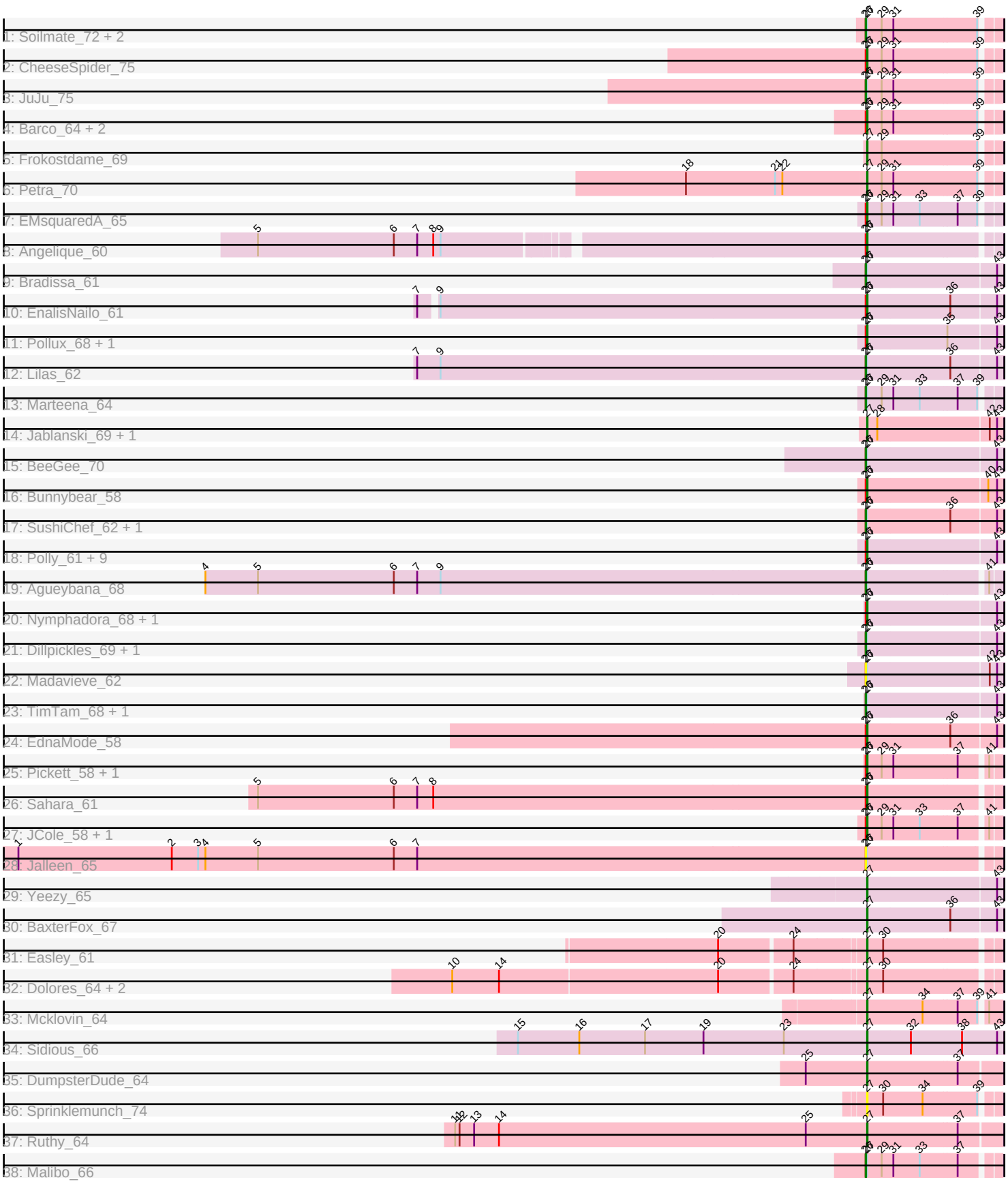
Pham 345757


1: Soilmate_72 + 2
2: CheeseSpider_75
3: JuJu_75
4: Barco_64 + 2
5: Frokostdame_69
6: Petra_70
7: EMsquaredA_65
8: Angelique_60
9: Bradissa_61
10: EnalisNailo_61
11: Pollux_68 + 1
12: Lilas_62
13: Marteena_64
14: Jablanski_69 + 1
15: BeeGee_70
16: Bunnybear_58
17: SushiChef_62 + 1
18: Polly_61 + 9
19: Agueybana_68
20: Nymphadora_68 + 1
21: Dillpickles_69 + 1
22: Madavieve_62
23: TimTam_68 + 1
24: EdnaMode_58
25: Pickett_58 + 1
26: Sahara_61
27: JCole_58 + 1
28: Jalleen_65
29: Yeezy_65
30: BaxterFox_67
31: Easley_61
32: Dolores_64 + 2
33: Mcklovin_64
34: Sidious_66
35: DumpsterDude_64
36: Sprinklemunch_74
37: Ruthy_64
38: Malibo_66

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 345757 Report

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

Pham number 345757 has 61 members, 6 are drafts.

Phages represented in each track:
- Track 1 : Soilmate_72, Blino_70, CarolAnn_69
- Track 2 : CheeseSpider_75
- Track 3 : JuJu_75
- Track 4 : Barco_64, BlingBling_63, Zilla_64
- Track 5 : Frokostdame_69
- Track 6 : Petra_70
- Track 7 : EMsquaredA_65
- Track 8 : Angelique_60
- Track 9 : Bradissa_61
- Track 10 : EnalisNailo_61
- Track 11 : Pollux_68, Floral_66
- Track 12 : Lilas_62
- Track 13 : Marteena_64
- Track 14 : Jablanski_69, Pytheas_69
- Track 15 : BeeGee_70
- Track 16 : Bunnybear_58
- Track 17 : SushiChef_62, Cashline_63
- Track 18 : Polly_61, Suscepit_64, Manasvini_65, Eudoria_64, Antonio_64, Maridalia_66, Trumpet_64, Zameen_64, Tayonia_64, Kita_65
- Track 19 : Agueybana_68
- Track 20 : Nymphadora_68, Eviarto_68
- Track 21 : Dillpickles_69, Neobush_66
- Track 22 : Madavieve_62
- Track 23 : TimTam_68, BatStarr_67
- Track 24 : EdnaMode_58
- Track 25 : Pickett_58, RavenCo17_63
- Track 26 : Sahara_61
- Track 27 : JCole_58, Yeet412_59
- Track 28 : Jalleen_65
- Track 29 : Yeezy_65
- Track 30 : BaxterFox_67
- Track 31 : Easley_61
- Track 32 : Dolores_64, WinkNick_64, Sekhmet_63
- Track 33 : Mcklovin_64
- Track 34 : Sidious_66
- Track 35 : DumpsterDude_64
- Track 36 : Sprinklemunch_74

• Track 37 : Ruthy_64
• Track 38 : Malibo_66

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

The start number called the most often in the published annotations is 27, it was called in 42 of the 55 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Angelique_60, Antonio_64, Barco_64, BaxterFox_67, BlingBling_63, Bunnybear_58, CheeseSpider_75, Dolores_64, DumpsterDude_64, EMsquaredA_65, Easley_61, EdnaMode_58, EnalisNailo_61, Eudoria_64, Eviarto_68, Floral_66, Frokostdame_69, JCole_58, Jablanski_69, Kita_65, Manasvini_65, Maridalia_66, Mcklovin_64, Nymphadora_68, Petra_70, Pickett_58, Pollux_68, Polly_61, Pytheas_69, RavenCo17_63, Ruthy_64, Sahara_61, Sekhmet_63, Sidious_66, Sprinklemunch_74, Suscepit_64, Tayonia_64, Trumpet_64, WinkNick_64, Yeet412_59, Yeezy_65, Zameen_64, Zilla_64,

Genes that have the "Most Annotated" start but do not call it:
• Agueybana_68, BatStarr_67, BeeGee_70, Blino_70, Bradissa_61, CarolAnn_69, Cashline_63, Dillpickles_69, Jalleen_65, JuJu_75, Lilas_62, Madavieve_62, Malibo_66, Marteena_64, Neobush_66, Soilmate_72, SushiChef_62, TimTam_68,

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

Summary by start number:

Start 26:
• Found in 46 of 61 (75.4%) of genes in pham
• Manual Annotations of this start: 13 of 55
• Called 39.1% of time when present
• Phage (with cluster) where this start called: Agueybana_68 (CZ1), BatStarr_67 (CZ1), BeeGee_70 (CY5), Blino_70 (CV), Bradissa_61 (CY1), CarolAnn_69 (CV), Cashline_63 (CY6), Dillpickles_69 (CZ1), Jalleen_65 (CZ2), JuJu_75 (CV), Lilas_62 (CY1), Madavieve_62 (CZ1), Malibo_66 (DW), Marteena_64 (CY1), Neobush_66 (CZ1), Soilmate_72 (CV), SushiChef_62 (CZ), TimTam_68 (CZ1),

Start 27:
• Found in 61 of 61 (100.0%) of genes in pham
• Manual Annotations of this start: 42 of 55
• Called 70.5% of time when present
• Phage (with cluster) where this start called: Angelique_60 (CY1), Antonio_64 (CZ1), Barco_64 (CV), BaxterFox_67 (CZ3), BlingBling_63 (CV), Bunnybear_58 (CZ), CheeseSpider_75 (CV), Dolores_64 (CZ4), DumpsterDude_64 (DW), EMsquaredA_65 (CY1), Easley_61 (CZ4), EdnaMode_58 (CZ2), EnalisNailo_61 (CY1), Eudoria_64 (CZ1), Eviarto_68 (CZ1), Floral_66 (CY1), Frokostdame_69 (CV), JCole_58 (CZ2), Jablanski_69 (CY3), Kita_65 (CZ1), Manasvini_65 (CZ1), Maridalia_66 (CZ1), Mcklovin_64 (CZ4), Nymphadora_68 (CZ1), Petra_70 (CV), Pickett_58 (CZ2), Pollux_68 (CY1), Polly_61 (CZ1), Pytheas_69 (CY3),

RavenCo17_63 (CZ8), Ruthy_64 (DW), Sahara_61 (CZ2), Sekhmet_63 (CZ4), Sidious_66 (CZ7), Sprinklemunch_74 (DW), Suscepit_64 (CZ1), Tayonia_64 (CZ1), Trumpet_64 (CZ1), WinkNick_64 (CZ4), Yeet412_59 (CZ2), Yeezy_65 (CZ3), Zameen_64 (CZ1), Zilla_64 (CV),

Summary by clusters:

There are 13 clusters represented in this pham: CY3, CY1, CY6, CY5, CZ2, CZ3, CZ1, CZ8, CZ4, CZ7, CZ, DW, CV,

Info for manual annotations of cluster CV:
•Start number 26 was manually annotated 3 times for cluster CV.
•Start number 27 was manually annotated 6 times for cluster CV.

Info for manual annotations of cluster CY1:
•Start number 26 was manually annotated 3 times for cluster CY1.
•Start number 27 was manually annotated 5 times for cluster CY1.

Info for manual annotations of cluster CY3:
•Start number 27 was manually annotated 2 times for cluster CY3.

Info for manual annotations of cluster CY5:
•Start number 26 was manually annotated 1 time for cluster CY5.

Info for manual annotations of cluster CY6:
•Start number 26 was manually annotated 1 time for cluster CY6.

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

Info for manual annotations of cluster CZ1:
•Start number 26 was manually annotated 4 times for cluster CZ1.
•Start number 27 was manually annotated 12 times for cluster CZ1.

Info for manual annotations of cluster CZ2:
•Start number 27 was manually annotated 5 times for cluster CZ2.

Info for manual annotations of cluster CZ3:
•Start number 27 was manually annotated 2 times for cluster CZ3.

Info for manual annotations of cluster CZ4:
•Start number 27 was manually annotated 5 times for cluster CZ4.

Info for manual annotations of cluster CZ7:
•Start number 27 was manually annotated 1 time for cluster CZ7.

Info for manual annotations of cluster CZ8:
•Start number 27 was manually annotated 1 time for cluster CZ8.

Info for manual annotations of cluster DW:
•Start number 26 was manually annotated 1 time for cluster DW.
•Start number 27 was manually annotated 2 times for cluster DW.

Gene Information:

Gene: Agueybana_68 Start: 46255, Stop: 46509, Start Num: 26
Candidate Starts for Agueybana_68:
(4, 44902), (5, 45010), (6, 45289), (7, 45337), (9, 45385), (Start: 26 @46255 has 13 MA's), (Start: 27 @46258 has 42 MA's), (41, 46489),

Gene: Angelique_60 Start: 44414, Stop: 44665, Start Num: 27
Candidate Starts for Angelique_60:
(5, 43217), (6, 43496), (7, 43544), (8, 43577), (9, 43592), (Start: 26 @44411 has 13 MA's), (Start: 27 @44414 has 42 MA's),

Gene: Antonio_64 Start: 43740, Stop: 44012, Start Num: 27
Candidate Starts for Antonio_64:
(Start: 26 @43737 has 13 MA's), (Start: 27 @43740 has 42 MA's), (43, 43998),

Gene: Barco_64 Start: 41934, Stop: 42185, Start Num: 27
Candidate Starts for Barco_64:
(Start: 26 @41931 has 13 MA's), (Start: 27 @41934 has 42 MA's), (29, 41964), (31, 41988), (39, 42156),

Gene: BatStarr_67 Start: 46771, Stop: 47046, Start Num: 26
Candidate Starts for BatStarr_67:
(Start: 26 @46771 has 13 MA's), (Start: 27 @46774 has 42 MA's), (43, 47032),

Gene: BaxterFox_67 Start: 46254, Stop: 46526, Start Num: 27
Candidate Starts for BaxterFox_67:
(Start: 27 @46254 has 42 MA's), (36, 46422), (43, 46512),

Gene: BeeGee_70 Start: 45720, Stop: 45995, Start Num: 26
Candidate Starts for BeeGee_70:
(Start: 26 @45720 has 13 MA's), (Start: 27 @45723 has 42 MA's), (43, 45981),

Gene: BlingBling_63 Start: 42816, Stop: 43067, Start Num: 27
Candidate Starts for BlingBling_63:
(Start: 26 @42813 has 13 MA's), (Start: 27 @42816 has 42 MA's), (29, 42846), (31, 42870), (39, 43038),

Gene: Blino_70 Start: 47962, Stop: 48219, Start Num: 26
Candidate Starts for Blino_70:
(Start: 26 @47962 has 13 MA's), (Start: 27 @47965 has 42 MA's), (29, 47995), (31, 48019), (39, 48187),

Gene: Bradissa_61 Start: 44770, Stop: 45042, Start Num: 26
Candidate Starts for Bradissa_61:
(Start: 26 @44770 has 13 MA's), (Start: 27 @44773 has 42 MA's), (43, 45031),

Gene: Bunnybear_58 Start: 43459, Stop: 43731, Start Num: 27
Candidate Starts for Bunnybear_58:
(Start: 26 @43456 has 13 MA's), (Start: 27 @43459 has 42 MA's), (40, 43699), (43, 43717),

Gene: CarolAnn_69 Start: 47961, Stop: 48218, Start Num: 26
Candidate Starts for CarolAnn_69:
(Start: 26 @47961 has 13 MA's), (Start: 27 @47964 has 42 MA's), (29, 47994), (31, 48018), (39, 48186),

Gene: Cashline_63 Start: 45569, Stop: 45841, Start Num: 26
Candidate Starts for Cashline_63:
(Start: 26 @45569 has 13 MA's), (Start: 27 @45572 has 42 MA's), (36, 45740), (43, 45830),

Gene: CheeseSpider_75 Start: 45511, Stop: 45762, Start Num: 27
Candidate Starts for CheeseSpider_75:
(Start: 26 @45508 has 13 MA's), (Start: 27 @45511 has 42 MA's), (29, 45541), (31, 45565), (39, 45733),

Gene: Dillpickles_69 Start: 43781, Stop: 44056, Start Num: 26
Candidate Starts for Dillpickles_69:
(Start: 26 @43781 has 13 MA's), (Start: 27 @43784 has 42 MA's), (43, 44042),

Gene: Dolores_64 Start: 41233, Stop: 41484, Start Num: 27
Candidate Starts for Dolores_64:
(10, 40417), (14, 40513), (20, 40954), (24, 41095), (Start: 27 @41233 has 42 MA's), (30, 41266),

Gene: DumpsterDude_64 Start: 48078, Stop: 48344, Start Num: 27
Candidate Starts for DumpsterDude_64:
(25, 47952), (Start: 27 @48078 has 42 MA's), (37, 48261),

Gene: EMsquaredA_65 Start: 44845, Stop: 45096, Start Num: 27
Candidate Starts for EMsquaredA_65:
(Start: 26 @44842 has 13 MA's), (Start: 27 @44845 has 42 MA's), (29, 44875), (31, 44899), (33, 44953), (37, 45028), (39, 45067),

Gene: Easley_61 Start: 40726, Stop: 40977, Start Num: 27
Candidate Starts for Easley_61:
(20, 40447), (24, 40588), (Start: 27 @40726 has 42 MA's), (30, 40759),

Gene: EdnaMode_58 Start: 39561, Stop: 39830, Start Num: 27
Candidate Starts for EdnaMode_58:
(Start: 26 @39558 has 13 MA's), (Start: 27 @39561 has 42 MA's), (36, 39729), (43, 39819),

Gene: EnalisNailo_61 Start: 44633, Stop: 44905, Start Num: 27
Candidate Starts for EnalisNailo_61:
(7, 43730), (9, 43760), (Start: 26 @44630 has 13 MA's), (Start: 27 @44633 has 42 MA's), (36, 44801), (43, 44891),

Gene: Eudoria_64 Start: 43740, Stop: 44012, Start Num: 27
Candidate Starts for Eudoria_64:
(Start: 26 @43737 has 13 MA's), (Start: 27 @43740 has 42 MA's), (43, 43998),

Gene: Eviarto_68 Start: 46749, Stop: 47021, Start Num: 27
Candidate Starts for Eviarto_68:
(Start: 26 @46746 has 13 MA's), (Start: 27 @46749 has 42 MA's), (43, 47007),

Gene: Floral_66 Start: 46730, Stop: 46999, Start Num: 27

Candidate Starts for Floral_66:
(Start: 26 @46727 has 13 MA's), (Start: 27 @46730 has 42 MA's), (35, 46892), (43, 46988),

Gene: Frokostdame_69 Start: 44956, Stop: 45207, Start Num: 27
Candidate Starts for Frokostdame_69:
(Start: 27 @44956 has 42 MA's), (29, 44986), (39, 45178),

Gene: JCole_58 Start: 38579, Stop: 38830, Start Num: 27
Candidate Starts for JCole_58:
(Start: 26 @38576 has 13 MA's), (Start: 27 @38579 has 42 MA's), (29, 38609), (31, 38633), (33, 38687), (37, 38762), (41, 38810),

Gene: Jablanski_69 Start: 47555, Stop: 47827, Start Num: 27
Candidate Starts for Jablanski_69:
(Start: 27 @47555 has 42 MA's), (28, 47576), (42, 47798), (43, 47813),

Gene: Jalleen_65 Start: 40948, Stop: 41202, Start Num: 26
Candidate Starts for Jalleen_65:
(1, 39211), (2, 39526), (3, 39580), (4, 39595), (5, 39703), (6, 39982), (7, 40030), (Start: 26 @40948 has 13 MA's), (Start: 27 @40951 has 42 MA's),

Gene: JuJu_75 Start: 47323, Stop: 47577, Start Num: 26
Candidate Starts for JuJu_75:
(Start: 26 @47323 has 13 MA's), (Start: 27 @47326 has 42 MA's), (29, 47356), (31, 47380), (39, 47548),

Gene: Kita_65 Start: 43749, Stop: 44021, Start Num: 27
Candidate Starts for Kita_65:
(Start: 26 @43746 has 13 MA's), (Start: 27 @43749 has 42 MA's), (43, 44007),

Gene: Lilas_62 Start: 46168, Stop: 46443, Start Num: 26
Candidate Starts for Lilas_62:
(7, 45250), (9, 45298), (Start: 26 @46168 has 13 MA's), (Start: 27 @46171 has 42 MA's), (36, 46339), (43, 46429),

Gene: Madavieve_62 Start: 44992, Stop: 45267, Start Num: 26
Candidate Starts for Madavieve_62:
(Start: 26 @44992 has 13 MA's), (Start: 27 @44995 has 42 MA's), (42, 45238), (43, 45253),

Gene: Malibo_66 Start: 44636, Stop: 44890, Start Num: 26
Candidate Starts for Malibo_66:
(Start: 26 @44636 has 13 MA's), (Start: 27 @44639 has 42 MA's), (29, 44669), (31, 44693), (33, 44747), (37, 44822),

Gene: Manasvini_65 Start: 43764, Stop: 44036, Start Num: 27
Candidate Starts for Manasvini_65:
(Start: 26 @43761 has 13 MA's), (Start: 27 @43764 has 42 MA's), (43, 44022),

Gene: Maridalia_66 Start: 45118, Stop: 45390, Start Num: 27
Candidate Starts for Maridalia_66:
(Start: 26 @45115 has 13 MA's), (Start: 27 @45118 has 42 MA's), (43, 45376),

Gene: Marteena_64 Start: 44842, Stop: 45096, Start Num: 26

Candidate Starts for Marteena_64:
(Start: 26 @44842 has 13 MA's), (Start: 27 @44845 has 42 MA's), (29, 44875), (31, 44899), (33, 44953), (37, 45028), (39, 45067),

Gene: Mcklovin_64 Start: 47822, Stop: 48076, Start Num: 27
Candidate Starts for Mcklovin_64:
(Start: 27 @47822 has 42 MA's), (34, 47936), (37, 48005), (39, 48044), (41, 48053),

Gene: Neobush_66 Start: 44305, Stop: 44580, Start Num: 26
Candidate Starts for Neobush_66:
(Start: 26 @44305 has 13 MA's), (Start: 27 @44308 has 42 MA's), (43, 44566),

Gene: Nymphadora_68 Start: 46773, Stop: 47045, Start Num: 27
Candidate Starts for Nymphadora_68:
(Start: 26 @46770 has 13 MA's), (Start: 27 @46773 has 42 MA's), (43, 47031),

Gene: Petra_70 Start: 43715, Stop: 43966, Start Num: 27
Candidate Starts for Petra_70:
(18, 43346), (21, 43529), (22, 43544), (Start: 27 @43715 has 42 MA's), (29, 43745), (31, 43769), (39, 43937),

Gene: Pickett_58 Start: 38510, Stop: 38761, Start Num: 27
Candidate Starts for Pickett_58:
(Start: 26 @38507 has 13 MA's), (Start: 27 @38510 has 42 MA's), (29, 38540), (31, 38564), (37, 38693), (41, 38741),

Gene: Pollux_68 Start: 46730, Stop: 46999, Start Num: 27
Candidate Starts for Pollux_68:
(Start: 26 @46727 has 13 MA's), (Start: 27 @46730 has 42 MA's), (35, 46892), (43, 46988),

Gene: Polly_61 Start: 43183, Stop: 43455, Start Num: 27
Candidate Starts for Polly_61:
(Start: 26 @43180 has 13 MA's), (Start: 27 @43183 has 42 MA's), (43, 43441),

Gene: Pytheas_69 Start: 47554, Stop: 47826, Start Num: 27
Candidate Starts for Pytheas_69:
(Start: 27 @47554 has 42 MA's), (28, 47575), (42, 47797), (43, 47812),

Gene: RavenCo17_63 Start: 45028, Stop: 45279, Start Num: 27
Candidate Starts for RavenCo17_63:
(Start: 26 @45025 has 13 MA's), (Start: 27 @45028 has 42 MA's), (29, 45058), (31, 45082), (37, 45211), (41, 45259),

Gene: Ruthy_64 Start: 46256, Stop: 46522, Start Num: 27
Candidate Starts for Ruthy_64:
(11, 45410), (12, 45419), (13, 45449), (14, 45500), (25, 46130), (Start: 27 @46256 has 42 MA's), (37, 46439),

Gene: Sahara_61 Start: 40045, Stop: 40296, Start Num: 27
Candidate Starts for Sahara_61:
(5, 38797), (6, 39076), (7, 39124), (8, 39157), (Start: 26 @40042 has 13 MA's), (Start: 27 @40045 has 42 MA's),

Gene: Sekhmet_63 Start: 41632, Stop: 41883, Start Num: 27
Candidate Starts for Sekhmet_63:
(10, 40816), (14, 40912), (20, 41353), (24, 41494), (Start: 27 @41632 has 42 MA's), (30, 41665),

Gene: Sidious_66 Start: 46334, Stop: 46612, Start Num: 27
Candidate Starts for Sidious_66:
(15, 45620), (16, 45746), (17, 45881), (19, 46001), (23, 46163), (Start: 27 @46334 has 42 MA's), (32, 46421), (38, 46526), (43, 46598),

Gene: Soilmate_72 Start: 47961, Stop: 48218, Start Num: 26
Candidate Starts for Soilmate_72:
(Start: 26 @47961 has 13 MA's), (Start: 27 @47964 has 42 MA's), (29, 47994), (31, 48018), (39, 48186),

Gene: Sprinklemunch_74 Start: 47844, Stop: 48095, Start Num: 27
Candidate Starts for Sprinklemunch_74:
(Start: 27 @47844 has 42 MA's), (30, 47877), (34, 47958), (39, 48066),

Gene: Suscepit_64 Start: 43741, Stop: 44013, Start Num: 27
Candidate Starts for Suscepit_64:
(Start: 26 @43738 has 13 MA's), (Start: 27 @43741 has 42 MA's), (43, 43999),

Gene: SushiChef_62 Start: 45967, Stop: 46242, Start Num: 26
Candidate Starts for SushiChef_62:
(Start: 26 @45967 has 13 MA's), (Start: 27 @45970 has 42 MA's), (36, 46138), (43, 46228),

Gene: Tayonia_64 Start: 43740, Stop: 44012, Start Num: 27
Candidate Starts for Tayonia_64:
(Start: 26 @43737 has 13 MA's), (Start: 27 @43740 has 42 MA's), (43, 43998),

Gene: TimTam_68 Start: 46770, Stop: 47045, Start Num: 26
Candidate Starts for TimTam_68:
(Start: 26 @46770 has 13 MA's), (Start: 27 @46773 has 42 MA's), (43, 47031),

Gene: Trumpet_64 Start: 43741, Stop: 44013, Start Num: 27
Candidate Starts for Trumpet_64:
(Start: 26 @43738 has 13 MA's), (Start: 27 @43741 has 42 MA's), (43, 43999),

Gene: WinkNick_64 Start: 41156, Stop: 41407, Start Num: 27
Candidate Starts for WinkNick_64:
(10, 40340), (14, 40436), (20, 40877), (24, 41018), (Start: 27 @41156 has 42 MA's), (30, 41189),

Gene: Yeet412_59 Start: 40796, Stop: 41047, Start Num: 27
Candidate Starts for Yeet412_59:
(Start: 26 @40793 has 13 MA's), (Start: 27 @40796 has 42 MA's), (29, 40826), (31, 40850), (33, 40904), (37, 40979), (41, 41027),

Gene: Yeezy_65 Start: 42919, Stop: 43191, Start Num: 27
Candidate Starts for Yeezy_65:
(Start: 27 @42919 has 42 MA's), (43, 43177),

Gene: Zameen_64 Start: 43740, Stop: 44012, Start Num: 27
Candidate Starts for Zameen_64:

(Start: 26 @43737 has 13 MA's), (Start: 27 @43740 has 42 MA's), (43, 43998),

Gene: Zilla_64 Start: 41951, Stop: 42202, Start Num: 27
Candidate Starts for Zilla_64:
(Start: 26 @41948 has 13 MA's), (Start: 27 @41951 has 42 MA's), (29, 41981), (31, 42005), (39, 42173),