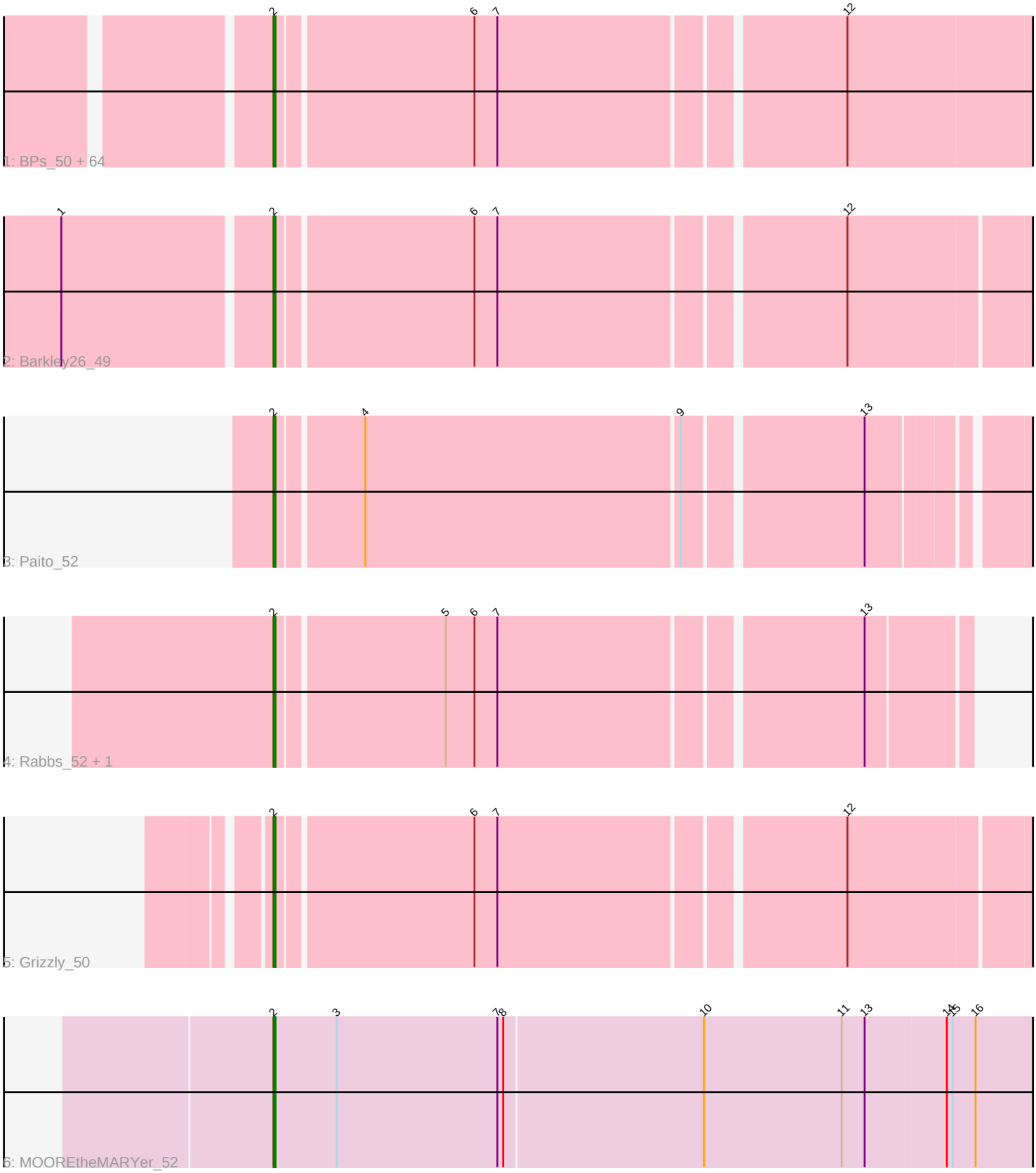
Pham 342040


2
6
7
12
1: BPs_50 + 64
1
2
6
7
12
2: Barkley26_49
2
4
9
13
3: Paito_52
2
5
6
7
13
4: Rabbs_52 + 1
2
6
7
12
5: Grizzly_50
2
3
7
8
10
11
13
14
15
16
6: MOOREtheMARYer_52

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 342040 Report

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

Pham number 342040 has 71 members, 4 are drafts.

Phages represented in each track:
• Track 1 : BPs_50, Crespo_49, Phloodle_50, DNAIII_0048, CassieYates_50, Darionha_50, Kareem_50, JorRay_50, Jeilious_50, Zombie_49, TomBrady_50, BruceB_50, Coleslaw_50, CLED96_50, Neoh_51, Ruriko_50, Aroostook_50, Phish_49, Chance64_50, Marmie_50, Schiebel_50, Angel_50, Richarlison_50, Avrafan_50, Sizemore_50, Kasen3_50, Camri_50, Plagueis_50, Peeb_49, Frosty24_50, DingDing_50, Olga_50, ForeverHowLong_48, Gideon_51, Terralys_47, Renaissance_50, Cedasite_50, OctaviousRex_49, Primanti_48, Halo_50, Cherrybomb426_50, PinkYoshi_50, DMoney_49, Wendigo_50, BQuat_50, AizenPogi_49, Sweets_49, ZoMa_48, Annihilator_50, Jane_50, Maliketh_50, Remy19_50, TinaBug_50, MZKinsey_50, Jonghyun_48, ShaboiShabazz_49, GoldenAsh_49, Hotshotbaby7_50, Hope_50, Phreak_50, ECartman_48, Mowgli_50, Gomashi_49, AzulaCat_50, LouisV14_52
• Track 2 : Barkley26_49
• Track 3 : Paito_52
• Track 4 : Rabbs_52, Sneeze_51
• Track 5 : Grizzly_50
• Track 6 : MOOREtheMARYer_52

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

The start number called the most often in the published annotations is 2, it was called in 67 of the 67 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AizenPogi_49, Angel_50, Annihilator_50, Aroostook_50, Avrafan_50, AzulaCat_50, BPs_50, BQuat_50, Barkley26_49, BruceB_50, CLED96_50, Camri_50, CassieYates_50, Cedasite_50, Chance64_50, Cherrybomb426_50, Coleslaw_50, Crespo_49, DMoney_49, DNAIII_0048, Darionha_50, DingDing_50, ECartman_48, ForeverHowLong_48, Frosty24_50, Gideon_51, GoldenAsh_49, Gomashi_49, Grizzly_50, Halo_50, Hope_50, Hotshotbaby7_50, Jane_50, Jeilious_50, Jonghyun_48, JorRay_50, Kareem_50, Kasen3_50, LouisV14_52, MOOREtheMARYer_52, MZKinsey_50, Maliketh_50, Marmie_50, Mowgli_50, Neoh_51, OctaviousRex_49, Olga_50, Paito_52, Peeb_49, Phish_49, Phloodle_50, Phreak_50, PinkYoshi_50, Plagueis_50, Primanti_48, Rabbs_52, Remy19_50,

Renaissance_50, Richarlison_50, Ruriko_50, Schiebel_50, ShaboiShabazz_49, Sizemore_50, Sneeze_51, Sweets_49, Terralys_47, TinaBug_50, TomBrady_50, Wendigo_50, ZoMa_48, Zombie_49,

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

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

Summary by start number:

Start 2:
• Found in 71 of 71 (100.0%) of genes in pham
• Manual Annotations of this start: 67 of 67
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AizenPogi_49 (G1), Angel_50 (G1), Annihilator_50 (G1), Aroostook_50 (G1), Avrafan_50 (G1), AzulaCat_50 (G1), BPs_50 (G1), BQuat_50 (G1), Barkley26_49 (G1), BruceB_50 (G1), CLED96_50 (G1), Camri_50 (G1), CassieYates_50 (G1), Cedasite_50 (G1), Chance64_50 (G1), Cherrybomb426_50 (G1), Coleslaw_50 (G1), Crespo_49 (G1), DMoney_49 (G1), DNAIII_0048 (G1), Darionha_50 (G1), DingDing_50 (G1), ECartman_48 (G1), ForeverHowLong_48 (G1), Frosty24_50 (G1), Gideon_51 (G1), GoldenAsh_49 (G1), Gomashi_49 (G1), Grizzly_50 (G1), Halo_50 (G1), Hope_50 (G1), Hotshotbaby7_50 (G1), Jane_50 (G1), Jeilious_50 (G), Jonghyun_48 (G1), JorRay_50 (G1), Kareem_50 (G1), Kasen3_50 (G1), LouisV14_52 (G1), MOOREtheMARYer_52 (G3), MZKinsey_50 (G1), Maliketh_50 (G1), Marmie_50 (G1), Mowgli_50 (G1), Neoh_51 (G), OctaviousRex_49 (G1), Olga_50 (G1), Paito_52 (G1), Peeb_49 (G1), Phish_49 (G1), Phloodle_50 (G1), Phreak_50 (G1), PinkYoshi_50 (G1), Plagueis_50 (G1), Primanti_48 (G1), Rabbs_52 (G1), Remy19_50 (G1), Renaissance_50 (G1), Richarlison_50 (G1), Ruriko_50 (G1), Schiebel_50 (G1), ShaboiShabazz_49 (G1), Sizemore_50 (G1), Sneeze_51 (G1), Sweets_49 (G1), Terralys_47 (G1), TinaBug_50 (G1), TomBrady_50 (G1), Wendigo_50 (G1), ZoMa_48 (G1), Zombie_49 (G1),

Summary by clusters:

There are 3 clusters represented in this pham: G3, G, G1,

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

Info for manual annotations of cluster G1:
•Start number 2 was manually annotated 64 times for cluster G1.

Info for manual annotations of cluster G3:
•Start number 2 was manually annotated 1 time for cluster G3.

Gene Information:

Gene: AizenPogi_49 Start: 36477, Stop: 36917, Start Num: 2
Candidate Starts for AizenPogi_49:

(Start: 2 @36477 has 67 MA's), (6, 36576), (7, 36588), (12, 36759),

Gene: Angel_50 Start: 36462, Stop: 36902, Start Num: 2
Candidate Starts for Angel_50:
(Start: 2 @36462 has 67 MA's), (6, 36561), (7, 36573), (12, 36744),

Gene: Annihilator_50 Start: 36468, Stop: 36908, Start Num: 2
Candidate Starts for Annihilator_50:
(Start: 2 @36468 has 67 MA's), (6, 36567), (7, 36579), (12, 36750),

Gene: Aroostook_50 Start: 36477, Stop: 36917, Start Num: 2
Candidate Starts for Aroostook_50:
(Start: 2 @36477 has 67 MA's), (6, 36576), (7, 36588), (12, 36759),

Gene: Avrafan_50 Start: 36477, Stop: 36917, Start Num: 2
Candidate Starts for Avrafan_50:
(Start: 2 @36477 has 67 MA's), (6, 36576), (7, 36588), (12, 36759),

Gene: AzulaCat_50 Start: 36477, Stop: 36917, Start Num: 2
Candidate Starts for AzulaCat_50:
(Start: 2 @36477 has 67 MA's), (6, 36576), (7, 36588), (12, 36759),

Gene: BPs_50 Start: 36477, Stop: 36917, Start Num: 2
Candidate Starts for BPs_50:
(Start: 2 @36477 has 67 MA's), (6, 36576), (7, 36588), (12, 36759),

Gene: BQuat_50 Start: 36914, Stop: 37354, Start Num: 2
Candidate Starts for BQuat_50:
(Start: 2 @36914 has 67 MA's), (6, 37013), (7, 37025), (12, 37196),

Gene: Barkley26_49 Start: 36379, Stop: 36822, Start Num: 2
Candidate Starts for Barkley26_49:
(1, 36274), (Start: 2 @36379 has 67 MA's), (6, 36478), (7, 36490), (12, 36661),

Gene: BruceB_50 Start: 36477, Stop: 36917, Start Num: 2
Candidate Starts for BruceB_50:
(Start: 2 @36477 has 67 MA's), (6, 36576), (7, 36588), (12, 36759),

Gene: CLED96_50 Start: 36477, Stop: 36917, Start Num: 2
Candidate Starts for CLED96_50:
(Start: 2 @36477 has 67 MA's), (6, 36576), (7, 36588), (12, 36759),

Gene: Camri_50 Start: 36477, Stop: 36917, Start Num: 2
Candidate Starts for Camri_50:
(Start: 2 @36477 has 67 MA's), (6, 36576), (7, 36588), (12, 36759),

Gene: CassieYates_50 Start: 36477, Stop: 36917, Start Num: 2
Candidate Starts for CassieYates_50:
(Start: 2 @36477 has 67 MA's), (6, 36576), (7, 36588), (12, 36759),

Gene: Cedasite_50 Start: 36477, Stop: 36917, Start Num: 2
Candidate Starts for Cedasite_50:
(Start: 2 @36477 has 67 MA's), (6, 36576), (7, 36588), (12, 36759),

Gene: Chance64_50 Start: 36477, Stop: 36917, Start Num: 2
Candidate Starts for Chance64_50:
(Start: 2 @36477 has 67 MA's), (6, 36576), (7, 36588), (12, 36759),

Gene: Cherrybomb426_50 Start: 36477, Stop: 36917, Start Num: 2
Candidate Starts for Cherrybomb426_50:
(Start: 2 @36477 has 67 MA's), (6, 36576), (7, 36588), (12, 36759),

Gene: Coleslaw_50 Start: 36914, Stop: 37354, Start Num: 2
Candidate Starts for Coleslaw_50:
(Start: 2 @36914 has 67 MA's), (6, 37013), (7, 37025), (12, 37196),

Gene: Crespo_49 Start: 36478, Stop: 36918, Start Num: 2
Candidate Starts for Crespo_49:
(Start: 2 @36478 has 67 MA's), (6, 36577), (7, 36589), (12, 36760),

Gene: DMoney_49 Start: 36477, Stop: 36917, Start Num: 2
Candidate Starts for DMoney_49:
(Start: 2 @36477 has 67 MA's), (6, 36576), (7, 36588), (12, 36759),

Gene: DNAIII_0048 Start: 35012, Stop: 35452, Start Num: 2
Candidate Starts for DNAIII_0048:
(Start: 2 @35012 has 67 MA's), (6, 35111), (7, 35123), (12, 35294),

Gene: Darionha_50 Start: 36477, Stop: 36917, Start Num: 2
Candidate Starts for Darionha_50:
(Start: 2 @36477 has 67 MA's), (6, 36576), (7, 36588), (12, 36759),

Gene: DingDing_50 Start: 36477, Stop: 36917, Start Num: 2
Candidate Starts for DingDing_50:
(Start: 2 @36477 has 67 MA's), (6, 36576), (7, 36588), (12, 36759),

Gene: ECartman_48 Start: 36477, Stop: 36917, Start Num: 2
Candidate Starts for ECartman_48:
(Start: 2 @36477 has 67 MA's), (6, 36576), (7, 36588), (12, 36759),

Gene: ForeverHowLong_48 Start: 36472, Stop: 36912, Start Num: 2
Candidate Starts for ForeverHowLong_48:
(Start: 2 @36472 has 67 MA's), (6, 36571), (7, 36583), (12, 36754),

Gene: Frosty24_50 Start: 36477, Stop: 36917, Start Num: 2
Candidate Starts for Frosty24_50:
(Start: 2 @36477 has 67 MA's), (6, 36576), (7, 36588), (12, 36759),

Gene: Gideon_51 Start: 36924, Stop: 37364, Start Num: 2
Candidate Starts for Gideon_51:
(Start: 2 @36924 has 67 MA's), (6, 37023), (7, 37035), (12, 37206),

Gene: GoldenAsh_49 Start: 36462, Stop: 36902, Start Num: 2
Candidate Starts for GoldenAsh_49:
(Start: 2 @36462 has 67 MA's), (6, 36561), (7, 36573), (12, 36744),

Gene: Gomashi_49 Start: 36478, Stop: 36918, Start Num: 2
Candidate Starts for Gomashi_49:
(Start: 2 @36478 has 67 MA's), (6, 36577), (7, 36589), (12, 36760),

Gene: Grizzly_50 Start: 36549, Stop: 36989, Start Num: 2
Candidate Starts for Grizzly_50:
(Start: 2 @36549 has 67 MA's), (6, 36648), (7, 36660), (12, 36831),

Gene: Halo_50 Start: 36472, Stop: 36912, Start Num: 2
Candidate Starts for Halo_50:
(Start: 2 @36472 has 67 MA's), (6, 36571), (7, 36583), (12, 36754),

Gene: Hope_50 Start: 36477, Stop: 36917, Start Num: 2
Candidate Starts for Hope_50:
(Start: 2 @36477 has 67 MA's), (6, 36576), (7, 36588), (12, 36759),

Gene: Hotshotbaby7_50 Start: 36477, Stop: 36917, Start Num: 2
Candidate Starts for Hotshotbaby7_50:
(Start: 2 @36477 has 67 MA's), (6, 36576), (7, 36588), (12, 36759),

Gene: Jane_50 Start: 36477, Stop: 36917, Start Num: 2
Candidate Starts for Jane_50:
(Start: 2 @36477 has 67 MA's), (6, 36576), (7, 36588), (12, 36759),

Gene: Jeilious_50 Start: 36476, Stop: 36916, Start Num: 2
Candidate Starts for Jeilious_50:
(Start: 2 @36476 has 67 MA's), (6, 36575), (7, 36587), (12, 36758),

Gene: Jonghyun_48 Start: 36477, Stop: 36917, Start Num: 2
Candidate Starts for Jonghyun_48:
(Start: 2 @36477 has 67 MA's), (6, 36576), (7, 36588), (12, 36759),

Gene: JorRay_50 Start: 36477, Stop: 36917, Start Num: 2
Candidate Starts for JorRay_50:
(Start: 2 @36477 has 67 MA's), (6, 36576), (7, 36588), (12, 36759),

Gene: Kareem_50 Start: 36477, Stop: 36917, Start Num: 2
Candidate Starts for Kareem_50:
(Start: 2 @36477 has 67 MA's), (6, 36576), (7, 36588), (12, 36759),

Gene: Kasen3_50 Start: 36463, Stop: 36903, Start Num: 2
Candidate Starts for Kasen3_50:
(Start: 2 @36463 has 67 MA's), (6, 36562), (7, 36574), (12, 36745),

Gene: LouisV14_52 Start: 38742, Stop: 39182, Start Num: 2
Candidate Starts for LouisV14_52:
(Start: 2 @38742 has 67 MA's), (6, 38841), (7, 38853), (12, 39024),

Gene: MOOREtheMARYer_52 Start: 38230, Stop: 38625, Start Num: 2
Candidate Starts for MOOREtheMARYer_52:
(Start: 2 @38230 has 67 MA's), (3, 38263), (7, 38347), (8, 38350), (10, 38452), (11, 38524), (13, 38536), (14, 38578), (15, 38581), (16, 38593),

Gene: MZKinsey_50 Start: 36477, Stop: 36917, Start Num: 2
Candidate Starts for MZKinsey_50:
(Start: 2 @36477 has 67 MA's), (6, 36576), (7, 36588), (12, 36759),

Gene: Maliketh_50 Start: 36477, Stop: 36917, Start Num: 2
Candidate Starts for Maliketh_50:
(Start: 2 @36477 has 67 MA's), (6, 36576), (7, 36588), (12, 36759),

Gene: Marmie_50 Start: 36477, Stop: 36917, Start Num: 2
Candidate Starts for Marmie_50:
(Start: 2 @36477 has 67 MA's), (6, 36576), (7, 36588), (12, 36759),

Gene: Mowgli_50 Start: 36477, Stop: 36917, Start Num: 2
Candidate Starts for Mowgli_50:
(Start: 2 @36477 has 67 MA's), (6, 36576), (7, 36588), (12, 36759),

Gene: Neoh_51 Start: 36915, Stop: 37355, Start Num: 2
Candidate Starts for Neoh_51:
(Start: 2 @36915 has 67 MA's), (6, 37014), (7, 37026), (12, 37197),

Gene: OctaviousRex_49 Start: 36477, Stop: 36917, Start Num: 2
Candidate Starts for OctaviousRex_49:
(Start: 2 @36477 has 67 MA's), (6, 36576), (7, 36588), (12, 36759),

Gene: Olga_50 Start: 36477, Stop: 36917, Start Num: 2
Candidate Starts for Olga_50:
(Start: 2 @36477 has 67 MA's), (6, 36576), (7, 36588), (12, 36759),

Gene: Paito_52 Start: 37171, Stop: 37599, Start Num: 2
Candidate Starts for Paito_52:
(Start: 2 @37171 has 67 MA's), (4, 37213), (9, 37375), (13, 37462),

Gene: Peeb_49 Start: 36468, Stop: 36908, Start Num: 2
Candidate Starts for Peeb_49:
(Start: 2 @36468 has 67 MA's), (6, 36567), (7, 36579), (12, 36750),

Gene: Phish_49 Start: 36477, Stop: 36917, Start Num: 2
Candidate Starts for Phish_49:
(Start: 2 @36477 has 67 MA's), (6, 36576), (7, 36588), (12, 36759),

Gene: Phloodle_50 Start: 36492, Stop: 36932, Start Num: 2
Candidate Starts for Phloodle_50:
(Start: 2 @36492 has 67 MA's), (6, 36591), (7, 36603), (12, 36774),

Gene: Phreak_50 Start: 36477, Stop: 36917, Start Num: 2
Candidate Starts for Phreak_50:
(Start: 2 @36477 has 67 MA's), (6, 36576), (7, 36588), (12, 36759),

Gene: PinkYoshi_50 Start: 36468, Stop: 36908, Start Num: 2
Candidate Starts for PinkYoshi_50:
(Start: 2 @36468 has 67 MA's), (6, 36567), (7, 36579), (12, 36750),

Gene: Plagueis_50 Start: 36297, Stop: 36737, Start Num: 2

Candidate Starts for Plagueis_50:
(Start: 2 @36297 has 67 MA's), (6, 36396), (7, 36408), (12, 36579),

Gene: Primanti_48 Start: 36477, Stop: 36917, Start Num: 2
Candidate Starts for Primanti_48:
(Start: 2 @36477 has 67 MA's), (6, 36576), (7, 36588), (12, 36759),

Gene: Rabbs_52 Start: 36715, Stop: 37056, Start Num: 2
Candidate Starts for Rabbs_52:
(Start: 2 @36715 has 67 MA's), (5, 36799), (6, 36814), (7, 36826), (13, 37006),

Gene: Remy19_50 Start: 36477, Stop: 36917, Start Num: 2
Candidate Starts for Remy19_50:
(Start: 2 @36477 has 67 MA's), (6, 36576), (7, 36588), (12, 36759),

Gene: Renaissance_50 Start: 36477, Stop: 36917, Start Num: 2
Candidate Starts for Renaissance_50:
(Start: 2 @36477 has 67 MA's), (6, 36576), (7, 36588), (12, 36759),

Gene: Richarlison_50 Start: 36462, Stop: 36902, Start Num: 2
Candidate Starts for Richarlison_50:
(Start: 2 @36462 has 67 MA's), (6, 36561), (7, 36573), (12, 36744),

Gene: Ruriko_50 Start: 36477, Stop: 36917, Start Num: 2
Candidate Starts for Ruriko_50:
(Start: 2 @36477 has 67 MA's), (6, 36576), (7, 36588), (12, 36759),

Gene: Schiebel_50 Start: 36462, Stop: 36902, Start Num: 2
Candidate Starts for Schiebel_50:
(Start: 2 @36462 has 67 MA's), (6, 36561), (7, 36573), (12, 36744),

Gene: ShaboiShabazz_49 Start: 36477, Stop: 36917, Start Num: 2
Candidate Starts for ShaboiShabazz_49:
(Start: 2 @36477 has 67 MA's), (6, 36576), (7, 36588), (12, 36759),

Gene: Sizemore_50 Start: 36463, Stop: 36903, Start Num: 2
Candidate Starts for Sizemore_50:
(Start: 2 @36463 has 67 MA's), (6, 36562), (7, 36574), (12, 36745),

Gene: Sneeze_51 Start: 36714, Stop: 37055, Start Num: 2
Candidate Starts for Sneeze_51:
(Start: 2 @36714 has 67 MA's), (5, 36798), (6, 36813), (7, 36825), (13, 37005),

Gene: Sweets_49 Start: 36472, Stop: 36912, Start Num: 2
Candidate Starts for Sweets_49:
(Start: 2 @36472 has 67 MA's), (6, 36571), (7, 36583), (12, 36754),

Gene: Terralys_47 Start: 36411, Stop: 36851, Start Num: 2
Candidate Starts for Terralys_47:
(Start: 2 @36411 has 67 MA's), (6, 36510), (7, 36522), (12, 36693),

Gene: TinaBug_50 Start: 36472, Stop: 36912, Start Num: 2
Candidate Starts for TinaBug_50:

(Start: 2 @36472 has 67 MA's), (6, 36571), (7, 36583), (12, 36754),

Gene: TomBrady_50 Start: 36478, Stop: 36918, Start Num: 2
Candidate Starts for TomBrady_50:
(Start: 2 @36478 has 67 MA's), (6, 36577), (7, 36589), (12, 36760),

Gene: Wendigo_50 Start: 36477, Stop: 36917, Start Num: 2
Candidate Starts for Wendigo_50:
(Start: 2 @36477 has 67 MA's), (6, 36576), (7, 36588), (12, 36759),

Gene: ZoMa_48 Start: 36477, Stop: 36917, Start Num: 2
Candidate Starts for ZoMa_48:
(Start: 2 @36477 has 67 MA's), (6, 36576), (7, 36588), (12, 36759),

Gene: Zombie_49 Start: 36477, Stop: 36917, Start Num: 2
Candidate Starts for Zombie_49:
(Start: 2 @36477 has 67 MA's), (6, 36576), (7, 36588), (12, 36759),