_47, Sushi23_48, EGole_49, Cross_48, BlueOtter_48, WashU_48, PacManQ_47, Scheme_49, Watermoore_48, Lululemon_47, Samisti12_48, Shuckle_46, ArianaSWT_48, Cursive_46, Leo04_49
• Track 2 : NootNoot_44, Liandry_47, Eliot67_45, Persimmon_44, Squillium_47, Davielle_45, PinkiePie_46, FreddyDRoo_46, Braelyn_47, PynkPanther_46, WhereRU_45, Paradiddles_44
• Track 3 : LilSaint_47
• Track 4 : Angela_45, MulchMansion_45, LilMartin_45
• Track 5 : Navo_46, Bartholomune_46
• Track 6 : Jay2Jay_53
• Track 7 : Marsus_46
• Track 8 : Evy_49
• Track 9 : Cadmus_46, Daubenski_49
• Track 10 : Bmoc_46
• Track 11 : Larnav_48
• Track 12 : Riptide_45, Anedea_46
• Track 13 : Targaryen_49
• Track 14 : Mildred21_46
• Track 15 : Warpy_52
• Track 16 : SaltySpitoon_50, AcciDwight_54, Jollison_49, TomSawyer_48, Amabiko_50, Wipeout_48, Bordeaux_48, Birchlyn_47, Starbow_48, Quaran19_50, Spelly_50, Battuta_48
• Track 17 : MindFlayer_48, Daisy123_49, Tuesday_54, PumpkinSpice_49
• Track 18 : StarPlatinum_50
• Track 19 : Karimac_49, Brizzy_49, IchabodCrane_47, Spilled_51
• Track 20 : AngryGiraffe_49, Stanimal_50, Genie2_50, BoomerJR_50, Sollertia_50, Yaboi_50
• Track 21 : JimJam_50, Rikishi_50, KentuckyRacer_50, CeilingFan_49, Gibbi_54
• Track 22 : LukeCage_49
• Track 23 : Wofford_49, Elmer_52
• Track 24 : Mugiwara_49
• Track 25 : Tomas_52
• Track 26 : Enygma_47
• Track 27 : MeganTheeKilla_27
• Track 28 : Forrest_29, Jada_27, DeluluLabubu_27, Gilson_29, Maupel_29, Emma1919_29

• Track 29 : Belfort_27, Stigma_26, Comrade_26, SparkleGoddess_26, Westy_26, Karp_25
• Track 30 : Patelgo_26, Moab_26
• Track 31 : Beuffert_24
• Track 32 : Blueeyedbeauty_27
• Track 33 : Sham_23
• Track 34 : Annadreamy_25, Limpid_25
• Track 35 : Phredrick_27, Kenrey_29
• Track 36 : TunaTartare_24
• Track 37 : SeresaTree_25, Faust_25
• Track 38 : Chaewon_25
• Track 39 : BillNye_21, Circinus_23
• Track 40 : Wakanda_21, Muntaha_21
• Track 41 : Trina_70
• Track 42 : NiceHouse_58

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

The start number called the most often in the published annotations is 1, it was called in 80 of the 114 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AcciDwight_54, Amabiko_50, Anedea_46, Angela_45, AngryGiraffe_49, ArianaSWT_48, Bartholomune_46, Battuta_48, Birchlyn_47, BlueOtter_48, Bmoc_46, BoomerJR_50, Bordeaux_48, Braelyn_47, Brizzy_49, CeilingFan_49, Coogler_48, Cross_48, Cursive_46, Daisy123_49, Davielle_45, EGole_49, Eliot67_45, Elmer_52, Enygma_47, Evy_49, FreddyDRoo_46, Genie2_50, Gibbi_54, HangryHippo_48, IchabodCrane_47, JimJam_50, Jollison_49, Karimac_49, KentuckyRacer_50, Larnav_48, Leo04_49, Liandry_47, LilMartin_45, LilSaint_47, LukeCage_49, Lululemon_47, Marsus_46, Mildred21_46, MindFlayer_48, Mugiwara_49, MulchMansion_45, Navo_46, NootNoot_44, PacManQ_47, Paradiddles_44, Peebs_47, Pepperwood_48, Persimmon_44, PinkiePie_46, PumpkinSpice_49, PynkPanther_46, Quaran19_50, Rikishi_50, Riptide_45, SaltySpitoon_50, Samisti12_48, Scheme_49, Shuckle_46, Sollertia_50, Spelly_50, Spilled_51, Squillium_47, Stanimal_50, StarPlatinum_50, Starbow_48, Sushi23_48, Targaryen_49, Teutsch_48, TomSawyer_48, Tribute_46, Tuesday_54, Warpy_52, WashU_48, Watermoore_48, WhereRU_45, Wipeout_48, Wofford_49, Yaboi_50,

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

Genes that do not have the "Most Annotated" start:
• Annadreamy_25, Belfort_27, Beuffert_24, BillNye_21, Blueeyedbeauty_27, Cadmus_46, Chaewon_25, Circinus_23, Comrade_26, Daubenski_49, DeluluLabubu_27, Emma1919_29, Faust_25, Forrest_29, Gilson_29, Jada_27, Jay2Jay_53, Karp_25, Kenrey_29, Limpid_25, Maupel_29, MeganTheeKilla_27, Moab_26, Muntaha_21, NiceHouse_58, Patelgo_26, Phredrick_27, SeresaTree_25, Sham_23, SparkleGoddess_26, Stigma_26, Tomas_52, Trina_70, TunaTartare_24, Wakanda_21, Westy_26,

Summary by start number:

Start 1:
• Found in 84 of 120 (70.0%) of genes in pham
• Manual Annotations of this start: 80 of 114
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AcciDwight_54 (BE2), Amabiko_50 (BE2), Anedea_46 (BE1), Angela_45 (BE1), AngryGiraffe_49 (BE2), ArianaSWT_48 (BE1), Bartholomune_46 (BE1), Battuta_48 (BE2), Birchlyn_47 (BE2), BlueOtter_48 (BE1), Bmoc_46 (BE1), BoomerJR_50 (BE2), Bordeaux_48 (BE2), Braelyn_47 (BE1), Brizzy_49 (BE2), CeilingFan_49 (BE2), Coogler_48 (BE1), Cross_48 (BE1), Cursive_46 (BE1), Daisy123_49 (BE2), Davielle_45 (BE1), EGole_49 (BE1), Eliot67_45 (BE1), Elmer_52 (BE2), Enygma_47 (BE2), Evy_49 (BE1), FreddyDRoo_46 (BE1), Genie2_50 (BE2), Gibbi_54 (BE2), HangryHippo_48 (BE1), IchabodCrane_47 (BE2), JimJam_50 (BE2), Jollison_49 (BE2), Karimac_49 (BE2), KentuckyRacer_50 (BE2), Larnav_48 (BE1), Leo04_49 (BE1), Liandry_47 (BE1), LilMartin_45 (BE1), LilSaint_47 (BE1), LukeCage_49 (BE2), Lululemon_47 (BE1), Marsus_46 (BE1), Mildred21_46 (BE1), MindFlayer_48 (BE2), Mugiwara_49 (BE2), MulchMansion_45 (BE1), Navo_46 (BE1), NootNoot_44 (BE1), PacManQ_47 (BE1), Paradiddles_44 (BE1), Peebs_47 (BE1), Pepperwood_48 (BE1), Persimmon_44 (BE1), PinkiePie_46 (BE1), PumpkinSpice_49 (BE2), PynkPanther_46 (BE1), Quaran19_50 (BE2), Rikishi_50 (BE2), Riptide_45 (BE1), SaltySpitoon_50 (BE2), Samisti12_48 (BE1), Scheme_49 (BE1), Shuckle_46 (BE1), Sollertia_50 (BE2), Spelly_50 (BE2), Spilled_51 (BE2), Squillium_47 (BE1), Stanimal_50 (BE2), StarPlatinum_50 (BE2), Starbow_48 (BE2), Sushi23_48 (BE1), Targaryen_49 (BE1), Teutsch_48 (BE1), TomSawyer_48 (BE2), Tribute_46 (BE1), Tuesday_54 (BE2), Warpy_52 (BE1), WashU_48 (BE1), Watermoore_48 (BE1), WhereRU_45 (BE1), Wipeout_48 (BE2), Wofford_49 (BE2), Yaboi_50 (BE2),

Start 2:
• Found in 5 of 120 (4.2%) of genes in pham
• Manual Annotations of this start: 5 of 114
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cadmus_46 (BE1), Daubenski_49 (BE1), Jay2Jay_53 (BE1), Muntaha_21 (BK2), Wakanda_21 (BK2),

Start 3:
• Found in 24 of 120 (20.0%) of genes in pham
• Manual Annotations of this start: 22 of 114
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Belfort_27 (BK1), BillNye_21 (BK2), Chaewon_25 (BK2), Circinus_23 (BK2), Comrade_26 (BK1), DeluluLabubu_27 (BK1), Emma1919_29 (BK1), Faust_25 (BK1), Forrest_29 (BK1), Gilson_29 (BK1), Jada_27 (BK1), Karp_25 (BK1), Kenrey_29 (BK1), Maupel_29 (BK1), MeganTheeKilla_27 (BK1), Moab_26 (BK1), Patelgo_26 (BK1), Phredrick_27 (BK1), SeresaTree_25 (BK1), Sham_23 (BK1), SparkleGoddess_26 (BK1), Stigma_26 (BK1), TunaTartare_24 (BK1), Westy_26 (BK1),

Start 4:
• Found in 9 of 120 (7.5%) of genes in pham
• Manual Annotations of this start: 5 of 114
• Called 55.6% of time when present

• Phage (with cluster) where this start called: Annadreamy_25 (BK1), Beuffert_24 (BK1), Blueeyedbeauty_27 (BK1), Limpid_25 (BK1), Tomas_52 (BE2),

Start 6:
• Found in 3 of 120 (2.5%) of genes in pham
• Manual Annotations of this start: 1 of 114
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Trina_70 (CE),

Start 7:
• Found in 1 of 120 (0.8%) of genes in pham
• Manual Annotations of this start: 1 of 114
• Called 100.0% of time when present
• Phage (with cluster) where this start called: NiceHouse_58 (CE),

Summary by clusters:

There are 5 clusters represented in this pham: BE2, BE1, CE, BK1, BK2,

Info for manual annotations of cluster BE1:
•Start number 1 was manually annotated 46 times for cluster BE1.
•Start number 2 was manually annotated 3 times for cluster BE1.

Info for manual annotations of cluster BE2:
•Start number 1 was manually annotated 34 times for cluster BE2.
•Start number 4 was manually annotated 1 time for cluster BE2.

Info for manual annotations of cluster BK1:
•Start number 3 was manually annotated 19 times for cluster BK1.
•Start number 4 was manually annotated 4 times for cluster BK1.

Info for manual annotations of cluster BK2:
•Start number 2 was manually annotated 2 times for cluster BK2.
•Start number 3 was manually annotated 3 times for cluster BK2.

Info for manual annotations of cluster CE:
•Start number 6 was manually annotated 1 time for cluster CE.
•Start number 7 was manually annotated 1 time for cluster CE.

Gene Information:

Gene: AcciDwight_54 Start: 26237, Stop: 26695, Start Num: 1
Candidate Starts for AcciDwight_54:
(Start: 1 @26237 has 80 MA's), (14, 26318), (17, 26336), (18, 26345), (26, 26399), (29, 26408), (36, 26441), (41, 26459), (47, 26495), (62, 26594), (65, 26630), (70, 26663),

Gene: Amabiko_50 Start: 26282, Stop: 26740, Start Num: 1
Candidate Starts for Amabiko_50:
(Start: 1 @26282 has 80 MA's), (14, 26363), (17, 26381), (18, 26390), (26, 26444), (29, 26453), (36, 26486), (41, 26504), (47, 26540), (62, 26639), (65, 26675), (70, 26708),

Gene: Anedea_46 Start: 25815, Stop: 26279, Start Num: 1
Candidate Starts for Anedea_46:
(Start: 1 @25815 has 80 MA's), (14, 25896), (17, 25914), (25, 25974), (26, 25977), (36, 26019), (47, 26073), (54, 26130), (58, 26151), (62, 26172), (63, 26175), (65, 26208), (70, 26241), (71, 26259),

Gene: Angela_45 Start: 25295, Stop: 25759, Start Num: 1
Candidate Starts for Angela_45:
(Start: 1 @25295 has 80 MA's), (14, 25376), (17, 25394), (18, 25403), (20, 25415), (25, 25454), (26, 25457), (36, 25499), (43, 25529), (49, 25568), (54, 25610), (62, 25652), (63, 25655), (70, 25721), (71, 25739),

Gene: AngryGiraffe_49 Start: 26248, Stop: 26706, Start Num: 1
Candidate Starts for AngryGiraffe_49:
(Start: 1 @26248 has 80 MA's), (14, 26329), (18, 26356), (26, 26410), (28, 26416), (35, 26446), (36, 26452), (41, 26470), (47, 26506), (62, 26605), (63, 26608), (65, 26641), (66, 26647), (70, 26674),

Gene: Annadreamy_25 Start: 14698, Stop: 15129, Start Num: 4
Candidate Starts for Annadreamy_25:
(Start: 4 @14698 has 5 MA's), (11, 14740), (35, 14896), (39, 14914), (41, 14920), (51, 14995), (53, 15004), (63, 15058),

Gene: ArianaSWT_48 Start: 26907, Stop: 27371, Start Num: 1
Candidate Starts for ArianaSWT_48:
(Start: 1 @26907 has 80 MA's), (8, 26940), (11, 26952), (14, 26988), (18, 27015), (25, 27066), (26, 27069), (33, 27093), (36, 27111), (41, 27129), (43, 27141), (46, 27153), (47, 27165), (55, 27225), (62, 27264), (70, 27333), (71, 27351),

Gene: Bartholomune_46 Start: 25592, Stop: 26056, Start Num: 1
Candidate Starts for Bartholomune_46:
(Start: 1 @25592 has 80 MA's), (11, 25637), (14, 25673), (18, 25700), (20, 25712), (26, 25754), (32, 25775), (33, 25778), (34, 25787), (36, 25796), (47, 25850), (51, 25889), (62, 25949), (65, 25985), (70, 26018), (71, 26036),

Gene: Battuta_48 Start: 26256, Stop: 26714, Start Num: 1
Candidate Starts for Battuta_48:
(Start: 1 @26256 has 80 MA's), (14, 26337), (17, 26355), (18, 26364), (26, 26418), (29, 26427), (36, 26460), (41, 26478), (47, 26514), (62, 26613), (65, 26649), (70, 26682),

Gene: Belfort_27 Start: 15390, Stop: 15848, Start Num: 3
Candidate Starts for Belfort_27:
(Start: 3 @15390 has 22 MA's), (11, 15435), (17, 15489), (18, 15498), (30, 15567), (35, 15591), (36, 15597), (41, 15615), (61, 15747), (63, 15753), (65, 15786), (70, 15816),

Gene: Beuffert_24 Start: 14382, Stop: 14813, Start Num: 4
Candidate Starts for Beuffert_24:
(Start: 4 @14382 has 5 MA's), (11, 14424), (35, 14580), (41, 14604), (51, 14679), (53, 14688), (63, 14742),

Gene: BillNye_21 Start: 15104, Stop: 15553, Start Num: 3
Candidate Starts for BillNye_21:
(Start: 3 @15104 has 22 MA's), (Start: 6 @15113 has 1 MA's), (11, 15149), (16, 15200), (17, 15203), (22, 15239), (26, 15269), (36, 15311), (41, 15329), (51, 15404), (61, 15461), (68, 15506), (70, 15521),

Gene: Birchlyn_47 Start: 24139, Stop: 24597, Start Num: 1
Candidate Starts for Birchlyn_47:
(Start: 1 @24139 has 80 MA's), (14, 24220), (17, 24238), (18, 24247), (26, 24301), (29, 24310), (36, 24343), (41, 24361), (47, 24397), (62, 24496), (65, 24532), (70, 24565),

Gene: BlueOtter_48 Start: 26945, Stop: 27409, Start Num: 1
Candidate Starts for BlueOtter_48:
(Start: 1 @26945 has 80 MA's), (8, 26978), (11, 26990), (14, 27026), (18, 27053), (25, 27104), (26, 27107), (33, 27131), (36, 27149), (41, 27167), (43, 27179), (46, 27191), (47, 27203), (55, 27263), (62, 27302), (70, 27371), (71, 27389),

Gene: Blueeyedbeauty_27 Start: 15192, Stop: 15623, Start Num: 4
Candidate Starts for Blueeyedbeauty_27:
(Start: 4 @15192 has 5 MA's), (11, 15234), (35, 15390), (36, 15396), (41, 15414), (50, 15486), (53, 15498), (63, 15552),

Gene: Bmoc_46 Start: 25600, Stop: 26064, Start Num: 1
Candidate Starts for Bmoc_46:
(Start: 1 @25600 has 80 MA's), (14, 25681), (17, 25699), (20, 25720), (25, 25759), (26, 25762), (36, 25804), (47, 25858), (54, 25915), (62, 25957), (64, 25981), (65, 25993), (70, 26026), (71, 26044),

Gene: BoomerJR_50 Start: 26137, Stop: 26595, Start Num: 1
Candidate Starts for BoomerJR_50:
(Start: 1 @26137 has 80 MA's), (14, 26218), (18, 26245), (26, 26299), (28, 26305), (35, 26335), (36, 26341), (41, 26359), (47, 26395), (62, 26494), (63, 26497), (65, 26530), (66, 26536), (70, 26563),

Gene: Bordeaux_48 Start: 26411, Stop: 26869, Start Num: 1
Candidate Starts for Bordeaux_48:
(Start: 1 @26411 has 80 MA's), (14, 26492), (17, 26510), (18, 26519), (26, 26573), (29, 26582), (36, 26615), (41, 26633), (47, 26669), (62, 26768), (65, 26804), (70, 26837),

Gene: Braelyn_47 Start: 26359, Stop: 26823, Start Num: 1
Candidate Starts for Braelyn_47:
(Start: 1 @26359 has 80 MA's), (11, 26404), (14, 26440), (18, 26467), (20, 26479), (26, 26521), (33, 26545), (36, 26563), (47, 26617), (51, 26656), (62, 26716), (65, 26752), (70, 26785), (71, 26803),

Gene: Brizzy_49 Start: 25930, Stop: 26388, Start Num: 1
Candidate Starts for Brizzy_49:
(Start: 1 @25930 has 80 MA's), (14, 26011), (17, 26029), (18, 26038), (26, 26092), (29, 26101), (36, 26134), (41, 26152), (62, 26287), (65, 26323), (70, 26356),

Gene: Cadmus_46 Start: 25939, Stop: 26400, Start Num: 2
Candidate Starts for Cadmus_46:
(Start: 2 @25939 has 5 MA's), (14, 26017), (17, 26035), (18, 26044), (23, 26074), (26, 26098), (36, 26140), (41, 26158), (45, 26179), (58, 26272), (62, 26293), (70, 26362),

Gene: CeilingFan_49 Start: 26171, Stop: 26629, Start Num: 1
Candidate Starts for CeilingFan_49:
(Start: 1 @26171 has 80 MA's), (14, 26252), (17, 26270), (18, 26279), (26, 26333), (29, 26342), (32, 26354), (35, 26369), (36, 26375), (41, 26393), (62, 26528), (64, 26552), (65, 26564), (70, 26597),

Gene: Chaewon_25 Start: 14882, Stop: 15334, Start Num: 3
Candidate Starts for Chaewon_25:

(Start: 3 @14882 has 22 MA's), (5, 14888), (16, 14975), (26, 15044), (37, 15089), (40, 15101), (41, 15104), (44, 15119), (50, 15176), (65, 15275), (67, 15281), (70, 15302),

Gene: Circinus_23 Start: 15240, Stop: 15689, Start Num: 3
Candidate Starts for Circinus_23:
(Start: 3 @15240 has 22 MA's), (Start: 6 @15249 has 1 MA's), (11, 15285), (16, 15336), (17, 15339), (22, 15375), (26, 15405), (36, 15447), (41, 15465), (51, 15540), (61, 15597), (68, 15642), (70, 15657),

Gene: Comrade_26 Start: 15005, Stop: 15463, Start Num: 3
Candidate Starts for Comrade_26:
(Start: 3 @15005 has 22 MA's), (11, 15050), (17, 15104), (18, 15113), (30, 15182), (35, 15206), (36, 15212), (41, 15230), (61, 15362), (63, 15368), (65, 15401), (70, 15431),

Gene: Coogler_48 Start: 26971, Stop: 27435, Start Num: 1
Candidate Starts for Coogler_48:
(Start: 1 @26971 has 80 MA's), (8, 27004), (11, 27016), (14, 27052), (18, 27079), (25, 27130), (26, 27133), (33, 27157), (36, 27175), (41, 27193), (43, 27205), (46, 27217), (47, 27229), (55, 27289), (62, 27328), (70, 27397), (71, 27415),

Gene: Cross_48 Start: 26946, Stop: 27410, Start Num: 1
Candidate Starts for Cross_48:
(Start: 1 @26946 has 80 MA's), (8, 26979), (11, 26991), (14, 27027), (18, 27054), (25, 27105), (26, 27108), (33, 27132), (36, 27150), (41, 27168), (43, 27180), (46, 27192), (47, 27204), (55, 27264), (62, 27303), (70, 27372), (71, 27390),

Gene: Cursive_46 Start: 26471, Stop: 26935, Start Num: 1
Candidate Starts for Cursive_46:
(Start: 1 @26471 has 80 MA's), (8, 26504), (11, 26516), (14, 26552), (18, 26579), (25, 26630), (26, 26633), (33, 26657), (36, 26675), (41, 26693), (43, 26705), (46, 26717), (47, 26729), (55, 26789), (62, 26828), (70, 26897), (71, 26915),

Gene: Daisy123_49 Start: 26030, Stop: 26488, Start Num: 1
Candidate Starts for Daisy123_49:
(Start: 1 @26030 has 80 MA's), (14, 26111), (17, 26129), (18, 26138), (26, 26192), (29, 26201), (32, 26213), (35, 26228), (36, 26234), (41, 26252), (62, 26387), (65, 26423), (70, 26456),

Gene: Daubenski_49 Start: 26703, Stop: 27164, Start Num: 2
Candidate Starts for Daubenski_49:
(Start: 2 @26703 has 5 MA's), (14, 26781), (17, 26799), (18, 26808), (23, 26838), (26, 26862), (36, 26904), (41, 26922), (45, 26943), (58, 27036), (62, 27057), (70, 27126),

Gene: Davielle_45 Start: 25776, Stop: 26240, Start Num: 1
Candidate Starts for Davielle_45:
(Start: 1 @25776 has 80 MA's), (11, 25821), (14, 25857), (18, 25884), (20, 25896), (26, 25938), (33, 25962), (36, 25980), (47, 26034), (51, 26073), (62, 26133), (65, 26169), (70, 26202), (71, 26220),

Gene: DeluluLabubu_27 Start: 14915, Stop: 15373, Start Num: 3
Candidate Starts for DeluluLabubu_27:
(Start: 3 @14915 has 22 MA's), (11, 14960), (18, 15023), (22, 15050), (26, 15080), (35, 15116), (36, 15122), (41, 15140), (53, 15224), (63, 15278), (65, 15311), (70, 15341),

Gene: EGole_49 Start: 27850, Stop: 28314, Start Num: 1
Candidate Starts for EGole_49:

(Start: 1 @27850 has 80 MA's), (8, 27883), (11, 27895), (14, 27931), (18, 27958), (25, 28009), (26, 28012), (33, 28036), (36, 28054), (41, 28072), (43, 28084), (46, 28096), (47, 28108), (55, 28168), (62, 28207), (70, 28276), (71, 28294),

Gene: Eliot67_45 Start: 25589, Stop: 26053, Start Num: 1
Candidate Starts for Eliot67_45:
(Start: 1 @25589 has 80 MA's), (11, 25634), (14, 25670), (18, 25697), (20, 25709), (26, 25751), (33, 25775), (36, 25793), (47, 25847), (51, 25886), (62, 25946), (65, 25982), (70, 26015), (71, 26033),

Gene: Elmer_52 Start: 27319, Stop: 27777, Start Num: 1
Candidate Starts for Elmer_52:
(Start: 1 @27319 has 80 MA's), (14, 27400), (18, 27427), (26, 27481), (35, 27517), (36, 27523), (41, 27541), (43, 27553), (47, 27577), (55, 27637), (61, 27673), (62, 27676), (65, 27712), (70, 27745),

Gene: Emma1919_29 Start: 15610, Stop: 16068, Start Num: 3
Candidate Starts for Emma1919_29:
(Start: 3 @15610 has 22 MA's), (11, 15655), (18, 15718), (22, 15745), (26, 15775), (35, 15811), (36, 15817), (41, 15835), (53, 15919), (63, 15973), (65, 16006), (70, 16036),

Gene: Enygma_47 Start: 26232, Stop: 26690, Start Num: 1
Candidate Starts for Enygma_47:
(Start: 1 @26232 has 80 MA's), (14, 26313), (18, 26340), (26, 26394), (32, 26415), (36, 26436), (39, 26448), (41, 26454), (62, 26589), (65, 26625), (70, 26658),

Gene: Evy_49 Start: 26954, Stop: 27418, Start Num: 1
Candidate Starts for Evy_49:
(Start: 1 @26954 has 80 MA's), (14, 27035), (18, 27062), (25, 27113), (26, 27116), (33, 27140), (36, 27158), (47, 27212), (51, 27251), (52, 27254), (54, 27269), (62, 27311), (70, 27380), (71, 27398),

Gene: Faust_25 Start: 14850, Stop: 15284, Start Num: 3
Candidate Starts for Faust_25:
(Start: 3 @14850 has 22 MA's), (Start: 4 @14853 has 5 MA's), (9, 14883), (11, 14895), (14, 14931), (15, 14937), (35, 15051), (36, 15057), (41, 15075), (53, 15159), (63, 15213),

Gene: Forrest_29 Start: 15733, Stop: 16191, Start Num: 3
Candidate Starts for Forrest_29:
(Start: 3 @15733 has 22 MA's), (11, 15778), (18, 15841), (22, 15868), (26, 15898), (35, 15934), (36, 15940), (41, 15958), (53, 16042), (63, 16096), (65, 16129), (70, 16159),

Gene: FreddyDRoo_46 Start: 25589, Stop: 26053, Start Num: 1
Candidate Starts for FreddyDRoo_46:
(Start: 1 @25589 has 80 MA's), (11, 25634), (14, 25670), (18, 25697), (20, 25709), (26, 25751), (33, 25775), (36, 25793), (47, 25847), (51, 25886), (62, 25946), (65, 25982), (70, 26015), (71, 26033),

Gene: Genie2_50 Start: 26251, Stop: 26709, Start Num: 1
Candidate Starts for Genie2_50:
(Start: 1 @26251 has 80 MA's), (14, 26332), (18, 26359), (26, 26413), (28, 26419), (35, 26449), (36, 26455), (41, 26473), (47, 26509), (62, 26608), (63, 26611), (65, 26644), (66, 26650), (70, 26677),

Gene: Gibbi_54 Start: 26394, Stop: 26852, Start Num: 1
Candidate Starts for Gibbi_54:
(Start: 1 @26394 has 80 MA's), (14, 26475), (17, 26493), (18, 26502), (26, 26556), (29, 26565), (32, 26577), (35, 26592), (36, 26598), (41, 26616), (62, 26751), (64, 26775), (65, 26787), (70, 26820),

Gene: Gilson_29 Start: 15563, Stop: 16021, Start Num: 3
Candidate Starts for Gilson_29:
(Start: 3 @15563 has 22 MA's), (11, 15608), (18, 15671), (22, 15698), (26, 15728), (35, 15764), (36, 15770), (41, 15788), (53, 15872), (63, 15926), (65, 15959), (70, 15989),

Gene: HangryHippo_48 Start: 26945, Stop: 27409, Start Num: 1
Candidate Starts for HangryHippo_48:
(Start: 1 @26945 has 80 MA's), (8, 26978), (11, 26990), (14, 27026), (18, 27053), (25, 27104), (26, 27107), (33, 27131), (36, 27149), (41, 27167), (43, 27179), (46, 27191), (47, 27203), (55, 27263), (62, 27302), (70, 27371), (71, 27389),

Gene: IchabodCrane_47 Start: 25983, Stop: 26441, Start Num: 1
Candidate Starts for IchabodCrane_47:
(Start: 1 @25983 has 80 MA's), (14, 26064), (17, 26082), (18, 26091), (26, 26145), (29, 26154), (36, 26187), (41, 26205), (62, 26340), (65, 26376), (70, 26409),

Gene: Jada_27 Start: 14915, Stop: 15373, Start Num: 3
Candidate Starts for Jada_27:
(Start: 3 @14915 has 22 MA's), (11, 14960), (18, 15023), (22, 15050), (26, 15080), (35, 15116), (36, 15122), (41, 15140), (53, 15224), (63, 15278), (65, 15311), (70, 15341),

Gene: Jay2Jay_53 Start: 27777, Stop: 28226, Start Num: 2
Candidate Starts for Jay2Jay_53:
(Start: 2 @27777 has 5 MA's), (14, 27855), (18, 27882), (26, 27936), (27, 27939), (36, 27978), (47, 28032), (55, 28092), (62, 28131), (65, 28167), (70, 28188),

Gene: JimJam_50 Start: 26357, Stop: 26815, Start Num: 1
Candidate Starts for JimJam_50:
(Start: 1 @26357 has 80 MA's), (14, 26438), (17, 26456), (18, 26465), (26, 26519), (29, 26528), (32, 26540), (35, 26555), (36, 26561), (41, 26579), (62, 26714), (64, 26738), (65, 26750), (70, 26783),

Gene: Jollison_49 Start: 26239, Stop: 26697, Start Num: 1
Candidate Starts for Jollison_49:
(Start: 1 @26239 has 80 MA's), (14, 26320), (17, 26338), (18, 26347), (26, 26401), (29, 26410), (36, 26443), (41, 26461), (47, 26497), (62, 26596), (65, 26632), (70, 26665),

Gene: Karimac_49 Start: 26388, Stop: 26846, Start Num: 1
Candidate Starts for Karimac_49:
(Start: 1 @26388 has 80 MA's), (14, 26469), (17, 26487), (18, 26496), (26, 26550), (29, 26559), (36, 26592), (41, 26610), (62, 26745), (65, 26781), (70, 26814),

Gene: Karp_25 Start: 14606, Stop: 15064, Start Num: 3
Candidate Starts for Karp_25:
(Start: 3 @14606 has 22 MA's), (11, 14651), (17, 14705), (18, 14714), (30, 14783), (35, 14807), (36, 14813), (41, 14831), (61, 14963), (63, 14969), (65, 15002), (70, 15032),

Gene: Kenrey_29 Start: 15612, Stop: 16070, Start Num: 3
Candidate Starts for Kenrey_29:
(Start: 3 @15612 has 22 MA's), (11, 15657), (15, 15699), (18, 15720), (22, 15747), (26, 15777), (35, 15813), (36, 15819), (41, 15837), (53, 15921), (63, 15975), (65, 16008), (70, 16038),

Gene: KentuckyRacer_50 Start: 26172, Stop: 26630, Start Num: 1

Candidate Starts for KentuckyRacer_50:
(Start: 1 @26172 has 80 MA's), (14, 26253), (17, 26271), (18, 26280), (26, 26334), (29, 26343), (32, 26355), (35, 26370), (36, 26376), (41, 26394), (62, 26529), (64, 26553), (65, 26565), (70, 26598),

Gene: Larnav_48 Start: 26930, Stop: 27394, Start Num: 1
Candidate Starts for Larnav_48:
(Start: 1 @26930 has 80 MA's), (8, 26963), (11, 26975), (14, 27011), (18, 27038), (25, 27089), (26, 27092), (33, 27116), (36, 27134), (41, 27152), (43, 27164), (47, 27188), (55, 27248), (62, 27287), (70, 27356), (71, 27374),

Gene: Leo04_49 Start: 27445, Stop: 27909, Start Num: 1
Candidate Starts for Leo04_49:
(Start: 1 @27445 has 80 MA's), (8, 27478), (11, 27490), (14, 27526), (18, 27553), (25, 27604), (26, 27607), (33, 27631), (36, 27649), (41, 27667), (43, 27679), (46, 27691), (47, 27703), (55, 27763), (62, 27802), (70, 27871), (71, 27889),

Gene: Liandry_47 Start: 26296, Stop: 26760, Start Num: 1
Candidate Starts for Liandry_47:
(Start: 1 @26296 has 80 MA's), (11, 26341), (14, 26377), (18, 26404), (20, 26416), (26, 26458), (33, 26482), (36, 26500), (47, 26554), (51, 26593), (62, 26653), (65, 26689), (70, 26722), (71, 26740),

Gene: LilMartin_45 Start: 25243, Stop: 25707, Start Num: 1
Candidate Starts for LilMartin_45:
(Start: 1 @25243 has 80 MA's), (14, 25324), (17, 25342), (18, 25351), (20, 25363), (25, 25402), (26, 25405), (36, 25447), (43, 25477), (49, 25516), (54, 25558), (62, 25600), (63, 25603), (70, 25669), (71, 25687),

Gene: LilSaint_47 Start: 25487, Stop: 25951, Start Num: 1
Candidate Starts for LilSaint_47:
(Start: 1 @25487 has 80 MA's), (14, 25568), (17, 25586), (19, 25601), (25, 25646), (26, 25649), (36, 25691), (47, 25745), (54, 25802), (58, 25823), (62, 25844), (65, 25880), (70, 25913), (71, 25931),

Gene: Limpid_25 Start: 14697, Stop: 15128, Start Num: 4
Candidate Starts for Limpid_25:
(Start: 4 @14697 has 5 MA's), (11, 14739), (35, 14895), (39, 14913), (41, 14919), (51, 14994), (53, 15003), (63, 15057),

Gene: LukeCage_49 Start: 26136, Stop: 26594, Start Num: 1
Candidate Starts for LukeCage_49:
(Start: 1 @26136 has 80 MA's), (14, 26217), (18, 26244), (26, 26298), (29, 26307), (32, 26319), (33, 26322), (35, 26334), (36, 26340), (41, 26358), (47, 26394), (62, 26493), (65, 26529), (70, 26562),

Gene: Lululemon_47 Start: 26326, Stop: 26790, Start Num: 1
Candidate Starts for Lululemon_47:
(Start: 1 @26326 has 80 MA's), (8, 26359), (11, 26371), (14, 26407), (18, 26434), (25, 26485), (26, 26488), (33, 26512), (36, 26530), (41, 26548), (43, 26560), (46, 26572), (47, 26584), (55, 26644), (62, 26683), (70, 26752), (71, 26770),

Gene: Marsus_46 Start: 25515, Stop: 25979, Start Num: 1
Candidate Starts for Marsus_46:
(Start: 1 @25515 has 80 MA's), (14, 25596), (17, 25614), (18, 25623), (20, 25635), (25, 25674), (26, 25677), (36, 25719), (40, 25734), (41, 25737), (43, 25749), (47, 25773), (54, 25830), (62, 25872), (70, 25941), (71, 25959),

Gene: Maupel_29 Start: 15563, Stop: 16021, Start Num: 3
Candidate Starts for Maupel_29:
(Start: 3 @15563 has 22 MA's), (11, 15608), (18, 15671), (22, 15698), (26, 15728), (35, 15764), (36, 15770), (41, 15788), (53, 15872), (63, 15926), (65, 15959), (70, 15989),

Gene: MeganTheeKilla_27 Start: 14924, Stop: 15382, Start Num: 3
Candidate Starts for MeganTheeKilla_27:
(Start: 3 @14924 has 22 MA's), (11, 14969), (22, 15059), (26, 15089), (35, 15125), (36, 15131), (41, 15149), (53, 15233), (63, 15287), (65, 15320), (70, 15350),

Gene: Mildred21_46 Start: 25428, Stop: 25892, Start Num: 1
Candidate Starts for Mildred21_46:
(Start: 1 @25428 has 80 MA's), (11, 25473), (14, 25509), (18, 25536), (20, 25548), (25, 25587), (26, 25590), (36, 25632), (47, 25686), (54, 25743), (62, 25785), (70, 25854), (71, 25872),

Gene: MindFlayer_48 Start: 25890, Stop: 26348, Start Num: 1
Candidate Starts for MindFlayer_48:
(Start: 1 @25890 has 80 MA's), (14, 25971), (17, 25989), (18, 25998), (26, 26052), (29, 26061), (32, 26073), (35, 26088), (36, 26094), (41, 26112), (62, 26247), (65, 26283), (70, 26316),

Gene: Moab_26 Start: 14949, Stop: 15407, Start Num: 3
Candidate Starts for Moab_26:
(Start: 3 @14949 has 22 MA's), (9, 14982), (10, 14988), (11, 14994), (18, 15057), (22, 15084), (36, 15156), (41, 15174), (47, 15210), (63, 15312), (65, 15345), (70, 15375),

Gene: Mugiwara_49 Start: 26635, Stop: 27093, Start Num: 1
Candidate Starts for Mugiwara_49:
(Start: 1 @26635 has 80 MA's), (14, 26716), (17, 26734), (18, 26743), (26, 26797), (36, 26839), (39, 26851), (41, 26857), (62, 26992), (64, 27016), (65, 27028), (70, 27061),

Gene: MulchMansion_45 Start: 25243, Stop: 25707, Start Num: 1
Candidate Starts for MulchMansion_45:
(Start: 1 @25243 has 80 MA's), (14, 25324), (17, 25342), (18, 25351), (20, 25363), (25, 25402), (26, 25405), (36, 25447), (43, 25477), (49, 25516), (54, 25558), (62, 25600), (63, 25603), (70, 25669), (71, 25687),

Gene: Muntaha_21 Start: 14529, Stop: 14978, Start Num: 2
Candidate Starts for Muntaha_21:
(Start: 2 @14529 has 5 MA's), (9, 14562), (16, 14625), (26, 14694), (35, 14730), (38, 14742), (41, 14754), (57, 14862), (63, 14892), (68, 14931), (70, 14946),

Gene: Navo_46 Start: 26254, Stop: 26718, Start Num: 1
Candidate Starts for Navo_46:
(Start: 1 @26254 has 80 MA's), (11, 26299), (14, 26335), (18, 26362), (20, 26374), (26, 26416), (32, 26437), (33, 26440), (34, 26449), (36, 26458), (47, 26512), (51, 26551), (62, 26611), (65, 26647), (70, 26680), (71, 26698),

Gene: NiceHouse_58 Start: 32121, Stop: 32525, Start Num: 7
Candidate Starts for NiceHouse_58:
(Start: 7 @32121 has 1 MA's), (9, 32136), (12, 32178), (13, 32181), (14, 32184), (21, 32223), (24, 32244), (29, 32262), (31, 32268), (33, 32277), (36, 32295), (38, 32301), (48, 32361), (52, 32391), (54, 32406), (56, 32418), (59, 32439), (60, 32442), (65, 32484),

Gene: NootNoot_44 Start: 25210, Stop: 25674, Start Num: 1
Candidate Starts for NootNoot_44:
(Start: 1 @25210 has 80 MA's), (11, 25255), (14, 25291), (18, 25318), (20, 25330), (26, 25372), (33, 25396), (36, 25414), (47, 25468), (51, 25507), (62, 25567), (65, 25603), (70, 25636), (71, 25654),

Gene: PacManQ_47 Start: 26326, Stop: 26790, Start Num: 1
Candidate Starts for PacManQ_47:
(Start: 1 @26326 has 80 MA's), (8, 26359), (11, 26371), (14, 26407), (18, 26434), (25, 26485), (26, 26488), (33, 26512), (36, 26530), (41, 26548), (43, 26560), (46, 26572), (47, 26584), (55, 26644), (62, 26683), (70, 26752), (71, 26770),

Gene: Paradiddles_44 Start: 25471, Stop: 25935, Start Num: 1
Candidate Starts for Paradiddles_44:
(Start: 1 @25471 has 80 MA's), (11, 25516), (14, 25552), (18, 25579), (20, 25591), (26, 25633), (33, 25657), (36, 25675), (47, 25729), (51, 25768), (62, 25828), (65, 25864), (70, 25897), (71, 25915),

Gene: Patelgo_26 Start: 14563, Stop: 15021, Start Num: 3
Candidate Starts for Patelgo_26:
(Start: 3 @14563 has 22 MA's), (9, 14596), (10, 14602), (11, 14608), (18, 14671), (22, 14698), (36, 14770), (41, 14788), (47, 14824), (63, 14926), (65, 14959), (70, 14989),

Gene: Peebs_47 Start: 26683, Stop: 27147, Start Num: 1
Candidate Starts for Peebs_47:
(Start: 1 @26683 has 80 MA's), (8, 26716), (11, 26728), (14, 26764), (18, 26791), (25, 26842), (26, 26845), (33, 26869), (36, 26887), (41, 26905), (43, 26917), (46, 26929), (47, 26941), (55, 27001), (62, 27040), (70, 27109), (71, 27127),

Gene: Pepperwood_48 Start: 26816, Stop: 27280, Start Num: 1
Candidate Starts for Pepperwood_48:
(Start: 1 @26816 has 80 MA's), (8, 26849), (11, 26861), (14, 26897), (18, 26924), (25, 26975), (26, 26978), (33, 27002), (36, 27020), (41, 27038), (43, 27050), (46, 27062), (47, 27074), (55, 27134), (62, 27173), (70, 27242), (71, 27260),

Gene: Persimmon_44 Start: 25185, Stop: 25649, Start Num: 1
Candidate Starts for Persimmon_44:
(Start: 1 @25185 has 80 MA's), (11, 25230), (14, 25266), (18, 25293), (20, 25305), (26, 25347), (33, 25371), (36, 25389), (47, 25443), (51, 25482), (62, 25542), (65, 25578), (70, 25611), (71, 25629),

Gene: Phredrick_27 Start: 14818, Stop: 15276, Start Num: 3
Candidate Starts for Phredrick_27:
(Start: 3 @14818 has 22 MA's), (11, 14863), (15, 14905), (18, 14926), (22, 14953), (26, 14983), (35, 15019), (36, 15025), (41, 15043), (53, 15127), (63, 15181), (65, 15214), (70, 15244),

Gene: PinkiePie_46 Start: 26296, Stop: 26760, Start Num: 1
Candidate Starts for PinkiePie_46:
(Start: 1 @26296 has 80 MA's), (11, 26341), (14, 26377), (18, 26404), (20, 26416), (26, 26458), (33, 26482), (36, 26500), (47, 26554), (51, 26593), (62, 26653), (65, 26689), (70, 26722), (71, 26740),

Gene: PumpkinSpice_49 Start: 26282, Stop: 26740, Start Num: 1
Candidate Starts for PumpkinSpice_49:
(Start: 1 @26282 has 80 MA's), (14, 26363), (17, 26381), (18, 26390), (26, 26444), (29, 26453), (32, 26465), (35, 26480), (36, 26486), (41, 26504), (62, 26639), (65, 26675), (70, 26708),

Gene: PynkPanther_46 Start: 26324, Stop: 26788, Start Num: 1
Candidate Starts for PynkPanther_46:
(Start: 1 @26324 has 80 MA's), (11, 26369), (14, 26405), (18, 26432), (20, 26444), (26, 26486), (33, 26510), (36, 26528), (47, 26582), (51, 26621), (62, 26681), (65, 26717), (70, 26750), (71, 26768),

Gene: Quaran19_50 Start: 26273, Stop: 26731, Start Num: 1
Candidate Starts for Quaran19_50:
(Start: 1 @26273 has 80 MA's), (14, 26354), (17, 26372), (18, 26381), (26, 26435), (29, 26444), (36, 26477), (41, 26495), (47, 26531), (62, 26630), (65, 26666), (70, 26699),

Gene: Rikishi_50 Start: 26188, Stop: 26646, Start Num: 1
Candidate Starts for Rikishi_50:
(Start: 1 @26188 has 80 MA's), (14, 26269), (17, 26287), (18, 26296), (26, 26350), (29, 26359), (32, 26371), (35, 26386), (36, 26392), (41, 26410), (62, 26545), (64, 26569), (65, 26581), (70, 26614),

Gene: Riptide_45 Start: 25036, Stop: 25500, Start Num: 1
Candidate Starts for Riptide_45:
(Start: 1 @25036 has 80 MA's), (14, 25117), (17, 25135), (25, 25195), (26, 25198), (36, 25240), (47, 25294), (54, 25351), (58, 25372), (62, 25393), (63, 25396), (65, 25429), (70, 25462), (71, 25480),

Gene: SaltySpitoon_50 Start: 26282, Stop: 26740, Start Num: 1
Candidate Starts for SaltySpitoon_50:
(Start: 1 @26282 has 80 MA's), (14, 26363), (17, 26381), (18, 26390), (26, 26444), (29, 26453), (36, 26486), (41, 26504), (47, 26540), (62, 26639), (65, 26675), (70, 26708),

Gene: Samisti12_48 Start: 28119, Stop: 28583, Start Num: 1
Candidate Starts for Samisti12_48:
(Start: 1 @28119 has 80 MA's), (8, 28152), (11, 28164), (14, 28200), (18, 28227), (25, 28278), (26, 28281), (33, 28305), (36, 28323), (41, 28341), (43, 28353), (46, 28365), (47, 28377), (55, 28437), (62, 28476), (70, 28545), (71, 28563),

Gene: Scheme_49 Start: 27530, Stop: 27994, Start Num: 1
Candidate Starts for Scheme_49:
(Start: 1 @27530 has 80 MA's), (8, 27563), (11, 27575), (14, 27611), (18, 27638), (25, 27689), (26, 27692), (33, 27716), (36, 27734), (41, 27752), (43, 27764), (46, 27776), (47, 27788), (55, 27848), (62, 27887), (70, 27956), (71, 27974),

Gene: SeresaTree_25 Start: 14240, Stop: 14674, Start Num: 3
Candidate Starts for SeresaTree_25:
(Start: 3 @14240 has 22 MA's), (Start: 4 @14243 has 5 MA's), (9, 14273), (11, 14285), (14, 14321), (15, 14327), (35, 14441), (36, 14447), (41, 14465), (53, 14549), (63, 14603),

Gene: Sham_23 Start: 15299, Stop: 15733, Start Num: 3
Candidate Starts for Sham_23:
(Start: 3 @15299 has 22 MA's), (Start: 4 @15302 has 5 MA's), (9, 15332), (11, 15344), (14, 15380), (35, 15500), (36, 15506), (41, 15524), (53, 15608), (63, 15662),

Gene: Shuckle_46 Start: 27136, Stop: 27600, Start Num: 1
Candidate Starts for Shuckle_46:
(Start: 1 @27136 has 80 MA's), (8, 27169), (11, 27181), (14, 27217), (18, 27244), (25, 27295), (26, 27298), (33, 27322), (36, 27340), (41, 27358), (43, 27370), (46, 27382), (47, 27394), (55, 27454), (62, 27493), (70, 27562), (71, 27580),

Gene: Sollertia_50 Start: 26251, Stop: 26709, Start Num: 1
Candidate Starts for Sollertia_50:
(Start: 1 @26251 has 80 MA's), (14, 26332), (18, 26359), (26, 26413), (28, 26419), (35, 26449), (36, 26455), (41, 26473), (47, 26509), (62, 26608), (63, 26611), (65, 26644), (66, 26650), (70, 26677),

Gene: SparkleGoddess_26 Start: 15007, Stop: 15465, Start Num: 3
Candidate Starts for SparkleGoddess_26:
(Start: 3 @15007 has 22 MA's), (11, 15052), (17, 15106), (18, 15115), (30, 15184), (35, 15208), (36, 15214), (41, 15232), (61, 15364), (63, 15370), (65, 15403), (70, 15433),

Gene: Spelly_50 Start: 26237, Stop: 26695, Start Num: 1
Candidate Starts for Spelly_50:
(Start: 1 @26237 has 80 MA's), (14, 26318), (17, 26336), (18, 26345), (26, 26399), (29, 26408), (36, 26441), (41, 26459), (47, 26495), (62, 26594), (65, 26630), (70, 26663),

Gene: Spilled_51 Start: 26354, Stop: 26812, Start Num: 1
Candidate Starts for Spilled_51:
(Start: 1 @26354 has 80 MA's), (14, 26435), (17, 26453), (18, 26462), (26, 26516), (29, 26525), (36, 26558), (41, 26576), (62, 26711), (65, 26747), (70, 26780),

Gene: Squillium_47 Start: 26297, Stop: 26761, Start Num: 1
Candidate Starts for Squillium_47:
(Start: 1 @26297 has 80 MA's), (11, 26342), (14, 26378), (18, 26405), (20, 26417), (26, 26459), (33, 26483), (36, 26501), (47, 26555), (51, 26594), (62, 26654), (65, 26690), (70, 26723), (71, 26741),

Gene: Stanimal_50 Start: 26140, Stop: 26598, Start Num: 1
Candidate Starts for Stanimal_50:
(Start: 1 @26140 has 80 MA's), (14, 26221), (18, 26248), (26, 26302), (28, 26308), (35, 26338), (36, 26344), (41, 26362), (47, 26398), (62, 26497), (63, 26500), (65, 26533), (66, 26539), (70, 26566),

Gene: StarPlatinum_50 Start: 26778, Stop: 27236, Start Num: 1
Candidate Starts for StarPlatinum_50:
(Start: 1 @26778 has 80 MA's), (14, 26859), (17, 26877), (18, 26886), (26, 26940), (36, 26982), (39, 26994), (41, 27000), (47, 27036), (62, 27135), (63, 27138), (65, 27171), (70, 27204),

Gene: Starbow_48 Start: 26258, Stop: 26716, Start Num: 1
Candidate Starts for Starbow_48:
(Start: 1 @26258 has 80 MA's), (14, 26339), (17, 26357), (18, 26366), (26, 26420), (29, 26429), (36, 26462), (41, 26480), (47, 26516), (62, 26615), (65, 26651), (70, 26684),

Gene: Stigma_26 Start: 15008, Stop: 15466, Start Num: 3
Candidate Starts for Stigma_26:
(Start: 3 @15008 has 22 MA's), (11, 15053), (17, 15107), (18, 15116), (30, 15185), (35, 15209), (36, 15215), (41, 15233), (61, 15365), (63, 15371), (65, 15404), (70, 15434),

Gene: Sushi23_48 Start: 27041, Stop: 27505, Start Num: 1
Candidate Starts for Sushi23_48:
(Start: 1 @27041 has 80 MA's), (8, 27074), (11, 27086), (14, 27122), (18, 27149), (25, 27200), (26, 27203), (33, 27227), (36, 27245), (41, 27263), (43, 27275), (46, 27287), (47, 27299), (55, 27359), (62, 27398), (70, 27467), (71, 27485),

Gene: Targaryen_49 Start: 27811, Stop: 28275, Start Num: 1

Candidate Starts for Targaryen_49:
(Start: 1 @27811 has 80 MA's), (14, 27892), (18, 27919), (25, 27970), (26, 27973), (33, 27997), (36, 28015), (47, 28069), (52, 28111), (54, 28126), (62, 28168), (70, 28237), (71, 28255),

Gene: Teutsch_48 Start: 27310, Stop: 27774, Start Num: 1
Candidate Starts for Teutsch_48:
(Start: 1 @27310 has 80 MA's), (8, 27343), (11, 27355), (14, 27391), (18, 27418), (25, 27469), (26, 27472), (33, 27496), (36, 27514), (41, 27532), (43, 27544), (46, 27556), (47, 27568), (55, 27628), (62, 27667), (70, 27736), (71, 27754),

Gene: TomSawyer_48 Start: 25876, Stop: 26334, Start Num: 1
Candidate Starts for TomSawyer_48:
(Start: 1 @25876 has 80 MA's), (14, 25957), (17, 25975), (18, 25984), (26, 26038), (29, 26047), (36, 26080), (41, 26098), (47, 26134), (62, 26233), (65, 26269), (70, 26302),

Gene: Tomas_52 Start: 28603, Stop: 29055, Start Num: 4
Candidate Starts for Tomas_52:
(Start: 4 @28603 has 5 MA's), (11, 28642), (14, 28678), (17, 28696), (18, 28705), (26, 28759), (33, 28783), (41, 28819), (43, 28831), (47, 28855), (49, 28870), (62, 28954), (70, 29023),

Gene: Tribute_46 Start: 26510, Stop: 26974, Start Num: 1
Candidate Starts for Tribute_46:
(Start: 1 @26510 has 80 MA's), (8, 26543), (11, 26555), (14, 26591), (18, 26618), (25, 26669), (26, 26672), (33, 26696), (36, 26714), (41, 26732), (43, 26744), (46, 26756), (47, 26768), (55, 26828), (62, 26867), (70, 26936), (71, 26954),

Gene: Trina_70 Start: 35890, Stop: 36291, Start Num: 6
Candidate Starts for Trina_70:
(Start: 6 @35890 has 1 MA's), (11, 35923), (41, 36091), (42, 36094), (48, 36139), (56, 36196), (60, 36220),

Gene: Tuesday_54 Start: 26420, Stop: 26878, Start Num: 1
Candidate Starts for Tuesday_54:
(Start: 1 @26420 has 80 MA's), (14, 26501), (17, 26519), (18, 26528), (26, 26582), (29, 26591), (32, 26603), (35, 26618), (36, 26624), (41, 26642), (62, 26777), (65, 26813), (70, 26846),

Gene: TunaTartare_24 Start: 15589, Stop: 16023, Start Num: 3
Candidate Starts for TunaTartare_24:
(Start: 3 @15589 has 22 MA's), (Start: 4 @15592 has 5 MA's), (9, 15622), (11, 15634), (14, 15670), (22, 15724), (36, 15796), (41, 15814), (53, 15898), (63, 15952), (69, 16003),

Gene: Wakanda_21 Start: 14455, Stop: 14904, Start Num: 2
Candidate Starts for Wakanda_21:
(Start: 2 @14455 has 5 MA's), (9, 14488), (16, 14551), (26, 14620), (35, 14656), (38, 14668), (41, 14680), (57, 14788), (63, 14818), (68, 14857), (70, 14872),

Gene: Warpy_52 Start: 27275, Stop: 27739, Start Num: 1
Candidate Starts for Warpy_52:
(Start: 1 @27275 has 80 MA's), (14, 27356), (18, 27383), (26, 27437), (33, 27461), (36, 27479), (47, 27533), (52, 27575), (54, 27590), (62, 27632), (70, 27701), (71, 27719),

Gene: WashU_48 Start: 26819, Stop: 27283, Start Num: 1
Candidate Starts for WashU_48:

(Start: 1 @26819 has 80 MA's), (8, 26852), (11, 26864), (14, 26900), (18, 26927), (25, 26978), (26, 26981), (33, 27005), (36, 27023), (41, 27041), (43, 27053), (46, 27065), (47, 27077), (55, 27137), (62, 27176), (70, 27245), (71, 27263),

Gene: Watermoore_48 Start: 27517, Stop: 27981, Start Num: 1
Candidate Starts for Watermoore_48:
(Start: 1 @27517 has 80 MA's), (8, 27550), (11, 27562), (14, 27598), (18, 27625), (25, 27676), (26, 27679), (33, 27703), (36, 27721), (41, 27739), (43, 27751), (46, 27763), (47, 27775), (55, 27835), (62, 27874), (70, 27943), (71, 27961),

Gene: Westy_26 Start: 15008, Stop: 15466, Start Num: 3
Candidate Starts for Westy_26:
(Start: 3 @15008 has 22 MA's), (11, 15053), (17, 15107), (18, 15116), (30, 15185), (35, 15209), (36, 15215), (41, 15233), (61, 15365), (63, 15371), (65, 15404), (70, 15434),

Gene: WhereRU_45 Start: 25776, Stop: 26240, Start Num: 1
Candidate Starts for WhereRU_45:
(Start: 1 @25776 has 80 MA's), (11, 25821), (14, 25857), (18, 25884), (20, 25896), (26, 25938), (33, 25962), (36, 25980), (47, 26034), (51, 26073), (62, 26133), (65, 26169), (70, 26202), (71, 26220),

Gene: Wipeout_48 Start: 26627, Stop: 27085, Start Num: 1
Candidate Starts for Wipeout_48:
(Start: 1 @26627 has 80 MA's), (14, 26708), (17, 26726), (18, 26735), (26, 26789), (29, 26798), (36, 26831), (41, 26849), (47, 26885), (62, 26984), (65, 27020), (70, 27053),

Gene: Wofford_49 Start: 27282, Stop: 27740, Start Num: 1
Candidate Starts for Wofford_49:
(Start: 1 @27282 has 80 MA's), (14, 27363), (18, 27390), (26, 27444), (35, 27480), (36, 27486), (41, 27504), (43, 27516), (47, 27540), (55, 27600), (61, 27636), (62, 27639), (65, 27675), (70, 27708),

Gene: Yaboi_50 Start: 26228, Stop: 26686, Start Num: 1
Candidate Starts for Yaboi_50:
(Start: 1 @26228 has 80 MA's), (14, 26309), (18, 26336), (26, 26390), (28, 26396), (35, 26426), (36, 26432), (41, 26450), (47, 26486), (62, 26585), (63, 26588), (65, 26621), (66, 26627), (70, 26654),