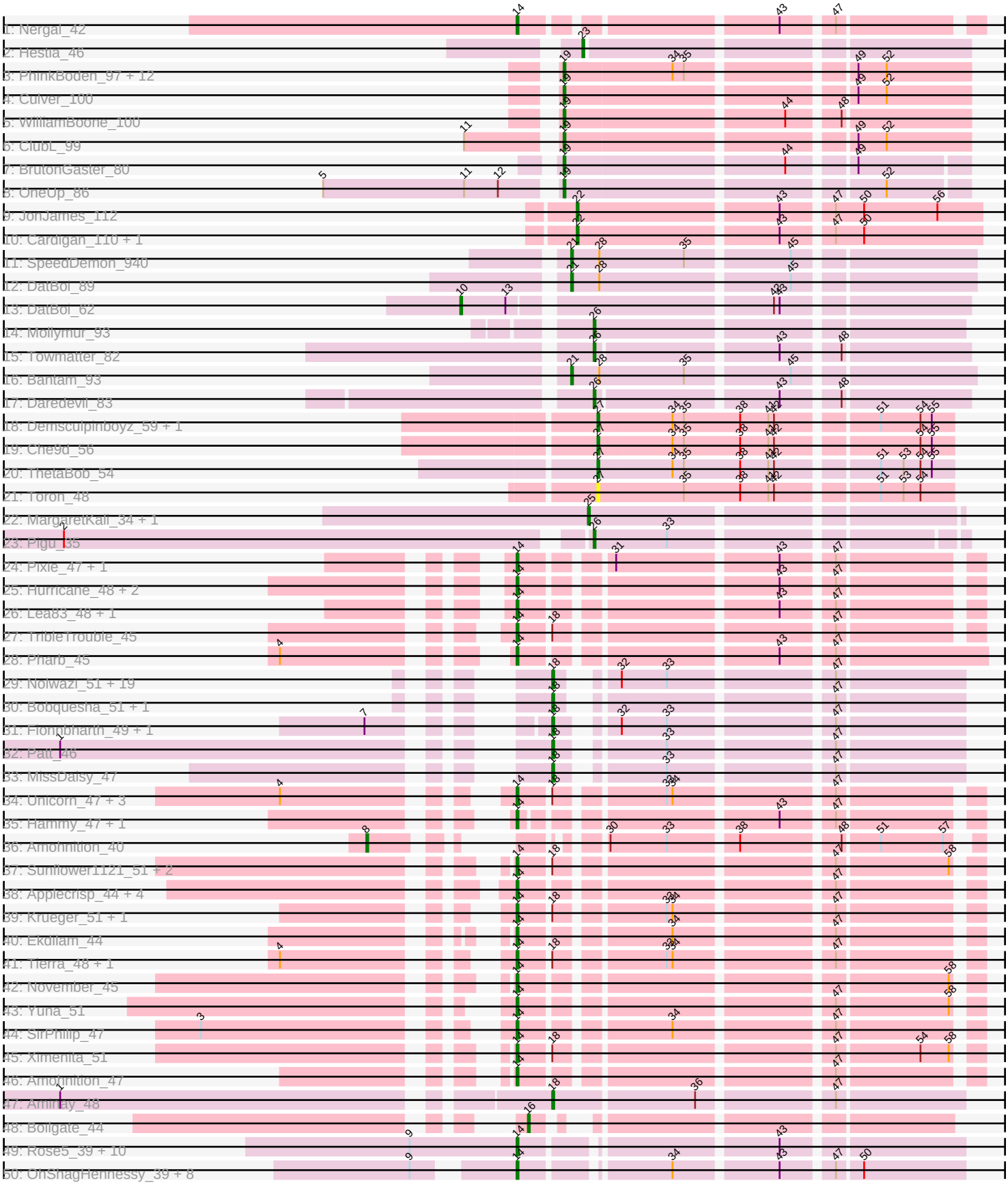
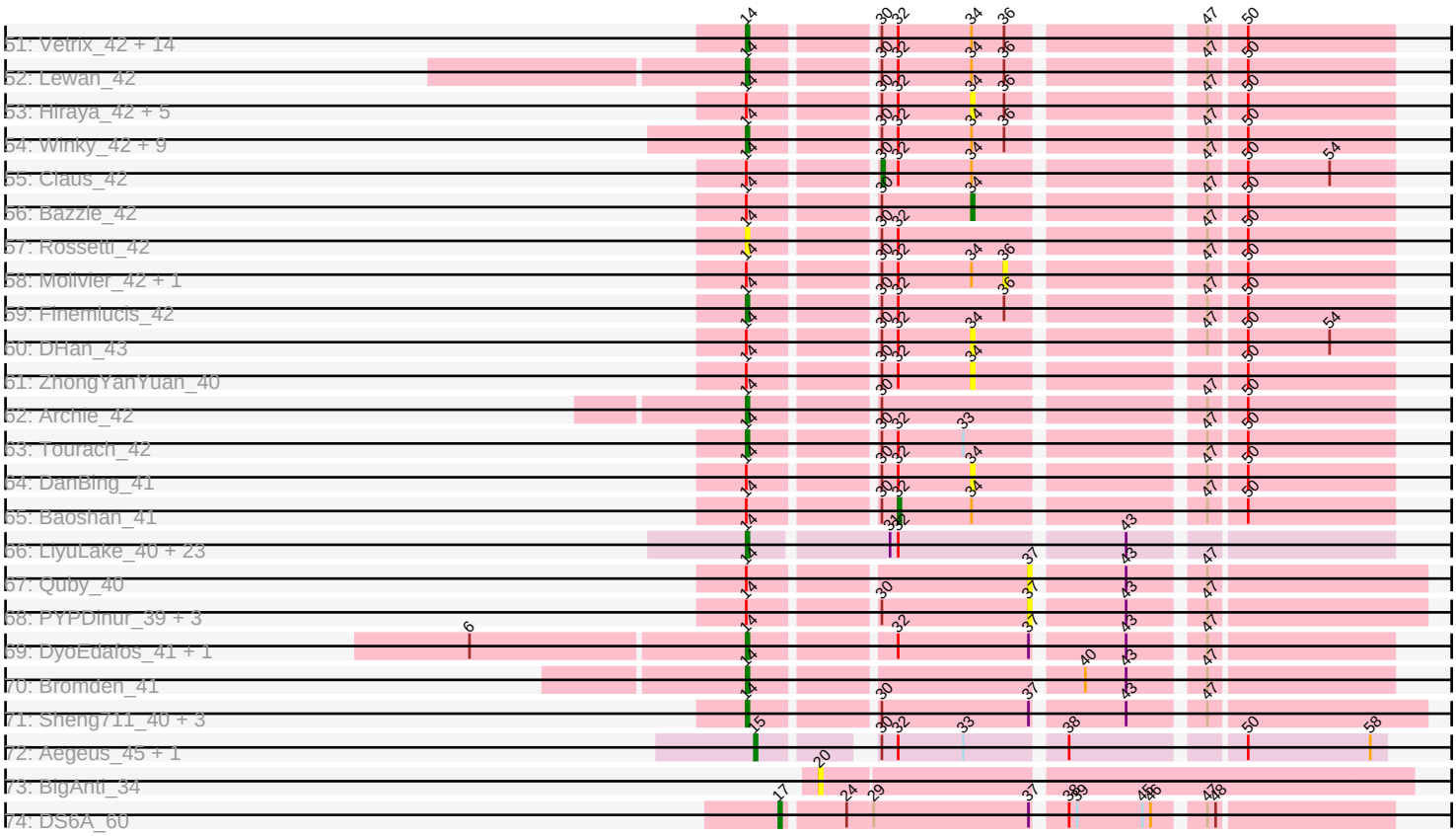
Pham 347269


1: Nergal_42
2: Hestia_46
3: PhinkBoden_97 + 12
4: Culver_100
5: WilliamBoone_100
6: ClubL_99
7: BrutonGaster_80
8: OneOp_86
9: JonJames_112
10: Cardigan_110 + 1
11: SpeedDemon_940
12: DatBoi_89
13: DatBoi_62
14: Mollymur_93
15: Towmatter_82
16: Bantam_93
17: Daredevil_83
18: Demsculpinboyz_59 + 1
19: Che9d_56
20: ThetaBob_54
21: Toron_48
22: MargaretKall_34 + 1
23: Pigu_35
24: Pixie_47 + 1
25: Hurricane_48 + 2
26: Lea83_48 + 1
27: TribleTrouble_45
28: Pharb_45
29: Nolwazi_51 + 19
30: Bobquesha_51 + 1
31: Fionnbharth_49 + 1
32: Patt_46
33: MissDaisy_47
34: Unicorn_47 + 3
35: Hammy_47 + 1
36: Amohnition_40
37: Sunflower1121_51 + 2
38: Applecrisp_44 + 4
39: Krueger_51 + 1
40: Ekdilam_44
41: Tierra_48 + 1
42: November_45
43: Yuna_51
44: SirPhilip_47
45: Ximenita_51
46: Amohnition_47
47: Amilday_48
48: Boilgate_44
49: Rose5_39 + 10
50: OhShagHennessy_39 + 8

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51: Vetrix_42 + 14
52: Lewan_42
53: Hiraya_42 + 5
54: Winky_42 + 9
55: Claus_42
56: Bazzle_42
57: Rossetti_42
58: Molivier_42 + 1
59: Finemiucis_42
60: DHan_43
61: ZhongYanYuan_40
62: Archie_42
63: Tourach_42
64: DanBing_41
65: Baoshan_41
66: LiyuLake_40 + 23
67: Quby_40
68: PYPDinur_39 + 3
69: DyoEdalos_41 + 1
70: Bromden_41
71: Sheng711_40 + 3
72: Aegeus_45 + 1
73: BigAnti_34
74: DS6A_60

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 347269 Report

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

Pham number 347269 has 204 members, 31 are drafts.

Phages represented in each track:
• Track 1 : Nergal_42
• Track 2 : Hestia_46
• Track 3 : PhinkBoden_97, Dusty_96, Cucurbita_99, Toniann_100, Abscondus_97, Smoothie_99, Aphelion_99, Geeche_97, Engineer_99, Lozinak_98, Miskis_92, Bachita_100, Norvs_100
• Track 4 : Culver_100
• Track 5 : WilliamBoone_100
• Track 6 : ClubL_99
• Track 7 : BrutonGaster_80
• Track 8 : OneUp_86
• Track 9 : JonJames_112
• Track 10 : Cardigan_110, Yvonnetastic_109
• Track 11 : SpeedDemon_940
• Track 12 : DatBoi_89
• Track 13 : DatBoi_62
• Track 14 : Mollymur_93
• Track 15 : Towmatter_82
• Track 16 : Bantam_93
• Track 17 : Daredevil_83
• Track 18 : Demsculpinboyz_59, Yoshi_61
• Track 19 : Che9d_56
• Track 20 : ThetaBob_54
• Track 21 : Toron_48
• Track 22 : MargaretKali_34, Kumotta_34
• Track 23 : Pigu_35
• Track 24 : Pixie_47, TBond007_47
• Track 25 : Hurricane_48, Keshu_49, MacnCheese_49
• Track 26 : Lea83_48, ShedlockHolmes_48
• Track 27 : TribleTrouble_45
• Track 28 : Pharb_45
• Track 29 : Nolwazi_51, Kraw_49, Chancellor_49, Lebo14_48, Qhanda_51, Juliette_51, Slarp_49, Cheetobro_49, DanSyl44_52, SamScheppers_47, YasnayaPolyana_49, OmniCritical_48, Malthus_50, Taquito_49, JF1_49, Y10_48, Ruthiejr_50, Wintermute_49, Y2_48, Mitti_49
• Track 30 : Bobquesha_51, Reptar3000_47
• Track 31 : Fionnbharth_49, Eponine_51
• Track 32 : Patt_46

• Track 33 : MissDaisy_47
• Track 34 : Unicorn_47, PhelpsODU_47, Cain_48, Bryler_48
• Track 35 : Hammy_47, DarthP_47
• Track 36 : Amohnition_40
• Track 37 : Sunflower1121_51, Syra333_50, Shadow1_50
• Track 38 : Applecrisp_44, Amgine_45, Ellie_43, Lavahound_44, Fefferhead_45
• Track 39 : Krueger_51, Tigress9_50
• Track 40 : Ekdilam_44
• Track 41 : Tierra_48, Phrank_48
• Track 42 : November_45
• Track 43 : Yuna_51
• Track 44 : SirPhilip_47
• Track 45 : Ximenita_51
• Track 46 : Amohnition_47
• Track 47 : Aminay_48
• Track 48 : Boilgate_44
• Track 49 : Rose5_39, Tyson_39, Halena_39, MAckerman_40, CicholasNage_40, Calm_40, Wyatt2_40, Zaria_40, Silverleaf_39, AvadaKedavra_40, Acquire49_40
• Track 50 : OhShagHennessy_39, Wamburgrxpress_40, LeBron_40, Enceladus_39, JoeDirt_39, Appletree2_39, Poochiewood_39, DirkDirk_39, UPIE_40
• Track 51 : Vetrix_42, GuuelaD_42, Kahlid_42, Crossroads_42, Loadrie_42, Gabriela_42, Nicholasp3_42, Gardann_42, Wilder_42, Rumpelstiltskin_42, OverPar_42, Underpass_42, MkaliMitinis3_42, Wigglewiggle_42, Zakai_42
• Track 52 : Lewan_42
• Track 53 : Hiraya_42, Sarshaun_42, Hafay_42, Soap141_42, SoJulia_43, Lynnae_42
• Track 54 : Winky_42, Breezona_42, Itos_41, BobsGarage_42, Netyap_42, BigCheese_42, Faith1_42, Miley16_42, LilDestine_42, DrSeegs_42
• Track 55 : Claus_42
• Track 56 : Bazzle_42
• Track 57 : Rossetti_42
• Track 58 : Molivier_42, ChengKai98_42
• Track 59 : Finemlucis_42
• Track 60 : DHan_43
• Track 61 : ZhongYanYuan_40
• Track 62 : Archie_42
• Track 63 : Tourach_42
• Track 64 : DanBing_41
• Track 65 : Baoshan_41
• Track 66 : LiyuLake_40, Lolly9_40, MsGreen_40, Jobypre_40, Ellson_40, Kingsolomon_40, MiniLon_40, Krypton555_40, Whirlwind_41, Lumos_40, Samty_40, Clautastrophe_40, Bellis_40, Finnry_40, Snenia_40, TriFive_40, MiniMac_40, DuncansLeg_40, KirDoubleO7_38, BourbonZero_39, Jubie_40, Red305_40, Nicholas_40, Moostard_40
• Track 67 : Quby_40
• Track 68 : PYPDinur_39, Douzhi_39, FarmResident_40, BrainDrainer_40
• Track 69 : DyoEdafos_41, Kropertea_40
• Track 70 : Bromden_41
• Track 71 : Sheng711_40, Douge_39, Chaser_39, ChutneyChips_40
• Track 72 : Aegeus_45, Baudelaire_45
• Track 73 : BigAnti_34
• Track 74 : DS6A_60

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

The start number called the most often in the published annotations is 14, it was called in 107 of the 173 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Acquire49_40, Amgine_45, Amohnition_47, Applecrisp_44, Appletree2_39, Archie_42, AvadaKedavra_40, Bellis_40, BigCheese_42, BobsGarage_42, BourbonZero_39, Breezona_42, Bromden_41, Bryler_48, Cain_48, Calm_40, Chaser_39, ChutneyChips_40, CicholasNage_40, Clautastrophe_40, Crossroads_42, DarthP_47, DirkDirk_39, Douge_39, DrSeegs_42, DuncansLeg_40, DyoEdafos_41, Ekdilam_44, Ellie_43, Ellson_40, Enceladus_39, Faith1_42, Fefferhead_45, Finemlucis_42, Finnry_40, Gabriela_42, Gardann_42, GuuelaD_42, Halena_39, Hammy_47, Hurricane_48, Itos_41, Jobypre_40, JoeDirt_39, Jubie_40, Kahlid_42, Keshu_49, Kingsolomon_40, KirDoubleO7_38, Kropertea_40, Krueger_51, Krypton555_40, Lavahound_44, LeBron_40, Lea83_48, Lewan_42, LilDestine_42, LiyuLake_40, Loadrie_42, Lolly9_40, Lumos_40, MAckerman_40, MacnCheese_49, Miley16_42, MiniLon_40, MiniMac_40, MkaliMitinis3_42, Moostard_40, MsGreen_40, Nergal_42, Netyap_42, Nicholas_40, Nicholasp3_42, November_45, OhShagHennessy_39, OverPar_42, Pharb_45, PhelpsODU_47, Phrank_48, Pixie_47, Poochiewood_39, Red305_40, Rose5_39, Rossetti_42, Rumpelstiltskin_42, Samty_40, Shadow1_50, ShedlockHolmes_48, Sheng711_40, Silverleaf_39, SirPhilip_47, Snenia_40, Sunflower1121_51, Syra333_50, TBond007_47, Tierra_48, Tigress9_50, Tourach_42, TriFive_40, TribleTrouble_45, Tyson_39, UPIE_40, Underpass_42, Unicorn_47, Vetrix_42, Wamburgrxpress_40, Whirlwind_41, Wigglewiggle_42, Wilder_42, Winky_42, Wyatt2_40, Ximenita_51, Yuna_51, Zakai_42, Zaria_40,

Genes that have the "Most Annotated" start but do not call it:
• Baoshan_41, Bazzle_42, BrainDrainer_40, ChengKai98_42, Claus_42, DHan_43, DanBing_41, Douzhi_39, FarmResident_40, Hafay_42, Hiraya_42, Lynnae_42, Molivier_42, PYPDinur_39, Quby_40, Sarshaun_42, SoJulia_43, Soap141_42, ZhongYanYuan_40,

Genes that do not have the "Most Annotated" start:
• Abscondus_97, Aegeus_45, Aminay_48, Amohnition_40, Aphelion_99, Bachita_100, Bantam_93, Baudelaire_45, BigAnti_34, Bobquesha_51, Boilgate_44, BrutonGaster_80, Cardigan_110, Chancellor_49, Che9d_56, Cheetobro_49, ClubL_99, Cucurbita_99, Culver_100, DS6A_60, DanSyl44_52, Daredevil_83, DatBoi_62, DatBoi_89, Demsculpinboyz_59, Dusty_96, Engineer_99, Eponine_51, Fionnbharth_49, Geeche_97, Hestia_46, JF1_49, JonJames_112, Juliette_51, Kraw_49, Kumotta_34, Lebo14_48, Lozinak_98, Malthus_50, MargaretKali_34, Miskis_92, MissDaisy_47, Mitti_49, Mollymur_93, Nolwazi_51, Norvs_100, OmniCritical_48, OneUp_86, Patt_46, PhinkBoden_97, Pigu_35, Qhanda_51, Reptar3000_47, Ruthiejr_50, SamScheppers_47, Slarp_49, Smoothie_99, SpeedDemon_940, Taquito_49, ThetaBob_54, Toniann_100, Toron_48, Towmatter_82, WilliamBoone_100, Wintermute_49, Y10_48, Y2_48, YasnayaPolyana_49, Yoshi_61, Yvonnetastic_109,

Summary by start number:

Start 8:
• Found in 1 of 204 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 173
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amohnition_40 (K6),

Start 10:
• Found in 1 of 204 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 173
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DatBoi_62 (DL),

Start 14:
• Found in 134 of 204 (65.7%) of genes in pham
• Manual Annotations of this start: 107 of 173
• Called 85.8% of time when present
• Phage (with cluster) where this start called: Acquire49_40 (L1), Amgine_45 (K6), Amohnition_47 (K6), Applecrisp_44 (K6), Appletree2_39 (L1), Archie_42 (L2), AvadaKedavra_40 (L1), Bellis_40 (L3), BigCheese_42 (L2), BobsGarage_42 (L2), BourbonZero_39 (L3), Breezona_42 (L2), Bromden_41 (L4), Bryler_48 (K6), Cain_48 (K6), Calm_40 (L1), Chaser_39 (L4), ChutneyChips_40 (L4), CicholasNage_40 (L1), Clautastrophe_40 (L3), Crossroads_42 (L2), DarthP_47 (K6), DirkDirk_39 (L1), Douge_39 (L4), DrSeegs_42 (L2), DuncansLeg_40 (L3), DyoEdafos_41 (L4), Ekdilam_44 (K6), Ellie_43 (K6), Ellson_40 (L3), Enceladus_39 (L1), Faith1_42 (L2), Fefferhead_45 (K6), Finemlucis_42 (L2), Finnry_40 (L3), Gabriela_42 (L2), Gardann_42 (L2), GuuelaD_42 (L2), Halena_39 (L1), Hammy_47 (K6), Hurricane_48 (K3), Itos_41 (L2), Jobypre_40 (L3), JoeDirt_39 (L1), Jubie_40 (L3), Kahlid_42 (L2), Keshu_49 (K3), Kingsolomon_40 (L3), KirDoubleO7_38 (L3), Kropertea_40 (L4), Krueger_51 (K6), Krypton555_40 (L3), Lavahound_44 (K6), LeBron_40 (L1), Lea83_48 (K3), Lewan_42 (L2), LilDestine_42 (L2), LiyuLake_40 (L3), Loadrie_42 (L2), Lolly9_40 (L3), Lumos_40 (L3), MAckerman_40 (L1), MacnCheese_49 (K3), Miley16_42 (L2), MiniLon_40 (L3), MiniMac_40 (L3), MkaliMitinis3_42 (L2), Moostard_40 (L3), MsGreen_40 (L3), Nergal_42 (AG), Netyap_42 (L2), Nicholas_40 (L3), Nicholasp3_42 (L2), November_45 (K6), OhShagHennessy_39 (L1), OverPar_42 (L2), Pharb_45 (K3), PhelpsODU_47 (K6), Phrank_48 (K6), Pixie_47 (K3), Poochiewood_39 (L1), Red305_40 (L3), Rose5_39 (L1), Rossetti_42 (L2), Rumpelstiltskin_42 (L2), Samty_40 (L3), Shadow1_50 (K6), ShedlockHolmes_48 (K3), Sheng711_40 (L4), Silverleaf_39 (L1), SirPhilip_47 (K6), Snenia_40 (L3), Sunflower1121_51 (K6), Syra333_50 (K6), TBond007_47 (K3), Tierra_48 (K6), Tigress9_50 (K6), Tourach_42 (L2), TriFive_40 (L3), TribleTrouble_45 (K3), Tyson_39 (L1), UPIE_40 (L1), Underpass_42 (L2), Unicorn_47 (K6), Vetrix_42 (L2), Wamburgrxpress_40 (L1), Whirlwind_41 (L3), Wigglewiggle_42 (L2), Wilder_42 (L2), Winky_42 (L2), Wyatt2_40 (L1), Ximenita_51 (K6), Yuna_51 (K6), Zakai_42 (L2), Zaria_40 (L1),

Start 15:
• Found in 2 of 204 (1.0%) of genes in pham
• Manual Annotations of this start: 2 of 173
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aegeus_45 (L5), Baudelaire_45 (L5),

Start 16:

• Found in 1 of 204 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 173
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Boilgate_44 (K8),

Start 17:
• Found in 1 of 204 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 173
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DS6A_60 (singleton),

Start 18:
• Found in 40 of 204 (19.6%) of genes in pham
• Manual Annotations of this start: 23 of 173
• Called 67.5% of time when present
• Phage (with cluster) where this start called: Aminay_48 (K7), Bobquesha_51 (K4), Chancellor_49 (K4), Cheetobro_49 (K4), DanSyl44_52 (K4), Eponine_51 (K4), Fionnbharth_49 (K4), JF1_49 (K4), Juliette_51 (K4), Kraw_49 (K4), Lebo14_48 (K4), Malthus_50 (K4), MissDaisy_47 (K4), Mitti_49 (K4), Nolwazi_51 (K4), OmniCritical_48 (K4), Patt_46 (K4), Qhanda_51 (K4), Reptar3000_47 (K4), Ruthiejr_50 (K4), SamScheppers_47 (K4), Slarp_49 (K4), Taquito_49 (K4), Wintermute_49 (K4), Y10_48 (K4), Y2_48 (K4), YasnayaPolyana_49 (K4),

Start 19:
• Found in 18 of 204 (8.8%) of genes in pham
• Manual Annotations of this start: 17 of 173
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abscondus_97 (CQ1), Aphelion_99 (CQ1), Bachita_100 (CQ1), BrutonGaster_80 (CQ2), ClubL_99 (CQ1), Cucurbita_99 (CQ1), Culver_100 (CQ1), Dusty_96 (CQ1), Engineer_99 (CQ1), Geeche_97 (CQ1), Lozinak_98 (CQ1), Miskis_92 (CQ1), Norvs_100 (CQ1), OneUp_86 (CQ2), PhinkBoden_97 (CQ1), Smoothie_99 (CQ1), Toniann_100 (CQ1), WilliamBoone_100 (CQ1),

Start 20:
• Found in 1 of 204 (0.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BigAnti_34 (singleton),

Start 21:
• Found in 3 of 204 (1.5%) of genes in pham
• Manual Annotations of this start: 3 of 173
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bantam_93 (DL), DatBoi_89 (DL), SpeedDemon_940 (DL),

Start 22:
• Found in 3 of 204 (1.5%) of genes in pham
• Manual Annotations of this start: 3 of 173
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cardigan_110 (DD), JonJames_112 (DD), Yvonnetastic_109 (DD),

Start 23:
• Found in 1 of 204 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 173
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hestia_46 (AY),

Start 25:
• Found in 2 of 204 (1.0%) of genes in pham
• Manual Annotations of this start: 2 of 173
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kumotta_34 (FB), MargaretKali_34 (FB),

Start 26:
• Found in 4 of 204 (2.0%) of genes in pham
• Manual Annotations of this start: 4 of 173
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Daredevil_83 (DL), Mollymur_93 (DL), Pigu_35 (FB), Towmatter_82 (DL),

Start 27:
• Found in 5 of 204 (2.5%) of genes in pham
• Manual Annotations of this start: 4 of 173
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Che9d_56 (F2), Demsculpinboyz_59 (F2), ThetaBob_54 (F4), Toron_48 (F6), Yoshi_61 (F2),

Start 30:
• Found in 55 of 204 (27.0%) of genes in pham
• Manual Annotations of this start: 1 of 173
• Called 1.8% of time when present
• Phage (with cluster) where this start called: Claus_42 (L2),

Start 32:
• Found in 92 of 204 (45.1%) of genes in pham
• Manual Annotations of this start: 1 of 173
• Called 1.1% of time when present
• Phage (with cluster) where this start called: Baoshan_41 (L2),

Start 34:
• Found in 76 of 204 (37.3%) of genes in pham
• Manual Annotations of this start: 1 of 173
• Called 13.2% of time when present
• Phage (with cluster) where this start called: Bazzle_42 (L2), DHan_43 (L2), DanBing_41 (L2), Hafay_42 (L2), Hiraya_42 (L2), Lynnae_42 (L2), Sarshaun_42 (L2), SoJulia_43 (L2), Soap141_42 (L2), ZhongYanYuan_40 (L2),

Start 36:
• Found in 36 of 204 (17.6%) of genes in pham
• No Manual Annotations of this start.
• Called 5.6% of time when present
• Phage (with cluster) where this start called: ChengKai98_42 (L2), Molivier_42 (L2),

Start 37:
• Found in 12 of 204 (5.9%) of genes in pham
• No Manual Annotations of this start.
• Called 41.7% of time when present
• Phage (with cluster) where this start called: BrainDrainer_40 (L4), Douzhi_39 (L4), FarmResident_40 (L4), PYPDinur_39 (L4), Quby_40 (L4),

Summary by clusters:

There are 21 clusters represented in this pham: singleton, F4, F6, AG, FB, DD, K4, DL, K3, AY, L4, L5, L2, K6, K7, L1, F2, CQ2, CQ1, K8, L3,

Info for manual annotations of cluster AG:
•Start number 14 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster AY:
•Start number 23 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster CQ1:
•Start number 19 was manually annotated 15 times for cluster CQ1.

Info for manual annotations of cluster CQ2:
•Start number 19 was manually annotated 2 times for cluster CQ2.

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

Info for manual annotations of cluster DL:
•Start number 10 was manually annotated 1 time for cluster DL.
•Start number 21 was manually annotated 3 times for cluster DL.
•Start number 26 was manually annotated 3 times for cluster DL.

Info for manual annotations of cluster F2:
•Start number 27 was manually annotated 3 times for cluster F2.

Info for manual annotations of cluster F4:
•Start number 27 was manually annotated 1 time for cluster F4.

Info for manual annotations of cluster FB:
•Start number 25 was manually annotated 2 times for cluster FB.
•Start number 26 was manually annotated 1 time for cluster FB.

Info for manual annotations of cluster K3:
•Start number 14 was manually annotated 9 times for cluster K3.

Info for manual annotations of cluster K4:
•Start number 18 was manually annotated 22 times for cluster K4.

Info for manual annotations of cluster K6:
•Start number 8 was manually annotated 1 time for cluster K6.
•Start number 14 was manually annotated 24 times for cluster K6.

Info for manual annotations of cluster K7:
•Start number 18 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:
•Start number 16 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster L1:
•Start number 14 was manually annotated 19 times for cluster L1.

Info for manual annotations of cluster L2:
•Start number 14 was manually annotated 29 times for cluster L2.
•Start number 30 was manually annotated 1 time for cluster L2.
•Start number 32 was manually annotated 1 time for cluster L2.
•Start number 34 was manually annotated 1 time for cluster L2.

Info for manual annotations of cluster L3:
•Start number 14 was manually annotated 19 times for cluster L3.

Info for manual annotations of cluster L4:
•Start number 14 was manually annotated 6 times for cluster L4.

Info for manual annotations of cluster L5:
•Start number 15 was manually annotated 2 times for cluster L5.

Gene Information:

Gene: Abscondus_97 Start: 58989, Stop: 59189, Start Num: 19
Candidate Starts for Abscondus_97:
(Start: 19 @58989 has 17 MA's), (Start: 34 @59046 has 1 MA's), (35, 59052), (49, 59130), (52, 59145),

Gene: Acquire49_40 Start: 33342, Stop: 33551, Start Num: 14
Candidate Starts for Acquire49_40:
(9, 33285), (Start: 14 @33342 has 107 MA's), (43, 33462),

Gene: Aegeus_45 Start: 37056, Stop: 37259, Start Num: 15
Candidate Starts for Aegeus_45:
(Start: 15 @37056 has 2 MA's), (Start: 30 @37089 has 1 MA's), (Start: 32 @37095 has 1 MA's), (33, 37119), (38, 37152), (50, 37209), (58, 37254),

Gene: Amgine_45 Start: 36475, Stop: 36687, Start Num: 14
Candidate Starts for Amgine_45:
(Start: 14 @36475 has 107 MA's), (47, 36619),

Gene: Aminay_48 Start: 36910, Stop: 37110, Start Num: 18
Candidate Starts for Aminay_48:
(1, 36673), (Start: 18 @36910 has 23 MA's), (36, 36982), (47, 37045),

Gene: Amohnition_40 Start: 32428, Stop: 32189, Start Num: 8
Candidate Starts for Amohnition_40:
(Start: 8 @32428 has 1 MA's), (Start: 30 @32362 has 1 MA's), (33, 32332), (38, 32299), (48, 32251), (51, 32233), (57, 32200),

Gene: Amohnition_47 Start: 36488, Stop: 36700, Start Num: 14
Candidate Starts for Amohnition_47:
(Start: 14 @36488 has 107 MA's), (47, 36632),

Gene: Aphelion_99 Start: 60542, Stop: 60742, Start Num: 19
Candidate Starts for Aphelion_99:
(Start: 19 @60542 has 17 MA's), (Start: 34 @60599 has 1 MA's), (35, 60605), (49, 60683), (52, 60698),

Gene: Applecrisp_44 Start: 35971, Stop: 36183, Start Num: 14
Candidate Starts for Applecrisp_44:
(Start: 14 @35971 has 107 MA's), (47, 36115),

Gene: Appletree2_39 Start: 33269, Stop: 33478, Start Num: 14
Candidate Starts for Appletree2_39:
(9, 33227), (Start: 14 @33269 has 107 MA's), (Start: 34 @33338 has 1 MA's), (43, 33389), (47, 33413), (50, 33425),

Gene: Archie_42 Start: 34898, Stop: 35113, Start Num: 14
Candidate Starts for Archie_42:
(Start: 14 @34898 has 107 MA's), (Start: 30 @34940 has 1 MA's), (47, 35048), (50, 35060),

Gene: AvadaKedavra_40 Start: 33351, Stop: 33560, Start Num: 14
Candidate Starts for AvadaKedavra_40:
(9, 33294), (Start: 14 @33351 has 107 MA's), (43, 33471),

Gene: Bachita_100 Start: 60200, Stop: 60400, Start Num: 19
Candidate Starts for Bachita_100:
(Start: 19 @60200 has 17 MA's), (Start: 34 @60257 has 1 MA's), (35, 60263), (49, 60341), (52, 60356),

Gene: Bantam_93 Start: 62206, Stop: 62006, Start Num: 21
Candidate Starts for Bantam_93:
(Start: 21 @62206 has 3 MA's), (28, 62191), (35, 62146), (45, 62095),

Gene: Baoshan_41 Start: 34603, Stop: 34770, Start Num: 32
Candidate Starts for Baoshan_41:
(Start: 14 @34555 has 107 MA's), (Start: 30 @34597 has 1 MA's), (Start: 32 @34603 has 1 MA's), (Start: 34 @34630 has 1 MA's), (47, 34705), (50, 34717),

Gene: Baudelaire_45 Start: 37056, Stop: 37259, Start Num: 15
Candidate Starts for Baudelaire_45:
(Start: 15 @37056 has 2 MA's), (Start: 30 @37089 has 1 MA's), (Start: 32 @37095 has 1 MA's), (33, 37119), (38, 37152), (50, 37209), (58, 37254),

Gene: Bazzle_42 Start: 35005, Stop: 35145, Start Num: 34
Candidate Starts for Bazzle_42:
(Start: 14 @34930 has 107 MA's), (Start: 30 @34972 has 1 MA's), (Start: 34 @35005 has 1 MA's), (47, 35080), (50, 35092),

Gene: Bellis_40 Start: 34953, Stop: 35168, Start Num: 14
Candidate Starts for Bellis_40:
(Start: 14 @34953 has 107 MA's), (31, 34998), (Start: 32 @35001 has 1 MA's), (43, 35079),

Gene: BigAnti_34 Start: 36676, Stop: 36885, Start Num: 20
Candidate Starts for BigAnti_34:
(20, 36676),

Gene: BigCheese_42 Start: 34694, Stop: 34909, Start Num: 14
Candidate Starts for BigCheese_42:
(Start: 14 @34694 has 107 MA's), (Start: 30 @34736 has 1 MA's), (Start: 32 @34742 has 1 MA's), (Start: 34 @34769 has 1 MA's), (36, 34781), (47, 34844), (50, 34856),

Gene: Bobquesha_51 Start: 35789, Stop: 35974, Start Num: 18
Candidate Starts for Bobquesha_51:
(Start: 18 @35789 has 23 MA's), (47, 35909),

Gene: BobsGarage_42 Start: 34694, Stop: 34909, Start Num: 14
Candidate Starts for BobsGarage_42:
(Start: 14 @34694 has 107 MA's), (Start: 30 @34736 has 1 MA's), (Start: 32 @34742 has 1 MA's), (Start: 34 @34769 has 1 MA's), (36, 34781), (47, 34844), (50, 34856),

Gene: Boilgate_44 Start: 36561, Stop: 36746, Start Num: 16
Candidate Starts for Boilgate_44:
(Start: 16 @36561 has 1 MA's),

Gene: BourbonZero_39 Start: 34932, Stop: 35150, Start Num: 14
Candidate Starts for BourbonZero_39:
(Start: 14 @34932 has 107 MA's), (31, 34980), (Start: 32 @34983 has 1 MA's), (43, 35061),

Gene: BrainDrainer_40 Start: 33711, Stop: 33842, Start Num: 37
Candidate Starts for BrainDrainer_40:
(Start: 14 @33615 has 107 MA's), (Start: 30 @33657 has 1 MA's), (37, 33711), (43, 33741), (47, 33765),

Gene: Breezona_42 Start: 34694, Stop: 34909, Start Num: 14
Candidate Starts for Breezona_42:
(Start: 14 @34694 has 107 MA's), (Start: 30 @34736 has 1 MA's), (Start: 32 @34742 has 1 MA's), (Start: 34 @34769 has 1 MA's), (36, 34781), (47, 34844), (50, 34856),

Gene: Bromden_41 Start: 34169, Stop: 34384, Start Num: 14
Candidate Starts for Bromden_41:
(Start: 14 @34169 has 107 MA's), (40, 34280), (43, 34295), (47, 34319),

Gene: BrutonGaster_80 Start: 54552, Stop: 54749, Start Num: 19
Candidate Starts for BrutonGaster_80:
(Start: 19 @54552 has 17 MA's), (44, 54663), (49, 54693),

Gene: Bryler_48 Start: 35349, Stop: 35561, Start Num: 14
Candidate Starts for Bryler_48:
(4, 35259), (Start: 14 @35349 has 107 MA's), (Start: 18 @35364 has 23 MA's), (33, 35415), (Start: 34 @35418 has 1 MA's), (47, 35493),

Gene: Cain_48 Start: 35337, Stop: 35549, Start Num: 14
Candidate Starts for Cain_48:
(4, 35247), (Start: 14 @35337 has 107 MA's), (Start: 18 @35352 has 23 MA's), (33, 35403), (Start: 34 @35406 has 1 MA's), (47, 35481),

Gene: Calm_40 Start: 33357, Stop: 33566, Start Num: 14
Candidate Starts for Calm_40:
(9, 33300), (Start: 14 @33357 has 107 MA's), (43, 33477),

Gene: Cardigan_110 Start: 64662, Stop: 64865, Start Num: 22
Candidate Starts for Cardigan_110:
(Start: 22 @64662 has 3 MA's), (43, 64764), (47, 64788), (50, 64803),

Gene: Chancellor_49 Start: 36414, Stop: 36599, Start Num: 18
Candidate Starts for Chancellor_49:
(Start: 18 @36414 has 23 MA's), (Start: 32 @36432 has 1 MA's), (33, 36456), (47, 36534),

Gene: Chaser_39 Start: 33432, Stop: 33659, Start Num: 14
Candidate Starts for Chaser_39:
(Start: 14 @33432 has 107 MA's), (Start: 30 @33474 has 1 MA's), (37, 33528), (43, 33558), (47, 33582),

Gene: Che9d_56 Start: 35970, Stop: 36149, Start Num: 27
Candidate Starts for Che9d_56:
(Start: 27 @35970 has 4 MA's), (Start: 34 @36009 has 1 MA's), (35, 36015), (38, 36045), (41, 36060), (42, 36063), (54, 36132), (55, 36138),

Gene: Cheetobro_49 Start: 36411, Stop: 36596, Start Num: 18
Candidate Starts for Cheetobro_49:
(Start: 18 @36411 has 23 MA's), (Start: 32 @36429 has 1 MA's), (33, 36453), (47, 36531),

Gene: ChengKai98_42 Start: 34782, Stop: 34910, Start Num: 36
Candidate Starts for ChengKai98_42:
(Start: 14 @34695 has 107 MA's), (Start: 30 @34737 has 1 MA's), (Start: 32 @34743 has 1 MA's), (Start: 34 @34770 has 1 MA's), (36, 34782), (47, 34845), (50, 34857),

Gene: ChutneyChips_40 Start: 33612, Stop: 33839, Start Num: 14
Candidate Starts for ChutneyChips_40:
(Start: 14 @33612 has 107 MA's), (Start: 30 @33654 has 1 MA's), (37, 33708), (43, 33738), (47, 33762),

Gene: CicholasNage_40 Start: 33378, Stop: 33587, Start Num: 14
Candidate Starts for CicholasNage_40:
(9, 33321), (Start: 14 @33378 has 107 MA's), (43, 33498),

Gene: Claus_42 Start: 34755, Stop: 34928, Start Num: 30
Candidate Starts for Claus_42:
(Start: 14 @34713 has 107 MA's), (Start: 30 @34755 has 1 MA's), (Start: 32 @34761 has 1 MA's), (Start: 34 @34788 has 1 MA's), (47, 34863), (50, 34875), (54, 34905),

Gene: Clautastrophe_40 Start: 34951, Stop: 35166, Start Num: 14
Candidate Starts for Clautastrophe_40:
(Start: 14 @34951 has 107 MA's), (31, 34996), (Start: 32 @34999 has 1 MA's), (43, 35077),

Gene: ClubL_99 Start: 59132, Stop: 59332, Start Num: 19
Candidate Starts for ClubL_99:
(11, 59090), (Start: 19 @59132 has 17 MA's), (49, 59273), (52, 59288),

Gene: Crossroads_42 Start: 34696, Stop: 34911, Start Num: 14
Candidate Starts for Crossroads_42:
(Start: 14 @34696 has 107 MA's), (Start: 30 @34738 has 1 MA's), (Start: 32 @34744 has 1 MA's), (Start: 34 @34771 has 1 MA's), (36, 34783), (47, 34846), (50, 34858),

Gene: Cucurbita_99 Start: 60707, Stop: 60907, Start Num: 19
Candidate Starts for Cucurbita_99:
(Start: 19 @60707 has 17 MA's), (Start: 34 @60764 has 1 MA's), (35, 60770), (49, 60848), (52, 60863),

Gene: Culver_100 Start: 59032, Stop: 59232, Start Num: 19
Candidate Starts for Culver_100:
(Start: 19 @59032 has 17 MA's), (49, 59173), (52, 59188),

Gene: DHan_43 Start: 34729, Stop: 34869, Start Num: 34
Candidate Starts for DHan_43:
(Start: 14 @34654 has 107 MA's), (Start: 30 @34696 has 1 MA's), (Start: 32 @34702 has 1 MA's), (Start: 34 @34729 has 1 MA's), (47, 34804), (50, 34816), (54, 34846),

Gene: DS6A_60 Start: 41278, Stop: 41484, Start Num: 17
Candidate Starts for DS6A_60:
(Start: 17 @41278 has 1 MA's), (24, 41299), (29, 41308), (37, 41365), (38, 41374), (39, 41377), (45, 41401), (46, 41404), (47, 41419), (48, 41422),

Gene: DanBing_41 Start: 34621, Stop: 34761, Start Num: 34
Candidate Starts for DanBing_41:
(Start: 14 @34546 has 107 MA's), (Start: 30 @34588 has 1 MA's), (Start: 32 @34594 has 1 MA's), (Start: 34 @34621 has 1 MA's), (47, 34696), (50, 34708),

Gene: DanSyl44_52 Start: 37457, Stop: 37642, Start Num: 18
Candidate Starts for DanSyl44_52:
(Start: 18 @37457 has 23 MA's), (Start: 32 @37475 has 1 MA's), (33, 37499), (47, 37577),

Gene: Daredevil_83 Start: 57872, Stop: 57690, Start Num: 26
Candidate Starts for Daredevil_83:
(Start: 26 @57872 has 4 MA's), (43, 57782), (48, 57755),

Gene: DarthP_47 Start: 36375, Stop: 36584, Start Num: 14
Candidate Starts for DarthP_47:
(Start: 14 @36375 has 107 MA's), (43, 36492), (47, 36516),

Gene: DatBoi_89 Start: 61354, Stop: 61154, Start Num: 21
Candidate Starts for DatBoi_89:
(Start: 21 @61354 has 3 MA's), (28, 61339), (45, 61243),

Gene: DatBoi_62 Start: 46946, Stop: 47191, Start Num: 10
Candidate Starts for DatBoi_62:
(Start: 10 @46946 has 1 MA's), (13, 46970), (42, 47096), (43, 47099),

Gene: Demsculpinboyz_59 Start: 36079, Stop: 36258, Start Num: 27
Candidate Starts for Demsculpinboyz_59:
(Start: 27 @36079 has 4 MA's), (Start: 34 @36118 has 1 MA's), (35, 36124), (38, 36154), (41, 36169), (42, 36172), (51, 36220), (54, 36241), (55, 36247),

Gene: DirkDirk_39 Start: 33329, Stop: 33538, Start Num: 14
Candidate Starts for DirkDirk_39:
(9, 33287), (Start: 14 @33329 has 107 MA's), (Start: 34 @33398 has 1 MA's), (43, 33449), (47, 33473), (50, 33485),

Gene: Douge_39 Start: 33370, Stop: 33597, Start Num: 14
Candidate Starts for Douge_39:
(Start: 14 @33370 has 107 MA's), (Start: 30 @33412 has 1 MA's), (37, 33466), (43, 33496), (47, 33520),

Gene: Douzhi_39 Start: 33572, Stop: 33703, Start Num: 37
Candidate Starts for Douzhi_39:
(Start: 14 @33476 has 107 MA's), (Start: 30 @33518 has 1 MA's), (37, 33572), (43, 33602), (47, 33626),

Gene: DrSeegs_42 Start: 34694, Stop: 34909, Start Num: 14
Candidate Starts for DrSeegs_42:
(Start: 14 @34694 has 107 MA's), (Start: 30 @34736 has 1 MA's), (Start: 32 @34742 has 1 MA's), (Start: 34 @34769 has 1 MA's), (36, 34781), (47, 34844), (50, 34856),

Gene: DuncansLeg_40 Start: 34969, Stop: 35187, Start Num: 14
Candidate Starts for DuncansLeg_40:
(Start: 14 @34969 has 107 MA's), (31, 35017), (Start: 32 @35020 has 1 MA's), (43, 35098),

Gene: Dusty_96 Start: 59048, Stop: 59248, Start Num: 19
Candidate Starts for Dusty_96:
(Start: 19 @59048 has 17 MA's), (Start: 34 @59105 has 1 MA's), (35, 59111), (49, 59189), (52, 59204),

Gene: DyoEdafos_41 Start: 33704, Stop: 33919, Start Num: 14
Candidate Starts for DyoEdafos_41:
(6, 33605), (Start: 14 @33704 has 107 MA's), (Start: 32 @33752 has 1 MA's), (37, 33800), (43, 33830), (47, 33854),

Gene: Ekdilam_44 Start: 35937, Stop: 36149, Start Num: 14
Candidate Starts for Ekdilam_44:
(Start: 14 @35937 has 107 MA's), (Start: 34 @36006 has 1 MA's), (47, 36081),

Gene: Ellie_43 Start: 35663, Stop: 35875, Start Num: 14
Candidate Starts for Ellie_43:
(Start: 14 @35663 has 107 MA's), (47, 35807),

Gene: Ellson_40 Start: 34945, Stop: 35163, Start Num: 14
Candidate Starts for Ellson_40:
(Start: 14 @34945 has 107 MA's), (31, 34993), (Start: 32 @34996 has 1 MA's), (43, 35074),

Gene: Enceladus_39 Start: 33312, Stop: 33521, Start Num: 14
Candidate Starts for Enceladus_39:
(9, 33270), (Start: 14 @33312 has 107 MA's), (Start: 34 @33381 has 1 MA's), (43, 33432), (47, 33456), (50, 33468),

Gene: Engineer_99 Start: 60173, Stop: 60373, Start Num: 19
Candidate Starts for Engineer_99:

(Start: 19 @60173 has 17 MA's), (Start: 34 @60230 has 1 MA's), (35, 60236), (49, 60314), (52, 60329),

Gene: Eponine_51 Start: 37164, Stop: 37352, Start Num: 18
Candidate Starts for Eponine_51:
(7, 37113), (Start: 18 @37164 has 23 MA's), (Start: 32 @37185 has 1 MA's), (33, 37209), (47, 37287),

Gene: Faith1_42 Start: 34694, Stop: 34909, Start Num: 14
Candidate Starts for Faith1_42:
(Start: 14 @34694 has 107 MA's), (Start: 30 @34736 has 1 MA's), (Start: 32 @34742 has 1 MA's), (Start: 34 @34769 has 1 MA's), (36, 34781), (47, 34844), (50, 34856),

Gene: FarmResident_40 Start: 33510, Stop: 33641, Start Num: 37
Candidate Starts for FarmResident_40:
(Start: 14 @33414 has 107 MA's), (Start: 30 @33456 has 1 MA's), (37, 33510), (43, 33540), (47, 33564),

Gene: Fefferhead_45 Start: 35614, Stop: 35826, Start Num: 14
Candidate Starts for Fefferhead_45:
(Start: 14 @35614 has 107 MA's), (47, 35758),

Gene: Finemlucis_42 Start: 34970, Stop: 35185, Start Num: 14
Candidate Starts for Finemlucis_42:
(Start: 14 @34970 has 107 MA's), (Start: 30 @35012 has 1 MA's), (Start: 32 @35018 has 1 MA's), (36, 35057), (47, 35120), (50, 35132),

Gene: Finnry_40 Start: 34954, Stop: 35169, Start Num: 14
Candidate Starts for Finnry_40:
(Start: 14 @34954 has 107 MA's), (31, 34999), (Start: 32 @35002 has 1 MA's), (43, 35080),

Gene: Fionnbharth_49 Start: 36562, Stop: 36750, Start Num: 18
Candidate Starts for Fionnbharth_49:
(7, 36511), (Start: 18 @36562 has 23 MA's), (Start: 32 @36583 has 1 MA's), (33, 36607), (47, 36685),

Gene: Gabriela_42 Start: 34956, Stop: 35171, Start Num: 14
Candidate Starts for Gabriela_42:
(Start: 14 @34956 has 107 MA's), (Start: 30 @34998 has 1 MA's), (Start: 32 @35004 has 1 MA's), (Start: 34 @35031 has 1 MA's), (36, 35043), (47, 35106), (50, 35118),

Gene: Gardann_42 Start: 34695, Stop: 34910, Start Num: 14
Candidate Starts for Gardann_42:
(Start: 14 @34695 has 107 MA's), (Start: 30 @34737 has 1 MA's), (Start: 32 @34743 has 1 MA's), (Start: 34 @34770 has 1 MA's), (36, 34782), (47, 34845), (50, 34857),

Gene: Geeche_97 Start: 59271, Stop: 59471, Start Num: 19
Candidate Starts for Geeche_97:
(Start: 19 @59271 has 17 MA's), (Start: 34 @59328 has 1 MA's), (35, 59334), (49, 59412), (52, 59427),

Gene: GuuelaD_42 Start: 34733, Stop: 34948, Start Num: 14
Candidate Starts for GuuelaD_42:
(Start: 14 @34733 has 107 MA's), (Start: 30 @34775 has 1 MA's), (Start: 32 @34781 has 1 MA's), (Start: 34 @34808 has 1 MA's), (36, 34820), (47, 34883), (50, 34895),

Gene: Hafay_42 Start: 34803, Stop: 34943, Start Num: 34

Candidate Starts for Hafay_42:
(Start: 14 @34728 has 107 MA's), (Start: 30 @34770 has 1 MA's), (Start: 32 @34776 has 1 MA's), (Start: 34 @34803 has 1 MA's), (36, 34815), (47, 34878), (50, 34890),

Gene: Halena_39 Start: 33353, Stop: 33562, Start Num: 14
Candidate Starts for Halena_39:
(9, 33296), (Start: 14 @33353 has 107 MA's), (43, 33473),

Gene: Hammy_47 Start: 36363, Stop: 36572, Start Num: 14
Candidate Starts for Hammy_47:
(Start: 14 @36363 has 107 MA's), (43, 36480), (47, 36504),

Gene: Hestia_46 Start: 29789, Stop: 29977, Start Num: 23
Candidate Starts for Hestia_46:
(Start: 23 @29789 has 1 MA's),

Gene: Hiraya_42 Start: 34770, Stop: 34910, Start Num: 34
Candidate Starts for Hiraya_42:
(Start: 14 @34695 has 107 MA's), (Start: 30 @34737 has 1 MA's), (Start: 32 @34743 has 1 MA's), (Start: 34 @34770 has 1 MA's), (36, 34782), (47, 34845), (50, 34857),

Gene: Hurricane_48 Start: 36096, Stop: 36308, Start Num: 14
Candidate Starts for Hurricane_48:
(Start: 14 @36096 has 107 MA's), (43, 36216), (47, 36240),

Gene: Itos_41 Start: 33600, Stop: 33815, Start Num: 14
Candidate Starts for Itos_41:
(Start: 14 @33600 has 107 MA's), (Start: 30 @33642 has 1 MA's), (Start: 32 @33648 has 1 MA's), (Start: 34 @33675 has 1 MA's), (36, 33687), (47, 33750), (50, 33762),

Gene: JF1_49 Start: 36482, Stop: 36667, Start Num: 18
Candidate Starts for JF1_49:
(Start: 18 @36482 has 23 MA's), (Start: 32 @36500 has 1 MA's), (33, 36524), (47, 36602),

Gene: Jobypre_40 Start: 34951, Stop: 35166, Start Num: 14
Candidate Starts for Jobypre_40:
(Start: 14 @34951 has 107 MA's), (31, 34996), (Start: 32 @34999 has 1 MA's), (43, 35077),

Gene: JoeDirt_39 Start: 33310, Stop: 33519, Start Num: 14
Candidate Starts for JoeDirt_39:
(9, 33268), (Start: 14 @33310 has 107 MA's), (Start: 34 @33379 has 1 MA's), (43, 33430), (47, 33454), (50, 33466),

Gene: JonJames_112 Start: 65173, Stop: 65376, Start Num: 22
Candidate Starts for JonJames_112:
(Start: 22 @65173 has 3 MA's), (43, 65275), (47, 65299), (50, 65314), (56, 65353),

Gene: Jubie_40 Start: 34952, Stop: 35167, Start Num: 14
Candidate Starts for Jubie_40:
(Start: 14 @34952 has 107 MA's), (31, 34997), (Start: 32 @35000 has 1 MA's), (43, 35078),

Gene: Juliette_51 Start: 36638, Stop: 36823, Start Num: 18
Candidate Starts for Juliette_51:

(Start: 18 @36638 has 23 MA's), (Start: 32 @36656 has 1 MA's), (33, 36680), (47, 36758),

Gene: Kahlid_42 Start: 34700, Stop: 34915, Start Num: 14
Candidate Starts for Kahlid_42:
(Start: 14 @34700 has 107 MA's), (Start: 30 @34742 has 1 MA's), (Start: 32 @34748 has 1 MA's), (Start: 34 @34775 has 1 MA's), (36, 34787), (47, 34850), (50, 34862),

Gene: Keshu_49 Start: 36154, Stop: 36366, Start Num: 14
Candidate Starts for Keshu_49:
(Start: 14 @36154 has 107 MA's), (43, 36274), (47, 36298),

Gene: Kingsolomon_40 Start: 34951, Stop: 35166, Start Num: 14
Candidate Starts for Kingsolomon_40:
(Start: 14 @34951 has 107 MA's), (31, 34996), (Start: 32 @34999 has 1 MA's), (43, 35077),

Gene: KirDoubleO7_38 Start: 34973, Stop: 35191, Start Num: 14
Candidate Starts for KirDoubleO7_38:
(Start: 14 @34973 has 107 MA's), (31, 35021), (Start: 32 @35024 has 1 MA's), (43, 35102),

Gene: Kraw_49 Start: 36326, Stop: 36511, Start Num: 18
Candidate Starts for Kraw_49:
(Start: 18 @36326 has 23 MA's), (Start: 32 @36344 has 1 MA's), (33, 36368), (47, 36446),

Gene: Kropertea_40 Start: 33527, Stop: 33742, Start Num: 14
Candidate Starts for Kropertea_40:
(6, 33428), (Start: 14 @33527 has 107 MA's), (Start: 32 @33575 has 1 MA's), (37, 33623), (43, 33653), (47, 33677),

Gene: Krueger_51 Start: 36343, Stop: 36555, Start Num: 14
Candidate Starts for Krueger_51:
(Start: 14 @36343 has 107 MA's), (Start: 18 @36358 has 23 MA's), (33, 36409), (Start: 34 @36412 has 1 MA's), (47, 36487),

Gene: Krypton555_40 Start: 34868, Stop: 35083, Start Num: 14
Candidate Starts for Krypton555_40:
(Start: 14 @34868 has 107 MA's), (31, 34913), (Start: 32 @34916 has 1 MA's), (43, 34994),

Gene: Kumotta_34 Start: 26417, Stop: 26599, Start Num: 25
Candidate Starts for Kumotta_34:
(Start: 25 @26417 has 2 MA's),

Gene: Lavahound_44 Start: 36596, Stop: 36808, Start Num: 14
Candidate Starts for Lavahound_44:
(Start: 14 @36596 has 107 MA's), (47, 36740),

Gene: LeBron_40 Start: 33354, Stop: 33563, Start Num: 14
Candidate Starts for LeBron_40:
(9, 33312), (Start: 14 @33354 has 107 MA's), (Start: 34 @33423 has 1 MA's), (43, 33474), (47, 33498), (50, 33510),

Gene: Lea83_48 Start: 36128, Stop: 36340, Start Num: 14
Candidate Starts for Lea83_48:
(Start: 14 @36128 has 107 MA's), (43, 36248), (47, 36272),

Gene: Lebo14_48 Start: 36592, Stop: 36777, Start Num: 18
Candidate Starts for Lebo14_48:
(Start: 18 @36592 has 23 MA's), (Start: 32 @36610 has 1 MA's), (33, 36634), (47, 36712),

Gene: Lewan_42 Start: 34687, Stop: 34902, Start Num: 14
Candidate Starts for Lewan_42:
(Start: 14 @34687 has 107 MA's), (Start: 30 @34729 has 1 MA's), (Start: 32 @34735 has 1 MA's), (Start: 34 @34762 has 1 MA's), (36, 34774), (47, 34837), (50, 34849),

Gene: LilDestine_42 Start: 34692, Stop: 34907, Start Num: 14
Candidate Starts for LilDestine_42:
(Start: 14 @34692 has 107 MA's), (Start: 30 @34734 has 1 MA's), (Start: 32 @34740 has 1 MA's), (Start: 34 @34767 has 1 MA's), (36, 34779), (47, 34842), (50, 34854),

Gene: LiyuLake_40 Start: 34935, Stop: 35153, Start Num: 14
Candidate Starts for LiyuLake_40:
(Start: 14 @34935 has 107 MA's), (31, 34983), (Start: 32 @34986 has 1 MA's), (43, 35064),

Gene: Loadrie_42 Start: 34726, Stop: 34941, Start Num: 14
Candidate Starts for Loadrie_42:
(Start: 14 @34726 has 107 MA's), (Start: 30 @34768 has 1 MA's), (Start: 32 @34774 has 1 MA's), (Start: 34 @34801 has 1 MA's), (36, 34813), (47, 34876), (50, 34888),

Gene: Lolly9_40 Start: 34759, Stop: 34977, Start Num: 14
Candidate Starts for Lolly9_40:
(Start: 14 @34759 has 107 MA's), (31, 34807), (Start: 32 @34810 has 1 MA's), (43, 34888),

Gene: Lozinak_98 Start: 60011, Stop: 60211, Start Num: 19
Candidate Starts for Lozinak_98:
(Start: 19 @60011 has 17 MA's), (Start: 34 @60068 has 1 MA's), (35, 60074), (49, 60152), (52, 60167),

Gene: Lumos_40 Start: 34948, Stop: 35163, Start Num: 14
Candidate Starts for Lumos_40:
(Start: 14 @34948 has 107 MA's), (31, 34993), (Start: 32 @34996 has 1 MA's), (43, 35074),

Gene: Lynnae_42 Start: 34758, Stop: 34898, Start Num: 34
Candidate Starts for Lynnae_42:
(Start: 14 @34683 has 107 MA's), (Start: 30 @34725 has 1 MA's), (Start: 32 @34731 has 1 MA's), (Start: 34 @34758 has 1 MA's), (36, 34770), (47, 34833), (50, 34845),

Gene: MAckerman_40 Start: 33347, Stop: 33556, Start Num: 14
Candidate Starts for MAckerman_40:
(9, 33290), (Start: 14 @33347 has 107 MA's), (43, 33467),

Gene: MacnCheese_49 Start: 37043, Stop: 37276, Start Num: 14
Candidate Starts for MacnCheese_49:
(Start: 14 @37043 has 107 MA's), (43, 37163), (47, 37187),

Gene: Malthus_50 Start: 36326, Stop: 36511, Start Num: 18
Candidate Starts for Malthus_50:
(Start: 18 @36326 has 23 MA's), (Start: 32 @36344 has 1 MA's), (33, 36368), (47, 36446),

Gene: MargaretKali_34 Start: 26052, Stop: 26234, Start Num: 25
Candidate Starts for MargaretKali_34:
(Start: 25 @26052 has 2 MA's),

Gene: Miley16_42 Start: 34694, Stop: 34909, Start Num: 14
Candidate Starts for Miley16_42:
(Start: 14 @34694 has 107 MA's), (Start: 30 @34736 has 1 MA's), (Start: 32 @34742 has 1 MA's), (Start: 34 @34769 has 1 MA's), (36, 34781), (47, 34844), (50, 34856),

Gene: MiniLon_40 Start: 34760, Stop: 34978, Start Num: 14
Candidate Starts for MiniLon_40:
(Start: 14 @34760 has 107 MA's), (31, 34808), (Start: 32 @34811 has 1 MA's), (43, 34889),

Gene: MiniMac_40 Start: 34757, Stop: 34975, Start Num: 14
Candidate Starts for MiniMac_40:
(Start: 14 @34757 has 107 MA's), (31, 34805), (Start: 32 @34808 has 1 MA's), (43, 34886),

Gene: Miskis_92 Start: 58711, Stop: 58911, Start Num: 19
Candidate Starts for Miskis_92:
(Start: 19 @58711 has 17 MA's), (Start: 34 @58768 has 1 MA's), (35, 58774), (49, 58852), (52, 58867),

Gene: MissDaisy_47 Start: 35801, Stop: 35989, Start Num: 18
Candidate Starts for MissDaisy_47:
(Start: 18 @35801 has 23 MA's), (33, 35846), (47, 35924),

Gene: Mitti_49 Start: 36502, Stop: 36687, Start Num: 18
Candidate Starts for Mitti_49:
(Start: 18 @36502 has 23 MA's), (Start: 32 @36520 has 1 MA's), (33, 36544), (47, 36622),

Gene: MkaliMitinis3_42 Start: 34696, Stop: 34911, Start Num: 14
Candidate Starts for MkaliMitinis3_42:
(Start: 14 @34696 has 107 MA's), (Start: 30 @34738 has 1 MA's), (Start: 32 @34744 has 1 MA's), (Start: 34 @34771 has 1 MA's), (36, 34783), (47, 34846), (50, 34858),

Gene: Molivier_42 Start: 34778, Stop: 34906, Start Num: 36
Candidate Starts for Molivier_42:
(Start: 14 @34691 has 107 MA's), (Start: 30 @34733 has 1 MA's), (Start: 32 @34739 has 1 MA's), (Start: 34 @34766 has 1 MA's), (36, 34778), (47, 34841), (50, 34853),

Gene: Mollymur_93 Start: 63027, Stop: 62845, Start Num: 26
Candidate Starts for Mollymur_93:
(Start: 26 @63027 has 4 MA's),

Gene: Moostard_40 Start: 34953, Stop: 35168, Start Num: 14
Candidate Starts for Moostard_40:
(Start: 14 @34953 has 107 MA's), (31, 34998), (Start: 32 @35001 has 1 MA's), (43, 35079),

Gene: MsGreen_40 Start: 34951, Stop: 35166, Start Num: 14
Candidate Starts for MsGreen_40:
(Start: 14 @34951 has 107 MA's), (31, 34996), (Start: 32 @34999 has 1 MA's), (43, 35077),

Gene: Nergal_42 Start: 34081, Stop: 34293, Start Num: 14
Candidate Starts for Nergal_42:

(Start: 14 @34081 has 107 MA's), (43, 34201), (47, 34225),

Gene: Netyap_42 Start: 34694, Stop: 34909, Start Num: 14
Candidate Starts for Netyap_42:
(Start: 14 @34694 has 107 MA's), (Start: 30 @34736 has 1 MA's), (Start: 32 @34742 has 1 MA's), (Start: 34 @34769 has 1 MA's), (36, 34781), (47, 34844), (50, 34856),

Gene: Nicholas_40 Start: 34951, Stop: 35166, Start Num: 14
Candidate Starts for Nicholas_40:
(Start: 14 @34951 has 107 MA's), (31, 34996), (Start: 32 @34999 has 1 MA's), (43, 35077),

Gene: Nicholasp3_42 Start: 34695, Stop: 34910, Start Num: 14
Candidate Starts for Nicholasp3_42:
(Start: 14 @34695 has 107 MA's), (Start: 30 @34737 has 1 MA's), (Start: 32 @34743 has 1 MA's), (Start: 34 @34770 has 1 MA's), (36, 34782), (47, 34845), (50, 34857),

Gene: Nolwazi_51 Start: 36405, Stop: 36590, Start Num: 18
Candidate Starts for Nolwazi_51:
(Start: 18 @36405 has 23 MA's), (Start: 32 @36423 has 1 MA's), (33, 36447), (47, 36525),

Gene: Norvs_100 Start: 60040, Stop: 60240, Start Num: 19
Candidate Starts for Norvs_100:
(Start: 19 @60040 has 17 MA's), (Start: 34 @60097 has 1 MA's), (35, 60103), (49, 60181), (52, 60196),

Gene: November_45 Start: 36096, Stop: 36308, Start Num: 14
Candidate Starts for November_45:
(Start: 14 @36096 has 107 MA's), (58, 36297),

Gene: OhShagHennessy_39 Start: 33300, Stop: 33509, Start Num: 14
Candidate Starts for OhShagHennessy_39:
(9, 33258), (Start: 14 @33300 has 107 MA's), (Start: 34 @33369 has 1 MA's), (43, 33420), (47, 33444), (50, 33456),

Gene: OmniCritical_48 Start: 36311, Stop: 36496, Start Num: 18
Candidate Starts for OmniCritical_48:
(Start: 18 @36311 has 23 MA's), (Start: 32 @36329 has 1 MA's), (33, 36353), (47, 36431),

Gene: OneUp_86 Start: 56418, Stop: 56615, Start Num: 19
Candidate Starts for OneUp_86:
(5, 56301), (11, 56376), (12, 56394), (Start: 19 @56418 has 17 MA's), (52, 56574),

Gene: OverPar_42 Start: 34726, Stop: 34941, Start Num: 14
Candidate Starts for OverPar_42:
(Start: 14 @34726 has 107 MA's), (Start: 30 @34768 has 1 MA's), (Start: 32 @34774 has 1 MA's), (Start: 34 @34801 has 1 MA's), (36, 34813), (47, 34876), (50, 34888),

Gene: PYPDinur_39 Start: 33572, Stop: 33703, Start Num: 37
Candidate Starts for PYPDinur_39:
(Start: 14 @33476 has 107 MA's), (Start: 30 @33518 has 1 MA's), (37, 33572), (43, 33602), (47, 33626),

Gene: Patt_46 Start: 35525, Stop: 35713, Start Num: 18
Candidate Starts for Patt_46:

(1, 35309), (Start: 18 @35525 has 23 MA's), (33, 35570), (47, 35648),

Gene: Pharb_45 Start: 34846, Stop: 35067, Start Num: 14
Candidate Starts for Pharb_45:
(4, 34756), (Start: 14 @34846 has 107 MA's), (43, 34966), (47, 34990),

Gene: PhelpsODU_47 Start: 35370, Stop: 35582, Start Num: 14
Candidate Starts for PhelpsODU_47:
(4, 35280), (Start: 14 @35370 has 107 MA's), (Start: 18 @35385 has 23 MA's), (33, 35436), (Start: 34 @35439 has 1 MA's), (47, 35514),

Gene: PhinkBoden_97 Start: 59801, Stop: 60001, Start Num: 19
Candidate Starts for PhinkBoden_97:
(Start: 19 @59801 has 17 MA's), (Start: 34 @59858 has 1 MA's), (35, 59864), (49, 59942), (52, 59957),

Gene: Phrank_48 Start: 35327, Stop: 35539, Start Num: 14
Candidate Starts for Phrank_48:
(4, 35237), (Start: 14 @35327 has 107 MA's), (Start: 18 @35342 has 23 MA's), (33, 35393), (Start: 34 @35396 has 1 MA's), (47, 35471),

Gene: Pigu_35 Start: 25613, Stop: 25792, Start Num: 26
Candidate Starts for Pigu_35:
(2, 25346), (Start: 26 @25613 has 4 MA's), (33, 25652),

Gene: Pixie_47 Start: 35607, Stop: 35819, Start Num: 14
Candidate Starts for Pixie_47:
(Start: 14 @35607 has 107 MA's), (31, 35646), (43, 35727), (47, 35751),

Gene: Poochiewood_39 Start: 33328, Stop: 33537, Start Num: 14
Candidate Starts for Poochiewood_39:
(9, 33286), (Start: 14 @33328 has 107 MA's), (Start: 34 @33397 has 1 MA's), (43, 33448), (47, 33472), (50, 33484),

Gene: Qhanda_51 Start: 36423, Stop: 36608, Start Num: 18
Candidate Starts for Qhanda_51:
(Start: 18 @36423 has 23 MA's), (Start: 32 @36441 has 1 MA's), (33, 36465), (47, 36543),

Gene: Quby_40 Start: 33466, Stop: 33597, Start Num: 37
Candidate Starts for Quby_40:
(Start: 14 @33370 has 107 MA's), (37, 33466), (43, 33496), (47, 33520),

Gene: Red305_40 Start: 34951, Stop: 35166, Start Num: 14
Candidate Starts for Red305_40:
(Start: 14 @34951 has 107 MA's), (31, 34996), (Start: 32 @34999 has 1 MA's), (43, 35077),

Gene: Reptar3000_47 Start: 35516, Stop: 35701, Start Num: 18
Candidate Starts for Reptar3000_47:
(Start: 18 @35516 has 23 MA's), (47, 35636),

Gene: Rose5_39 Start: 33342, Stop: 33551, Start Num: 14
Candidate Starts for Rose5_39:
(9, 33285), (Start: 14 @33342 has 107 MA's), (43, 33462),

Gene: Rossetti_42 Start: 34961, Stop: 35176, Start Num: 14
Candidate Starts for Rossetti_42:
(Start: 14 @34961 has 107 MA's), (Start: 30 @35003 has 1 MA's), (Start: 32 @35009 has 1 MA's), (47, 35111), (50, 35123),

Gene: Rumpelstiltskin_42 Start: 34961, Stop: 35173, Start Num: 14
Candidate Starts for Rumpelstiltskin_42:
(Start: 14 @34961 has 107 MA's), (Start: 30 @35003 has 1 MA's), (Start: 32 @35009 has 1 MA's), (Start: 34 @35036 has 1 MA's), (36, 35048), (47, 35111), (50, 35123),

Gene: Ruthiejr_50 Start: 36376, Stop: 36561, Start Num: 18
Candidate Starts for Ruthiejr_50:
(Start: 18 @36376 has 23 MA's), (Start: 32 @36394 has 1 MA's), (33, 36418), (47, 36496),

Gene: SamScheppers_47 Start: 36805, Stop: 36990, Start Num: 18
Candidate Starts for SamScheppers_47:
(Start: 18 @36805 has 23 MA's), (Start: 32 @36823 has 1 MA's), (33, 36847), (47, 36925),

Gene: Samty_40 Start: 34952, Stop: 35167, Start Num: 14
Candidate Starts for Samty_40:
(Start: 14 @34952 has 107 MA's), (31, 34997), (Start: 32 @35000 has 1 MA's), (43, 35078),

Gene: Sarshaun_42 Start: 34803, Stop: 34943, Start Num: 34
Candidate Starts for Sarshaun_42:
(Start: 14 @34728 has 107 MA's), (Start: 30 @34770 has 1 MA's), (Start: 32 @34776 has 1 MA's), (Start: 34 @34803 has 1 MA's), (36, 34815), (47, 34878), (50, 34890),

Gene: Shadow1_50 Start: 36488, Stop: 36700, Start Num: 14
Candidate Starts for Shadow1_50:
(Start: 14 @36488 has 107 MA's), (Start: 18 @36503 has 23 MA's), (47, 36632), (58, 36689),

Gene: ShedlockHolmes_48 Start: 36132, Stop: 36344, Start Num: 14
Candidate Starts for ShedlockHolmes_48:
(Start: 14 @36132 has 107 MA's), (43, 36252), (47, 36276),

Gene: Sheng711_40 Start: 33476, Stop: 33703, Start Num: 14
Candidate Starts for Sheng711_40:
(Start: 14 @33476 has 107 MA's), (Start: 30 @33518 has 1 MA's), (37, 33572), (43, 33602), (47, 33626),

Gene: Silverleaf_39 Start: 33342, Stop: 33551, Start Num: 14
Candidate Starts for Silverleaf_39:
(9, 33285), (Start: 14 @33342 has 107 MA's), (43, 33462),

Gene: SirPhilip_47 Start: 36707, Stop: 36919, Start Num: 14
Candidate Starts for SirPhilip_47:
(3, 36575), (Start: 14 @36707 has 107 MA's), (Start: 34 @36776 has 1 MA's), (47, 36851),

Gene: Slarp_49 Start: 36414, Stop: 36599, Start Num: 18
Candidate Starts for Slarp_49:
(Start: 18 @36414 has 23 MA's), (Start: 32 @36432 has 1 MA's), (33, 36456), (47, 36534),

Gene: Smoothie_99 Start: 60011, Stop: 60211, Start Num: 19

Candidate Starts for Smoothie_99:
(Start: 19 @60011 has 17 MA's), (Start: 34 @60068 has 1 MA's), (35, 60074), (49, 60152), (52, 60167),

Gene: Snenia_40 Start: 34952, Stop: 35167, Start Num: 14
Candidate Starts for Snenia_40:
(Start: 14 @34952 has 107 MA's), (31, 34997), (Start: 32 @35000 has 1 MA's), (43, 35078),

Gene: SoJulia_43 Start: 35029, Stop: 35169, Start Num: 34
Candidate Starts for SoJulia_43:
(Start: 14 @34954 has 107 MA's), (Start: 30 @34996 has 1 MA's), (Start: 32 @35002 has 1 MA's), (Start: 34 @35029 has 1 MA's), (36, 35041), (47, 35104), (50, 35116),

Gene: Soap141_42 Start: 34803, Stop: 34943, Start Num: 34
Candidate Starts for Soap141_42:
(Start: 14 @34728 has 107 MA's), (Start: 30 @34770 has 1 MA's), (Start: 32 @34776 has 1 MA's), (Start: 34 @34803 has 1 MA's), (36, 34815), (47, 34878), (50, 34890),

Gene: SpeedDemon_940 Start: 64127, Stop: 63927, Start Num: 21
Candidate Starts for SpeedDemon_940:
(Start: 21 @64127 has 3 MA's), (28, 64112), (35, 64067), (45, 64016),

Gene: Sunflower1121_51 Start: 36589, Stop: 36801, Start Num: 14
Candidate Starts for Sunflower1121_51:
(Start: 14 @36589 has 107 MA's), (Start: 18 @36604 has 23 MA's), (47, 36733), (58, 36790),

Gene: Syra333_50 Start: 36256, Stop: 36468, Start Num: 14
Candidate Starts for Syra333_50:
(Start: 14 @36256 has 107 MA's), (Start: 18 @36271 has 23 MA's), (47, 36400), (58, 36457),

Gene: TBond007_47 Start: 35606, Stop: 35818, Start Num: 14
Candidate Starts for TBond007_47:
(Start: 14 @35606 has 107 MA's), (31, 35645), (43, 35726), (47, 35750),

Gene: Taquito_49 Start: 36661, Stop: 36846, Start Num: 18
Candidate Starts for Taquito_49:
(Start: 18 @36661 has 23 MA's), (Start: 32 @36679 has 1 MA's), (33, 36703), (47, 36781),

Gene: ThetaBob_54 Start: 36886, Stop: 37065, Start Num: 27
Candidate Starts for ThetaBob_54:
(Start: 27 @36886 has 4 MA's), (Start: 34 @36925 has 1 MA's), (35, 36931), (38, 36961), (41, 36976), (42, 36979), (51, 37027), (53, 37039), (54, 37048), (55, 37054),

Gene: Tierra_48 Start: 36138, Stop: 36350, Start Num: 14
Candidate Starts for Tierra_48:
(4, 36048), (Start: 14 @36138 has 107 MA's), (Start: 18 @36153 has 23 MA's), (33, 36204), (Start: 34 @36207 has 1 MA's), (47, 36282),

Gene: Tigress9_50 Start: 36343, Stop: 36555, Start Num: 14
Candidate Starts for Tigress9_50:
(Start: 14 @36343 has 107 MA's), (Start: 18 @36358 has 23 MA's), (33, 36409), (Start: 34 @36412 has 1 MA's), (47, 36487),

Gene: Toniann_100 Start: 59980, Stop: 60180, Start Num: 19

Candidate Starts for Toniann_100:
(Start: 19 @59980 has 17 MA's), (Start: 34 @60037 has 1 MA's), (35, 60043), (49, 60121), (52, 60136),

Gene: Toron_48 Start: 36637, Stop: 36816, Start Num: 27
Candidate Starts for Toron_48:
(Start: 27 @36637 has 4 MA's), (35, 36682), (38, 36712), (41, 36727), (42, 36730), (51, 36778), (53, 36790), (54, 36799),

Gene: Tourach_42 Start: 34709, Stop: 34924, Start Num: 14
Candidate Starts for Tourach_42:
(Start: 14 @34709 has 107 MA's), (Start: 30 @34751 has 1 MA's), (Start: 32 @34757 has 1 MA's), (33, 34781), (47, 34859), (50, 34871),

Gene: Towmatter_82 Start: 57951, Stop: 57769, Start Num: 26
Candidate Starts for Towmatter_82:
(Start: 26 @57951 has 4 MA's), (43, 57861), (48, 57834),

Gene: TriFive_40 Start: 34951, Stop: 35166, Start Num: 14
Candidate Starts for TriFive_40:
(Start: 14 @34951 has 107 MA's), (31, 34996), (Start: 32 @34999 has 1 MA's), (43, 35077),

Gene: TribleTrouble_45 Start: 35497, Stop: 35709, Start Num: 14
Candidate Starts for TribleTrouble_45:
(Start: 14 @35497 has 107 MA's), (Start: 18 @35512 has 23 MA's), (47, 35641),

Gene: Tyson_39 Start: 33343, Stop: 33552, Start Num: 14
Candidate Starts for Tyson_39:
(9, 33286), (Start: 14 @33343 has 107 MA's), (43, 33463),

Gene: UPIE_40 Start: 33326, Stop: 33535, Start Num: 14
Candidate Starts for UPIE_40:
(9, 33284), (Start: 14 @33326 has 107 MA's), (Start: 34 @33395 has 1 MA's), (43, 33446), (47, 33470), (50, 33482),

Gene: Underpass_42 Start: 34695, Stop: 34910, Start Num: 14
Candidate Starts for Underpass_42:
(Start: 14 @34695 has 107 MA's), (Start: 30 @34737 has 1 MA's), (Start: 32 @34743 has 1 MA's), (Start: 34 @34770 has 1 MA's), (36, 34782), (47, 34845), (50, 34857),

Gene: Unicorn_47 Start: 35370, Stop: 35582, Start Num: 14
Candidate Starts for Unicorn_47:
(4, 35280), (Start: 14 @35370 has 107 MA's), (Start: 18 @35385 has 23 MA's), (33, 35436), (Start: 34 @35439 has 1 MA's), (47, 35514),

Gene: Vetrix_42 Start: 34701, Stop: 34916, Start Num: 14
Candidate Starts for Vetrix_42:
(Start: 14 @34701 has 107 MA's), (Start: 30 @34743 has 1 MA's), (Start: 32 @34749 has 1 MA's), (Start: 34 @34776 has 1 MA's), (36, 34788), (47, 34851), (50, 34863),

Gene: Wamburgrxpress_40 Start: 33341, Stop: 33550, Start Num: 14
Candidate Starts for Wamburgrxpress_40:
(9, 33299), (Start: 14 @33341 has 107 MA's), (Start: 34 @33410 has 1 MA's), (43, 33461), (47, 33485), (50, 33497),

Gene: Whirlwind_41 Start: 34710, Stop: 34925, Start Num: 14
Candidate Starts for Whirlwind_41:
(Start: 14 @34710 has 107 MA's), (31, 34755), (Start: 32 @34758 has 1 MA's), (43, 34836),

Gene: Wigglewiggle_42 Start: 34727, Stop: 34942, Start Num: 14
Candidate Starts for Wigglewiggle_42:
(Start: 14 @34727 has 107 MA's), (Start: 30 @34769 has 1 MA's), (Start: 32 @34775 has 1 MA's), (Start: 34 @34802 has 1 MA's), (36, 34814), (47, 34877), (50, 34889),

Gene: Wilder_42 Start: 34700, Stop: 34915, Start Num: 14
Candidate Starts for Wilder_42:
(Start: 14 @34700 has 107 MA's), (Start: 30 @34742 has 1 MA's), (Start: 32 @34748 has 1 MA's), (Start: 34 @34775 has 1 MA's), (36, 34787), (47, 34850), (50, 34862),

Gene: WilliamBoone_100 Start: 58743, Stop: 58943, Start Num: 19
Candidate Starts for WilliamBoone_100:
(Start: 19 @58743 has 17 MA's), (44, 58854), (48, 58878),

Gene: Winky_42 Start: 34694, Stop: 34909, Start Num: 14
Candidate Starts for Winky_42:
(Start: 14 @34694 has 107 MA's), (Start: 30 @34736 has 1 MA's), (Start: 32 @34742 has 1 MA's), (Start: 34 @34769 has 1 MA's), (36, 34781), (47, 34844), (50, 34856),

Gene: Wintermute_49 Start: 36563, Stop: 36748, Start Num: 18
Candidate Starts for Wintermute_49:
(Start: 18 @36563 has 23 MA's), (Start: 32 @36581 has 1 MA's), (33, 36605), (47, 36683),

Gene: Wyatt2_40 Start: 33342, Stop: 33551, Start Num: 14
Candidate Starts for Wyatt2_40:
(9, 33285), (Start: 14 @33342 has 107 MA's), (43, 33462),

Gene: Ximenita_51 Start: 36442, Stop: 36654, Start Num: 14
Candidate Starts for Ximenita_51:
(Start: 14 @36442 has 107 MA's), (Start: 18 @36457 has 23 MA's), (47, 36586), (54, 36628), (58, 36643),

Gene: Y10_48 Start: 36482, Stop: 36667, Start Num: 18
Candidate Starts for Y10_48:
(Start: 18 @36482 has 23 MA's), (Start: 32 @36500 has 1 MA's), (33, 36524), (47, 36602),

Gene: Y2_48 Start: 36482, Stop: 36667, Start Num: 18
Candidate Starts for Y2_48:
(Start: 18 @36482 has 23 MA's), (Start: 32 @36500 has 1 MA's), (33, 36524), (47, 36602),

Gene: YasnayaPolyana_49 Start: 36413, Stop: 36598, Start Num: 18
Candidate Starts for YasnayaPolyana_49:
(Start: 18 @36413 has 23 MA's), (Start: 32 @36431 has 1 MA's), (33, 36455), (47, 36533),

Gene: Yoshi_61 Start: 38120, Stop: 38299, Start Num: 27
Candidate Starts for Yoshi_61:
(Start: 27 @38120 has 4 MA's), (Start: 34 @38159 has 1 MA's), (35, 38165), (38, 38195), (41, 38210), (42, 38213), (51, 38261), (54, 38282), (55, 38288),

Gene: Yuna_51 Start: 37201, Stop: 37413, Start Num: 14
Candidate Starts for Yuna_51:
(Start: 14 @37201 has 107 MA's), (47, 37345), (58, 37402),

Gene: Yvonnetastic_109 Start: 62358, Stop: 62561, Start Num: 22
Candidate Starts for Yvonnetastic_109:
(Start: 22 @62358 has 3 MA's), (43, 62460), (47, 62484), (50, 62499),

Gene: Zakai_42 Start: 34952, Stop: 35167, Start Num: 14
Candidate Starts for Zakai_42:
(Start: 14 @34952 has 107 MA's), (Start: 30 @34994 has 1 MA's), (Start: 32 @35000 has 1 MA's), (Start: 34 @35027 has 1 MA's), (36, 35039), (47, 35102), (50, 35114),

Gene: Zaria_40 Start: 33357, Stop: 33566, Start Num: 14
Candidate Starts for Zaria_40:
(9, 33300), (Start: 14 @33357 has 107 MA's), (43, 33477),

Gene: ZhongYanYuan_40 Start: 34630, Stop: 34770, Start Num: 34
Candidate Starts for ZhongYanYuan_40:
(Start: 14 @34555 has 107 MA's), (Start: 30 @34597 has 1 MA's), (Start: 32 @34603 has 1 MA's), (Start: 34 @34630 has 1 MA's), (50, 34717),