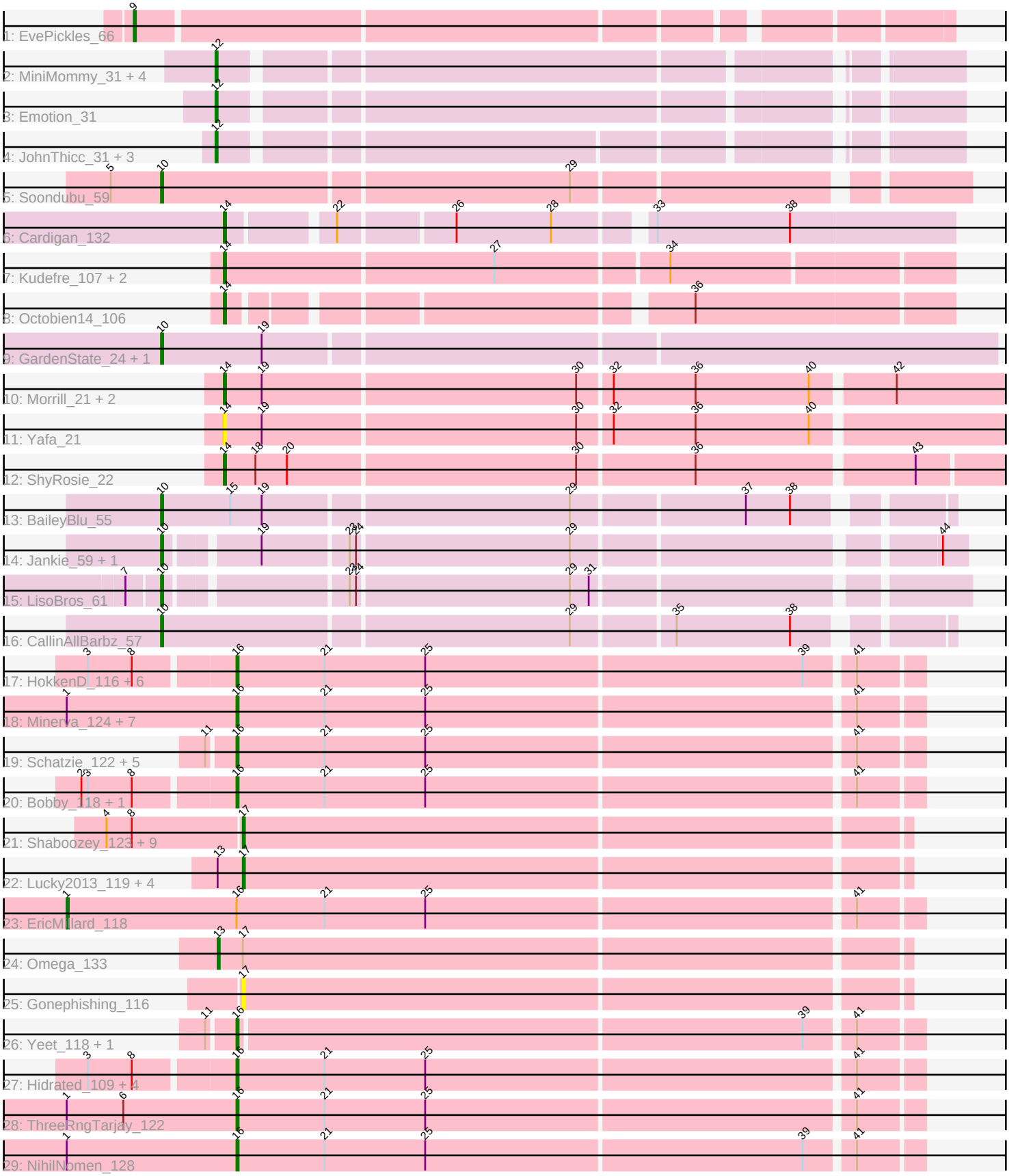
Pham 347534


1: EvePickles_66
2: MiniMommy_31 + 4
3: Emotion_31
4: JohnThicc_31 + 3
5: Soondubu_59
6: Cardigan_132
7: Kudefre_107 + 2
8: Octobien14_106
9: GardenState_24 + 1
10: Morrill_21 + 2
11: Yafa_21
12: ShyRosie_22
13: BaileyBlu_55
14: Jankie_59 + 1
15: LisoBros_61
16: CallinAllBarbz_57
17: HokkenD_116 + 6
18: Minerva_124 + 7
19: Schatzie_122 + 5
20: Bobby_118 + 1
21: Shaboozey_123 + 9
22: Lucky2013_119 + 4
23: EricMillard_118
24: Omega_133
25: Gonephishing_116
26: Yeet_118 + 1
27: Hidrated_109 + 4
28: ThreeRngTarjay_122
29: NihilNomen_128

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 347534 Report

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

Pham number 347534 has 79 members, 13 are drafts.

Phages represented in each track:
• Track 1 : EvePickles_66
• Track 2 : MiniMommy_31, AceofSpades_31, ShakeItOph_31, VroomVroom_31, JasmineDragon_31
• Track 3 : Emotion_31
• Track 4 : JohnThicc_31, FiveHead_34, LadyAstra_31, Origami_31
• Track 5 : Soondubu_59
• Track 6 : Cardigan_132
• Track 7 : Kudefre_107, Syleon_108, Sephiroth_104
• Track 8 : Octobien14_106
• Track 9 : GardenState_24, IAmGroot_24
• Track 10 : Morrill_21, Atraxi_21, ThirteenKH_21
• Track 11 : Yafa_21
• Track 12 : ShyRosie_22
• Track 13 : BaileyBlu_55
• Track 14 : Jankie_59, GrimEater_58
• Track 15 : LisoBros_61
• Track 16 : CallinAllBarbz_57
• Track 17 : HokkenD_116, Beem_128, Thibault_108, Xiaokay_120, JuicyJay_123, Redno2_118, Phoebus_127
• Track 18 : Minerva_124, Optimus_117, Hughesyang_126, BAKA_126, Zelink_121, Duke13_121, Wanda_125, Constella_116
• Track 19 : Schatzie_122, Pound_115, Kalah2_117, DmpstrDiver_126, Bagrid_126, Klein_122
• Track 20 : Bobby_118, Marleymoo_111
• Track 21 : Shaboozey_123, Courthouse_117, Nibley_119, Superphikiman_119, BronnyJames_119, Ariel_122, LittleE_126, Squint_120, Rearden_120, MiaZeal_122
• Track 22 : Lucky2013_119, Hannaconda_113, Porcelain_122, KashFlow_119, Nekros_125
• Track 23 : EricMillard_118
• Track 24 : Omega_133
• Track 25 : Gonephishing_116
• Track 26 : Yeet_118, Bombitas_114
• Track 27 : Hidrated_109, Ejimix_120, Halley_128, Dove_112, Dallas_127
• Track 28 : ThreeRngTarjay_122
• Track 29 : NihilNomen_128

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

The start number called the most often in the published annotations is 16, it was called in 29 of the 66 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BAKA_126, Bagrid_126, Beem_128, Bobby_118, Bombitas_114, Constella_116, Dallas_127, DmpstrDiver_126, Dove_112, Duke13_121, Ejimix_120, Halley_128, Hidrated_109, HokkenD_116, Hughesyang_126, JuicyJay_123, Kalah2_117, Klein_122, Marleymoo_111, Minerva_124, NihilNomen_128, Optimus_117, Phoebus_127, Pound_115, Redno2_118, Schatzie_122, Thibault_108, ThreeRngTarjay_122, Wanda_125, Xiaokay_120, Yeet_118, Zelink_121,

Genes that have the "Most Annotated" start but do not call it:
• EricMillard_118,

Genes that do not have the "Most Annotated" start:
• AceofSpades_31, Ariel_122, Atraxi_21, BaileyBlu_55, BronnyJames_119, CallinAllBarbz_57, Cardigan_132, Courthouse_117, Emotion_31, EvePickles_66, FiveHead_34, GardenState_24, Gonephishing_116, GrimEater_58, Hannaconda_113, IAmGroot_24, Jankie_59, JasmineDragon_31, JohnThicc_31, KashFlow_119, Kudefre_107, LadyAstra_31, LisoBros_61, LittleE_126, Lucky2013_119, MiaZeal_122, MiniMommy_31, Morrill_21, Nekros_125, Nibley_119, Octobien14_106, Omega_133, Origami_31, Porcelain_122, Rearden_120, Sephiroth_104, Shaboozey_123, ShakeItOph_31, ShyRosie_22, Soondubu_59, Squint_120, Superphikiman_119, Syleon_108, ThirteenKH_21, VroomVroom_31, Yafa_21,

Summary by start number:

Start 1:
• Found in 11 of 79 (13.9%) of genes in pham
• Manual Annotations of this start: 1 of 66
• Called 9.1% of time when present
• Phage (with cluster) where this start called: EricMillard_118 (J),

Start 9:
• Found in 1 of 79 (1.3%) of genes in pham
• Manual Annotations of this start: 1 of 66
• Called 100.0% of time when present
• Phage (with cluster) where this start called: EvePickles_66 (AY),

Start 10:
• Found in 8 of 79 (10.1%) of genes in pham
• Manual Annotations of this start: 8 of 66
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BaileyBlu_55 (FP), CallinAllBarbz_57 (FP), GardenState_24 (EH), GrimEater_58 (FP), IAmGroot_24 (EH), Jankie_59 (FP), LisoBros_61 (FP), Soondubu_59 (AZ6),

Start 12:
• Found in 10 of 79 (12.7%) of genes in pham

• Manual Annotations of this start: 8 of 66
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AceofSpades_31 (AZ4), Emotion_31 (AZ4), FiveHead_34 (AZ4), JasmineDragon_31 (AZ4), JohnThicc_31 (AZ4), LadyAstra_31 (AZ4), MiniMommy_31 (AZ4), Origami_31 (AZ4), ShakeItOph_31 (AZ4), VroomVroom_31 (AZ4),

Start 13:
• Found in 6 of 79 (7.6%) of genes in pham
• Manual Annotations of this start: 1 of 66
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Omega_133 (J),

Start 14:
• Found in 10 of 79 (12.7%) of genes in pham
• Manual Annotations of this start: 8 of 66
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Atraxi_21 (EK2), Cardigan_132 (DD), Kudefre_107 (DU1), Morrill_21 (EK2), Octobien14_106 (DU1), Sephiroth_104 (DU1), ShyRosie_22 (EK2), Syleon_108 (DU1), ThirteenKH_21 (EK2), Yafa_21 (EK2),

Start 16:
• Found in 33 of 79 (41.8%) of genes in pham
• Manual Annotations of this start: 29 of 66
• Called 97.0% of time when present
• Phage (with cluster) where this start called: BAKA_126 (J), Bagrid_126 (J), Beem_128 (J), Bobby_118 (J), Bombitas_114 (J), Constella_116 (J), Dallas_127 (J), DmpstrDiver_126 (J), Dove_112 (J), Duke13_121 (J), Ejimix_120 (J), Halley_128 (J), Hidrated_109 (J), HokkenD_116 (J), Hughesyang_126 (J), JuicyJay_123 (J), Kalah2_117 (J), Klein_122 (J), Marleymoo_111 (J), Minerva_124 (J), NihilNomen_128 (J), Optimus_117 (J), Phoebus_127 (J), Pound_115 (J), Redno2_118 (J), Schatzie_122 (J), Thibault_108 (J), ThreeRngTarjay_122 (J), Wanda_125 (J), Xiaokay_120 (J), Yeet_118 (J), Zelink_121 (J),

Start 17:
• Found in 17 of 79 (21.5%) of genes in pham
• Manual Annotations of this start: 10 of 66
• Called 94.1% of time when present
• Phage (with cluster) where this start called: Ariel_122 (J), BronnyJames_119 (J), Courthouse_117 (J), Gonephishing_116 (J), Hannaconda_113 (J), KashFlow_119 (J), LittleE_126 (J), Lucky2013_119 (J), MiaZeal_122 (J), Nekros_125 (J), Nibley_119 (J), Porcelain_122 (J), Rearden_120 (J), Shaboozey_123 (J), Squint_120 (J), Superphikiman_119 (J),

Summary by clusters:

There are 9 clusters represented in this pham: FP, EH, DD, J, AY, DU1, AZ4, EK2, AZ6,

Info for manual annotations of cluster AY:
•Start number 9 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster AZ4:

•Start number 12 was manually annotated 8 times for cluster AZ4.

Info for manual annotations of cluster AZ6:
•Start number 10 was manually annotated 1 time for cluster AZ6.

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

Info for manual annotations of cluster DU1:
•Start number 14 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster EH:
•Start number 10 was manually annotated 2 times for cluster EH.

Info for manual annotations of cluster EK2:
•Start number 14 was manually annotated 3 times for cluster EK2.

Info for manual annotations of cluster FP:
•Start number 10 was manually annotated 5 times for cluster FP.

Info for manual annotations of cluster J:
•Start number 1 was manually annotated 1 time for cluster J.
•Start number 13 was manually annotated 1 time for cluster J.
•Start number 16 was manually annotated 29 times for cluster J.
•Start number 17 was manually annotated 10 times for cluster J.

Gene Information:

Gene: AceofSpades_31 Start: 23085, Stop: 23402, Start Num: 12
Candidate Starts for AceofSpades_31:
(Start: 12 @23085 has 8 MA's),

Gene: Ariel_122 Start: 65393, Stop: 65701, Start Num: 17
Candidate Starts for Ariel_122:
(4, 65330), (8, 65342), (Start: 17 @65393 has 10 MA's),

Gene: Atraxi_21 Start: 13858, Stop: 13481, Start Num: 14
Candidate Starts for Atraxi_21:
(Start: 14 @13858 has 8 MA's), (19, 13840), (30, 13693), (32, 13678), (36, 13639), (40, 13585), (42, 13549),

Gene: BAKA_126 Start: 68936, Stop: 69253, Start Num: 16
Candidate Starts for BAKA_126:
(Start: 1 @68855 has 1 MA's), (Start: 16 @68936 has 29 MA's), (21, 68978), (25, 69026), (41, 69224),

Gene: Bagrid_126 Start: 69047, Stop: 69364, Start Num: 16
Candidate Starts for Bagrid_126:
(11, 69035), (Start: 16 @69047 has 29 MA's), (21, 69089), (25, 69137), (41, 69335),

Gene: BaileyBlu_55 Start: 38198, Stop: 38548, Start Num: 10
Candidate Starts for BaileyBlu_55:

(Start: 10 @38198 has 8 MA's), (15, 38231), (19, 38246), (29, 38387), (37, 38465), (38, 38486),

Gene: Beem_128 Start: 70519, Stop: 70836, Start Num: 16
Candidate Starts for Beem_128:
(3, 70453), (8, 70474), (Start: 16 @70519 has 29 MA's), (21, 70561), (25, 70609), (39, 70786), (41, 70807),

Gene: Bobby_118 Start: 70119, Stop: 70436, Start Num: 16
Candidate Starts for Bobby_118:
(2, 70050), (3, 70053), (8, 70074), (Start: 16 @70119 has 29 MA's), (21, 70161), (25, 70209), (41, 70407),

Gene: Bombitas_114 Start: 67933, Stop: 68247, Start Num: 16
Candidate Starts for Bombitas_114:
(11, 67921), (Start: 16 @67933 has 29 MA's), (39, 68197), (41, 68218),

Gene: BronnyJames_119 Start: 66373, Stop: 66681, Start Num: 17
Candidate Starts for BronnyJames_119:
(4, 66310), (8, 66322), (Start: 17 @66373 has 10 MA's),

Gene: CallinAllBarbz_57 Start: 39185, Stop: 39535, Start Num: 10
Candidate Starts for CallinAllBarbz_57:
(Start: 10 @39185 has 8 MA's), (29, 39374), (35, 39419), (38, 39473),

Gene: Cardigan_132 Start: 76520, Stop: 76840, Start Num: 14
Candidate Starts for Cardigan_132:
(Start: 14 @76520 has 8 MA's), (22, 76565), (26, 76616), (28, 76661), (33, 76700), (38, 76763),

Gene: Constella_116 Start: 66023, Stop: 66340, Start Num: 16
Candidate Starts for Constella_116:
(Start: 1 @65942 has 1 MA's), (Start: 16 @66023 has 29 MA's), (21, 66065), (25, 66113), (41, 66311),

Gene: Courthouse_117 Start: 64993, Stop: 65301, Start Num: 17
Candidate Starts for Courthouse_117:
(4, 64930), (8, 64942), (Start: 17 @64993 has 10 MA's),

Gene: Dallas_127 Start: 70034, Stop: 70351, Start Num: 16
Candidate Starts for Dallas_127:
(3, 69968), (8, 69989), (Start: 16 @70034 has 29 MA's), (21, 70076), (25, 70124), (41, 70322),

Gene: DmpstrDiver_126 Start: 69336, Stop: 69653, Start Num: 16
Candidate Starts for DmpstrDiver_126:
(11, 69324), (Start: 16 @69336 has 29 MA's), (21, 69378), (25, 69426), (41, 69624),

Gene: Dove_112 Start: 64947, Stop: 65264, Start Num: 16
Candidate Starts for Dove_112:
(3, 64881), (8, 64902), (Start: 16 @64947 has 29 MA's), (21, 64989), (25, 65037), (41, 65235),

Gene: Duke13_121 Start: 66604, Stop: 66921, Start Num: 16
Candidate Starts for Duke13_121:
(Start: 1 @66523 has 1 MA's), (Start: 16 @66604 has 29 MA's), (21, 66646), (25, 66694), (41, 66892),

Gene: Ejimix_120 Start: 70102, Stop: 70419, Start Num: 16

Candidate Starts for Ejimix_120:
(3, 70036), (8, 70057), (Start: 16 @70102 has 29 MA's), (21, 70144), (25, 70192), (41, 70390),

Gene: Emotion_31 Start: 23595, Stop: 23915, Start Num: 12
Candidate Starts for Emotion_31:
(Start: 12 @23595 has 8 MA's),

Gene: EricMillard_118 Start: 68492, Stop: 68890, Start Num: 1
Candidate Starts for EricMillard_118:
(Start: 1 @68492 has 1 MA's), (Start: 16 @68573 has 29 MA's), (21, 68615), (25, 68663), (41, 68861),

Gene: EvePickles_66 Start: 37066, Stop: 37425, Start Num: 9
Candidate Starts for EvePickles_66:
(Start: 9 @37066 has 1 MA's),

Gene: FiveHead_34 Start: 23094, Stop: 23411, Start Num: 12
Candidate Starts for FiveHead_34:
(Start: 12 @23094 has 8 MA's),

Gene: GardenState_24 Start: 19706, Stop: 20092, Start Num: 10
Candidate Starts for GardenState_24:
(Start: 10 @19706 has 8 MA's), (19, 19754),

Gene: Gonephishing_116 Start: 64412, Stop: 64720, Start Num: 17
Candidate Starts for Gonephishing_116:
(Start: 17 @64412 has 10 MA's),

Gene: GrimEater_58 Start: 39147, Stop: 39497, Start Num: 10
Candidate Starts for GrimEater_58:
(Start: 10 @39147 has 8 MA's), (19, 39186), (23, 39225), (24, 39228), (29, 39327), (44, 39486),

Gene: Halley_128 Start: 70418, Stop: 70735, Start Num: 16
Candidate Starts for Halley_128:
(3, 70352), (8, 70373), (Start: 16 @70418 has 29 MA's), (21, 70460), (25, 70508), (41, 70706),

Gene: Hannaconda_113 Start: 64342, Stop: 64650, Start Num: 17
Candidate Starts for Hannaconda_113:
(Start: 13 @64330 has 1 MA's), (Start: 17 @64342 has 10 MA's),

Gene: Hidrated_109 Start: 66687, Stop: 67004, Start Num: 16
Candidate Starts for Hidrated_109:
(3, 66621), (8, 66642), (Start: 16 @66687 has 29 MA's), (21, 66729), (25, 66777), (41, 66975),

Gene: HokkenD_116 Start: 68748, Stop: 69065, Start Num: 16
Candidate Starts for HokkenD_116:
(3, 68682), (8, 68703), (Start: 16 @68748 has 29 MA's), (21, 68790), (25, 68838), (39, 69015), (41, 69036),

Gene: Hughesyang_126 Start: 70110, Stop: 70427, Start Num: 16
Candidate Starts for Hughesyang_126:
(Start: 1 @70029 has 1 MA's), (Start: 16 @70110 has 29 MA's), (21, 70152), (25, 70200), (41, 70398),

Gene: IAmGroot_24 Start: 20367, Stop: 20753, Start Num: 10

Candidate Starts for IAmGroot_24:
(Start: 10 @20367 has 8 MA's), (19, 20415),

Gene: Jankie_59 Start: 39329, Stop: 39679, Start Num: 10
Candidate Starts for Jankie_59:
(Start: 10 @39329 has 8 MA's), (19, 39368), (23, 39407), (24, 39410), (29, 39509), (44, 39668),

Gene: JasmineDragon_31 Start: 22997, Stop: 23317, Start Num: 12
Candidate Starts for JasmineDragon_31:
(Start: 12 @22997 has 8 MA's),

Gene: JohnThicc_31 Start: 23094, Stop: 23411, Start Num: 12
Candidate Starts for JohnThicc_31:
(Start: 12 @23094 has 8 MA's),

Gene: JuicyJay_123 Start: 71655, Stop: 71972, Start Num: 16
Candidate Starts for JuicyJay_123:
(3, 71589), (8, 71610), (Start: 16 @71655 has 29 MA's), (21, 71697), (25, 71745), (39, 71922), (41, 71943),

Gene: Kalah2_117 Start: 68949, Stop: 69266, Start Num: 16
Candidate Starts for Kalah2_117:
(11, 68937), (Start: 16 @68949 has 29 MA's), (21, 68991), (25, 69039), (41, 69237),

Gene: KashFlow_119 Start: 66847, Stop: 67155, Start Num: 17
Candidate Starts for KashFlow_119:
(Start: 13 @66835 has 1 MA's), (Start: 17 @66847 has 10 MA's),

Gene: Klein_122 Start: 67306, Stop: 67623, Start Num: 16
Candidate Starts for Klein_122:
(11, 67294), (Start: 16 @67306 has 29 MA's), (21, 67348), (25, 67396), (41, 67594),

Gene: Kudefre_107 Start: 60127, Stop: 60459, Start Num: 14
Candidate Starts for Kudefre_107:
(Start: 14 @60127 has 8 MA's), (27, 60253), (34, 60331),

Gene: LadyAstra_31 Start: 23031, Stop: 23351, Start Num: 12
Candidate Starts for LadyAstra_31:
(Start: 12 @23031 has 8 MA's),

Gene: LisoBros_61 Start: 42770, Stop: 43123, Start Num: 10
Candidate Starts for LisoBros_61:
(7, 42755), (Start: 10 @42770 has 8 MA's), (23, 42848), (24, 42851), (29, 42950), (31, 42959),

Gene: LittleE_126 Start: 68598, Stop: 68906, Start Num: 17
Candidate Starts for LittleE_126:
(4, 68535), (8, 68547), (Start: 17 @68598 has 10 MA's),

Gene: Lucky2013_119 Start: 65726, Stop: 66034, Start Num: 17
Candidate Starts for Lucky2013_119:
(Start: 13 @65714 has 1 MA's), (Start: 17 @65726 has 10 MA's),

Gene: Marleymoo_111 Start: 65865, Stop: 66182, Start Num: 16

Candidate Starts for Marleymoo_111:
(2, 65796), (3, 65799), (8, 65820), (Start: 16 @65865 has 29 MA's), (21, 65907), (25, 65955), (41, 66153),

Gene: MiaZeal_122 Start: 66071, Stop: 66379, Start Num: 17
Candidate Starts for MiaZeal_122:
(4, 66008), (8, 66020), (Start: 17 @66071 has 10 MA's),

Gene: Minerva_124 Start: 68711, Stop: 69028, Start Num: 16
Candidate Starts for Minerva_124:
(Start: 1 @68630 has 1 MA's), (Start: 16 @68711 has 29 MA's), (21, 68753), (25, 68801), (41, 68999),

Gene: MiniMommy_31 Start: 22998, Stop: 23318, Start Num: 12
Candidate Starts for MiniMommy_31:
(Start: 12 @22998 has 8 MA's),

Gene: Morrill_21 Start: 13841, Stop: 13464, Start Num: 14
Candidate Starts for Morrill_21:
(Start: 14 @13841 has 8 MA's), (19, 13823), (30, 13676), (32, 13661), (36, 13622), (40, 13568), (42, 13532),

Gene: Nekros_125 Start: 69567, Stop: 69875, Start Num: 17
Candidate Starts for Nekros_125:
(Start: 13 @69555 has 1 MA's), (Start: 17 @69567 has 10 MA's),

Gene: Nibley_119 Start: 65950, Stop: 66258, Start Num: 17
Candidate Starts for Nibley_119:
(4, 65887), (8, 65899), (Start: 17 @65950 has 10 MA's),

Gene: NihilNomen_128 Start: 69600, Stop: 69917, Start Num: 16
Candidate Starts for NihilNomen_128:
(Start: 1 @69519 has 1 MA's), (Start: 16 @69600 has 29 MA's), (21, 69642), (25, 69690), (39, 69867), (41, 69888),

Gene: Octobien14_106 Start: 59500, Stop: 59814, Start Num: 14
Candidate Starts for Octobien14_106:
(Start: 14 @59500 has 8 MA's), (36, 59695),

Gene: Omega_133 Start: 70267, Stop: 70587, Start Num: 13
Candidate Starts for Omega_133:
(Start: 13 @70267 has 1 MA's), (Start: 17 @70279 has 10 MA's),

Gene: Optimus_117 Start: 67107, Stop: 67424, Start Num: 16
Candidate Starts for Optimus_117:
(Start: 1 @67026 has 1 MA's), (Start: 16 @67107 has 29 MA's), (21, 67149), (25, 67197), (41, 67395),

Gene: Origami_31 Start: 23031, Stop: 23351, Start Num: 12
Candidate Starts for Origami_31:
(Start: 12 @23031 has 8 MA's),

Gene: Phoebus_127 Start: 71464, Stop: 71781, Start Num: 16
Candidate Starts for Phoebus_127:

(3, 71398), (8, 71419), (Start: 16 @71464 has 29 MA's), (21, 71506), (25, 71554), (39, 71731), (41, 71752),

Gene: Porcelain_122 Start: 66672, Stop: 66980, Start Num: 17
Candidate Starts for Porcelain_122:
(Start: 13 @66660 has 1 MA's), (Start: 17 @66672 has 10 MA's),

Gene: Pound_115 Start: 67880, Stop: 68197, Start Num: 16
Candidate Starts for Pound_115:
(11, 67868), (Start: 16 @67880 has 29 MA's), (21, 67922), (25, 67970), (41, 68168),

Gene: Rearden_120 Start: 65970, Stop: 66278, Start Num: 17
Candidate Starts for Rearden_120:
(4, 65907), (8, 65919), (Start: 17 @65970 has 10 MA's),

Gene: Redno2_118 Start: 66930, Stop: 67247, Start Num: 16
Candidate Starts for Redno2_118:
(3, 66864), (8, 66885), (Start: 16 @66930 has 29 MA's), (21, 66972), (25, 67020), (39, 67197), (41, 67218),

Gene: Schatzie_122 Start: 69560, Stop: 69877, Start Num: 16
Candidate Starts for Schatzie_122:
(11, 69548), (Start: 16 @69560 has 29 MA's), (21, 69602), (25, 69650), (41, 69848),

Gene: Sephiroth_104 Start: 60078, Stop: 60410, Start Num: 14
Candidate Starts for Sephiroth_104:
(Start: 14 @60078 has 8 MA's), (27, 60204), (34, 60282),

Gene: Shaboozey_123 Start: 66394, Stop: 66702, Start Num: 17
Candidate Starts for Shaboozey_123:
(4, 66331), (8, 66343), (Start: 17 @66394 has 10 MA's),

Gene: ShakeItOph_31 Start: 22997, Stop: 23317, Start Num: 12
Candidate Starts for ShakeItOph_31:
(Start: 12 @22997 has 8 MA's),

Gene: ShyRosie_22 Start: 14015, Stop: 13641, Start Num: 14
Candidate Starts for ShyRosie_22:
(Start: 14 @14015 has 8 MA's), (18, 14000), (20, 13985), (30, 13850), (36, 13796), (43, 13697),

Gene: Soondubu_59 Start: 43289, Stop: 43648, Start Num: 10
Candidate Starts for Soondubu_59:
(5, 43265), (Start: 10 @43289 has 8 MA's), (29, 43478),

Gene: Squint_120 Start: 66184, Stop: 66492, Start Num: 17
Candidate Starts for Squint_120:
(4, 66121), (8, 66133), (Start: 17 @66184 has 10 MA's),

Gene: Superphikiman_119 Start: 65275, Stop: 65583, Start Num: 17
Candidate Starts for Superphikiman_119:
(4, 65212), (8, 65224), (Start: 17 @65275 has 10 MA's),

Gene: Syleon_108 Start: 60667, Stop: 60999, Start Num: 14

Candidate Starts for Syleon_108:
(Start: 14 @60667 has 8 MA's), (27, 60793), (34, 60871),

Gene: Thibault_108 Start: 64265, Stop: 64582, Start Num: 16
Candidate Starts for Thibault_108:
(3, 64199), (8, 64220), (Start: 16 @64265 has 29 MA's), (21, 64307), (25, 64355), (39, 64532), (41, 64553),

Gene: ThirteenKH_21 Start: 13840, Stop: 13463, Start Num: 14
Candidate Starts for ThirteenKH_21:
(Start: 14 @13840 has 8 MA's), (19, 13822), (30, 13675), (32, 13660), (36, 13621), (40, 13567), (42, 13531),

Gene: ThreeRngTarjay_122 Start: 70055, Stop: 70372, Start Num: 16
Candidate Starts for ThreeRngTarjay_122:
(Start: 1 @69974 has 1 MA's), (6, 70001), (Start: 16 @70055 has 29 MA's), (21, 70097), (25, 70145), (41, 70343),

Gene: VroomVroom_31 Start: 23092, Stop: 23409, Start Num: 12
Candidate Starts for VroomVroom_31:
(Start: 12 @23092 has 8 MA's),

Gene: Wanda_125 Start: 67190, Stop: 67507, Start Num: 16
Candidate Starts for Wanda_125:
(Start: 1 @67109 has 1 MA's), (Start: 16 @67190 has 29 MA's), (21, 67232), (25, 67280), (41, 67478),

Gene: Xiaokay_120 Start: 67161, Stop: 67478, Start Num: 16
Candidate Starts for Xiaokay_120:
(3, 67095), (8, 67116), (Start: 16 @67161 has 29 MA's), (21, 67203), (25, 67251), (39, 67428), (41, 67449),

Gene: Yafa_21 Start: 13860, Stop: 13483, Start Num: 14
Candidate Starts for Yafa_21:
(Start: 14 @13860 has 8 MA's), (19, 13842), (30, 13695), (32, 13680), (36, 13641), (40, 13587),

Gene: Yeet_118 Start: 68813, Stop: 69127, Start Num: 16
Candidate Starts for Yeet_118:
(11, 68801), (Start: 16 @68813 has 29 MA's), (39, 69077), (41, 69098),

Gene: Zelink_121 Start: 70002, Stop: 70319, Start Num: 16
Candidate Starts for Zelink_121:
(Start: 1 @69921 has 1 MA's), (Start: 16 @70002 has 29 MA's), (21, 70044), (25, 70092), (41, 70290),