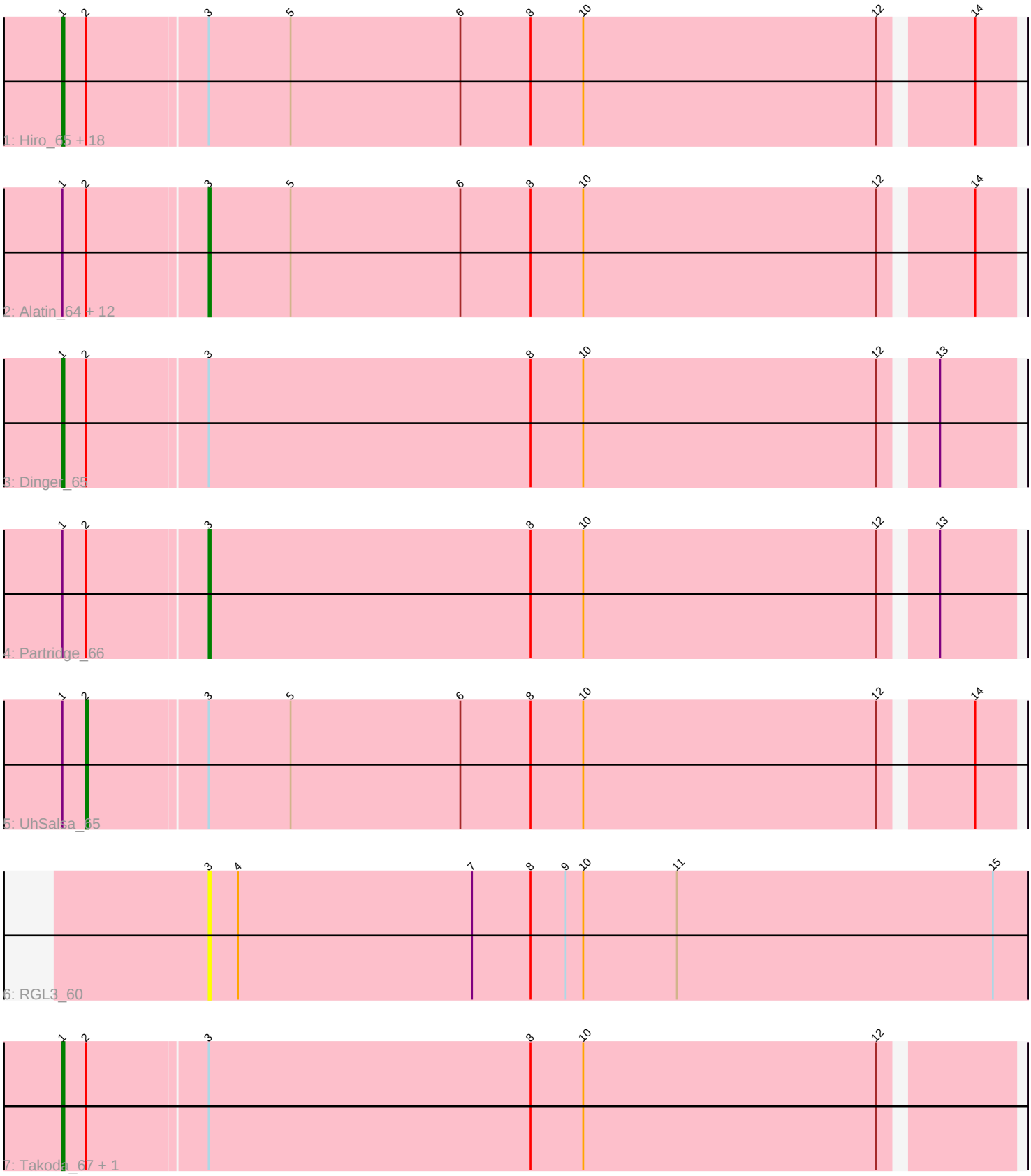
Pham 283993


1
2
3
5
6
8
10
12
14
1: Hiro_65 + 18
1
2
3
5
6
8
10
12
14
2: Alatin_64 + 12
1
2
3
8
10
12
13
3: Dinger_65
1
2
3
8
10
12
13
4: Partridge_66
1
2
3
5
6
8
10
12
14
5: UhSalsa_65
3
4
7
8
9
10
11
15
6: RGL3_60
1
2
3
8
10
12
7: Takoda_67 + 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 283993 Report

This analysis was run 02/23/26 on database version 636.

Pham number 283993 has 38 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Hiro_65, Gollum_65, Nancinator_64, Espica_66, Alpacados_64, Bradshaw_65, Rasputin_65, AppleCloud_62, Harlequin_65, Jester_64, Bryce_64, Swann_65, Phrankenstein_65, Bonanza_66, Belenaria_66, Shuman_66, Erik_65, Krishelle_65, PhailMary_62
• Track 2 : Alatin_64, Yogi_66, StCroix_64, TWAMP_65, RER2_59, RexFury_64, CosmicSans_65, BobbyDazzler_65, Lillie_65, Yoncess_64, Naiad_64, Natosaleda_64, Rhodalysa_65
• Track 3 : Dinger_65
• Track 4 : Partridge_66
• Track 5 : UhSalsa_65
• Track 6 : RGL3_60
• Track 7 : Takoda_67, AngryOrchard_63

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 22 of the 36 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alpacados_64, AngryOrchard_63, AppleCloud_62, Belenaria_66, Bonanza_66, Bradshaw_65, Bryce_64, Dinger_65, Erik_65, Espica_66, Gollum_65, Harlequin_65, Hiro_65, Jester_64, Krishelle_65, Nancinator_64, PhailMary_62, Phrankenstein_65, Rasputin_65, Shuman_66, Swann_65, Takoda_67,

Genes that have the "Most Annotated" start but do not call it:
• Alatin_64, BobbyDazzler_65, CosmicSans_65, Lillie_65, Naiad_64, Natosaleda_64, Partridge_66, RER2_59, RexFury_64, Rhodalysa_65, StCroix_64, TWAMP_65, UhSalsa_65, Yogi_66, Yoncess_64,

Genes that do not have the "Most Annotated" start:
• RGL3_60,

Summary by start number:

Start 1:
• Found in 37 of 38 (97.4%) of genes in pham
• Manual Annotations of this start: 22 of 36
• Called 59.5% of time when present
• Phage (with cluster) where this start called: Alpacados_64 (CA), AngryOrchard_63 (CA), AppleCloud_62 (CA), Belenaria_66 (CA), Bonanza_66 (CA), Bradshaw_65 (CA), Bryce_64 (CA), Dinger_65 (CA), Erik_65 (CA), Espica_66 (CA), Gollum_65 (CA), Harlequin_65 (CA), Hiro_65 (CA), Jester_64 (CA), Krishelle_65 (CA), Nancinator_64 (CA), PhailMary_62 (CA), Phrankenstein_65 (CA), Rasputin_65 (CA), Shuman_66 (CA), Swann_65 (CA), Takoda_67 (CA),

Start 2:
• Found in 37 of 38 (97.4%) of genes in pham
• Manual Annotations of this start: 1 of 36
• Called 2.7% of time when present
• Phage (with cluster) where this start called: UhSalsa_65 (CA),

Start 3:
• Found in 38 of 38 (100.0%) of genes in pham
• Manual Annotations of this start: 13 of 36
• Called 39.5% of time when present
• Phage (with cluster) where this start called: Alatin_64 (CA), BobbyDazzler_65 (CA), CosmicSans_65 (CA), Lillie_65 (CA), Naiad_64 (CA), Natosaleda_64 (CA), Partridge_66 (CA), RER2_59 (CA), RGL3_60 (CA), RexFury_64 (CA), Rhodalysa_65 (CA), StCroix_64 (CA), TWAMP_65 (CA), Yogi_66 (CA), Yoncess_64 (CA),

Summary by clusters:

There is one cluster represented in this pham: CA

Info for manual annotations of cluster CA:
•Start number 1 was manually annotated 22 times for cluster CA.
•Start number 2 was manually annotated 1 time for cluster CA.
•Start number 3 was manually annotated 13 times for cluster CA.

Gene Information:

Gene: Alatin_64 Start: 43606, Stop: 43202, Start Num: 3
Candidate Starts for Alatin_64:
(Start: 1 @43678 has 22 MA's), (Start: 2 @43666 has 1 MA's), (Start: 3 @43606 has 13 MA's), (5, 43564), (6, 43477), (8, 43441), (10, 43414), (12, 43264), (14, 43222),

Gene: Alpacados_64 Start: 43501, Stop: 43025, Start Num: 1
Candidate Starts for Alpacados_64:
(Start: 1 @43501 has 22 MA's), (Start: 2 @43489 has 1 MA's), (Start: 3 @43429 has 13 MA's), (5, 43387), (6, 43300), (8, 43264), (10, 43237), (12, 43087), (14, 43045),

Gene: AngryOrchard_63 Start: 43723, Stop: 43247, Start Num: 1
Candidate Starts for AngryOrchard_63:
(Start: 1 @43723 has 22 MA's), (Start: 2 @43711 has 1 MA's), (Start: 3 @43651 has 13 MA's), (8, 43486), (10, 43459), (12, 43309),

Gene: AppleCloud_62 Start: 43395, Stop: 42919, Start Num: 1
Candidate Starts for AppleCloud_62:
(Start: 1 @43395 has 22 MA's), (Start: 2 @43383 has 1 MA's), (Start: 3 @43323 has 13 MA's), (5, 43281), (6, 43194), (8, 43158), (10, 43131), (12, 42981), (14, 42939),

Gene: Belenaria_66 Start: 43543, Stop: 43067, Start Num: 1
Candidate Starts for Belenaria_66:
(Start: 1 @43543 has 22 MA's), (Start: 2 @43531 has 1 MA's), (Start: 3 @43471 has 13 MA's), (5, 43429), (6, 43342), (8, 43306), (10, 43279), (12, 43129), (14, 43087),

Gene: BobbyDazzler_65 Start: 43577, Stop: 43173, Start Num: 3
Candidate Starts for BobbyDazzler_65:
(Start: 1 @43649 has 22 MA's), (Start: 2 @43637 has 1 MA's), (Start: 3 @43577 has 13 MA's), (5, 43535), (6, 43448), (8, 43412), (10, 43385), (12, 43235), (14, 43193),

Gene: Bonanza_66 Start: 43953, Stop: 43477, Start Num: 1
Candidate Starts for Bonanza_66:
(Start: 1 @43953 has 22 MA's), (Start: 2 @43941 has 1 MA's), (Start: 3 @43881 has 13 MA's), (5, 43839), (6, 43752), (8, 43716), (10, 43689), (12, 43539), (14, 43497),

Gene: Bradshaw_65 Start: 43611, Stop: 43135, Start Num: 1
Candidate Starts for Bradshaw_65:
(Start: 1 @43611 has 22 MA's), (Start: 2 @43599 has 1 MA's), (Start: 3 @43539 has 13 MA's), (5, 43497), (6, 43410), (8, 43374), (10, 43347), (12, 43197), (14, 43155),

Gene: Bryce_64 Start: 43357, Stop: 42881, Start Num: 1
Candidate Starts for Bryce_64:
(Start: 1 @43357 has 22 MA's), (Start: 2 @43345 has 1 MA's), (Start: 3 @43285 has 13 MA's), (5, 43243), (6, 43156), (8, 43120), (10, 43093), (12, 42943), (14, 42901),

Gene: CosmicSans_65 Start: 43530, Stop: 43126, Start Num: 3
Candidate Starts for CosmicSans_65:
(Start: 1 @43602 has 22 MA's), (Start: 2 @43590 has 1 MA's), (Start: 3 @43530 has 13 MA's), (5, 43488), (6, 43401), (8, 43365), (10, 43338), (12, 43188), (14, 43146),

Gene: Dinger_65 Start: 43741, Stop: 43265, Start Num: 1
Candidate Starts for Dinger_65:
(Start: 1 @43741 has 22 MA's), (Start: 2 @43729 has 1 MA's), (Start: 3 @43669 has 13 MA's), (8, 43504), (10, 43477), (12, 43327), (13, 43303),

Gene: Erik_65 Start: 43433, Stop: 42957, Start Num: 1
Candidate Starts for Erik_65:
(Start: 1 @43433 has 22 MA's), (Start: 2 @43421 has 1 MA's), (Start: 3 @43361 has 13 MA's), (5, 43319), (6, 43232), (8, 43196), (10, 43169), (12, 43019), (14, 42977),

Gene: Espica_66 Start: 43543, Stop: 43067, Start Num: 1
Candidate Starts for Espica_66:
(Start: 1 @43543 has 22 MA's), (Start: 2 @43531 has 1 MA's), (Start: 3 @43471 has 13 MA's), (5, 43429), (6, 43342), (8, 43306), (10, 43279), (12, 43129), (14, 43087),

Gene: Gollum_65 Start: 43544, Stop: 43068, Start Num: 1
Candidate Starts for Gollum_65:

(Start: 1 @43544 has 22 MA's), (Start: 2 @43532 has 1 MA's), (Start: 3 @43472 has 13 MA's), (5, 43430), (6, 43343), (8, 43307), (10, 43280), (12, 43130), (14, 43088),

Gene: Harlequin_65 Start: 43392, Stop: 42916, Start Num: 1
Candidate Starts for Harlequin_65:
(Start: 1 @43392 has 22 MA's), (Start: 2 @43380 has 1 MA's), (Start: 3 @43320 has 13 MA's), (5, 43278), (6, 43191), (8, 43155), (10, 43128), (12, 42978), (14, 42936),

Gene: Hiro_65 Start: 43863, Stop: 43387, Start Num: 1
Candidate Starts for Hiro_65:
(Start: 1 @43863 has 22 MA's), (Start: 2 @43851 has 1 MA's), (Start: 3 @43791 has 13 MA's), (5, 43749), (6, 43662), (8, 43626), (10, 43599), (12, 43449), (14, 43407),

Gene: Jester_64 Start: 43323, Stop: 42847, Start Num: 1
Candidate Starts for Jester_64:
(Start: 1 @43323 has 22 MA's), (Start: 2 @43311 has 1 MA's), (Start: 3 @43251 has 13 MA's), (5, 43209), (6, 43122), (8, 43086), (10, 43059), (12, 42909), (14, 42867),

Gene: Krishelle_65 Start: 43971, Stop: 43495, Start Num: 1
Candidate Starts for Krishelle_65:
(Start: 1 @43971 has 22 MA's), (Start: 2 @43959 has 1 MA's), (Start: 3 @43899 has 13 MA's), (5, 43857), (6, 43770), (8, 43734), (10, 43707), (12, 43557), (14, 43515),

Gene: Lillie_65 Start: 43530, Stop: 43126, Start Num: 3
Candidate Starts for Lillie_65:
(Start: 1 @43602 has 22 MA's), (Start: 2 @43590 has 1 MA's), (Start: 3 @43530 has 13 MA's), (5, 43488), (6, 43401), (8, 43365), (10, 43338), (12, 43188), (14, 43146),

Gene: Naiad_64 Start: 43552, Stop: 43148, Start Num: 3
Candidate Starts for Naiad_64:
(Start: 1 @43624 has 22 MA's), (Start: 2 @43612 has 1 MA's), (Start: 3 @43552 has 13 MA's), (5, 43510), (6, 43423), (8, 43387), (10, 43360), (12, 43210), (14, 43168),

Gene: Nancinator_64 Start: 42941, Stop: 42465, Start Num: 1
Candidate Starts for Nancinator_64:
(Start: 1 @42941 has 22 MA's), (Start: 2 @42929 has 1 MA's), (Start: 3 @42869 has 13 MA's), (5, 42827), (6, 42740), (8, 42704), (10, 42677), (12, 42527), (14, 42485),

Gene: Natosaleda_64 Start: 43470, Stop: 43066, Start Num: 3
Candidate Starts for Natosaleda_64:
(Start: 1 @43542 has 22 MA's), (Start: 2 @43530 has 1 MA's), (Start: 3 @43470 has 13 MA's), (5, 43428), (6, 43341), (8, 43305), (10, 43278), (12, 43128), (14, 43086),

Gene: Partridge_66 Start: 44015, Stop: 43611, Start Num: 3
Candidate Starts for Partridge_66:
(Start: 1 @44087 has 22 MA's), (Start: 2 @44075 has 1 MA's), (Start: 3 @44015 has 13 MA's), (8, 43850), (10, 43823), (12, 43673), (13, 43649),

Gene: PhailMary_62 Start: 42619, Stop: 42143, Start Num: 1
Candidate Starts for PhailMary_62:
(Start: 1 @42619 has 22 MA's), (Start: 2 @42607 has 1 MA's), (Start: 3 @42547 has 13 MA's), (5, 42505), (6, 42418), (8, 42382), (10, 42355), (12, 42205), (14, 42163),

Gene: Phrankenstein_65 Start: 43548, Stop: 43072, Start Num: 1
Candidate Starts for Phrankenstein_65:
(Start: 1 @43548 has 22 MA's), (Start: 2 @43536 has 1 MA's), (Start: 3 @43476 has 13 MA's), (5, 43434), (6, 43347), (8, 43311), (10, 43284), (12, 43134), (14, 43092),

Gene: RER2_59 Start: 40402, Stop: 39998, Start Num: 3
Candidate Starts for RER2_59:
(Start: 1 @40474 has 22 MA's), (Start: 2 @40462 has 1 MA's), (Start: 3 @40402 has 13 MA's), (5, 40360), (6, 40273), (8, 40237), (10, 40210), (12, 40060), (14, 40018),

Gene: RGL3_60 Start: 42001, Stop: 41582, Start Num: 3
Candidate Starts for RGL3_60:
(Start: 3 @42001 has 13 MA's), (4, 41986), (7, 41866), (8, 41836), (9, 41818), (10, 41809), (11, 41761), (15, 41599),

Gene: Rasputin_65 Start: 43572, Stop: 43096, Start Num: 1
Candidate Starts for Rasputin_65:
(Start: 1 @43572 has 22 MA's), (Start: 2 @43560 has 1 MA's), (Start: 3 @43500 has 13 MA's), (5, 43458), (6, 43371), (8, 43335), (10, 43308), (12, 43158), (14, 43116),

Gene: RexFury_64 Start: 43560, Stop: 43156, Start Num: 3
Candidate Starts for RexFury_64:
(Start: 1 @43632 has 22 MA's), (Start: 2 @43620 has 1 MA's), (Start: 3 @43560 has 13 MA's), (5, 43518), (6, 43431), (8, 43395), (10, 43368), (12, 43218), (14, 43176),

Gene: Rhodalysa_65 Start: 43530, Stop: 43126, Start Num: 3
Candidate Starts for Rhodalysa_65:
(Start: 1 @43602 has 22 MA's), (Start: 2 @43590 has 1 MA's), (Start: 3 @43530 has 13 MA's), (5, 43488), (6, 43401), (8, 43365), (10, 43338), (12, 43188), (14, 43146),

Gene: Shuman_66 Start: 43553, Stop: 43077, Start Num: 1
Candidate Starts for Shuman_66:
(Start: 1 @43553 has 22 MA's), (Start: 2 @43541 has 1 MA's), (Start: 3 @43481 has 13 MA's), (5, 43439), (6, 43352), (8, 43316), (10, 43289), (12, 43139), (14, 43097),

Gene: StCroix_64 Start: 43552, Stop: 43148, Start Num: 3
Candidate Starts for StCroix_64:
(Start: 1 @43624 has 22 MA's), (Start: 2 @43612 has 1 MA's), (Start: 3 @43552 has 13 MA's), (5, 43510), (6, 43423), (8, 43387), (10, 43360), (12, 43210), (14, 43168),

Gene: Swann_65 Start: 43600, Stop: 43124, Start Num: 1
Candidate Starts for Swann_65:
(Start: 1 @43600 has 22 MA's), (Start: 2 @43588 has 1 MA's), (Start: 3 @43528 has 13 MA's), (5, 43486), (6, 43399), (8, 43363), (10, 43336), (12, 43186), (14, 43144),

Gene: TWAMP_65 Start: 43530, Stop: 43126, Start Num: 3
Candidate Starts for TWAMP_65:
(Start: 1 @43602 has 22 MA's), (Start: 2 @43590 has 1 MA's), (Start: 3 @43530 has 13 MA's), (5, 43488), (6, 43401), (8, 43365), (10, 43338), (12, 43188), (14, 43146),

Gene: Takoda_67 Start: 43931, Stop: 43455, Start Num: 1
Candidate Starts for Takoda_67:

(Start: 1 @43931 has 22 MA's), (Start: 2 @43919 has 1 MA's), (Start: 3 @43859 has 13 MA's), (8, 43694), (10, 43667), (12, 43517),

Gene: UhSalsa_65 Start: 43531, Stop: 43067, Start Num: 2
Candidate Starts for UhSalsa_65:
(Start: 1 @43543 has 22 MA's), (Start: 2 @43531 has 1 MA's), (Start: 3 @43471 has 13 MA's), (5, 43429), (6, 43342), (8, 43306), (10, 43279), (12, 43129), (14, 43087),

Gene: Yogi_66 Start: 43881, Stop: 43477, Start Num: 3
Candidate Starts for Yogi_66:
(Start: 1 @43953 has 22 MA's), (Start: 2 @43941 has 1 MA's), (Start: 3 @43881 has 13 MA's), (5, 43839), (6, 43752), (8, 43716), (10, 43689), (12, 43539), (14, 43497),

Gene: Yoncess_64 Start: 43289, Stop: 42885, Start Num: 3
Candidate Starts for Yoncess_64:
(Start: 1 @43361 has 22 MA's), (Start: 2 @43349 has 1 MA's), (Start: 3 @43289 has 13 MA's), (5, 43247), (6, 43160), (8, 43124), (10, 43097), (12, 42947), (14, 42905),