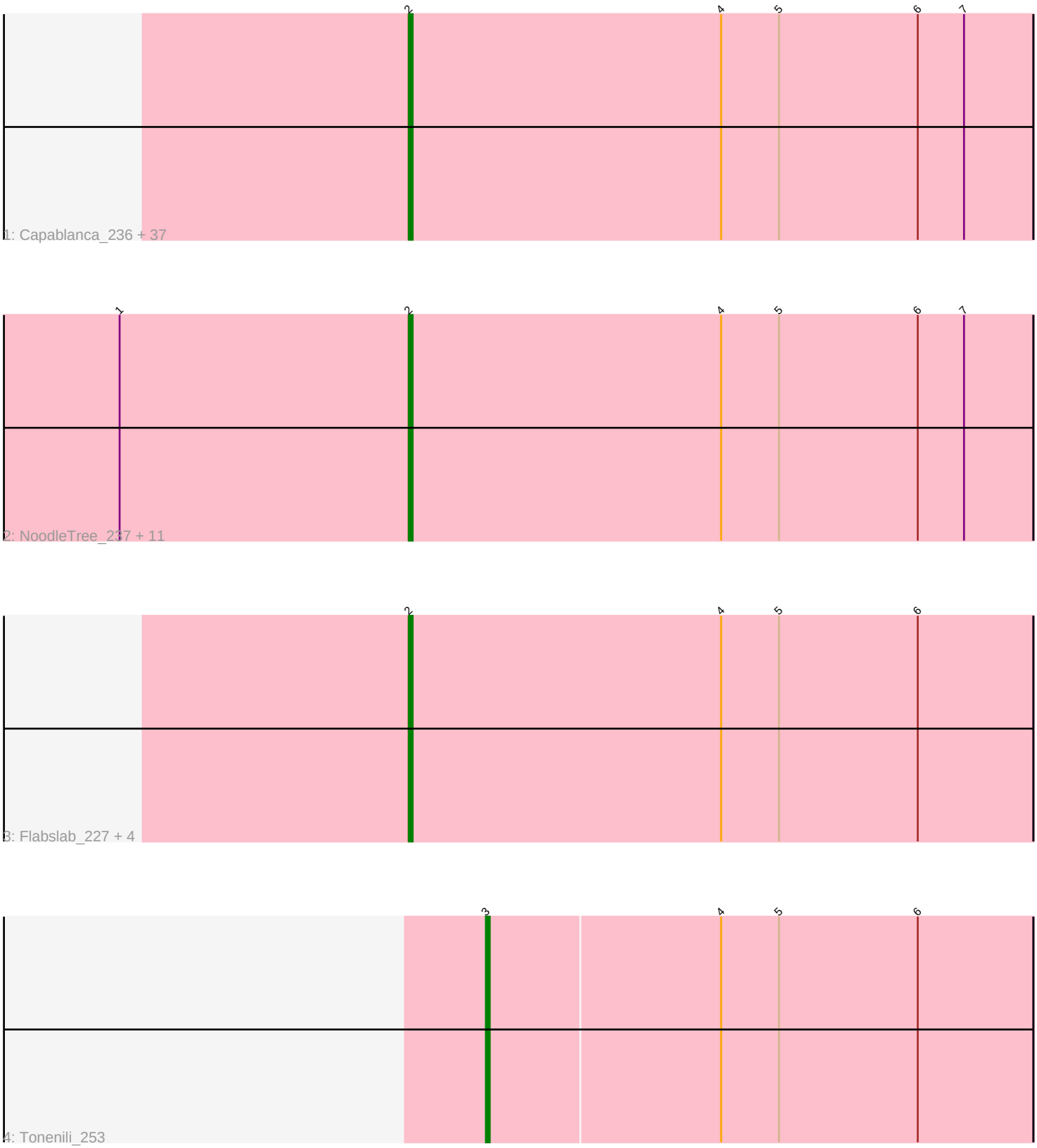
Pham 85678


2
4
5
6
7
1: Capablanca_236 + 37
1
2
4
5
6
7
2: NoodleTree_237 + 11
2
4
5
6
3: Flabslab_227 + 4
3
4
5
6
4: Tonenili_253

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 85678 Report

This analysis was run 04/28/24 on database version 559.

Pham number 85678 has 56 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Capablanca_236, Jessibeth14_231, FrayBell_234, Bigswole_236, Shnickers_230, Essence_229, Phox_232, Shaqnato_222, Ewok_230, Megamind_228, Ronan_227, CharlieB_225, Bonray_233, Koguma_230, EmToTheThree_231, Teardrop_229, Roots515_233, Salacia_232, PurduePete_231, EmmaElysia_236, Khaleesi_230, Daffodil_236, SmallFry_232, SrishMeg2525_228, Breeniome_230, Jaygup_228, Loanshark_228, Adlitam_231, McWolfish_228, Yassified_228, Zalkecks_230, Sprinklers_229, CindyLou_232, NedWong_230, Bipolarisk_229, Sauce_228, Jedediah_232, DrPhinkDaddy_228
• Track 2 : NoodleTree_237, Amataga_232, Tortoise16_229, Shelob_232, RoMag_226, TinyTim_229, Atlantean_231, Rahel_233, Nidhogg_232, Melpomini_226, Iota_226, ValleyTerrace_232
• Track 3 : Flabslab_227, Rabinovish_224, Sebata_234, Alice_218, Stubby_215
• Track 4 : Tonenili_253

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

The start number called the most often in the published annotations is 2, it was called in 55 of the 56 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adlitam_231, Alice_218, Amataga_232, Atlantean_231, Bigswole_236, Bipolarisk_229, Bonray_233, Breeniome_230, Capablanca_236, CharlieB_225, CindyLou_232, Daffodil_236, DrPhinkDaddy_228, EmToTheThree_231, EmmaElysia_236, Essence_229, Ewok_230, Flabslab_227, FrayBell_234, Iota_226, Jaygup_228, Jedediah_232, Jessibeth14_231, Khaleesi_230, Koguma_230, Loanshark_228, McWolfish_228, Megamind_228, Melpomini_226, NedWong_230, Nidhogg_232, NoodleTree_237, Phox_232, PurduePete_231, Rabinovish_224, Rahel_233, RoMag_226, Ronan_227, Roots515_233, Salacia_232, Sauce_228, Sebata_234, Shaqnato_222, Shelob_232, Shnickers_230, SmallFry_232, Sprinklers_229, SrishMeg2525_228, Stubby_215, Teardrop_229, TinyTim_229, Tortoise16_229, ValleyTerrace_232, Yassified_228, Zalkecks_230,

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

Genes that do not have the "Most Annotated" start:
• Tonenili_253,

Summary by start number:

Start 2:
• Found in 55 of 56 (98.2%) of genes in pham
• Manual Annotations of this start: 55 of 56
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adlitam_231 (C1), Alice_218 (C1), Amataga_232 (C1), Atlantean_231 (C1), Bigswole_236 (C1), Bipolarisk_229 (C1), Bonray_233 (C1), Breeniome_230 (C1), Capablanca_236 (C1), CharlieB_225 (C1), CindyLou_232 (C1), Daffodil_236 (C1), DrPhinkDaddy_228 (C1), EmToTheThree_231 (C1), EmmaElysia_236 (C1), Essence_229 (C1), Ewok_230 (C1), Flabslab_227 (C1), FrayBell_234 (C1), Iota_226 (C1), Jaygup_228 (C1), Jedediah_232 (C1), Jessibeth14_231 (C1), Khaleesi_230 (C1), Koguma_230 (C1), Loanshark_228 (C1), McWolfish_228 (C1), Megamind_228 (C1), Melpomini_226 (C1), NedWong_230 (C1), Nidhogg_232 (C1), NoodleTree_237 (C1), Phox_232 (C1), PurduePete_231 (C1), Rabinovish_224 (C1), Rahel_233 (C1), RoMag_226 (C1), Ronan_227 (C1), Roots515_233 (C1), Salacia_232 (C1), Sauce_228 (C1), Sebata_234 (C1), Shaqnato_222 (C1), Shelob_232 (C1), Shnickers_230 (C1), SmallFry_232 (C1), Sprinklers_229 (C1), SrishMeg2525_228 (C1), Stubby_215 (C1), Teardrop_229 (C1), TinyTim_229 (C1), Tortoise16_229 (C1), ValleyTerrace_232 (C1), Yassified_228 (C1), Zalkecks_230 (C1),

Start 3:
• Found in 1 of 56 (1.8%) of genes in pham
• Manual Annotations of this start: 1 of 56
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Tonenili_253 (C1),

Summary by clusters:

There is one cluster represented in this pham: C1

Info for manual annotations of cluster C1:
•Start number 2 was manually annotated 55 times for cluster C1.
•Start number 3 was manually annotated 1 time for cluster C1.

Gene Information:

Gene: Adlitam_231 Start: 128797, Stop: 128958, Start Num: 2
Candidate Starts for Adlitam_231:
(Start: 2 @128797 has 55 MA's), (4, 128878), (5, 128893), (6, 128929), (7, 128941),

Gene: Alice_218 Start: 126988, Stop: 127149, Start Num: 2
Candidate Starts for Alice_218:
(Start: 2 @126988 has 55 MA's), (4, 127069), (5, 127084), (6, 127120),

Gene: Amataga_232 Start: 127796, Stop: 127957, Start Num: 2

Candidate Starts for Amataga_232:
(1, 127721), (Start: 2 @127796 has 55 MA's), (4, 127877), (5, 127892), (6, 127928), (7, 127940),

Gene: Atlantean_231 Start: 127796, Stop: 127957, Start Num: 2
Candidate Starts for Atlantean_231:
(1, 127721), (Start: 2 @127796 has 55 MA's), (4, 127877), (5, 127892), (6, 127928), (7, 127940),

Gene: Bigswole_236 Start: 130364, Stop: 130525, Start Num: 2
Candidate Starts for Bigswole_236:
(Start: 2 @130364 has 55 MA's), (4, 130445), (5, 130460), (6, 130496), (7, 130508),

Gene: Bipolarisk_229 Start: 128524, Stop: 128685, Start Num: 2
Candidate Starts for Bipolarisk_229:
(Start: 2 @128524 has 55 MA's), (4, 128605), (5, 128620), (6, 128656), (7, 128668),

Gene: Bonray_233 Start: 129892, Stop: 130053, Start Num: 2
Candidate Starts for Bonray_233:
(Start: 2 @129892 has 55 MA's), (4, 129973), (5, 129988), (6, 130024), (7, 130036),

Gene: Breeniome_230 Start: 127353, Stop: 127514, Start Num: 2
Candidate Starts for Breeniome_230:
(Start: 2 @127353 has 55 MA's), (4, 127434), (5, 127449), (6, 127485), (7, 127497),

Gene: Capablanca_236 Start: 130521, Stop: 130682, Start Num: 2
Candidate Starts for Capablanca_236:
(Start: 2 @130521 has 55 MA's), (4, 130602), (5, 130617), (6, 130653), (7, 130665),

Gene: CharlieB_225 Start: 128021, Stop: 128182, Start Num: 2
Candidate Starts for CharlieB_225:
(Start: 2 @128021 has 55 MA's), (4, 128102), (5, 128117), (6, 128153), (7, 128165),

Gene: CindyLou_232 Start: 130158, Stop: 130319, Start Num: 2
Candidate Starts for CindyLou_232:
(Start: 2 @130158 has 55 MA's), (4, 130239), (5, 130254), (6, 130290), (7, 130302),

Gene: Daffodil_236 Start: 128824, Stop: 128985, Start Num: 2
Candidate Starts for Daffodil_236:
(Start: 2 @128824 has 55 MA's), (4, 128905), (5, 128920), (6, 128956), (7, 128968),

Gene: DrPhinkDaddy_228 Start: 129602, Stop: 129763, Start Num: 2
Candidate Starts for DrPhinkDaddy_228:
(Start: 2 @129602 has 55 MA's), (4, 129683), (5, 129698), (6, 129734), (7, 129746),

Gene: EmToTheThree_231 Start: 128941, Stop: 129102, Start Num: 2
Candidate Starts for EmToTheThree_231:
(Start: 2 @128941 has 55 MA's), (4, 129022), (5, 129037), (6, 129073), (7, 129085),

Gene: EmmaElysia_236 Start: 130053, Stop: 130214, Start Num: 2
Candidate Starts for EmmaElysia_236:
(Start: 2 @130053 has 55 MA's), (4, 130134), (5, 130149), (6, 130185), (7, 130197),

Gene: Essence_229 Start: 128394, Stop: 128555, Start Num: 2
Candidate Starts for Essence_229:

(Start: 2 @128394 has 55 MA's), (4, 128475), (5, 128490), (6, 128526), (7, 128538),

Gene: Ewok_230 Start: 128852, Stop: 129013, Start Num: 2
Candidate Starts for Ewok_230:
(Start: 2 @128852 has 55 MA's), (4, 128933), (5, 128948), (6, 128984), (7, 128996),

Gene: Flabslab_227 Start: 126068, Stop: 126229, Start Num: 2
Candidate Starts for Flabslab_227:
(Start: 2 @126068 has 55 MA's), (4, 126149), (5, 126164), (6, 126200),

Gene: FrayBell_234 Start: 127458, Stop: 127619, Start Num: 2
Candidate Starts for FrayBell_234:
(Start: 2 @127458 has 55 MA's), (4, 127539), (5, 127554), (6, 127590), (7, 127602),

Gene: Iota_226 Start: 128170, Stop: 128331, Start Num: 2
Candidate Starts for Iota_226:
(1, 128095), (Start: 2 @128170 has 55 MA's), (4, 128251), (5, 128266), (6, 128302), (7, 128314),

Gene: Jaygup_228 Start: 128319, Stop: 128480, Start Num: 2
Candidate Starts for Jaygup_228:
(Start: 2 @128319 has 55 MA's), (4, 128400), (5, 128415), (6, 128451), (7, 128463),

Gene: Jedediah_232 Start: 129372, Stop: 129533, Start Num: 2
Candidate Starts for Jedediah_232:
(Start: 2 @129372 has 55 MA's), (4, 129453), (5, 129468), (6, 129504), (7, 129516),

Gene: Jessibeth14_231 Start: 129567, Stop: 129728, Start Num: 2
Candidate Starts for Jessibeth14_231:
(Start: 2 @129567 has 55 MA's), (4, 129648), (5, 129663), (6, 129699), (7, 129711),

Gene: Khaleesi_230 Start: 129034, Stop: 129195, Start Num: 2
Candidate Starts for Khaleesi_230:
(Start: 2 @129034 has 55 MA's), (4, 129115), (5, 129130), (6, 129166), (7, 129178),

Gene: Koguma_230 Start: 127891, Stop: 128052, Start Num: 2
Candidate Starts for Koguma_230:
(Start: 2 @127891 has 55 MA's), (4, 127972), (5, 127987), (6, 128023), (7, 128035),

Gene: Loanshark_228 Start: 128383, Stop: 128544, Start Num: 2
Candidate Starts for Loanshark_228:
(Start: 2 @128383 has 55 MA's), (4, 128464), (5, 128479), (6, 128515), (7, 128527),

Gene: McWolfish_228 Start: 128245, Stop: 128406, Start Num: 2
Candidate Starts for McWolfish_228:
(Start: 2 @128245 has 55 MA's), (4, 128326), (5, 128341), (6, 128377), (7, 128389),

Gene: Megamind_228 Start: 128570, Stop: 128731, Start Num: 2
Candidate Starts for Megamind_228:
(Start: 2 @128570 has 55 MA's), (4, 128651), (5, 128666), (6, 128702), (7, 128714),

Gene: Melpomini_226 Start: 127330, Stop: 127491, Start Num: 2
Candidate Starts for Melpomini_226:
(1, 127255), (Start: 2 @127330 has 55 MA's), (4, 127411), (5, 127426), (6, 127462), (7, 127474),

Gene: NedWong_230 Start: 128957, Stop: 129118, Start Num: 2
Candidate Starts for NedWong_230:
(Start: 2 @128957 has 55 MA's), (4, 129038), (5, 129053), (6, 129089), (7, 129101),

Gene: Nidhogg_232 Start: 129325, Stop: 129486, Start Num: 2
Candidate Starts for Nidhogg_232:
(1, 129250), (Start: 2 @129325 has 55 MA's), (4, 129406), (5, 129421), (6, 129457), (7, 129469),

Gene: NoodleTree_237 Start: 129220, Stop: 129381, Start Num: 2
Candidate Starts for NoodleTree_237:
(1, 129145), (Start: 2 @129220 has 55 MA's), (4, 129301), (5, 129316), (6, 129352), (7, 129364),

Gene: Phox_232 Start: 128449, Stop: 128610, Start Num: 2
Candidate Starts for Phox_232:
(Start: 2 @128449 has 55 MA's), (4, 128530), (5, 128545), (6, 128581), (7, 128593),

Gene: PurduePete_231 Start: 129527, Stop: 129688, Start Num: 2
Candidate Starts for PurduePete_231:
(Start: 2 @129527 has 55 MA's), (4, 129608), (5, 129623), (6, 129659), (7, 129671),

Gene: Rabinovish_224 Start: 128436, Stop: 128597, Start Num: 2
Candidate Starts for Rabinovish_224:
(Start: 2 @128436 has 55 MA's), (4, 128517), (5, 128532), (6, 128568),

Gene: Rahel_233 Start: 128937, Stop: 129098, Start Num: 2
Candidate Starts for Rahel_233:
(1, 128862), (Start: 2 @128937 has 55 MA's), (4, 129018), (5, 129033), (6, 129069), (7, 129081),

Gene: RoMag_226 Start: 128533, Stop: 128694, Start Num: 2
Candidate Starts for RoMag_226:
(1, 128458), (Start: 2 @128533 has 55 MA's), (4, 128614), (5, 128629), (6, 128665), (7, 128677),

Gene: Ronan_227 Start: 126922, Stop: 127083, Start Num: 2
Candidate Starts for Ronan_227:
(Start: 2 @126922 has 55 MA's), (4, 127003), (5, 127018), (6, 127054), (7, 127066),

Gene: Roots515_233 Start: 130078, Stop: 130239, Start Num: 2
Candidate Starts for Roots515_233:
(Start: 2 @130078 has 55 MA's), (4, 130159), (5, 130174), (6, 130210), (7, 130222),

Gene: Salacia_232 Start: 129953, Stop: 130114, Start Num: 2
Candidate Starts for Salacia_232:
(Start: 2 @129953 has 55 MA's), (4, 130034), (5, 130049), (6, 130085), (7, 130097),

Gene: Sauce_228 Start: 128261, Stop: 128422, Start Num: 2
Candidate Starts for Sauce_228:
(Start: 2 @128261 has 55 MA's), (4, 128342), (5, 128357), (6, 128393), (7, 128405),

Gene: Sebata_234 Start: 129766, Stop: 129927, Start Num: 2
Candidate Starts for Sebata_234:
(Start: 2 @129766 has 55 MA's), (4, 129847), (5, 129862), (6, 129898),

Gene: Shaqnato_222 Start: 127659, Stop: 127820, Start Num: 2
Candidate Starts for Shaqnato_222:
(Start: 2 @127659 has 55 MA's), (4, 127740), (5, 127755), (6, 127791), (7, 127803),

Gene: Shelob_232 Start: 130396, Stop: 130557, Start Num: 2
Candidate Starts for Shelob_232:
(1, 130321), (Start: 2 @130396 has 55 MA's), (4, 130477), (5, 130492), (6, 130528), (7, 130540),

Gene: Shnickers_230 Start: 128319, Stop: 128480, Start Num: 2
Candidate Starts for Shnickers_230:
(Start: 2 @128319 has 55 MA's), (4, 128400), (5, 128415), (6, 128451), (7, 128463),

Gene: SmallFry_232 Start: 128413, Stop: 128574, Start Num: 2
Candidate Starts for SmallFry_232:
(Start: 2 @128413 has 55 MA's), (4, 128494), (5, 128509), (6, 128545), (7, 128557),

Gene: Sprinklers_229 Start: 128149, Stop: 128310, Start Num: 2
Candidate Starts for Sprinklers_229:
(Start: 2 @128149 has 55 MA's), (4, 128230), (5, 128245), (6, 128281), (7, 128293),

Gene: SrishMeg2525_228 Start: 129059, Stop: 129220, Start Num: 2
Candidate Starts for SrishMeg2525_228:
(Start: 2 @129059 has 55 MA's), (4, 129140), (5, 129155), (6, 129191), (7, 129203),

Gene: Stubby_215 Start: 126947, Stop: 127108, Start Num: 2
Candidate Starts for Stubby_215:
(Start: 2 @126947 has 55 MA's), (4, 127028), (5, 127043), (6, 127079),

Gene: Teardrop_229 Start: 127916, Stop: 128077, Start Num: 2
Candidate Starts for Teardrop_229:
(Start: 2 @127916 has 55 MA's), (4, 127997), (5, 128012), (6, 128048), (7, 128060),

Gene: TinyTim_229 Start: 127883, Stop: 128044, Start Num: 2
Candidate Starts for TinyTim_229:
(1, 127808), (Start: 2 @127883 has 55 MA's), (4, 127964), (5, 127979), (6, 128015), (7, 128027),

Gene: Tonenili_253 Start: 133737, Stop: 133877, Start Num: 3
Candidate Starts for Tonenili_253:
(Start: 3 @133737 has 1 MA's), (4, 133797), (5, 133812), (6, 133848),

Gene: Tortoise16_229 Start: 128345, Stop: 128506, Start Num: 2
Candidate Starts for Tortoise16_229:
(1, 128270), (Start: 2 @128345 has 55 MA's), (4, 128426), (5, 128441), (6, 128477), (7, 128489),

Gene: ValleyTerrace_232 Start: 127796, Stop: 127957, Start Num: 2
Candidate Starts for ValleyTerrace_232:
(1, 127721), (Start: 2 @127796 has 55 MA's), (4, 127877), (5, 127892), (6, 127928), (7, 127940),

Gene: Yassified_228 Start: 128132, Stop: 128293, Start Num: 2
Candidate Starts for Yassified_228:
(Start: 2 @128132 has 55 MA's), (4, 128213), (5, 128228), (6, 128264), (7, 128276),

Gene: Zalkecks_230 Start: 128548, Stop: 128709, Start Num: 2

Candidate Starts for Zalkecks_230:
(Start: 2 @128548 has 55 MA's), (4, 128629), (5, 128644), (6, 128680), (7, 128692),