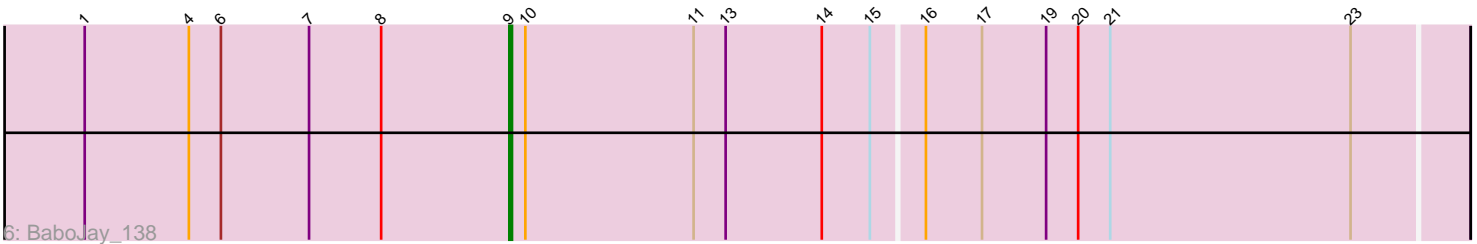
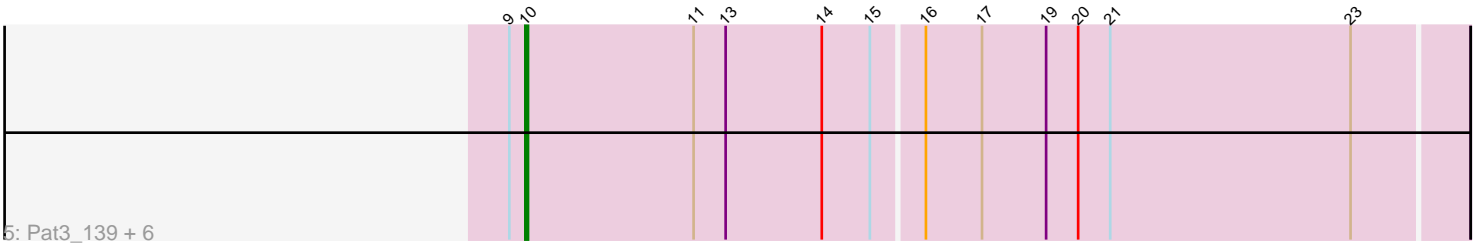
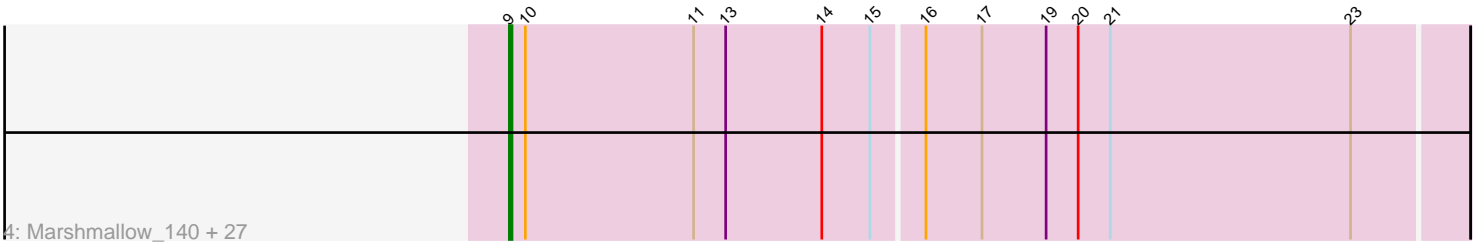
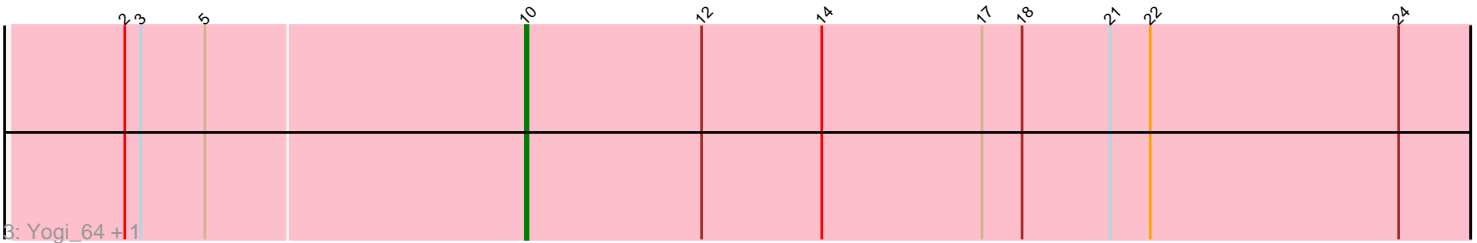
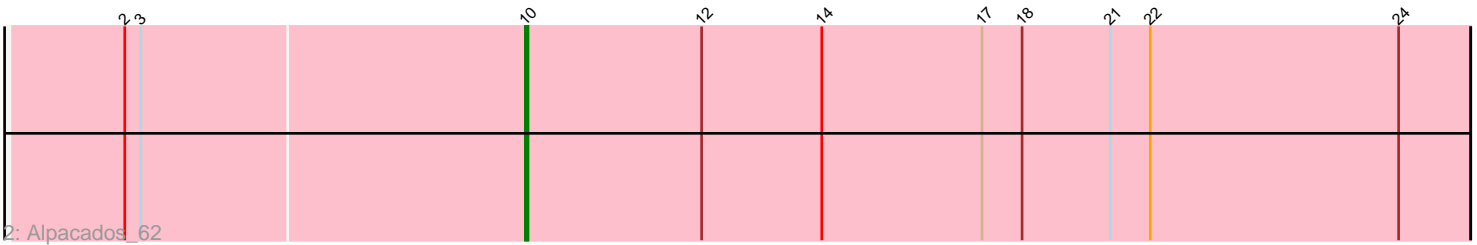
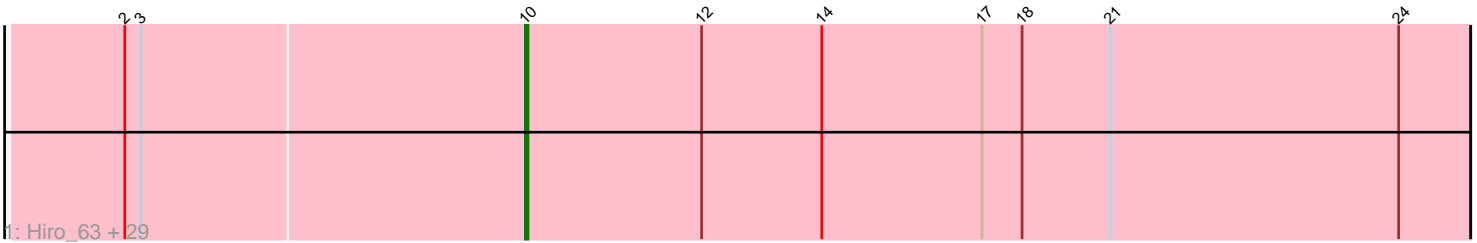


Pham 1304



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 1304 Report

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

Pham number 1304 has 69 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Hiro_63, PhailMary_60, Espica_64, CosmicSans_63, Naiad_62, Shuman_64, Bryce_62, Natosaleda_62, RexFury_62, TWAMP_63, Rasputin_63, Harlequin_63, Swann_63, Alatin_62, UhSalsa_63, Phrankenstein_63, Nancinator_62, Gollum_63, Erik_63, BobbyDazzler_63, Belenaria_64, Lillie_63, Yoncess_62, RER2_57, Rhodalysa_63, AppleCloud_60, Bradshaw_63, Jester_62, StCroix_62, Krishelle_63
- Track 2 : Alpacados_62
- Track 3 : Yogi_64, Bonanza_64
- Track 4 : Marshmallow_140, PhatBacter_142, Eureka_139, Inca_138, FireRed_142, Thresher_141, Phrux_135, OrionPax_135, Gator_140, Porky_141, Rimmer_136, Bench_141, ChotaBhai_143, HufflyPuff_141, Lilac_136, Czyszczonek_139, YassJohnny_135, xkcd_143, Elph10_137, Murphy_138, Goku_138, Filch_141, Nimrod_138, Glexan_142, Petra64142_140, MISSy_141, Murica_143, RiverMonster_138
- Track 5 : Pat3_139, DoctorDiddles_137, HanKaySha_138, Simpliphy_138, MadamMonkfish_139, Emmina_140, JeTaime_137
- Track 6 : BaboJay_138

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 39 of the 67 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alatin_62, Alpacados_62, AppleCloud_60, Belenaria_64, BobbyDazzler_63, Bonanza_64, Bradshaw_63, Bryce_62, CosmicSans_63, DoctorDiddles_137, Emmina_140, Erik_63, Espica_64, Gollum_63, HanKaySha_138, Harlequin_63, Hiro_63, JeTaime_137, Jester_62, Krishelle_63, Lillie_63, MadamMonkfish_139, Naiad_62, Nancinator_62, Natosaleda_62, Pat3_139, PhailMary_60, Phrankenstein_63, RER2_57, Rasputin_63, RexFury_62, Rhodalysa_63, Shuman_64, Simpliphy_138, StCroix_62, Swann_63, TWAMP_63, UhSalsa_63, Yogi_64, Yoncess_62,

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

- BaboJay_138, Bench_141, ChotaBhai_143, Czyszczone1_139, Elph10_137, Eureka_139, Filch_141, FireRed_142, Gator_140, Glexan_142, Goku_138, HufflyPuff_141, Inca_138, Lilac_136, MISSy_141, Marshmallow_140, Murica_143, Murphy_138, Nimrod_138, OrionPax_135, Petra64142_140, PhatBacter_142, Phrux_135, Porky_141, Rimmer_136, RiverMonster_138, Thresher_141, YassJohnny_135, xkcd_143,

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

-

Summary by start number:

Start 9:

- Found in 36 of 69 (52.2%) of genes in pham
- Manual Annotations of this start: 28 of 67
- Called 80.6% of time when present
- Phage (with cluster) where this start called: BaboJay_138 (E), Bench_141 (E), ChotaBhai_143 (E), Czyszczone1_139 (E), Elph10_137 (E), Eureka_139 (E), Filch_141 (E), FireRed_142 (E), Gator_140 (E), Glexan_142 (E), Goku_138 (E), HufflyPuff_141 (E), Inca_138 (E), Lilac_136 (E), MISSy_141 (E), Marshmallow_140 (E), Murica_143 (E), Murphy_138 (E), Nimrod_138 (E), OrionPax_135 (E), Petra64142_140 (E), PhatBacter_142 (E), Phrux_135 (E), Porky_141 (E), Rimmer_136 (E), RiverMonster_138 (E), Thresher_141 (E), YassJohnny_135 (E), xkcd_143 (E),

Start 10:

- Found in 69 of 69 (100.0%) of genes in pham
- Manual Annotations of this start: 39 of 67
- Called 58.0% of time when present
- Phage (with cluster) where this start called: Alatin_62 (CA), Alpacados_62 (CA), AppleCloud_60 (CA), Belenaria_64 (CA), BobbyDazzler_63 (CA), Bonanza_64 (CA), Bradshaw_63 (CA), Bryce_62 (CA), CosmicSans_63 (CA), DoctorDiddles_137 (E), Emminea_140 (E), Erik_63 (CA), Espica_64 (CA), Gollum_63 (CA), HanKaySha_138 (E), Harlequin_63 (CA), Hiro_63 (CA), JeTaime_137 (E), Jester_62 (CA), Krishelle_63 (CA), Lillie_63 (CA), MadamMonkfish_139 (E), Naiad_62 (CA), Nancinator_62 (CA), Natosaleda_62 (CA), Pat3_139 (E), PhailMary_60 (CA), Phrankenstien_63 (CA), RER2_57 (CA), Rasputin_63 (CA), RexFury_62 (CA), Rhodalysa_63 (CA), Shuman_64 (CA), Simpliphy_138 (E), StCroix_62 (CA), Swann_63 (CA), TWAMP_63 (CA), UhSalsa_63 (CA), Yogi_64 (CA), Yoncess_62 (CA),

Summary by clusters:

There are 2 clusters represented in this pham: CA, E,

Info for manual annotations of cluster CA:

- Start number 10 was manually annotated 32 times for cluster CA.

Info for manual annotations of cluster E:

- Start number 9 was manually annotated 28 times for cluster E.
- Start number 10 was manually annotated 7 times for cluster E.

Gene Information:

Gene: Alatin_62 Start: 42481, Stop: 42128, Start Num: 10

Candidate Starts for Alatin_62:

(2, 42628), (3, 42622), (Start: 10 @42481 has 39 MA's), (12, 42415), (14, 42370), (17, 42310), (18, 42295), (21, 42262), (24, 42154),

Gene: Alpacados_62 Start: 42304, Stop: 41951, Start Num: 10

Candidate Starts for Alpacados_62:

(2, 42451), (3, 42445), (Start: 10 @42304 has 39 MA's), (12, 42238), (14, 42193), (17, 42133), (18, 42118), (21, 42085), (22, 42070), (24, 41977),

Gene: AppleCloud_60 Start: 42198, Stop: 41845, Start Num: 10

Candidate Starts for AppleCloud_60:

(2, 42345), (3, 42339), (Start: 10 @42198 has 39 MA's), (12, 42132), (14, 42087), (17, 42027), (18, 42012), (21, 41979), (24, 41871),

Gene: BaboJay_138 Start: 74084, Stop: 73731, Start Num: 9

Candidate Starts for BaboJay_138:

(1, 74243), (4, 74204), (6, 74192), (7, 74159), (8, 74132), (Start: 9 @74084 has 28 MA's), (Start: 10 @74078 has 39 MA's), (11, 74015), (13, 74003), (14, 73967), (15, 73949), (16, 73931), (17, 73910), (19, 73886), (20, 73874), (21, 73862), (23, 73772),

Gene: Belenaria_64 Start: 42346, Stop: 41993, Start Num: 10

Candidate Starts for Belenaria_64:

(2, 42493), (3, 42487), (Start: 10 @42346 has 39 MA's), (12, 42280), (14, 42235), (17, 42175), (18, 42160), (21, 42127), (24, 42019),

Gene: Bench_141 Start: 73807, Stop: 73454, Start Num: 9

Candidate Starts for Bench_141:

(Start: 9 @73807 has 28 MA's), (Start: 10 @73801 has 39 MA's), (11, 73738), (13, 73726), (14, 73690), (15, 73672), (16, 73654), (17, 73633), (19, 73609), (20, 73597), (21, 73585), (23, 73495),

Gene: BobbyDazzler_63 Start: 42452, Stop: 42099, Start Num: 10

Candidate Starts for BobbyDazzler_63:

(2, 42599), (3, 42593), (Start: 10 @42452 has 39 MA's), (12, 42386), (14, 42341), (17, 42281), (18, 42266), (21, 42233), (24, 42125),

Gene: Bonanza_64 Start: 42756, Stop: 42403, Start Num: 10

Candidate Starts for Bonanza_64:

(2, 42903), (3, 42897), (5, 42873), (Start: 10 @42756 has 39 MA's), (12, 42690), (14, 42645), (17, 42585), (18, 42570), (21, 42537), (22, 42522), (24, 42429),

Gene: Bradshaw_63 Start: 42414, Stop: 42061, Start Num: 10

Candidate Starts for Bradshaw_63:

(2, 42561), (3, 42555), (Start: 10 @42414 has 39 MA's), (12, 42348), (14, 42303), (17, 42243), (18, 42228), (21, 42195), (24, 42087),

Gene: Bryce_62 Start: 42160, Stop: 41807, Start Num: 10

Candidate Starts for Bryce_62:

(2, 42307), (3, 42301), (Start: 10 @42160 has 39 MA's), (12, 42094), (14, 42049), (17, 41989), (18, 41974), (21, 41941), (24, 41833),

Gene: ChotaBhai_143 Start: 73769, Stop: 73416, Start Num: 9

Candidate Starts for ChotaBhai_143:

(Start: 9 @73769 has 28 MA's), (Start: 10 @73763 has 39 MA's), (11, 73700), (13, 73688), (14, 73652), (15, 73634), (16, 73616), (17, 73595), (19, 73571), (20, 73559), (21, 73547), (23, 73457),

Gene: CosmicSans_63 Start: 42405, Stop: 42052, Start Num: 10

Candidate Starts for CosmicSans_63:

(2, 42552), (3, 42546), (Start: 10 @42405 has 39 MA's), (12, 42339), (14, 42294), (17, 42234), (18, 42219), (21, 42186), (24, 42078),

Gene: Czyszczone1_139 Start: 72998, Stop: 72645, Start Num: 9

Candidate Starts for Czyszczone1_139:

(Start: 9 @72998 has 28 MA's), (Start: 10 @72992 has 39 MA's), (11, 72929), (13, 72917), (14, 72881), (15, 72863), (16, 72845), (17, 72824), (19, 72800), (20, 72788), (21, 72776), (23, 72686),

Gene: DoctorDiddles_137 Start: 72500, Stop: 72153, Start Num: 10

Candidate Starts for DoctorDiddles_137:

(Start: 9 @72506 has 28 MA's), (Start: 10 @72500 has 39 MA's), (11, 72437), (13, 72425), (14, 72389), (15, 72371), (16, 72353), (17, 72332), (19, 72308), (20, 72296), (21, 72284), (23, 72194),

Gene: Elph10_137 Start: 72300, Stop: 71947, Start Num: 9

Candidate Starts for Elph10_137:

(Start: 9 @72300 has 28 MA's), (Start: 10 @72294 has 39 MA's), (11, 72231), (13, 72219), (14, 72183), (15, 72165), (16, 72147), (17, 72126), (19, 72102), (20, 72090), (21, 72078), (23, 71988),

Gene: Emmina_140 Start: 72914, Stop: 72567, Start Num: 10

Candidate Starts for Emmina_140:

(Start: 9 @72920 has 28 MA's), (Start: 10 @72914 has 39 MA's), (11, 72851), (13, 72839), (14, 72803), (15, 72785), (16, 72767), (17, 72746), (19, 72722), (20, 72710), (21, 72698), (23, 72608),

Gene: Erik_63 Start: 42236, Stop: 41883, Start Num: 10

Candidate Starts for Erik_63:

(2, 42383), (3, 42377), (Start: 10 @42236 has 39 MA's), (12, 42170), (14, 42125), (17, 42065), (18, 42050), (21, 42017), (24, 41909),

Gene: Espica_64 Start: 42346, Stop: 41993, Start Num: 10

Candidate Starts for Espica_64:

(2, 42493), (3, 42487), (Start: 10 @42346 has 39 MA's), (12, 42280), (14, 42235), (17, 42175), (18, 42160), (21, 42127), (24, 42019),

Gene: Eureka_139 Start: 73824, Stop: 73471, Start Num: 9

Candidate Starts for Eureka_139:

(Start: 9 @73824 has 28 MA's), (Start: 10 @73818 has 39 MA's), (11, 73755), (13, 73743), (14, 73707), (15, 73689), (16, 73671), (17, 73650), (19, 73626), (20, 73614), (21, 73602), (23, 73512),

Gene: Filch_141 Start: 73123, Stop: 72770, Start Num: 9

Candidate Starts for Filch_141:

(Start: 9 @73123 has 28 MA's), (Start: 10 @73117 has 39 MA's), (11, 73054), (13, 73042), (14, 73006), (15, 72988), (16, 72970), (17, 72949), (19, 72925), (20, 72913), (21, 72901), (23, 72811),

Gene: FireRed_142 Start: 73855, Stop: 73502, Start Num: 9

Candidate Starts for FireRed_142:

(Start: 9 @73855 has 28 MA's), (Start: 10 @73849 has 39 MA's), (11, 73786), (13, 73774), (14, 73738), (15, 73720), (16, 73702), (17, 73681), (19, 73657), (20, 73645), (21, 73633), (23, 73543),

Gene: Gator_140 Start: 74031, Stop: 73678, Start Num: 9

Candidate Starts for Gator_140:

(Start: 9 @74031 has 28 MA's), (Start: 10 @74025 has 39 MA's), (11, 73962), (13, 73950), (14, 73914), (15, 73896), (16, 73878), (17, 73857), (19, 73833), (20, 73821), (21, 73809), (23, 73719),

Gene: Glexan_142 Start: 74178, Stop: 73825, Start Num: 9

Candidate Starts for Glexan_142:

(Start: 9 @74178 has 28 MA's), (Start: 10 @74172 has 39 MA's), (11, 74109), (13, 74097), (14, 74061), (15, 74043), (16, 74025), (17, 74004), (19, 73980), (20, 73968), (21, 73956), (23, 73866),

Gene: Goku_138 Start: 74133, Stop: 73780, Start Num: 9

Candidate Starts for Goku_138:

(Start: 9 @74133 has 28 MA's), (Start: 10 @74127 has 39 MA's), (11, 74064), (13, 74052), (14, 74016), (15, 73998), (16, 73980), (17, 73959), (19, 73935), (20, 73923), (21, 73911), (23, 73821),

Gene: Gollum_63 Start: 42347, Stop: 41994, Start Num: 10

Candidate Starts for Gollum_63:

(2, 42494), (3, 42488), (Start: 10 @42347 has 39 MA's), (12, 42281), (14, 42236), (17, 42176), (18, 42161), (21, 42128), (24, 42020),

Gene: HanKaySha_138 Start: 73450, Stop: 73103, Start Num: 10

Candidate Starts for HanKaySha_138:

(Start: 9 @73456 has 28 MA's), (Start: 10 @73450 has 39 MA's), (11, 73387), (13, 73375), (14, 73339), (15, 73321), (16, 73303), (17, 73282), (19, 73258), (20, 73246), (21, 73234), (23, 73144),

Gene: Harlequin_63 Start: 42195, Stop: 41842, Start Num: 10

Candidate Starts for Harlequin_63:

(2, 42342), (3, 42336), (Start: 10 @42195 has 39 MA's), (12, 42129), (14, 42084), (17, 42024), (18, 42009), (21, 41976), (24, 41868),

Gene: Hiro_63 Start: 42666, Stop: 42313, Start Num: 10

Candidate Starts for Hiro_63:

(2, 42813), (3, 42807), (Start: 10 @42666 has 39 MA's), (12, 42600), (14, 42555), (17, 42495), (18, 42480), (21, 42447), (24, 42339),

Gene: HuffyPuff_141 Start: 74081, Stop: 73728, Start Num: 9

Candidate Starts for HuffyPuff_141:

(Start: 9 @74081 has 28 MA's), (Start: 10 @74075 has 39 MA's), (11, 74012), (13, 74000), (14, 73964), (15, 73946), (16, 73928), (17, 73907), (19, 73883), (20, 73871), (21, 73859), (23, 73769),

Gene: Inca_138 Start: 71506, Stop: 71153, Start Num: 9

Candidate Starts for Inca_138:

(Start: 9 @71506 has 28 MA's), (Start: 10 @71500 has 39 MA's), (11, 71437), (13, 71425), (14, 71389), (15, 71371), (16, 71353), (17, 71332), (19, 71308), (20, 71296), (21, 71284), (23, 71194),

Gene: JeTaime_137 Start: 73016, Stop: 72669, Start Num: 10

Candidate Starts for JeTaime_137:

(Start: 9 @73022 has 28 MA's), (Start: 10 @73016 has 39 MA's), (11, 72953), (13, 72941), (14, 72905), (15, 72887), (16, 72869), (17, 72848), (19, 72824), (20, 72812), (21, 72800), (23, 72710),

Gene: Jester_62 Start: 42126, Stop: 41773, Start Num: 10

Candidate Starts for Jester_62:

(2, 42273), (3, 42267), (Start: 10 @42126 has 39 MA's), (12, 42060), (14, 42015), (17, 41955), (18, 41940), (21, 41907), (24, 41799),

Gene: Krishelle_63 Start: 42774, Stop: 42421, Start Num: 10

Candidate Starts for Krishelle_63:

(2, 42921), (3, 42915), (Start: 10 @42774 has 39 MA's), (12, 42708), (14, 42663), (17, 42603), (18, 42588), (21, 42555), (24, 42447),

Gene: Lilac_136 Start: 74000, Stop: 73647, Start Num: 9

Candidate Starts for Lilac_136:

(Start: 9 @74000 has 28 MA's), (Start: 10 @73994 has 39 MA's), (11, 73931), (13, 73919), (14, 73883), (15, 73865), (16, 73847), (17, 73826), (19, 73802), (20, 73790), (21, 73778), (23, 73688),

Gene: Lillie_63 Start: 42405, Stop: 42052, Start Num: 10

Candidate Starts for Lillie_63:

(2, 42552), (3, 42546), (Start: 10 @42405 has 39 MA's), (12, 42339), (14, 42294), (17, 42234), (18, 42219), (21, 42186), (24, 42078),

Gene: MISSy_141 Start: 73897, Stop: 73544, Start Num: 9

Candidate Starts for MISSy_141:

(Start: 9 @73897 has 28 MA's), (Start: 10 @73891 has 39 MA's), (11, 73828), (13, 73816), (14, 73780), (15, 73762), (16, 73744), (17, 73723), (19, 73699), (20, 73687), (21, 73675), (23, 73585),

Gene: MadamMonkfish_139 Start: 72985, Stop: 72638, Start Num: 10

Candidate Starts for MadamMonkfish_139:

(Start: 9 @72991 has 28 MA's), (Start: 10 @72985 has 39 MA's), (11, 72922), (13, 72910), (14, 72874), (15, 72856), (16, 72838), (17, 72817), (19, 72793), (20, 72781), (21, 72769), (23, 72679),

Gene: Marshmallow_140 Start: 74176, Stop: 73823, Start Num: 9

Candidate Starts for Marshmallow_140:

(Start: 9 @74176 has 28 MA's), (Start: 10 @74170 has 39 MA's), (11, 74107), (13, 74095), (14, 74059), (15, 74041), (16, 74023), (17, 74002), (19, 73978), (20, 73966), (21, 73954), (23, 73864),

Gene: Murica_143 Start: 75121, Stop: 74768, Start Num: 9

Candidate Starts for Murica_143:

(Start: 9 @75121 has 28 MA's), (Start: 10 @75115 has 39 MA's), (11, 75052), (13, 75040), (14, 75004), (15, 74986), (16, 74968), (17, 74947), (19, 74923), (20, 74911), (21, 74899), (23, 74809),

Gene: Murphy_138 Start: 73318, Stop: 72965, Start Num: 9

Candidate Starts for Murphy_138:

(Start: 9 @73318 has 28 MA's), (Start: 10 @73312 has 39 MA's), (11, 73249), (13, 73237), (14, 73201), (15, 73183), (16, 73165), (17, 73144), (19, 73120), (20, 73108), (21, 73096), (23, 73006),

Gene: Naiad_62 Start: 42427, Stop: 42074, Start Num: 10

Candidate Starts for Naiad_62:

(2, 42574), (3, 42568), (Start: 10 @42427 has 39 MA's), (12, 42361), (14, 42316), (17, 42256), (18, 42241), (21, 42208), (24, 42100),

Gene: Nancinator_62 Start: 41744, Stop: 41391, Start Num: 10

Candidate Starts for Nancinator_62:

(2, 41891), (3, 41885), (Start: 10 @41744 has 39 MA's), (12, 41678), (14, 41633), (17, 41573), (18, 41558), (21, 41525), (24, 41417),

Gene: Natosaleda_62 Start: 42345, Stop: 41992, Start Num: 10

Candidate Starts for Natosaleda_62:

(2, 42492), (3, 42486), (Start: 10 @42345 has 39 MA's), (12, 42279), (14, 42234), (17, 42174), (18, 42159), (21, 42126), (24, 42018),

Gene: Nimrod_138 Start: 74082, Stop: 73729, Start Num: 9

Candidate Starts for Nimrod_138:

(Start: 9 @74082 has 28 MA's), (Start: 10 @74076 has 39 MA's), (11, 74013), (13, 74001), (14, 73965), (15, 73947), (16, 73929), (17, 73908), (19, 73884), (20, 73872), (21, 73860), (23, 73770),

Gene: OrionPax_135 Start: 72549, Stop: 72196, Start Num: 9

Candidate Starts for OrionPax_135:

(Start: 9 @72549 has 28 MA's), (Start: 10 @72543 has 39 MA's), (11, 72480), (13, 72468), (14, 72432), (15, 72414), (16, 72396), (17, 72375), (19, 72351), (20, 72339), (21, 72327), (23, 72237),

Gene: Pat3_139 Start: 73328, Stop: 72981, Start Num: 10

Candidate Starts for Pat3_139:

(Start: 9 @73334 has 28 MA's), (Start: 10 @73328 has 39 MA's), (11, 73265), (13, 73253), (14, 73217), (15, 73199), (16, 73181), (17, 73160), (19, 73136), (20, 73124), (21, 73112), (23, 73022),

Gene: Petra64142_140 Start: 73781, Stop: 73428, Start Num: 9

Candidate Starts for Petra64142_140:

(Start: 9 @73781 has 28 MA's), (Start: 10 @73775 has 39 MA's), (11, 73712), (13, 73700), (14, 73664), (15, 73646), (16, 73628), (17, 73607), (19, 73583), (20, 73571), (21, 73559), (23, 73469),

Gene: PhailMary_60 Start: 41422, Stop: 41069, Start Num: 10

Candidate Starts for PhailMary_60:

(2, 41569), (3, 41563), (Start: 10 @41422 has 39 MA's), (12, 41356), (14, 41311), (17, 41251), (18, 41236), (21, 41203), (24, 41095),

Gene: PhatBacter_142 Start: 73855, Stop: 73502, Start Num: 9

Candidate Starts for PhatBacter_142:

(Start: 9 @73855 has 28 MA's), (Start: 10 @73849 has 39 MA's), (11, 73786), (13, 73774), (14, 73738), (15, 73720), (16, 73702), (17, 73681), (19, 73657), (20, 73645), (21, 73633), (23, 73543),

Gene: Phrankenstein_63 Start: 42351, Stop: 41998, Start Num: 10

Candidate Starts for Phrankenstein_63:

(2, 42498), (3, 42492), (Start: 10 @42351 has 39 MA's), (12, 42285), (14, 42240), (17, 42180), (18, 42165), (21, 42132), (24, 42024),

Gene: Phrux_135 Start: 72336, Stop: 71983, Start Num: 9

Candidate Starts for Phrux_135:

(Start: 9 @72336 has 28 MA's), (Start: 10 @72330 has 39 MA's), (11, 72267), (13, 72255), (14, 72219), (15, 72201), (16, 72183), (17, 72162), (19, 72138), (20, 72126), (21, 72114), (23, 72024),

Gene: Porky_141 Start: 73937, Stop: 73584, Start Num: 9

Candidate Starts for Porky_141:

(Start: 9 @73937 has 28 MA's), (Start: 10 @73931 has 39 MA's), (11, 73868), (13, 73856), (14, 73820), (15, 73802), (16, 73784), (17, 73763), (19, 73739), (20, 73727), (21, 73715), (23, 73625),

Gene: RER2_57 Start: 39277, Stop: 38924, Start Num: 10

Candidate Starts for RER2_57:

(2, 39424), (3, 39418), (Start: 10 @39277 has 39 MA's), (12, 39211), (14, 39166), (17, 39106), (18, 39091), (21, 39058), (24, 38950),

Gene: Rasputin_63 Start: 42375, Stop: 42022, Start Num: 10

Candidate Starts for Rasputin_63:

(2, 42522), (3, 42516), (Start: 10 @42375 has 39 MA's), (12, 42309), (14, 42264), (17, 42204), (18, 42189), (21, 42156), (24, 42048),

Gene: RexFury_62 Start: 42435, Stop: 42082, Start Num: 10

Candidate Starts for RexFury_62:

(2, 42582), (3, 42576), (Start: 10 @42435 has 39 MA's), (12, 42369), (14, 42324), (17, 42264), (18, 42249), (21, 42216), (24, 42108),

Gene: Rhodalya_63 Start: 42405, Stop: 42052, Start Num: 10

Candidate Starts for Rhodalya_63:

(2, 42552), (3, 42546), (Start: 10 @42405 has 39 MA's), (12, 42339), (14, 42294), (17, 42234), (18, 42219), (21, 42186), (24, 42078),

Gene: Rimmer_136 Start: 73071, Stop: 72718, Start Num: 9

Candidate Starts for Rimmer_136:

(Start: 9 @73071 has 28 MA's), (Start: 10 @73065 has 39 MA's), (11, 73002), (13, 72990), (14, 72954), (15, 72936), (16, 72918), (17, 72897), (19, 72873), (20, 72861), (21, 72849), (23, 72759),

Gene: RiverMonster_138 Start: 73231, Stop: 72878, Start Num: 9

Candidate Starts for RiverMonster_138:

(Start: 9 @73231 has 28 MA's), (Start: 10 @73225 has 39 MA's), (11, 73162), (13, 73150), (14, 73114), (15, 73096), (16, 73078), (17, 73057), (19, 73033), (20, 73021), (21, 73009), (23, 72919),

Gene: Shuman_64 Start: 42356, Stop: 42003, Start Num: 10

Candidate Starts for Shuman_64:

(2, 42503), (3, 42497), (Start: 10 @42356 has 39 MA's), (12, 42290), (14, 42245), (17, 42185), (18, 42170), (21, 42137), (24, 42029),

Gene: Simpliphy_138 Start: 72796, Stop: 72449, Start Num: 10

Candidate Starts for Simpliphy_138:

(Start: 9 @72802 has 28 MA's), (Start: 10 @72796 has 39 MA's), (11, 72733), (13, 72721), (14, 72685), (15, 72667), (16, 72649), (17, 72628), (19, 72604), (20, 72592), (21, 72580), (23, 72490),

Gene: StCroix_62 Start: 42427, Stop: 42074, Start Num: 10

Candidate Starts for StCroix_62:

(2, 42574), (3, 42568), (Start: 10 @42427 has 39 MA's), (12, 42361), (14, 42316), (17, 42256), (18, 42241), (21, 42208), (24, 42100),

Gene: Swann_63 Start: 42403, Stop: 42050, Start Num: 10

Candidate Starts for Swann_63:

(2, 42550), (3, 42544), (Start: 10 @42403 has 39 MA's), (12, 42337), (14, 42292), (17, 42232), (18, 42217), (21, 42184), (24, 42076),

Gene: TWAMP_63 Start: 42405, Stop: 42052, Start Num: 10

Candidate Starts for TWAMP_63:

(2, 42552), (3, 42546), (Start: 10 @42405 has 39 MA's), (12, 42339), (14, 42294), (17, 42234), (18, 42219), (21, 42186), (24, 42078),

Gene: Thresher_141 Start: 74115, Stop: 73762, Start Num: 9

Candidate Starts for Thresher_141:

(Start: 9 @74115 has 28 MA's), (Start: 10 @74109 has 39 MA's), (11, 74046), (13, 74034), (14, 73998), (15, 73980), (16, 73962), (17, 73941), (19, 73917), (20, 73905), (21, 73893), (23, 73803),

Gene: UhSalsa_63 Start: 42346, Stop: 41993, Start Num: 10

Candidate Starts for UhSalsa_63:

(2, 42493), (3, 42487), (Start: 10 @42346 has 39 MA's), (12, 42280), (14, 42235), (17, 42175), (18, 42160), (21, 42127), (24, 42019),

Gene: YassJohnny_135 Start: 71765, Stop: 71412, Start Num: 9

Candidate Starts for YassJohnny_135:

(Start: 9 @71765 has 28 MA's), (Start: 10 @71759 has 39 MA's), (11, 71696), (13, 71684), (14, 71648), (15, 71630), (16, 71612), (17, 71591), (19, 71567), (20, 71555), (21, 71543), (23, 71453),

Gene: Yogi_64 Start: 42756, Stop: 42403, Start Num: 10

Candidate Starts for Yogi_64:

(2, 42903), (3, 42897), (5, 42873), (Start: 10 @42756 has 39 MA's), (12, 42690), (14, 42645), (17, 42585), (18, 42570), (21, 42537), (22, 42522), (24, 42429),

Gene: Yoncess_62 Start: 42163, Stop: 41810, Start Num: 10

Candidate Starts for Yoncess_62:

(2, 42310), (3, 42304), (Start: 10 @42163 has 39 MA's), (12, 42097), (14, 42052), (17, 41992), (18, 41977), (21, 41944), (24, 41836),

Gene: xkcd_143 Start: 74553, Stop: 74200, Start Num: 9

Candidate Starts for xkcd_143:

(Start: 9 @74553 has 28 MA's), (Start: 10 @74547 has 39 MA's), (11, 74484), (13, 74472), (14, 74436), (15, 74418), (16, 74400), (17, 74379), (19, 74355), (20, 74343), (21, 74331), (23, 74241),