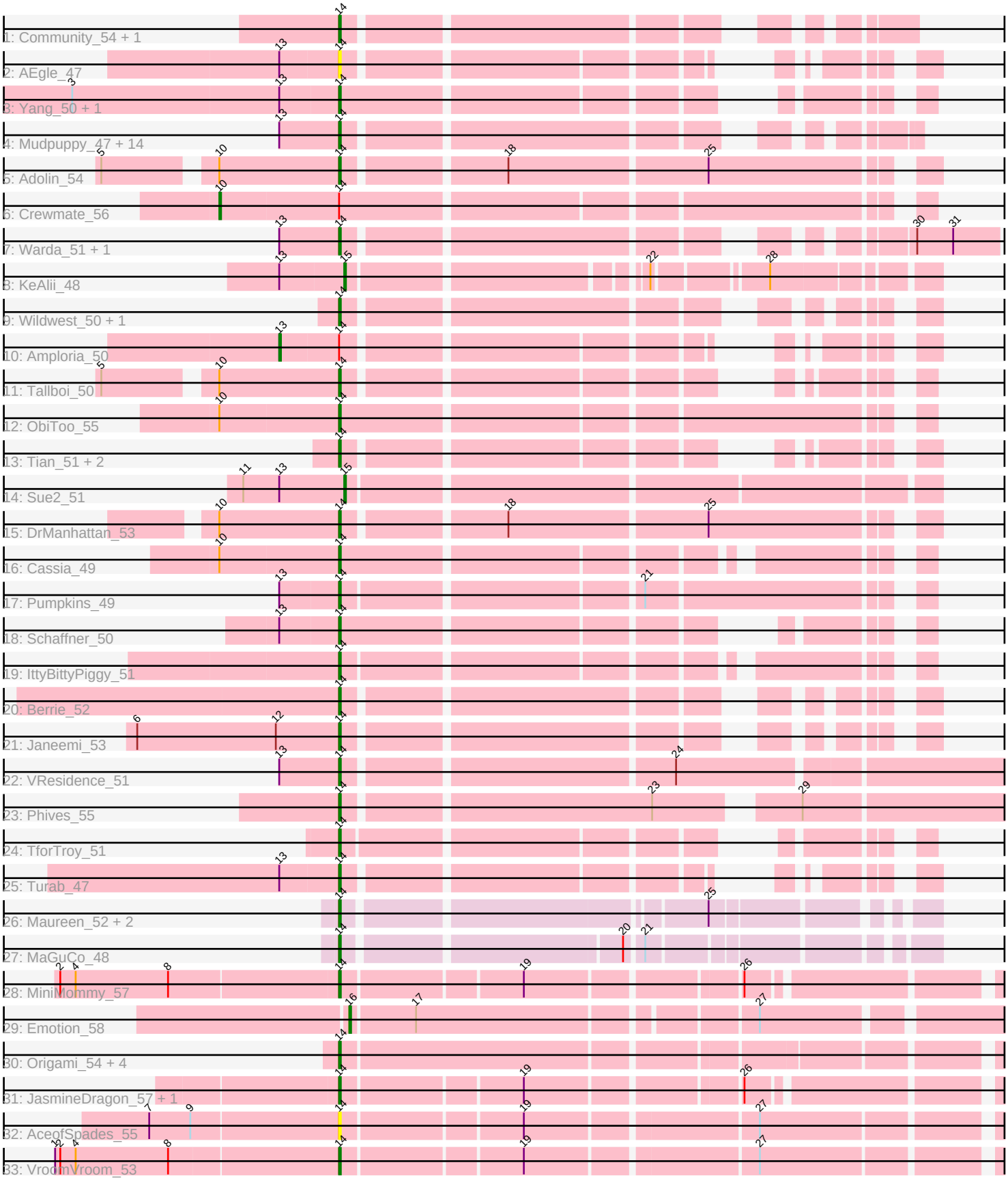
Pham 344024


1: Community_54 + 1
2: AEgle_47
3: Yang_50 + 1
4: Mudpuppy_47 + 14
5: Adolin_54
6: Crewmate_56
7: Warda_51 + 1
8: KeAlii_48
9: Wildwest_50 + 1
10: Amploria_50
11: Tallboi_50
12: ObiToo_55
13: Tian_51 + 2
14: Sue2_51
15: DrManhattan_53
16: Cassia_49
17: Pumpkins_49
18: Schaffner_50
19: IttyBittyPiggy_51
20: Berrie_52
21: Janeemi_53
22: VResidence_51
23: Phives_55
24: TforTroy_51
25: Turab_47
26: Maureen_52 + 2
27: MaGuCo_48
28: MiniMommy_57
29: Emotion_58
30: Origami_54 + 4
31: JasmineDragon_57 + 1
32: AceofSpades_55
33: VroomVroom_53

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 344024 Report

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

Pham number 344024 has 60 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Community_54, Tuck_54
• Track 2 : AEgle_47
• Track 3 : Yang_50, JuneStar_52
• Track 4 : Mudpuppy_47, Lego_50, AGrandiflora_53, Joemato_51, Iter_52, Flutur_50, Cyan_51, Ascela_52, Lizalica_50, YesChef_51, Simpson_53, Tutumahutu_52, Kaylissa_52, Powerpuff_53, JohnDoe_51
• Track 5 : Adolin_54
• Track 6 : Crewmate_56
• Track 7 : Warda_51, Tbone_51
• Track 8 : KeAlii_48
• Track 9 : Wildwest_50, DrSierra_49
• Track 10 : Amploria_50
• Track 11 : Tallboi_50
• Track 12 : ObiToo_55
• Track 13 : Tian_51, Pixelle_53, Amyev_52
• Track 14 : Sue2_51
• Track 15 : DrManhattan_53
• Track 16 : Cassia_49
• Track 17 : Pumpkins_49
• Track 18 : Schaffner_50
• Track 19 : IttyBittyPiggy_51
• Track 20 : Berrie_52
• Track 21 : Janeemi_53
• Track 22 : VResidence_51
• Track 23 : Phives_55
• Track 24 : TforTroy_51
• Track 25 : Turab_47
• Track 26 : Maureen_52, IUFootball_53, Liebe_52
• Track 27 : MaGuCo_48
• Track 28 : MiniMommy_57
• Track 29 : Emotion_58
• Track 30 : Origami_54, FiveHead_58, JohnThicc_54, LadyAstra_55, ThursdayNight_54
• Track 31 : JasmineDragon_57, ShakeItOph_57
• Track 32 : AceofSpades_55
• Track 33 : VroomVroom_53

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

The start number called the most often in the published annotations is 14, it was called in 47 of the 52 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AEgle_47, AGrandiflora_53, AceofSpades_55, Adolin_54, Amyev_52, Ascela_52, Berrie_52, Cassia_49, Community_54, Cyan_51, DrManhattan_53, DrSierra_49, FiveHead_58, Flutur_50, IUFootball_53, Iter_52, IttyBittyPiggy_51, Janeemi_53, JasmineDragon_57, Joemato_51, JohnDoe_51, JohnThicc_54, JuneStar_52, Kaylissa_52, LadyAstra_55, Lego_50, Liebe_52, Lizalica_50, MaGuCo_48, Maureen_52, MiniMommy_57, Mudpuppy_47, ObiToo_55, Origami_54, Phives_55, Pixelle_53, Powerpuff_53, Pumpkins_49, Schaffner_50, ShakeItOph_57, Simpson_53, Tallboi_50, Tbone_51, TforTroy_51, ThursdayNight_54, Tian_51, Tuck_54, Turab_47, Tutumahutu_52, VResidence_51, VroomVroom_53, Warda_51, Wildwest_50, Yang_50, YesChef_51,

Genes that have the "Most Annotated" start but do not call it:
• Amploria_50, Crewmate_56,

Genes that do not have the "Most Annotated" start:
• Emotion_58, KeAlii_48, Sue2_51,

Summary by start number:

Start 10:
• Found in 6 of 60 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 52
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Crewmate_56 (AZ1),

Start 13:
• Found in 27 of 60 (45.0%) of genes in pham
• Manual Annotations of this start: 1 of 52
• Called 3.7% of time when present
• Phage (with cluster) where this start called: Amploria_50 (AZ1),

Start 14:
• Found in 57 of 60 (95.0%) of genes in pham
• Manual Annotations of this start: 47 of 52
• Called 96.5% of time when present
• Phage (with cluster) where this start called: AEgle_47 (AZ1), AGrandiflora_53 (AZ1), AceofSpades_55 (AZ4), Adolin_54 (AZ1), Amyev_52 (AZ1), Ascela_52 (AZ1), Berrie_52 (AZ1), Cassia_49 (AZ1), Community_54 (AZ1), Cyan_51 (AZ1), DrManhattan_53 (AZ1), DrSierra_49 (AZ1), FiveHead_58 (AZ4), Flutur_50 (AZ), IUFootball_53 (AZ2), Iter_52 (AZ1), IttyBittyPiggy_51 (AZ1), Janeemi_53 (AZ1), JasmineDragon_57 (AZ4), Joemato_51 (AZ1), JohnDoe_51 (AZ1), JohnThicc_54 (AZ4), JuneStar_52 (AZ1), Kaylissa_52 (AZ1), LadyAstra_55 (AZ4), Lego_50 (AZ1), Liebe_52 (AZ2), Lizalica_50 (AZ1), MaGuCo_48 (AZ2), Maureen_52 (AZ2), MiniMommy_57 (AZ4), Mudpuppy_47 (AZ1), ObiToo_55 (AZ1), Origami_54 (AZ4),

Phives_55 (AZ1), Pixelle_53 (AZ1), Powerpuff_53 (AZ1), Pumpkins_49 (AZ1), Schaffner_50 (AZ1), ShakeItOph_57 (AZ4), Simpson_53 (AZ1), Tallboi_50 (AZ1), Tbone_51 (AZ1), TforTroy_51 (AZ1), ThursdayNight_54 (AZ), Tian_51 (AZ1), Tuck_54 (AZ1), Turab_47 (AZ1), Tutumahutu_52 (AZ1), VResidence_51 (AZ1), VroomVroom_53 (AZ4), Warda_51 (AZ1), Wildwest_50 (AZ1), Yang_50 (AZ1), YesChef_51 (AZ1),

Start 15:
• Found in 2 of 60 (3.3%) of genes in pham
• Manual Annotations of this start: 2 of 52
• Called 100.0% of time when present
• Phage (with cluster) where this start called: KeAlii_48 (AZ1), Sue2_51 (AZ1),

Start 16:
• Found in 1 of 60 (1.7%) of genes in pham
• Manual Annotations of this start: 1 of 52
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Emotion_58 (AZ4),

Summary by clusters:

There are 4 clusters represented in this pham: AZ1, AZ2, AZ, AZ4,

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

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 14 was manually annotated 35 times for cluster AZ1.
•Start number 15 was manually annotated 2 times for cluster AZ1.

Info for manual annotations of cluster AZ2:
•Start number 14 was manually annotated 4 times for cluster AZ2.

Info for manual annotations of cluster AZ4:
•Start number 14 was manually annotated 7 times for cluster AZ4.
•Start number 16 was manually annotated 1 time for cluster AZ4.

Gene Information:

Gene: AEgle_47 Start: 36062, Stop: 36316, Start Num: 14
Candidate Starts for AEgle_47:
(Start: 13 @36029 has 1 MA's), (Start: 14 @36062 has 47 MA's),

Gene: AGrandiflora_53 Start: 37369, Stop: 37653, Start Num: 14
Candidate Starts for AGrandiflora_53:
(Start: 13 @37336 has 1 MA's), (Start: 14 @37369 has 47 MA's),

Gene: AceofSpades_55 Start: 38423, Stop: 38785, Start Num: 14
Candidate Starts for AceofSpades_55:

(7, 38315), (9, 38339), (Start: 14 @38423 has 47 MA's), (19, 38522), (27, 38648),

Gene: Adolin_54 Start: 36438, Stop: 36752, Start Num: 14
Candidate Starts for Adolin_54:
(5, 36312), (Start: 10 @36369 has 1 MA's), (Start: 14 @36438 has 47 MA's), (18, 36525), (25, 36636),

Gene: Amploria_50 Start: 36233, Stop: 36520, Start Num: 13
Candidate Starts for Amploria_50:
(Start: 13 @36233 has 1 MA's), (Start: 14 @36266 has 47 MA's),

Gene: Amyev_52 Start: 39535, Stop: 39798, Start Num: 14
Candidate Starts for Amyev_52:
(Start: 14 @39535 has 47 MA's),

Gene: Ascela_52 Start: 37685, Stop: 37954, Start Num: 14
Candidate Starts for Ascela_52:
(Start: 13 @37652 has 1 MA's), (Start: 14 @37685 has 47 MA's),

Gene: Berrie_52 Start: 37779, Stop: 38051, Start Num: 14
Candidate Starts for Berrie_52:
(Start: 14 @37779 has 47 MA's),

Gene: Cassia_49 Start: 36777, Stop: 37070, Start Num: 14
Candidate Starts for Cassia_49:
(Start: 10 @36708 has 1 MA's), (Start: 14 @36777 has 47 MA's),

Gene: Community_54 Start: 39171, Stop: 39443, Start Num: 14
Candidate Starts for Community_54:
(Start: 14 @39171 has 47 MA's),

Gene: Crewmate_56 Start: 38454, Stop: 38834, Start Num: 10
Candidate Starts for Crewmate_56:
(Start: 10 @38454 has 1 MA's), (Start: 14 @38523 has 47 MA's),

Gene: Cyan_51 Start: 36938, Stop: 37210, Start Num: 14
Candidate Starts for Cyan_51:
(Start: 13 @36905 has 1 MA's), (Start: 14 @36938 has 47 MA's),

Gene: DrManhattan_53 Start: 36006, Stop: 36320, Start Num: 14
Candidate Starts for DrManhattan_53:
(Start: 10 @35937 has 1 MA's), (Start: 14 @36006 has 47 MA's), (18, 36093), (25, 36204),

Gene: DrSierra_49 Start: 35765, Stop: 36037, Start Num: 14
Candidate Starts for DrSierra_49:
(Start: 14 @35765 has 47 MA's),

Gene: Emotion_58 Start: 39138, Stop: 39497, Start Num: 16
Candidate Starts for Emotion_58:
(Start: 16 @39138 has 1 MA's), (17, 39174), (27, 39357),

Gene: FiveHead_58 Start: 38001, Stop: 38363, Start Num: 14
Candidate Starts for FiveHead_58:
(Start: 14 @38001 has 47 MA's),

Gene: Flutur_50 Start: 37235, Stop: 37519, Start Num: 14
Candidate Starts for Flutur_50:
(Start: 13 @37202 has 1 MA's), (Start: 14 @37235 has 47 MA's),

Gene: IUFootball_53 Start: 39105, Stop: 39404, Start Num: 14
Candidate Starts for IUFootball_53:
(Start: 14 @39105 has 47 MA's), (25, 39297),

Gene: Iter_52 Start: 37677, Stop: 37946, Start Num: 14
Candidate Starts for Iter_52:
(Start: 13 @37644 has 1 MA's), (Start: 14 @37677 has 47 MA's),

Gene: IttyBittyPiggy_51 Start: 36368, Stop: 36658, Start Num: 14
Candidate Starts for IttyBittyPiggy_51:
(Start: 14 @36368 has 47 MA's),

Gene: Janeemi_53 Start: 38635, Stop: 38907, Start Num: 14
Candidate Starts for Janeemi_53:
(6, 38518), (12, 38599), (Start: 14 @38635 has 47 MA's),

Gene: JasmineDragon_57 Start: 38704, Stop: 39057, Start Num: 14
Candidate Starts for JasmineDragon_57:
(Start: 14 @38704 has 47 MA's), (19, 38803), (26, 38917),

Gene: Joemato_51 Start: 37006, Stop: 37290, Start Num: 14
Candidate Starts for Joemato_51:
(Start: 13 @36973 has 1 MA's), (Start: 14 @37006 has 47 MA's),

Gene: JohnDoe_51 Start: 37002, Stop: 37274, Start Num: 14
Candidate Starts for JohnDoe_51:
(Start: 13 @36969 has 1 MA's), (Start: 14 @37002 has 47 MA's),

Gene: JohnThicc_54 Start: 38001, Stop: 38363, Start Num: 14
Candidate Starts for JohnThicc_54:
(Start: 14 @38001 has 47 MA's),

Gene: JuneStar_52 Start: 39731, Stop: 40000, Start Num: 14
Candidate Starts for JuneStar_52:
(3, 39578), (Start: 13 @39698 has 1 MA's), (Start: 14 @39731 has 47 MA's),

Gene: Kaylissa_52 Start: 37385, Stop: 37669, Start Num: 14
Candidate Starts for Kaylissa_52:
(Start: 13 @37352 has 1 MA's), (Start: 14 @37385 has 47 MA's),

Gene: KeAlii_48 Start: 36562, Stop: 36861, Start Num: 15
Candidate Starts for KeAlii_48:
(Start: 13 @36526 has 1 MA's), (Start: 15 @36562 has 2 MA's), (22, 36718), (28, 36775),

Gene: LadyAstra_55 Start: 38101, Stop: 38463, Start Num: 14
Candidate Starts for LadyAstra_55:
(Start: 14 @38101 has 47 MA's),

Gene: Lego_50 Start: 36705, Stop: 36989, Start Num: 14
Candidate Starts for Lego_50:
(Start: 13 @36672 has 1 MA's), (Start: 14 @36705 has 47 MA's),

Gene: Liebe_52 Start: 39105, Stop: 39404, Start Num: 14
Candidate Starts for Liebe_52:
(Start: 14 @39105 has 47 MA's), (25, 39297),

Gene: Lizalica_50 Start: 36462, Stop: 36734, Start Num: 14
Candidate Starts for Lizalica_50:
(Start: 13 @36429 has 1 MA's), (Start: 14 @36462 has 47 MA's),

Gene: MaGuCo_48 Start: 37793, Stop: 38095, Start Num: 14
Candidate Starts for MaGuCo_48:
(Start: 14 @37793 has 47 MA's), (20, 37943), (21, 37952),

Gene: Maureen_52 Start: 39104, Stop: 39403, Start Num: 14
Candidate Starts for Maureen_52:
(Start: 14 @39104 has 47 MA's), (25, 39296),

Gene: MiniMommy_57 Start: 38707, Stop: 39060, Start Num: 14
Candidate Starts for MiniMommy_57:
(2, 38548), (4, 38557), (8, 38611), (Start: 14 @38707 has 47 MA's), (19, 38806), (26, 38920),

Gene: Mudpuppy_47 Start: 36646, Stop: 36918, Start Num: 14
Candidate Starts for Mudpuppy_47:
(Start: 13 @36613 has 1 MA's), (Start: 14 @36646 has 47 MA's),

Gene: ObiToo_55 Start: 37917, Stop: 38228, Start Num: 14
Candidate Starts for ObiToo_55:
(Start: 10 @37848 has 1 MA's), (Start: 14 @37917 has 47 MA's),

Gene: Origami_54 Start: 37893, Stop: 38255, Start Num: 14
Candidate Starts for Origami_54:
(Start: 14 @37893 has 47 MA's),

Gene: Phives_55 Start: 39196, Stop: 39561, Start Num: 14
Candidate Starts for Phives_55:
(Start: 14 @39196 has 47 MA's), (23, 39367), (29, 39436),

Gene: Pixelle_53 Start: 39880, Stop: 40143, Start Num: 14
Candidate Starts for Pixelle_53:
(Start: 14 @39880 has 47 MA's),

Gene: Powerpuff_53 Start: 38092, Stop: 38376, Start Num: 14
Candidate Starts for Powerpuff_53:
(Start: 13 @38059 has 1 MA's), (Start: 14 @38092 has 47 MA's),

Gene: Pumpkins_49 Start: 37435, Stop: 37743, Start Num: 14
Candidate Starts for Pumpkins_49:
(Start: 13 @37402 has 1 MA's), (Start: 14 @37435 has 47 MA's), (21, 37597),

Gene: Schaffner_50 Start: 37408, Stop: 37677, Start Num: 14

Candidate Starts for Schaffner_50:
(Start: 13 @37375 has 1 MA's), (Start: 14 @37408 has 47 MA's),

Gene: ShakeItOph_57 Start: 38704, Stop: 39057, Start Num: 14
Candidate Starts for ShakeItOph_57:
(Start: 14 @38704 has 47 MA's), (19, 38803), (26, 38917),

Gene: Simpson_53 Start: 37010, Stop: 37294, Start Num: 14
Candidate Starts for Simpson_53:
(Start: 13 @36977 has 1 MA's), (Start: 14 @37010 has 47 MA's),

Gene: Sue2_51 Start: 36740, Stop: 37063, Start Num: 15
Candidate Starts for Sue2_51:
(11, 36683), (Start: 13 @36704 has 1 MA's), (Start: 15 @36740 has 2 MA's),

Gene: Tallboi_50 Start: 37975, Stop: 38235, Start Num: 14
Candidate Starts for Tallboi_50:
(5, 37849), (Start: 10 @37906 has 1 MA's), (Start: 14 @37975 has 47 MA's),

Gene: Tbone_51 Start: 37543, Stop: 37860, Start Num: 14
Candidate Starts for Tbone_51:
(Start: 13 @37510 has 1 MA's), (Start: 14 @37543 has 47 MA's), (30, 37813), (31, 37834),

Gene: TforTroy_51 Start: 37334, Stop: 37600, Start Num: 14
Candidate Starts for TforTroy_51:
(Start: 14 @37334 has 47 MA's),

Gene: ThursdayNight_54 Start: 38169, Stop: 38507, Start Num: 14
Candidate Starts for ThursdayNight_54:
(Start: 14 @38169 has 47 MA's),

Gene: Tian_51 Start: 39535, Stop: 39798, Start Num: 14
Candidate Starts for Tian_51:
(Start: 14 @39535 has 47 MA's),

Gene: Tuck_54 Start: 39079, Stop: 39351, Start Num: 14
Candidate Starts for Tuck_54:
(Start: 14 @39079 has 47 MA's),

Gene: Turab_47 Start: 36106, Stop: 36360, Start Num: 14
Candidate Starts for Turab_47:
(Start: 13 @36073 has 1 MA's), (Start: 14 @36106 has 47 MA's),

Gene: Tutumahutu_52 Start: 36975, Stop: 37247, Start Num: 14
Candidate Starts for Tutumahutu_52:
(Start: 13 @36942 has 1 MA's), (Start: 14 @36975 has 47 MA's),

Gene: VResidence_51 Start: 36422, Stop: 36793, Start Num: 14
Candidate Starts for VResidence_51:
(Start: 13 @36389 has 1 MA's), (Start: 14 @36422 has 47 MA's), (24, 36602),

Gene: VroomVroom_53 Start: 37900, Stop: 38262, Start Num: 14
Candidate Starts for VroomVroom_53:

(1, 37738), (2, 37741), (4, 37750), (8, 37804), (Start: 14 @37900 has 47 MA's), (19, 37999), (27, 38125),

Gene: Warda_51 Start: 37041, Stop: 37358, Start Num: 14
Candidate Starts for Warda_51:
(Start: 13 @37008 has 1 MA's), (Start: 14 @37041 has 47 MA's), (30, 37311), (31, 37332),

Gene: Wildwest_50 Start: 37020, Stop: 37292, Start Num: 14
Candidate Starts for Wildwest_50:
(Start: 14 @37020 has 47 MA's),

Gene: Yang_50 Start: 37140, Stop: 37409, Start Num: 14
Candidate Starts for Yang_50:
(3, 36987), (Start: 13 @37107 has 1 MA's), (Start: 14 @37140 has 47 MA's),

Gene: YesChef_51 Start: 36951, Stop: 37235, Start Num: 14
Candidate Starts for YesChef_51:
(Start: 13 @36918 has 1 MA's), (Start: 14 @36951 has 47 MA's),