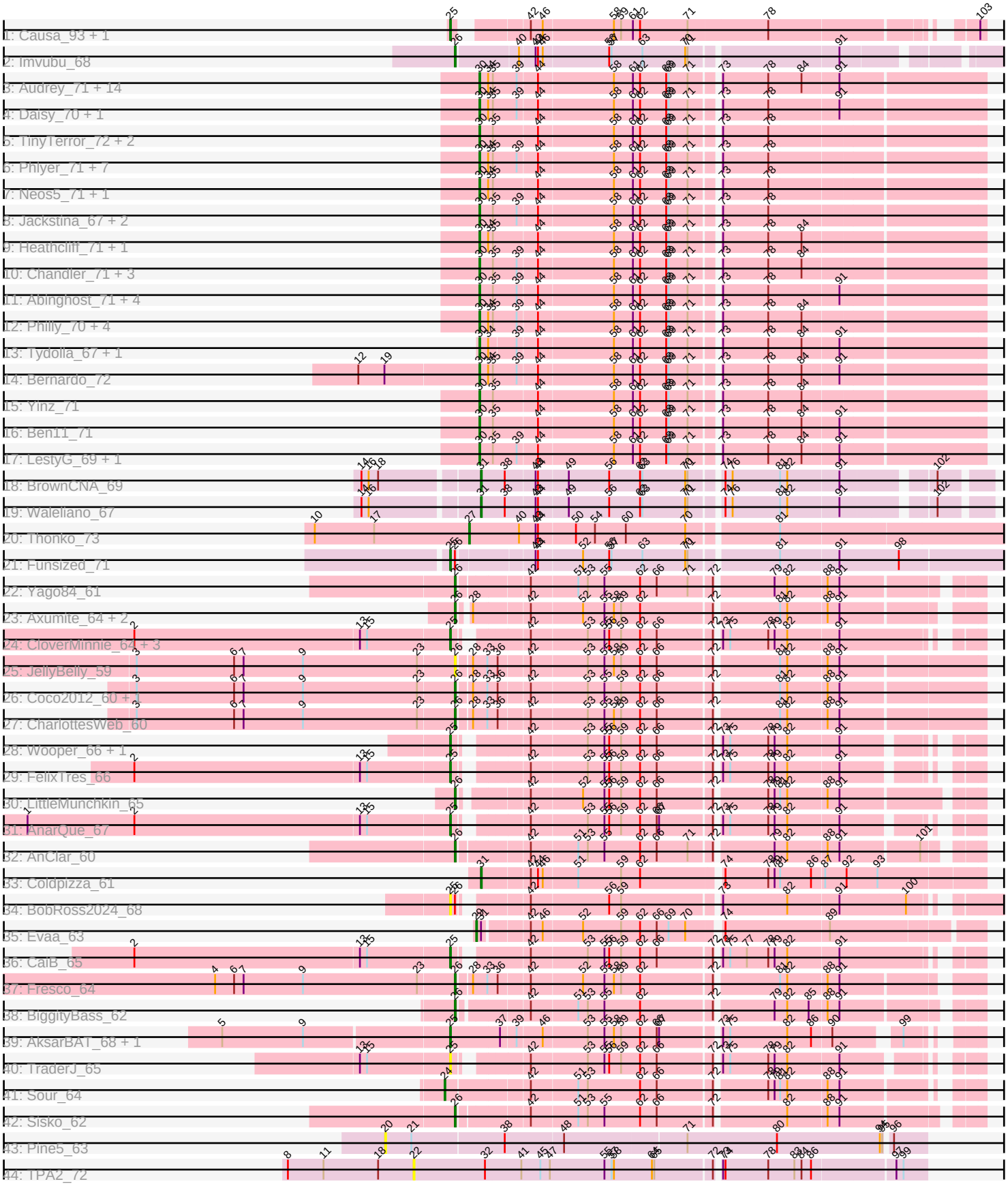
Pham 347475


1: Causa_93 + 1
2: Imvubu_68
3: Audrey_71 + 14
4: Daisy_70 + 1
5: TinyTerror_72 + 2
6: Phlyer_71 + 7
7: Neos5_71 + 1
8: Jackstina_67 + 2
9: Heathcliff_71 + 1
10: Chandler_71 + 3
11: Abinghost_71 + 4
12: Philly_70 + 4
13: Tydolia_67 + 1
14: Bernardo_72
15: Yinz_71
16: Ben11_71
17: LestyG_69 + 1
18: BrownCNA_69
19: Waleliano_67
20: Thonko_73
21: Funsized_71
22: Yago84_61
23: Axumite_64 + 2
24: CloverMinnie_64 + 3
25: JellyBelly_59
26: Coco2012_60 + 1
27: CharlottesWeb_60
28: Wooper_66 + 1
29: FelixTres_66
30: LittleMunchkin_65
31: AnarQue_67
32: AnClar_60
33: Coldpizza_61
34: BobRoss2024_68
35: Evaa_63
36: CalB_65
37: Fresco_64
38: BiggityBass_62
39: AksarBAT_68 + 1
40: TraderJ_65
41: Sour_64
42: Sisko_62
43: Pine5_63
44: TPA2_72

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 347475 Report

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

Pham number 347475 has 94 members, 11 are drafts.

Phages represented in each track:
• Track 1 : Causa_93, StAugustine_92
• Track 2 : Imvubu_68
• Track 3 : Audrey_71, Marlia_72, Athena_73, Yahalom_69, Mulaychimus_72, Briakila_71, Corofin_71, Baloo_70, RomaT_71, Halfpint_70, SlippinJimmy_74, ChaChing_71, SwainyDoc_72, Gervas_72, Devonte_70
• Track 4 : Daisy_70, SynergyX_71
• Track 5 : TinyTerror_72, MmasiCarm_72, Rita1961_72
• Track 6 : Phlyer_71, Compostia_70, Kronus_71, GlenHope_72, Shenandoah_70, RagingRooster_70, Morty007_70, Marley1013_72
• Track 7 : Neos5_71, Chentzyk_73
• Track 8 : Jackstina_67, Phayeta_74, Mortcellus_71
• Track 9 : Heathcliff_71, Olivio_71
• Track 10 : Chandler_71, Gadjet_72, Chalmers_70, Obutu_73
• Track 11 : Abinghost_71, Deenasa_71, Akoma_71, Nozo_71, OrangeOswald_71
• Track 12 : Philly_70, Casbah_71, Kamiyu_71, Phaedrus_66, Glubnar_72
• Track 13 : Tydolla_67, HarveySr_70
• Track 14 : Bernardo_72
• Track 15 : Yinz_71
• Track 16 : Ben11_71
• Track 17 : LestyG_69, Pipefish_74
• Track 18 : BrownCNA_69
• Track 19 : Waleliano_67
• Track 20 : Thonko_73
• Track 21 : Funsized_71
• Track 22 : Yago84_61
• Track 23 : Axumite_64, Shatter_64, Ligma_64
• Track 24 : CloverMinnie_64, MossRose_65, MakoManhole_62, Blackpen_64
• Track 25 : JellyBelly_59
• Track 26 : Coco2012_60, Mariokart_60
• Track 27 : CharlottesWeb_60
• Track 28 : Wooper_66, Yeshua_65
• Track 29 : FelixTres_66
• Track 30 : LittleMunchkin_65
• Track 31 : AnarQue_67
• Track 32 : AnClar_60
• Track 33 : Coldpizza_61
• Track 34 : BobRoss2024_68

• Track 35 : Evaa_63
• Track 36 : CaiB_65
• Track 37 : Fresco_64
• Track 38 : BiggityBass_62
• Track 39 : AksarBAT_68, NHagos_62
• Track 40 : TraderJ_65
• Track 41 : Sour_64
• Track 42 : Sisko_62
• Track 43 : Pine5_63
• Track 44 : TPA2_72

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

The start number called the most often in the published annotations is 30, it was called in 53 of the 83 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abinghost_71, Akoma_71, Athena_73, Audrey_71, Baloo_70, Ben11_71, Bernardo_72, Briakila_71, Casbah_71, ChaChing_71, Chalmers_70, Chandler_71, Chentzyk_73, Compostia_70, Corofin_71, Daisy_70, Deenasa_71, Devonte_70, Gadjet_72, Gervas_72, GlenHope_72, Glubnar_72, Halfpint_70, HarveySr_70, Heathcliff_71, Jackstina_67, Kamiyu_71, Kronus_71, LestyG_69, Marley1013_72, Marlia_72, MmasiCarm_72, Mortcellus_71, Morty007_70, Mulaychimus_72, Neos5_71, Nozo_71, Obutu_73, Olivio_71, OrangeOswald_71, Phaedrus_66, Phayeta_74, Philly_70, Phlyer_71, Pipefish_74, RagingRooster_70, Rita1961_72, RomaT_71, Shenandoah_70, SlippinJimmy_74, SwainyDoc_72, SynergyX_71, TinyTerror_72, Tydolla_67, Yahalom_69, Yinz_71,

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

Genes that do not have the "Most Annotated" start:
• AksarBAT_68, AnClar_60, AnarQue_67, Axumite_64, BiggityBass_62, Blackpen_64, BobRoss2024_68, BrownCNA_69, CaiB_65, Causa_93, CharlottesWeb_60, CloverMinnie_64, Coco2012_60, Coldpizza_61, Evaa_63, FelixTres_66, Fresco_64, Funsized_71, Imvubu_68, JellyBelly_59, Ligma_64, LittleMunchkin_65, MakoManhole_62, Mariokart_60, MossRose_65, NHagos_62, Pine5_63, Shatter_64, Sisko_62, Sour_64, StAugustine_92, TPA2_72, Thonko_73, TraderJ_65, Waleliano_67, Wooper_66, Yago84_61, Yeshua_65,

Summary by start number:

Start 20:
• Found in 1 of 94 (1.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Pine5_63 (singleton),

Start 22:
• Found in 1 of 94 (1.1%) of genes in pham

• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: TPA2_72 (singleton),

Start 24:
• Found in 1 of 94 (1.1%) of genes in pham
• Manual Annotations of this start: 1 of 83
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sour_64 (DR),

Start 25:
• Found in 16 of 94 (17.0%) of genes in pham
• Manual Annotations of this start: 12 of 83
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AksarBAT_68 (DR), AnarQue_67 (DR), Blackpen_64 (DR), BobRoss2024_68 (DR), CaiB_65 (DR), Causa_93 (AI), CloverMinnie_64 (DR), FelixTres_66 (DR), Funsized_71 (B9), MakoManhole_62 (DR), MossRose_65 (DR), NHagos_62 (DR), StAugustine_92 (AI), TraderJ_65 (DR), Wooper_66 (DR), Yeshua_65 (DR),

Start 26:
• Found in 16 of 94 (17.0%) of genes in pham
• Manual Annotations of this start: 12 of 83
• Called 87.5% of time when present
• Phage (with cluster) where this start called: AnClar_60 (DR), Axumite_64 (DR), BiggityBass_62 (DR), CharlottesWeb_60 (DR), Coco2012_60 (DR), Fresco_64 (DR), Imvubu_68 (B10), JellyBelly_59 (DR), Ligma_64 (DR), LittleMunchkin_65 (DR), Mariokart_60 (DR), Shatter_64 (DR), Sisko_62 (DR), Yago84_61 (DR),

Start 27:
• Found in 1 of 94 (1.1%) of genes in pham
• Manual Annotations of this start: 1 of 83
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Thonko_73 (B8),

Start 29:
• Found in 1 of 94 (1.1%) of genes in pham
• Manual Annotations of this start: 1 of 83
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Evaa_63 (DR),

Start 30:
• Found in 56 of 94 (59.6%) of genes in pham
• Manual Annotations of this start: 53 of 83
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abinghost_71 (B3), Akoma_71 (B3), Athena_73 (B3), Audrey_71 (B3), Baloo_70 (B3), Ben11_71 (B3), Bernardo_72 (B3), Briakila_71 (B3), Casbah_71 (B3), ChaChing_71 (B3), Chalmers_70 (B3), Chandler_71 (B3), Chentzyk_73 (B3), Compostia_70 (B3), Corofin_71 (B3), Daisy_70 (B3), Deenasa_71 (B3), Devonte_70 (B3), Gadjet_72 (B3), Gervas_72 (B3), GlenHope_72 (B3), Glubnar_72 (B3), Halfpint_70 (B3), HarveySr_70 (B3), Heathcliff_71 (B3), Jackstina_67 (B3), Kamiyu_71 (B3), Kronus_71 (B3), LestyG_69 (B3), Marley1013_72 (B3), Marlia_72 (B3), MmasiCarm_72 (B3), Mortcellus_71 (B3),

Morty007_70 (B3), Mulaychimus_72 (B3), Neos5_71 (B3), Nozo_71 (B3), Obutu_73 (B3), Olivio_71 (B3), OrangeOswald_71 (B3), Phaedrus_66 (B3), Phayeta_74 (B3), Philly_70 (B3), Phlyer_71 (B3), Pipefish_74 (B3), RagingRooster_70 (B3), Rita1961_72 (B3), RomaT_71 (B3), Shenandoah_70 (B3), SlippinJimmy_74 (B3), SwainyDoc_72 (B3), SynergyX_71 (B3), TinyTerror_72 (B3), Tydolla_67 (B3), Yahalom_69 (B3), Yinz_71 (B3),

Start 31:
• Found in 4 of 94 (4.3%) of genes in pham
• Manual Annotations of this start: 3 of 83
• Called 75.0% of time when present
• Phage (with cluster) where this start called: BrownCNA_69 (B4), Coldpizza_61 (DR), Waleliano_67 (B4),

Summary by clusters:

There are 8 clusters represented in this pham: singleton, AI, B8, B4, B10, B3, DR, B9,

Info for manual annotations of cluster AI:
•Start number 25 was manually annotated 2 times for cluster AI.

Info for manual annotations of cluster B10:
•Start number 26 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B3:
•Start number 30 was manually annotated 53 times for cluster B3.

Info for manual annotations of cluster B4:
•Start number 31 was manually annotated 2 times for cluster B4.

Info for manual annotations of cluster B8:
•Start number 27 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:
•Start number 25 was manually annotated 1 time for cluster B9.

Info for manual annotations of cluster DR:
•Start number 24 was manually annotated 1 time for cluster DR.
•Start number 25 was manually annotated 9 times for cluster DR.
•Start number 26 was manually annotated 11 times for cluster DR.
•Start number 29 was manually annotated 1 time for cluster DR.
•Start number 31 was manually annotated 1 time for cluster DR.

Gene Information:

Gene: Abinghost_71 Start: 57879, Stop: 58478, Start Num: 30
Candidate Starts for Abinghost_71:
(Start: 30 @57879 has 53 MA's), (35, 57894), (39, 57924), (44, 57948), (58, 58041), (61, 58065), (62, 58074), (68, 58107), (69, 58110), (71, 58134), (73, 58164), (78, 58221), (91, 58305),

Gene: Akoma_71 Start: 57919, Stop: 58518, Start Num: 30

Candidate Starts for Akoma_71:
(Start: 30 @57919 has 53 MA's), (35, 57934), (39, 57964), (44, 57988), (58, 58081), (61, 58105), (62, 58114), (68, 58147), (69, 58150), (71, 58174), (73, 58204), (78, 58261), (91, 58345),

Gene: AksarBAT_68 Start: 53011, Stop: 53595, Start Num: 25
Candidate Starts for AksarBAT_68:
(5, 52732), (9, 52834), (Start: 25 @53011 has 12 MA's), (37, 53071), (39, 53089), (46, 53119), (53, 53173), (55, 53194), (58, 53206), (59, 53215), (62, 53239), (66, 53260), (67, 53263), (73, 53329), (75, 53338), (82, 53407), (86, 53437), (90, 53461), (99, 53530),

Gene: AnClar_60 Start: 52491, Stop: 53087, Start Num: 26
Candidate Starts for AnClar_60:
(Start: 26 @52491 has 12 MA's), (42, 52569), (51, 52626), (53, 52638), (55, 52659), (62, 52704), (66, 52725), (71, 52764), (72, 52791), (79, 52857), (82, 52872), (88, 52920), (91, 52935), (101, 53031),

Gene: AnarQue_67 Start: 53185, Stop: 53751, Start Num: 25
Candidate Starts for AnarQue_67:
(1, 52657), (2, 52792), (13, 53074), (15, 53083), (Start: 25 @53185 has 12 MA's), (42, 53254), (53, 53323), (55, 53344), (56, 53350), (59, 53365), (62, 53389), (66, 53410), (67, 53413), (72, 53476), (73, 53479), (75, 53488), (78, 53536), (79, 53542), (82, 53557), (91, 53620),

Gene: Athena_73 Start: 58654, Stop: 59253, Start Num: 30
Candidate Starts for Athena_73:
(Start: 30 @58654 has 53 MA's), (34, 58663), (35, 58669), (39, 58699), (44, 58723), (58, 58816), (61, 58840), (62, 58849), (68, 58882), (69, 58885), (71, 58909), (73, 58939), (78, 58996), (84, 59035), (91, 59080),

Gene: Audrey_71 Start: 57918, Stop: 58517, Start Num: 30
Candidate Starts for Audrey_71:
(Start: 30 @57918 has 53 MA's), (34, 57927), (35, 57933), (39, 57963), (44, 57987), (58, 58080), (61, 58104), (62, 58113), (68, 58146), (69, 58149), (71, 58173), (73, 58203), (78, 58260), (84, 58299), (91, 58344),

Gene: Axumite_64 Start: 51329, Stop: 51919, Start Num: 26
Candidate Starts for Axumite_64:
(Start: 26 @51329 has 12 MA's), (28, 51338), (42, 51401), (52, 51464), (55, 51491), (58, 51503), (59, 51512), (62, 51536), (72, 51623), (81, 51695), (82, 51704), (88, 51752), (91, 51767),

Gene: Baloo_70 Start: 57751, Stop: 58350, Start Num: 30
Candidate Starts for Baloo_70:
(Start: 30 @57751 has 53 MA's), (34, 57760), (35, 57766), (39, 57796), (44, 57820), (58, 57913), (61, 57937), (62, 57946), (68, 57979), (69, 57982), (71, 58006), (73, 58036), (78, 58093), (84, 58132), (91, 58177),

Gene: Ben11_71 Start: 58136, Stop: 58735, Start Num: 30
Candidate Starts for Ben11_71:
(Start: 30 @58136 has 53 MA's), (35, 58151), (44, 58205), (58, 58298), (61, 58322), (62, 58331), (68, 58364), (69, 58367), (71, 58391), (73, 58421), (78, 58478), (84, 58517), (91, 58562),

Gene: Bernardo_72 Start: 58117, Stop: 58716, Start Num: 30
Candidate Starts for Bernardo_72:
(12, 57967), (19, 58000), (Start: 30 @58117 has 53 MA's), (34, 58126), (35, 58132), (39, 58162), (44, 58186), (58, 58279), (61, 58303), (62, 58312), (68, 58345), (69, 58348), (71, 58372), (73, 58402), (78,

58459), (84, 58498), (91, 58543),

Gene: BiggityBass_62 Start: 53047, Stop: 53640, Start Num: 26
Candidate Starts for BiggityBass_62:
(Start: 26 @53047 has 12 MA's), (42, 53122), (51, 53179), (53, 53191), (55, 53212), (62, 53257), (72, 53344), (79, 53410), (82, 53425), (85, 53452), (88, 53473), (91, 53488),

Gene: Blackpen_64 Start: 51624, Stop: 52205, Start Num: 25
Candidate Starts for Blackpen_64:
(2, 51231), (13, 51513), (15, 51522), (Start: 25 @51624 has 12 MA's), (42, 51693), (53, 51762), (55, 51783), (56, 51789), (59, 51804), (62, 51828), (66, 51849), (72, 51915), (73, 51918), (75, 51927), (78, 51975), (79, 51981), (82, 51996), (91, 52059),

Gene: BobRoss2024_68 Start: 52748, Stop: 53359, Start Num: 25
Candidate Starts for BobRoss2024_68:
(Start: 25 @52748 has 12 MA's), (Start: 26 @52754 has 12 MA's), (42, 52817), (56, 52913), (59, 52928), (73, 53042), (82, 53120), (91, 53183), (100, 53264),

Gene: Briakila_71 Start: 58117, Stop: 58716, Start Num: 30
Candidate Starts for Briakila_71:
(Start: 30 @58117 has 53 MA's), (34, 58126), (35, 58132), (39, 58162), (44, 58186), (58, 58279), (61, 58303), (62, 58312), (68, 58345), (69, 58348), (71, 58372), (73, 58402), (78, 58459), (84, 58498), (91, 58543),

Gene: BrownCNA_69 Start: 59733, Stop: 60320, Start Num: 31
Candidate Starts for BrownCNA_69:
(14, 59598), (16, 59607), (18, 59619), (Start: 31 @59733 has 3 MA's), (38, 59763), (43, 59799), (44, 59802), (49, 59838), (56, 59889), (62, 59928), (63, 59931), (70, 59985), (71, 59988), (74, 60021), (76, 60030), (81, 60087), (82, 60096), (91, 60159), (102, 60261),

Gene: CaiB_65 Start: 52969, Stop: 53550, Start Num: 25
Candidate Starts for CaiB_65:
(2, 52576), (13, 52858), (15, 52867), (Start: 25 @52969 has 12 MA's), (42, 53038), (53, 53107), (55, 53128), (56, 53134), (59, 53149), (62, 53173), (66, 53194), (72, 53260), (73, 53263), (75, 53272), (77, 53293), (78, 53320), (79, 53326), (82, 53341), (91, 53404),

Gene: Casbah_71 Start: 58238, Stop: 58837, Start Num: 30
Candidate Starts for Casbah_71:
(Start: 30 @58238 has 53 MA's), (34, 58247), (35, 58253), (39, 58283), (44, 58307), (58, 58400), (61, 58424), (62, 58433), (68, 58466), (69, 58469), (71, 58493), (73, 58523), (78, 58580), (84, 58619),

Gene: Causa_93 Start: 67664, Stop: 68245, Start Num: 25
Candidate Starts for Causa_93:
(Start: 25 @67664 has 12 MA's), (42, 67733), (46, 67748), (58, 67835), (59, 67844), (61, 67859), (62, 67868), (71, 67928), (78, 68027), (103, 68240),

Gene: ChaChing_71 Start: 57936, Stop: 58535, Start Num: 30
Candidate Starts for ChaChing_71:
(Start: 30 @57936 has 53 MA's), (34, 57945), (35, 57951), (39, 57981), (44, 58005), (58, 58098), (61, 58122), (62, 58131), (68, 58164), (69, 58167), (71, 58191), (73, 58221), (78, 58278), (84, 58317), (91, 58362),

Gene: Chalmers_70 Start: 58369, Stop: 58968, Start Num: 30

Candidate Starts for Chalmers_70:
(Start: 30 @58369 has 53 MA's), (35, 58384), (39, 58414), (44, 58438), (58, 58531), (61, 58555), (62, 58564), (68, 58597), (69, 58600), (71, 58624), (73, 58654), (78, 58711), (84, 58750),

Gene: Chandler_71 Start: 58698, Stop: 59297, Start Num: 30
Candidate Starts for Chandler_71:
(Start: 30 @58698 has 53 MA's), (35, 58713), (39, 58743), (44, 58767), (58, 58860), (61, 58884), (62, 58893), (68, 58926), (69, 58929), (71, 58953), (73, 58983), (78, 59040), (84, 59079),

Gene: CharlottesWeb_60 Start: 49910, Stop: 50527, Start Num: 26
Candidate Starts for CharlottesWeb_60:
(3, 49511), (6, 49634), (7, 49646), (9, 49721), (23, 49865), (Start: 26 @49910 has 12 MA's), (28, 49925), (33, 49940), (36, 49952), (42, 49988), (53, 50057), (55, 50078), (58, 50090), (59, 50099), (62, 50123), (66, 50144), (72, 50210), (81, 50282), (82, 50291), (88, 50339), (91, 50354),

Gene: Chentzyk_73 Start: 58869, Stop: 59468, Start Num: 30
Candidate Starts for Chentzyk_73:
(Start: 30 @58869 has 53 MA's), (34, 58878), (35, 58884), (44, 58938), (58, 59031), (61, 59055), (62, 59064), (68, 59097), (69, 59100), (71, 59124), (73, 59154), (78, 59211),

Gene: CloverMinnie_64 Start: 52132, Stop: 52713, Start Num: 25
Candidate Starts for CloverMinnie_64:
(2, 51739), (13, 52021), (15, 52030), (Start: 25 @52132 has 12 MA's), (42, 52201), (53, 52270), (55, 52291), (56, 52297), (59, 52312), (62, 52336), (66, 52357), (72, 52423), (73, 52426), (75, 52435), (78, 52483), (79, 52489), (82, 52504), (91, 52567),

Gene: Coco2012_60 Start: 49901, Stop: 50518, Start Num: 26
Candidate Starts for Coco2012_60:
(3, 49502), (6, 49625), (7, 49637), (9, 49712), (23, 49856), (Start: 26 @49901 has 12 MA's), (28, 49916), (33, 49931), (36, 49943), (42, 49979), (53, 50048), (55, 50069), (59, 50090), (62, 50114), (66, 50135), (72, 50201), (81, 50273), (82, 50282), (88, 50330), (91, 50345),

Gene: Coldpizza_61 Start: 52645, Stop: 53241, Start Num: 31
Candidate Starts for Coldpizza_61:
(Start: 31 @52645 has 3 MA's), (42, 52699), (44, 52708), (46, 52714), (51, 52756), (59, 52810), (62, 52834), (74, 52927), (78, 52981), (79, 52987), (81, 52993), (86, 53032), (87, 53047), (92, 53074), (93, 53113),

Gene: Compostia_70 Start: 58319, Stop: 58918, Start Num: 30
Candidate Starts for Compostia_70:
(Start: 30 @58319 has 53 MA's), (34, 58328), (35, 58334), (39, 58364), (44, 58388), (58, 58481), (61, 58505), (62, 58514), (68, 58547), (69, 58550), (71, 58574), (73, 58604), (78, 58661),

Gene: Corofin_71 Start: 57949, Stop: 58548, Start Num: 30
Candidate Starts for Corofin_71:
(Start: 30 @57949 has 53 MA's), (34, 57958), (35, 57964), (39, 57994), (44, 58018), (58, 58111), (61, 58135), (62, 58144), (68, 58177), (69, 58180), (71, 58204), (73, 58234), (78, 58291), (84, 58330), (91, 58375),

Gene: Daisy_70 Start: 57482, Stop: 58081, Start Num: 30
Candidate Starts for Daisy_70:
(Start: 30 @57482 has 53 MA's), (34, 57491), (35, 57497), (39, 57527), (44, 57551), (58, 57644), (61, 57668), (62, 57677), (68, 57710), (69, 57713), (71, 57737), (73, 57767), (78, 57824), (91, 57908),

Gene: Deenasa_71 Start: 58785, Stop: 59384, Start Num: 30
Candidate Starts for Deenasa_71:
(Start: 30 @58785 has 53 MA's), (35, 58800), (39, 58830), (44, 58854), (58, 58947), (61, 58971), (62, 58980), (68, 59013), (69, 59016), (71, 59040), (73, 59070), (78, 59127), (91, 59211),

Gene: Devonte_70 Start: 57561, Stop: 58160, Start Num: 30
Candidate Starts for Devonte_70:
(Start: 30 @57561 has 53 MA's), (34, 57570), (35, 57576), (39, 57606), (44, 57630), (58, 57723), (61, 57747), (62, 57756), (68, 57789), (69, 57792), (71, 57816), (73, 57846), (78, 57903), (84, 57942), (91, 57987),

Gene: Evaa_63 Start: 50521, Stop: 51108, Start Num: 29
Candidate Starts for Evaa_63:
(Start: 29 @50521 has 1 MA's), (Start: 31 @50527 has 3 MA's), (42, 50578), (46, 50593), (52, 50641), (59, 50689), (62, 50713), (66, 50734), (69, 50749), (70, 50770), (74, 50806), (89, 50932),

Gene: FelixTres_66 Start: 52439, Stop: 53005, Start Num: 25
Candidate Starts for FelixTres_66:
(2, 52046), (13, 52328), (15, 52337), (Start: 25 @52439 has 12 MA's), (42, 52508), (53, 52577), (55, 52598), (56, 52604), (59, 52619), (62, 52643), (66, 52664), (72, 52730), (73, 52733), (75, 52742), (78, 52790), (79, 52796), (82, 52811), (91, 52874),

Gene: Fresco_64 Start: 51329, Stop: 51925, Start Num: 26
Candidate Starts for Fresco_64:
(4, 51029), (6, 51053), (7, 51065), (9, 51140), (23, 51284), (Start: 26 @51329 has 12 MA's), (28, 51344), (33, 51359), (36, 51371), (42, 51407), (52, 51470), (55, 51497), (58, 51509), (59, 51518), (62, 51542), (72, 51629), (81, 51701), (82, 51710), (88, 51758), (91, 51773),

Gene: Funsized_71 Start: 61219, Stop: 61962, Start Num: 25
Candidate Starts for Funsized_71:
(Start: 25 @61219 has 12 MA's), (Start: 26 @61225 has 12 MA's), (43, 61312), (44, 61315), (52, 61369), (56, 61402), (57, 61405), (63, 61444), (70, 61498), (71, 61501), (81, 61600), (91, 61672), (98, 61747),

Gene: Gadjet_72 Start: 58249, Stop: 58848, Start Num: 30
Candidate Starts for Gadjet_72:
(Start: 30 @58249 has 53 MA's), (35, 58264), (39, 58294), (44, 58318), (58, 58411), (61, 58435), (62, 58444), (68, 58477), (69, 58480), (71, 58504), (73, 58534), (78, 58591), (84, 58630),

Gene: Gervas_72 Start: 58343, Stop: 58942, Start Num: 30
Candidate Starts for Gervas_72:
(Start: 30 @58343 has 53 MA's), (34, 58352), (35, 58358), (39, 58388), (44, 58412), (58, 58505), (61, 58529), (62, 58538), (68, 58571), (69, 58574), (71, 58598), (73, 58628), (78, 58685), (84, 58724), (91, 58769),

Gene: GlenHope_72 Start: 57909, Stop: 58508, Start Num: 30
Candidate Starts for GlenHope_72:
(Start: 30 @57909 has 53 MA's), (34, 57918), (35, 57924), (39, 57954), (44, 57978), (58, 58071), (61, 58095), (62, 58104), (68, 58137), (69, 58140), (71, 58164), (73, 58194), (78, 58251),

Gene: Glubnar_72 Start: 57815, Stop: 58414, Start Num: 30
Candidate Starts for Glubnar_72:

(Start: 30 @57815 has 53 MA's), (34, 57824), (35, 57830), (39, 57860), (44, 57884), (58, 57977), (61, 58001), (62, 58010), (68, 58043), (69, 58046), (71, 58070), (73, 58100), (78, 58157), (84, 58196),

Gene: Halfpint_70 Start: 57660, Stop: 58259, Start Num: 30
Candidate Starts for Halfpint_70:
(Start: 30 @57660 has 53 MA's), (34, 57669), (35, 57675), (39, 57705), (44, 57729), (58, 57822), (61, 57846), (62, 57855), (68, 57888), (69, 57891), (71, 57915), (73, 57945), (78, 58002), (84, 58041), (91, 58086),

Gene: HarveySr_70 Start: 57468, Stop: 58064, Start Num: 30
Candidate Starts for HarveySr_70:
(Start: 30 @57468 has 53 MA's), (34, 57477), (39, 57510), (44, 57534), (58, 57627), (61, 57651), (62, 57660), (68, 57693), (69, 57696), (71, 57720), (73, 57750), (78, 57807), (84, 57846), (91, 57891),

Gene: Heathcliff_71 Start: 57876, Stop: 58475, Start Num: 30
Candidate Starts for Heathcliff_71:
(Start: 30 @57876 has 53 MA's), (34, 57885), (35, 57891), (44, 57945), (58, 58038), (61, 58062), (62, 58071), (68, 58104), (69, 58107), (71, 58131), (73, 58161), (78, 58218), (84, 58257),

Gene: Imvubu_68 Start: 57987, Stop: 58691, Start Num: 26
Candidate Starts for Imvubu_68:
(Start: 26 @57987 has 12 MA's), (40, 58059), (43, 58077), (44, 58080), (46, 58086), (56, 58167), (57, 58170), (63, 58209), (70, 58263), (71, 58266), (91, 58437),

Gene: Jackstina_67 Start: 57801, Stop: 58400, Start Num: 30
Candidate Starts for Jackstina_67:
(Start: 30 @57801 has 53 MA's), (35, 57816), (39, 57846), (44, 57870), (58, 57963), (61, 57987), (62, 57996), (68, 58029), (69, 58032), (71, 58056), (73, 58086), (78, 58143),

Gene: JellyBelly_59 Start: 49907, Stop: 50524, Start Num: 26
Candidate Starts for JellyBelly_59:
(3, 49508), (6, 49631), (7, 49643), (9, 49718), (23, 49862), (Start: 26 @49907 has 12 MA's), (28, 49922), (33, 49937), (36, 49949), (42, 49985), (53, 50054), (55, 50075), (58, 50087), (59, 50096), (62, 50120), (66, 50141), (72, 50207), (81, 50279), (82, 50288), (88, 50336), (91, 50351),

Gene: Kamiyu_71 Start: 57878, Stop: 58477, Start Num: 30
Candidate Starts for Kamiyu_71:
(Start: 30 @57878 has 53 MA's), (34, 57887), (35, 57893), (39, 57923), (44, 57947), (58, 58040), (61, 58064), (62, 58073), (68, 58106), (69, 58109), (71, 58133), (73, 58163), (78, 58220), (84, 58259),

Gene: Kronus_71 Start: 58974, Stop: 59573, Start Num: 30
Candidate Starts for Kronus_71:
(Start: 30 @58974 has 53 MA's), (34, 58983), (35, 58989), (39, 59019), (44, 59043), (58, 59136), (61, 59160), (62, 59169), (68, 59202), (69, 59205), (71, 59229), (73, 59259), (78, 59316),

Gene: LestyG_69 Start: 57404, Stop: 58003, Start Num: 30
Candidate Starts for LestyG_69:
(Start: 30 @57404 has 53 MA's), (35, 57419), (39, 57449), (44, 57473), (58, 57566), (61, 57590), (62, 57599), (68, 57632), (69, 57635), (71, 57659), (73, 57689), (78, 57746), (84, 57785), (91, 57830),

Gene: Ligma_64 Start: 51329, Stop: 51919, Start Num: 26
Candidate Starts for Ligma_64:

(Start: 26 @51329 has 12 MA's), (28, 51338), (42, 51401), (52, 51464), (55, 51491), (58, 51503), (59, 51512), (62, 51536), (72, 51623), (81, 51695), (82, 51704), (88, 51752), (91, 51767),

Gene: LittleMunchkin_65 Start: 54116, Stop: 54709, Start Num: 26
Candidate Starts for LittleMunchkin_65:
(Start: 26 @54116 has 12 MA's), (42, 54185), (52, 54248), (55, 54275), (56, 54281), (59, 54296), (62, 54320), (66, 54341), (72, 54407), (78, 54467), (79, 54473), (81, 54479), (82, 54488), (88, 54536), (91, 54551),

Gene: MakoManhole_62 Start: 51487, Stop: 52053, Start Num: 25
Candidate Starts for MakoManhole_62:
(2, 51094), (13, 51376), (15, 51385), (Start: 25 @51487 has 12 MA's), (42, 51556), (53, 51625), (55, 51646), (56, 51652), (59, 51667), (62, 51691), (66, 51712), (72, 51778), (73, 51781), (75, 51790), (78, 51838), (79, 51844), (82, 51859), (91, 51922),

Gene: Mariokart_60 Start: 50195, Stop: 50812, Start Num: 26
Candidate Starts for Mariokart_60:
(3, 49796), (6, 49919), (7, 49931), (9, 50006), (23, 50150), (Start: 26 @50195 has 12 MA's), (28, 50210), (33, 50225), (36, 50237), (42, 50273), (53, 50342), (55, 50363), (59, 50384), (62, 50408), (66, 50429), (72, 50495), (81, 50567), (82, 50576), (88, 50624), (91, 50639),

Gene: Marley1013_72 Start: 58826, Stop: 59425, Start Num: 30
Candidate Starts for Marley1013_72:
(Start: 30 @58826 has 53 MA's), (34, 58835), (35, 58841), (39, 58871), (44, 58895), (58, 58988), (61, 59012), (62, 59021), (68, 59054), (69, 59057), (71, 59081), (73, 59111), (78, 59168),

Gene: Marlia_72 Start: 58347, Stop: 58946, Start Num: 30
Candidate Starts for Marlia_72:
(Start: 30 @58347 has 53 MA's), (34, 58356), (35, 58362), (39, 58392), (44, 58416), (58, 58509), (61, 58533), (62, 58542), (68, 58575), (69, 58578), (71, 58602), (73, 58632), (78, 58689), (84, 58728), (91, 58773),

Gene: MmasiCarm_72 Start: 58329, Stop: 58928, Start Num: 30
Candidate Starts for MmasiCarm_72:
(Start: 30 @58329 has 53 MA's), (35, 58344), (44, 58398), (58, 58491), (61, 58515), (62, 58524), (68, 58557), (69, 58560), (71, 58584), (73, 58614), (78, 58671),

Gene: Mortcellus_71 Start: 58991, Stop: 59590, Start Num: 30
Candidate Starts for Mortcellus_71:
(Start: 30 @58991 has 53 MA's), (35, 59006), (39, 59036), (44, 59060), (58, 59153), (61, 59177), (62, 59186), (68, 59219), (69, 59222), (71, 59246), (73, 59276), (78, 59333),

Gene: Morty007_70 Start: 58826, Stop: 59425, Start Num: 30
Candidate Starts for Morty007_70:
(Start: 30 @58826 has 53 MA's), (34, 58835), (35, 58841), (39, 58871), (44, 58895), (58, 58988), (61, 59012), (62, 59021), (68, 59054), (69, 59057), (71, 59081), (73, 59111), (78, 59168),

Gene: MossRose_65 Start: 52447, Stop: 53013, Start Num: 25
Candidate Starts for MossRose_65:
(2, 52054), (13, 52336), (15, 52345), (Start: 25 @52447 has 12 MA's), (42, 52516), (53, 52585), (55, 52606), (56, 52612), (59, 52627), (62, 52651), (66, 52672), (72, 52738), (73, 52741), (75, 52750), (78, 52798), (79, 52804), (82, 52819), (91, 52882),

Gene: Mulaychimus_72 Start: 58346, Stop: 58945, Start Num: 30
Candidate Starts for Mulaychimus_72:
(Start: 30 @58346 has 53 MA's), (34, 58355), (35, 58361), (39, 58391), (44, 58415), (58, 58508), (61, 58532), (62, 58541), (68, 58574), (69, 58577), (71, 58601), (73, 58631), (78, 58688), (84, 58727), (91, 58772),

Gene: NHagos_62 Start: 50884, Stop: 51486, Start Num: 25
Candidate Starts for NHagos_62:
(5, 50605), (9, 50707), (Start: 25 @50884 has 12 MA's), (37, 50944), (39, 50962), (46, 50992), (53, 51046), (55, 51067), (58, 51079), (59, 51088), (62, 51112), (66, 51133), (67, 51136), (73, 51202), (75, 51211), (82, 51280), (86, 51310), (90, 51334), (99, 51421),

Gene: Neos5_71 Start: 58288, Stop: 58887, Start Num: 30
Candidate Starts for Neos5_71:
(Start: 30 @58288 has 53 MA's), (34, 58297), (35, 58303), (44, 58357), (58, 58450), (61, 58474), (62, 58483), (68, 58516), (69, 58519), (71, 58543), (73, 58573), (78, 58630),

Gene: Nozo_71 Start: 58685, Stop: 59284, Start Num: 30
Candidate Starts for Nozo_71:
(Start: 30 @58685 has 53 MA's), (35, 58700), (39, 58730), (44, 58754), (58, 58847), (61, 58871), (62, 58880), (68, 58913), (69, 58916), (71, 58940), (73, 58970), (78, 59027), (91, 59111),

Gene: Obutu_73 Start: 58508, Stop: 59107, Start Num: 30
Candidate Starts for Obutu_73:
(Start: 30 @58508 has 53 MA's), (35, 58523), (39, 58553), (44, 58577), (58, 58670), (61, 58694), (62, 58703), (68, 58736), (69, 58739), (71, 58763), (73, 58793), (78, 58850), (84, 58889),

Gene: Olivio_71 Start: 58141, Stop: 58740, Start Num: 30
Candidate Starts for Olivio_71:
(Start: 30 @58141 has 53 MA's), (34, 58150), (35, 58156), (44, 58210), (58, 58303), (61, 58327), (62, 58336), (68, 58369), (69, 58372), (71, 58396), (73, 58426), (78, 58483), (84, 58522),

Gene: OrangeOswald_71 Start: 57926, Stop: 58525, Start Num: 30
Candidate Starts for OrangeOswald_71:
(Start: 30 @57926 has 53 MA's), (35, 57941), (39, 57971), (44, 57995), (58, 58088), (61, 58112), (62, 58121), (68, 58154), (69, 58157), (71, 58181), (73, 58211), (78, 58268), (91, 58352),

Gene: Phaedrus_66 Start: 57351, Stop: 57950, Start Num: 30
Candidate Starts for Phaedrus_66:
(Start: 30 @57351 has 53 MA's), (34, 57360), (35, 57366), (39, 57396), (44, 57420), (58, 57513), (61, 57537), (62, 57546), (68, 57579), (69, 57582), (71, 57606), (73, 57636), (78, 57693), (84, 57732),

Gene: Phayeta_74 Start: 58412, Stop: 59011, Start Num: 30
Candidate Starts for Phayeta_74:
(Start: 30 @58412 has 53 MA's), (35, 58427), (39, 58457), (44, 58481), (58, 58574), (61, 58598), (62, 58607), (68, 58640), (69, 58643), (71, 58667), (73, 58697), (78, 58754),

Gene: Philly_70 Start: 57738, Stop: 58337, Start Num: 30
Candidate Starts for Philly_70:
(Start: 30 @57738 has 53 MA's), (34, 57747), (35, 57753), (39, 57783), (44, 57807), (58, 57900), (61, 57924), (62, 57933), (68, 57966), (69, 57969), (71, 57993), (73, 58023), (78, 58080), (84, 58119),

Gene: Phlyer_71 Start: 58634, Stop: 59233, Start Num: 30

Candidate Starts for Phlyer_71:
(Start: 30 @58634 has 53 MA's), (34, 58643), (35, 58649), (39, 58679), (44, 58703), (58, 58796), (61, 58820), (62, 58829), (68, 58862), (69, 58865), (71, 58889), (73, 58919), (78, 58976),

Gene: Pine5_63 Start: 49969, Stop: 50628, Start Num: 20
Candidate Starts for Pine5_63:
(20, 49969), (21, 50002), (38, 50116), (48, 50188), (71, 50338), (80, 50449), (94, 50578), (95, 50581), (96, 50587),

Gene: Pipefish_74 Start: 59045, Stop: 59644, Start Num: 30
Candidate Starts for Pipefish_74:
(Start: 30 @59045 has 53 MA's), (35, 59060), (39, 59090), (44, 59114), (58, 59207), (61, 59231), (62, 59240), (68, 59273), (69, 59276), (71, 59300), (73, 59330), (78, 59387), (84, 59426), (91, 59471),

Gene: RagingRooster_70 Start: 57566, Stop: 58165, Start Num: 30
Candidate Starts for RagingRooster_70:
(Start: 30 @57566 has 53 MA's), (34, 57575), (35, 57581), (39, 57611), (44, 57635), (58, 57728), (61, 57752), (62, 57761), (68, 57794), (69, 57797), (71, 57821), (73, 57851), (78, 57908),

Gene: Rita1961_72 Start: 58284, Stop: 58883, Start Num: 30
Candidate Starts for Rita1961_72:
(Start: 30 @58284 has 53 MA's), (35, 58299), (44, 58353), (58, 58446), (61, 58470), (62, 58479), (68, 58512), (69, 58515), (71, 58539), (73, 58569), (78, 58626),

Gene: RomaT_71 Start: 58485, Stop: 59084, Start Num: 30
Candidate Starts for RomaT_71:
(Start: 30 @58485 has 53 MA's), (34, 58494), (35, 58500), (39, 58530), (44, 58554), (58, 58647), (61, 58671), (62, 58680), (68, 58713), (69, 58716), (71, 58740), (73, 58770), (78, 58827), (84, 58866), (91, 58911),

Gene: Shatter_64 Start: 51329, Stop: 51919, Start Num: 26
Candidate Starts for Shatter_64:
(Start: 26 @51329 has 12 MA's), (28, 51338), (42, 51401), (52, 51464), (55, 51491), (58, 51503), (59, 51512), (62, 51536), (72, 51623), (81, 51695), (82, 51704), (88, 51752), (91, 51767),

Gene: Shenandoah_70 Start: 57543, Stop: 58142, Start Num: 30
Candidate Starts for Shenandoah_70:
(Start: 30 @57543 has 53 MA's), (34, 57552), (35, 57558), (39, 57588), (44, 57612), (58, 57705), (61, 57729), (62, 57738), (68, 57771), (69, 57774), (71, 57798), (73, 57828), (78, 57885),

Gene: Sisko_62 Start: 51559, Stop: 52155, Start Num: 26
Candidate Starts for Sisko_62:
(Start: 26 @51559 has 12 MA's), (42, 51637), (51, 51694), (53, 51706), (55, 51727), (62, 51772), (66, 51793), (72, 51859), (82, 51940), (88, 51988), (91, 52003),

Gene: SlippinJimmy_74 Start: 59309, Stop: 59908, Start Num: 30
Candidate Starts for SlippinJimmy_74:
(Start: 30 @59309 has 53 MA's), (34, 59318), (35, 59324), (39, 59354), (44, 59378), (58, 59471), (61, 59495), (62, 59504), (68, 59537), (69, 59540), (71, 59564), (73, 59594), (78, 59651), (84, 59690), (91, 59735),

Gene: Sour_64 Start: 53787, Stop: 54392, Start Num: 24
Candidate Starts for Sour_64:

(Start: 24 @53787 has 1 MA's), (42, 53883), (51, 53940), (53, 53952), (62, 54018), (66, 54039), (72, 54105), (78, 54165), (79, 54171), (81, 54177), (82, 54186), (88, 54234), (91, 54249),

Gene: StAugustine_92 Start: 69363, Stop: 69944, Start Num: 25
Candidate Starts for StAugustine_92:
(Start: 25 @69363 has 12 MA's), (42, 69432), (46, 69447), (58, 69534), (59, 69543), (61, 69558), (62, 69567), (71, 69627), (78, 69726), (103, 69939),

Gene: SwainyDoc_72 Start: 58307, Stop: 58906, Start Num: 30
Candidate Starts for SwainyDoc_72:
(Start: 30 @58307 has 53 MA's), (34, 58316), (35, 58322), (39, 58352), (44, 58376), (58, 58469), (61, 58493), (62, 58502), (68, 58535), (69, 58538), (71, 58562), (73, 58592), (78, 58649), (84, 58688), (91, 58733),

Gene: SynergyX_71 Start: 57923, Stop: 58522, Start Num: 30
Candidate Starts for SynergyX_71:
(Start: 30 @57923 has 53 MA's), (34, 57932), (35, 57938), (39, 57968), (44, 57992), (58, 58085), (61, 58109), (62, 58118), (68, 58151), (69, 58154), (71, 58178), (73, 58208), (78, 58265), (91, 58349),

Gene: TPA2_72 Start: 57781, Stop: 58404, Start Num: 22
Candidate Starts for TPA2_72:
(8, 57622), (11, 57667), (18, 57736), (22, 57781), (32, 57871), (41, 57916), (45, 57940), (47, 57952), (55, 58021), (57, 58030), (58, 58033), (64, 58081), (65, 58084), (72, 58153), (73, 58156), (74, 58159), (78, 58213), (83, 58246), (84, 58255), (86, 58267), (97, 58366), (99, 58375),

Gene: Thonko_73 Start: 57522, Stop: 58262, Start Num: 27
Candidate Starts for Thonko_73:
(10, 57327), (17, 57402), (Start: 27 @57522 has 1 MA's), (40, 57585), (43, 57606), (44, 57609), (50, 57654), (54, 57678), (60, 57717), (70, 57792), (81, 57894),

Gene: TinyTerror_72 Start: 58345, Stop: 58944, Start Num: 30
Candidate Starts for TinyTerror_72:
(Start: 30 @58345 has 53 MA's), (35, 58360), (44, 58414), (58, 58507), (61, 58531), (62, 58540), (68, 58573), (69, 58576), (71, 58600), (73, 58630), (78, 58687),

Gene: TraderJ_65 Start: 52573, Stop: 53139, Start Num: 25
Candidate Starts for TraderJ_65:
(13, 52462), (15, 52471), (Start: 25 @52573 has 12 MA's), (42, 52642), (53, 52711), (55, 52732), (56, 52738), (59, 52753), (62, 52777), (66, 52798), (72, 52864), (73, 52867), (75, 52876), (78, 52924), (79, 52930), (82, 52945), (91, 53008),

Gene: Tydolla_67 Start: 57917, Stop: 58513, Start Num: 30
Candidate Starts for Tydolla_67:
(Start: 30 @57917 has 53 MA's), (34, 57926), (39, 57959), (44, 57983), (58, 58076), (61, 58100), (62, 58109), (68, 58142), (69, 58145), (71, 58169), (73, 58199), (78, 58256), (84, 58295), (91, 58340),

Gene: Waleliano_67 Start: 59486, Stop: 60073, Start Num: 31
Candidate Starts for Waleliano_67:
(14, 59351), (16, 59360), (Start: 31 @59486 has 3 MA's), (38, 59516), (43, 59552), (44, 59555), (49, 59591), (56, 59642), (62, 59681), (63, 59684), (70, 59738), (71, 59741), (74, 59774), (76, 59783), (81, 59840), (82, 59849), (91, 59912), (102, 60014),

Gene: Wooper_66 Start: 52518, Stop: 53084, Start Num: 25

Candidate Starts for Wooper_66:
(Start: 25 @52518 has 12 MA's), (42, 52587), (53, 52656), (55, 52677), (56, 52683), (59, 52698), (62, 52722), (66, 52743), (72, 52809), (73, 52812), (75, 52821), (78, 52869), (79, 52875), (82, 52890), (91, 52953),

Gene: Yago84_61 Start: 51044, Stop: 51640, Start Num: 26
Candidate Starts for Yago84_61:
(Start: 26 @51044 has 12 MA's), (42, 51122), (51, 51179), (53, 51191), (55, 51212), (62, 51257), (66, 51278), (71, 51317), (72, 51344), (79, 51410), (82, 51425), (88, 51473), (91, 51488),

Gene: Yahalom_69 Start: 57728, Stop: 58327, Start Num: 30
Candidate Starts for Yahalom_69:
(Start: 30 @57728 has 53 MA's), (34, 57737), (35, 57743), (39, 57773), (44, 57797), (58, 57890), (61, 57914), (62, 57923), (68, 57956), (69, 57959), (71, 57983), (73, 58013), (78, 58070), (84, 58109), (91, 58154),

Gene: Yeshua_65 Start: 52495, Stop: 53061, Start Num: 25
Candidate Starts for Yeshua_65:
(Start: 25 @52495 has 12 MA's), (42, 52564), (53, 52633), (55, 52654), (56, 52660), (59, 52675), (62, 52699), (66, 52720), (72, 52786), (73, 52789), (75, 52798), (78, 52846), (79, 52852), (82, 52867), (91, 52930),

Gene: Yinz_71 Start: 57793, Stop: 58392, Start Num: 30
Candidate Starts for Yinz_71:
(Start: 30 @57793 has 53 MA's), (35, 57808), (44, 57862), (58, 57955), (61, 57979), (62, 57988), (68, 58021), (69, 58024), (71, 58048), (73, 58078), (78, 58135), (84, 58174),