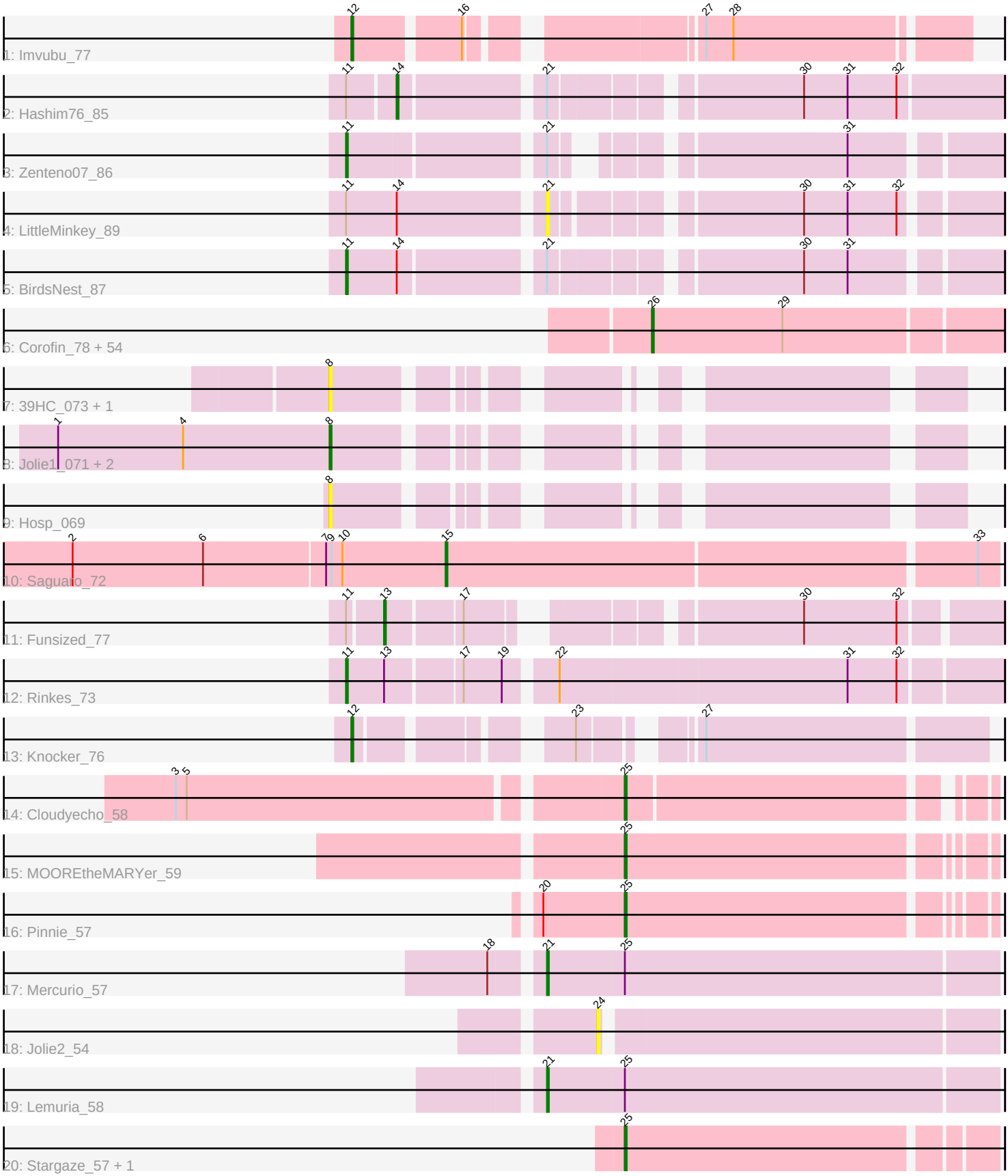
Pham 347543


1: Imvubu_77
2: Hashim76_85
3: Zenteno07_86
4: LittleMinkey_89
5: BirdsNest_87
6: Corofin_78 + 54
7: 39HC_073 + 1
8: Jolie1_071 + 2
9: Hosp_069
10: Saguaro_72
11: Funsized_77
12: Rinkes_73
13: Knocker_76
14: Cloudyecho_58
15: MOOREtheMARYer_59
16: Pinnie_57
17: Mercurio_57
18: Jolie2_54
19: Lemuria_58
20: Stargaze_57 + 1

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 347543 Report

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

Pham number 347543 has 78 members, 9 are drafts.

Phages represented in each track:
• Track 1 : Imvubu_77
• Track 2 : Hashim76_85
• Track 3 : Zenteno07_86
• Track 4 : LittleMinkey_89
• Track 5 : BirdsNest_87
• Track 6 : Corofin_78, Akoma_78, Gervas_79, Ben11_78, Jackstina_73, SwainyDoc_79, Briakila_78, LestyG_76, OrangeOswald_78, Daisy_77, HarveySr_77, Abinghost_78, Deenasa_78, Chalmers_77, Philly_77, Kamiyu_78, Olivio_78, Audrey_78, Obutu_80, Kronus_78, Gadjet_79, Phaedrus_73, Athena_80, Morty007_77, Nozo_78, Phlyer_78, Rita1961_79, Marlia_79, Marley1013_79, RomaT_78, Yahalom_76, Halfpint_77, Glubnar_79, Baloo_77, Tydolla_74, TinyTerror_79, Phayeta_81, Chentzyk_80, Bernardo_79, MmasiCarm_79, Heathcliff_78, Mortcellus_78, Devonte_77, SynergyX_78, Casbah_78, Yinz_78, GlenHope_79, Shenandoah_77, Chandler_78, Mulaychimus_79, RagingRooster_77, Pipefish_80, Compostia_77, Neos5_78, ChaChing_78
• Track 7 : 39HC_073, 40BC_073
• Track 8 : Jolie1_071, Minnow_74, KayaCho_71
• Track 9 : Hosp_069
• Track 10 : Saguaro_72
• Track 11 : Funsized_77
• Track 12 : Rinkes_73
• Track 13 : Knocker_76
• Track 14 : Cloudyecho_58
• Track 15 : MOOREtheMARYer_59
• Track 16 : Pinnie_57
• Track 17 : Mercurio_57
• Track 18 : Jolie2_54
• Track 19 : Lemuria_58
• Track 20 : Stargaze_57, YangYin_58

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

The start number called the most often in the published annotations is 26, it was called in 53 of the 69 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abinghost_78, Akoma_78, Athena_80, Audrey_78, Baloo_77, Ben11_78, Bernardo_79, Briakila_78, Casbah_78, ChaChing_78, Chalmers_77, Chandler_78, Chentzyk_80, Compostia_77, Corofin_78, Daisy_77, Deenasa_78, Devonte_77, Gadjet_79, Gervas_79, GlenHope_79, Glubnar_79, Halfpint_77, HarveySr_77, Heathcliff_78, Jackstina_73, Kamiyu_78, Kronus_78, LestyG_76, Marley1013_79, Marlia_79, MmasiCarm_79, Mortcellus_78, Morty007_77, Mulaychimus_79, Neos5_78, Nozo_78, Obutu_80, Olivio_78, OrangeOswald_78, Phaedrus_73, Phayeta_81, Philly_77, Phlyer_78, Pipefish_80, RagingRooster_77, Rita1961_79, RomaT_78, Shenandoah_77, SwainyDoc_79, SynergyX_78, TinyTerror_79, Tydolla_74, Yahalom_76, Yinz_78,

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

Genes that do not have the "Most Annotated" start:
• 39HC_073, 40BC_073, BirdsNest_87, Cloudyecho_58, Funsized_77, Hashim76_85, Hosp_069, Imvubu_77, Jolie1_071, Jolie2_54, KayaCho_71, Knocker_76, Lemuria_58, LittleMinkey_89, MOOREtheMARYer_59, Mercurio_57, Minnow_74, Pinnie_57, Rinkes_73, Saguaro_72, Stargaze_57, YangYin_58, Zenteno07_86,

Summary by start number:

Start 8:
• Found in 6 of 78 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 69
• Called 100.0% of time when present
• Phage (with cluster) where this start called: 39HC_073 (B6), 40BC_073 (B6), Hosp_069 (B6), Jolie1_071 (B6), KayaCho_71 (B6), Minnow_74 (B6),

Start 11:
• Found in 6 of 78 (7.7%) of genes in pham
• Manual Annotations of this start: 3 of 69
• Called 50.0% of time when present
• Phage (with cluster) where this start called: BirdsNest_87 (B13), Rinkes_73 (B9), Zenteno07_86 (B13),

Start 12:
• Found in 2 of 78 (2.6%) of genes in pham
• Manual Annotations of this start: 2 of 69
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Imvubu_77 (B10), Knocker_76 (B9),

Start 13:
• Found in 2 of 78 (2.6%) of genes in pham
• Manual Annotations of this start: 1 of 69
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Funsized_77 (B9),

Start 14:
• Found in 3 of 78 (3.8%) of genes in pham
• Manual Annotations of this start: 1 of 69

• Called 33.3% of time when present
• Phage (with cluster) where this start called: Hashim76_85 (B13),

Start 15:
• Found in 1 of 78 (1.3%) of genes in pham
• Manual Annotations of this start: 1 of 69
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Saguaro_72 (B7),

Start 21:
• Found in 6 of 78 (7.7%) of genes in pham
• Manual Annotations of this start: 2 of 69
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Lemuria_58 (G4), LittleMinkey_89 (B13), Mercurio_57 (G4),

Start 24:
• Found in 1 of 78 (1.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jolie2_54 (G4),

Start 25:
• Found in 7 of 78 (9.0%) of genes in pham
• Manual Annotations of this start: 5 of 69
• Called 71.4% of time when present
• Phage (with cluster) where this start called: Cloudyecho_58 (G3), MOOREtheMARYer_59 (G3), Pinnie_57 (G3), Stargaze_57 (G5), YangYin_58 (G5),

Start 26:
• Found in 55 of 78 (70.5%) of genes in pham
• Manual Annotations of this start: 53 of 69
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abinghost_78 (B3), Akoma_78 (B3), Athena_80 (B3), Audrey_78 (B3), Baloo_77 (B3), Ben11_78 (B3), Bernardo_79 (B3), Briakila_78 (B3), Casbah_78 (B3), ChaChing_78 (B3), Chalmers_77 (B3), Chandler_78 (B3), Chentzyk_80 (B3), Compostia_77 (B3), Corofin_78 (B3), Daisy_77 (B3), Deenasa_78 (B3), Devonte_77 (B3), Gadjet_79 (B3), Gervas_79 (B3), GlenHope_79 (B3), Glubnar_79 (B3), Halfpint_77 (B3), HarveySr_77 (B3), Heathcliff_78 (B3), Jackstina_73 (B3), Kamiyu_78 (B3), Kronus_78 (B3), LestyG_76 (B3), Marley1013_79 (B3), Marlia_79 (B3), MmasiCarm_79 (B3), Mortcellus_78 (B3), Morty007_77 (B3), Mulaychimus_79 (B3), Neos5_78 (B3), Nozo_78 (B3), Obutu_80 (B3), Olivio_78 (B3), OrangeOswald_78 (B3), Phaedrus_73 (B3), Phayeta_81 (B3), Philly_77 (B3), Phlyer_78 (B3), Pipefish_80 (B3), RagingRooster_77 (B3), Rita1961_79 (B3), RomaT_78 (B3), Shenandoah_77 (B3), SwainyDoc_79 (B3), SynergyX_78 (B3), TinyTerror_79 (B3), Tydolla_74 (B3), Yahalom_76 (B3), Yinz_78 (B3),

Summary by clusters:

There are 9 clusters represented in this pham: G5, G4, G3, B6, B7, B13, B10, B3, B9,

Info for manual annotations of cluster B10:

•Start number 12 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B13:
•Start number 11 was manually annotated 2 times for cluster B13.
•Start number 14 was manually annotated 1 time for cluster B13.

Info for manual annotations of cluster B3:
•Start number 26 was manually annotated 53 times for cluster B3.

Info for manual annotations of cluster B6:
•Start number 8 was manually annotated 1 time for cluster B6.

Info for manual annotations of cluster B7:
•Start number 15 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B9:
•Start number 11 was manually annotated 1 time for cluster B9.
•Start number 12 was manually annotated 1 time for cluster B9.
•Start number 13 was manually annotated 1 time for cluster B9.

Info for manual annotations of cluster G3:
•Start number 25 was manually annotated 3 times for cluster G3.

Info for manual annotations of cluster G4:
•Start number 21 was manually annotated 2 times for cluster G4.

Info for manual annotations of cluster G5:
•Start number 25 was manually annotated 2 times for cluster G5.

Gene Information:

Gene: 39HC_073 Start: 60781, Stop: 61050, Start Num: 8
Candidate Starts for 39HC_073:
(Start: 8 @60781 has 1 MA's),

Gene: 40BC_073 Start: 60781, Stop: 61050, Start Num: 8
Candidate Starts for 40BC_073:
(Start: 8 @60781 has 1 MA's),

Gene: Abinghost_78 Start: 60573, Stop: 60385, Start Num: 26
Candidate Starts for Abinghost_78:
(Start: 26 @60573 has 53 MA's), (29, 60501),

Gene: Akoma_78 Start: 60613, Stop: 60425, Start Num: 26
Candidate Starts for Akoma_78:
(Start: 26 @60613 has 53 MA's), (29, 60541),

Gene: Athena_80 Start: 61348, Stop: 61160, Start Num: 26
Candidate Starts for Athena_80:
(Start: 26 @61348 has 53 MA's), (29, 61276),

Gene: Audrey_78 Start: 60602, Stop: 60414, Start Num: 26
Candidate Starts for Audrey_78:
(Start: 26 @60602 has 53 MA's), (29, 60530),

Gene: Baloo_77 Start: 60454, Stop: 60266, Start Num: 26
Candidate Starts for Baloo_77:
(Start: 26 @60454 has 53 MA's), (29, 60382),

Gene: Ben11_78 Start: 60829, Stop: 60641, Start Num: 26
Candidate Starts for Ben11_78:
(Start: 26 @60829 has 53 MA's), (29, 60757),

Gene: Bernardo_79 Start: 60792, Stop: 60604, Start Num: 26
Candidate Starts for Bernardo_79:
(Start: 26 @60792 has 53 MA's), (29, 60720),

Gene: BirdsNest_87 Start: 64270, Stop: 64590, Start Num: 11
Candidate Starts for BirdsNest_87:
(Start: 11 @64270 has 3 MA's), (Start: 14 @64297 has 1 MA's), (Start: 21 @64369 has 2 MA's), (30, 64492), (31, 64516),

Gene: Briakila_78 Start: 60800, Stop: 60612, Start Num: 26
Candidate Starts for Briakila_78:
(Start: 26 @60800 has 53 MA's), (29, 60728),

Gene: Casbah_78 Start: 60913, Stop: 60725, Start Num: 26
Candidate Starts for Casbah_78:
(Start: 26 @60913 has 53 MA's), (29, 60841),

Gene: ChaChing_78 Start: 60618, Stop: 60430, Start Num: 26
Candidate Starts for ChaChing_78:
(Start: 26 @60618 has 53 MA's), (29, 60546),

Gene: Chalmers_77 Start: 61048, Stop: 60860, Start Num: 26
Candidate Starts for Chalmers_77:
(Start: 26 @61048 has 53 MA's), (29, 60976),

Gene: Chandler_78 Start: 61389, Stop: 61201, Start Num: 26
Candidate Starts for Chandler_78:
(Start: 26 @61389 has 53 MA's), (29, 61317),

Gene: Chentzyk_80 Start: 61556, Stop: 61368, Start Num: 26
Candidate Starts for Chentzyk_80:
(Start: 26 @61556 has 53 MA's), (29, 61484),

Gene: Cloudyecho_58 Start: 41162, Stop: 41344, Start Num: 25
Candidate Starts for Cloudyecho_58:
(3, 40928), (5, 40934), (Start: 25 @41162 has 5 MA's),

Gene: Compostia_77 Start: 61058, Stop: 60870, Start Num: 26
Candidate Starts for Compostia_77:
(Start: 26 @61058 has 53 MA's), (29, 60986),

Gene: Corofin_78 Start: 60624, Stop: 60436, Start Num: 26
Candidate Starts for Corofin_78:
(Start: 26 @60624 has 53 MA's), (29, 60552),

Gene: Daisy_77 Start: 60175, Stop: 59987, Start Num: 26
Candidate Starts for Daisy_77:
(Start: 26 @60175 has 53 MA's), (29, 60103),

Gene: Deenasa_78 Start: 61524, Stop: 61336, Start Num: 26
Candidate Starts for Deenasa_78:
(Start: 26 @61524 has 53 MA's), (29, 61452),

Gene: Devonte_77 Start: 60240, Stop: 60052, Start Num: 26
Candidate Starts for Devonte_77:
(Start: 26 @60240 has 53 MA's), (29, 60168),

Gene: Funsized_77 Start: 64431, Stop: 64721, Start Num: 13
Candidate Starts for Funsized_77:
(Start: 11 @64413 has 3 MA's), (Start: 13 @64431 has 1 MA's), (17, 64470), (30, 64620), (32, 64671),

Gene: Gadjet_79 Start: 60975, Stop: 60787, Start Num: 26
Candidate Starts for Gadjet_79:
(Start: 26 @60975 has 53 MA's), (29, 60903),

Gene: Gervas_79 Start: 61069, Stop: 60881, Start Num: 26
Candidate Starts for Gervas_79:
(Start: 26 @61069 has 53 MA's), (29, 60997),

Gene: GlenHope_79 Start: 60648, Stop: 60460, Start Num: 26
Candidate Starts for GlenHope_79:
(Start: 26 @60648 has 53 MA's), (29, 60576),

Gene: Glubnar_79 Start: 60507, Stop: 60319, Start Num: 26
Candidate Starts for Glubnar_79:
(Start: 26 @60507 has 53 MA's), (29, 60435),

Gene: Halfpint_77 Start: 60390, Stop: 60202, Start Num: 26
Candidate Starts for Halfpint_77:
(Start: 26 @60390 has 53 MA's), (29, 60318),

Gene: HarveySr_77 Start: 60159, Stop: 59971, Start Num: 26
Candidate Starts for HarveySr_77:
(Start: 26 @60159 has 53 MA's), (29, 60087),

Gene: Hashim76_85 Start: 64228, Stop: 64530, Start Num: 14
Candidate Starts for Hashim76_85:
(Start: 11 @64204 has 3 MA's), (Start: 14 @64228 has 1 MA's), (Start: 21 @64300 has 2 MA's), (30, 64423), (31, 64447), (32, 64474),

Gene: Heathcliff_78 Start: 60569, Stop: 60381, Start Num: 26
Candidate Starts for Heathcliff_78:
(Start: 26 @60569 has 53 MA's), (29, 60497),

Gene: Hosp_069 Start: 58358, Stop: 58627, Start Num: 8
Candidate Starts for Hosp_069:
(Start: 8 @58358 has 1 MA's),

Gene: Imvubu_77 Start: 61268, Stop: 61567, Start Num: 12
Candidate Starts for Imvubu_77:
(Start: 12 @61268 has 2 MA's), (16, 61322), (27, 61430), (28, 61445),

Gene: Jackstina_73 Start: 60483, Stop: 60295, Start Num: 26
Candidate Starts for Jackstina_73:
(Start: 26 @60483 has 53 MA's), (29, 60411),

Gene: Jolie1_071 Start: 60501, Stop: 60770, Start Num: 8
Candidate Starts for Jolie1_071:
(1, 60351), (4, 60420), (Start: 8 @60501 has 1 MA's),

Gene: Jolie2_54 Start: 39612, Stop: 39821, Start Num: 24
Candidate Starts for Jolie2_54:
(24, 39612),

Gene: Kamiyu_78 Start: 60572, Stop: 60384, Start Num: 26
Candidate Starts for Kamiyu_78:
(Start: 26 @60572 has 53 MA's), (29, 60500),

Gene: KayaCho_71 Start: 60493, Stop: 60771, Start Num: 8
Candidate Starts for KayaCho_71:
(1, 60343), (4, 60412), (Start: 8 @60493 has 1 MA's),

Gene: Knocker_76 Start: 62900, Stop: 63190, Start Num: 12
Candidate Starts for Knocker_76:
(Start: 12 @62900 has 2 MA's), (23, 62993), (27, 63041),

Gene: Kronus_78 Start: 61656, Stop: 61468, Start Num: 26
Candidate Starts for Kronus_78:
(Start: 26 @61656 has 53 MA's), (29, 61584),

Gene: Lemuria_58 Start: 41205, Stop: 41450, Start Num: 21
Candidate Starts for Lemuria_58:
(Start: 21 @41205 has 2 MA's), (Start: 25 @41247 has 5 MA's),

Gene: LestyG_76 Start: 60142, Stop: 59954, Start Num: 26
Candidate Starts for LestyG_76:
(Start: 26 @60142 has 53 MA's), (29, 60070),

Gene: LittleMinkey_89 Start: 63936, Stop: 64154, Start Num: 21
Candidate Starts for LittleMinkey_89:
(Start: 11 @63834 has 3 MA's), (Start: 14 @63861 has 1 MA's), (Start: 21 @63936 has 2 MA's), (30, 64056), (31, 64080), (32, 64107),

Gene: MOOREtheMARYer_59 Start: 40807, Stop: 40995, Start Num: 25
Candidate Starts for MOOREtheMARYer_59:
(Start: 25 @40807 has 5 MA's),

Gene: Marley1013_79 Start: 61508, Stop: 61320, Start Num: 26
Candidate Starts for Marley1013_79:
(Start: 26 @61508 has 53 MA's), (29, 61436),

Gene: Marlia_79 Start: 61041, Stop: 60853, Start Num: 26
Candidate Starts for Marlia_79:
(Start: 26 @61041 has 53 MA's), (29, 60969),

Gene: Mercurio_57 Start: 41698, Stop: 41943, Start Num: 21
Candidate Starts for Mercurio_57:
(18, 41674), (Start: 21 @41698 has 2 MA's), (Start: 25 @41740 has 5 MA's),

Gene: Minnow_74 Start: 60688, Stop: 60966, Start Num: 8
Candidate Starts for Minnow_74:
(1, 60538), (4, 60607), (Start: 8 @60688 has 1 MA's),

Gene: MmasiCarm_79 Start: 61011, Stop: 60823, Start Num: 26
Candidate Starts for MmasiCarm_79:
(Start: 26 @61011 has 53 MA's), (29, 60939),

Gene: Mortcellus_78 Start: 61727, Stop: 61539, Start Num: 26
Candidate Starts for Mortcellus_78:
(Start: 26 @61727 has 53 MA's), (29, 61655),

Gene: Morty007_77 Start: 61508, Stop: 61320, Start Num: 26
Candidate Starts for Morty007_77:
(Start: 26 @61508 has 53 MA's), (29, 61436),

Gene: Mulaychimus_79 Start: 61021, Stop: 60833, Start Num: 26
Candidate Starts for Mulaychimus_79:
(Start: 26 @61021 has 53 MA's), (29, 60949),

Gene: Neos5_78 Start: 60970, Stop: 60782, Start Num: 26
Candidate Starts for Neos5_78:
(Start: 26 @60970 has 53 MA's), (29, 60898),

Gene: Nozo_78 Start: 61379, Stop: 61191, Start Num: 26
Candidate Starts for Nozo_78:
(Start: 26 @61379 has 53 MA's), (29, 61307),

Gene: Obutu_80 Start: 61182, Stop: 60994, Start Num: 26
Candidate Starts for Obutu_80:
(Start: 26 @61182 has 53 MA's), (29, 61110),

Gene: Olivio_78 Start: 60823, Stop: 60635, Start Num: 26
Candidate Starts for Olivio_78:
(Start: 26 @60823 has 53 MA's), (29, 60751),

Gene: OrangeOswald_78 Start: 60613, Stop: 60425, Start Num: 26
Candidate Starts for OrangeOswald_78:
(Start: 26 @60613 has 53 MA's), (29, 60541),

Gene: Phaedrus_73 Start: 60030, Stop: 59842, Start Num: 26

Candidate Starts for Phaedrus_73:
(Start: 26 @60030 has 53 MA's), (29, 59958),

Gene: Phayeta_81 Start: 61099, Stop: 60911, Start Num: 26
Candidate Starts for Phayeta_81:
(Start: 26 @61099 has 53 MA's), (29, 61027),

Gene: Philly_77 Start: 60462, Stop: 60274, Start Num: 26
Candidate Starts for Philly_77:
(Start: 26 @60462 has 53 MA's), (29, 60390),

Gene: Phlyer_78 Start: 61325, Stop: 61137, Start Num: 26
Candidate Starts for Phlyer_78:
(Start: 26 @61325 has 53 MA's), (29, 61253),

Gene: Pinnie_57 Start: 40921, Stop: 41109, Start Num: 25
Candidate Starts for Pinnie_57:
(20, 40876), (Start: 25 @40921 has 5 MA's),

Gene: Pipefish_80 Start: 61721, Stop: 61533, Start Num: 26
Candidate Starts for Pipefish_80:
(Start: 26 @61721 has 53 MA's), (29, 61649),

Gene: RagingRooster_77 Start: 60305, Stop: 60117, Start Num: 26
Candidate Starts for RagingRooster_77:
(Start: 26 @60305 has 53 MA's), (29, 60233),

Gene: Rinkes_73 Start: 61989, Stop: 62330, Start Num: 11
Candidate Starts for Rinkes_73:
(Start: 11 @61989 has 3 MA's), (Start: 13 @62010 has 1 MA's), (17, 62049), (19, 62070), (22, 62094), (31, 62250), (32, 62277),

Gene: Rita1961_79 Start: 60959, Stop: 60771, Start Num: 26
Candidate Starts for Rita1961_79:
(Start: 26 @60959 has 53 MA's), (29, 60887),

Gene: RomaT_78 Start: 61179, Stop: 60991, Start Num: 26
Candidate Starts for RomaT_78:
(Start: 26 @61179 has 53 MA's), (29, 61107),

Gene: Saguaro_72 Start: 61010, Stop: 61306, Start Num: 15
Candidate Starts for Saguaro_72:
(2, 60806), (6, 60878), (7, 60944), (9, 60947), (10, 60953), (Start: 15 @61010 has 1 MA's), (33, 61295),

Gene: Shenandoah_77 Start: 60225, Stop: 60037, Start Num: 26
Candidate Starts for Shenandoah_77:
(Start: 26 @60225 has 53 MA's), (29, 60153),

Gene: Stargaze_57 Start: 40411, Stop: 40605, Start Num: 25
Candidate Starts for Stargaze_57:
(Start: 25 @40411 has 5 MA's),

Gene: SwainyDoc_79 Start: 60988, Stop: 60800, Start Num: 26

Candidate Starts for SwainyDoc_79:
(Start: 26 @60988 has 53 MA's), (29, 60916),

Gene: SynergyX_78 Start: 60616, Stop: 60428, Start Num: 26
Candidate Starts for SynergyX_78:
(Start: 26 @60616 has 53 MA's), (29, 60544),

Gene: TinyTerror_79 Start: 61039, Stop: 60851, Start Num: 26
Candidate Starts for TinyTerror_79:
(Start: 26 @61039 has 53 MA's), (29, 60967),

Gene: Tydolla_74 Start: 60595, Stop: 60407, Start Num: 26
Candidate Starts for Tydolla_74:
(Start: 26 @60595 has 53 MA's), (29, 60523),

Gene: Yahalom_76 Start: 60422, Stop: 60234, Start Num: 26
Candidate Starts for Yahalom_76:
(Start: 26 @60422 has 53 MA's), (29, 60350),

Gene: YangYin_58 Start: 40848, Stop: 41042, Start Num: 25
Candidate Starts for YangYin_58:
(Start: 25 @40848 has 5 MA's),

Gene: Yinz_78 Start: 60487, Stop: 60299, Start Num: 26
Candidate Starts for Yinz_78:
(Start: 26 @60487 has 53 MA's), (29, 60415),

Gene: Zenteno07_86 Start: 63856, Stop: 64161, Start Num: 11
Candidate Starts for Zenteno07_86:
(Start: 11 @63856 has 3 MA's), (Start: 21 @63955 has 2 MA's), (31, 64087),