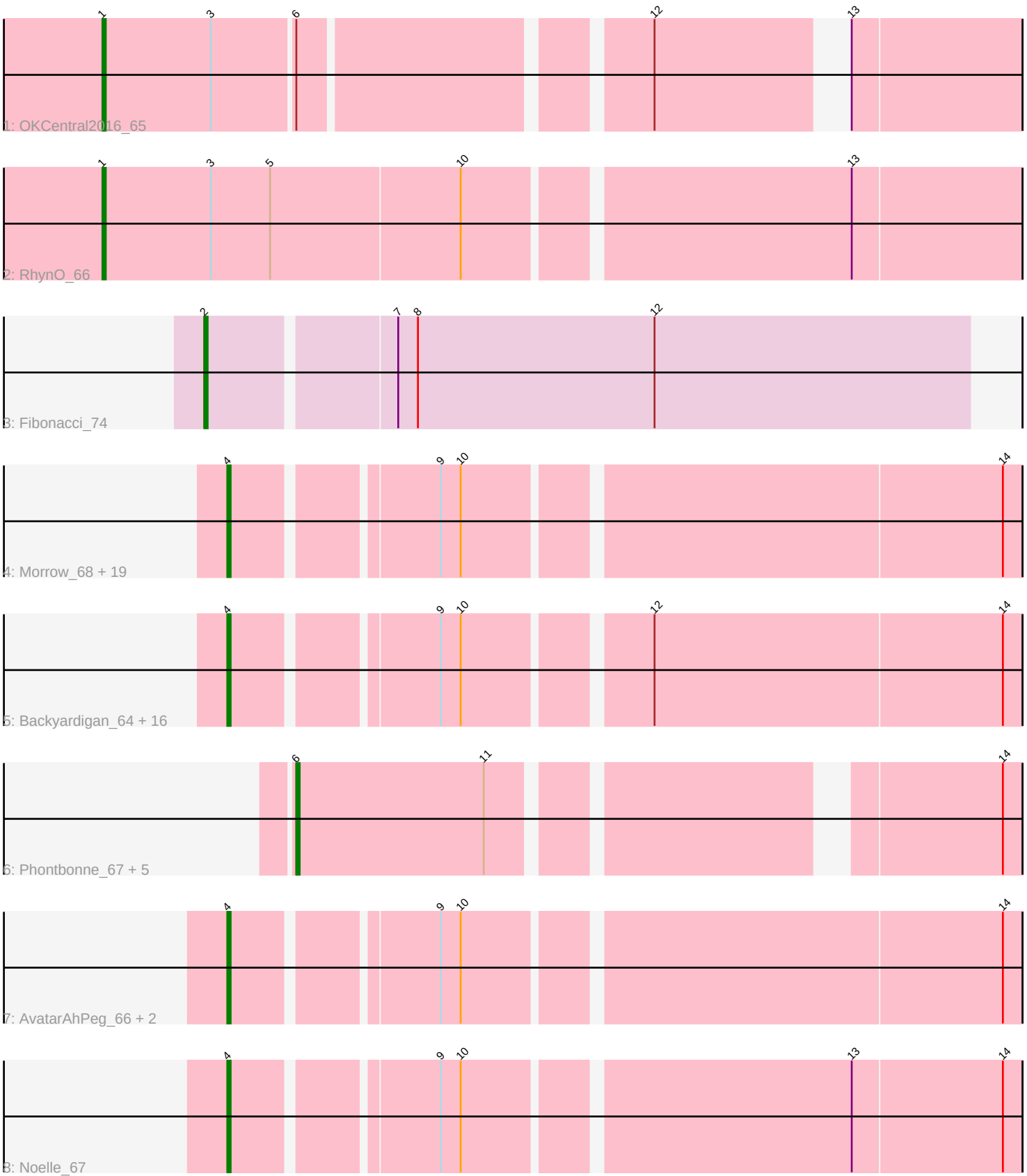
Pham 291253


1
3
6
12
13
1: OKCentral2016_65
1
3
5
10
13
2: RhynO_66
2
7
8
12
3: Fibonacci_74
4
9
10
14
4: Morrow_68 + 19
4
9
10
12
14
5: Backyardigan_64 + 16
6
11
14
6: Phontbonne_67 + 5
4
9
10
14
7: AvatarAhPeg_66 + 2
4
9
10
13
14
8: Noelle_67

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 291253 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291253 has 50 members, 1 are drafts.

Phages represented in each track:
• Track 1 : OKCentral2016_65
• Track 2 : RhynO_66
• Track 3 : Fibonacci_74
• Track 4 : Morrow_68, BellusTerra_68, Obama12_68, Ohfah_68, Eurydice_68, Eagle_66, LHTSCC_69, Phelipe_68, ChampagnePapi_69, CentreCat_67, Happiness_66, Cerulean_68, JetBlade_67, Polymorphads_67, Nebs_68, LeoAvram_66, SheldonCooper_67, BangNhom_65, ICleared_66, TroyPia_68
• Track 5 : Backyardigan_64, Bumblebee11_65, Perplexer_66, Katalie136_66, Cici_66, Achebe_65, PetiteSangsue_66, Cindaradix_63, Morpher26_66, Wile_65, Datway_66, Wizard007_66, Badger_65, AbbysRanger_66, BubbleTrouble_66, Mundrea_66, Xena_65
• Track 6 : Phontbonne_67, Medusa_67, LittleGuy_67, Blackmoor_66, RockieBear_64, YoSam321_67
• Track 7 : AvatarAhPeg_66, Miramae_66, Stink_66
• Track 8 : Noelle_67

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

The start number called the most often in the published annotations is 4, it was called in 41 of the 49 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AbbysRanger_66, Achebe_65, AvatarAhPeg_66, Backyardigan_64, Badger_65, BangNhom_65, BellusTerra_68, BubbleTrouble_66, Bumblebee11_65, CentreCat_67, Cerulean_68, ChampagnePapi_69, Cici_66, Cindaradix_63, Datway_66, Eagle_66, Eurydice_68, Happiness_66, ICleared_66, JetBlade_67, Katalie136_66, LHTSCC_69, LeoAvram_66, Miramae_66, Morpher26_66, Morrow_68, Mundrea_66, Nebs_68, Noelle_67, Obama12_68, Ohfah_68, Perplexer_66, PetiteSangsue_66, Phelipe_68, Polymorphads_67, SheldonCooper_67, Stink_66, TroyPia_68, Wile_65, Wizard007_66, Xena_65,

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

Genes that do not have the "Most Annotated" start:
• Blackmoor_66, Fibonacci_74, LittleGuy_67, Medusa_67, OKCentral2016_65, Phontbonne_67, RhynO_66, RockieBear_64, YoSam321_67,

Summary by start number:

Start 1:
• Found in 2 of 50 (4.0%) of genes in pham
• Manual Annotations of this start: 2 of 49
• Called 100.0% of time when present
• Phage (with cluster) where this start called: OKCentral2016_65 (A10), RhynO_66 (A10),

Start 2:
• Found in 1 of 50 (2.0%) of genes in pham
• Manual Annotations of this start: 1 of 49
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fibonacci_74 (A11),

Start 4:
• Found in 41 of 50 (82.0%) of genes in pham
• Manual Annotations of this start: 41 of 49
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AbbysRanger_66 (A4), Achebe_65 (A4), AvatarAhPeg_66 (A4), Backyardigan_64 (A4), Badger_65 (A4), BangNhom_65 (A4), BellusTerra_68 (A4), BubbleTrouble_66 (A4), Bumblebee11_65 (A4), CentreCat_67 (A4), Cerulean_68 (A4), ChampagnePapi_69 (A4), Cici_66 (A4), Cindaradix_63 (A4), Datway_66 (A4), Eagle_66 (A4), Eurydice_68 (A4), Happiness_66 (A4), ICleared_66 (A4), JetBlade_67 (A4), Katalie136_66 (A4), LHTSCC_69 (A4), LeoAvram_66 (A4), Miramae_66 (A4), Morpher26_66 (A4), Morrow_68 (A4), Mundrea_66 (A4), Nebs_68 (A4), Noelle_67 (A4), Obama12_68 (A4), Ohfah_68 (A4), Perplexer_66 (A4), PetiteSangsue_66 (A4), Phelipe_68 (A4), Polymorphads_67 (A4), SheldonCooper_67 (A4), Stink_66 (A4), TroyPia_68 (A4), Wile_65 (A4), Wizard007_66 (A4), Xena_65 (A4),

Start 6:
• Found in 7 of 50 (14.0%) of genes in pham
• Manual Annotations of this start: 5 of 49
• Called 85.7% of time when present
• Phage (with cluster) where this start called: Blackmoor_66 (A4), LittleGuy_67 (A4), Medusa_67 (A4), Phontbonne_67 (A4), RockieBear_64 (A4), YoSam321_67 (A4),

Summary by clusters:

There are 3 clusters represented in this pham: A11, A4, A10,

Info for manual annotations of cluster A10:
•Start number 1 was manually annotated 2 times for cluster A10.

Info for manual annotations of cluster A11:
•Start number 2 was manually annotated 1 time for cluster A11.

Info for manual annotations of cluster A4:

•Start number 4 was manually annotated 41 times for cluster A4.
•Start number 6 was manually annotated 5 times for cluster A4.

Gene Information:

Gene: AbbysRanger_66 Start: 42647, Stop: 42423, Start Num: 4
Candidate Starts for AbbysRanger_66:
(Start: 4 @42647 has 41 MA's), (9, 42590), (10, 42584), (12, 42533), (14, 42428),

Gene: Achebe_65 Start: 42630, Stop: 42406, Start Num: 4
Candidate Starts for Achebe_65:
(Start: 4 @42630 has 41 MA's), (9, 42573), (10, 42567), (12, 42516), (14, 42411),

Gene: AvatarAhPeg_66 Start: 42517, Stop: 42293, Start Num: 4
Candidate Starts for AvatarAhPeg_66:
(Start: 4 @42517 has 41 MA's), (9, 42460), (10, 42454), (14, 42298),

Gene: Backyardigan_64 Start: 42663, Stop: 42439, Start Num: 4
Candidate Starts for Backyardigan_64:
(Start: 4 @42663 has 41 MA's), (9, 42606), (10, 42600), (12, 42549), (14, 42444),

Gene: Badger_65 Start: 42631, Stop: 42407, Start Num: 4
Candidate Starts for Badger_65:
(Start: 4 @42631 has 41 MA's), (9, 42574), (10, 42568), (12, 42517), (14, 42412),

Gene: BangNhom_65 Start: 42796, Stop: 42572, Start Num: 4
Candidate Starts for BangNhom_65:
(Start: 4 @42796 has 41 MA's), (9, 42739), (10, 42733), (14, 42577),

Gene: BellusTerra_68 Start: 42397, Stop: 42173, Start Num: 4
Candidate Starts for BellusTerra_68:
(Start: 4 @42397 has 41 MA's), (9, 42340), (10, 42334), (14, 42178),

Gene: Blackmoor_66 Start: 42359, Stop: 42162, Start Num: 6
Candidate Starts for Blackmoor_66:
(Start: 6 @42359 has 5 MA's), (11, 42302), (14, 42167),

Gene: BubbleTrouble_66 Start: 42384, Stop: 42160, Start Num: 4
Candidate Starts for BubbleTrouble_66:
(Start: 4 @42384 has 41 MA's), (9, 42327), (10, 42321), (12, 42270), (14, 42165),

Gene: Bumblebee11_65 Start: 42633, Stop: 42409, Start Num: 4
Candidate Starts for Bumblebee11_65:
(Start: 4 @42633 has 41 MA's), (9, 42576), (10, 42570), (12, 42519), (14, 42414),

Gene: CentreCat_67 Start: 42396, Stop: 42172, Start Num: 4
Candidate Starts for CentreCat_67:
(Start: 4 @42396 has 41 MA's), (9, 42339), (10, 42333), (14, 42177),

Gene: Cerulean_68 Start: 42797, Stop: 42573, Start Num: 4
Candidate Starts for Cerulean_68:

(Start: 4 @42797 has 41 MA's), (9, 42740), (10, 42734), (14, 42578),

Gene: ChampagnePapi_69 Start: 42796, Stop: 42572, Start Num: 4
Candidate Starts for ChampagnePapi_69:
(Start: 4 @42796 has 41 MA's), (9, 42739), (10, 42733), (14, 42577),

Gene: Cici_66 Start: 42648, Stop: 42424, Start Num: 4
Candidate Starts for Cici_66:
(Start: 4 @42648 has 41 MA's), (9, 42591), (10, 42585), (12, 42534), (14, 42429),

Gene: Cindaradix_63 Start: 42259, Stop: 42035, Start Num: 4
Candidate Starts for Cindaradix_63:
(Start: 4 @42259 has 41 MA's), (9, 42202), (10, 42196), (12, 42145), (14, 42040),

Gene: Datway_66 Start: 42619, Stop: 42395, Start Num: 4
Candidate Starts for Datway_66:
(Start: 4 @42619 has 41 MA's), (9, 42562), (10, 42556), (12, 42505), (14, 42400),

Gene: Eagle_66 Start: 42418, Stop: 42194, Start Num: 4
Candidate Starts for Eagle_66:
(Start: 4 @42418 has 41 MA's), (9, 42361), (10, 42355), (14, 42199),

Gene: Eurydice_68 Start: 42393, Stop: 42169, Start Num: 4
Candidate Starts for Eurydice_68:
(Start: 4 @42393 has 41 MA's), (9, 42336), (10, 42330), (14, 42174),

Gene: Fibonacci_74 Start: 43055, Stop: 42828, Start Num: 2
Candidate Starts for Fibonacci_74:
(Start: 2 @43055 has 1 MA's), (7, 43001), (8, 42995), (12, 42923),

Gene: Happiness_66 Start: 42379, Stop: 42155, Start Num: 4
Candidate Starts for Happiness_66:
(Start: 4 @42379 has 41 MA's), (9, 42322), (10, 42316), (14, 42160),

Gene: ICleared_66 Start: 42425, Stop: 42201, Start Num: 4
Candidate Starts for ICleared_66:
(Start: 4 @42425 has 41 MA's), (9, 42368), (10, 42362), (14, 42206),

Gene: JetBlade_67 Start: 42387, Stop: 42163, Start Num: 4
Candidate Starts for JetBlade_67:
(Start: 4 @42387 has 41 MA's), (9, 42330), (10, 42324), (14, 42168),

Gene: Katalie136_66 Start: 42633, Stop: 42409, Start Num: 4
Candidate Starts for Katalie136_66:
(Start: 4 @42633 has 41 MA's), (9, 42576), (10, 42570), (12, 42519), (14, 42414),

Gene: LHTSCC_69 Start: 42796, Stop: 42572, Start Num: 4
Candidate Starts for LHTSCC_69:
(Start: 4 @42796 has 41 MA's), (9, 42739), (10, 42733), (14, 42577),

Gene: LeoAvram_66 Start: 42387, Stop: 42163, Start Num: 4
Candidate Starts for LeoAvram_66:
(Start: 4 @42387 has 41 MA's), (9, 42330), (10, 42324), (14, 42168),

Gene: LittleGuy_67 Start: 42253, Stop: 42056, Start Num: 6
Candidate Starts for LittleGuy_67:
(Start: 6 @42253 has 5 MA's), (11, 42196), (14, 42061),

Gene: Medusa_67 Start: 42371, Stop: 42174, Start Num: 6
Candidate Starts for Medusa_67:
(Start: 6 @42371 has 5 MA's), (11, 42314), (14, 42179),

Gene: Miramae_66 Start: 42179, Stop: 41955, Start Num: 4
Candidate Starts for Miramae_66:
(Start: 4 @42179 has 41 MA's), (9, 42122), (10, 42116), (14, 41960),

Gene: Morpher26_66 Start: 42654, Stop: 42430, Start Num: 4
Candidate Starts for Morpher26_66:
(Start: 4 @42654 has 41 MA's), (9, 42597), (10, 42591), (12, 42540), (14, 42435),

Gene: Morrow_68 Start: 42399, Stop: 42175, Start Num: 4
Candidate Starts for Morrow_68:
(Start: 4 @42399 has 41 MA's), (9, 42342), (10, 42336), (14, 42180),

Gene: Mundrea_66 Start: 42647, Stop: 42423, Start Num: 4
Candidate Starts for Mundrea_66:
(Start: 4 @42647 has 41 MA's), (9, 42590), (10, 42584), (12, 42533), (14, 42428),

Gene: Nebs_68 Start: 42396, Stop: 42172, Start Num: 4
Candidate Starts for Nebs_68:
(Start: 4 @42396 has 41 MA's), (9, 42339), (10, 42333), (14, 42177),

Gene: Noelle_67 Start: 42962, Stop: 42738, Start Num: 4
Candidate Starts for Noelle_67:
(Start: 4 @42962 has 41 MA's), (9, 42905), (10, 42899), (13, 42788), (14, 42743),

Gene: OKCentral2016_65 Start: 41306, Stop: 41055, Start Num: 1
Candidate Starts for OKCentral2016_65:
(Start: 1 @41306 has 2 MA's), (3, 41273), (Start: 6 @41249 has 5 MA's), (12, 41153), (13, 41105),

Gene: Obama12_68 Start: 42780, Stop: 42556, Start Num: 4
Candidate Starts for Obama12_68:
(Start: 4 @42780 has 41 MA's), (9, 42723), (10, 42717), (14, 42561),

Gene: Ohfah_68 Start: 42396, Stop: 42172, Start Num: 4
Candidate Starts for Ohfah_68:
(Start: 4 @42396 has 41 MA's), (9, 42339), (10, 42333), (14, 42177),

Gene: Perplexer_66 Start: 42630, Stop: 42406, Start Num: 4
Candidate Starts for Perplexer_66:
(Start: 4 @42630 has 41 MA's), (9, 42573), (10, 42567), (12, 42516), (14, 42411),

Gene: PetiteSangsue_66 Start: 42633, Stop: 42409, Start Num: 4
Candidate Starts for PetiteSangsue_66:
(Start: 4 @42633 has 41 MA's), (9, 42576), (10, 42570), (12, 42519), (14, 42414),

Gene: Phelipe_68 Start: 42396, Stop: 42172, Start Num: 4
Candidate Starts for Phelipe_68:
(Start: 4 @42396 has 41 MA's), (9, 42339), (10, 42333), (14, 42177),

Gene: Phontbonne_67 Start: 42263, Stop: 42066, Start Num: 6
Candidate Starts for Phontbonne_67:
(Start: 6 @42263 has 5 MA's), (11, 42206), (14, 42071),

Gene: Polymorphads_67 Start: 42377, Stop: 42153, Start Num: 4
Candidate Starts for Polymorphads_67:
(Start: 4 @42377 has 41 MA's), (9, 42320), (10, 42314), (14, 42158),

Gene: RhynO_66 Start: 41808, Stop: 41539, Start Num: 1
Candidate Starts for RhynO_66:
(Start: 1 @41808 has 2 MA's), (3, 41775), (5, 41757), (10, 41700), (13, 41589),

Gene: RockieBear_64 Start: 42357, Stop: 42160, Start Num: 6
Candidate Starts for RockieBear_64:
(Start: 6 @42357 has 5 MA's), (11, 42300), (14, 42165),

Gene: SheldonCooper_67 Start: 42797, Stop: 42573, Start Num: 4
Candidate Starts for SheldonCooper_67:
(Start: 4 @42797 has 41 MA's), (9, 42740), (10, 42734), (14, 42578),

Gene: Stink_66 Start: 42459, Stop: 42235, Start Num: 4
Candidate Starts for Stink_66:
(Start: 4 @42459 has 41 MA's), (9, 42402), (10, 42396), (14, 42240),

Gene: TroyPia_68 Start: 42391, Stop: 42167, Start Num: 4
Candidate Starts for TroyPia_68:
(Start: 4 @42391 has 41 MA's), (9, 42334), (10, 42328), (14, 42172),

Gene: Wile_65 Start: 42663, Stop: 42439, Start Num: 4
Candidate Starts for Wile_65:
(Start: 4 @42663 has 41 MA's), (9, 42606), (10, 42600), (12, 42549), (14, 42444),

Gene: Wizard007_66 Start: 42389, Stop: 42165, Start Num: 4
Candidate Starts for Wizard007_66:
(Start: 4 @42389 has 41 MA's), (9, 42332), (10, 42326), (12, 42275), (14, 42170),

Gene: Xena_65 Start: 42630, Stop: 42406, Start Num: 4
Candidate Starts for Xena_65:
(Start: 4 @42630 has 41 MA's), (9, 42573), (10, 42567), (12, 42516), (14, 42411),

Gene: YoSam321_67 Start: 42351, Stop: 42154, Start Num: 6
Candidate Starts for YoSam321_67:
(Start: 6 @42351 has 5 MA's), (11, 42294), (14, 42159),