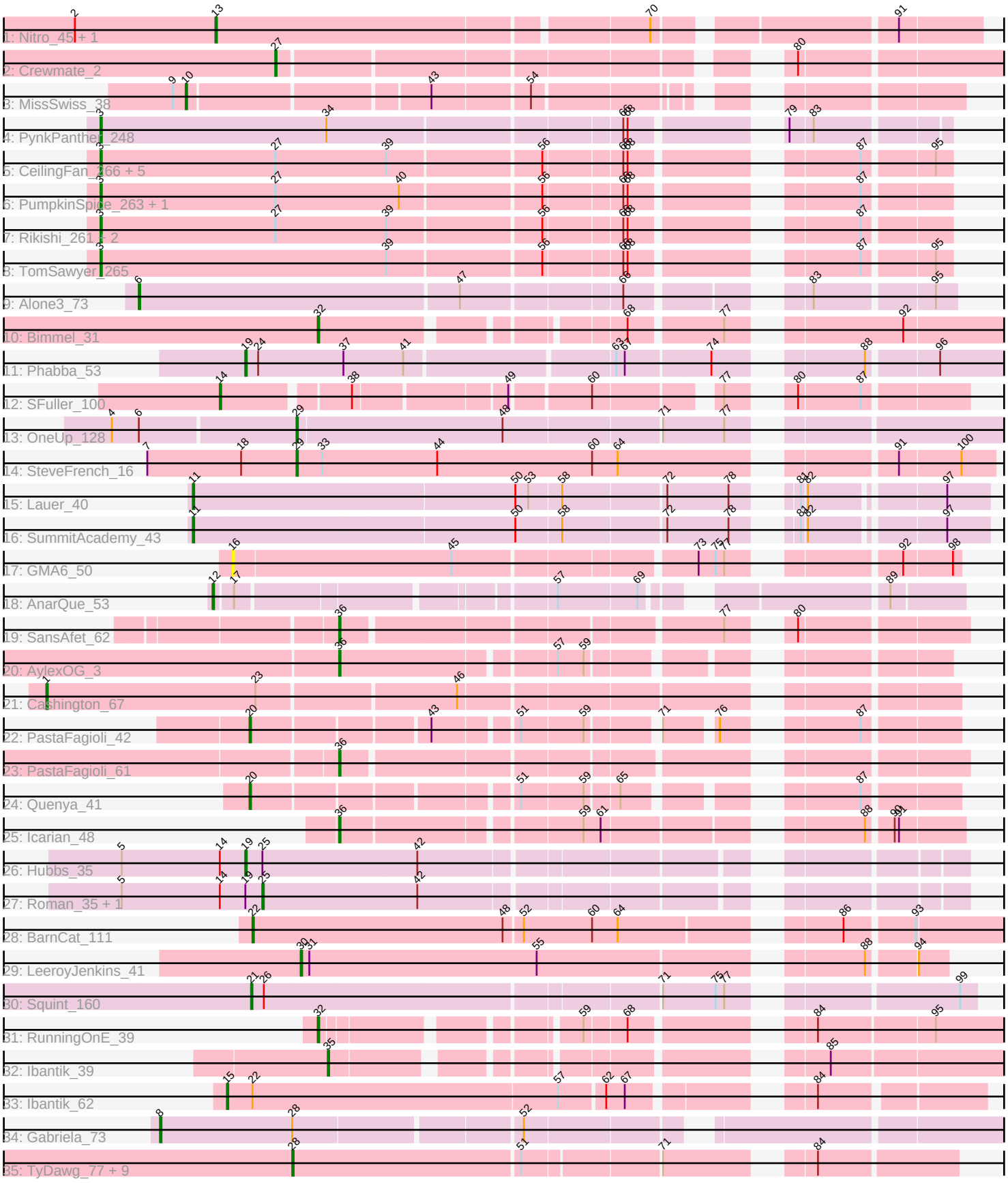
Pham 347686


1: Nitro_45 + 1
2: Crewmate_2
3: MissSwiss_38
4: PynkPanther_248
5: CeilingFan_266 + 5
6: PumpkinSpice_263 + 1
7: Rikishi_261 + 2
8: TomSawyer_265
9: Alone3_73
10: Bimmel_31
11: Phabba_53
12: SFuller_100
13: OneUp_128
14: SteveFrench_16
15: Lauer_40
16: SummitAcademy_43
17: GMA6_50
18: AnarQue_53
19: SansAfet_62
20: AylexOG_3
21: Cashington_67
22: PastaFagioli_42
23: PastaFagioli_61
24: Quenya_41
25: Icarian_48
26: Hubbs_35
27: Roman_35 + 1
28: BarnCat_111
29: LeeroyJenkins_41
30: Squint_160
31: RunningOnE_39
32: Ibantik_39
33: Ibantik_62
34: Gabriela_73
35: TyDawg_77 + 9

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 347686 Report

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

Pham number 347686 has 54 members, 5 are drafts.

Phages represented in each track:
- Track 1 : Nitro_45, Community_49
- Track 2 : Crewmate_2
- Track 3 : MissSwiss_38
- Track 4 : PynkPanther_248
- Track 5 : CeilingFan_266, KentuckyRacer_267, Spelly_265, Starbow_257, JimJam_268, Spilled_268
- Track 6 : PumpkinSpice_263, Wipeout_252
- Track 7 : Rikishi_261, Gibbi_270, AcciDwight_269
- Track 8 : TomSawyer_265
- Track 9 : Alone3_73
- Track 10 : Bimmel_31
- Track 11 : Phabba_53
- Track 12 : SFuller_100
- Track 13 : OneUp_128
- Track 14 : SteveFrench_16
- Track 15 : Lauer_40
- Track 16 : SummitAcademy_43
- Track 17 : GMA6_50
- Track 18 : AnarQue_53
- Track 19 : SansAfet_62
- Track 20 : AylexOG_3
- Track 21 : Cashington_67
- Track 22 : PastaFagioli_42
- Track 23 : PastaFagioli_61
- Track 24 : Quenya_41
- Track 25 : Icarian_48
- Track 26 : Hubbs_35
- Track 27 : Roman_35, DejaVu_36
- Track 28 : BarnCat_111
- Track 29 : LeeroyJenkins_41
- Track 30 : Squint_160
- Track 31 : RunningOnE_39
- Track 32 : Ibantik_39
- Track 33 : Ibantik_62
- Track 34 : Gabriela_73
- Track 35 : TyDawg_77, PegLeg_76, Dulcita_78, Diminimus_78, Bongo_77, FreakyGoo_79, Skinny_80, TpudiCK_79, LilhomieP_77, Izel_78

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

The start number called the most often in the published annotations is 3, it was called in 11 of the 49 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AcciDwight_269, CeilingFan_266, Gibbi_270, JimJam_268, KentuckyRacer_267, PumpkinSpice_263, PynkPanther_248, Rikishi_261, Spelly_265, Spilled_268, Starbow_257, TomSawyer_265, Wipeout_252,

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

Genes that do not have the "Most Annotated" start:
• Alone3_73, AnarQue_53, AylexOG_3, BarnCat_111, Bimmel_31, Bongo_77, Cashington_67, Community_49, Crewmate_2, DejaVu_36, Diminimus_78, Dulcita_78, FreakyGoo_79, GMA6_50, Gabriela_73, Hubbs_35, Ibantik_39, Ibantik_62, Icarian_48, Izel_78, Lauer_40, LeeroyJenkins_41, LilhomieP_77, MissSwiss_38, Nitro_45, OneUp_128, PastaFagioli_42, PastaFagioli_61, PegLeg_76, Phabba_53, Quenya_41, Roman_35, RunningOnE_39, SFuller_100, SansAfet_62, Skinny_80, Squint_160, SteveFrench_16, SummitAcademy_43, TpudiCK_79, TyDawg_77,

Summary by start number:

Start 1:
• Found in 1 of 54 (1.9%) of genes in pham
• Manual Annotations of this start: 1 of 49
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cashington_67 (EB),

Start 3:
• Found in 13 of 54 (24.1%) of genes in pham
• Manual Annotations of this start: 11 of 49
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AcciDwight_269 (BE2), CeilingFan_266 (BE2), Gibbi_270 (BE2), JimJam_268 (BE2), KentuckyRacer_267 (BE2), PumpkinSpice_263 (BE2), PynkPanther_248 (BE1), Rikishi_261 (BE2), Spelly_265 (BE2), Spilled_268 (BE2), Starbow_257 (BE2), TomSawyer_265 (BE2), Wipeout_252 (BE2),

Start 6:
• Found in 2 of 54 (3.7%) of genes in pham
• Manual Annotations of this start: 1 of 49
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Alone3_73 (BS),

Start 8:
• Found in 1 of 54 (1.9%) of genes in pham

• Manual Annotations of this start: 1 of 49
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gabriela_73 (L2),

Start 10:
• Found in 1 of 54 (1.9%) of genes in pham
• Manual Annotations of this start: 1 of 49
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MissSwiss_38 (AZ1),

Start 11:
• Found in 2 of 54 (3.7%) of genes in pham
• Manual Annotations of this start: 2 of 49
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Lauer_40 (CT), SummitAcademy_43 (CT),

Start 12:
• Found in 1 of 54 (1.9%) of genes in pham
• Manual Annotations of this start: 1 of 49
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AnarQue_53 (DR),

Start 13:
• Found in 2 of 54 (3.7%) of genes in pham
• Manual Annotations of this start: 1 of 49
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Community_49 (AZ1), Nitro_45 (AZ1),

Start 14:
• Found in 4 of 54 (7.4%) of genes in pham
• Manual Annotations of this start: 1 of 49
• Called 25.0% of time when present
• Phage (with cluster) where this start called: SFuller_100 (CF),

Start 15:
• Found in 1 of 54 (1.9%) of genes in pham
• Manual Annotations of this start: 1 of 49
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ibantik_62 (JN),

Start 16:
• Found in 1 of 54 (1.9%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GMA6_50 (DQ),

Start 19:
• Found in 4 of 54 (7.4%) of genes in pham
• Manual Annotations of this start: 2 of 49
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Hubbs_35 (ED1), Phabba_53 (C2),

Start 20:
• Found in 2 of 54 (3.7%) of genes in pham
• Manual Annotations of this start: 2 of 49
• Called 100.0% of time when present
• Phage (with cluster) where this start called: PastaFagioli_42 (EB), Quenya_41 (EB),

Start 21:
• Found in 1 of 54 (1.9%) of genes in pham
• Manual Annotations of this start: 1 of 49
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Squint_160 (J),

Start 22:
• Found in 2 of 54 (3.7%) of genes in pham
• Manual Annotations of this start: 1 of 49
• Called 50.0% of time when present
• Phage (with cluster) where this start called: BarnCat_111 (GB),

Start 25:
• Found in 3 of 54 (5.6%) of genes in pham
• Manual Annotations of this start: 2 of 49
• Called 66.7% of time when present
• Phage (with cluster) where this start called: DejaVu_36 (ED1), Roman_35 (ED1),

Start 27:
• Found in 12 of 54 (22.2%) of genes in pham
• Manual Annotations of this start: 1 of 49
• Called 8.3% of time when present
• Phage (with cluster) where this start called: Crewmate_2 (AZ1),

Start 28:
• Found in 11 of 54 (20.4%) of genes in pham
• Manual Annotations of this start: 9 of 49
• Called 90.9% of time when present
• Phage (with cluster) where this start called: Bongo_77 (M1), Diminimus_78 (M1), Dulcita_78 (M1), FreakyGoo_79 (M1), Izel_78 (M1), LilhomieP_77 (M1), PegLeg_76 (M1), Skinny_80 (M1), TpudiCK_79 (M1), TyDawg_77 (M1),

Start 29:
• Found in 2 of 54 (3.7%) of genes in pham
• Manual Annotations of this start: 2 of 49
• Called 100.0% of time when present
• Phage (with cluster) where this start called: OneUp_128 (CQ2), SteveFrench_16 (CS2),

Start 30:
• Found in 1 of 54 (1.9%) of genes in pham
• Manual Annotations of this start: 1 of 49
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LeeroyJenkins_41 (GB),

Start 32:
• Found in 2 of 54 (3.7%) of genes in pham

• Manual Annotations of this start: 2 of 49
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bimmel_31 (BT), RunningOnE_39 (JN),

Start 35:
• Found in 1 of 54 (1.9%) of genes in pham
• Manual Annotations of this start: 1 of 49
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ibantik_39 (JN),

Start 36:
• Found in 4 of 54 (7.4%) of genes in pham
• Manual Annotations of this start: 4 of 49
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AylexOG_3 (EB), Icarian_48 (EB), PastaFagioli_61 (EB), SansAfet_62 (EB),

Summary by clusters:

There are 19 clusters represented in this pham: BE1, AZ1, CQ2, DQ, J, CF, EB, BT, JN, ED1, M1, GB, BS, BE2, L2, CS2, DR, C2, CT,

Info for manual annotations of cluster AZ1:
•Start number 10 was manually annotated 1 time for cluster AZ1.
•Start number 13 was manually annotated 1 time for cluster AZ1.
•Start number 27 was manually annotated 1 time for cluster AZ1.

Info for manual annotations of cluster BE1:
•Start number 3 was manually annotated 1 time for cluster BE1.

Info for manual annotations of cluster BE2:
•Start number 3 was manually annotated 10 times for cluster BE2.

Info for manual annotations of cluster BS:
•Start number 6 was manually annotated 1 time for cluster BS.

Info for manual annotations of cluster BT:
•Start number 32 was manually annotated 1 time for cluster BT.

Info for manual annotations of cluster C2:
•Start number 19 was manually annotated 1 time for cluster C2.

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

Info for manual annotations of cluster CQ2:
•Start number 29 was manually annotated 1 time for cluster CQ2.

Info for manual annotations of cluster CS2:
•Start number 29 was manually annotated 1 time for cluster CS2.

Info for manual annotations of cluster CT:
•Start number 11 was manually annotated 2 times for cluster CT.

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

Info for manual annotations of cluster EB:
•Start number 1 was manually annotated 1 time for cluster EB.
•Start number 20 was manually annotated 2 times for cluster EB.
•Start number 36 was manually annotated 4 times for cluster EB.

Info for manual annotations of cluster ED1:
•Start number 19 was manually annotated 1 time for cluster ED1.
•Start number 25 was manually annotated 2 times for cluster ED1.

Info for manual annotations of cluster GB:
•Start number 22 was manually annotated 1 time for cluster GB.
•Start number 30 was manually annotated 1 time for cluster GB.

Info for manual annotations of cluster J:
•Start number 21 was manually annotated 1 time for cluster J.

Info for manual annotations of cluster JN:
•Start number 15 was manually annotated 1 time for cluster JN.
•Start number 32 was manually annotated 1 time for cluster JN.
•Start number 35 was manually annotated 1 time for cluster JN.

Info for manual annotations of cluster L2:
•Start number 8 was manually annotated 1 time for cluster L2.

Info for manual annotations of cluster M1:
•Start number 28 was manually annotated 9 times for cluster M1.

Gene Information:

Gene: AcciDwight_269 Start: 119645, Stop: 119103, Start Num: 3
Candidate Starts for AcciDwight_269:
(Start: 3 @119645 has 11 MA's), (Start: 27 @119522 has 1 MA's), (39, 119444), (56, 119342), (66, 119291), (68, 119288), (87, 119159),

Gene: Alone3_73 Start: 27993, Stop: 28508, Start Num: 6
Candidate Starts for Alone3_73:
(Start: 6 @27993 has 1 MA's), (47, 28215), (66, 28320), (83, 28416), (95, 28494),

Gene: AnarQue_53 Start: 46202, Stop: 45753, Start Num: 12
Candidate Starts for AnarQue_53:
(Start: 12 @46202 has 1 MA's), (17, 46190), (57, 45992), (69, 45938), (89, 45800),

Gene: AylexOG_3 Start: 681, Stop: 1040, Start Num: 36
Candidate Starts for AylexOG_3:
(Start: 36 @681 has 4 MA's), (57, 819), (59, 837),

Gene: BarnCat_111 Start: 57019, Stop: 57567, Start Num: 22
Candidate Starts for BarnCat_111:
(Start: 22 @57019 has 1 MA's), (48, 57193), (52, 57205), (60, 57253), (64, 57271), (86, 57400), (93, 57445),

Gene: Bimmel_31 Start: 19820, Stop: 19383, Start Num: 32
Candidate Starts for Bimmel_31:
(Start: 32 @19820 has 2 MA's), (68, 19634), (77, 19574), (92, 19475),

Gene: Bongo_77 Start: 49178, Stop: 49594, Start Num: 28
Candidate Starts for Bongo_77:
(Start: 28 @49178 has 9 MA's), (51, 49331), (71, 49421), (84, 49502),

Gene: Cashington_67 Start: 40402, Stop: 40983, Start Num: 1
Candidate Starts for Cashington_67:
(Start: 1 @40402 has 1 MA's), (23, 40549), (46, 40678),

Gene: CeilingFan_266 Start: 120156, Stop: 119614, Start Num: 3
Candidate Starts for CeilingFan_266:
(Start: 3 @120156 has 11 MA's), (Start: 27 @120033 has 1 MA's), (39, 119955), (56, 119853), (66, 119802), (68, 119799), (87, 119670), (95, 119625),

Gene: Community_49 Start: 35475, Stop: 35966, Start Num: 13
Candidate Starts for Community_49:
(2, 35376), (Start: 13 @35475 has 1 MA's), (70, 35763), (91, 35910),

Gene: Crewmate_2 Start: 546, Stop: 995, Start Num: 27
Candidate Starts for Crewmate_2:
(Start: 27 @546 has 1 MA's), (80, 846),

Gene: DejaVu_36 Start: 15500, Stop: 15066, Start Num: 25
Candidate Starts for DejaVu_36:
(5, 15599), (Start: 14 @15530 has 1 MA's), (Start: 19 @15512 has 2 MA's), (Start: 25 @15500 has 2 MA's), (42, 15392),

Gene: Diminimus_78 Start: 49173, Stop: 49589, Start Num: 28
Candidate Starts for Diminimus_78:
(Start: 28 @49173 has 9 MA's), (51, 49326), (71, 49416), (84, 49497),

Gene: Dulcita_78 Start: 49174, Stop: 49590, Start Num: 28
Candidate Starts for Dulcita_78:
(Start: 28 @49174 has 9 MA's), (51, 49327), (71, 49417), (84, 49498),

Gene: FreakyGoo_79 Start: 49653, Stop: 50069, Start Num: 28
Candidate Starts for FreakyGoo_79:
(Start: 28 @49653 has 9 MA's), (51, 49806), (71, 49896), (84, 49977),

Gene: GMA6_50 Start: 43670, Stop: 43215, Start Num: 16
Candidate Starts for GMA6_50:
(16, 43670), (45, 43520), (73, 43364), (75, 43352), (77, 43346), (92, 43253), (98, 43220),

Gene: Gabriela_73 Start: 49202, Stop: 49747, Start Num: 8
Candidate Starts for Gabriela_73:

(Start: 8 @49202 has 1 MA's), (Start: 28 @49295 has 9 MA's), (52, 49442),

Gene: Gibbi_270 Start: 119649, Stop: 119107, Start Num: 3
Candidate Starts for Gibbi_270:
(Start: 3 @119649 has 11 MA's), (Start: 27 @119526 has 1 MA's), (39, 119448), (56, 119346), (66, 119295), (68, 119292), (87, 119163),

Gene: Hubbs_35 Start: 15724, Stop: 15278, Start Num: 19
Candidate Starts for Hubbs_35:
(5, 15811), (Start: 14 @15742 has 1 MA's), (Start: 19 @15724 has 2 MA's), (Start: 25 @15712 has 2 MA's), (42, 15604),

Gene: Ibantik_39 Start: 18281, Stop: 17859, Start Num: 35
Candidate Starts for Ibantik_39:
(Start: 35 @18281 has 1 MA's), (85, 17999),

Gene: Ibantik_62 Start: 26677, Stop: 27156, Start Num: 15
Candidate Starts for Ibantik_62:
(Start: 15 @26677 has 1 MA's), (Start: 22 @26695 has 1 MA's), (57, 26908), (62, 26938), (67, 26950), (84, 27049),

Gene: Icarian_48 Start: 33307, Stop: 33684, Start Num: 36
Candidate Starts for Icarian_48:
(Start: 36 @33307 has 4 MA's), (59, 33460), (61, 33472), (88, 33622), (90, 33637), (91, 33640),

Gene: Izel_78 Start: 49173, Stop: 49589, Start Num: 28
Candidate Starts for Izel_78:
(Start: 28 @49173 has 9 MA's), (51, 49326), (71, 49416), (84, 49497),

Gene: JimJam_268 Start: 121085, Stop: 120543, Start Num: 3
Candidate Starts for JimJam_268:
(Start: 3 @121085 has 11 MA's), (Start: 27 @120962 has 1 MA's), (39, 120884), (56, 120782), (66, 120731), (68, 120728), (87, 120599), (95, 120554),

Gene: KentuckyRacer_267 Start: 121000, Stop: 120458, Start Num: 3
Candidate Starts for KentuckyRacer_267:
(Start: 3 @121000 has 11 MA's), (Start: 27 @120877 has 1 MA's), (39, 120799), (56, 120697), (66, 120646), (68, 120643), (87, 120514), (95, 120469),

Gene: Lauer_40 Start: 32937, Stop: 32434, Start Num: 11
Candidate Starts for Lauer_40:
(Start: 11 @32937 has 2 MA's), (50, 32715), (53, 32706), (58, 32685), (72, 32616), (78, 32574), (81, 32550), (82, 32547), (97, 32463),

Gene: LeeroyJenkins_41 Start: 21889, Stop: 21473, Start Num: 30
Candidate Starts for LeeroyJenkins_41:
(Start: 30 @21889 has 1 MA's), (31, 21883), (55, 21724), (88, 21523), (94, 21493),

Gene: LilhomieP_77 Start: 49657, Stop: 50073, Start Num: 28
Candidate Starts for LilhomieP_77:
(Start: 28 @49657 has 9 MA's), (51, 49810), (71, 49900), (84, 49981),

Gene: MissSwiss_38 Start: 27401, Stop: 27859, Start Num: 10

Candidate Starts for MissSwiss_38:
(9, 27392), (Start: 10 @27401 has 1 MA's), (43, 27557), (54, 27620),

Gene: Nitro_45 Start: 34067, Stop: 34558, Start Num: 13
Candidate Starts for Nitro_45:
(2, 33968), (Start: 13 @34067 has 1 MA's), (70, 34355), (91, 34502),

Gene: OneUp_128 Start: 76398, Stop: 76883, Start Num: 29
Candidate Starts for OneUp_128:
(4, 76275), (Start: 6 @76293 has 1 MA's), (Start: 29 @76398 has 2 MA's), (48, 76539), (71, 76644), (77, 76686),

Gene: PastaFagioli_42 Start: 29819, Stop: 30232, Start Num: 20
Candidate Starts for PastaFagioli_42:
(Start: 20 @29819 has 2 MA's), (43, 29933), (51, 29984), (59, 30026), (71, 30068), (76, 30098), (87, 30170),

Gene: PastaFagioli_61 Start: 39171, Stop: 39551, Start Num: 36
Candidate Starts for PastaFagioli_61:
(Start: 36 @39171 has 4 MA's),

Gene: PegLeg_76 Start: 48918, Stop: 49334, Start Num: 28
Candidate Starts for PegLeg_76:
(Start: 28 @48918 has 9 MA's), (51, 49071), (71, 49161), (84, 49242),

Gene: Phabba_53 Start: 19044, Stop: 18553, Start Num: 19
Candidate Starts for Phabba_53:
(Start: 19 @19044 has 2 MA's), (24, 19035), (37, 18975), (41, 18933), (63, 18795), (67, 18789), (74, 18732), (88, 18651), (96, 18606),

Gene: PumpkinSpice_263 Start: 119441, Stop: 118899, Start Num: 3
Candidate Starts for PumpkinSpice_263:
(Start: 3 @119441 has 11 MA's), (Start: 27 @119318 has 1 MA's), (40, 119231), (56, 119138), (66, 119087), (68, 119084), (87, 118955),

Gene: PynkPanther_248 Start: 121815, Stop: 121276, Start Num: 3
Candidate Starts for PynkPanther_248:
(Start: 3 @121815 has 11 MA's), (34, 121656), (66, 121461), (68, 121458), (79, 121377), (83, 121362),

Gene: Quenya_41 Start: 29700, Stop: 30113, Start Num: 20
Candidate Starts for Quenya_41:
(Start: 20 @29700 has 2 MA's), (51, 29865), (59, 29907), (65, 29928), (87, 30051),

Gene: Rikishi_261 Start: 119623, Stop: 119081, Start Num: 3
Candidate Starts for Rikishi_261:
(Start: 3 @119623 has 11 MA's), (Start: 27 @119500 has 1 MA's), (39, 119422), (56, 119320), (66, 119269), (68, 119266), (87, 119137),

Gene: Roman_35 Start: 15559, Stop: 15125, Start Num: 25
Candidate Starts for Roman_35:
(5, 15658), (Start: 14 @15589 has 1 MA's), (Start: 19 @15571 has 2 MA's), (Start: 25 @15559 has 2 MA's), (42, 15451),

Gene: RunningOnE_39 Start: 18641, Stop: 18213, Start Num: 32
Candidate Starts for RunningOnE_39:
(Start: 32 @18641 has 2 MA's), (59, 18488), (68, 18461), (84, 18362), (95, 18284),

Gene: SFuller_100 Start: 58114, Stop: 58551, Start Num: 14
Candidate Starts for SFuller_100:
(Start: 14 @58114 has 1 MA's), (38, 58195), (49, 58291), (60, 58342), (77, 58414), (80, 58441), (87, 58483),

Gene: SansAfet_62 Start: 38774, Stop: 39154, Start Num: 36
Candidate Starts for SansAfet_62:
(Start: 36 @38774 has 4 MA's), (77, 39017), (80, 39044),

Gene: Skinny_80 Start: 50086, Stop: 50502, Start Num: 28
Candidate Starts for Skinny_80:
(Start: 28 @50086 has 9 MA's), (51, 50239), (71, 50329), (84, 50410),

Gene: Spelly_265 Start: 118353, Stop: 117811, Start Num: 3
Candidate Starts for Spelly_265:
(Start: 3 @118353 has 11 MA's), (Start: 27 @118230 has 1 MA's), (39, 118152), (56, 118050), (66, 117999), (68, 117996), (87, 117867), (95, 117822),

Gene: Spilled_268 Start: 120017, Stop: 119475, Start Num: 3
Candidate Starts for Spilled_268:
(Start: 3 @120017 has 11 MA's), (Start: 27 @119894 has 1 MA's), (39, 119816), (56, 119714), (66, 119663), (68, 119660), (87, 119531), (95, 119486),

Gene: Squint_160 Start: 85250, Stop: 85708, Start Num: 21
Candidate Starts for Squint_160:
(Start: 21 @85250 has 1 MA's), (26, 85259), (71, 85523), (75, 85559), (77, 85565), (99, 85697),

Gene: Starbow_257 Start: 118397, Stop: 117855, Start Num: 3
Candidate Starts for Starbow_257:
(Start: 3 @118397 has 11 MA's), (Start: 27 @118274 has 1 MA's), (39, 118196), (56, 118094), (66, 118043), (68, 118040), (87, 117911), (95, 117866),

Gene: SteveFrench_16 Start: 15937, Stop: 16392, Start Num: 29
Candidate Starts for SteveFrench_16:
(7, 15832), (18, 15898), (Start: 29 @15937 has 2 MA's), (33, 15955), (44, 16036), (60, 16144), (64, 16162), (91, 16327), (100, 16369),

Gene: SummitAcademy_43 Start: 31660, Stop: 31157, Start Num: 11
Candidate Starts for SummitAcademy_43:
(Start: 11 @31660 has 2 MA's), (50, 31438), (58, 31408), (72, 31339), (78, 31297), (81, 31273), (82, 31270), (97, 31186),

Gene: TomSawyer_265 Start: 121328, Stop: 120786, Start Num: 3
Candidate Starts for TomSawyer_265:
(Start: 3 @121328 has 11 MA's), (39, 121127), (56, 121025), (66, 120974), (68, 120971), (87, 120842), (95, 120797),

Gene: TpudiCK_79 Start: 49177, Stop: 49593, Start Num: 28
Candidate Starts for TpudiCK_79:

(Start: 28 @49177 has 9 MA's), (51, 49330), (71, 49420), (84, 49501),

Gene: TyDawg_77 Start: 49178, Stop: 49594, Start Num: 28
Candidate Starts for TyDawg_77:
(Start: 28 @49178 has 9 MA's), (51, 49331), (71, 49421), (84, 49502),

Gene: Wipeout_252 Start: 120280, Stop: 119738, Start Num: 3
Candidate Starts for Wipeout_252:
(Start: 3 @120280 has 11 MA's), (Start: 27 @120157 has 1 MA's), (40, 120070), (56, 119977), (66, 119926), (68, 119923), (87, 119794),