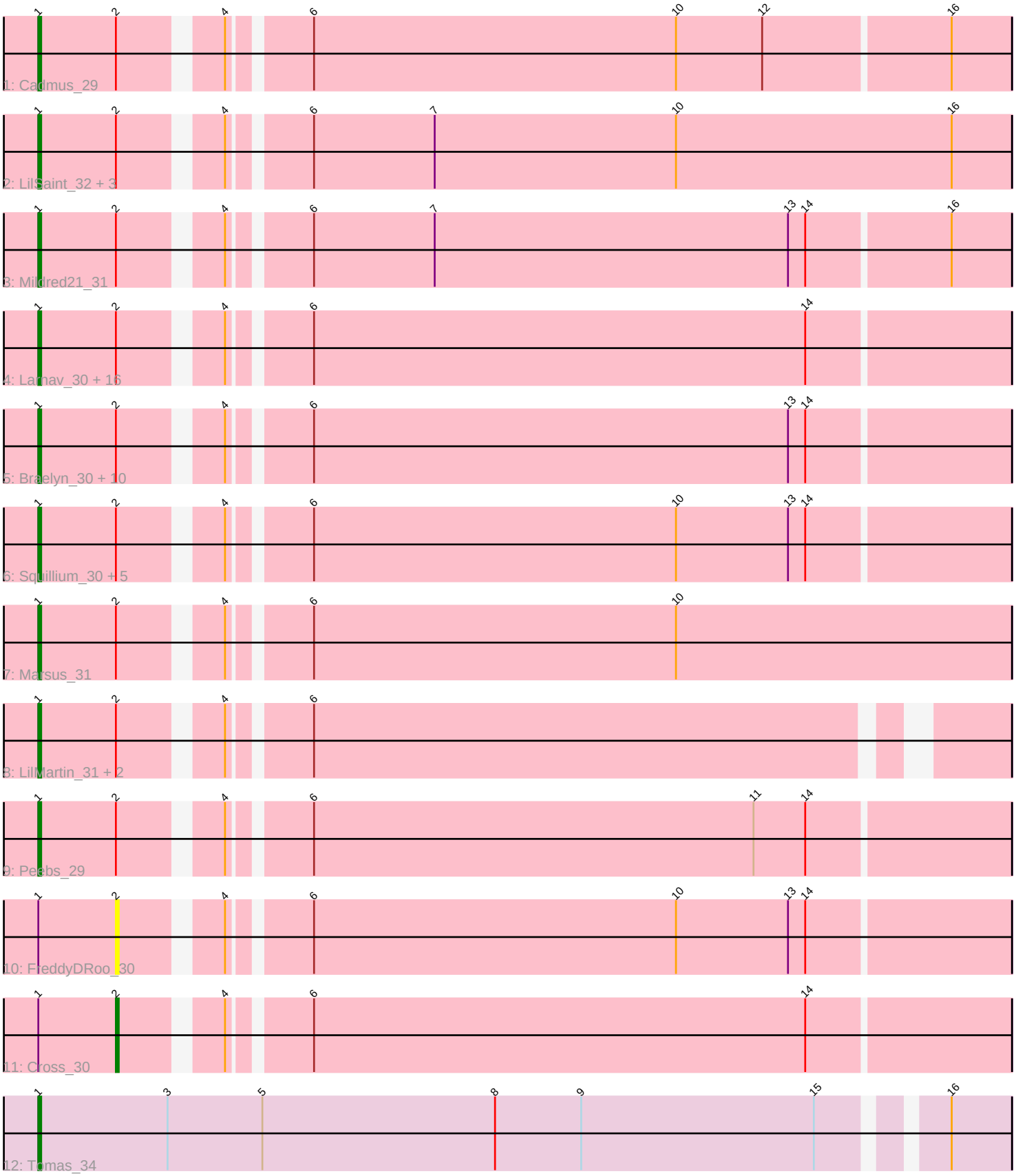
Pham 303459


1
2
4
6
10
12
16
1: Cadmus_29
1
2
4
6
7
10
16
2: LilSaint_32 + 3
1
2
4
6
7
13
14
16
3: Mildred21_31
1
2
4
6
14
4: Lamav_30 + 16
1
2
4
6
13
14
5: Braelyn_30 + 10
1
2
4
6
10
13
14
6: Squillium_30 + 5
1
2
4
6
10
7: Marsus_31
1
2
4
6
8: LilMartin_31 + 2
1
2
4
6
11
14
9: Peabs_29
1
2
4
6
10
13
14
10: FreddyDRoo_30
1
2
4
6
14
11: Cross_30
1
3
5
8
9
15
16
12: Tomas_34

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 303459 Report

This analysis was run 06/08/26 on database version 649.

Pham number 303459 has 48 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Cadmus_29
• Track 2 : LilSaint_32, Bmoc_29, Anedea_29, Riptide_29
• Track 3 : Mildred21_31
• Track 4 : Larnav_30, Lululemon_29, Watermoore_30, Sushi23_30, Teutsch_29, Tribute_28, Daubenski_32, Leo04_30, Shuckle_28, Coogler_30, Pepperwood_30, Scheme_30, Cursive_28, PacManQ_29, BlueOtter_30, EGole_28, HangryHippo_30
• Track 5 : Braelyn_30, Evy_31, Warpy_33, Davielle_27, Persimmon_27, NootNoot_27, Samisti12_27, Jay2Jay_33, Paradiddles_27, WhereRU_27, Targaryen_30
• Track 6 : Squillium_30, Liandry_30, Navo_29, Eliot67_30, Bartholomune_30, PinkiePie_30
• Track 7 : Marsus_31
• Track 8 : LilMartin_31, Angela_31, MulchMansion_31
• Track 9 : Peebs_29
• Track 10 : FreddyDRoo_30
• Track 11 : Cross_30
• Track 12 : Tomas_34

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

The start number called the most often in the published annotations is 1, it was called in 45 of the 46 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Anedea_29, Angela_31, Bartholomune_30, BlueOtter_30, Bmoc_29, Braelyn_30, Cadmus_29, Coogler_30, Cursive_28, Daubenski_32, Davielle_27, EGole_28, Eliot67_30, Evy_31, HangryHippo_30, Jay2Jay_33, Larnav_30, Leo04_30, Liandry_30, LilMartin_31, LilSaint_32, Lululemon_29, Marsus_31, Mildred21_31, MulchMansion_31, Navo_29, NootNoot_27, PacManQ_29, Paradiddles_27, Peebs_29, Pepperwood_30, Persimmon_27, PinkiePie_30, Riptide_29, Samisti12_27, Scheme_30, Shuckle_28, Squillium_30, Sushi23_30, Targaryen_30, Teutsch_29, Tomas_34, Tribute_28, Warpy_33, Watermoore_30, WhereRU_27,

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

• Cross_30, FreddyDRoo_30,

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

Summary by start number:

Start 1:
• Found in 48 of 48 (100.0%) of genes in pham
• Manual Annotations of this start: 45 of 46
• Called 95.8% of time when present
• Phage (with cluster) where this start called: Anedea_29 (BE1), Angela_31 (BE1), Bartholomune_30 (BE1), BlueOtter_30 (BE1), Bmoc_29 (BE1), Braelyn_30 (BE1), Cadmus_29 (BE1), Coogler_30 (BE1), Cursive_28 (BE1), Daubenski_32 (BE1), Davielle_27 (BE1), EGole_28 (BE1), Eliot67_30 (BE1), Evy_31 (BE1), HangryHippo_30 (BE1), Jay2Jay_33 (BE1), Larnav_30 (BE1), Leo04_30 (BE1), Liandry_30 (BE1), LilMartin_31 (BE1), LilSaint_32 (BE1), Lululemon_29 (BE1), Marsus_31 (BE1), Mildred21_31 (BE1), MulchMansion_31 (BE1), Navo_29 (BE1), NootNoot_27 (BE1), PacManQ_29 (BE1), Paradiddles_27 (BE1), Peebs_29 (BE1), Pepperwood_30 (BE1), Persimmon_27 (BE1), PinkiePie_30 (BE1), Riptide_29 (BE1), Samisti12_27 (BE1), Scheme_30 (BE1), Shuckle_28 (BE1), Squillium_30 (BE1), Sushi23_30 (BE1), Targaryen_30 (BE1), Teutsch_29 (BE1), Tomas_34 (BE2), Tribute_28 (BE1), Warpy_33 (BE1), Watermoore_30 (BE1), WhereRU_27 (BE1),

Start 2:
• Found in 47 of 48 (97.9%) of genes in pham
• Manual Annotations of this start: 1 of 46
• Called 4.3% of time when present
• Phage (with cluster) where this start called: Cross_30 (BE1), FreddyDRoo_30 (BE1),

Summary by clusters:

There are 2 clusters represented in this pham: BE2, BE1,

Info for manual annotations of cluster BE1:
•Start number 1 was manually annotated 44 times for cluster BE1.
•Start number 2 was manually annotated 1 time for cluster BE1.

Info for manual annotations of cluster BE2:
•Start number 1 was manually annotated 1 time for cluster BE2.

Gene Information:

Gene: Anedea_29 Start: 13422, Stop: 13099, Start Num: 1
Candidate Starts for Anedea_29:
(Start: 1 @13422 has 45 MA's), (Start: 2 @13395 has 1 MA's), (4, 13365), (6, 13341), (7, 13299), (10, 13215), (16, 13119),

Gene: Angela_31 Start: 13843, Stop: 13538, Start Num: 1
Candidate Starts for Angela_31:
(Start: 1 @13843 has 45 MA's), (Start: 2 @13816 has 1 MA's), (4, 13786), (6, 13762),

Gene: Bartholomune_30 Start: 13236, Stop: 12916, Start Num: 1
Candidate Starts for Bartholomune_30:
(Start: 1 @13236 has 45 MA's), (Start: 2 @13209 has 1 MA's), (4, 13179), (6, 13155), (10, 13029), (13, 12990), (14, 12984),

Gene: BlueOtter_30 Start: 13185, Stop: 12865, Start Num: 1
Candidate Starts for BlueOtter_30:
(Start: 1 @13185 has 45 MA's), (Start: 2 @13158 has 1 MA's), (4, 13128), (6, 13104), (14, 12933),

Gene: Bmoc_29 Start: 13600, Stop: 13277, Start Num: 1
Candidate Starts for Bmoc_29:
(Start: 1 @13600 has 45 MA's), (Start: 2 @13573 has 1 MA's), (4, 13543), (6, 13519), (7, 13477), (10, 13393), (16, 13297),

Gene: Braelyn_30 Start: 13631, Stop: 13311, Start Num: 1
Candidate Starts for Braelyn_30:
(Start: 1 @13631 has 45 MA's), (Start: 2 @13604 has 1 MA's), (4, 13574), (6, 13550), (13, 13385), (14, 13379),

Gene: Cadmus_29 Start: 12833, Stop: 12513, Start Num: 1
Candidate Starts for Cadmus_29:
(Start: 1 @12833 has 45 MA's), (Start: 2 @12806 has 1 MA's), (4, 12776), (6, 12752), (10, 12626), (12, 12596), (16, 12533),

Gene: Coogler_30 Start: 13174, Stop: 12854, Start Num: 1
Candidate Starts for Coogler_30:
(Start: 1 @13174 has 45 MA's), (Start: 2 @13147 has 1 MA's), (4, 13117), (6, 13093), (14, 12922),

Gene: Cross_30 Start: 13159, Stop: 12866, Start Num: 2
Candidate Starts for Cross_30:
(Start: 1 @13186 has 45 MA's), (Start: 2 @13159 has 1 MA's), (4, 13129), (6, 13105), (14, 12934),

Gene: Cursive_28 Start: 12003, Stop: 11683, Start Num: 1
Candidate Starts for Cursive_28:
(Start: 1 @12003 has 45 MA's), (Start: 2 @11976 has 1 MA's), (4, 11946), (6, 11922), (14, 11751),

Gene: Daubenski_32 Start: 13597, Stop: 13277, Start Num: 1
Candidate Starts for Daubenski_32:
(Start: 1 @13597 has 45 MA's), (Start: 2 @13570 has 1 MA's), (4, 13540), (6, 13516), (14, 13345),

Gene: Davielle_27 Start: 12465, Stop: 12145, Start Num: 1
Candidate Starts for Davielle_27:
(Start: 1 @12465 has 45 MA's), (Start: 2 @12438 has 1 MA's), (4, 12408), (6, 12384), (13, 12219), (14, 12213),

Gene: EGole_28 Start: 13195, Stop: 12875, Start Num: 1
Candidate Starts for EGole_28:
(Start: 1 @13195 has 45 MA's), (Start: 2 @13168 has 1 MA's), (4, 13138), (6, 13114), (14, 12943),

Gene: Eliot67_30 Start: 13236, Stop: 12916, Start Num: 1
Candidate Starts for Eliot67_30:

(Start: 1 @13236 has 45 MA's), (Start: 2 @13209 has 1 MA's), (4, 13179), (6, 13155), (10, 13029), (13, 12990), (14, 12984),

Gene: Evy_31 Start: 13213, Stop: 12893, Start Num: 1
Candidate Starts for Evy_31:
(Start: 1 @13213 has 45 MA's), (Start: 2 @13186 has 1 MA's), (4, 13156), (6, 13132), (13, 12967), (14, 12961),

Gene: FreddyDRoo_30 Start: 13209, Stop: 12916, Start Num: 2
Candidate Starts for FreddyDRoo_30:
(Start: 1 @13236 has 45 MA's), (Start: 2 @13209 has 1 MA's), (4, 13179), (6, 13155), (10, 13029), (13, 12990), (14, 12984),

Gene: HangryHippo_30 Start: 13185, Stop: 12865, Start Num: 1
Candidate Starts for HangryHippo_30:
(Start: 1 @13185 has 45 MA's), (Start: 2 @13158 has 1 MA's), (4, 13128), (6, 13104), (14, 12933),

Gene: Jay2Jay_33 Start: 13403, Stop: 13083, Start Num: 1
Candidate Starts for Jay2Jay_33:
(Start: 1 @13403 has 45 MA's), (Start: 2 @13376 has 1 MA's), (4, 13346), (6, 13322), (13, 13157), (14, 13151),

Gene: Larnav_30 Start: 13133, Stop: 12813, Start Num: 1
Candidate Starts for Larnav_30:
(Start: 1 @13133 has 45 MA's), (Start: 2 @13106 has 1 MA's), (4, 13076), (6, 13052), (14, 12881),

Gene: Leo04_30 Start: 13184, Stop: 12864, Start Num: 1
Candidate Starts for Leo04_30:
(Start: 1 @13184 has 45 MA's), (Start: 2 @13157 has 1 MA's), (4, 13127), (6, 13103), (14, 12932),

Gene: Liandry_30 Start: 13235, Stop: 12915, Start Num: 1
Candidate Starts for Liandry_30:
(Start: 1 @13235 has 45 MA's), (Start: 2 @13208 has 1 MA's), (4, 13178), (6, 13154), (10, 13028), (13, 12989), (14, 12983),

Gene: LilMartin_31 Start: 13790, Stop: 13485, Start Num: 1
Candidate Starts for LilMartin_31:
(Start: 1 @13790 has 45 MA's), (Start: 2 @13763 has 1 MA's), (4, 13733), (6, 13709),

Gene: LilSaint_32 Start: 13643, Stop: 13320, Start Num: 1
Candidate Starts for LilSaint_32:
(Start: 1 @13643 has 45 MA's), (Start: 2 @13616 has 1 MA's), (4, 13586), (6, 13562), (7, 13520), (10, 13436), (16, 13340),

Gene: Lululemon_29 Start: 12565, Stop: 12245, Start Num: 1
Candidate Starts for Lululemon_29:
(Start: 1 @12565 has 45 MA's), (Start: 2 @12538 has 1 MA's), (4, 12508), (6, 12484), (14, 12313),

Gene: Marsus_31 Start: 13655, Stop: 13332, Start Num: 1
Candidate Starts for Marsus_31:
(Start: 1 @13655 has 45 MA's), (Start: 2 @13628 has 1 MA's), (4, 13598), (6, 13574), (10, 13448),

Gene: Mildred21_31 Start: 13507, Stop: 13187, Start Num: 1

Candidate Starts for Mildred21_31:
(Start: 1 @13507 has 45 MA's), (Start: 2 @13480 has 1 MA's), (4, 13450), (6, 13426), (7, 13384), (13, 13261), (14, 13255), (16, 13207),

Gene: MulchMansion_31 Start: 13791, Stop: 13486, Start Num: 1
Candidate Starts for MulchMansion_31:
(Start: 1 @13791 has 45 MA's), (Start: 2 @13764 has 1 MA's), (4, 13734), (6, 13710),

Gene: Navo_29 Start: 13394, Stop: 13074, Start Num: 1
Candidate Starts for Navo_29:
(Start: 1 @13394 has 45 MA's), (Start: 2 @13367 has 1 MA's), (4, 13337), (6, 13313), (10, 13187), (13, 13148), (14, 13142),

Gene: NootNoot_27 Start: 12417, Stop: 12097, Start Num: 1
Candidate Starts for NootNoot_27:
(Start: 1 @12417 has 45 MA's), (Start: 2 @12390 has 1 MA's), (4, 12360), (6, 12336), (13, 12171), (14, 12165),

Gene: PacManQ_29 Start: 12565, Stop: 12245, Start Num: 1
Candidate Starts for PacManQ_29:
(Start: 1 @12565 has 45 MA's), (Start: 2 @12538 has 1 MA's), (4, 12508), (6, 12484), (14, 12313),

Gene: Paradiddles_27 Start: 12408, Stop: 12088, Start Num: 1
Candidate Starts for Paradiddles_27:
(Start: 1 @12408 has 45 MA's), (Start: 2 @12381 has 1 MA's), (4, 12351), (6, 12327), (13, 12162), (14, 12156),

Gene: Peebs_29 Start: 12884, Stop: 12564, Start Num: 1
Candidate Starts for Peebs_29:
(Start: 1 @12884 has 45 MA's), (Start: 2 @12857 has 1 MA's), (4, 12827), (6, 12803), (11, 12650), (14, 12632),

Gene: Pepperwood_30 Start: 13057, Stop: 12737, Start Num: 1
Candidate Starts for Pepperwood_30:
(Start: 1 @13057 has 45 MA's), (Start: 2 @13030 has 1 MA's), (4, 13000), (6, 12976), (14, 12805),

Gene: Persimmon_27 Start: 12465, Stop: 12145, Start Num: 1
Candidate Starts for Persimmon_27:
(Start: 1 @12465 has 45 MA's), (Start: 2 @12438 has 1 MA's), (4, 12408), (6, 12384), (13, 12219), (14, 12213),

Gene: PinkiePie_30 Start: 13236, Stop: 12916, Start Num: 1
Candidate Starts for PinkiePie_30:
(Start: 1 @13236 has 45 MA's), (Start: 2 @13209 has 1 MA's), (4, 13179), (6, 13155), (10, 13029), (13, 12990), (14, 12984),

Gene: Riptide_29 Start: 13148, Stop: 12825, Start Num: 1
Candidate Starts for Riptide_29:
(Start: 1 @13148 has 45 MA's), (Start: 2 @13121 has 1 MA's), (4, 13091), (6, 13067), (7, 13025), (10, 12941), (16, 12845),

Gene: Samisti12_27 Start: 12802, Stop: 12482, Start Num: 1
Candidate Starts for Samisti12_27:

(Start: 1 @12802 has 45 MA's), (Start: 2 @12775 has 1 MA's), (4, 12745), (6, 12721), (13, 12556), (14, 12550),

Gene: Scheme_30 Start: 13068, Stop: 12748, Start Num: 1
Candidate Starts for Scheme_30:
(Start: 1 @13068 has 45 MA's), (Start: 2 @13041 has 1 MA's), (4, 13011), (6, 12987), (14, 12816),

Gene: Shuckle_28 Start: 13338, Stop: 13018, Start Num: 1
Candidate Starts for Shuckle_28:
(Start: 1 @13338 has 45 MA's), (Start: 2 @13311 has 1 MA's), (4, 13281), (6, 13257), (14, 13086),

Gene: Squillium_30 Start: 13235, Stop: 12915, Start Num: 1
Candidate Starts for Squillium_30:
(Start: 1 @13235 has 45 MA's), (Start: 2 @13208 has 1 MA's), (4, 13178), (6, 13154), (10, 13028), (13, 12989), (14, 12983),

Gene: Sushi23_30 Start: 13280, Stop: 12960, Start Num: 1
Candidate Starts for Sushi23_30:
(Start: 1 @13280 has 45 MA's), (Start: 2 @13253 has 1 MA's), (4, 13223), (6, 13199), (14, 13028),

Gene: Targaryen_30 Start: 13960, Stop: 13640, Start Num: 1
Candidate Starts for Targaryen_30:
(Start: 1 @13960 has 45 MA's), (Start: 2 @13933 has 1 MA's), (4, 13903), (6, 13879), (13, 13714), (14, 13708),

Gene: Teutsch_29 Start: 12973, Stop: 12653, Start Num: 1
Candidate Starts for Teutsch_29:
(Start: 1 @12973 has 45 MA's), (Start: 2 @12946 has 1 MA's), (4, 12916), (6, 12892), (14, 12721),

Gene: Tomas_34 Start: 14845, Stop: 14519, Start Num: 1
Candidate Starts for Tomas_34:
(Start: 1 @14845 has 45 MA's), (3, 14800), (5, 14767), (8, 14686), (9, 14656), (15, 14575), (16, 14539),

Gene: Tribute_28 Start: 12751, Stop: 12431, Start Num: 1
Candidate Starts for Tribute_28:
(Start: 1 @12751 has 45 MA's), (Start: 2 @12724 has 1 MA's), (4, 12694), (6, 12670), (14, 12499),

Gene: Warpy_33 Start: 13423, Stop: 13103, Start Num: 1
Candidate Starts for Warpy_33:
(Start: 1 @13423 has 45 MA's), (Start: 2 @13396 has 1 MA's), (4, 13366), (6, 13342), (13, 13177), (14, 13171),

Gene: Watermoore_30 Start: 13186, Stop: 12866, Start Num: 1
Candidate Starts for Watermoore_30:
(Start: 1 @13186 has 45 MA's), (Start: 2 @13159 has 1 MA's), (4, 13129), (6, 13105), (14, 12934),

Gene: WhereRU_27 Start: 12465, Stop: 12145, Start Num: 1
Candidate Starts for WhereRU_27:
(Start: 1 @12465 has 45 MA's), (Start: 2 @12438 has 1 MA's), (4, 12408), (6, 12384), (13, 12219), (14, 12213),