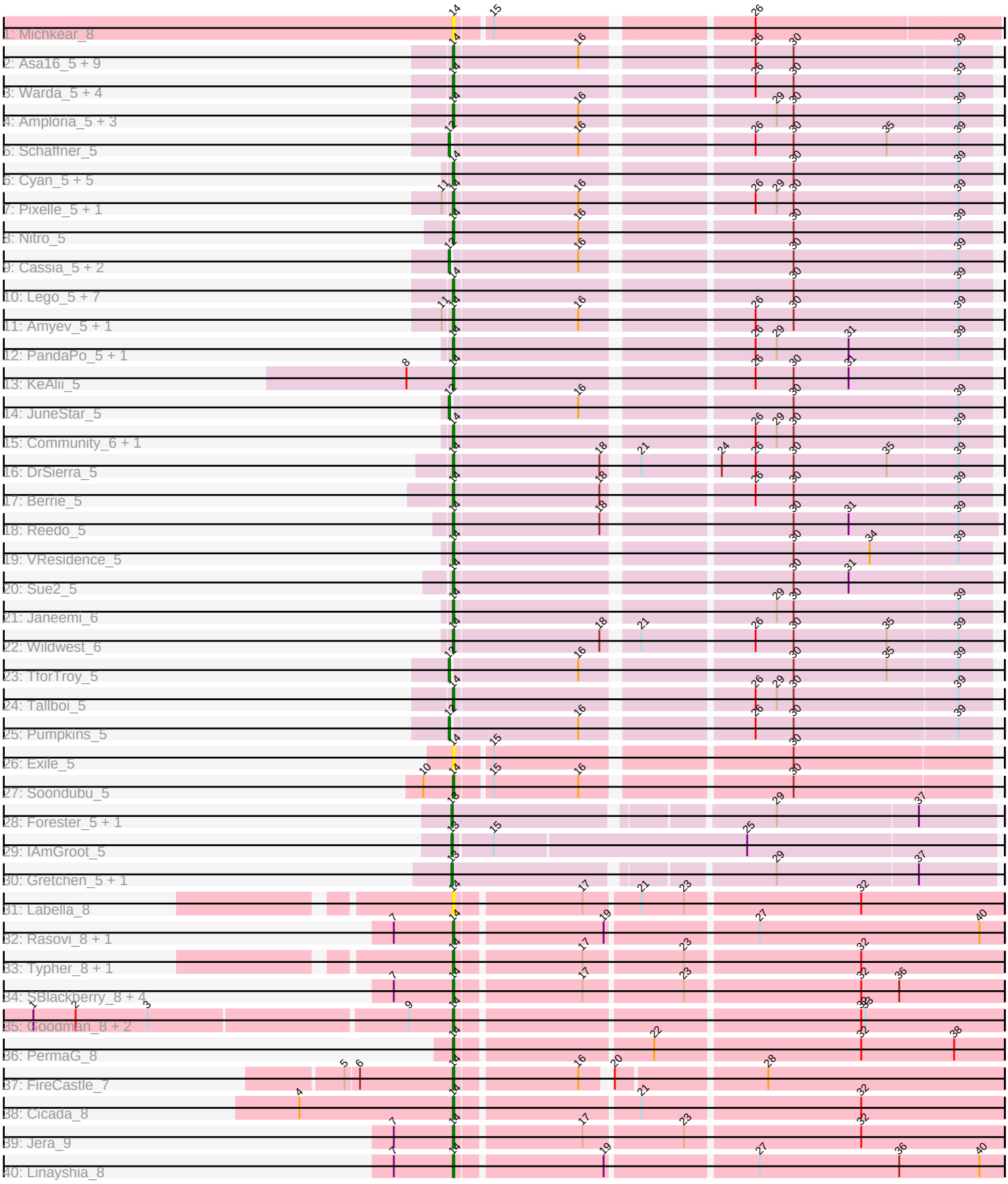
Pham 332738


1: Michkear_8
2: Asa16_5 + 9
3: Warda_5 + 4
4: Amploria_5 + 3
5: Schaffner_5
6: Cyan_5 + 5
7: Pixelle_5 + 1
8: Nitro_5
9: Cassia_5 + 2
10: Lego_5 + 7
11: Amyev_5 + 1
12: PandaPo_5 + 1
13: KeAli_5
14: JuneStar_5
15: Community_6 + 1
16: DrSierra_5
17: Berrie_5
18: Reedo_5
19: VResidence_5
20: Sue2_5
21: Janeemi_6
22: Wildwest_6
23: TforTroy_5
24: Tallboi_5
25: Pumpkins_5
26: Exile_5
27: Soondubu_5
28: Forester_5 + 1
29: IAmGroot_5
30: Gretchen_5 + 1
31: Labella_8
32: Rasovi_8 + 1
33: Typher_8 + 1
34: SBlackberry_8 + 4
35: Goodman_8 + 2
36: PermaG_8
37: FireCastle_7
38: Cicada_8
39: Jera_9
40: Linayshia_8

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 332738 Report

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

Pham number 332738 has 84 members, 12 are drafts.

Phages represented in each track:
• Track 1 : Michkear_8
• Track 2 : Asa16_5, Jstan_5, Eraser_5, Elezi_5, Niobe_5, Subaru_5, Ascela_5, London_5, Skelbel_5, Iter_5
• Track 3 : Warda_5, Mudpuppy_5, AGrandiflora_5, Tbone_5, Lizalica_5
• Track 4 : Amploria_5, AEgle_5, Turab_5, Adumb2043_5
• Track 5 : Schaffner_5
• Track 6 : Cyan_5, Adolin_5, DrManhattan_5, Simpson_5, Joemato_5, Kaylissa_5
• Track 7 : Pixelle_5, Phives_6
• Track 8 : Nitro_5
• Track 9 : Cassia_5, IttyBittyPiggy_5, Yang_5
• Track 10 : Lego_5, YesChef_5, Tutumahutu_5, Flutur_5, Crewmate_6, JohnDoe_5, ObiToo_5, Powerpuff_5
• Track 11 : Amyev_5, Tian_5
• Track 12 : PandaPo_5, MissSwiss_5
• Track 13 : KeAlii_5
• Track 14 : JuneStar_5
• Track 15 : Community_6, Tuck_6
• Track 16 : DrSierra_5
• Track 17 : Berrie_5
• Track 18 : Reedo_5
• Track 19 : VResidence_5
• Track 20 : Sue2_5
• Track 21 : Janeemi_6
• Track 22 : Wildwest_6
• Track 23 : TforTroy_5
• Track 24 : Tallboi_5
• Track 25 : Pumpkins_5
• Track 26 : Exile_5
• Track 27 : Soondubu_5
• Track 28 : Forester_5, SuperHands_5
• Track 29 : IAmGroot_5
• Track 30 : Gretchen_5, Percival_5
• Track 31 : Labella_8
• Track 32 : Rasovi_8, Htur_8
• Track 33 : Typher_8, AyoTeo_8
• Track 34 : SBlackberry_8, Alove_8, Zanella_8, TurboVicky_8, Rootkit7_8
• Track 35 : Goodman_8, Johann_8, Olympi_8

• Track 36 : PermaG_8
• Track 37 : FireCastle_7
• Track 38 : Cicada_8
• Track 39 : Jera_9
• Track 40 : Linayshia_8

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 60 of the 72 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AEgle_5, AGrandiflora_5, Adolin_5, Adumb2043_5, Alove_8, Amploria_5, Amyev_5, Asa16_5, Ascela_5, AyoTeo_8, Berrie_5, Cicada_8, Community_6, Crewmate_6, Cyan_5, DrManhattan_5, DrSierra_5, Elezi_5, Eraser_5, Exile_5, FireCastle_7, Flutur_5, Goodman_8, Htur_8, Iter_5, Janeemi_6, Jera_9, Joemato_5, Johann_8, JohnDoe_5, Jstan_5, Kaylissa_5, KeAlii_5, Labella_8, Lego_5, Linayshia_8, Lizalica_5, London_5, Michkear_8, MissSwiss_5, Mudpuppy_5, Niobe_5, Nitro_5, ObiToo_5, Olympi_8, PandaPo_5, PermaG_8, Phives_6, Pixelle_5, Powerpuff_5, Rasovi_8, Reedo_5, Rootkit7_8, SBlackberry_8, Simpson_5, Skelbel_5, Soondubu_5, Subaru_5, Sue2_5, Tallboi_5, Tbone_5, Tian_5, Tuck_6, Turab_5, TurboVicky_8, Tutumahutu_5, Typher_8, VResidence_5, Warda_5, Wildwest_6, YesChef_5, Zanella_8,

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

Genes that do not have the "Most Annotated" start:
• Cassia_5, Forester_5, Gretchen_5, IAmGroot_5, IttyBittyPiggy_5, JuneStar_5, Percival_5, Pumpkins_5, Schaffner_5, SuperHands_5, TforTroy_5, Yang_5,

Summary by start number:

Start 12:
• Found in 7 of 84 (8.3%) of genes in pham
• Manual Annotations of this start: 7 of 72
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cassia_5 (AZ1), IttyBittyPiggy_5 (AZ1), JuneStar_5 (AZ1), Pumpkins_5 (AZ1), Schaffner_5 (AZ1), TforTroy_5 (AZ1), Yang_5 (AZ1),

Start 13:
• Found in 5 of 84 (6.0%) of genes in pham
• Manual Annotations of this start: 5 of 72
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Forester_5 (EH), Gretchen_5 (EH), IAmGroot_5 (EH), Percival_5 (EH), SuperHands_5 (EH),

Start 14:
• Found in 72 of 84 (85.7%) of genes in pham

• Manual Annotations of this start: 60 of 72
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AEgle_5 (AZ1), AGrandiflora_5 (AZ1), Adolin_5 (AZ1), Adumb2043_5 (AZ1), Alove_8 (EJ), Amploria_5 (AZ1), Amyev_5 (AZ1), Asa16_5 (AZ1), Ascela_5 (AZ1), AyoTeo_8 (EJ), Berrie_5 (AZ1), Cicada_8 (EJ), Community_6 (AZ1), Crewmate_6 (AZ1), Cyan_5 (AZ1), DrManhattan_5 (AZ1), DrSierra_5 (AZ1), Elezi_5 (AZ1), Eraser_5 (AZ1), Exile_5 (AZ6), FireCastle_7 (EJ), Flutur_5 (AZ), Goodman_8 (EJ), Htur_8 (EJ), Iter_5 (AZ1), Janeemi_6 (AZ1), Jera_9 (EJ), Joemato_5 (AZ1), Johann_8 (EJ), JohnDoe_5 (AZ1), Jstan_5 (AZ1), Kaylissa_5 (AZ1), KeAlii_5 (AZ1), Labella_8 (EJ), Lego_5 (AZ1), Linayshia_8 (EJ), Lizalica_5 (AZ1), London_5 (AZ1), Michkear_8 (AZ), MissSwiss_5 (AZ1), Mudpuppy_5 (AZ1), Niobe_5 (AZ1), Nitro_5 (AZ1), ObiToo_5 (AZ1), Olympi_8 (EJ), PandaPo_5 (AZ1), PermaG_8 (EJ), Phives_6 (AZ1), Pixelle_5 (AZ1), Powerpuff_5 (AZ1), Rasovi_8 (EJ), Reedo_5 (AZ1), Rootkit7_8 (EJ), SBlackberry_8 (EJ), Simpson_5 (AZ1), Skelbel_5 (AZ1), Soondubu_5 (AZ6), Subaru_5 (AZ1), Sue2_5 (AZ1), Tallboi_5 (AZ1), Tbone_5 (AZ1), Tian_5 (AZ1), Tuck_6 (AZ1), Turab_5 (AZ1), TurboVicky_8 (EJ), Tutumahutu_5 (AZ1), Typher_8 (EJ), VResidence_5 (AZ1), Warda_5 (AZ1), Wildwest_6 (AZ1), YesChef_5 (AZ1), Zanella_8 (EJ),

Summary by clusters:

There are 5 clusters represented in this pham: AZ1, AZ, EH, AZ6, EJ,

Info for manual annotations of cluster AZ1:
•Start number 12 was manually annotated 7 times for cluster AZ1.
•Start number 14 was manually annotated 42 times for cluster AZ1.

Info for manual annotations of cluster AZ6:
•Start number 14 was manually annotated 1 time for cluster AZ6.

Info for manual annotations of cluster EH:
•Start number 13 was manually annotated 5 times for cluster EH.

Info for manual annotations of cluster EJ:
•Start number 14 was manually annotated 17 times for cluster EJ.

Gene Information:

Gene: AEgle_5 Start: 5771, Stop: 6130, Start Num: 14
Candidate Starts for AEgle_5:
(Start: 14 @5771 has 60 MA's), (16, 5858), (29, 5981), (30, 5993), (39, 6107),

Gene: AGrandiflora_5 Start: 5774, Stop: 6133, Start Num: 14
Candidate Starts for AGrandiflora_5:
(Start: 14 @5774 has 60 MA's), (26, 5969), (30, 5996), (39, 6110),

Gene: Adolin_5 Start: 5792, Stop: 6151, Start Num: 14
Candidate Starts for Adolin_5:
(Start: 14 @5792 has 60 MA's), (30, 6014), (39, 6128),

Gene: Adumb2043_5 Start: 5770, Stop: 6129, Start Num: 14
Candidate Starts for Adumb2043_5:
(Start: 14 @5770 has 60 MA's), (16, 5857), (29, 5980), (30, 5992), (39, 6106),

Gene: Alove_8 Start: 7961, Stop: 7590, Start Num: 14
Candidate Starts for Alove_8:
(7, 8003), (Start: 14 @7961 has 60 MA's), (17, 7877), (23, 7811), (32, 7691), (36, 7664),

Gene: Amploria_5 Start: 5770, Stop: 6129, Start Num: 14
Candidate Starts for Amploria_5:
(Start: 14 @5770 has 60 MA's), (16, 5857), (29, 5980), (30, 5992), (39, 6106),

Gene: Amyev_5 Start: 5786, Stop: 6145, Start Num: 14
Candidate Starts for Amyev_5:
(11, 5780), (Start: 14 @5786 has 60 MA's), (16, 5873), (26, 5981), (30, 6008), (39, 6122),

Gene: Asa16_5 Start: 5767, Stop: 6126, Start Num: 14
Candidate Starts for Asa16_5:
(Start: 14 @5767 has 60 MA's), (16, 5854), (26, 5962), (30, 5989), (39, 6103),

Gene: Ascela_5 Start: 5773, Stop: 6132, Start Num: 14
Candidate Starts for Ascela_5:
(Start: 14 @5773 has 60 MA's), (16, 5860), (26, 5968), (30, 5995), (39, 6109),

Gene: AyoTeo_8 Start: 7961, Stop: 7590, Start Num: 14
Candidate Starts for AyoTeo_8:
(Start: 14 @7961 has 60 MA's), (17, 7877), (23, 7811), (32, 7691),

Gene: Berrie_5 Start: 5770, Stop: 6129, Start Num: 14
Candidate Starts for Berrie_5:
(Start: 14 @5770 has 60 MA's), (18, 5872), (26, 5965), (30, 5992), (39, 6106),

Gene: Cassia_5 Start: 5874, Stop: 6233, Start Num: 12
Candidate Starts for Cassia_5:
(Start: 12 @5874 has 7 MA's), (16, 5961), (30, 6096), (39, 6210),

Gene: Cicada_8 Start: 7987, Stop: 7616, Start Num: 14
Candidate Starts for Cicada_8:
(4, 8095), (Start: 14 @7987 has 60 MA's), (21, 7867), (32, 7717),

Gene: Community_6 Start: 6846, Stop: 7205, Start Num: 14
Candidate Starts for Community_6:
(Start: 14 @6846 has 60 MA's), (26, 7041), (29, 7056), (30, 7068), (39, 7182),

Gene: Crewmate_6 Start: 6206, Stop: 6565, Start Num: 14
Candidate Starts for Crewmate_6:
(Start: 14 @6206 has 60 MA's), (30, 6428), (39, 6542),

Gene: Cyan_5 Start: 5778, Stop: 6137, Start Num: 14
Candidate Starts for Cyan_5:
(Start: 14 @5778 has 60 MA's), (30, 6000), (39, 6114),

Gene: DrManhattan_5 Start: 5791, Stop: 6150, Start Num: 14

Candidate Starts for DrManhattan_5:
(Start: 14 @5791 has 60 MA's), (30, 6013), (39, 6127),

Gene: DrSierra_5 Start: 5787, Stop: 6146, Start Num: 14
Candidate Starts for DrSierra_5:
(Start: 14 @5787 has 60 MA's), (18, 5889), (21, 5907), (24, 5958), (26, 5982), (30, 6009), (35, 6075), (39, 6123),

Gene: Elezi_5 Start: 5768, Stop: 6127, Start Num: 14
Candidate Starts for Elezi_5:
(Start: 14 @5768 has 60 MA's), (16, 5855), (26, 5963), (30, 5990), (39, 6104),

Gene: Eraser_5 Start: 5768, Stop: 6127, Start Num: 14
Candidate Starts for Eraser_5:
(Start: 14 @5768 has 60 MA's), (16, 5855), (26, 5963), (30, 5990), (39, 6104),

Gene: Exile_5 Start: 5786, Stop: 6139, Start Num: 14
Candidate Starts for Exile_5:
(Start: 14 @5786 has 60 MA's), (15, 5807), (30, 6002),

Gene: FireCastle_7 Start: 7827, Stop: 7465, Start Num: 14
Candidate Starts for FireCastle_7:
(5, 7902), (6, 7893), (Start: 14 @7827 has 60 MA's), (16, 7746), (20, 7731), (28, 7632),

Gene: Flutur_5 Start: 5777, Stop: 6136, Start Num: 14
Candidate Starts for Flutur_5:
(Start: 14 @5777 has 60 MA's), (30, 5999), (39, 6113),

Gene: Forester_5 Start: 6064, Stop: 6426, Start Num: 13
Candidate Starts for Forester_5:
(Start: 13 @6064 has 5 MA's), (29, 6274), (37, 6373),

Gene: Goodman_8 Start: 7981, Stop: 7610, Start Num: 14
Candidate Starts for Goodman_8:
(1, 8269), (2, 8239), (3, 8188), (9, 8011), (Start: 14 @7981 has 60 MA's), (32, 7711), (33, 7708),

Gene: Gretchen_5 Start: 6058, Stop: 6420, Start Num: 13
Candidate Starts for Gretchen_5:
(Start: 13 @6058 has 5 MA's), (29, 6268), (37, 6367),

Gene: Htur_8 Start: 8010, Stop: 7639, Start Num: 14
Candidate Starts for Htur_8:
(7, 8052), (Start: 14 @8010 has 60 MA's), (19, 7911), (27, 7812), (40, 7656),

Gene: IAmGroot_5 Start: 5830, Stop: 6207, Start Num: 13
Candidate Starts for IAmGroot_5:
(Start: 13 @5830 has 5 MA's), (15, 5857), (25, 6034),

Gene: Iter_5 Start: 5773, Stop: 6132, Start Num: 14
Candidate Starts for Iter_5:
(Start: 14 @5773 has 60 MA's), (16, 5860), (26, 5968), (30, 5995), (39, 6109),

Gene: IttyBittyPiggy_5 Start: 5769, Stop: 6128, Start Num: 12

Candidate Starts for IttyBittyPiggy_5:
(Start: 12 @5769 has 7 MA's), (16, 5856), (30, 5991), (39, 6105),

Gene: Janeemi_6 Start: 6878, Stop: 7237, Start Num: 14
Candidate Starts for Janeemi_6:
(Start: 14 @6878 has 60 MA's), (29, 7088), (30, 7100), (39, 7214),

Gene: Jera_9 Start: 7205, Stop: 6834, Start Num: 14
Candidate Starts for Jera_9:
(7, 7247), (Start: 14 @7205 has 60 MA's), (17, 7121), (23, 7055), (32, 6935),

Gene: Joemato_5 Start: 5778, Stop: 6137, Start Num: 14
Candidate Starts for Joemato_5:
(Start: 14 @5778 has 60 MA's), (30, 6000), (39, 6114),

Gene: Johann_8 Start: 7981, Stop: 7610, Start Num: 14
Candidate Starts for Johann_8:
(1, 8269), (2, 8239), (3, 8188), (9, 8011), (Start: 14 @7981 has 60 MA's), (32, 7711), (33, 7708),

Gene: JohnDoe_5 Start: 5776, Stop: 6135, Start Num: 14
Candidate Starts for JohnDoe_5:
(Start: 14 @5776 has 60 MA's), (30, 5998), (39, 6112),

Gene: Jstan_5 Start: 5768, Stop: 6127, Start Num: 14
Candidate Starts for Jstan_5:
(Start: 14 @5768 has 60 MA's), (16, 5855), (26, 5963), (30, 5990), (39, 6104),

Gene: JuneStar_5 Start: 5877, Stop: 6236, Start Num: 12
Candidate Starts for JuneStar_5:
(Start: 12 @5877 has 7 MA's), (16, 5964), (30, 6099), (39, 6213),

Gene: Kaylissa_5 Start: 5778, Stop: 6137, Start Num: 14
Candidate Starts for Kaylissa_5:
(Start: 14 @5778 has 60 MA's), (30, 6000), (39, 6114),

Gene: KeAlii_5 Start: 5756, Stop: 6115, Start Num: 14
Candidate Starts for KeAlii_5:
(8, 5723), (Start: 14 @5756 has 60 MA's), (26, 5951), (30, 5978), (31, 6017),

Gene: Labella_8 Start: 7965, Stop: 7594, Start Num: 14
Candidate Starts for Labella_8:
(Start: 14 @7965 has 60 MA's), (17, 7881), (21, 7845), (23, 7815), (32, 7695),

Gene: Lego_5 Start: 5777, Stop: 6136, Start Num: 14
Candidate Starts for Lego_5:
(Start: 14 @5777 has 60 MA's), (30, 5999), (39, 6113),

Gene: Linayshia_8 Start: 8010, Stop: 7639, Start Num: 14
Candidate Starts for Linayshia_8:
(7, 8052), (Start: 14 @8010 has 60 MA's), (19, 7911), (27, 7812), (36, 7713), (40, 7656),

Gene: Lizalica_5 Start: 5769, Stop: 6128, Start Num: 14
Candidate Starts for Lizalica_5:

(Start: 14 @5769 has 60 MA's), (26, 5964), (30, 5991), (39, 6105),

Gene: London_5 Start: 5768, Stop: 6127, Start Num: 14
Candidate Starts for London_5:
(Start: 14 @5768 has 60 MA's), (16, 5855), (26, 5963), (30, 5990), (39, 6104),

Gene: Michkear_8 Start: 7646, Stop: 8005, Start Num: 14
Candidate Starts for Michkear_8:
(Start: 14 @7646 has 60 MA's), (15, 7667), (26, 7835),

Gene: MissSwiss_5 Start: 5797, Stop: 6156, Start Num: 14
Candidate Starts for MissSwiss_5:
(Start: 14 @5797 has 60 MA's), (26, 5992), (29, 6007), (31, 6058), (39, 6133),

Gene: Mudpuppy_5 Start: 5777, Stop: 6136, Start Num: 14
Candidate Starts for Mudpuppy_5:
(Start: 14 @5777 has 60 MA's), (26, 5972), (30, 5999), (39, 6113),

Gene: Niobe_5 Start: 5768, Stop: 6127, Start Num: 14
Candidate Starts for Niobe_5:
(Start: 14 @5768 has 60 MA's), (16, 5855), (26, 5963), (30, 5990), (39, 6104),

Gene: Nitro_5 Start: 5777, Stop: 6136, Start Num: 14
Candidate Starts for Nitro_5:
(Start: 14 @5777 has 60 MA's), (16, 5864), (30, 5999), (39, 6113),

Gene: ObiToo_5 Start: 5956, Stop: 6315, Start Num: 14
Candidate Starts for ObiToo_5:
(Start: 14 @5956 has 60 MA's), (30, 6178), (39, 6292),

Gene: Olympi_8 Start: 7972, Stop: 7601, Start Num: 14
Candidate Starts for Olympi_8:
(1, 8260), (2, 8230), (3, 8179), (9, 8002), (Start: 14 @7972 has 60 MA's), (32, 7702), (33, 7699),

Gene: PandaPo_5 Start: 5797, Stop: 6156, Start Num: 14
Candidate Starts for PandaPo_5:
(Start: 14 @5797 has 60 MA's), (26, 5992), (29, 6007), (31, 6058), (39, 6133),

Gene: Percival_5 Start: 5891, Stop: 6253, Start Num: 13
Candidate Starts for Percival_5:
(Start: 13 @5891 has 5 MA's), (29, 6101), (37, 6200),

Gene: PermaG_8 Start: 7999, Stop: 7628, Start Num: 14
Candidate Starts for PermaG_8:
(Start: 14 @7999 has 60 MA's), (22, 7870), (32, 7729), (38, 7663),

Gene: Phives_6 Start: 6846, Stop: 7205, Start Num: 14
Candidate Starts for Phives_6:
(11, 6840), (Start: 14 @6846 has 60 MA's), (16, 6933), (26, 7041), (29, 7056), (30, 7068), (39, 7182),

Gene: Pixelle_5 Start: 5785, Stop: 6144, Start Num: 14
Candidate Starts for Pixelle_5:
(11, 5779), (Start: 14 @5785 has 60 MA's), (16, 5872), (26, 5980), (29, 5995), (30, 6007), (39, 6121),

Gene: Powerpuff_5 Start: 5828, Stop: 6187, Start Num: 14
Candidate Starts for Powerpuff_5:
(Start: 14 @5828 has 60 MA's), (30, 6050), (39, 6164),

Gene: Pumpkins_5 Start: 5874, Stop: 6233, Start Num: 12
Candidate Starts for Pumpkins_5:
(Start: 12 @5874 has 7 MA's), (16, 5961), (26, 6069), (30, 6096), (39, 6210),

Gene: Rasovi_8 Start: 8010, Stop: 7639, Start Num: 14
Candidate Starts for Rasovi_8:
(7, 8052), (Start: 14 @8010 has 60 MA's), (19, 7911), (27, 7812), (40, 7656),

Gene: Reedo_5 Start: 5791, Stop: 6153, Start Num: 14
Candidate Starts for Reedo_5:
(Start: 14 @5791 has 60 MA's), (18, 5893), (30, 6013), (31, 6052), (39, 6127),

Gene: Rootkit7_8 Start: 7961, Stop: 7590, Start Num: 14
Candidate Starts for Rootkit7_8:
(7, 8003), (Start: 14 @7961 has 60 MA's), (17, 7877), (23, 7811), (32, 7691), (36, 7664),

Gene: SBlackberry_8 Start: 7964, Stop: 7593, Start Num: 14
Candidate Starts for SBlackberry_8:
(7, 8006), (Start: 14 @7964 has 60 MA's), (17, 7880), (23, 7814), (32, 7694), (36, 7667),

Gene: Schaffner_5 Start: 5872, Stop: 6231, Start Num: 12
Candidate Starts for Schaffner_5:
(Start: 12 @5872 has 7 MA's), (16, 5959), (26, 6067), (30, 6094), (35, 6160), (39, 6208),

Gene: Simpson_5 Start: 5778, Stop: 6137, Start Num: 14
Candidate Starts for Simpson_5:
(Start: 14 @5778 has 60 MA's), (30, 6000), (39, 6114),

Gene: Skelbel_5 Start: 5768, Stop: 6127, Start Num: 14
Candidate Starts for Skelbel_5:
(Start: 14 @5768 has 60 MA's), (16, 5855), (26, 5963), (30, 5990), (39, 6104),

Gene: Soondubu_5 Start: 5790, Stop: 6143, Start Num: 14
Candidate Starts for Soondubu_5:
(10, 5769), (Start: 14 @5790 has 60 MA's), (15, 5811), (16, 5871), (30, 6006),

Gene: Subaru_5 Start: 5768, Stop: 6127, Start Num: 14
Candidate Starts for Subaru_5:
(Start: 14 @5768 has 60 MA's), (16, 5855), (26, 5963), (30, 5990), (39, 6104),

Gene: Sue2_5 Start: 5771, Stop: 6130, Start Num: 14
Candidate Starts for Sue2_5:
(Start: 14 @5771 has 60 MA's), (30, 5993), (31, 6032),

Gene: SuperHands_5 Start: 6064, Stop: 6426, Start Num: 13
Candidate Starts for SuperHands_5:
(Start: 13 @6064 has 5 MA's), (29, 6274), (37, 6373),

Gene: Tallboi_5 Start: 5786, Stop: 6145, Start Num: 14
Candidate Starts for Tallboi_5:
(Start: 14 @5786 has 60 MA's), (26, 5981), (29, 5996), (30, 6008), (39, 6122),

Gene: Tbone_5 Start: 5774, Stop: 6133, Start Num: 14
Candidate Starts for Tbone_5:
(Start: 14 @5774 has 60 MA's), (26, 5969), (30, 5996), (39, 6110),

Gene: TforTroy_5 Start: 5889, Stop: 6248, Start Num: 12
Candidate Starts for TforTroy_5:
(Start: 12 @5889 has 7 MA's), (16, 5976), (30, 6111), (35, 6177), (39, 6225),

Gene: Tian_5 Start: 5786, Stop: 6145, Start Num: 14
Candidate Starts for Tian_5:
(11, 5780), (Start: 14 @5786 has 60 MA's), (16, 5873), (26, 5981), (30, 6008), (39, 6122),

Gene: Tuck_6 Start: 6834, Stop: 7193, Start Num: 14
Candidate Starts for Tuck_6:
(Start: 14 @6834 has 60 MA's), (26, 7029), (29, 7044), (30, 7056), (39, 7170),

Gene: Turab_5 Start: 5770, Stop: 6129, Start Num: 14
Candidate Starts for Turab_5:
(Start: 14 @5770 has 60 MA's), (16, 5857), (29, 5980), (30, 5992), (39, 6106),

Gene: TurboVicky_8 Start: 7961, Stop: 7590, Start Num: 14
Candidate Starts for TurboVicky_8:
(7, 8003), (Start: 14 @7961 has 60 MA's), (17, 7877), (23, 7811), (32, 7691), (36, 7664),

Gene: Tutumahutu_5 Start: 5828, Stop: 6187, Start Num: 14
Candidate Starts for Tutumahutu_5:
(Start: 14 @5828 has 60 MA's), (30, 6050), (39, 6164),

Gene: Typher_8 Start: 7964, Stop: 7593, Start Num: 14
Candidate Starts for Typher_8:
(Start: 14 @7964 has 60 MA's), (17, 7880), (23, 7814), (32, 7694),

Gene: VResidence_5 Start: 5850, Stop: 6209, Start Num: 14
Candidate Starts for VResidence_5:
(Start: 14 @5850 has 60 MA's), (30, 6072), (34, 6126), (39, 6186),

Gene: Warda_5 Start: 5774, Stop: 6133, Start Num: 14
Candidate Starts for Warda_5:
(Start: 14 @5774 has 60 MA's), (26, 5969), (30, 5996), (39, 6110),

Gene: Wildwest_6 Start: 6717, Stop: 7076, Start Num: 14
Candidate Starts for Wildwest_6:
(Start: 14 @6717 has 60 MA's), (18, 6819), (21, 6837), (26, 6912), (30, 6939), (35, 7005), (39, 7053),

Gene: Yang_5 Start: 5872, Stop: 6231, Start Num: 12
Candidate Starts for Yang_5:
(Start: 12 @5872 has 7 MA's), (16, 5959), (30, 6094), (39, 6208),

Gene: YesChef_5 Start: 5828, Stop: 6187, Start Num: 14

Candidate Starts for YesChef_5:
(Start: 14 @5828 has 60 MA's), (30, 6050), (39, 6164),

Gene: Zanella_8 Start: 7961, Stop: 7590, Start Num: 14
Candidate Starts for Zanella_8:
(7, 8003), (Start: 14 @7961 has 60 MA's), (17, 7877), (23, 7811), (32, 7691), (36, 7664),