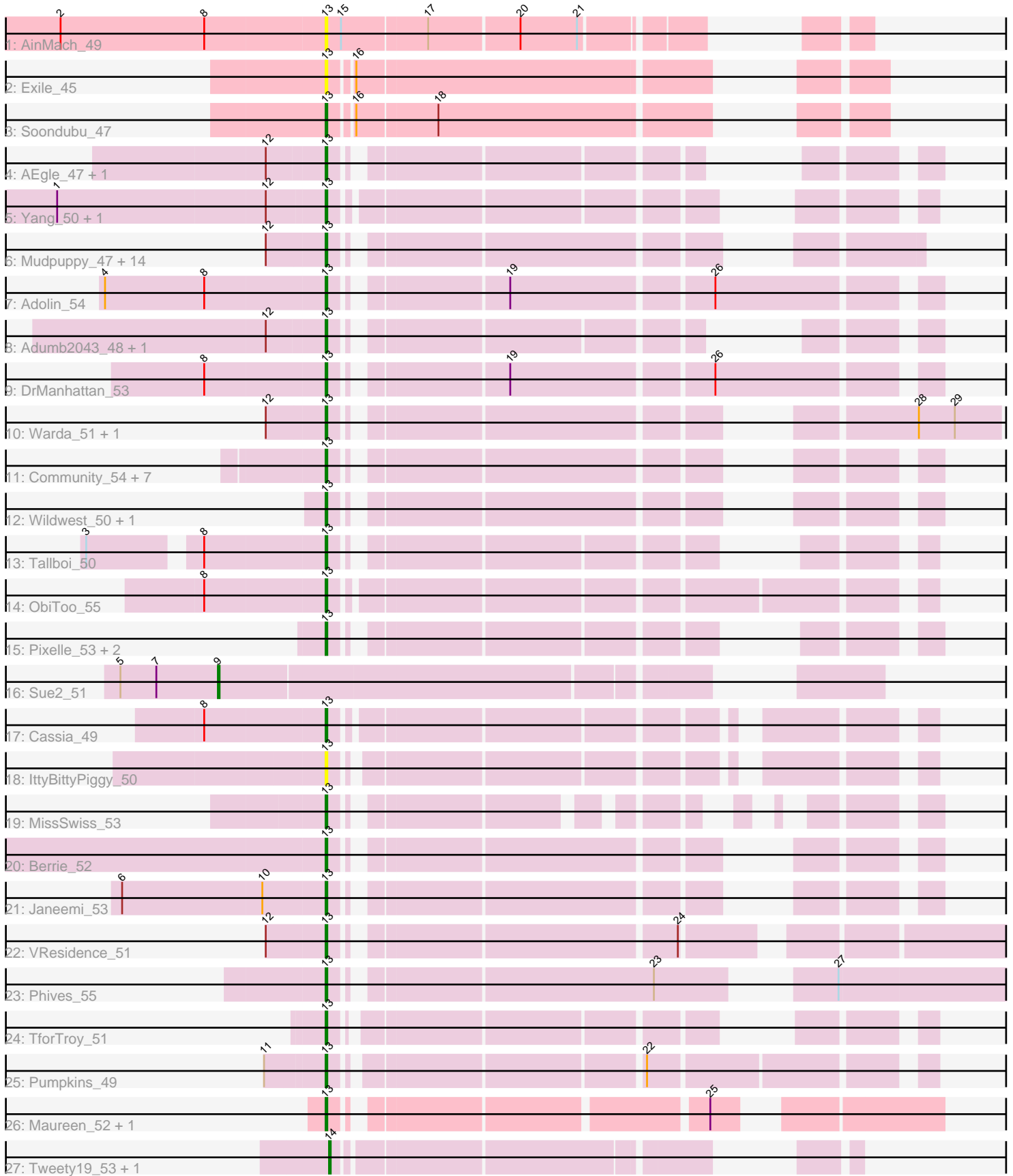


Pham 194043



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 194043 Report

This analysis was run 11/02/24 on database version 579.

Pham number 194043 has 57 members, 10 are drafts.

Phages represented in each track:

- Track 1 : AinMach_49
- Track 2 : Exile_45
- Track 3 : Soondubu_47
- Track 4 : AEgle_47, Nitro_52
- Track 5 : Yang_50, JuneStar_52
- Track 6 : Mudpuppy_47, Lego_50, AGrandiflora_53, Joemato_51, Iter_52, Lizalica_50, YesChef_51, Cyan_51, Simpson_53, Tutumahutu_52, Reedo_50, Kaylissa_52, Ascela_52, Powerpuff_53, JohnDoe_51
- Track 7 : Adolin_54
- Track 8 : Adumb2043_48, Turab_48
- Track 9 : DrManhattan_53
- Track 10 : Warda_51, Tbone_51
- Track 11 : Community_54, Niobe_49, Eraser_49, Jstan_51, London_49, Tuck_54, Asa16_49, Elezi_49
- Track 12 : Wildwest_50, DrSierra_49
- Track 13 : Tallboi_50
- Track 14 : ObiToo_55
- Track 15 : Pixelle_53, Tian_51, Amyev_52
- Track 16 : Sue2_51
- Track 17 : Cassia_49
- Track 18 : IttyBittyPiggy_50
- Track 19 : MissSwiss_53
- Track 20 : Berrie_52
- Track 21 : Janeemi_53
- Track 22 : VResidence_51
- Track 23 : Phives_55
- Track 24 : TforTroy_51
- Track 25 : Pumpkins_49
- Track 26 : Maureen_52, Liebe_52
- Track 27 : Tweety19_53, Sneak_52

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

The start number called the most often in the published annotations is 13, it was called in 44 of the 47 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AEgle_47, AGrandiflora_53, Adolin_54, Adumb2043_48, AinMach_49, Amyev_52, Asa16_49, Ascela_52, Berrie_52, Cassia_49, Community_54, Cyan_51, DrManhattan_53, DrSierra_49, Elezi_49, Eraser_49, Exile_45, Iter_52, IttyBittyPiggy_50, Janeemi_53, Joemato_51, JohnDoe_51, Jstan_51, JuneStar_52, Kaylissa_52, Lego_50, Liebe_52, Lizalica_50, London_49, Maureen_52, MissSwiss_53, Mudpuppy_47, Niobe_49, Nitro_52, ObiToo_55, Phives_55, Pixelle_53, Powerpuff_53, Pumpkins_49, Reedo_50, Simpson_53, Soondubu_47, Tallboi_50, Tbone_51, TforTroy_51, Tian_51, Tuck_54, Turab_48, Tutumahutu_52, VResidence_51, Warda_51, Wildwest_50, Yang_50, YesChef_51,

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

-

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

- Snek_52, Sue2_51, Tweety19_53,

Summary by start number:

Start 9:

- Found in 1 of 57 (1.8%) of genes in pham
- Manual Annotations of this start: 1 of 47
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sue2_51 (AZ1),

Start 13:

- Found in 54 of 57 (94.7%) of genes in pham
- Manual Annotations of this start: 44 of 47
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AEgle_47 (AZ1), AGrandiflora_53 (AZ1), Adolin_54 (AZ1), Adumb2043_48 (AZ1), AinMach_49 (AZ), Amyev_52 (AZ1), Asa16_49 (AZ1), Ascela_52 (AZ1), Berrie_52 (AZ1), Cassia_49 (AZ1), Community_54 (AZ1), Cyan_51 (AZ1), DrManhattan_53 (AZ1), DrSierra_49 (AZ1), Elezi_49 (AZ1), Eraser_49 (AZ1), Exile_45 (AZ), Iter_52 (AZ1), IttyBittyPiggy_50 (AZ1), Janeemi_53 (AZ1), Joemato_51 (AZ1), JohnDoe_51 (AZ1), Jstan_51 (AZ1), JuneStar_52 (AZ1), Kaylissa_52 (AZ1), Lego_50 (AZ1), Liebe_52 (AZ2), Lizalica_50 (AZ1), London_49 (AZ1), Maureen_52 (AZ2), MissSwiss_53 (AZ1), Mudpuppy_47 (AZ1), Niobe_49 (AZ1), Nitro_52 (AZ1), ObiToo_55 (AZ1), Phives_55 (AZ1), Pixelle_53 (AZ1), Powerpuff_53 (AZ1), Pumpkins_49 (AZ1), Reedo_50 (AZ1), Simpson_53 (AZ1), Soondubu_47 (AZ), Tallboi_50 (AZ1), Tbone_51 (AZ1), TforTroy_51 (AZ1), Tian_51 (AZ1), Tuck_54 (AZ1), Turab_48 (AZ1), Tutumahutu_52 (AZ1), VResidence_51 (AZ1), Warda_51 (AZ1), Wildwest_50 (AZ1), Yang_50 (AZ1), YesChef_51 (AZ1),

Start 14:

- Found in 2 of 57 (3.5%) of genes in pham
- Manual Annotations of this start: 2 of 47
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Snek_52 (AZ3), Tweety19_53 (AZ3),

Summary by clusters:

There are 4 clusters represented in this pham: AZ1, AZ2, AZ3, AZ,

Info for manual annotations of cluster AZ:

- Start number 13 was manually annotated 1 time for cluster AZ.

Info for manual annotations of cluster AZ1:

- Start number 9 was manually annotated 1 time for cluster AZ1.
- Start number 13 was manually annotated 41 times for cluster AZ1.

Info for manual annotations of cluster AZ2:

- Start number 13 was manually annotated 2 times for cluster AZ2.

Info for manual annotations of cluster AZ3:

- Start number 14 was manually annotated 2 times for cluster AZ3.

Gene Information:

Gene: AEgle_47 Start: 36062, Stop: 36316, Start Num: 13

Candidate Starts for AEgle_47:

(12, 36029), (Start: 13 @36062 has 44 MA's),

Gene: AGrandiflora_53 Start: 37369, Stop: 37653, Start Num: 13

Candidate Starts for AGrandiflora_53:

(12, 37336), (Start: 13 @37369 has 44 MA's),

Gene: Adolin_54 Start: 36438, Stop: 36752, Start Num: 13

Candidate Starts for Adolin_54:

(4, 36312), (8, 36369), (Start: 13 @36438 has 44 MA's), (19, 36525), (26, 36636),

Gene: Adumb2043_48 Start: 36083, Stop: 36337, Start Num: 13

Candidate Starts for Adumb2043_48:

(12, 36050), (Start: 13 @36083 has 44 MA's),

Gene: AinMach_49 Start: 36352, Stop: 36591, Start Num: 13

Candidate Starts for AinMach_49:

(2, 36199), (8, 36283), (Start: 13 @36352 has 44 MA's), (15, 36361), (17, 36409), (20, 36460), (21, 36493),

Gene: Amyev_52 Start: 39535, Stop: 39798, Start Num: 13

Candidate Starts for Amyev_52:

(Start: 13 @39535 has 44 MA's),

Gene: Asa16_49 Start: 37619, Stop: 37879, Start Num: 13

Candidate Starts for Asa16_49:

(Start: 13 @37619 has 44 MA's),

Gene: Ascela_52 Start: 37685, Stop: 37954, Start Num: 13

Candidate Starts for Ascela_52:

(12, 37652), (Start: 13 @37685 has 44 MA's),

Gene: Berrie_52 Start: 37779, Stop: 38051, Start Num: 13
Candidate Starts for Berrie_52:
(Start: 13 @37779 has 44 MA's),

Gene: Cassia_49 Start: 36777, Stop: 37070, Start Num: 13
Candidate Starts for Cassia_49:
(8, 36708), (Start: 13 @36777 has 44 MA's),

Gene: Community_54 Start: 39171, Stop: 39443, Start Num: 13
Candidate Starts for Community_54:
(Start: 13 @39171 has 44 MA's),

Gene: Cyan_51 Start: 36938, Stop: 37210, Start Num: 13
Candidate Starts for Cyan_51:
(12, 36905), (Start: 13 @36938 has 44 MA's),

Gene: DrManhattan_53 Start: 36006, Stop: 36320, Start Num: 13
Candidate Starts for DrManhattan_53:
(8, 35937), (Start: 13 @36006 has 44 MA's), (19, 36093), (26, 36204),

Gene: DrSierra_49 Start: 35765, Stop: 36037, Start Num: 13
Candidate Starts for DrSierra_49:
(Start: 13 @35765 has 44 MA's),

Gene: Elezi_49 Start: 37617, Stop: 37877, Start Num: 13
Candidate Starts for Elezi_49:
(Start: 13 @37617 has 44 MA's),

Gene: Eraser_49 Start: 37626, Stop: 37886, Start Num: 13
Candidate Starts for Eraser_49:
(Start: 13 @37626 has 44 MA's),

Gene: Exile_45 Start: 38999, Stop: 39256, Start Num: 13
Candidate Starts for Exile_45:
(Start: 13 @38999 has 44 MA's), (16, 39011),

Gene: Iter_52 Start: 37677, Stop: 37946, Start Num: 13
Candidate Starts for Iter_52:
(12, 37644), (Start: 13 @37677 has 44 MA's),

Gene: IttyBittyPiggy_50 Start: 36368, Stop: 36658, Start Num: 13
Candidate Starts for IttyBittyPiggy_50:
(Start: 13 @36368 has 44 MA's),

Gene: Janeemi_53 Start: 38635, Stop: 38907, Start Num: 13
Candidate Starts for Janeemi_53:
(6, 38518), (10, 38599), (Start: 13 @38635 has 44 MA's),

Gene: Joemato_51 Start: 37006, Stop: 37290, Start Num: 13
Candidate Starts for Joemato_51:
(12, 36973), (Start: 13 @37006 has 44 MA's),

Gene: JohnDoe_51 Start: 37002, Stop: 37274, Start Num: 13
Candidate Starts for JohnDoe_51:
(12, 36969), (Start: 13 @37002 has 44 MA's),

Gene: Jstan_51 Start: 37621, Stop: 37881, Start Num: 13
Candidate Starts for Jstan_51:
(Start: 13 @37621 has 44 MA's),

Gene: JuneStar_52 Start: 39731, Stop: 40000, Start Num: 13
Candidate Starts for JuneStar_52:
(1, 39578), (12, 39698), (Start: 13 @39731 has 44 MA's),

Gene: Kaylissa_52 Start: 37385, Stop: 37669, Start Num: 13
Candidate Starts for Kaylissa_52:
(12, 37352), (Start: 13 @37385 has 44 MA's),

Gene: Lego_50 Start: 36705, Stop: 36989, Start Num: 13
Candidate Starts for Lego_50:
(12, 36672), (Start: 13 @36705 has 44 MA's),

Gene: Liebe_52 Start: 39105, Stop: 39404, Start Num: 13
Candidate Starts for Liebe_52:
(Start: 13 @39105 has 44 MA's), (25, 39297),

Gene: Lizalica_50 Start: 36462, Stop: 36734, Start Num: 13
Candidate Starts for Lizalica_50:
(12, 36429), (Start: 13 @36462 has 44 MA's),

Gene: London_49 Start: 37617, Stop: 37877, Start Num: 13
Candidate Starts for London_49:
(Start: 13 @37617 has 44 MA's),

Gene: Maureen_52 Start: 39104, Stop: 39403, Start Num: 13
Candidate Starts for Maureen_52:
(Start: 13 @39104 has 44 MA's), (25, 39296),

Gene: MissSwiss_53 Start: 36235, Stop: 36483, Start Num: 13
Candidate Starts for MissSwiss_53:
(Start: 13 @36235 has 44 MA's),

Gene: Mudpuppy_47 Start: 36646, Stop: 36918, Start Num: 13
Candidate Starts for Mudpuppy_47:
(12, 36613), (Start: 13 @36646 has 44 MA's),

Gene: Niobe_49 Start: 37620, Stop: 37880, Start Num: 13
Candidate Starts for Niobe_49:
(Start: 13 @37620 has 44 MA's),

Gene: Nitro_52 Start: 38740, Stop: 38985, Start Num: 13
Candidate Starts for Nitro_52:
(12, 38707), (Start: 13 @38740 has 44 MA's),

Gene: ObiToo_55 Start: 37917, Stop: 38228, Start Num: 13

Candidate Starts for ObiToo_55:
(8, 37848), (Start: 13 @37917 has 44 MA's),

Gene: Phives_55 Start: 39196, Stop: 39561, Start Num: 13
Candidate Starts for Phives_55:
(Start: 13 @39196 has 44 MA's), (23, 39367), (27, 39436),

Gene: Pixelle_53 Start: 39880, Stop: 40143, Start Num: 13
Candidate Starts for Pixelle_53:
(Start: 13 @39880 has 44 MA's),

Gene: Powerpuff_53 Start: 38092, Stop: 38376, Start Num: 13
Candidate Starts for Powerpuff_53:
(12, 38059), (Start: 13 @38092 has 44 MA's),

Gene: Pumpkins_49 Start: 37435, Stop: 37743, Start Num: 13
Candidate Starts for Pumpkins_49:
(11, 37402), (Start: 13 @37435 has 44 MA's), (22, 37597),

Gene: Reedo_50 Start: 35488, Stop: 35727, Start Num: 13
Candidate Starts for Reedo_50:
(12, 35455), (Start: 13 @35488 has 44 MA's),

Gene: Simpson_53 Start: 37010, Stop: 37294, Start Num: 13
Candidate Starts for Simpson_53:
(12, 36977), (Start: 13 @37010 has 44 MA's),

Gene: Snek_52 Start: 36382, Stop: 36615, Start Num: 14
Candidate Starts for Snek_52:
(Start: 14 @36382 has 2 MA's),

Gene: Soondubu_47 Start: 39482, Stop: 39739, Start Num: 13
Candidate Starts for Soondubu_47:
(Start: 13 @39482 has 44 MA's), (16, 39494), (18, 39539),

Gene: Sue2_51 Start: 36740, Stop: 37063, Start Num: 9
Candidate Starts for Sue2_51:
(5, 36683), (7, 36704), (Start: 9 @36740 has 1 MA's),

Gene: Tallboi_50 Start: 37975, Stop: 38235, Start Num: 13
Candidate Starts for Tallboi_50:
(3, 37849), (8, 37906), (Start: 13 @37975 has 44 MA's),

Gene: Tbone_51 Start: 37543, Stop: 37860, Start Num: 13
Candidate Starts for Tbone_51:
(12, 37510), (Start: 13 @37543 has 44 MA's), (28, 37813), (29, 37834),

Gene: TforTroy_51 Start: 37334, Stop: 37600, Start Num: 13
Candidate Starts for TforTroy_51:
(Start: 13 @37334 has 44 MA's),

Gene: Tian_51 Start: 39535, Stop: 39798, Start Num: 13
Candidate Starts for Tian_51:

(Start: 13 @39535 has 44 MA's),

Gene: Tuck_54 Start: 39079, Stop: 39351, Start Num: 13

Candidate Starts for Tuck_54:

(Start: 13 @39079 has 44 MA's),

Gene: Turab_48 Start: 36106, Stop: 36360, Start Num: 13

Candidate Starts for Turab_48:

(12, 36073), (Start: 13 @36106 has 44 MA's),

Gene: Tutumahutu_52 Start: 36975, Stop: 37247, Start Num: 13

Candidate Starts for Tutumahutu_52:

(12, 36942), (Start: 13 @36975 has 44 MA's),

Gene: Tweety19_53 Start: 36382, Stop: 36615, Start Num: 14

Candidate Starts for Tweety19_53:

(Start: 14 @36382 has 2 MA's),

Gene: VResidence_51 Start: 36422, Stop: 36793, Start Num: 13

Candidate Starts for VResidence_51:

(12, 36389), (Start: 13 @36422 has 44 MA's), (24, 36602),

Gene: Warda_51 Start: 37041, Stop: 37358, Start Num: 13

Candidate Starts for Warda_51:

(12, 37008), (Start: 13 @37041 has 44 MA's), (28, 37311), (29, 37332),

Gene: Wildwest_50 Start: 37020, Stop: 37292, Start Num: 13

Candidate Starts for Wildwest_50:

(Start: 13 @37020 has 44 MA's),

Gene: Yang_50 Start: 37140, Stop: 37409, Start Num: 13

Candidate Starts for Yang_50:

(1, 36987), (12, 37107), (Start: 13 @37140 has 44 MA's),

Gene: YesChef_51 Start: 36951, Stop: 37235, Start Num: 13

Candidate Starts for YesChef_51:

(12, 36918), (Start: 13 @36951 has 44 MA's),