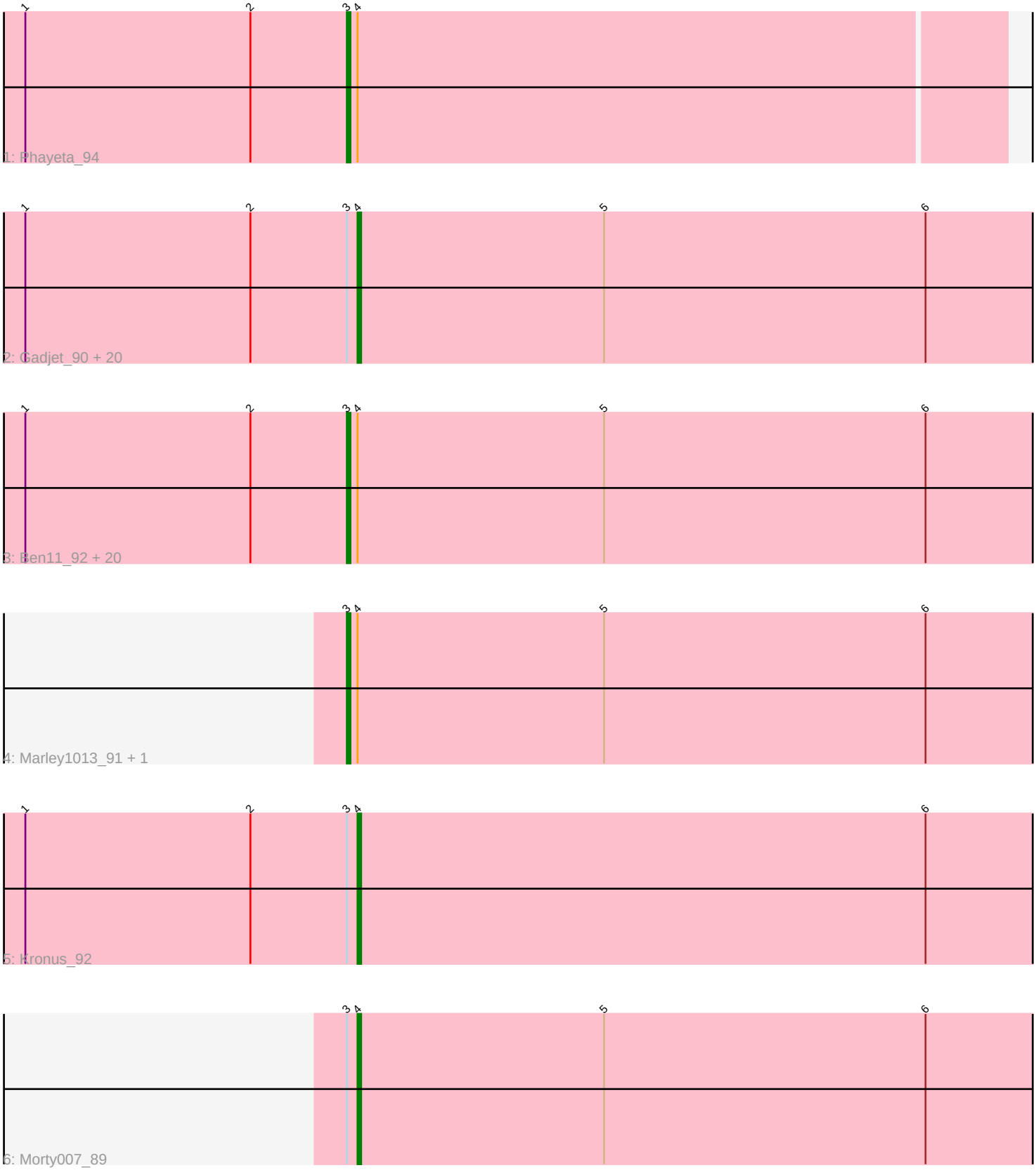
Pham 2127


1
2
3
4
1: Rhayeta_94
1
2
3
4
5
6
2: Gadjet_90 + 20
1
2
3
4
5
6
3: Ben11_92 + 20
3
4
5
6
4: Marley1013_91 + 1
1
2
3
4
6
5: Kronus_92
3
4
5
6
6: Morty007_89

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 2127 Report

This analysis was run 04/22/24 on database version 561.

Pham number 2127 has 47 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Phayeta_94
• Track 2 : Gadjet_90, Devonte_90, Deenasa_92, Daisy_91, Gervas_93, Kamiyu_92, Casbah_92, SlippinJimmy_95, Phlyer_92, GlenHope_93, Nozo_92, Phaedrus_87, ChaChing_92, Rita1961_93, Compostia_91, OrangeOswald_91, Akoma_92, Athena_94, Philly_91, Briakila_92, MmasiCarm_93
• Track 3 : Ben11_92, Chandler_92, Heathcliff_92, RomaT_92, RagingRooster_91, Corofin_92, HarveySr_89, Abinghost_92, Pipefish_91, Halfpint_92, Tydolla_88, Jackstina_86, Yahalom_90, Audrey_92, Bernardo_90, Mortcellus_92, Obutu_94, SynergyX_92, Baloo_91, Yinz_90, LestyG_90
• Track 4 : Marley1013_91, Neos5_90
• Track 5 : Kronus_92
• Track 6 : Morty007_89

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

The start number called the most often in the published annotations is 3, it was called in 22 of the 44 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abinghost_92, Audrey_92, Baloo_91, Ben11_92, Bernardo_90, Chandler_92, Corofin_92, Halfpint_92, HarveySr_89, Heathcliff_92, Jackstina_86, LestyG_90, Marley1013_91, Mortcellus_92, Neos5_90, Obutu_94, Phayeta_94, Pipefish_91, RagingRooster_91, RomaT_92, SynergyX_92, Tydolla_88, Yahalom_90, Yinz_90,

Genes that have the "Most Annotated" start but do not call it:
• Akoma_92, Athena_94, Briakila_92, Casbah_92, ChaChing_92, Compostia_91, Daisy_91, Deenasa_92, Devonte_90, Gadjet_90, Gervas_93, GlenHope_93, Kamiyu_92, Kronus_92, MmasiCarm_93, Morty007_89, Nozo_92, OrangeOswald_91, Phaedrus_87, Philly_91, Phlyer_92, Rita1961_93, SlippinJimmy_95,

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

Summary by start number:

Start 3:
• Found in 47 of 47 (100.0%) of genes in pham
• Manual Annotations of this start: 22 of 44
• Called 51.1% of time when present
• Phage (with cluster) where this start called: Abinghost_92 (B3), Audrey_92 (B3), Baloo_91 (B3), Ben11_92 (B3), Bernardo_90 (B3), Chandler_92 (B3), Corofin_92 (B3), Halfpint_92 (B3), HarveySr_89 (B3), Heathcliff_92 (B3), Jackstina_86 (B3), LestyG_90 (B3), Marley1013_91 (B3), Mortcellus_92 (B3), Neos5_90 (B3), Obutu_94 (B3), Phayeta_94 (B3), Pipefish_91 (B3), RagingRooster_91 (B3), RomaT_92 (B3), SynergyX_92 (B3), Tydolla_88 (B3), Yahalom_90 (B3), Yinz_90 (B3),

Start 4:
• Found in 47 of 47 (100.0%) of genes in pham
• Manual Annotations of this start: 22 of 44
• Called 48.9% of time when present
• Phage (with cluster) where this start called: Akoma_92 (B3), Athena_94 (B3), Briakila_92 (B3), Casbah_92 (B3), ChaChing_92 (B3), Compostia_91 (B3), Daisy_91 (B3), Deenasa_92 (B3), Devonte_90 (B3), Gadjet_90 (B3), Gervas_93 (B3), GlenHope_93 (B3), Kamiyu_92 (B3), Kronus_92 (B3), MmasiCarm_93 (B3), Morty007_89 (B3), Nozo_92 (B3), OrangeOswald_91 (B3), Phaedrus_87 (B3), Philly_91 (B3), Phlyer_92 (B3), Rita1961_93 (B3), SlippinJimmy_95 (B3),

Summary by clusters:

There is one cluster represented in this pham: B3

Info for manual annotations of cluster B3:
•Start number 3 was manually annotated 22 times for cluster B3.
•Start number 4 was manually annotated 22 times for cluster B3.

Gene Information:

Gene: Abinghost_92 Start: 64130, Stop: 63915, Start Num: 3
Candidate Starts for Abinghost_92:
(1, 64220), (2, 64157), (Start: 3 @64130 has 22 MA's), (Start: 4 @64127 has 22 MA's), (5, 64058), (6, 63968),

Gene: Akoma_92 Start: 64166, Stop: 63954, Start Num: 4
Candidate Starts for Akoma_92:
(1, 64259), (2, 64196), (Start: 3 @64169 has 22 MA's), (Start: 4 @64166 has 22 MA's), (5, 64097), (6, 64007),

Gene: Athena_94 Start: 64900, Stop: 64688, Start Num: 4
Candidate Starts for Athena_94:
(1, 64993), (2, 64930), (Start: 3 @64903 has 22 MA's), (Start: 4 @64900 has 22 MA's), (5, 64831), (6, 64741),

Gene: Audrey_92 Start: 64157, Stop: 63942, Start Num: 3
Candidate Starts for Audrey_92:

(1, 64247), (2, 64184), (Start: 3 @64157 has 22 MA's), (Start: 4 @64154 has 22 MA's), (5, 64085), (6, 63995),

Gene: Baloo_91 Start: 64010, Stop: 63795, Start Num: 3
Candidate Starts for Baloo_91:
(1, 64100), (2, 64037), (Start: 3 @64010 has 22 MA's), (Start: 4 @64007 has 22 MA's), (5, 63938), (6, 63848),

Gene: Ben11_92 Start: 64387, Stop: 64172, Start Num: 3
Candidate Starts for Ben11_92:
(1, 64477), (2, 64414), (Start: 3 @64387 has 22 MA's), (Start: 4 @64384 has 22 MA's), (5, 64315), (6, 64225),

Gene: Bernardo_90 Start: 63643, Stop: 63428, Start Num: 3
Candidate Starts for Bernardo_90:
(1, 63733), (2, 63670), (Start: 3 @63643 has 22 MA's), (Start: 4 @63640 has 22 MA's), (5, 63571), (6, 63481),

Gene: Briakila_92 Start: 64353, Stop: 64141, Start Num: 4
Candidate Starts for Briakila_92:
(1, 64446), (2, 64383), (Start: 3 @64356 has 22 MA's), (Start: 4 @64353 has 22 MA's), (5, 64284), (6, 64194),

Gene: Casbah_92 Start: 64469, Stop: 64257, Start Num: 4
Candidate Starts for Casbah_92:
(1, 64562), (2, 64499), (Start: 3 @64472 has 22 MA's), (Start: 4 @64469 has 22 MA's), (5, 64400), (6, 64310),

Gene: ChaChing_92 Start: 64167, Stop: 63955, Start Num: 4
Candidate Starts for ChaChing_92:
(1, 64260), (2, 64197), (Start: 3 @64170 has 22 MA's), (Start: 4 @64167 has 22 MA's), (5, 64098), (6, 64008),

Gene: Chandler_92 Start: 64946, Stop: 64731, Start Num: 3
Candidate Starts for Chandler_92:
(1, 65036), (2, 64973), (Start: 3 @64946 has 22 MA's), (Start: 4 @64943 has 22 MA's), (5, 64874), (6, 64784),

Gene: Compostia_91 Start: 64621, Stop: 64409, Start Num: 4
Candidate Starts for Compostia_91:
(1, 64714), (2, 64651), (Start: 3 @64624 has 22 MA's), (Start: 4 @64621 has 22 MA's), (5, 64552), (6, 64462),

Gene: Corofin_92 Start: 64181, Stop: 63966, Start Num: 3
Candidate Starts for Corofin_92:
(1, 64271), (2, 64208), (Start: 3 @64181 has 22 MA's), (Start: 4 @64178 has 22 MA's), (5, 64109), (6, 64019),

Gene: Daisy_91 Start: 63727, Stop: 63515, Start Num: 4
Candidate Starts for Daisy_91:
(1, 63820), (2, 63757), (Start: 3 @63730 has 22 MA's), (Start: 4 @63727 has 22 MA's), (5, 63658), (6, 63568),

Gene: Deenasa_92 Start: 65076, Stop: 64864, Start Num: 4
Candidate Starts for Deenasa_92:
(1, 65169), (2, 65106), (Start: 3 @65079 has 22 MA's), (Start: 4 @65076 has 22 MA's), (5, 65007), (6, 64917),

Gene: Devonte_90 Start: 63793, Stop: 63581, Start Num: 4
Candidate Starts for Devonte_90:
(1, 63886), (2, 63823), (Start: 3 @63796 has 22 MA's), (Start: 4 @63793 has 22 MA's), (5, 63724), (6, 63634),

Gene: Gadjet_90 Start: 63825, Stop: 63613, Start Num: 4
Candidate Starts for Gadjet_90:
(1, 63918), (2, 63855), (Start: 3 @63828 has 22 MA's), (Start: 4 @63825 has 22 MA's), (5, 63756), (6, 63666),

Gene: Gervas_93 Start: 64622, Stop: 64410, Start Num: 4
Candidate Starts for Gervas_93:
(1, 64715), (2, 64652), (Start: 3 @64625 has 22 MA's), (Start: 4 @64622 has 22 MA's), (5, 64553), (6, 64463),

Gene: GlenHope_93 Start: 64197, Stop: 63985, Start Num: 4
Candidate Starts for GlenHope_93:
(1, 64290), (2, 64227), (Start: 3 @64200 has 22 MA's), (Start: 4 @64197 has 22 MA's), (5, 64128), (6, 64038),

Gene: Halfpint_92 Start: 63945, Stop: 63730, Start Num: 3
Candidate Starts for Halfpint_92:
(1, 64035), (2, 63972), (Start: 3 @63945 has 22 MA's), (Start: 4 @63942 has 22 MA's), (5, 63873), (6, 63783),

Gene: HarveySr_89 Start: 63269, Stop: 63054, Start Num: 3
Candidate Starts for HarveySr_89:
(1, 63359), (2, 63296), (Start: 3 @63269 has 22 MA's), (Start: 4 @63266 has 22 MA's), (5, 63197), (6, 63107),

Gene: Heathcliff_92 Start: 64124, Stop: 63909, Start Num: 3
Candidate Starts for Heathcliff_92:
(1, 64214), (2, 64151), (Start: 3 @64124 has 22 MA's), (Start: 4 @64121 has 22 MA's), (5, 64052), (6, 63962),

Gene: Jackstina_86 Start: 64041, Stop: 63826, Start Num: 3
Candidate Starts for Jackstina_86:
(1, 64131), (2, 64068), (Start: 3 @64041 has 22 MA's), (Start: 4 @64038 has 22 MA's), (5, 63969), (6, 63879),

Gene: Kamiyu_92 Start: 64125, Stop: 63913, Start Num: 4
Candidate Starts for Kamiyu_92:
(1, 64218), (2, 64155), (Start: 3 @64128 has 22 MA's), (Start: 4 @64125 has 22 MA's), (5, 64056), (6, 63966),

Gene: Kronus_92 Start: 65209, Stop: 64997, Start Num: 4
Candidate Starts for Kronus_92:
(1, 65302), (2, 65239), (Start: 3 @65212 has 22 MA's), (Start: 4 @65209 has 22 MA's), (6, 65050),

Gene: LestyG_90 Start: 63699, Stop: 63484, Start Num: 3
Candidate Starts for LestyG_90:
(1, 63789), (2, 63726), (Start: 3 @63699 has 22 MA's), (Start: 4 @63696 has 22 MA's), (5, 63627), (6, 63537),

Gene: Marley1013_91 Start: 64621, Stop: 64406, Start Num: 3
Candidate Starts for Marley1013_91:
(Start: 3 @64621 has 22 MA's), (Start: 4 @64618 has 22 MA's), (5, 64549), (6, 64459),

Gene: MmasiCarm_93 Start: 64553, Stop: 64341, Start Num: 4
Candidate Starts for MmasiCarm_93:
(1, 64646), (2, 64583), (Start: 3 @64556 has 22 MA's), (Start: 4 @64553 has 22 MA's), (5, 64484), (6, 64394),

Gene: Mortcellus_92 Start: 65294, Stop: 65079, Start Num: 3
Candidate Starts for Mortcellus_92:
(1, 65384), (2, 65321), (Start: 3 @65294 has 22 MA's), (Start: 4 @65291 has 22 MA's), (5, 65222), (6, 65132),

Gene: Morty007_89 Start: 64618, Stop: 64406, Start Num: 4
Candidate Starts for Morty007_89:
(Start: 3 @64621 has 22 MA's), (Start: 4 @64618 has 22 MA's), (5, 64549), (6, 64459),

Gene: Neos5_90 Start: 64077, Stop: 63862, Start Num: 3
Candidate Starts for Neos5_90:
(Start: 3 @64077 has 22 MA's), (Start: 4 @64074 has 22 MA's), (5, 64005), (6, 63915),

Gene: Nozo_92 Start: 64932, Stop: 64720, Start Num: 4
Candidate Starts for Nozo_92:
(1, 65025), (2, 64962), (Start: 3 @64935 has 22 MA's), (Start: 4 @64932 has 22 MA's), (5, 64863), (6, 64773),

Gene: Obutu_94 Start: 64739, Stop: 64524, Start Num: 3
Candidate Starts for Obutu_94:
(1, 64829), (2, 64766), (Start: 3 @64739 has 22 MA's), (Start: 4 @64736 has 22 MA's), (5, 64667), (6, 64577),

Gene: OrangeOswald_91 Start: 64167, Stop: 63955, Start Num: 4
Candidate Starts for OrangeOswald_91:
(1, 64260), (2, 64197), (Start: 3 @64170 has 22 MA's), (Start: 4 @64167 has 22 MA's), (5, 64098), (6, 64008),

Gene: Phaedrus_87 Start: 63582, Stop: 63370, Start Num: 4
Candidate Starts for Phaedrus_87:
(1, 63675), (2, 63612), (Start: 3 @63585 has 22 MA's), (Start: 4 @63582 has 22 MA's), (5, 63513), (6, 63423),

Gene: Phayeta_94 Start: 64259, Stop: 64077, Start Num: 3
Candidate Starts for Phayeta_94:
(1, 64349), (2, 64286), (Start: 3 @64259 has 22 MA's), (Start: 4 @64256 has 22 MA's),

Gene: Philly_91 Start: 64015, Stop: 63803, Start Num: 4

Candidate Starts for Philly_91:
(1, 64108), (2, 64045), (Start: 3 @64018 has 22 MA's), (Start: 4 @64015 has 22 MA's), (5, 63946), (6, 63856),

Gene: Phlyer_92 Start: 64877, Stop: 64665, Start Num: 4
Candidate Starts for Phlyer_92:
(1, 64970), (2, 64907), (Start: 3 @64880 has 22 MA's), (Start: 4 @64877 has 22 MA's), (5, 64808), (6, 64718),

Gene: Pipefish_91 Start: 64572, Stop: 64357, Start Num: 3
Candidate Starts for Pipefish_91:
(1, 64662), (2, 64599), (Start: 3 @64572 has 22 MA's), (Start: 4 @64569 has 22 MA's), (5, 64500), (6, 64410),

Gene: RagingRooster_91 Start: 63861, Stop: 63646, Start Num: 3
Candidate Starts for RagingRooster_91:
(1, 63951), (2, 63888), (Start: 3 @63861 has 22 MA's), (Start: 4 @63858 has 22 MA's), (5, 63789), (6, 63699),

Gene: Rita1961_93 Start: 64508, Stop: 64296, Start Num: 4
Candidate Starts for Rita1961_93:
(1, 64601), (2, 64538), (Start: 3 @64511 has 22 MA's), (Start: 4 @64508 has 22 MA's), (5, 64439), (6, 64349),

Gene: RomaT_92 Start: 64734, Stop: 64519, Start Num: 3
Candidate Starts for RomaT_92:
(1, 64824), (2, 64761), (Start: 3 @64734 has 22 MA's), (Start: 4 @64731 has 22 MA's), (5, 64662), (6, 64572),

Gene: SlippinJimmy_95 Start: 65531, Stop: 65319, Start Num: 4
Candidate Starts for SlippinJimmy_95:
(1, 65624), (2, 65561), (Start: 3 @65534 has 22 MA's), (Start: 4 @65531 has 22 MA's), (5, 65462), (6, 65372),

Gene: SynergyX_92 Start: 64171, Stop: 63956, Start Num: 3
Candidate Starts for SynergyX_92:
(1, 64261), (2, 64198), (Start: 3 @64171 has 22 MA's), (Start: 4 @64168 has 22 MA's), (5, 64099), (6, 64009),

Gene: Tydolla_88 Start: 64152, Stop: 63937, Start Num: 3
Candidate Starts for Tydolla_88:
(1, 64242), (2, 64179), (Start: 3 @64152 has 22 MA's), (Start: 4 @64149 has 22 MA's), (5, 64080), (6, 63990),

Gene: Yahalom_90 Start: 63977, Stop: 63762, Start Num: 3
Candidate Starts for Yahalom_90:
(1, 64067), (2, 64004), (Start: 3 @63977 has 22 MA's), (Start: 4 @63974 has 22 MA's), (5, 63905), (6, 63815),

Gene: Yinz_90 Start: 63573, Stop: 63358, Start Num: 3
Candidate Starts for Yinz_90:
(1, 63663), (2, 63600), (Start: 3 @63573 has 22 MA's), (Start: 4 @63570 has 22 MA's), (5, 63501), (6, 63411),