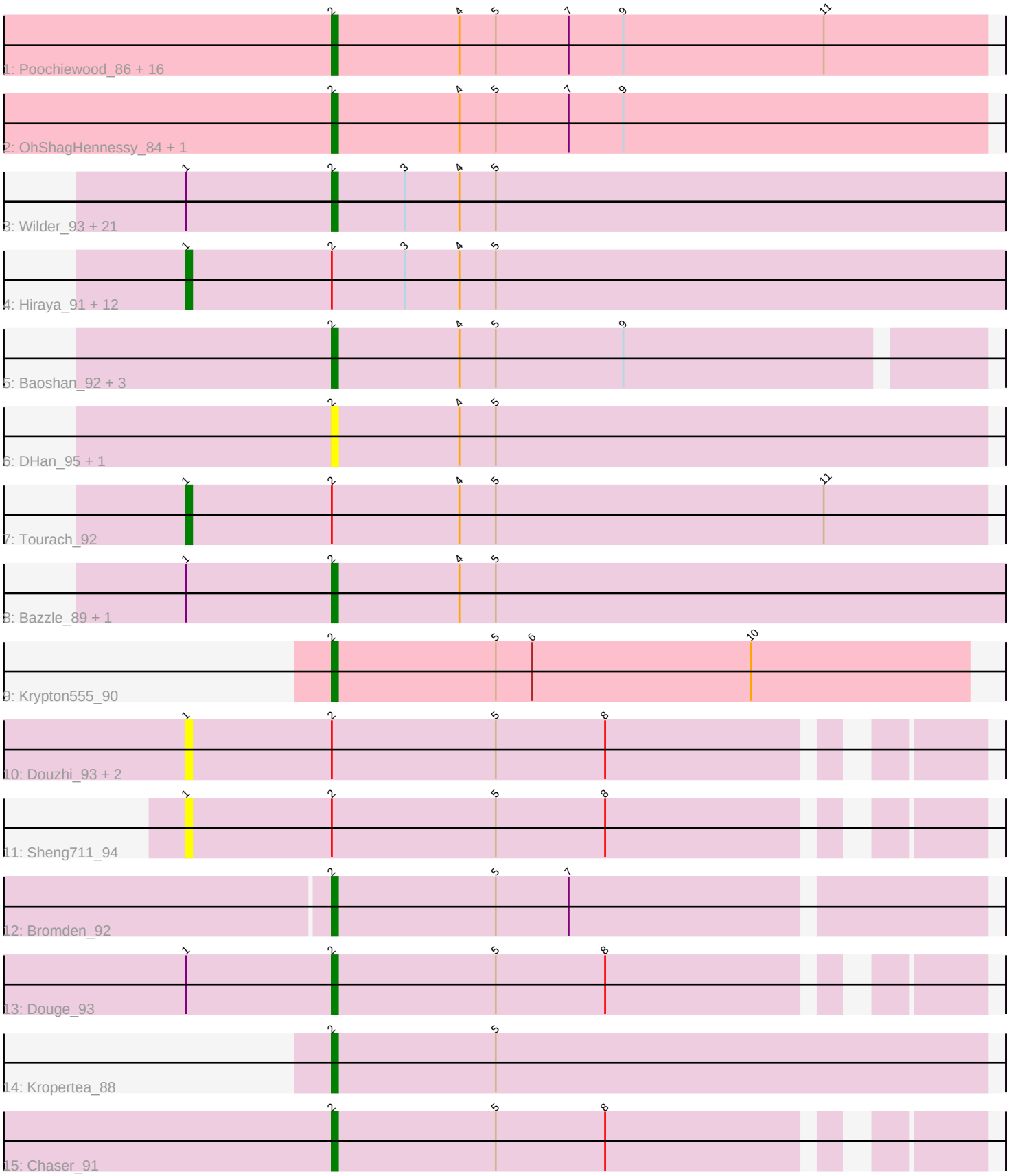
Pham 345695


1: Poochiewood_86 + 16
2: OhShagHennessy_84 + 1
3: Wilder_93 + 21
4: Hiraya_91 + 12
5: Baoshan_92 + 3
6: DHan_95 + 1
7: Tourach_92
8: Bazzle_89 + 1
9: Krypton555_90
10: Douzhi_93 + 2
11: Sheng711_94
12: Bromden_92
13: Douge_93
14: Kropertea_88
15: Chaser_91

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 345695 Report

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

Pham number 345695 has 72 members, 17 are drafts.

Phages represented in each track:
• Track 1 : Poochiewood_86, AvadaKedavra_88, CicholasNage_85, Acquire49_88, UPIE_87, Wamburgrxpress_87, Halena_85, Wyatt2_89, MAckerman_86, DirkDirk_85, JoeDirt_89, LeBron_87, Rose5_89, Zaria_88, Calm_89, Enceladus_85, Tyson_89
• Track 2 : OhShagHennessy_84, Appletree2_87
• Track 3 : Wilder_93, Netyap_91, Rumpelstiltskin_88, MkaliMitinis3_94, Gardann_92, Gabriela_92, DrSeegs_91, Breezona_92, Lewan_93, Underpass_84, Zakai_93, Loadrie_91, LilDestine_90, Nicholasp3_92, BigCheese_92, Winky_92, Finemlucis_93, Crossroads_92, Vetrix_90, Faith1_92, BobsGarage_91, OverPar_94
• Track 4 : Hiraya_91, Molivier_83, Kahlid_91, Rossetti_92, ChengKai98_91, GuuelaD_89, Wigglewiggle_92, Itos_92, Lynnae_93, SoJulia_94, Miley16_92, Sarshaun_93, Soap141_92
• Track 5 : Baoshan_92, Hafay_92, Claus_90, DanBing_91
• Track 6 : DHan_95, ZhongYanYuan_89
• Track 7 : Tourach_92
• Track 8 : Bazzle_89, Archie_89
• Track 9 : Krypton555_90
• Track 10 : Douzhi_93, PYPDinur_93, BrainDrainer_94
• Track 11 : Sheng711_94
• Track 12 : Bromden_92
• Track 13 : Douge_93
• Track 14 : Kropertea_88
• Track 15 : Chaser_91

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

The start number called the most often in the published annotations is 2, it was called in 49 of the 55 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Acquire49_88, Appletree2_87, Archie_89, AvadaKedavra_88, Baoshan_92, Bazzle_89, BigCheese_92, BobsGarage_91, Breezona_92, Bromden_92, Calm_89, Chaser_91, CicholasNage_85, Claus_90, Crossroads_92, DHan_95, DanBing_91, DirkDirk_85, Douge_93, DrSeegs_91, Enceladus_85, Faith1_92, Finemlucis_93,

Gabriela_92, Gardann_92, Hafay_92, Halena_85, JoeDirt_89, Kropertea_88, Krypton555_90, LeBron_87, Lewan_93, LilDestine_90, Loadrie_91, MAckerman_86, MkaliMitinis3_94, Netyap_91, Nicholasp3_92, OhShagHennessy_84, OverPar_94, Poochiewood_86, Rose5_89, Rumpelstiltskin_88, Tyson_89, UPIE_87, Underpass_84, Vetrix_90, Wamburgrxpress_87, Wilder_93, Winky_92, Wyatt2_89, Zakai_93, Zaria_88, ZhongYanYuan_89,

Genes that have the "Most Annotated" start but do not call it:
• BrainDrainer_94, ChengKai98_91, Douzhi_93, GuuelaD_89, Hiraya_91, Itos_92, Kahlid_91, Lynnae_93, Miley16_92, Molivier_83, PYPDinur_93, Rossetti_92, Sarshaun_93, Sheng711_94, SoJulia_94, Soap141_92, Tourach_92, Wigglewiggle_92,

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

Summary by start number:

Start 1:
• Found in 43 of 72 (59.7%) of genes in pham
• Manual Annotations of this start: 6 of 55
• Called 41.9% of time when present
• Phage (with cluster) where this start called: BrainDrainer_94 (L4), ChengKai98_91 (L2), Douzhi_93 (L4), GuuelaD_89 (L2), Hiraya_91 (L2), Itos_92 (L2), Kahlid_91 (L2), Lynnae_93 (L2), Miley16_92 (L2), Molivier_83 (L2), PYPDinur_93 (L4), Rossetti_92 (L2), Sarshaun_93 (L2), Sheng711_94 (L4), SoJulia_94 (L2), Soap141_92 (L2), Tourach_92 (L2), Wigglewiggle_92 (L2),

Start 2:
• Found in 72 of 72 (100.0%) of genes in pham
• Manual Annotations of this start: 49 of 55
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Acquire49_88 (L1), Appletree2_87 (L1), Archie_89 (L2), AvadaKedavra_88 (L1), Baoshan_92 (L2), Bazzle_89 (L2), BigCheese_92 (L2), BobsGarage_91 (L2), Breezona_92 (L2), Bromden_92 (L4), Calm_89 (L1), Chaser_91 (L4), CicholasNage_85 (L1), Claus_90 (L2), Crossroads_92 (L2), DHan_95 (L2), DanBing_91 (L2), DirkDirk_85 (L1), Douge_93 (L4), DrSeegs_91 (L2), Enceladus_85 (L1), Faith1_92 (L2), Finemlucis_93 (L2), Gabriela_92 (L2), Gardann_92 (L2), Hafay_92 (L2), Halena_85 (L1), JoeDirt_89 (L1), Kropertea_88 (L4), Krypton555_90 (L3), LeBron_87 (L1), Lewan_93 (L2), LilDestine_90 (L2), Loadrie_91 (L2), MAckerman_86 (L1), MkaliMitinis3_94 (L2), Netyap_91 (L2), Nicholasp3_92 (L2), OhShagHennessy_84 (L1), OverPar_94 (L2), Poochiewood_86 (L1), Rose5_89 (L1), Rumpelstiltskin_88 (L2), Tyson_89 (L1), UPIE_87 (L1), Underpass_84 (L2), Vetrix_90 (L2), Wamburgrxpress_87 (L1), Wilder_93 (L2), Winky_92 (L2), Wyatt2_89 (L1), Zakai_93 (L2), Zaria_88 (L1), ZhongYanYuan_89 (L2),

Summary by clusters:

There are 4 clusters represented in this pham: L4, L2, L3, L1,

Info for manual annotations of cluster L1:
•Start number 2 was manually annotated 18 times for cluster L1.

Info for manual annotations of cluster L2:
•Start number 1 was manually annotated 6 times for cluster L2.
•Start number 2 was manually annotated 26 times for cluster L2.

Info for manual annotations of cluster L3:
•Start number 2 was manually annotated 1 time for cluster L3.

Info for manual annotations of cluster L4:
•Start number 2 was manually annotated 4 times for cluster L4.

Gene Information:

Gene: Acquire49_88 Start: 56636, Stop: 56743, Start Num: 2
Candidate Starts for Acquire49_88:
(Start: 2 @56636 has 49 MA's), (4, 56657), (5, 56663), (7, 56675), (9, 56684), (11, 56717),

Gene: Appletree2_87 Start: 56360, Stop: 56467, Start Num: 2
Candidate Starts for Appletree2_87:
(Start: 2 @56360 has 49 MA's), (4, 56381), (5, 56387), (7, 56399), (9, 56408),

Gene: Archie_89 Start: 58324, Stop: 58434, Start Num: 2
Candidate Starts for Archie_89:
(Start: 1 @58300 has 6 MA's), (Start: 2 @58324 has 49 MA's), (4, 58345), (5, 58351),

Gene: AvadaKedavra_88 Start: 56712, Stop: 56819, Start Num: 2
Candidate Starts for AvadaKedavra_88:
(Start: 2 @56712 has 49 MA's), (4, 56733), (5, 56739), (7, 56751), (9, 56760), (11, 56793),

Gene: Baoshan_92 Start: 58996, Stop: 59100, Start Num: 2
Candidate Starts for Baoshan_92:
(Start: 2 @58996 has 49 MA's), (4, 59017), (5, 59023), (9, 59044),

Gene: Bazzle_89 Start: 58880, Stop: 58990, Start Num: 2
Candidate Starts for Bazzle_89:
(Start: 1 @58856 has 6 MA's), (Start: 2 @58880 has 49 MA's), (4, 58901), (5, 58907),

Gene: BigCheese_92 Start: 59090, Stop: 59200, Start Num: 2
Candidate Starts for BigCheese_92:
(Start: 1 @59066 has 6 MA's), (Start: 2 @59090 has 49 MA's), (3, 59102), (4, 59111), (5, 59117),

Gene: BobsGarage_91 Start: 59090, Stop: 59200, Start Num: 2
Candidate Starts for BobsGarage_91:
(Start: 1 @59066 has 6 MA's), (Start: 2 @59090 has 49 MA's), (3, 59102), (4, 59111), (5, 59117),

Gene: BrainDrainer_94 Start: 58704, Stop: 58826, Start Num: 1
Candidate Starts for BrainDrainer_94:
(Start: 1 @58704 has 6 MA's), (Start: 2 @58728 has 49 MA's), (5, 58755), (8, 58773),

Gene: Breezona_92 Start: 59090, Stop: 59200, Start Num: 2
Candidate Starts for Breezona_92:

(Start: 1 @59066 has 6 MA's), (Start: 2 @59090 has 49 MA's), (3, 59102), (4, 59111), (5, 59117),

Gene: Bromden_92 Start: 59460, Stop: 59564, Start Num: 2
Candidate Starts for Bromden_92:
(Start: 2 @59460 has 49 MA's), (5, 59487), (7, 59499),

Gene: Calm_89 Start: 56611, Stop: 56718, Start Num: 2
Candidate Starts for Calm_89:
(Start: 2 @56611 has 49 MA's), (4, 56632), (5, 56638), (7, 56650), (9, 56659), (11, 56692),

Gene: Chaser_91 Start: 57874, Stop: 57972, Start Num: 2
Candidate Starts for Chaser_91:
(Start: 2 @57874 has 49 MA's), (5, 57901), (8, 57919),

Gene: ChengKai98_91 Start: 58540, Stop: 58674, Start Num: 1
Candidate Starts for ChengKai98_91:
(Start: 1 @58540 has 6 MA's), (Start: 2 @58564 has 49 MA's), (3, 58576), (4, 58585), (5, 58591),

Gene: CicholasNage_85 Start: 56300, Stop: 56407, Start Num: 2
Candidate Starts for CicholasNage_85:
(Start: 2 @56300 has 49 MA's), (4, 56321), (5, 56327), (7, 56339), (9, 56348), (11, 56381),

Gene: Claus_90 Start: 58647, Stop: 58751, Start Num: 2
Candidate Starts for Claus_90:
(Start: 2 @58647 has 49 MA's), (4, 58668), (5, 58674), (9, 58695),

Gene: Crossroads_92 Start: 58802, Stop: 58912, Start Num: 2
Candidate Starts for Crossroads_92:
(Start: 1 @58778 has 6 MA's), (Start: 2 @58802 has 49 MA's), (3, 58814), (4, 58823), (5, 58829),

Gene: DHan_95 Start: 59026, Stop: 59133, Start Num: 2
Candidate Starts for DHan_95:
(Start: 2 @59026 has 49 MA's), (4, 59047), (5, 59053),

Gene: DanBing_91 Start: 58722, Stop: 58826, Start Num: 2
Candidate Starts for DanBing_91:
(Start: 2 @58722 has 49 MA's), (4, 58743), (5, 58749), (9, 58770),

Gene: DirkDirk_85 Start: 55940, Stop: 56047, Start Num: 2
Candidate Starts for DirkDirk_85:
(Start: 2 @55940 has 49 MA's), (4, 55961), (5, 55967), (7, 55979), (9, 55988), (11, 56021),

Gene: Douge_93 Start: 58145, Stop: 58243, Start Num: 2
Candidate Starts for Douge_93:
(Start: 1 @58121 has 6 MA's), (Start: 2 @58145 has 49 MA's), (5, 58172), (8, 58190),

Gene: Douzhi_93 Start: 58393, Stop: 58515, Start Num: 1
Candidate Starts for Douzhi_93:
(Start: 1 @58393 has 6 MA's), (Start: 2 @58417 has 49 MA's), (5, 58444), (8, 58462),

Gene: DrSeegs_91 Start: 59090, Stop: 59200, Start Num: 2
Candidate Starts for DrSeegs_91:
(Start: 1 @59066 has 6 MA's), (Start: 2 @59090 has 49 MA's), (3, 59102), (4, 59111), (5, 59117),

Gene: Enceladus_85 Start: 56641, Stop: 56748, Start Num: 2
Candidate Starts for Enceladus_85:
(Start: 2 @56641 has 49 MA's), (4, 56662), (5, 56668), (7, 56680), (9, 56689), (11, 56722),

Gene: Faith1_92 Start: 58727, Stop: 58837, Start Num: 2
Candidate Starts for Faith1_92:
(Start: 1 @58703 has 6 MA's), (Start: 2 @58727 has 49 MA's), (3, 58739), (4, 58748), (5, 58754),

Gene: Finemlucis_93 Start: 59858, Stop: 59962, Start Num: 2
Candidate Starts for Finemlucis_93:
(Start: 1 @59834 has 6 MA's), (Start: 2 @59858 has 49 MA's), (3, 59870), (4, 59879), (5, 59885),

Gene: Gabriela_92 Start: 58073, Stop: 58183, Start Num: 2
Candidate Starts for Gabriela_92:
(Start: 1 @58049 has 6 MA's), (Start: 2 @58073 has 49 MA's), (3, 58085), (4, 58094), (5, 58100),

Gene: Gardann_92 Start: 58574, Stop: 58684, Start Num: 2
Candidate Starts for Gardann_92:
(Start: 1 @58550 has 6 MA's), (Start: 2 @58574 has 49 MA's), (3, 58586), (4, 58595), (5, 58601),

Gene: GuuelaD_89 Start: 58662, Stop: 58796, Start Num: 1
Candidate Starts for GuuelaD_89:
(Start: 1 @58662 has 6 MA's), (Start: 2 @58686 has 49 MA's), (3, 58698), (4, 58707), (5, 58713),

Gene: Hafay_92 Start: 58642, Stop: 58746, Start Num: 2
Candidate Starts for Hafay_92:
(Start: 2 @58642 has 49 MA's), (4, 58663), (5, 58669), (9, 58690),

Gene: Halena_85 Start: 55527, Stop: 55634, Start Num: 2
Candidate Starts for Halena_85:
(Start: 2 @55527 has 49 MA's), (4, 55548), (5, 55554), (7, 55566), (9, 55575), (11, 55608),

Gene: Hiraya_91 Start: 58628, Stop: 58762, Start Num: 1
Candidate Starts for Hiraya_91:
(Start: 1 @58628 has 6 MA's), (Start: 2 @58652 has 49 MA's), (3, 58664), (4, 58673), (5, 58679),

Gene: Itos_92 Start: 57609, Stop: 57743, Start Num: 1
Candidate Starts for Itos_92:
(Start: 1 @57609 has 6 MA's), (Start: 2 @57633 has 49 MA's), (3, 57645), (4, 57654), (5, 57660),

Gene: JoeDirt_89 Start: 57202, Stop: 57309, Start Num: 2
Candidate Starts for JoeDirt_89:
(Start: 2 @57202 has 49 MA's), (4, 57223), (5, 57229), (7, 57241), (9, 57250), (11, 57283),

Gene: Kahlid_91 Start: 58468, Stop: 58602, Start Num: 1
Candidate Starts for Kahlid_91:
(Start: 1 @58468 has 6 MA's), (Start: 2 @58492 has 49 MA's), (3, 58504), (4, 58513), (5, 58519),

Gene: Kropertea_88 Start: 57855, Stop: 57962, Start Num: 2
Candidate Starts for Kropertea_88:
(Start: 2 @57855 has 49 MA's), (5, 57882),

Gene: Krypton555_90 Start: 58899, Stop: 59003, Start Num: 2
Candidate Starts for Krypton555_90:
(Start: 2 @58899 has 49 MA's), (5, 58926), (6, 58932), (10, 58968),

Gene: LeBron_87 Start: 55870, Stop: 55977, Start Num: 2
Candidate Starts for LeBron_87:
(Start: 2 @55870 has 49 MA's), (4, 55891), (5, 55897), (7, 55909), (9, 55918), (11, 55951),

Gene: Lewan_93 Start: 58726, Stop: 58836, Start Num: 2
Candidate Starts for Lewan_93:
(Start: 1 @58702 has 6 MA's), (Start: 2 @58726 has 49 MA's), (3, 58738), (4, 58747), (5, 58753),

Gene: LilDestine_90 Start: 58403, Stop: 58513, Start Num: 2
Candidate Starts for LilDestine_90:
(Start: 1 @58379 has 6 MA's), (Start: 2 @58403 has 49 MA's), (3, 58415), (4, 58424), (5, 58430),

Gene: Loadrie_91 Start: 58894, Stop: 59004, Start Num: 2
Candidate Starts for Loadrie_91:
(Start: 1 @58870 has 6 MA's), (Start: 2 @58894 has 49 MA's), (3, 58906), (4, 58915), (5, 58921),

Gene: Lynnae_93 Start: 58480, Stop: 58614, Start Num: 1
Candidate Starts for Lynnae_93:
(Start: 1 @58480 has 6 MA's), (Start: 2 @58504 has 49 MA's), (3, 58516), (4, 58525), (5, 58531),

Gene: MAckerman_86 Start: 55520, Stop: 55627, Start Num: 2
Candidate Starts for MAckerman_86:
(Start: 2 @55520 has 49 MA's), (4, 55541), (5, 55547), (7, 55559), (9, 55568), (11, 55601),

Gene: Miley16_92 Start: 59066, Stop: 59200, Start Num: 1
Candidate Starts for Miley16_92:
(Start: 1 @59066 has 6 MA's), (Start: 2 @59090 has 49 MA's), (3, 59102), (4, 59111), (5, 59117),

Gene: MkaliMitinis3_94 Start: 58857, Stop: 58967, Start Num: 2
Candidate Starts for MkaliMitinis3_94:
(Start: 1 @58833 has 6 MA's), (Start: 2 @58857 has 49 MA's), (3, 58869), (4, 58878), (5, 58884),

Gene: Molivier_83 Start: 53630, Stop: 53764, Start Num: 1
Candidate Starts for Molivier_83:
(Start: 1 @53630 has 6 MA's), (Start: 2 @53654 has 49 MA's), (3, 53666), (4, 53675), (5, 53681),

Gene: Netyap_91 Start: 58728, Stop: 58838, Start Num: 2
Candidate Starts for Netyap_91:
(Start: 1 @58704 has 6 MA's), (Start: 2 @58728 has 49 MA's), (3, 58740), (4, 58749), (5, 58755),

Gene: Nicholasp3_92 Start: 58574, Stop: 58684, Start Num: 2
Candidate Starts for Nicholasp3_92:
(Start: 1 @58550 has 6 MA's), (Start: 2 @58574 has 49 MA's), (3, 58586), (4, 58595), (5, 58601),

Gene: OhShagHennessy_84 Start: 55777, Stop: 55884, Start Num: 2
Candidate Starts for OhShagHennessy_84:
(Start: 2 @55777 has 49 MA's), (4, 55798), (5, 55804), (7, 55816), (9, 55825),

Gene: OverPar_94 Start: 58894, Stop: 59004, Start Num: 2

Candidate Starts for OverPar_94:
(Start: 1 @58870 has 6 MA's), (Start: 2 @58894 has 49 MA's), (3, 58906), (4, 58915), (5, 58921),

Gene: PYPDinur_93 Start: 58956, Stop: 59078, Start Num: 1
Candidate Starts for PYPDinur_93:
(Start: 1 @58956 has 6 MA's), (Start: 2 @58980 has 49 MA's), (5, 59007), (8, 59025),

Gene: Poochiewood_86 Start: 57210, Stop: 57317, Start Num: 2
Candidate Starts for Poochiewood_86:
(Start: 2 @57210 has 49 MA's), (4, 57231), (5, 57237), (7, 57249), (9, 57258), (11, 57291),

Gene: Rose5_89 Start: 57044, Stop: 57151, Start Num: 2
Candidate Starts for Rose5_89:
(Start: 2 @57044 has 49 MA's), (4, 57065), (5, 57071), (7, 57083), (9, 57092), (11, 57125),

Gene: Rossetti_92 Start: 58869, Stop: 59003, Start Num: 1
Candidate Starts for Rossetti_92:
(Start: 1 @58869 has 6 MA's), (Start: 2 @58893 has 49 MA's), (3, 58905), (4, 58914), (5, 58920),

Gene: Rumpelstiltskin_88 Start: 58367, Stop: 58477, Start Num: 2
Candidate Starts for Rumpelstiltskin_88:
(Start: 1 @58343 has 6 MA's), (Start: 2 @58367 has 49 MA's), (3, 58379), (4, 58388), (5, 58394),

Gene: Sarshaun_93 Start: 59461, Stop: 59595, Start Num: 1
Candidate Starts for Sarshaun_93:
(Start: 1 @59461 has 6 MA's), (Start: 2 @59485 has 49 MA's), (3, 59497), (4, 59506), (5, 59512),

Gene: Sheng711_94 Start: 58432, Stop: 58554, Start Num: 1
Candidate Starts for Sheng711_94:
(Start: 1 @58432 has 6 MA's), (Start: 2 @58456 has 49 MA's), (5, 58483), (8, 58501),

Gene: SoJulia_94 Start: 60226, Stop: 60360, Start Num: 1
Candidate Starts for SoJulia_94:
(Start: 1 @60226 has 6 MA's), (Start: 2 @60250 has 49 MA's), (3, 60262), (4, 60271), (5, 60277),

Gene: Soap141_92 Start: 59461, Stop: 59595, Start Num: 1
Candidate Starts for Soap141_92:
(Start: 1 @59461 has 6 MA's), (Start: 2 @59485 has 49 MA's), (3, 59497), (4, 59506), (5, 59512),

Gene: Tourach_92 Start: 59457, Stop: 59588, Start Num: 1
Candidate Starts for Tourach_92:
(Start: 1 @59457 has 6 MA's), (Start: 2 @59481 has 49 MA's), (4, 59502), (5, 59508), (11, 59562),

Gene: Tyson_89 Start: 56973, Stop: 57080, Start Num: 2
Candidate Starts for Tyson_89:
(Start: 2 @56973 has 49 MA's), (4, 56994), (5, 57000), (7, 57012), (9, 57021), (11, 57054),

Gene: UPIE_87 Start: 56569, Stop: 56676, Start Num: 2
Candidate Starts for UPIE_87:
(Start: 2 @56569 has 49 MA's), (4, 56590), (5, 56596), (7, 56608), (9, 56617), (11, 56650),

Gene: Underpass_84 Start: 53610, Stop: 53720, Start Num: 2
Candidate Starts for Underpass_84:

(Start: 1 @53586 has 6 MA's), (Start: 2 @53610 has 49 MA's), (3, 53622), (4, 53631), (5, 53637),

Gene: Vetrix_90 Start: 58348, Stop: 58458, Start Num: 2
Candidate Starts for Vetrix_90:
(Start: 1 @58324 has 6 MA's), (Start: 2 @58348 has 49 MA's), (3, 58360), (4, 58369), (5, 58375),

Gene: Wamburgrxpress_87 Start: 56661, Stop: 56768, Start Num: 2
Candidate Starts for Wamburgrxpress_87:
(Start: 2 @56661 has 49 MA's), (4, 56682), (5, 56688), (7, 56700), (9, 56709), (11, 56742),

Gene: Wigglewiggle_92 Start: 58626, Stop: 58760, Start Num: 1
Candidate Starts for Wigglewiggle_92:
(Start: 1 @58626 has 6 MA's), (Start: 2 @58650 has 49 MA's), (3, 58662), (4, 58671), (5, 58677),

Gene: Wilder_93 Start: 58492, Stop: 58602, Start Num: 2
Candidate Starts for Wilder_93:
(Start: 1 @58468 has 6 MA's), (Start: 2 @58492 has 49 MA's), (3, 58504), (4, 58513), (5, 58519),

Gene: Winky_92 Start: 59090, Stop: 59200, Start Num: 2
Candidate Starts for Winky_92:
(Start: 1 @59066 has 6 MA's), (Start: 2 @59090 has 49 MA's), (3, 59102), (4, 59111), (5, 59117),

Gene: Wyatt2_89 Start: 56968, Stop: 57075, Start Num: 2
Candidate Starts for Wyatt2_89:
(Start: 2 @56968 has 49 MA's), (4, 56989), (5, 56995), (7, 57007), (9, 57016), (11, 57049),

Gene: Zakai_93 Start: 59135, Stop: 59245, Start Num: 2
Candidate Starts for Zakai_93:
(Start: 1 @59111 has 6 MA's), (Start: 2 @59135 has 49 MA's), (3, 59147), (4, 59156), (5, 59162),

Gene: Zaria_88 Start: 56076, Stop: 56183, Start Num: 2
Candidate Starts for Zaria_88:
(Start: 2 @56076 has 49 MA's), (4, 56097), (5, 56103), (7, 56115), (9, 56124), (11, 56157),

Gene: ZhongYanYuan_89 Start: 58546, Stop: 58653, Start Num: 2
Candidate Starts for ZhongYanYuan_89:
(Start: 2 @58546 has 49 MA's), (4, 58567), (5, 58573),