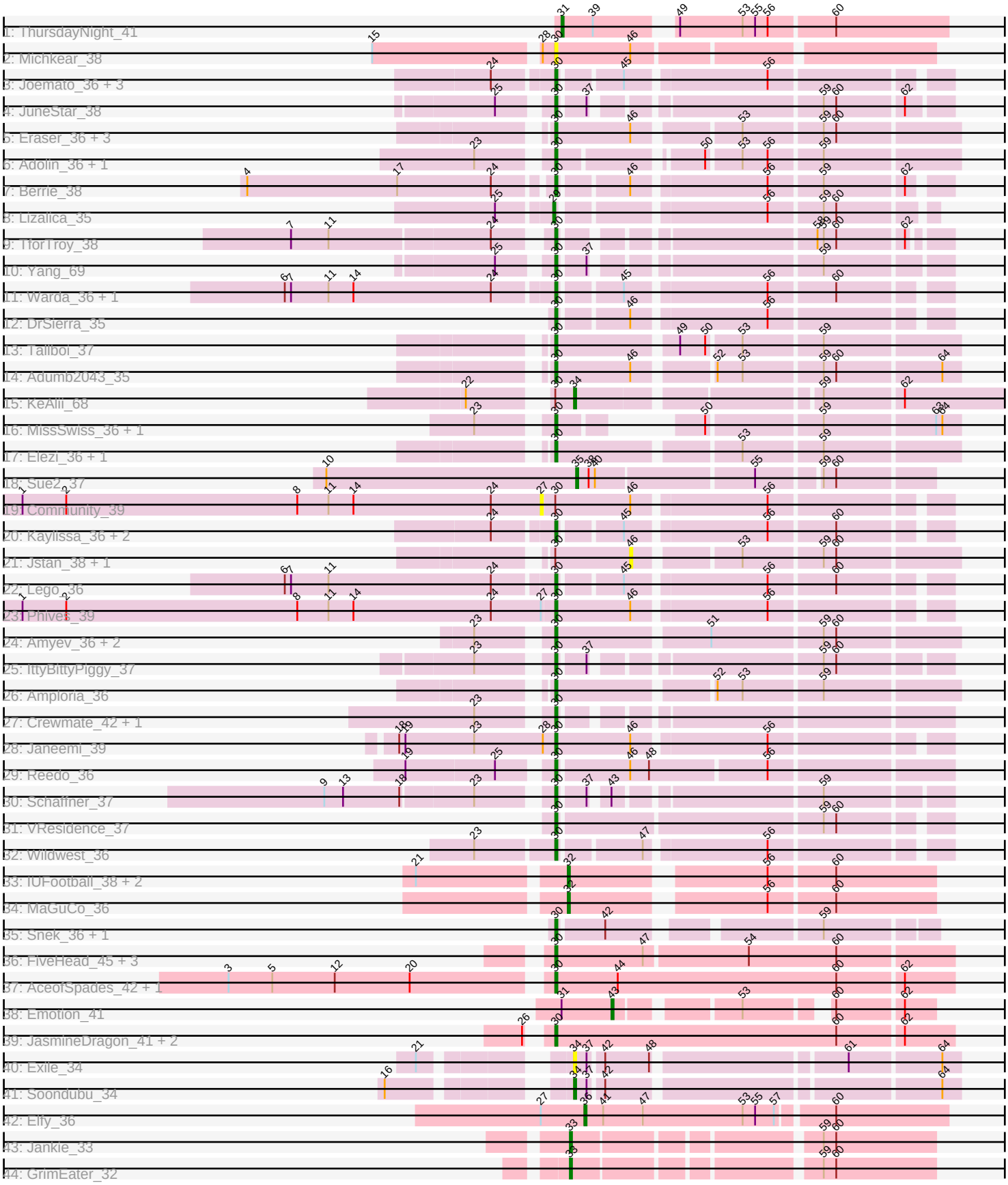
Pham 347582


1: ThursdayNight_41
2: Michkear_38
3: Joemato_36 + 3
4: JuneStar_38
5: Eraser_36 + 3
6: Adolin_36 + 1
7: Berrie_38
8: Lizalica_35
9: TforTroy_38
10: Yang_69
11: Warda_36 + 1
12: DrSierra_35
13: Tallboi_37
14: Adumb2043_35
15: KeAlli_68
16: MissSwiss_36 + 1
17: Elezi_36 + 1
18: Sue2_37
19: Community_39
20: Kaylissa_36 + 2
21: Jstan_38 + 1
22: Lego_36
23: Phives_39
24: Amyev_36 + 2
25: IttyBittyPiggy_37
26: Amploria_36
27: Crewmate_42 + 1
28: Janeemi_39
29: Reedo_36
30: Schaffner_37
31: VResidence_37
32: Wildwest_36
33: IUFootball_38 + 2
34: MaGuCo_36
35: Snek_36 + 1
36: FiveHead_45 + 3
37: AceofSpades_42 + 1
38: Emotion_41
39: JasmineDragon_41 + 2
40: Exile_34
41: Soondubu_34
42: Elfy_36
43: Jankie_33
44: GrimEater_32

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 347582 Report

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

Pham number 347582 has 69 members, 10 are drafts.

Phages represented in each track:
- Track 1 : ThursdayNight_41
- Track 2 : Michkear_38
- Track 3 : Joemato_36, JohnDoe_36, Cyan_36, Simpson_38
- Track 4 : JuneStar_38
- Track 5 : Eraser_36, Niobe_36, Asa16_36, London_36
- Track 6 : Adolin_36, DrManhattan_36
- Track 7 : Berrie_38
- Track 8 : Lizalica_35
- Track 9 : TforTroy_38
- Track 10 : Yang_69
- Track 11 : Warda_36, Tbone_35
- Track 12 : DrSierra_35
- Track 13 : Tallboi_37
- Track 14 : Adumb2043_35
- Track 15 : KeAlii_68
- Track 16 : MissSwiss_36, PandaPo_36
- Track 17 : Elezi_36, Subaru_36
- Track 18 : Sue2_37
- Track 19 : Community_39
- Track 20 : Kaylissa_36, YesChef_36, Tutumahutu_36
- Track 21 : Jstan_38, Skelbel_37
- Track 22 : Lego_36
- Track 23 : Phives_39
- Track 24 : Amyev_36, Tian_36, Pixelle_36
- Track 25 : IttyBittyPiggy_37
- Track 26 : Amploria_36
- Track 27 : Crewmate_42, ObiToo_41
- Track 28 : Janeemi_39
- Track 29 : Reedo_36
- Track 30 : Schaffner_37
- Track 31 : VResidence_37
- Track 32 : Wildwest_36
- Track 33 : IUFootball_38, Liebe_38, Maureen_38
- Track 34 : MaGuCo_36
- Track 35 : Snek_36, Tweety19_36
- Track 36 : FiveHead_45, LadyAstra_42, Origami_41, JohnThicc_41
- Track 37 : AceofSpades_42, VroomVroom_41

• Track 38 : Emotion_41
• Track 39 : JasmineDragon_41, ShakeItOph_41, MiniMommy_42
• Track 40 : Exile_34
• Track 41 : Soondubu_34
• Track 42 : Elfy_36
• Track 43 : Jankie_33
• Track 44 : GrimEater_32

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

The start number called the most often in the published annotations is 30, it was called in 46 of the 59 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AceofSpades_42, Adolin_36, Adumb2043_35, Amploria_36, Amyev_36, Asa16_36, Berrie_38, Crewmate_42, Cyan_36, DrManhattan_36, DrSierra_35, Elezi_36, Eraser_36, FiveHead_45, IttyBittyPiggy_37, Janeemi_39, JasmineDragon_41, Joemato_36, JohnDoe_36, JohnThicc_41, JuneStar_38, Kaylissa_36, LadyAstra_42, Lego_36, London_36, Michkear_38, MiniMommy_42, MissSwiss_36, Niobe_36, ObiToo_41, Origami_41, PandaPo_36, Phives_39, Pixelle_36, Reedo_36, Schaffner_37, ShakeItOph_41, Simpson_38, Snek_36, Subaru_36, Tallboi_37, Tbone_35, TforTroy_38, Tian_36, Tutumahutu_36, Tweety19_36, VResidence_37, VroomVroom_41, Warda_36, Wildwest_36, Yang_69, YesChef_36,

Genes that have the "Most Annotated" start but do not call it:
• Community_39, Jstan_38, KeAlii_68, Skelbel_37,

Genes that do not have the "Most Annotated" start:
• Elfy_36, Emotion_41, Exile_34, GrimEater_32, IUFootball_38, Jankie_33, Liebe_38, Lizalica_35, MaGuCo_36, Maureen_38, Soondubu_34, Sue2_37, ThursdayNight_41,

Summary by start number:

Start 27:
• Found in 3 of 69 (4.3%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Community_39 (AZ1),

Start 29:
• Found in 1 of 69 (1.4%) of genes in pham
• Manual Annotations of this start: 1 of 59
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Lizalica_35 (AZ1),

Start 30:
• Found in 56 of 69 (81.2%) of genes in pham
• Manual Annotations of this start: 46 of 59
• Called 92.9% of time when present

• Phage (with cluster) where this start called: AceofSpades_42 (AZ4), Adolin_36 (AZ1), Adumb2043_35 (AZ1), Amploria_36 (AZ1), Amyev_36 (AZ1), Asa16_36 (AZ1), Berrie_38 (AZ1), Crewmate_42 (AZ1), Cyan_36 (AZ1), DrManhattan_36 (AZ1), DrSierra_35 (AZ1), Elezi_36 (AZ1), Eraser_36 (AZ1), FiveHead_45 (AZ4), IttyBittyPiggy_37 (AZ1), Janeemi_39 (AZ1), JasmineDragon_41 (AZ4), Joemato_36 (AZ1), JohnDoe_36 (AZ1), JohnThicc_41 (AZ4), JuneStar_38 (AZ1), Kaylissa_36 (AZ1), LadyAstra_42 (AZ4), Lego_36 (AZ1), London_36 (AZ1), Michkear_38 (AZ), MiniMommy_42 (AZ4), MissSwiss_36 (AZ1), Niobe_36 (AZ1), ObiToo_41 (AZ1), Origami_41 (AZ4), PandaPo_36 (AZ1), Phives_39 (AZ1), Pixelle_36 (AZ1), Reedo_36 (AZ1), Schaffner_37 (AZ1), ShakeItOph_41 (AZ4), Simpson_38 (AZ1), Snek_36 (AZ3), Subaru_36 (AZ1), Tallboi_37 (AZ1), Tbone_35 (AZ1), TforTroy_38 (AZ1), Tian_36 (AZ1), Tutumahutu_36 (AZ1), Tweety19_36 (AZ3), VResidence_37 (AZ1), VroomVroom_41 (AZ4), Warda_36 (AZ1), Wildwest_36 (AZ1), Yang_69 (AZ1), YesChef_36 (AZ1),

Start 31:
• Found in 2 of 69 (2.9%) of genes in pham
• Manual Annotations of this start: 1 of 59
• Called 50.0% of time when present
• Phage (with cluster) where this start called: ThursdayNight_41 (AZ),

Start 32:
• Found in 4 of 69 (5.8%) of genes in pham
• Manual Annotations of this start: 4 of 59
• Called 100.0% of time when present
• Phage (with cluster) where this start called: IUFootball_38 (AZ2), Liebe_38 (AZ2), MaGuCo_36 (AZ2), Maureen_38 (AZ2),

Start 33:
• Found in 2 of 69 (2.9%) of genes in pham
• Manual Annotations of this start: 2 of 59
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GrimEater_32 (FP), Jankie_33 (FP),

Start 34:
• Found in 3 of 69 (4.3%) of genes in pham
• Manual Annotations of this start: 2 of 59
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Exile_34 (AZ6), KeAlii_68 (AZ1), Soondubu_34 (AZ6),

Start 35:
• Found in 1 of 69 (1.4%) of genes in pham
• Manual Annotations of this start: 1 of 59
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sue2_37 (AZ1),

Start 36:
• Found in 1 of 69 (1.4%) of genes in pham
• Manual Annotations of this start: 1 of 59
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Elfy_36 (FP),

Start 43:
• Found in 2 of 69 (2.9%) of genes in pham
• Manual Annotations of this start: 1 of 59
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Emotion_41 (AZ4),

Start 46:
• Found in 14 of 69 (20.3%) of genes in pham
• No Manual Annotations of this start.
• Called 14.3% of time when present
• Phage (with cluster) where this start called: Jstan_38 (AZ1), Skelbel_37 (AZ1),

Summary by clusters:

There are 7 clusters represented in this pham: FP, AZ3, AZ1, AZ2, AZ, AZ4, AZ6,

Info for manual annotations of cluster AZ:
•Start number 31 was manually annotated 1 time for cluster AZ.

Info for manual annotations of cluster AZ1:
•Start number 29 was manually annotated 1 time for cluster AZ1.
•Start number 30 was manually annotated 37 times for cluster AZ1.
•Start number 34 was manually annotated 1 time for cluster AZ1.
•Start number 35 was manually annotated 1 time for cluster AZ1.

Info for manual annotations of cluster AZ2:
•Start number 32 was manually annotated 4 times for cluster AZ2.

Info for manual annotations of cluster AZ3:
•Start number 30 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ4:
•Start number 30 was manually annotated 7 times for cluster AZ4.
•Start number 43 was manually annotated 1 time for cluster AZ4.

Info for manual annotations of cluster AZ6:
•Start number 34 was manually annotated 1 time for cluster AZ6.

Info for manual annotations of cluster FP:
•Start number 33 was manually annotated 2 times for cluster FP.
•Start number 36 was manually annotated 1 time for cluster FP.

Gene Information:

Gene: AceofSpades_42 Start: 27647, Stop: 27459, Start Num: 30
Candidate Starts for AceofSpades_42:
(3, 27794), (5, 27773), (12, 27743), (20, 27707), (Start: 30 @27647 has 46 MA's), (44, 27617), (60, 27512), (62, 27482),

Gene: Adolin_36 Start: 24646, Stop: 24473, Start Num: 30
Candidate Starts for Adolin_36:

(23, 24676), (Start: 30 @24646 has 46 MA's), (50, 24586), (53, 24571), (56, 24559), (59, 24535),

Gene: Adumb2043_35 Start: 25817, Stop: 25638, Start Num: 30
Candidate Starts for Adumb2043_35:
(Start: 30 @25817 has 46 MA's), (46, 25781), (52, 25748), (53, 25736), (59, 25700), (60, 25694), (64, 25646),

Gene: Amploria_36 Start: 26000, Stop: 25821, Start Num: 30
Candidate Starts for Amploria_36:
(Start: 30 @26000 has 46 MA's), (52, 25931), (53, 25919), (59, 25883),

Gene: Amyev_36 Start: 27343, Stop: 27161, Start Num: 30
Candidate Starts for Amyev_36:
(23, 27373), (Start: 30 @27343 has 46 MA's), (51, 27274), (59, 27223), (60, 27217),

Gene: Asa16_36 Start: 27387, Stop: 27208, Start Num: 30
Candidate Starts for Asa16_36:
(Start: 30 @27387 has 46 MA's), (46, 27351), (53, 27306), (59, 27270), (60, 27264),

Gene: Berrie_38 Start: 27347, Stop: 27180, Start Num: 30
Candidate Starts for Berrie_38:
(4, 27488), (17, 27416), (24, 27371), (Start: 30 @27347 has 46 MA's), (46, 27317), (56, 27257), (59, 27233), (62, 27197),

Gene: Community_39 Start: 28086, Stop: 27907, Start Num: 27
Candidate Starts for Community_39:
(1, 28335), (2, 28314), (8, 28203), (11, 28188), (14, 28176), (24, 28110), (27, 28086), (Start: 30 @28080 has 46 MA's), (46, 28044), (56, 27984),

Gene: Crewmate_42 Start: 26882, Stop: 26715, Start Num: 30
Candidate Starts for Crewmate_42:
(23, 26912), (Start: 30 @26882 has 46 MA's),

Gene: Cyan_36 Start: 25787, Stop: 25620, Start Num: 30
Candidate Starts for Cyan_36:
(24, 25814), (Start: 30 @25787 has 46 MA's), (45, 25760), (56, 25697),

Gene: DrManhattan_36 Start: 24637, Stop: 24464, Start Num: 30
Candidate Starts for DrManhattan_36:
(23, 24667), (Start: 30 @24637 has 46 MA's), (50, 24577), (53, 24562), (56, 24550), (59, 24526),

Gene: DrSierra_35 Start: 24646, Stop: 24479, Start Num: 30
Candidate Starts for DrSierra_35:
(Start: 30 @24646 has 46 MA's), (46, 24616), (56, 24556),

Gene: Elezi_36 Start: 27403, Stop: 27224, Start Num: 30
Candidate Starts for Elezi_36:
(Start: 30 @27403 has 46 MA's), (53, 27322), (59, 27286),

Gene: Elfy_36 Start: 25678, Stop: 25511, Start Num: 36
Candidate Starts for Elfy_36:
(27, 25699), (Start: 36 @25678 has 1 MA's), (41, 25669), (47, 25651), (53, 25603), (55, 25597), (57, 25588), (60, 25564),

Gene: Emotion_41 Start: 27364, Stop: 27236, Start Num: 43
Candidate Starts for Emotion_41:
(Start: 31 @27388 has 1 MA's), (Start: 43 @27364 has 1 MA's), (53, 27313), (60, 27280), (62, 27250),

Gene: Eraser_36 Start: 27394, Stop: 27215, Start Num: 30
Candidate Starts for Eraser_36:
(Start: 30 @27394 has 46 MA's), (46, 27358), (53, 27313), (59, 27277), (60, 27271),

Gene: Exile_34 Start: 27957, Stop: 27790, Start Num: 34
Candidate Starts for Exile_34:
(21, 28011), (Start: 34 @27957 has 2 MA's), (37, 27951), (42, 27945), (48, 27924), (61, 27840), (64, 27798),

Gene: FiveHead_45 Start: 27507, Stop: 27322, Start Num: 30
Candidate Starts for FiveHead_45:
(Start: 30 @27507 has 46 MA's), (47, 27465), (54, 27417), (60, 27375),

Gene: GrimEater_32 Start: 24905, Stop: 24747, Start Num: 33
Candidate Starts for GrimEater_32:
(Start: 33 @24905 has 2 MA's), (59, 24800), (60, 24794),

Gene: IUFootball_38 Start: 27588, Stop: 27427, Start Num: 32
Candidate Starts for IUFootball_38:
(21, 27654), (Start: 32 @27588 has 4 MA's), (56, 27504), (60, 27474),

Gene: IttyBittyPiggy_37 Start: 25993, Stop: 25829, Start Num: 30
Candidate Starts for IttyBittyPiggy_37:
(23, 26023), (Start: 30 @25993 has 46 MA's), (37, 25981), (59, 25885), (60, 25879),

Gene: Janeemi_39 Start: 28091, Stop: 27918, Start Num: 30
Candidate Starts for Janeemi_39:
(18, 28166), (19, 28163), (23, 28130), (28, 28097), (Start: 30 @28091 has 46 MA's), (46, 28055), (56, 27995),

Gene: Jankie_33 Start: 25085, Stop: 24927, Start Num: 33
Candidate Starts for Jankie_33:
(Start: 33 @25085 has 2 MA's), (59, 24980), (60, 24974),

Gene: JasmineDragon_41 Start: 27365, Stop: 27177, Start Num: 30
Candidate Starts for JasmineDragon_41:
(26, 27371), (Start: 30 @27365 has 46 MA's), (60, 27230), (62, 27200),

Gene: Joemato_36 Start: 25818, Stop: 25651, Start Num: 30
Candidate Starts for Joemato_36:
(24, 25845), (Start: 30 @25818 has 46 MA's), (45, 25791), (56, 25728),

Gene: JohnDoe_36 Start: 25809, Stop: 25642, Start Num: 30
Candidate Starts for JohnDoe_36:
(24, 25836), (Start: 30 @25809 has 46 MA's), (45, 25782), (56, 25719),

Gene: JohnThicc_41 Start: 27507, Stop: 27322, Start Num: 30
Candidate Starts for JohnThicc_41:

(Start: 30 @27507 has 46 MA's), (47, 27465), (54, 27417), (60, 27375),

Gene: Jstan_38 Start: 27352, Stop: 27209, Start Num: 46
Candidate Starts for Jstan_38:
(Start: 30 @27388 has 46 MA's), (46, 27352), (53, 27307), (59, 27271), (60, 27265),

Gene: JuneStar_38 Start: 28123, Stop: 27959, Start Num: 30
Candidate Starts for JuneStar_38:
(25, 28144), (Start: 30 @28123 has 46 MA's), (37, 28111), (59, 28015), (60, 28009), (62, 27979),

Gene: Kaylissa_36 Start: 25754, Stop: 25587, Start Num: 30
Candidate Starts for Kaylissa_36:
(24, 25781), (Start: 30 @25754 has 46 MA's), (45, 25727), (56, 25664), (60, 25634),

Gene: KeAlii_68 Start: 26504, Stop: 26304, Start Num: 34
Candidate Starts for KeAlii_68:
(22, 26543), (Start: 30 @26513 has 46 MA's), (Start: 34 @26504 has 2 MA's), (59, 26399), (62, 26363),

Gene: LadyAstra_42 Start: 27607, Stop: 27422, Start Num: 30
Candidate Starts for LadyAstra_42:
(Start: 30 @27607 has 46 MA's), (47, 27565), (54, 27517), (60, 27475),

Gene: Lego_36 Start: 25700, Stop: 25533, Start Num: 30
Candidate Starts for Lego_36:
(6, 25826), (7, 25823), (11, 25805), (24, 25727), (Start: 30 @25700 has 46 MA's), (45, 25673), (56, 25610), (60, 25580),

Gene: Liebe_38 Start: 27588, Stop: 27427, Start Num: 32
Candidate Starts for Liebe_38:
(21, 27654), (Start: 32 @27588 has 4 MA's), (56, 27504), (60, 27474),

Gene: Lizalica_35 Start: 25602, Stop: 25441, Start Num: 29
Candidate Starts for Lizalica_35:
(25, 25626), (Start: 29 @25602 has 1 MA's), (56, 25512), (59, 25488), (60, 25482),

Gene: London_36 Start: 27403, Stop: 27224, Start Num: 30
Candidate Starts for London_36:
(Start: 30 @27403 has 46 MA's), (46, 27367), (53, 27322), (59, 27286), (60, 27280),

Gene: MaGuCo_36 Start: 26435, Stop: 26274, Start Num: 32
Candidate Starts for MaGuCo_36:
(Start: 32 @26435 has 4 MA's), (56, 26351), (60, 26321),

Gene: Maureen_38 Start: 27588, Stop: 27427, Start Num: 32
Candidate Starts for Maureen_38:
(21, 27654), (Start: 32 @27588 has 4 MA's), (56, 27504), (60, 27474),

Gene: Michkear_38 Start: 27052, Stop: 26882, Start Num: 30
Candidate Starts for Michkear_38:
(15, 27133), (28, 27058), (Start: 30 @27052 has 46 MA's), (46, 27016),

Gene: MiniMommy_42 Start: 27366, Stop: 27178, Start Num: 30
Candidate Starts for MiniMommy_42:

(26, 27372), (Start: 30 @27366 has 46 MA's), (60, 27231), (62, 27201),

Gene: MissSwiss_36 Start: 24686, Stop: 24537, Start Num: 30
Candidate Starts for MissSwiss_36:
(23, 24716), (Start: 30 @24686 has 46 MA's), (50, 24650), (59, 24599), (63, 24548), (64, 24545),

Gene: Niobe_36 Start: 27388, Stop: 27209, Start Num: 30
Candidate Starts for Niobe_36:
(Start: 30 @27388 has 46 MA's), (46, 27352), (53, 27307), (59, 27271), (60, 27265),

Gene: ObiToo_41 Start: 26622, Stop: 26455, Start Num: 30
Candidate Starts for ObiToo_41:
(23, 26652), (Start: 30 @26622 has 46 MA's),

Gene: Origami_41 Start: 27399, Stop: 27214, Start Num: 30
Candidate Starts for Origami_41:
(Start: 30 @27399 has 46 MA's), (47, 27357), (54, 27309), (60, 27267),

Gene: PandaPo_36 Start: 24689, Stop: 24540, Start Num: 30
Candidate Starts for PandaPo_36:
(23, 24719), (Start: 30 @24689 has 46 MA's), (50, 24653), (59, 24602), (63, 24551), (64, 24548),

Gene: Phives_39 Start: 27908, Stop: 27735, Start Num: 30
Candidate Starts for Phives_39:
(1, 28163), (2, 28142), (8, 28031), (11, 28016), (14, 28004), (24, 27938), (27, 27914), (Start: 30 @27908 has 46 MA's), (46, 27872), (56, 27812),

Gene: Pixelle_36 Start: 27363, Stop: 27181, Start Num: 30
Candidate Starts for Pixelle_36:
(23, 27393), (Start: 30 @27363 has 46 MA's), (51, 27294), (59, 27243), (60, 27237),

Gene: Reedo_36 Start: 24760, Stop: 24581, Start Num: 30
Candidate Starts for Reedo_36:
(19, 24823), (25, 24781), (Start: 30 @24760 has 46 MA's), (46, 24727), (48, 24718), (56, 24664),

Gene: Schaffner_37 Start: 26900, Stop: 26736, Start Num: 30
Candidate Starts for Schaffner_37:
(9, 26999), (13, 26990), (18, 26963), (23, 26930), (Start: 30 @26900 has 46 MA's), (37, 26888), (Start: 43 @26882 has 1 MA's), (59, 26792),

Gene: ShakeItOph_41 Start: 27365, Stop: 27177, Start Num: 30
Candidate Starts for ShakeItOph_41:
(26, 27371), (Start: 30 @27365 has 46 MA's), (60, 27230), (62, 27200),

Gene: Simpson_38 Start: 25818, Stop: 25651, Start Num: 30
Candidate Starts for Simpson_38:
(24, 25845), (Start: 30 @25818 has 46 MA's), (45, 25791), (56, 25728),

Gene: Skelbel_37 Start: 27352, Stop: 27209, Start Num: 46
Candidate Starts for Skelbel_37:
(Start: 30 @27388 has 46 MA's), (46, 27352), (53, 27307), (59, 27271), (60, 27265),

Gene: Snek_36 Start: 25070, Stop: 24912, Start Num: 30

Candidate Starts for Snek_36:
(Start: 30 @25070 has 46 MA's), (42, 25049), (59, 24962),

Gene: Soondubu_34 Start: 27961, Stop: 27794, Start Num: 34
Candidate Starts for Soondubu_34:
(16, 28030), (Start: 34 @27961 has 2 MA's), (37, 27955), (42, 27949), (64, 27802),

Gene: Subaru_36 Start: 27403, Stop: 27224, Start Num: 30
Candidate Starts for Subaru_36:
(Start: 30 @27403 has 46 MA's), (53, 27322), (59, 27286),

Gene: Sue2_37 Start: 26877, Stop: 26719, Start Num: 35
Candidate Starts for Sue2_37:
(10, 26997), (Start: 35 @26877 has 1 MA's), (38, 26871), (40, 26868), (55, 26796), (59, 26769), (60, 26763),

Gene: Tallboi_37 Start: 27555, Stop: 27376, Start Num: 30
Candidate Starts for Tallboi_37:
(Start: 30 @27555 has 46 MA's), (49, 27501), (50, 27489), (53, 27474), (59, 27438),

Gene: Tbone_35 Start: 25613, Stop: 25446, Start Num: 30
Candidate Starts for Tbone_35:
(6, 25739), (7, 25736), (11, 25718), (14, 25706), (24, 25640), (Start: 30 @25613 has 46 MA's), (45, 25586), (56, 25523), (60, 25493),

Gene: TforTroy_38 Start: 26539, Stop: 26378, Start Num: 30
Candidate Starts for TforTroy_38:
(7, 26653), (11, 26635), (24, 26560), (Start: 30 @26539 has 46 MA's), (58, 26434), (59, 26431), (60, 26425), (62, 26395),

Gene: ThursdayNight_41 Start: 27462, Stop: 27292, Start Num: 31
Candidate Starts for ThursdayNight_41:
(Start: 31 @27462 has 1 MA's), (39, 27447), (49, 27417), (53, 27387), (55, 27381), (56, 27375), (60, 27345),

Gene: Tian_36 Start: 27343, Stop: 27161, Start Num: 30
Candidate Starts for Tian_36:
(23, 27373), (Start: 30 @27343 has 46 MA's), (51, 27274), (59, 27223), (60, 27217),

Gene: Tutumahutu_36 Start: 25785, Stop: 25618, Start Num: 30
Candidate Starts for Tutumahutu_36:
(24, 25812), (Start: 30 @25785 has 46 MA's), (45, 25758), (56, 25695), (60, 25665),

Gene: Tweety19_36 Start: 25069, Stop: 24911, Start Num: 30
Candidate Starts for Tweety19_36:
(Start: 30 @25069 has 46 MA's), (42, 25048), (59, 24961),

Gene: VResidence_37 Start: 25954, Stop: 25781, Start Num: 30
Candidate Starts for VResidence_37:
(Start: 30 @25954 has 46 MA's), (59, 25834), (60, 25828),

Gene: VroomVroom_41 Start: 27510, Stop: 27322, Start Num: 30
Candidate Starts for VroomVroom_41:

(3, 27657), (5, 27636), (12, 27606), (20, 27570), (Start: 30 @27510 has 46 MA's), (44, 27480), (60, 27375), (62, 27345),

Gene: Warda_36 Start: 25789, Stop: 25622, Start Num: 30
Candidate Starts for Warda_36:
(6, 25915), (7, 25912), (11, 25894), (14, 25882), (24, 25816), (Start: 30 @25789 has 46 MA's), (45, 25762), (56, 25699), (60, 25669),

Gene: Wildwest_36 Start: 25977, Stop: 25810, Start Num: 30
Candidate Starts for Wildwest_36:
(23, 26013), (Start: 30 @25977 has 46 MA's), (47, 25941), (56, 25887),

Gene: Yang_69 Start: 26035, Stop: 25871, Start Num: 30
Candidate Starts for Yang_69:
(25, 26056), (Start: 30 @26035 has 46 MA's), (37, 26023), (59, 25927),

Gene: YesChef_36 Start: 25762, Stop: 25595, Start Num: 30
Candidate Starts for YesChef_36:
(24, 25789), (Start: 30 @25762 has 46 MA's), (45, 25735), (56, 25672), (60, 25642),