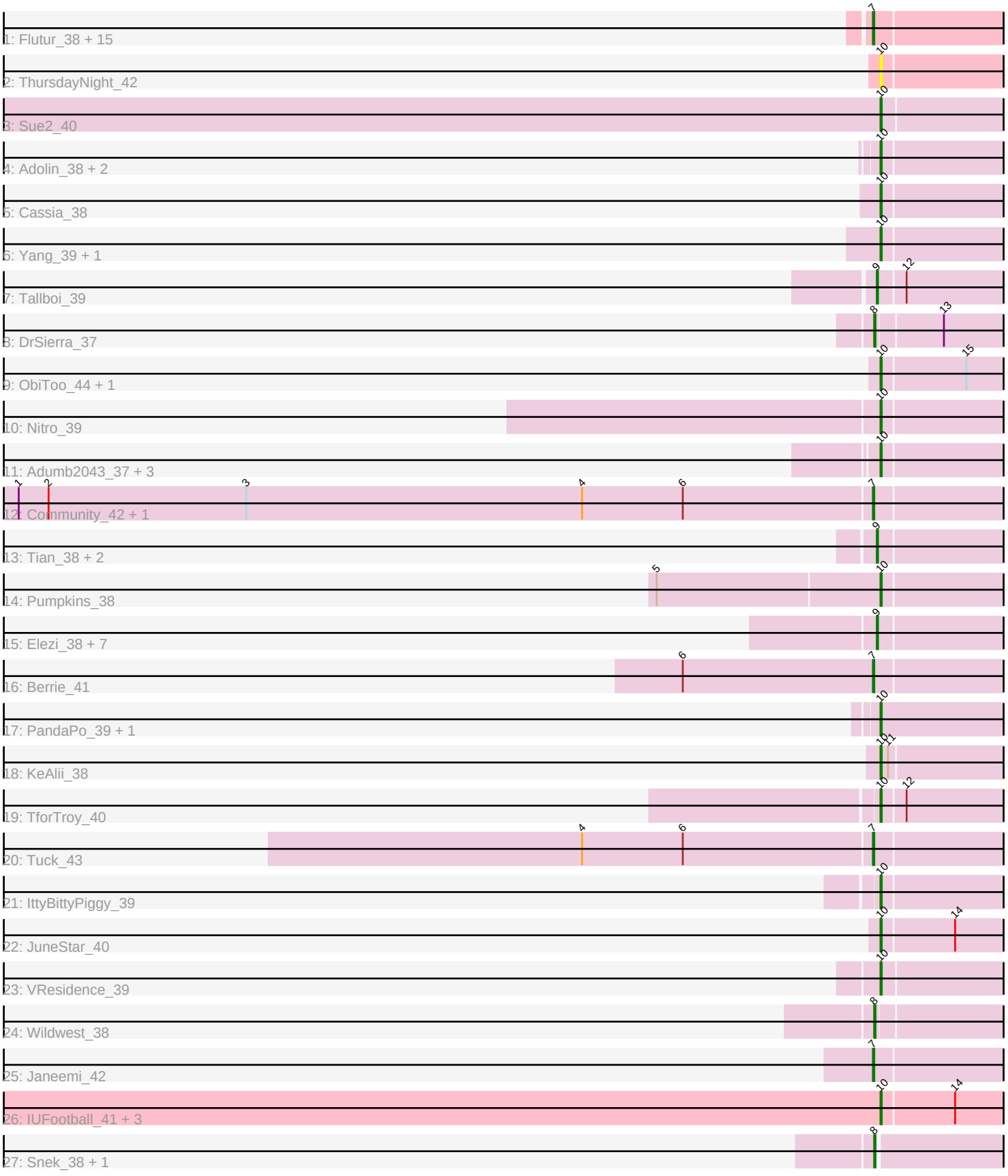
Pham 292811


1: Flutur_38 + 15
2: ThursdayNight_42
3: Sue2_40
4: Adolin_38 + 2
5: Cassia_38
6: Yang_39 + 1
7: Tallboi_39
8: DrSierra_37
9: ObiToo_44 + 1
10: Nitro_39
11: Adumb2043_37 + 3
12: Community_42 + 1
13: Tian_38 + 2
14: Pumpkins_38
15: Elezi_38 + 7
16: Berrie_41
17: PandaPo_39 + 1
18: KeAlii_38
19: TforTroy_40
20: Tuck_43
21: IttyBittyPiggy_39
22: JuneStar_40
23: VResidence_39
24: Wildwest_38
25: Janeemi_42
26: IUFootball_41 + 3
27: Snek_38 + 1

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 292811 Report

This analysis was run 04/18/26 on database version 643.

Pham number 292811 has 64 members, 14 are drafts.

Phages represented in each track:
• Track 1 : Flutur_38, Lizalica_37, Lego_39, Joemato_39, Warda_39, Ascela_40, JohnDoe_39, Powerpuff_41, Cyan_39, Simpson_41, Kaylissa_39, Iter_40, Tutumahutu_39, AGrandiflora_39, YesChef_39, Tbone_38
• Track 2 : ThursdayNight_42
• Track 3 : Sue2_40
• Track 4 : Adolin_38, Reedo_38, DrManhattan_38
• Track 5 : Cassia_38
• Track 6 : Yang_39, Schaffner_39
• Track 7 : Tallboi_39
• Track 8 : DrSierra_37
• Track 9 : ObiToo_44, Crewmate_44
• Track 10 : Nitro_39
• Track 11 : Adumb2043_37, Turab_37, Amploria_38, AEgle_36
• Track 12 : Community_42, Phives_42
• Track 13 : Tian_38, Pixelle_39, Amyev_38
• Track 14 : Pumpkins_38
• Track 15 : Elezi_38, Niobe_38, Subaru_39, Skelbel_39, Asa16_38, London_38, Eraser_38, Jstan_40
• Track 16 : Berrie_41
• Track 17 : PandaPo_39, MissSwiss_39
• Track 18 : KeAlii_38
• Track 19 : TforTroy_40
• Track 20 : Tuck_43
• Track 21 : IttyBittyPiggy_39
• Track 22 : JuneStar_40
• Track 23 : VResidence_39
• Track 24 : Wildwest_38
• Track 25 : Janeemi_42
• Track 26 : IUFootball_41, Liebe_41, MaGuCo_39, Maureen_41
• Track 27 : Snek_38, Tweety19_38

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

The start number called the most often in the published annotations is 10, it was called in 21 of the 50 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AEgle_36, Adolin_38, Adumb2043_37, Amploria_38, Cassia_38, Crewmate_44, DrManhattan_38, IUFootball_41, IttyBittyPiggy_39, JuneStar_40, KeAlii_38, Liebe_41, MaGuCo_39, Maureen_41, MissSwiss_39, Nitro_39, ObiToo_44, PandaPo_39, Pumpkins_38, Reedo_38, Schaffner_39, Sue2_40, TforTroy_40, ThursdayNight_42, Turab_37, VResidence_39, Yang_39,

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

Genes that do not have the "Most Annotated" start:
• AGrandiflora_39, Amyev_38, Asa16_38, Ascela_40, Berrie_41, Community_42, Cyan_39, DrSierra_37, Elezi_38, Eraser_38, Flutur_38, Iter_40, Janeemi_42, Joemato_39, JohnDoe_39, Jstan_40, Kaylissa_39, Lego_39, Lizalica_37, London_38, Niobe_38, Phives_42, Pixelle_39, Powerpuff_41, Simpson_41, Skelbel_39, Snek_38, Subaru_39, Tallboi_39, Tbone_38, Tian_38, Tuck_43, Tutumahutu_39, Tweety19_38, Warda_39, Wildwest_38, YesChef_39,

Summary by start number:

Start 7:
• Found in 21 of 64 (32.8%) of genes in pham
• Manual Annotations of this start: 17 of 50
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AGrandiflora_39 (AZ1), Ascela_40 (AZ1), Berrie_41 (AZ1), Community_42 (AZ1), Cyan_39 (AZ1), Flutur_38 (AZ), Iter_40 (AZ1), Janeemi_42 (AZ1), Joemato_39 (AZ1), JohnDoe_39 (AZ1), Kaylissa_39 (AZ1), Lego_39 (AZ1), Lizalica_37 (AZ1), Phives_42 (AZ1), Powerpuff_41 (AZ1), Simpson_41 (AZ1), Tbone_38 (AZ1), Tuck_43 (AZ1), Tutumahutu_39 (AZ1), Warda_39 (AZ1), YesChef_39 (AZ1),

Start 8:
• Found in 4 of 64 (6.2%) of genes in pham
• Manual Annotations of this start: 4 of 50
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DrSierra_37 (AZ1), Snek_38 (AZ3), Tweety19_38 (AZ3), Wildwest_38 (AZ1),

Start 9:
• Found in 12 of 64 (18.8%) of genes in pham
• Manual Annotations of this start: 8 of 50
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amyev_38 (AZ1), Asa16_38 (AZ1), Elezi_38 (AZ1), Eraser_38 (AZ1), Jstan_40 (AZ1), London_38 (AZ1), Niobe_38 (AZ1), Pixelle_39 (AZ1), Skelbel_39 (AZ1), Subaru_39 (AZ1), Tallboi_39 (AZ1), Tian_38 (AZ1),

Start 10:
• Found in 27 of 64 (42.2%) of genes in pham
• Manual Annotations of this start: 21 of 50

• Called 100.0% of time when present
• Phage (with cluster) where this start called: AEgle_36 (AZ1), Adolin_38 (AZ1), Adumb2043_37 (AZ1), Amploria_38 (AZ1), Cassia_38 (AZ1), Crewmate_44 (AZ1), DrManhattan_38 (AZ1), IUFootball_41 (AZ2), IttyBittyPiggy_39 (AZ1), JuneStar_40 (AZ1), KeAlii_38 (AZ1), Liebe_41 (AZ2), MaGuCo_39 (AZ2), Maureen_41 (AZ2), MissSwiss_39 (AZ1), Nitro_39 (AZ1), ObiToo_44 (AZ1), PandaPo_39 (AZ1), Pumpkins_38 (AZ1), Reedo_38 (AZ1), Schaffner_39 (AZ1), Sue2_40 (AZ1), TforTroy_40 (AZ1), ThursdayNight_42 (AZ), Turab_37 (AZ1), VResidence_39 (AZ1), Yang_39 (AZ1),

Summary by clusters:

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

Info for manual annotations of cluster AZ1:
•Start number 7 was manually annotated 17 times for cluster AZ1.
•Start number 8 was manually annotated 2 times for cluster AZ1.
•Start number 9 was manually annotated 8 times for cluster AZ1.
•Start number 10 was manually annotated 18 times for cluster AZ1.

Info for manual annotations of cluster AZ2:
•Start number 10 was manually annotated 3 times for cluster AZ2.

Info for manual annotations of cluster AZ3:
•Start number 8 was manually annotated 2 times for cluster AZ3.

Gene Information:

Gene: AEgle_36 Start: 28511, Stop: 28621, Start Num: 10
Candidate Starts for AEgle_36:
(Start: 10 @28511 has 21 MA's),

Gene: AGrandiflora_39 Start: 29152, Stop: 29268, Start Num: 7
Candidate Starts for AGrandiflora_39:
(Start: 7 @29152 has 17 MA's),

Gene: Adolin_38 Start: 27364, Stop: 27474, Start Num: 10
Candidate Starts for Adolin_38:
(Start: 10 @27364 has 21 MA's),

Gene: Adumb2043_37 Start: 28530, Stop: 28640, Start Num: 10
Candidate Starts for Adumb2043_37:
(Start: 10 @28530 has 21 MA's),

Gene: Amploria_38 Start: 28713, Stop: 28823, Start Num: 10
Candidate Starts for Amploria_38:
(Start: 10 @28713 has 21 MA's),

Gene: Amyev_38 Start: 30032, Stop: 30145, Start Num: 9
Candidate Starts for Amyev_38:

(Start: 9 @30032 has 8 MA's),

Gene: Asa16_38 Start: 30077, Stop: 30190, Start Num: 9
Candidate Starts for Asa16_38:
(Start: 9 @30077 has 8 MA's),

Gene: Ascela_40 Start: 29276, Stop: 29392, Start Num: 7
Candidate Starts for Ascela_40:
(Start: 7 @29276 has 17 MA's),

Gene: Berrie_41 Start: 30225, Stop: 30341, Start Num: 7
Candidate Starts for Berrie_41:
(6, 30072), (Start: 7 @30225 has 17 MA's),

Gene: Cassia_38 Start: 28918, Stop: 29028, Start Num: 10
Candidate Starts for Cassia_38:
(Start: 10 @28918 has 21 MA's),

Gene: Community_42 Start: 31006, Stop: 31122, Start Num: 7
Candidate Starts for Community_42:
(1, 30322), (2, 30346), (3, 30505), (4, 30775), (6, 30856), (Start: 7 @31006 has 17 MA's),

Gene: Crewmate_44 Start: 29588, Stop: 29698, Start Num: 10
Candidate Starts for Crewmate_44:
(Start: 10 @29588 has 21 MA's), (15, 29654),

Gene: Cyan_39 Start: 29207, Stop: 29323, Start Num: 7
Candidate Starts for Cyan_39:
(Start: 7 @29207 has 17 MA's),

Gene: DrManhattan_38 Start: 27354, Stop: 27464, Start Num: 10
Candidate Starts for DrManhattan_38:
(Start: 10 @27354 has 21 MA's),

Gene: DrSierra_37 Start: 27313, Stop: 27426, Start Num: 8
Candidate Starts for DrSierra_37:
(Start: 8 @27313 has 4 MA's), (13, 27364),

Gene: Elezi_38 Start: 30093, Stop: 30206, Start Num: 9
Candidate Starts for Elezi_38:
(Start: 9 @30093 has 8 MA's),

Gene: Eraser_38 Start: 30084, Stop: 30197, Start Num: 9
Candidate Starts for Eraser_38:
(Start: 9 @30084 has 8 MA's),

Gene: Flutur_38 Start: 29465, Stop: 29581, Start Num: 7
Candidate Starts for Flutur_38:
(Start: 7 @29465 has 17 MA's),

Gene: IUFootball_41 Start: 31035, Stop: 31145, Start Num: 10
Candidate Starts for IUFootball_41:
(Start: 10 @31035 has 21 MA's), (14, 31092),

Gene: Iter_40 Start: 29273, Stop: 29389, Start Num: 7
Candidate Starts for Iter_40:
(Start: 7 @29273 has 17 MA's),

Gene: IttyBittyPiggy_39 Start: 28689, Stop: 28799, Start Num: 10
Candidate Starts for IttyBittyPiggy_39:
(Start: 10 @28689 has 21 MA's),

Gene: Janeemi_42 Start: 30994, Stop: 31110, Start Num: 7
Candidate Starts for Janeemi_42:
(Start: 7 @30994 has 17 MA's),

Gene: Joemato_39 Start: 29238, Stop: 29354, Start Num: 7
Candidate Starts for Joemato_39:
(Start: 7 @29238 has 17 MA's),

Gene: JohnDoe_39 Start: 29230, Stop: 29346, Start Num: 7
Candidate Starts for JohnDoe_39:
(Start: 7 @29230 has 17 MA's),

Gene: Jstan_40 Start: 30078, Stop: 30191, Start Num: 9
Candidate Starts for Jstan_40:
(Start: 9 @30078 has 8 MA's),

Gene: JuneStar_40 Start: 30816, Stop: 30926, Start Num: 10
Candidate Starts for JuneStar_40:
(Start: 10 @30816 has 21 MA's), (14, 30873),

Gene: Kaylissa_39 Start: 29173, Stop: 29289, Start Num: 7
Candidate Starts for Kaylissa_39:
(Start: 7 @29173 has 17 MA's),

Gene: KeAlii_38 Start: 29207, Stop: 29317, Start Num: 10
Candidate Starts for KeAlii_38:
(Start: 10 @29207 has 21 MA's), (11, 29213),

Gene: Lego_39 Start: 29119, Stop: 29235, Start Num: 7
Candidate Starts for Lego_39:
(Start: 7 @29119 has 17 MA's),

Gene: Liebe_41 Start: 31035, Stop: 31145, Start Num: 10
Candidate Starts for Liebe_41:
(Start: 10 @31035 has 21 MA's), (14, 31092),

Gene: Lizalica_37 Start: 28316, Stop: 28432, Start Num: 7
Candidate Starts for Lizalica_37:
(Start: 7 @28316 has 17 MA's),

Gene: London_38 Start: 30093, Stop: 30206, Start Num: 9
Candidate Starts for London_38:
(Start: 9 @30093 has 8 MA's),

Gene: MaGuCo_39 Start: 29663, Stop: 29773, Start Num: 10
Candidate Starts for MaGuCo_39:
(Start: 10 @29663 has 21 MA's), (14, 29720),

Gene: Maureen_41 Start: 31035, Stop: 31145, Start Num: 10
Candidate Starts for Maureen_41:
(Start: 10 @31035 has 21 MA's), (14, 31092),

Gene: MissSwiss_39 Start: 27861, Stop: 27974, Start Num: 10
Candidate Starts for MissSwiss_39:
(Start: 10 @27861 has 21 MA's),

Gene: Niobe_38 Start: 30078, Stop: 30191, Start Num: 9
Candidate Starts for Niobe_38:
(Start: 9 @30078 has 8 MA's),

Gene: Nitro_39 Start: 29899, Stop: 30009, Start Num: 10
Candidate Starts for Nitro_39:
(Start: 10 @29899 has 21 MA's),

Gene: ObiToo_44 Start: 30029, Stop: 30139, Start Num: 10
Candidate Starts for ObiToo_44:
(Start: 10 @30029 has 21 MA's), (15, 30095),

Gene: PandaPo_39 Start: 27867, Stop: 27980, Start Num: 10
Candidate Starts for PandaPo_39:
(Start: 10 @27867 has 21 MA's),

Gene: Phives_42 Start: 30834, Stop: 30950, Start Num: 7
Candidate Starts for Phives_42:
(1, 30150), (2, 30174), (3, 30333), (4, 30603), (6, 30684), (Start: 7 @30834 has 17 MA's),

Gene: Pixelle_39 Start: 30054, Stop: 30167, Start Num: 9
Candidate Starts for Pixelle_39:
(Start: 9 @30054 has 8 MA's),

Gene: Powerpuff_41 Start: 30322, Stop: 30438, Start Num: 7
Candidate Starts for Powerpuff_41:
(Start: 7 @30322 has 17 MA's),

Gene: Pumpkins_38 Start: 29378, Stop: 29488, Start Num: 10
Candidate Starts for Pumpkins_38:
(5, 29201), (Start: 10 @29378 has 21 MA's),

Gene: Reedo_38 Start: 27445, Stop: 27555, Start Num: 10
Candidate Starts for Reedo_38:
(Start: 10 @27445 has 21 MA's),

Gene: Schaffner_39 Start: 29611, Stop: 29721, Start Num: 10
Candidate Starts for Schaffner_39:
(Start: 10 @29611 has 21 MA's),

Gene: Simpson_41 Start: 29238, Stop: 29354, Start Num: 7

Candidate Starts for Simpson_41:
(Start: 7 @29238 has 17 MA's),

Gene: Skelbel_39 Start: 30078, Stop: 30191, Start Num: 9
Candidate Starts for Skelbel_39:
(Start: 9 @30078 has 8 MA's),

Gene: Snek_38 Start: 27749, Stop: 27862, Start Num: 8
Candidate Starts for Snek_38:
(Start: 8 @27749 has 4 MA's),

Gene: Subaru_39 Start: 30093, Stop: 30206, Start Num: 9
Candidate Starts for Subaru_39:
(Start: 9 @30093 has 8 MA's),

Gene: Sue2_40 Start: 29761, Stop: 29871, Start Num: 10
Candidate Starts for Sue2_40:
(Start: 10 @29761 has 21 MA's),

Gene: Tallboi_39 Start: 30267, Stop: 30380, Start Num: 9
Candidate Starts for Tallboi_39:
(Start: 9 @30267 has 8 MA's), (12, 30288),

Gene: Tbone_38 Start: 29033, Stop: 29149, Start Num: 7
Candidate Starts for Tbone_38:
(Start: 7 @29033 has 17 MA's),

Gene: TforTroy_40 Start: 29241, Stop: 29351, Start Num: 10
Candidate Starts for TforTroy_40:
(Start: 10 @29241 has 21 MA's), (12, 29259),

Gene: ThursdayNight_42 Start: 30130, Stop: 30243, Start Num: 10
Candidate Starts for ThursdayNight_42:
(Start: 10 @30130 has 21 MA's),

Gene: Tian_38 Start: 30032, Stop: 30145, Start Num: 9
Candidate Starts for Tian_38:
(Start: 9 @30032 has 8 MA's),

Gene: Tuck_43 Start: 31386, Stop: 31502, Start Num: 7
Candidate Starts for Tuck_43:
(4, 31155), (6, 31236), (Start: 7 @31386 has 17 MA's),

Gene: Turab_37 Start: 28530, Stop: 28640, Start Num: 10
Candidate Starts for Turab_37:
(Start: 10 @28530 has 21 MA's),

Gene: Tutumahutu_39 Start: 29204, Stop: 29320, Start Num: 7
Candidate Starts for Tutumahutu_39:
(Start: 7 @29204 has 17 MA's),

Gene: Tweety19_38 Start: 27749, Stop: 27862, Start Num: 8
Candidate Starts for Tweety19_38:

(Start: 8 @27749 has 4 MA's),

Gene: VResidence_39 Start: 28676, Stop: 28786, Start Num: 10
Candidate Starts for VResidence_39:
(Start: 10 @28676 has 21 MA's),

Gene: Warda_39 Start: 29209, Stop: 29325, Start Num: 7
Candidate Starts for Warda_39:
(Start: 7 @29209 has 17 MA's),

Gene: Wildwest_38 Start: 28648, Stop: 28761, Start Num: 8
Candidate Starts for Wildwest_38:
(Start: 8 @28648 has 4 MA's),

Gene: Yang_39 Start: 28730, Stop: 28840, Start Num: 10
Candidate Starts for Yang_39:
(Start: 10 @28730 has 21 MA's),

Gene: YesChef_39 Start: 29181, Stop: 29297, Start Num: 7
Candidate Starts for YesChef_39:
(Start: 7 @29181 has 17 MA's),