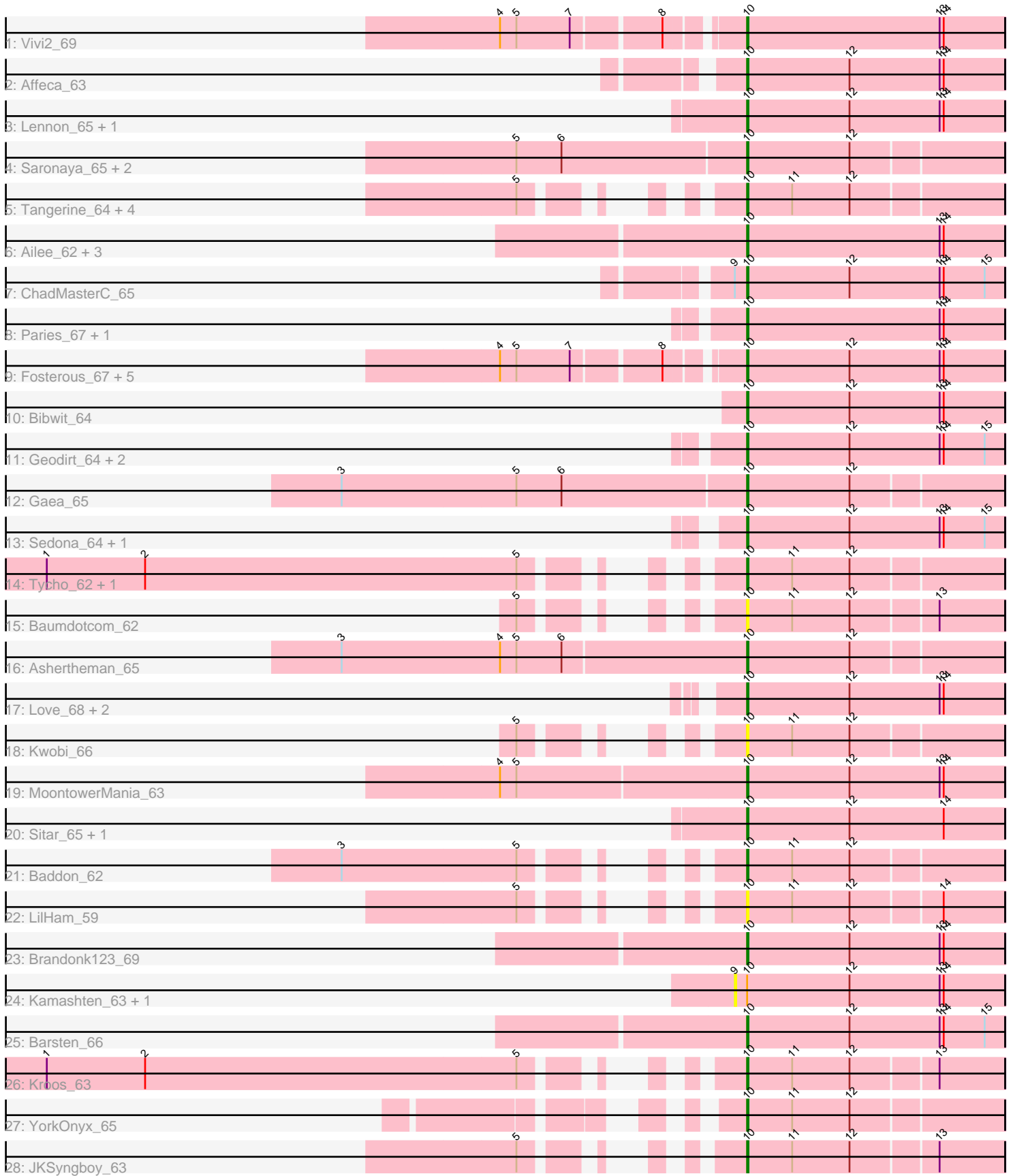


Pham 1992



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 1992 Report

This analysis was run 04/28/24 on database version 559.

Pham number 1992 has 52 members, 10 are drafts.

Phages represented in each track:

- Track 1 : Vivi2_69
- Track 2 : Affeca_63
- Track 3 : Lennon_65, Kewpiedoll_64
- Track 4 : Saronaya_65, SchottB_62, Gustavo_65
- Track 5 : Tangerine_64, Flatwoods_64, Derg_61, StorminNorm_64, Ribeye_63
- Track 6 : Ailee_62, Fitzgerald_63, Jabberwocky_63, Sanjuju_64
- Track 7 : ChadMasterC_65
- Track 8 : Paries_67, Galadriel_64
- Track 9 : Fosterous_67, Charming_67, Rofo_64, BobBob_64, Tangent_66, Nordenberg_62
- Track 10 : Bibwit_64
- Track 11 : Geodirt_64, RiverRaider_66, Shivanishola_62
- Track 12 : Gaea_65
- Track 13 : Sedona_64, Angelicage_62
- Track 14 : Tycho_62, Bizzy_64
- Track 15 : Baumdotcom_62
- Track 16 : Ashertheman_65
- Track 17 : Love_68, McKinley_67, Stultus_61
- Track 18 : Kwobi_66
- Track 19 : MoontowerMania_63
- Track 20 : Sitar_65, Keitabear_64
- Track 21 : Baddon_62
- Track 22 : LilHam_59
- Track 23 : Brandonk123_69
- Track 24 : Kamashten_63, Thing3_63
- Track 25 : Barsten_66
- Track 26 : Kroos_63
- Track 27 : YorkOnyx_65
- Track 28 : JKSyngboy_63

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

The start number called the most often in the published annotations is 10, it was called in 42 of the 42 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Affeca_63, Ailee_62, Angelicage_62, Ashertheman_65, Baddon_62, Barsten_66, Baumdotcom_62, Bibwit_64, Bizzy_64, BobBob_64, Brandonk123_69, ChadMasterC_65, Charming_67, Derg_61, Fitzgerald_63, Flatwoods_64, Fosterous_67, Gaea_65, Galadriel_64, Geodirt_64, Gustavo_65, JKSyngboy_63, Jabberwocky_63, Keitabear_64, Kewpiedoll_64, Kroos_63, Kwobi_66, Lennon_65, LilHam_59, Love_68, McKinley_67, MoontowerMania_63, Nordenberg_62, Paries_67, Ribeye_63, RiverRaider_66, Rofo_64, Sanjuju_64, Saronaya_65, SchottB_62, Sedona_64, Shivanishola_62, Sitar_65, StorminNorm_64, Stultus_61, Tangent_66, Tangerine_64, Tycho_62, Vivi2_69, YorkOnyx_65,

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

- Kamashten_63, Thing3_63,

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

-

Summary by start number:

Start 9:

- Found in 3 of 52 (5.8%) of genes in pham
- No Manual Annotations of this start.
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Kamashten_63 (DE1), Thing3_63 (DE1),

Start 10:

- Found in 52 of 52 (100.0%) of genes in pham
- Manual Annotations of this start: 42 of 42
- Called 96.2% of time when present
- Phage (with cluster) where this start called: Affeca_63 (DE1), Ailee_62 (DE1), Angelicage_62 (DE1), Ashertheman_65 (DE1), Baddon_62 (DE1), Barsten_66 (DE1), Baumdotcom_62 (DE1), Bibwit_64 (DE1), Bizzy_64 (DE1), BobBob_64 (DE1), Brandonk123_69 (DE1), ChadMasterC_65 (DE1), Charming_67 (DE1), Derg_61 (DE1), Fitzgerald_63 (DE1), Flatwoods_64 (DE1), Fosterous_67 (DE1), Gaea_65 (DE1), Galadriel_64 (DE1), Geodirt_64 (DE1), Gustavo_65 (DE1), JKSyngboy_63 (DE1), Jabberwocky_63 (DE1), Keitabear_64 (DE1), Kewpiedoll_64 (DE1), Kroos_63 (DE1), Kwobi_66 (DE1), Lennon_65 (DE1), LilHam_59 (DE1), Love_68 (DE1), McKinley_67 (DE1), MoontowerMania_63 (DE1), Nordenberg_62 (DE1), Paries_67 (DE1), Ribeye_63 (DE1), RiverRaider_66 (DE1), Rofo_64 (DE1), Sanjuju_64 (DE1), Saronaya_65 (DE1), SchottB_62 (DE1), Sedona_64 (DE1), Shivanishola_62 (DE1), Sitar_65 (DE1), StorminNorm_64 (DE1), Stultus_61 (DE1), Tangent_66 (DE1), Tangerine_64 (DE1), Tycho_62 (DE1), Vivi2_69 (DE1), YorkOnyx_65 (DE1),

Summary by clusters:

There is one cluster represented in this pham: DE1

Info for manual annotations of cluster DE1:

- Start number 10 was manually annotated 42 times for cluster DE1.

Gene Information:

Gene: Affeca_63 Start: 50359, Stop: 50547, Start Num: 10

Candidate Starts for Affeca_63:

(Start: 10 @50359 has 42 MA's), (12, 50434), (13, 50500), (14, 50503),

Gene: Ailee_62 Start: 50079, Stop: 50267, Start Num: 10

Candidate Starts for Ailee_62:

(Start: 10 @50079 has 42 MA's), (13, 50220), (14, 50223),

Gene: Angelicage_62 Start: 50310, Stop: 50498, Start Num: 10

Candidate Starts for Angelicage_62:

(Start: 10 @50310 has 42 MA's), (12, 50385), (13, 50451), (14, 50454), (15, 50484),

Gene: Ashertheman_65 Start: 49448, Stop: 49630, Start Num: 10

Candidate Starts for Ashertheman_65:

(3, 49157), (4, 49271), (5, 49283), (6, 49316), (Start: 10 @49448 has 42 MA's), (12, 49523),

Gene: Baddon_62 Start: 49818, Stop: 50000, Start Num: 10

Candidate Starts for Baddon_62:

(3, 49605), (5, 49731), (Start: 10 @49818 has 42 MA's), (11, 49851), (12, 49893),

Gene: Barsten_66 Start: 50587, Stop: 50775, Start Num: 10

Candidate Starts for Barsten_66:

(Start: 10 @50587 has 42 MA's), (12, 50662), (13, 50728), (14, 50731), (15, 50761),

Gene: Baumdotcom_62 Start: 49119, Stop: 49301, Start Num: 10

Candidate Starts for Baumdotcom_62:

(5, 49032), (Start: 10 @49119 has 42 MA's), (11, 49152), (12, 49194), (13, 49254),

Gene: Bibwit_64 Start: 49673, Stop: 49861, Start Num: 10

Candidate Starts for Bibwit_64:

(Start: 10 @49673 has 42 MA's), (12, 49748), (13, 49814), (14, 49817),

Gene: Bizzy_64 Start: 49014, Stop: 49196, Start Num: 10

Candidate Starts for Bizzy_64:

(1, 48585), (2, 48657), (5, 48927), (Start: 10 @49014 has 42 MA's), (11, 49047), (12, 49089),

Gene: BobBob_64 Start: 49799, Stop: 49987, Start Num: 10

Candidate Starts for BobBob_64:

(4, 49640), (5, 49652), (7, 49691), (8, 49751), (Start: 10 @49799 has 42 MA's), (12, 49874), (13, 49940), (14, 49943),

Gene: Brandonk123_69 Start: 50380, Stop: 50568, Start Num: 10

Candidate Starts for Brandonk123_69:

(Start: 10 @50380 has 42 MA's), (12, 50455), (13, 50521), (14, 50524),

Gene: ChadMasterC_65 Start: 51966, Stop: 52154, Start Num: 10

Candidate Starts for ChadMasterC_65:

(9, 51957), (Start: 10 @51966 has 42 MA's), (12, 52041), (13, 52107), (14, 52110), (15, 52140),

Gene: Charming_67 Start: 49743, Stop: 49931, Start Num: 10

Candidate Starts for Charming_67:

(4, 49584), (5, 49596), (7, 49635), (8, 49695), (Start: 10 @49743 has 42 MA's), (12, 49818), (13, 49884), (14, 49887),

Gene: Derg_61 Start: 47811, Stop: 47993, Start Num: 10

Candidate Starts for Derg_61:

(5, 47724), (Start: 10 @47811 has 42 MA's), (11, 47844), (12, 47886),

Gene: Fitzgerald_63 Start: 50821, Stop: 51009, Start Num: 10

Candidate Starts for Fitzgerald_63:

(Start: 10 @50821 has 42 MA's), (13, 50962), (14, 50965),

Gene: Flatwoods_64 Start: 48692, Stop: 48874, Start Num: 10

Candidate Starts for Flatwoods_64:

(5, 48605), (Start: 10 @48692 has 42 MA's), (11, 48725), (12, 48767),

Gene: Fosterous_67 Start: 50737, Stop: 50925, Start Num: 10

Candidate Starts for Fosterous_67:

(4, 50578), (5, 50590), (7, 50629), (8, 50689), (Start: 10 @50737 has 42 MA's), (12, 50812), (13, 50878), (14, 50881),

Gene: Gaea_65 Start: 49221, Stop: 49403, Start Num: 10

Candidate Starts for Gaea_65:

(3, 48930), (5, 49056), (6, 49089), (Start: 10 @49221 has 42 MA's), (12, 49296),

Gene: Galadriel_64 Start: 50879, Stop: 51067, Start Num: 10

Candidate Starts for Galadriel_64:

(Start: 10 @50879 has 42 MA's), (13, 51020), (14, 51023),

Gene: Geodirt_64 Start: 51030, Stop: 51218, Start Num: 10

Candidate Starts for Geodirt_64:

(Start: 10 @51030 has 42 MA's), (12, 51105), (13, 51171), (14, 51174), (15, 51204),

Gene: Gustavo_65 Start: 49894, Stop: 50076, Start Num: 10

Candidate Starts for Gustavo_65:

(5, 49729), (6, 49762), (Start: 10 @49894 has 42 MA's), (12, 49969),

Gene: JKSyngboy_63 Start: 50044, Stop: 50226, Start Num: 10

Candidate Starts for JKSyngboy_63:

(5, 49957), (Start: 10 @50044 has 42 MA's), (11, 50077), (12, 50119), (13, 50179),

Gene: Jabberwocky_63 Start: 51055, Stop: 51243, Start Num: 10

Candidate Starts for Jabberwocky_63:

(Start: 10 @51055 has 42 MA's), (13, 51196), (14, 51199),

Gene: Kamashten_63 Start: 49623, Stop: 49820, Start Num: 9

Candidate Starts for Kamashten_63:

(9, 49623), (Start: 10 @49632 has 42 MA's), (12, 49707), (13, 49773), (14, 49776),

Gene: Keitabear_64 Start: 51593, Stop: 51781, Start Num: 10

Candidate Starts for Keitabear_64:

(Start: 10 @51593 has 42 MA's), (12, 51668), (14, 51737),

Gene: Kewpiedoll_64 Start: 50951, Stop: 51139, Start Num: 10

Candidate Starts for Kewpiedoll_64:

(Start: 10 @50951 has 42 MA's), (12, 51026), (13, 51092), (14, 51095),

Gene: Kroos_63 Start: 49581, Stop: 49763, Start Num: 10

Candidate Starts for Kroos_63:

(1, 49152), (2, 49224), (5, 49494), (Start: 10 @49581 has 42 MA's), (11, 49614), (12, 49656), (13, 49716),

Gene: Kwobi_66 Start: 50190, Stop: 50372, Start Num: 10

Candidate Starts for Kwobi_66:

(5, 50103), (Start: 10 @50190 has 42 MA's), (11, 50223), (12, 50265),

Gene: Lennon_65 Start: 51742, Stop: 51930, Start Num: 10

Candidate Starts for Lennon_65:

(Start: 10 @51742 has 42 MA's), (12, 51817), (13, 51883), (14, 51886),

Gene: LilHam_59 Start: 47090, Stop: 47272, Start Num: 10

Candidate Starts for LilHam_59:

(5, 47003), (Start: 10 @47090 has 42 MA's), (11, 47123), (12, 47165), (14, 47228),

Gene: Love_68 Start: 50798, Stop: 50986, Start Num: 10

Candidate Starts for Love_68:

(Start: 10 @50798 has 42 MA's), (12, 50873), (13, 50939), (14, 50942),

Gene: McKinley_67 Start: 50798, Stop: 50986, Start Num: 10

Candidate Starts for McKinley_67:

(Start: 10 @50798 has 42 MA's), (12, 50873), (13, 50939), (14, 50942),

Gene: MoontowerMania_63 Start: 50919, Stop: 51107, Start Num: 10

Candidate Starts for MoontowerMania_63:

(4, 50742), (5, 50754), (Start: 10 @50919 has 42 MA's), (12, 50994), (13, 51060), (14, 51063),

Gene: Nordenberg_62 Start: 49307, Stop: 49495, Start Num: 10

Candidate Starts for Nordenberg_62:

(4, 49148), (5, 49160), (7, 49199), (8, 49259), (Start: 10 @49307 has 42 MA's), (12, 49382), (13, 49448), (14, 49451),

Gene: Paries_67 Start: 51065, Stop: 51253, Start Num: 10

Candidate Starts for Paries_67:

(Start: 10 @51065 has 42 MA's), (13, 51206), (14, 51209),

Gene: Ribeye_63 Start: 48889, Stop: 49071, Start Num: 10

Candidate Starts for Ribeye_63:

(5, 48802), (Start: 10 @48889 has 42 MA's), (11, 48922), (12, 48964),

Gene: RiverRaider_66 Start: 48415, Stop: 48603, Start Num: 10

Candidate Starts for RiverRaider_66:

(Start: 10 @48415 has 42 MA's), (12, 48490), (13, 48556), (14, 48559), (15, 48589),

Gene: Rofo_64 Start: 50319, Stop: 50507, Start Num: 10

Candidate Starts for Rofo_64:

(4, 50160), (5, 50172), (7, 50211), (8, 50271), (Start: 10 @50319 has 42 MA's), (12, 50394), (13, 50460), (14, 50463),

Gene: Sanjuju_64 Start: 50953, Stop: 51141, Start Num: 10

Candidate Starts for Sanjuju_64:

(Start: 10 @50953 has 42 MA's), (13, 51094), (14, 51097),

Gene: Saronaya_65 Start: 49894, Stop: 50076, Start Num: 10

Candidate Starts for Saronaya_65:

(5, 49729), (6, 49762), (Start: 10 @49894 has 42 MA's), (12, 49969),

Gene: SchottB_62 Start: 49804, Stop: 49986, Start Num: 10

Candidate Starts for SchottB_62:

(5, 49639), (6, 49672), (Start: 10 @49804 has 42 MA's), (12, 49879),

Gene: Sedona_64 Start: 51526, Stop: 51714, Start Num: 10

Candidate Starts for Sedona_64:

(Start: 10 @51526 has 42 MA's), (12, 51601), (13, 51667), (14, 51670), (15, 51700),

Gene: Shivanishola_62 Start: 48571, Stop: 48759, Start Num: 10

Candidate Starts for Shivanishola_62:

(Start: 10 @48571 has 42 MA's), (12, 48646), (13, 48712), (14, 48715), (15, 48745),

Gene: Sitar_65 Start: 51451, Stop: 51639, Start Num: 10

Candidate Starts for Sitar_65:

(Start: 10 @51451 has 42 MA's), (12, 51526), (14, 51595),

Gene: StorminNorm_64 Start: 49690, Stop: 49872, Start Num: 10

Candidate Starts for StorminNorm_64:

(5, 49603), (Start: 10 @49690 has 42 MA's), (11, 49723), (12, 49765),

Gene: Stultus_61 Start: 49698, Stop: 49886, Start Num: 10

Candidate Starts for Stultus_61:

(Start: 10 @49698 has 42 MA's), (12, 49773), (13, 49839), (14, 49842),

Gene: Tangent_66 Start: 50024, Stop: 50212, Start Num: 10

Candidate Starts for Tangent_66:

(4, 49865), (5, 49877), (7, 49916), (8, 49976), (Start: 10 @50024 has 42 MA's), (12, 50099), (13, 50165), (14, 50168),

Gene: Tangerine_64 Start: 49200, Stop: 49382, Start Num: 10

Candidate Starts for Tangerine_64:

(5, 49113), (Start: 10 @49200 has 42 MA's), (11, 49233), (12, 49275),

Gene: Thing3_63 Start: 49623, Stop: 49820, Start Num: 9

Candidate Starts for Thing3_63:

(9, 49623), (Start: 10 @49632 has 42 MA's), (12, 49707), (13, 49773), (14, 49776),

Gene: Tycho_62 Start: 49003, Stop: 49185, Start Num: 10

Candidate Starts for Tycho_62:

(1, 48574), (2, 48646), (5, 48916), (Start: 10 @49003 has 42 MA's), (11, 49036), (12, 49078),

Gene: Vivi2_69 Start: 51079, Stop: 51267, Start Num: 10

Candidate Starts for Vivi2_69:

(4, 50920), (5, 50932), (7, 50971), (8, 51031), (Start: 10 @51079 has 42 MA's), (13, 51220), (14, 51223),

Gene: YorkOnyx_65 Start: 49206, Stop: 49388, Start Num: 10

Candidate Starts for YorkOnyx_65:

(Start: 10 @49206 has 42 MA's), (11, 49239), (12, 49281),