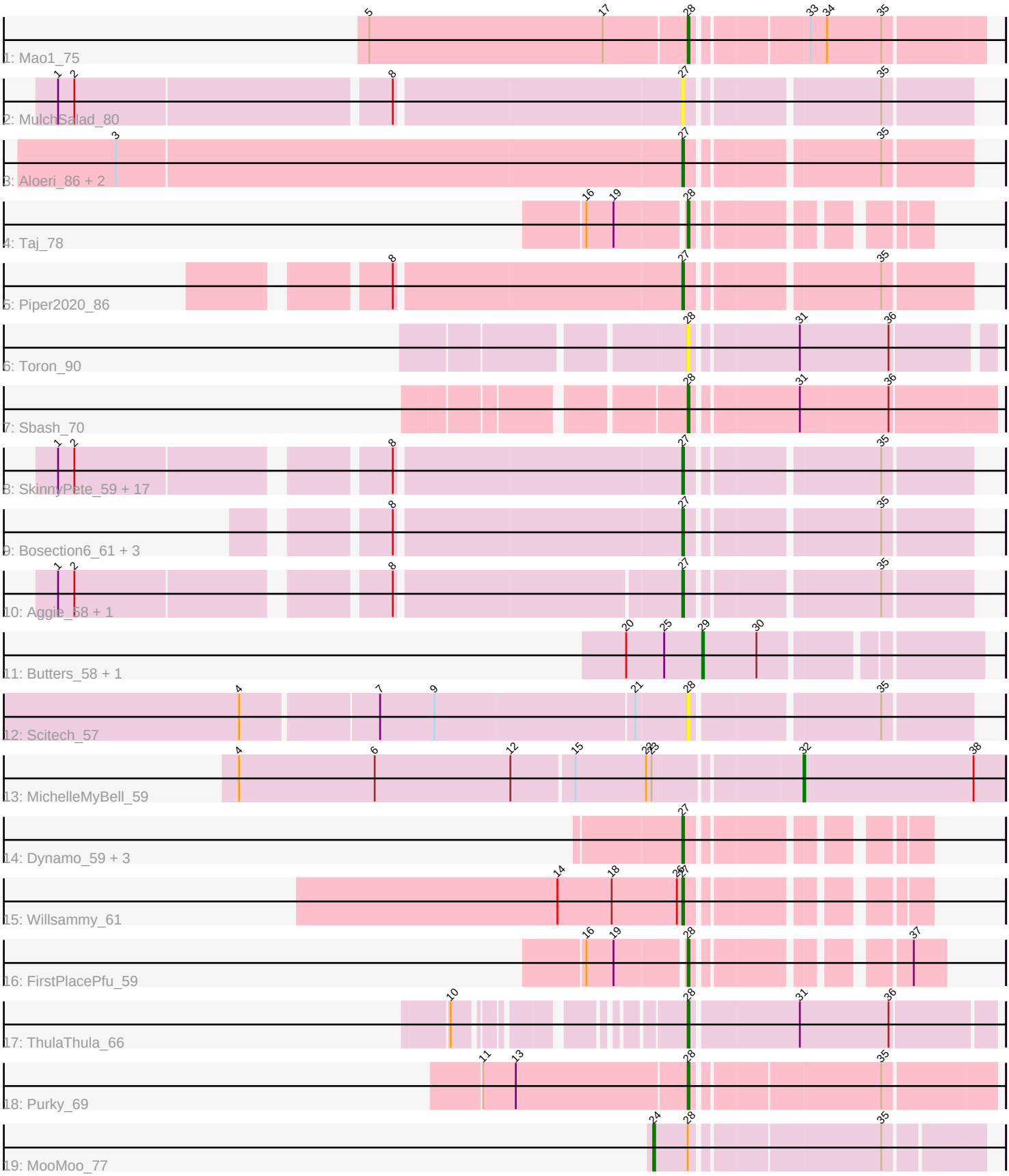
Pham 200312


1: Mao1_75
2: MulchSalad_80
3: Aloeri_86 + 2
4: Taj_78
5: Piper2020_86
6: Toron_90
7: Sbash_70
8: SkinnyPete_59 + 17
9: Bosection6_61 + 3
10: Aggie_58 + 1
11: Butters_58 + 1
12: Scitech_57
13: MichelleMyBell_59
14: Dynamo_59 + 3
15: Willsammy_61
16: FirstPlacePfu_59
17: ThulaThula_66
18: Purky_69
19: MooMoo_77

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 200312 Report

This analysis was run 01/18/25 on database version 583.

Pham number 200312 has 46 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Mao1_75
• Track 2 : MulchSalad_80
• Track 3 : Aloeri_86, ChickenDinner_86, DocMcStuffins_80
• Track 4 : Taj_78
• Track 5 : Piper2020_86
• Track 6 : Toron_90
• Track 7 : Sbash_70
• Track 8 : SkinnyPete_59, Melville_67, FirstPlacePfu_64, Chewbacca_65, Schnauzer_63, Pipsqueaks_63, Philonius_62, Smurph_62, Silvafighter_64, Phloss_60, Xerxes_62, EGUnicorn_60, Fulbright_60, Duplicity_60, Carcharodon_62, Parmesanjohn_62, Magsby_61, Gex_63
• Track 9 : Bosection6_61, Charlie_59, Tapioca_60, Andies_56
• Track 10 : Aggie_58, Silvy_58
• Track 11 : Butters_58, Rubeelu_58
• Track 12 : Scitech_57
• Track 13 : MichelleMyBell_59
• Track 14 : Dynamo_59, Sonah_60, HUHilltop_62, Jebeks_60
• Track 15 : Willsammy_61
• Track 16 : FirstPlacePfu_59
• Track 17 : ThulaThula_66
• Track 18 : Purky_69
• Track 19 : MooMoo_77

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 29 of the 39 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aggie_58, Aloeri_86, Andies_56, Bosection6_61, Carcharodon_62, Charlie_59, Chewbacca_65, ChickenDinner_86, DocMcStuffins_80, Duplicity_60, Dynamo_59, EGUnicorn_60, FirstPlacePfu_64, Fulbright_60, Gex_63, HUHilltop_62, Jebeks_60, Magsby_61, Melville_67, MulchSalad_80, Parmesanjohn_62, Philonius_62, Phloss_60, Piper2020_86, Pipsqueaks_63, Schnauzer_63, Silvafighter_64, Silvy_58,

SkinnyPete_59, Smurph_62, Sonah_60, Tapioca_60, Willsammy_61, Xerxes_62,

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

Genes that do not have the "Most Annotated" start:
• Butters_58, FirstPlacePfu_59, Mao1_75, MichelleMyBell_59, MooMoo_77, Purky_69, Rubeelu_58, Sbash_70, Scitech_57, Taj_78, ThulaThula_66, Toron_90,

Summary by start number:

Start 24:
• Found in 1 of 46 (2.2%) of genes in pham
• Manual Annotations of this start: 1 of 39
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MooMoo_77 (singleton),

Start 27:
• Found in 34 of 46 (73.9%) of genes in pham
• Manual Annotations of this start: 29 of 39
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aggie_58 (N), Aloeri_86 (F1), Andies_56 (N), Bosection6_61 (N), Carcharodon_62 (N), Charlie_59 (N), Chewbacca_65 (N), ChickenDinner_86 (F1), DocMcStuffins_80 (F1), Duplicity_60 (N), Dynamo_59 (P1), EGUnicorn_60 (N), FirstPlacePfu_64 (P1), Fulbright_60 (N), Gex_63 (N), HUHilltop_62 (P1), Jebeks_60 (P1), Magsby_61 (N), Melville_67 (N), MulchSalad_80 (F), Parmesanjohn_62 (N), Philonius_62 (N), Phloss_60 (N), Piper2020_86 (F1), Pipsqueaks_63 (N), Schnauzer_63 (N), Silvafighter_64 (N), Silvy_58 (N), SkinnyPete_59 (N), Smurph_62 (N), Sonah_60 (P1), Tapioca_60 (N), Willsammy_61 (P1), Xerxes_62 (N),

Start 28:
• Found in 9 of 46 (19.6%) of genes in pham
• Manual Annotations of this start: 6 of 39
• Called 88.9% of time when present
• Phage (with cluster) where this start called: FirstPlacePfu_59 (P1), Mao1_75 (AD), Purky_69 (P6), Sbash_70 (I2), Scitech_57 (N), Taj_78 (F1), ThulaThula_66 (P5), Toron_90 (F6),

Start 29:
• Found in 2 of 46 (4.3%) of genes in pham
• Manual Annotations of this start: 2 of 39
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Butters_58 (N), Rubeelu_58 (N),

Start 32:
• Found in 1 of 46 (2.2%) of genes in pham
• Manual Annotations of this start: 1 of 39
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MichelleMyBell_59 (N),

Summary by clusters:

There are 10 clusters represented in this pham: F1, singleton, P1, P6, AD, F6, P5, F, N, I2,

Info for manual annotations of cluster AD:
•Start number 28 was manually annotated 1 time for cluster AD.

Info for manual annotations of cluster F1:
•Start number 27 was manually annotated 2 times for cluster F1.
•Start number 28 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster I2:
•Start number 28 was manually annotated 1 time for cluster I2.

Info for manual annotations of cluster N:
•Start number 27 was manually annotated 21 times for cluster N.
•Start number 29 was manually annotated 2 times for cluster N.
•Start number 32 was manually annotated 1 time for cluster N.

Info for manual annotations of cluster P1:
•Start number 27 was manually annotated 6 times for cluster P1.
•Start number 28 was manually annotated 1 time for cluster P1.

Info for manual annotations of cluster P5:
•Start number 28 was manually annotated 1 time for cluster P5.

Info for manual annotations of cluster P6:
•Start number 28 was manually annotated 1 time for cluster P6.

Gene Information:

Gene: Aggie_58 Start: 39856, Stop: 39999, Start Num: 27
Candidate Starts for Aggie_58:
(1, 39541), (2, 39550), (8, 39706), (Start: 27 @39856 has 29 MA's), (35, 39952),

Gene: Aloeri_86 Start: 50246, Stop: 50389, Start Num: 27
Candidate Starts for Aloeri_86:
(3, 49937), (Start: 27 @50246 has 29 MA's), (35, 50342),

Gene: Andies_56 Start: 39301, Stop: 39444, Start Num: 27
Candidate Starts for Andies_56:
(8, 39148), (Start: 27 @39301 has 29 MA's), (35, 39397),

Gene: Bosection6_61 Start: 38905, Stop: 39048, Start Num: 27
Candidate Starts for Bosection6_61:
(8, 38752), (Start: 27 @38905 has 29 MA's), (35, 39001),

Gene: Butters_58 Start: 37292, Stop: 37432, Start Num: 29
Candidate Starts for Butters_58:
(20, 37250), (25, 37271), (Start: 29 @37292 has 2 MA's), (30, 37322),

Gene: Carcharodon_62 Start: 39203, Stop: 39346, Start Num: 27
Candidate Starts for Carcharodon_62:
(1, 38885), (2, 38894), (8, 39050), (Start: 27 @39203 has 29 MA's), (35, 39299),

Gene: Charlie_59 Start: 38529, Stop: 38672, Start Num: 27
Candidate Starts for Charlie_59:
(8, 38376), (Start: 27 @38529 has 29 MA's), (35, 38625),

Gene: Chewbacca_65 Start: 39098, Stop: 39241, Start Num: 27
Candidate Starts for Chewbacca_65:
(1, 38780), (2, 38789), (8, 38945), (Start: 27 @39098 has 29 MA's), (35, 39194),

Gene: ChickenDinner_86 Start: 50246, Stop: 50389, Start Num: 27
Candidate Starts for ChickenDinner_86:
(3, 49937), (Start: 27 @50246 has 29 MA's), (35, 50342),

Gene: DocMcStuffins_80 Start: 51876, Stop: 52019, Start Num: 27
Candidate Starts for DocMcStuffins_80:
(3, 51567), (Start: 27 @51876 has 29 MA's), (35, 51972),

Gene: Duplicity_60 Start: 38460, Stop: 38603, Start Num: 27
Candidate Starts for Duplicity_60:
(1, 38142), (2, 38151), (8, 38307), (Start: 27 @38460 has 29 MA's), (35, 38556),

Gene: Dynamo_59 Start: 39180, Stop: 39284, Start Num: 27
Candidate Starts for Dynamo_59:
(Start: 27 @39180 has 29 MA's),

Gene: EGUnicorn_60 Start: 37526, Stop: 37669, Start Num: 27
Candidate Starts for EGUnicorn_60:
(1, 37208), (2, 37217), (8, 37373), (Start: 27 @37526 has 29 MA's), (35, 37622),

Gene: FirstPlacePfu_64 Start: 39003, Stop: 39146, Start Num: 27
Candidate Starts for FirstPlacePfu_64:
(1, 38685), (2, 38694), (8, 38850), (Start: 27 @39003 has 29 MA's), (35, 39099),

Gene: FirstPlacePfu_59 Start: 37654, Stop: 37764, Start Num: 28
Candidate Starts for FirstPlacePfu_59:
(16, 37603), (19, 37618), (Start: 28 @37654 has 6 MA's), (37, 37747),

Gene: Fulbright_60 Start: 37897, Stop: 38040, Start Num: 27
Candidate Starts for Fulbright_60:
(1, 37579), (2, 37588), (8, 37744), (Start: 27 @37897 has 29 MA's), (35, 37993),

Gene: Gex_63 Start: 39219, Stop: 39362, Start Num: 27
Candidate Starts for Gex_63:
(1, 38901), (2, 38910), (8, 39066), (Start: 27 @39219 has 29 MA's), (35, 39315),

Gene: HUHilltop_62 Start: 39403, Stop: 39507, Start Num: 27
Candidate Starts for HUHilltop_62:
(Start: 27 @39403 has 29 MA's),

Gene: Jebeks_60 Start: 38700, Stop: 38804, Start Num: 27
Candidate Starts for Jebeks_60:
(Start: 27 @38700 has 29 MA's),

Gene: Magsby_61 Start: 39165, Stop: 39308, Start Num: 27
Candidate Starts for Magsby_61:
(1, 38847), (2, 38856), (8, 39012), (Start: 27 @39165 has 29 MA's), (35, 39261),

Gene: Mao1_75 Start: 54531, Stop: 54680, Start Num: 28
Candidate Starts for Mao1_75:
(5, 54357), (17, 54486), (Start: 28 @54531 has 6 MA's), (33, 54588), (34, 54597), (35, 54627),

Gene: Melville_67 Start: 38774, Stop: 38917, Start Num: 27
Candidate Starts for Melville_67:
(1, 38456), (2, 38465), (8, 38621), (Start: 27 @38774 has 29 MA's), (35, 38870),

Gene: MichelleMyBell_59 Start: 37278, Stop: 37388, Start Num: 32
Candidate Starts for MichelleMyBell_59:
(4, 36978), (6, 37053), (12, 37128), (15, 37161), (22, 37200), (23, 37203), (Start: 32 @37278 has 1 MA's), (38, 37371),

Gene: MooMoo_77 Start: 47555, Stop: 47719, Start Num: 24
Candidate Starts for MooMoo_77:
(Start: 24 @47555 has 1 MA's), (Start: 28 @47573 has 6 MA's), (35, 47669),

Gene: MulchSalad_80 Start: 48222, Stop: 48365, Start Num: 27
Candidate Starts for MulchSalad_80:
(1, 47892), (2, 47901), (8, 48069), (Start: 27 @48222 has 29 MA's), (35, 48318),

Gene: Parmesanjohn_62 Start: 39223, Stop: 39366, Start Num: 27
Candidate Starts for Parmesanjohn_62:
(1, 38905), (2, 38914), (8, 39070), (Start: 27 @39223 has 29 MA's), (35, 39319),

Gene: Philonius_62 Start: 39388, Stop: 39531, Start Num: 27
Candidate Starts for Philonius_62:
(1, 39070), (2, 39079), (8, 39235), (Start: 27 @39388 has 29 MA's), (35, 39484),

Gene: Phloss_60 Start: 38630, Stop: 38773, Start Num: 27
Candidate Starts for Phloss_60:
(1, 38312), (2, 38321), (8, 38477), (Start: 27 @38630 has 29 MA's), (35, 38726),

Gene: Piper2020_86 Start: 51987, Stop: 52130, Start Num: 27
Candidate Starts for Piper2020_86:
(8, 51834), (Start: 27 @51987 has 29 MA's), (35, 52083),

Gene: Pipsqueaks_63 Start: 39201, Stop: 39344, Start Num: 27
Candidate Starts for Pipsqueaks_63:
(1, 38883), (2, 38892), (8, 39048), (Start: 27 @39201 has 29 MA's), (35, 39297),

Gene: Purky_69 Start: 44331, Stop: 44486, Start Num: 28
Candidate Starts for Purky_69:
(11, 44220), (13, 44238), (Start: 28 @44331 has 6 MA's), (35, 44427),

Gene: Rubeelu_58 Start: 37292, Stop: 37432, Start Num: 29
Candidate Starts for Rubeelu_58:
(20, 37250), (25, 37271), (Start: 29 @37292 has 2 MA's), (30, 37322),

Gene: Sbash_70 Start: 46782, Stop: 46940, Start Num: 28
Candidate Starts for Sbash_70:
(Start: 28 @46782 has 6 MA's), (31, 46836), (36, 46884),

Gene: Schnauzer_63 Start: 39223, Stop: 39366, Start Num: 27
Candidate Starts for Schnauzer_63:
(1, 38905), (2, 38914), (8, 39070), (Start: 27 @39223 has 29 MA's), (35, 39319),

Gene: Scitech_57 Start: 38626, Stop: 38769, Start Num: 28
Candidate Starts for Scitech_57:
(4, 38389), (7, 38461), (9, 38491), (21, 38599), (Start: 28 @38626 has 6 MA's), (35, 38722),

Gene: Silvafighter_64 Start: 38766, Stop: 38909, Start Num: 27
Candidate Starts for Silvafighter_64:
(1, 38448), (2, 38457), (8, 38613), (Start: 27 @38766 has 29 MA's), (35, 38862),

Gene: Silvy_58 Start: 39856, Stop: 39999, Start Num: 27
Candidate Starts for Silvy_58:
(1, 39541), (2, 39550), (8, 39706), (Start: 27 @39856 has 29 MA's), (35, 39952),

Gene: SkinnyPete_59 Start: 38970, Stop: 39113, Start Num: 27
Candidate Starts for SkinnyPete_59:
(1, 38652), (2, 38661), (8, 38817), (Start: 27 @38970 has 29 MA's), (35, 39066),

Gene: Smurph_62 Start: 39223, Stop: 39366, Start Num: 27
Candidate Starts for Smurph_62:
(1, 38905), (2, 38914), (8, 39070), (Start: 27 @39223 has 29 MA's), (35, 39319),

Gene: Sonah_60 Start: 38874, Stop: 38978, Start Num: 27
Candidate Starts for Sonah_60:
(Start: 27 @38874 has 29 MA's),

Gene: Taj_78 Start: 46564, Stop: 46665, Start Num: 28
Candidate Starts for Taj_78:
(16, 46513), (19, 46528), (Start: 28 @46564 has 6 MA's),

Gene: Tapioca_60 Start: 39740, Stop: 39883, Start Num: 27
Candidate Starts for Tapioca_60:
(8, 39587), (Start: 27 @39740 has 29 MA's), (35, 39836),

Gene: ThulaThula_66 Start: 44182, Stop: 44340, Start Num: 28
Candidate Starts for ThulaThula_66:
(10, 44086), (Start: 28 @44182 has 6 MA's), (31, 44239), (36, 44287),

Gene: Toron_90 Start: 52849, Stop: 53001, Start Num: 28
Candidate Starts for Toron_90:
(Start: 28 @52849 has 6 MA's), (31, 52903), (36, 52951),

Gene: Willsammy_61 Start: 41085, Stop: 41189, Start Num: 27

Candidate Starts for Willsammy_61:
(14, 41016), (18, 41046), (26, 41082), (Start: 27 @41085 has 29 MA's),

Gene: Xerxes_62 Start: 39220, Stop: 39363, Start Num: 27
Candidate Starts for Xerxes_62:
(1, 38902), (2, 38911), (8, 39067), (Start: 27 @39220 has 29 MA's), (35, 39316),