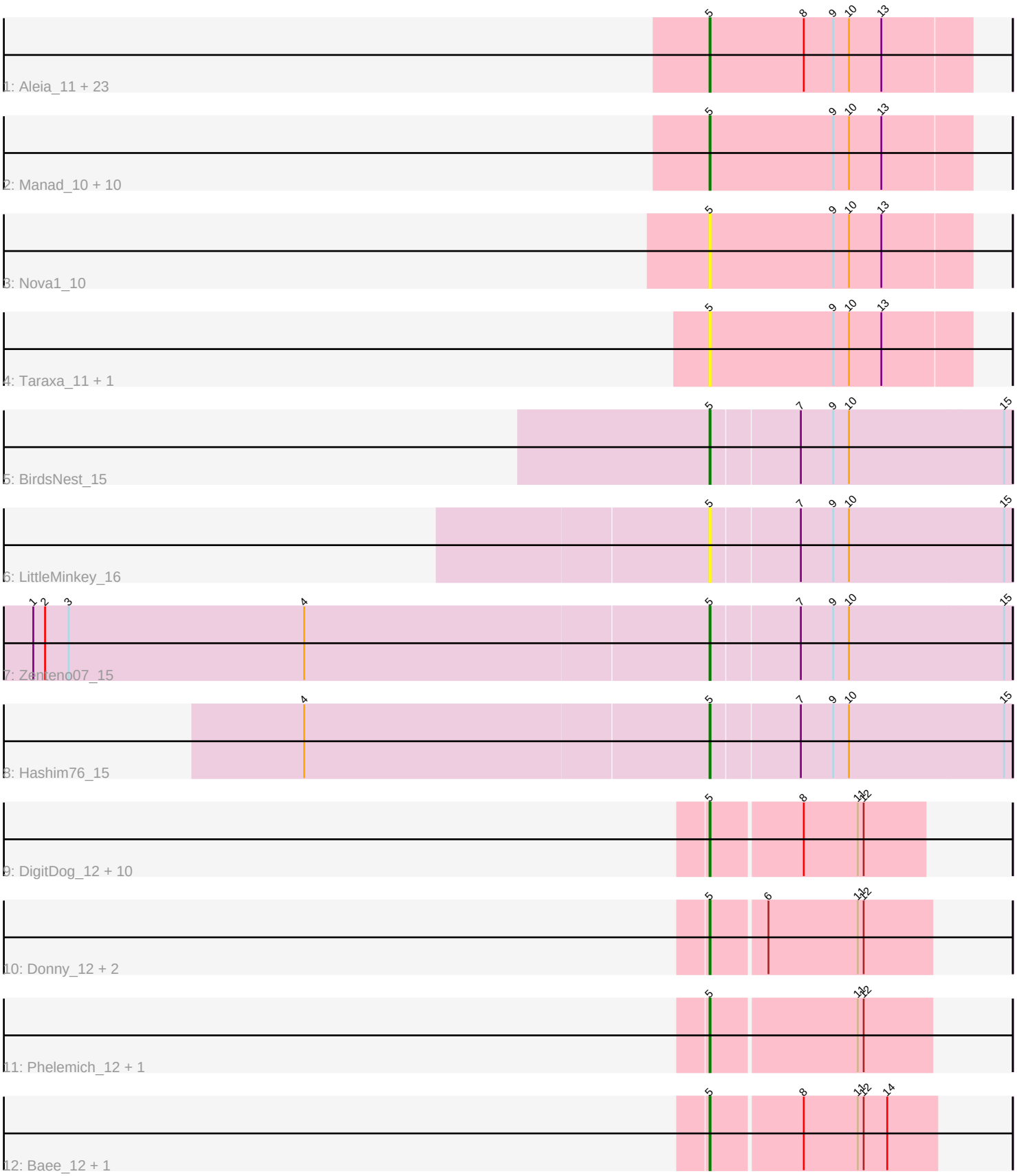
Pham 330883


5
8
9
10
13
1: Aleia_11 + 23
5
9
10
13
2: Manad_10 + 10
5
9
10
13
3: Nova1_10
5
9
10
13
4: Taraxa_11 + 1
5
7
9
10
15
5: BirdsNest_15
5
7
9
10
15
6: LittleMinkey_16
1
2
3
4
5
7
9
10
15
7: Zenteno07_15
4
5
7
9
10
15
8: Hashim76_15
5
8
11
12
9: DigitDog_12 + 10
5
6
11
12
10: Donny_12 + 2
5
11
12
11: Phelemich_12 + 1
5
8
11
12
14
12: Baee_12 + 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 330883 Report

This analysis was run 09/05/26 on database version 662.

Pham number 330883 has 60 members, 18 are drafts.

Phages represented in each track:
• Track 1 : Aleia_11, DuchessDung_10, Maskar_10, CharlieGBrown_10, Vectra_10, Phergie_10, BatteryCK_10, Phleuron_10, Labeouficaum_10, Derpp_10, Oline_10, ImtiyazSitla_10, TyrionL_10, Kiwot_10, Jiminy_10, Kwksand96_10, PhenghisKhan_10, MelsMeow_10, MichaelPhcott_10, Ashraf_10, PhrankReynolds_10, Pinkman_10, Salazzle_10, Struggle_10
• Track 2 : Manad_10, EmGer13_10, Lopsy_10, Triad_11, Schadenfreude_10, Antonia_10, Cornobble_10, Crownjwl_11, Lehmann_11, Robyn_10, Aelin_10
• Track 3 : Nova1_10
• Track 4 : Taraxa_11, Jbug01_11
• Track 5 : BirdsNest_15
• Track 6 : LittleMinkey_16
• Track 7 : Zenteno07_15
• Track 8 : Hashim76_15
• Track 9 : DigitDog_12, Nangang_12, EastView9101_12, KarasumaRum_13, Shenyu_12, Serendipitous_12, Mysterious_12, Rita130_12, StinkyVeggy_13, Nehemiah_11, Reccee_12
• Track 10 : Donny_12, Suigeneris_12, Acadian_12
• Track 11 : Phelemich_12, Reprobate_12
• Track 12 : Baee_12, Rich_12

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

The start number called the most often in the published annotations is 5, it was called in 42 of the 42 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Acadian_12, Aelin_10, Aleia_11, Antonia_10, Ashraf_10, Baee_12, BatteryCK_10, BirdsNest_15, CharlieGBrown_10, Cornobble_10, Crownjwl_11, Derpp_10, DigitDog_12, Donny_12, DuchessDung_10, EastView9101_12, EmGer13_10, Hashim76_15, ImtiyazSitla_10, Jbug01_11, Jiminy_10, KarasumaRum_13, Kiwot_10, Kwksand96_10, Labeouficaum_10, Lehmann_11, LittleMinkey_16, Lopsy_10, Manad_10, Maskar_10, MelsMeow_10, MichaelPhcott_10, Mysterious_12, Nangang_12, Nehemiah_11, Nova1_10, Oline_10, Phelemich_12, PhenghisKhan_10, Phergie_10, Phleuron_10, PhrankReynolds_10, Pinkman_10,

Reccee_12, Reprobate_12, Rich_12, Rita130_12, Robyn_10, Salazzle_10, Schadenfreude_10, Serendipitous_12, Shenyu_12, StinkyVeggy_13, Struggle_10, Suigeneris_12, Taraxa_11, Triad_11, TyrionL_10, Vectra_10, Zenteno07_15,

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 5:
• Found in 60 of 60 (100.0%) of genes in pham
• Manual Annotations of this start: 42 of 42
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Acadian_12 (B5), Aelin_10 (B1), Aleia_11 (B1), Antonia_10 (B1), Ashraf_10 (B1), Baee_12 (B5), BatteryCK_10 (B1), BirdsNest_15 (B13), CharlieGBrown_10 (B1), Cornobble_10 (B1), Crownjwl_11 (B1), Derpp_10 (B1), DigitDog_12 (B5), Donny_12 (B5), DuchessDung_10 (B1), EastView9101_12 (B5), EmGer13_10 (B1), Hashim76_15 (B13), ImtiyazSitla_10 (B1), Jbug01_11 (B1), Jiminy_10 (B1), KarasumaRum_13 (B5), Kiwot_10 (B1), Kwksand96_10 (B1), Labeouficaum_10 (B1), Lehmann_11 (B1), LittleMinkey_16 (B13), Lopsy_10 (B1), Manad_10 (B1), Maskar_10 (B1), MelsMeow_10 (B1), MichaelPhcott_10 (B1), Mysterious_12 (B5), Nangang_12 (B5), Nehemiah_11 (B5), Nova1_10 (B1), Oline_10 (B1), Phelemich_12 (B5), PhenghisKhan_10 (B1), Phergie_10 (B1), Phleuron_10 (B1), PhrankReynolds_10 (B1), Pinkman_10 (B1), Reccee_12 (B5), Reprobate_12 (B5), Rich_12 (B5), Rita130_12 (B5), Robyn_10 (B1), Salazzle_10 (B1), Schadenfreude_10 (B1), Serendipitous_12 (B5), Shenyu_12 (B5), StinkyVeggy_13 (B5), Struggle_10 (B1), Suigeneris_12 (B5), Taraxa_11 (B1), Triad_11 (B1), TyrionL_10 (B1), Vectra_10 (B1), Zenteno07_15 (B13),

Summary by clusters:

There are 3 clusters represented in this pham: B5, B1, B13,

Info for manual annotations of cluster B1:
•Start number 5 was manually annotated 28 times for cluster B1.

Info for manual annotations of cluster B13:
•Start number 5 was manually annotated 3 times for cluster B13.

Info for manual annotations of cluster B5:
•Start number 5 was manually annotated 11 times for cluster B5.

Gene Information:

Gene: Acadian_12 Start: 11068, Stop: 11286, Start Num: 5
Candidate Starts for Acadian_12:
(Start: 5 @11068 has 42 MA's), (6, 11122), (11, 11212), (12, 11218),

Gene: Aelin_10 Start: 8930, Stop: 9193, Start Num: 5
Candidate Starts for Aelin_10:
(Start: 5 @8930 has 42 MA's), (9, 9056), (10, 9071), (13, 9104),

Gene: Aleia_11 Start: 8947, Stop: 9210, Start Num: 5
Candidate Starts for Aleia_11:
(Start: 5 @8947 has 42 MA's), (8, 9043), (9, 9073), (10, 9088), (13, 9121),

Gene: Antonia_10 Start: 8930, Stop: 9193, Start Num: 5
Candidate Starts for Antonia_10:
(Start: 5 @8930 has 42 MA's), (9, 9056), (10, 9071), (13, 9104),

Gene: Ashraf_10 Start: 8927, Stop: 9190, Start Num: 5
Candidate Starts for Ashraf_10:
(Start: 5 @8927 has 42 MA's), (8, 9023), (9, 9053), (10, 9068), (13, 9101),

Gene: Baee_12 Start: 11074, Stop: 11298, Start Num: 5
Candidate Starts for Baee_12:
(Start: 5 @11074 has 42 MA's), (8, 11164), (11, 11218), (12, 11224), (14, 11248),

Gene: BatteryCK_10 Start: 8933, Stop: 9196, Start Num: 5
Candidate Starts for BatteryCK_10:
(Start: 5 @8933 has 42 MA's), (8, 9029), (9, 9059), (10, 9074), (13, 9107),

Gene: BirdsNest_15 Start: 9740, Stop: 10039, Start Num: 5
Candidate Starts for BirdsNest_15:
(Start: 5 @9740 has 42 MA's), (7, 9827), (9, 9860), (10, 9875), (15, 10031),

Gene: CharlieGBrown_10 Start: 8951, Stop: 9214, Start Num: 5
Candidate Starts for CharlieGBrown_10:
(Start: 5 @8951 has 42 MA's), (8, 9047), (9, 9077), (10, 9092), (13, 9125),

Gene: Cornobble_10 Start: 8931, Stop: 9194, Start Num: 5
Candidate Starts for Cornobble_10:
(Start: 5 @8931 has 42 MA's), (9, 9057), (10, 9072), (13, 9105),

Gene: Crownjwl_11 Start: 9165, Stop: 9428, Start Num: 5
Candidate Starts for Crownjwl_11:
(Start: 5 @9165 has 42 MA's), (9, 9291), (10, 9306), (13, 9339),

Gene: Derpp_10 Start: 8939, Stop: 9202, Start Num: 5
Candidate Starts for Derpp_10:
(Start: 5 @8939 has 42 MA's), (8, 9035), (9, 9065), (10, 9080), (13, 9113),

Gene: DigitDog_12 Start: 11071, Stop: 11283, Start Num: 5
Candidate Starts for DigitDog_12:
(Start: 5 @11071 has 42 MA's), (8, 11161), (11, 11215), (12, 11221),

Gene: Donny_12 Start: 11070, Stop: 11288, Start Num: 5
Candidate Starts for Donny_12:
(Start: 5 @11070 has 42 MA's), (6, 11124), (11, 11214), (12, 11220),

Gene: DuchessDung_10 Start: 8933, Stop: 9196, Start Num: 5

Candidate Starts for DuchessDung_10:
(Start: 5 @8933 has 42 MA's), (8, 9029), (9, 9059), (10, 9074), (13, 9107),

Gene: EastView9101_12 Start: 11073, Stop: 11291, Start Num: 5
Candidate Starts for EastView9101_12:
(Start: 5 @11073 has 42 MA's), (8, 11163), (11, 11217), (12, 11223),

Gene: EmGer13_10 Start: 8930, Stop: 9193, Start Num: 5
Candidate Starts for EmGer13_10:
(Start: 5 @8930 has 42 MA's), (9, 9056), (10, 9071), (13, 9104),

Gene: Hashim76_15 Start: 10023, Stop: 10322, Start Num: 5
Candidate Starts for Hashim76_15:
(4, 9615), (Start: 5 @10023 has 42 MA's), (7, 10110), (9, 10143), (10, 10158), (15, 10314),

Gene: ImtiyazSitla_10 Start: 8927, Stop: 9190, Start Num: 5
Candidate Starts for ImtiyazSitla_10:
(Start: 5 @8927 has 42 MA's), (8, 9023), (9, 9053), (10, 9068), (13, 9101),

Gene: Jbug01_11 Start: 8947, Stop: 9210, Start Num: 5
Candidate Starts for Jbug01_11:
(Start: 5 @8947 has 42 MA's), (9, 9073), (10, 9088), (13, 9121),

Gene: Jiminy_10 Start: 8935, Stop: 9198, Start Num: 5
Candidate Starts for Jiminy_10:
(Start: 5 @8935 has 42 MA's), (8, 9031), (9, 9061), (10, 9076), (13, 9109),

Gene: KarasumaRum_13 Start: 11235, Stop: 11447, Start Num: 5
Candidate Starts for KarasumaRum_13:
(Start: 5 @11235 has 42 MA's), (8, 11325), (11, 11379), (12, 11385),

Gene: Kiwot_10 Start: 8935, Stop: 9198, Start Num: 5
Candidate Starts for Kiwot_10:
(Start: 5 @8935 has 42 MA's), (8, 9031), (9, 9061), (10, 9076), (13, 9109),

Gene: Kwksand96_10 Start: 8933, Stop: 9196, Start Num: 5
Candidate Starts for Kwksand96_10:
(Start: 5 @8933 has 42 MA's), (8, 9029), (9, 9059), (10, 9074), (13, 9107),

Gene: Labeouficaum_10 Start: 8939, Stop: 9202, Start Num: 5
Candidate Starts for Labeouficaum_10:
(Start: 5 @8939 has 42 MA's), (8, 9035), (9, 9065), (10, 9080), (13, 9113),

Gene: Lehmann_11 Start: 8930, Stop: 9193, Start Num: 5
Candidate Starts for Lehmann_11:
(Start: 5 @8930 has 42 MA's), (9, 9056), (10, 9071), (13, 9104),

Gene: LittleMinkey_16 Start: 10211, Stop: 10510, Start Num: 5
Candidate Starts for LittleMinkey_16:
(Start: 5 @10211 has 42 MA's), (7, 10298), (9, 10331), (10, 10346), (15, 10502),

Gene: Lopsy_10 Start: 8930, Stop: 9193, Start Num: 5
Candidate Starts for Lopsy_10:

(Start: 5 @8930 has 42 MA's), (9, 9056), (10, 9071), (13, 9104),

Gene: Manad_10 Start: 8931, Stop: 9194, Start Num: 5
Candidate Starts for Manad_10:
(Start: 5 @8931 has 42 MA's), (9, 9057), (10, 9072), (13, 9105),

Gene: Maskar_10 Start: 8927, Stop: 9190, Start Num: 5
Candidate Starts for Maskar_10:
(Start: 5 @8927 has 42 MA's), (8, 9023), (9, 9053), (10, 9068), (13, 9101),

Gene: MelsMeow_10 Start: 8933, Stop: 9196, Start Num: 5
Candidate Starts for MelsMeow_10:
(Start: 5 @8933 has 42 MA's), (8, 9029), (9, 9059), (10, 9074), (13, 9107),

Gene: MichaelPhcott_10 Start: 8939, Stop: 9202, Start Num: 5
Candidate Starts for MichaelPhcott_10:
(Start: 5 @8939 has 42 MA's), (8, 9035), (9, 9065), (10, 9080), (13, 9113),

Gene: Mysterious_12 Start: 11310, Stop: 11528, Start Num: 5
Candidate Starts for Mysterious_12:
(Start: 5 @11310 has 42 MA's), (8, 11400), (11, 11454), (12, 11460),

Gene: Nangang_12 Start: 11071, Stop: 11283, Start Num: 5
Candidate Starts for Nangang_12:
(Start: 5 @11071 has 42 MA's), (8, 11161), (11, 11215), (12, 11221),

Gene: Nehemiah_11 Start: 11310, Stop: 11528, Start Num: 5
Candidate Starts for Nehemiah_11:
(Start: 5 @11310 has 42 MA's), (8, 11400), (11, 11454), (12, 11460),

Gene: Nova1_10 Start: 8941, Stop: 9204, Start Num: 5
Candidate Starts for Nova1_10:
(Start: 5 @8941 has 42 MA's), (9, 9067), (10, 9082), (13, 9115),

Gene: Oline_10 Start: 8939, Stop: 9202, Start Num: 5
Candidate Starts for Oline_10:
(Start: 5 @8939 has 42 MA's), (8, 9035), (9, 9065), (10, 9080), (13, 9113),

Gene: Phelemich_12 Start: 11313, Stop: 11531, Start Num: 5
Candidate Starts for Phelemich_12:
(Start: 5 @11313 has 42 MA's), (11, 11457), (12, 11463),

Gene: PhenghisKhan_10 Start: 8939, Stop: 9202, Start Num: 5
Candidate Starts for PhenghisKhan_10:
(Start: 5 @8939 has 42 MA's), (8, 9035), (9, 9065), (10, 9080), (13, 9113),

Gene: Phergie_10 Start: 8933, Stop: 9196, Start Num: 5
Candidate Starts for Phergie_10:
(Start: 5 @8933 has 42 MA's), (8, 9029), (9, 9059), (10, 9074), (13, 9107),

Gene: Phleuron_10 Start: 8939, Stop: 9202, Start Num: 5
Candidate Starts for Phleuron_10:
(Start: 5 @8939 has 42 MA's), (8, 9035), (9, 9065), (10, 9080), (13, 9113),

Gene: PhrankReynolds_10 Start: 8939, Stop: 9202, Start Num: 5
Candidate Starts for PhrankReynolds_10:
(Start: 5 @8939 has 42 MA's), (8, 9035), (9, 9065), (10, 9080), (13, 9113),

Gene: Pinkman_10 Start: 8939, Stop: 9202, Start Num: 5
Candidate Starts for Pinkman_10:
(Start: 5 @8939 has 42 MA's), (8, 9035), (9, 9065), (10, 9080), (13, 9113),

Gene: Reccee_12 Start: 11250, Stop: 11468, Start Num: 5
Candidate Starts for Reccee_12:
(Start: 5 @11250 has 42 MA's), (8, 11340), (11, 11394), (12, 11400),

Gene: Reprobate_12 Start: 11310, Stop: 11528, Start Num: 5
Candidate Starts for Reprobate_12:
(Start: 5 @11310 has 42 MA's), (11, 11454), (12, 11460),

Gene: Rich_12 Start: 11071, Stop: 11295, Start Num: 5
Candidate Starts for Rich_12:
(Start: 5 @11071 has 42 MA's), (8, 11161), (11, 11215), (12, 11221), (14, 11245),

Gene: Rita130_12 Start: 11070, Stop: 11288, Start Num: 5
Candidate Starts for Rita130_12:
(Start: 5 @11070 has 42 MA's), (8, 11160), (11, 11214), (12, 11220),

Gene: Robyn_10 Start: 8932, Stop: 9195, Start Num: 5
Candidate Starts for Robyn_10:
(Start: 5 @8932 has 42 MA's), (9, 9058), (10, 9073), (13, 9106),

Gene: Salazzle_10 Start: 8941, Stop: 9204, Start Num: 5
Candidate Starts for Salazzle_10:
(Start: 5 @8941 has 42 MA's), (8, 9037), (9, 9067), (10, 9082), (13, 9115),

Gene: Schadenfreude_10 Start: 8928, Stop: 9191, Start Num: 5
Candidate Starts for Schadenfreude_10:
(Start: 5 @8928 has 42 MA's), (9, 9054), (10, 9069), (13, 9102),

Gene: Serendipitous_12 Start: 11113, Stop: 11331, Start Num: 5
Candidate Starts for Serendipitous_12:
(Start: 5 @11113 has 42 MA's), (8, 11203), (11, 11257), (12, 11263),

Gene: Shenyu_12 Start: 11071, Stop: 11283, Start Num: 5
Candidate Starts for Shenyu_12:
(Start: 5 @11071 has 42 MA's), (8, 11161), (11, 11215), (12, 11221),

Gene: StinkyVeggy_13 Start: 11235, Stop: 11447, Start Num: 5
Candidate Starts for StinkyVeggy_13:
(Start: 5 @11235 has 42 MA's), (8, 11325), (11, 11379), (12, 11385),

Gene: Struggle_10 Start: 8933, Stop: 9196, Start Num: 5
Candidate Starts for Struggle_10:
(Start: 5 @8933 has 42 MA's), (8, 9029), (9, 9059), (10, 9074), (13, 9107),

Gene: Suigeneris_12 Start: 11070, Stop: 11288, Start Num: 5
Candidate Starts for Suigeneris_12:
(Start: 5 @11070 has 42 MA's), (6, 11124), (11, 11214), (12, 11220),

Gene: Taraxa_11 Start: 8947, Stop: 9210, Start Num: 5
Candidate Starts for Taraxa_11:
(Start: 5 @8947 has 42 MA's), (9, 9073), (10, 9088), (13, 9121),

Gene: Triad_11 Start: 8930, Stop: 9193, Start Num: 5
Candidate Starts for Triad_11:
(Start: 5 @8930 has 42 MA's), (9, 9056), (10, 9071), (13, 9104),

Gene: TyrionL_10 Start: 8939, Stop: 9202, Start Num: 5
Candidate Starts for TyrionL_10:
(Start: 5 @8939 has 42 MA's), (8, 9035), (9, 9065), (10, 9080), (13, 9113),

Gene: Vectra_10 Start: 8935, Stop: 9198, Start Num: 5
Candidate Starts for Vectra_10:
(Start: 5 @8935 has 42 MA's), (8, 9031), (9, 9061), (10, 9076), (13, 9109),

Gene: Zenteno07_15 Start: 10050, Stop: 10349, Start Num: 5
Candidate Starts for Zenteno07_15:
(1, 9366), (2, 9378), (3, 9402), (4, 9642), (Start: 5 @10050 has 42 MA's), (7, 10137), (9, 10170), (10, 10185), (15, 10341),