



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 308381 Report

This analysis was run 06/27/26 on database version 652.

Pham number 308381 has 101 members, 21 are drafts.

Phages represented in each track:

- Track 1 : Phlei_43
- Track 2 : FatCactus_45
- Track 3 : Jeffabunny_56, Jordennis_55, Polyphemus_57, Candra_55, ToneTone_53, Artemis2UCLA_56, Isiphiwo_53, SmellyB_55, BennyP_56, JewelBug_56, Wiks_55, Koko_57, Helmet_58, SuperAwesome_55, Garak_58, SuperCallie99_54, Priamo_57, Cookiedough_55, GreedyLawyer_55, Kipper29_55, McFly_55, Temprado_57, Kazan_56, EricB_55, Tucker_56, Neeharika16_54, BlessJoy_56, WunderPhul_56, Newrala_55, Zaka_56, CloudWang3_56, Hoot_50, Dorothea_55, VohminGhazi_55, Roksolana_57, Pmask_55, Chartreuse_54, Indra_59, BABullseye_49, Zulu_57, DaVinci_54, DelvinSonDorr_54, Blinn1_58, Lilbunny_55, Hexamo_56, Yokurt_56
- Track 4 : Gruunaga_56, Gladiator_53
- Track 5 : Hammer_56, Rifter_56
- Track 6 : Pioneer_54, Phaeder_54, Lilleskat_52, Spouty_54, Priya_54, Catalina_55, Hanray_52, RyeScarlet_55, Beemo_54, ExplosioNervosa_54, Eidsmoe_54, EmyBug_53, Myxus_54, Ugenie5_51, EdogawaKiddo_52, Horex_53, Aliter_54, Ayanochan_55, Qobbit_54, Onglai_52, Scherzo_54, HortumSL17_54, Conquerage_54, Fayely_54, PackMan_53, Phonnegut_54, Sachima_51, Jiawan_52, Tubs_54
- Track 7 : CogOmlette_53, Rahalelujah_54, WorldCup_53, Bellris_53, Minispark_53
- Track 8 : Arissanae_53
- Track 9 : SheaKeira_52
- Track 10 : Klodlith_53, Charm_52
- Track 11 : MegTheThird_53, Celestiallunch_53
- Track 12 : Maminiaina_53, Vanisoa_54, BogosyJay_53
- Track 13 : DreamTeam1_52
- Track 14 : Elephantoon_53
- Track 15 : LoneWolf_55
- Track 16 : Keziacharles14_54
- Track 17 : Alma_54
- Track 18 : Darrell_56

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

The start number called the most often in the published annotations is 6, it was called in 80 of the 80 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aliter_54, Alma_54, Arissanae_53, Artemis2UCLA_56, Ayanochan_55, BABullseye_49, Beemo_54, Bellris_53, BennyP_56, BlessJoy_56, Blinn1_58, BogosyJay_53, Candra_55, Catalina_55, Celestialunch_53, Charm_52, Chartreuse_54, CloudWang3_56, CogOmlette_53, Conquerage_54, Cookiedough_55, DaVinci_54, Darrell_56, DelvinSonDorr_54, Dorothea_55, DreamTeam1_52, EdogawaKiddo_52, Eidsmoe_54, Elephantoon_53, EmyBug_53, EricB_55, ExplosioNervosa_54, FatCactus_45, Fayely_54, Garak_58, Gladiator_53, GreedyLawyer_55, Gruunaga_56, Hammer_56, Hanray_52, Helmet_58, Hexamo_56, Horex_53, Hoot_50, HortumSL17_54, Indra_59, Isiphiwo_53, Jeffabunny_56, JewelBug_56, Jiawan_52, Jordennis_55, Kazan_56, Keziacharles14_54, Kipper29_55, Klodlith_53, Koko_57, Lilbunny_55, Lilleskat_52, LoneWolf_55, Maminiaina_53, McFly_55, MegTheThird_53, Minispark_53, Myxus_54, Neeharika16_54, Newrala_55, Onglai_52, PackMan_53, Phaeder_54, Phlei_43, Phonnegut_54, Pioneer_54, Pmask_55, Polyphemus_57, Priamo_57, Priya_54, Qobbit_54, Rahalelujah_54, Rifter_56, Roksolana_57, RyeScarlet_55, Sachima_51, Scherzo_54, SheaKeira_52, SmellyB_55, Spouty_54, SuperAwesome_55, SuperCallie99_54, Temprado_57, ToneTone_53, Tubs_54, Tucker_56, Ugenie5_51, Vanisoa_54, VohminGhazi_55, Wiks_55, WorldCup_53, WunderPhul_56, Yokurt_56, Zaka_56, Zulu_57,

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

-

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

-

Summary by start number:

Start 6:

- Found in 101 of 101 (100.0%) of genes in pham
- Manual Annotations of this start: 80 of 80
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aliter_54 (A9), Alma_54 (A9), Arissanae_53 (A9), Artemis2UCLA_56 (A6), Ayanochan_55 (A9), BABullseye_49 (A6), Beemo_54 (A9), Bellris_53 (A9), BennyP_56 (A6), BlessJoy_56 (A6), Blinn1_58 (A6), BogosyJay_53 (A9), Candra_55 (A6), Catalina_55 (A9), Celestialunch_53 (A9), Charm_52 (A9), Chartreuse_54 (A6), CloudWang3_56 (A6), CogOmlette_53 (A9), Conquerage_54 (A9), Cookiedough_55 (A6), DaVinci_54 (A6), Darrell_56 (A9), DelvinSonDorr_54 (A6), Dorothea_55 (A6), DreamTeam1_52 (A9), EdogawaKiddo_52 (A9), Eidsmoe_54 (A9), Elephantoon_53 (A9), EmyBug_53 (A9), EricB_55 (A6), ExplosioNervosa_54 (A9), FatCactus_45 (A20), Fayely_54 (A9), Garak_58 (A6), Gladiator_53 (A6), GreedyLawyer_55 (A6), Gruunaga_56 (A6), Hammer_56 (A6), Hanray_52 (A9), Helmet_58 (A6), Hexamo_56 (A6), Horex_53 (A9), Hoot_50 (A6), HortumSL17_54 (A9), Indra_59 (A6), Isiphiwo_53 (A6), Jeffabunny_56 (A6), JewelBug_56 (A6), Jiawan_52 (A9), Jordennis_55 (A6), Kazan_56 (A6), Keziacharles14_54 (A9), Kipper29_55 (A6), Klodlith_53 (A9), Koko_57 (A6), Lilbunny_55 (A6), Lilleskat_52 (A9), LoneWolf_55 (A9), Maminiaina_53 (A9), McFly_55 (A6), MegTheThird_53 (A9), Minispark_53 (A9), Myxus_54 (A9), Neeharika16_54 (A6), Newrala_55 (A6), Onglai_52 (A9),

PackMan_53 (A9), Phaeder_54 (A9), Phlei_43 (A13), Phonnegut_54 (A9), Pioneer_54 (A9), Pmask_55 (A6), Polyphemus_57 (A6), Priamo_57 (A6), Priya_54 (A9), Qobbit_54 (A9), Rahalelujah_54 (A9), Rifter_56 (A6), Roksolana_57 (A6), RyeScarlet_55 (A9), Sachima_51 (A9), Scherzo_54 (A9), SheaKeira_52 (A9), SmellyB_55 (A6), Spouty_54 (A9), SuperAwesome_55 (A6), SuperCallie99_54 (A6), Temprado_57 (A6), ToneTone_53 (A6), Tubs_54 (A9), Tucker_56 (A6), Ugenie5_51 (A9), Vanisoa_54 (A9), VohminGhazi_55 (A6), Wiks_55 (A6), WorldCup_53 (A9), WunderPhul_56 (A6), Yokurt_56 (A6), Zaka_56 (A6), Zulu_57 (A6),

Summary by clusters:

There are 4 clusters represented in this pham: A9, A20, A13, A6,

Info for manual annotations of cluster A6:

- Start number 6 was manually annotated 47 times for cluster A6.

Info for manual annotations of cluster A9:

- Start number 6 was manually annotated 33 times for cluster A9.

Gene Information:

Gene: Aliter_54 Start: 36173, Stop: 36033, Start Num: 6

Candidate Starts for Aliter_54:

(Start: 6 @36173 has 80 MA's), (8, 36101),

Gene: Alma_54 Start: 36353, Stop: 36213, Start Num: 6

Candidate Starts for Alma_54:

(4, 36875), (Start: 6 @36353 has 80 MA's), (8, 36281),

Gene: Arissanae_53 Start: 36865, Stop: 36731, Start Num: 6

Candidate Starts for Arissanae_53:

(2, 37711), (3, 37441), (Start: 6 @36865 has 80 MA's), (8, 36793),

Gene: Artemis2UCLA_56 Start: 35226, Stop: 35086, Start Num: 6

Candidate Starts for Artemis2UCLA_56:

(Start: 6 @35226 has 80 MA's), (7, 35175), (10, 35124),

Gene: Ayanochan_55 Start: 36331, Stop: 36191, Start Num: 6

Candidate Starts for Ayanochan_55:

(Start: 6 @36331 has 80 MA's), (8, 36259),

Gene: BABullseye_49 Start: 32808, Stop: 32668, Start Num: 6

Candidate Starts for BABullseye_49:

(Start: 6 @32808 has 80 MA's), (7, 32757), (10, 32706),

Gene: Beemo_54 Start: 36343, Stop: 36203, Start Num: 6

Candidate Starts for Beemo_54:

(Start: 6 @36343 has 80 MA's), (8, 36271),

Gene: Bellris_53 Start: 35802, Stop: 35668, Start Num: 6
Candidate Starts for Bellris_53:
(4, 36342), (Start: 6 @35802 has 80 MA's), (8, 35730), (9, 35709),

Gene: BennyP_56 Start: 35296, Stop: 35156, Start Num: 6
Candidate Starts for BennyP_56:
(Start: 6 @35296 has 80 MA's), (7, 35245), (10, 35194),

Gene: BlessJoy_56 Start: 35652, Stop: 35512, Start Num: 6
Candidate Starts for BlessJoy_56:
(Start: 6 @35652 has 80 MA's), (7, 35601), (10, 35550),

Gene: Blinn1_58 Start: 35244, Stop: 35104, Start Num: 6
Candidate Starts for Blinn1_58:
(Start: 6 @35244 has 80 MA's), (7, 35193), (10, 35142),

Gene: BogosyJay_53 Start: 36058, Stop: 35918, Start Num: 6
Candidate Starts for BogosyJay_53:
(Start: 6 @36058 has 80 MA's), (8, 35986),

Gene: Candra_55 Start: 35166, Stop: 35026, Start Num: 6
Candidate Starts for Candra_55:
(Start: 6 @35166 has 80 MA's), (7, 35115), (10, 35064),

Gene: Catalina_55 Start: 36246, Stop: 36106, Start Num: 6
Candidate Starts for Catalina_55:
(Start: 6 @36246 has 80 MA's), (8, 36174),

Gene: Celestiallunch_53 Start: 35886, Stop: 35752, Start Num: 6
Candidate Starts for Celestiallunch_53:
(Start: 6 @35886 has 80 MA's), (8, 35814),

Gene: Charm_52 Start: 35915, Stop: 35781, Start Num: 6
Candidate Starts for Charm_52:
(1, 36968), (2, 36797), (3, 36518), (4, 36464), (5, 35921), (Start: 6 @35915 has 80 MA's), (8, 35843),

Gene: Chartreuse_54 Start: 34526, Stop: 34386, Start Num: 6
Candidate Starts for Chartreuse_54:
(Start: 6 @34526 has 80 MA's), (7, 34475), (10, 34424),

Gene: CloudWang3_56 Start: 35314, Stop: 35174, Start Num: 6
Candidate Starts for CloudWang3_56:
(Start: 6 @35314 has 80 MA's), (7, 35263), (10, 35212),

Gene: CogOmlette_53 Start: 35799, Stop: 35665, Start Num: 6
Candidate Starts for CogOmlette_53:
(4, 36339), (Start: 6 @35799 has 80 MA's), (8, 35727), (9, 35706),

Gene: Conquerage_54 Start: 36317, Stop: 36177, Start Num: 6
Candidate Starts for Conquerage_54:
(Start: 6 @36317 has 80 MA's), (8, 36245),

Gene: Cookiedough_55 Start: 35145, Stop: 35005, Start Num: 6

Candidate Starts for Cookiedough_55:
(Start: 6 @35145 has 80 MA's), (7, 35094), (10, 35043),

Gene: DaVinci_54 Start: 34580, Stop: 34440, Start Num: 6
Candidate Starts for DaVinci_54:
(Start: 6 @34580 has 80 MA's), (7, 34529), (10, 34478),

Gene: Darrell_56 Start: 36934, Stop: 36800, Start Num: 6
Candidate Starts for Darrell_56:
(Start: 6 @36934 has 80 MA's), (8, 36862),

Gene: DelvinSonDorr_54 Start: 35385, Stop: 35245, Start Num: 6
Candidate Starts for DelvinSonDorr_54:
(Start: 6 @35385 has 80 MA's), (7, 35334), (10, 35283),

Gene: Dorothea_55 Start: 35149, Stop: 35009, Start Num: 6
Candidate Starts for Dorothea_55:
(Start: 6 @35149 has 80 MA's), (7, 35098), (10, 35047),

Gene: DreamTeam1_52 Start: 35771, Stop: 35637, Start Num: 6
Candidate Starts for DreamTeam1_52:
(Start: 6 @35771 has 80 MA's), (7, 35720), (8, 35699),

Gene: EdogawaKiddo_52 Start: 36294, Stop: 36154, Start Num: 6
Candidate Starts for EdogawaKiddo_52:
(Start: 6 @36294 has 80 MA's), (8, 36222),

Gene: Eidsmoe_54 Start: 36309, Stop: 36169, Start Num: 6
Candidate Starts for Eidsmoe_54:
(Start: 6 @36309 has 80 MA's), (8, 36237),

Gene: Elephantoon_53 Start: 35679, Stop: 35545, Start Num: 6
Candidate Starts for Elephantoon_53:
(Start: 6 @35679 has 80 MA's), (8, 35607),

Gene: EmyBug_53 Start: 36311, Stop: 36171, Start Num: 6
Candidate Starts for EmyBug_53:
(Start: 6 @36311 has 80 MA's), (8, 36239),

Gene: EricB_55 Start: 35123, Stop: 34983, Start Num: 6
Candidate Starts for EricB_55:
(Start: 6 @35123 has 80 MA's), (7, 35072), (10, 35021),

Gene: ExplosioNervosa_54 Start: 36377, Stop: 36237, Start Num: 6
Candidate Starts for ExplosioNervosa_54:
(Start: 6 @36377 has 80 MA's), (8, 36305),

Gene: FatCactus_45 Start: 33584, Stop: 33447, Start Num: 6
Candidate Starts for FatCactus_45:
(Start: 6 @33584 has 80 MA's),

Gene: Fayely_54 Start: 36278, Stop: 36138, Start Num: 6
Candidate Starts for Fayely_54:

(Start: 6 @36278 has 80 MA's), (8, 36206),

Gene: Garak_58 Start: 35593, Stop: 35453, Start Num: 6

Candidate Starts for Garak_58:

(Start: 6 @35593 has 80 MA's), (7, 35542), (10, 35491),

Gene: Gladiator_53 Start: 34824, Stop: 34678, Start Num: 6

Candidate Starts for Gladiator_53:

(Start: 6 @34824 has 80 MA's), (7, 34773), (10, 34722), (12, 34701),

Gene: GreedyLawyer_55 Start: 35130, Stop: 34990, Start Num: 6

Candidate Starts for GreedyLawyer_55:

(Start: 6 @35130 has 80 MA's), (7, 35079), (10, 35028),

Gene: Gruunaga_56 Start: 35523, Stop: 35377, Start Num: 6

Candidate Starts for Gruunaga_56:

(Start: 6 @35523 has 80 MA's), (7, 35472), (10, 35421), (12, 35400),

Gene: Hammer_56 Start: 35106, Stop: 34960, Start Num: 6

Candidate Starts for Hammer_56:

(5, 35112), (Start: 6 @35106 has 80 MA's), (7, 35055), (10, 35004), (12, 34983),

Gene: Hanray_52 Start: 36298, Stop: 36158, Start Num: 6

Candidate Starts for Hanray_52:

(Start: 6 @36298 has 80 MA's), (8, 36226),

Gene: Helmet_58 Start: 35593, Stop: 35453, Start Num: 6

Candidate Starts for Helmet_58:

(Start: 6 @35593 has 80 MA's), (7, 35542), (10, 35491),

Gene: Hexamo_56 Start: 35223, Stop: 35083, Start Num: 6

Candidate Starts for Hexamo_56:

(Start: 6 @35223 has 80 MA's), (7, 35172), (10, 35121),

Gene: Horex_53 Start: 36314, Stop: 36174, Start Num: 6

Candidate Starts for Horex_53:

(Start: 6 @36314 has 80 MA's), (8, 36242),

Gene: Hoot_50 Start: 32981, Stop: 32841, Start Num: 6

Candidate Starts for Hoot_50:

(Start: 6 @32981 has 80 MA's), (7, 32930), (10, 32879),

Gene: HortumSL17_54 Start: 36245, Stop: 36105, Start Num: 6

Candidate Starts for HortumSL17_54:

(Start: 6 @36245 has 80 MA's), (8, 36173),

Gene: Indra_59 Start: 35594, Stop: 35454, Start Num: 6

Candidate Starts for Indra_59:

(Start: 6 @35594 has 80 MA's), (7, 35543), (10, 35492),

Gene: Isiphiwo_53 Start: 34706, Stop: 34566, Start Num: 6

Candidate Starts for Isiphiwo_53:

(Start: 6 @34706 has 80 MA's), (7, 34655), (10, 34604),

Gene: Jeffabunny_56 Start: 35220, Stop: 35080, Start Num: 6
Candidate Starts for Jeffabunny_56:
(Start: 6 @35220 has 80 MA's), (7, 35169), (10, 35118),

Gene: JewelBug_56 Start: 35336, Stop: 35196, Start Num: 6
Candidate Starts for JewelBug_56:
(Start: 6 @35336 has 80 MA's), (7, 35285), (10, 35234),

Gene: Jiawan_52 Start: 36330, Stop: 36190, Start Num: 6
Candidate Starts for Jiawan_52:
(Start: 6 @36330 has 80 MA's), (8, 36258),

Gene: Jordennis_55 Start: 34826, Stop: 34686, Start Num: 6
Candidate Starts for Jordennis_55:
(Start: 6 @34826 has 80 MA's), (7, 34775), (10, 34724),

Gene: Kazan_56 Start: 35136, Stop: 34996, Start Num: 6
Candidate Starts for Kazan_56:
(Start: 6 @35136 has 80 MA's), (7, 35085), (10, 35034),

Gene: Keziacharles14_54 Start: 37363, Stop: 37223, Start Num: 6
Candidate Starts for Keziacharles14_54:
(5, 37369), (Start: 6 @37363 has 80 MA's), (8, 37291),

Gene: Kipper29_55 Start: 35149, Stop: 35009, Start Num: 6
Candidate Starts for Kipper29_55:
(Start: 6 @35149 has 80 MA's), (7, 35098), (10, 35047),

Gene: Klodlith_53 Start: 35809, Stop: 35675, Start Num: 6
Candidate Starts for Klodlith_53:
(1, 36862), (2, 36691), (3, 36412), (4, 36358), (5, 35815), (Start: 6 @35809 has 80 MA's), (8, 35737),

Gene: Koko_57 Start: 35654, Stop: 35514, Start Num: 6
Candidate Starts for Koko_57:
(Start: 6 @35654 has 80 MA's), (7, 35603), (10, 35552),

Gene: Lilbunny_55 Start: 35224, Stop: 35084, Start Num: 6
Candidate Starts for Lilbunny_55:
(Start: 6 @35224 has 80 MA's), (7, 35173), (10, 35122),

Gene: Lilleskat_52 Start: 36247, Stop: 36107, Start Num: 6
Candidate Starts for Lilleskat_52:
(Start: 6 @36247 has 80 MA's), (8, 36175),

Gene: LoneWolf_55 Start: 36273, Stop: 36139, Start Num: 6
Candidate Starts for LoneWolf_55:
(4, 36792), (Start: 6 @36273 has 80 MA's), (8, 36201),

Gene: Maminiaina_53 Start: 36040, Stop: 35900, Start Num: 6
Candidate Starts for Maminiaina_53:
(Start: 6 @36040 has 80 MA's), (8, 35968),

Gene: McFly_55 Start: 35130, Stop: 34990, Start Num: 6
Candidate Starts for McFly_55:
(Start: 6 @35130 has 80 MA's), (7, 35079), (10, 35028),

Gene: MegTheThird_53 Start: 35885, Stop: 35751, Start Num: 6
Candidate Starts for MegTheThird_53:
(Start: 6 @35885 has 80 MA's), (8, 35813),

Gene: Minispark_53 Start: 35796, Stop: 35662, Start Num: 6
Candidate Starts for Minispark_53:
(4, 36336), (Start: 6 @35796 has 80 MA's), (8, 35724), (9, 35703),

Gene: Myxus_54 Start: 36245, Stop: 36105, Start Num: 6
Candidate Starts for Myxus_54:
(Start: 6 @36245 has 80 MA's), (8, 36173),

Gene: Neeharika16_54 Start: 34590, Stop: 34450, Start Num: 6
Candidate Starts for Neeharika16_54:
(Start: 6 @34590 has 80 MA's), (7, 34539), (10, 34488),

Gene: Newrala_55 Start: 35132, Stop: 34992, Start Num: 6
Candidate Starts for Newrala_55:
(Start: 6 @35132 has 80 MA's), (7, 35081), (10, 35030),

Gene: Onglai_52 Start: 34586, Stop: 34446, Start Num: 6
Candidate Starts for Onglai_52:
(Start: 6 @34586 has 80 MA's), (8, 34514),

Gene: PackMan_53 Start: 36245, Stop: 36105, Start Num: 6
Candidate Starts for PackMan_53:
(Start: 6 @36245 has 80 MA's), (8, 36173),

Gene: Phaeder_54 Start: 36245, Stop: 36105, Start Num: 6
Candidate Starts for Phaeder_54:
(Start: 6 @36245 has 80 MA's), (8, 36173),

Gene: Phlei_43 Start: 35711, Stop: 35568, Start Num: 6
Candidate Starts for Phlei_43:
(Start: 6 @35711 has 80 MA's), (11, 35603),

Gene: Phonnegut_54 Start: 36342, Stop: 36202, Start Num: 6
Candidate Starts for Phonnegut_54:
(Start: 6 @36342 has 80 MA's), (8, 36270),

Gene: Pioneer_54 Start: 36342, Stop: 36202, Start Num: 6
Candidate Starts for Pioneer_54:
(Start: 6 @36342 has 80 MA's), (8, 36270),

Gene: Pmask_55 Start: 35133, Stop: 34993, Start Num: 6
Candidate Starts for Pmask_55:
(Start: 6 @35133 has 80 MA's), (7, 35082), (10, 35031),

Gene: Polyphemus_57 Start: 35515, Stop: 35375, Start Num: 6

Candidate Starts for Polyphemus_57:
(Start: 6 @35515 has 80 MA's), (7, 35464), (10, 35413),

Gene: Priamo_57 Start: 34892, Stop: 34752, Start Num: 6
Candidate Starts for Priamo_57:
(Start: 6 @34892 has 80 MA's), (7, 34841), (10, 34790),

Gene: Priya_54 Start: 36312, Stop: 36172, Start Num: 6
Candidate Starts for Priya_54:
(Start: 6 @36312 has 80 MA's), (8, 36240),

Gene: Qobbit_54 Start: 36274, Stop: 36134, Start Num: 6
Candidate Starts for Qobbit_54:
(Start: 6 @36274 has 80 MA's), (8, 36202),

Gene: Rahalelujah_54 Start: 35811, Stop: 35677, Start Num: 6
Candidate Starts for Rahalelujah_54:
(4, 36351), (Start: 6 @35811 has 80 MA's), (8, 35739), (9, 35718),

Gene: Rifter_56 Start: 34702, Stop: 34556, Start Num: 6
Candidate Starts for Rifter_56:
(5, 34708), (Start: 6 @34702 has 80 MA's), (7, 34651), (10, 34600), (12, 34579),

Gene: Roksolana_57 Start: 35560, Stop: 35420, Start Num: 6
Candidate Starts for Roksolana_57:
(Start: 6 @35560 has 80 MA's), (7, 35509), (10, 35458),

Gene: RyeScarlet_55 Start: 36317, Stop: 36177, Start Num: 6
Candidate Starts for RyeScarlet_55:
(Start: 6 @36317 has 80 MA's), (8, 36245),

Gene: Sachima_51 Start: 36227, Stop: 36087, Start Num: 6
Candidate Starts for Sachima_51:
(Start: 6 @36227 has 80 MA's), (8, 36155),

Gene: Scherzo_54 Start: 36531, Stop: 36391, Start Num: 6
Candidate Starts for Scherzo_54:
(Start: 6 @36531 has 80 MA's), (8, 36459),

Gene: SheaKeira_52 Start: 35716, Stop: 35582, Start Num: 6
Candidate Starts for SheaKeira_52:
(5, 35722), (Start: 6 @35716 has 80 MA's), (7, 35665), (8, 35644),

Gene: SmellyB_55 Start: 35130, Stop: 34990, Start Num: 6
Candidate Starts for SmellyB_55:
(Start: 6 @35130 has 80 MA's), (7, 35079), (10, 35028),

Gene: Spouty_54 Start: 36311, Stop: 36171, Start Num: 6
Candidate Starts for Spouty_54:
(Start: 6 @36311 has 80 MA's), (8, 36239),

Gene: SuperAwesome_55 Start: 35144, Stop: 35004, Start Num: 6
Candidate Starts for SuperAwesome_55:

(Start: 6 @35144 has 80 MA's), (7, 35093), (10, 35042),

Gene: SuperCallie99_54 Start: 35017, Stop: 34877, Start Num: 6

Candidate Starts for SuperCallie99_54:

(Start: 6 @35017 has 80 MA's), (7, 34966), (10, 34915),

Gene: Temprado_57 Start: 35593, Stop: 35453, Start Num: 6

Candidate Starts for Temprado_57:

(Start: 6 @35593 has 80 MA's), (7, 35542), (10, 35491),

Gene: ToneTone_53 Start: 35153, Stop: 35013, Start Num: 6

Candidate Starts for ToneTone_53:

(Start: 6 @35153 has 80 MA's), (7, 35102), (10, 35051),

Gene: Tubs_54 Start: 36245, Stop: 36105, Start Num: 6

Candidate Starts for Tubs_54:

(Start: 6 @36245 has 80 MA's), (8, 36173),

Gene: Tucker_56 Start: 35322, Stop: 35182, Start Num: 6

Candidate Starts for Tucker_56:

(Start: 6 @35322 has 80 MA's), (7, 35271), (10, 35220),

Gene: Ugenie5_51 Start: 36530, Stop: 36390, Start Num: 6

Candidate Starts for Ugenie5_51:

(Start: 6 @36530 has 80 MA's), (8, 36458),

Gene: Vanisoa_54 Start: 37154, Stop: 37020, Start Num: 6

Candidate Starts for Vanisoa_54:

(Start: 6 @37154 has 80 MA's), (8, 37082),

Gene: VohminGhazi_55 Start: 35131, Stop: 34991, Start Num: 6

Candidate Starts for VohminGhazi_55:

(Start: 6 @35131 has 80 MA's), (7, 35080), (10, 35029),

Gene: Wiks_55 Start: 35224, Stop: 35084, Start Num: 6

Candidate Starts for Wiks_55:

(Start: 6 @35224 has 80 MA's), (7, 35173), (10, 35122),

Gene: WorldCup_53 Start: 35805, Stop: 35671, Start Num: 6

Candidate Starts for WorldCup_53:

(4, 36345), (Start: 6 @35805 has 80 MA's), (8, 35733), (9, 35712),

Gene: WunderPhul_56 Start: 35222, Stop: 35082, Start Num: 6

Candidate Starts for WunderPhul_56:

(Start: 6 @35222 has 80 MA's), (7, 35171), (10, 35120),

Gene: Yokurt_56 Start: 35224, Stop: 35084, Start Num: 6

Candidate Starts for Yokurt_56:

(Start: 6 @35224 has 80 MA's), (7, 35173), (10, 35122),

Gene: Zaka_56 Start: 35224, Stop: 35084, Start Num: 6

Candidate Starts for Zaka_56:

(Start: 6 @35224 has 80 MA's), (7, 35173), (10, 35122),

Gene: Zulu_57 Start: 35602, Stop: 35462, Start Num: 6
Candidate Starts for Zulu_57:
(Start: 6 @35602 has 80 MA's), (7, 35551), (10, 35500),