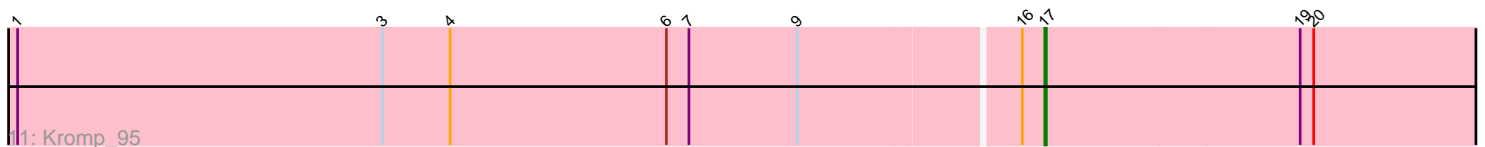
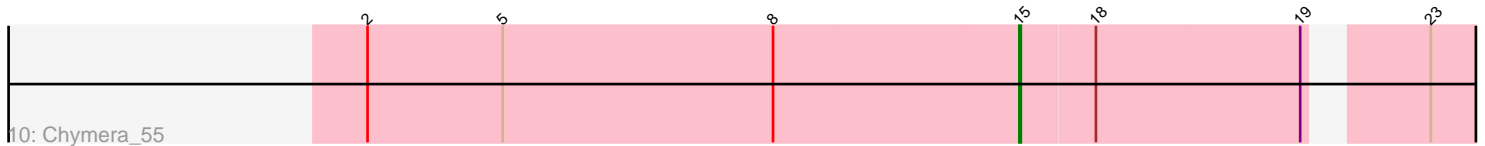
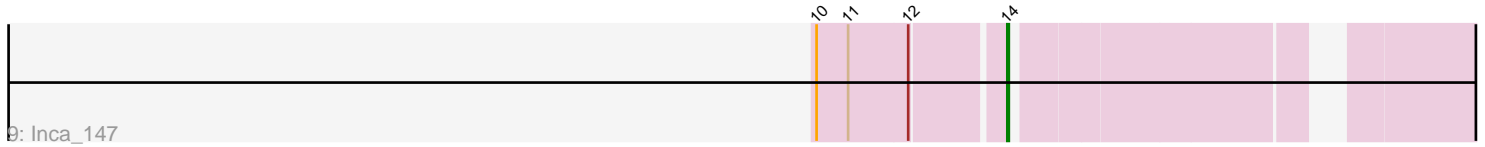
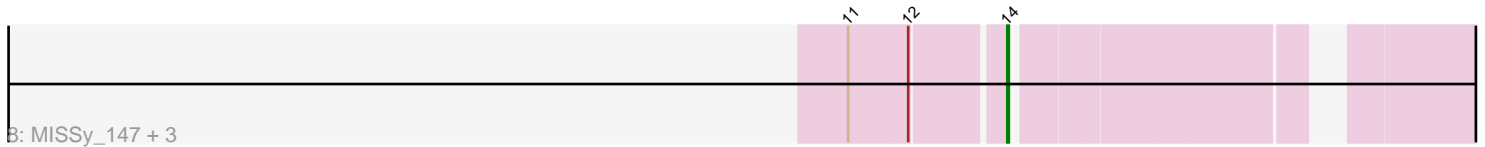
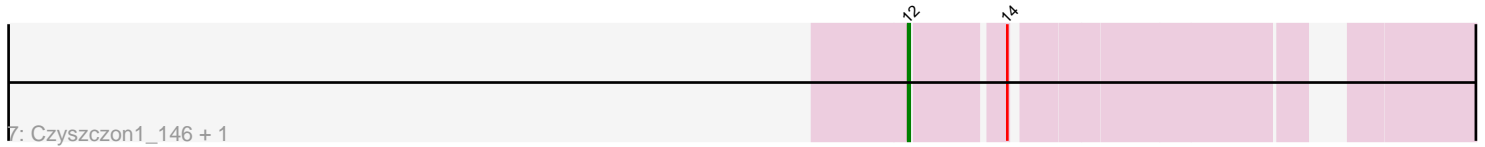
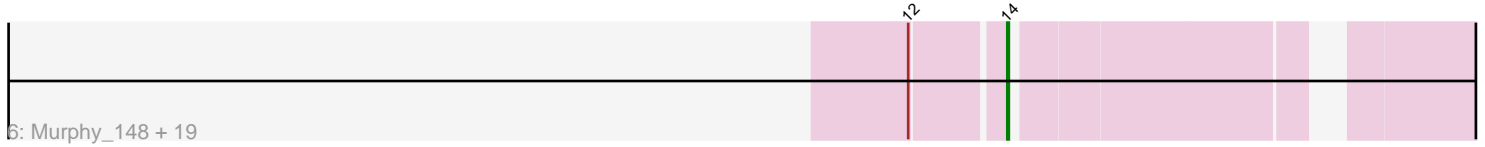
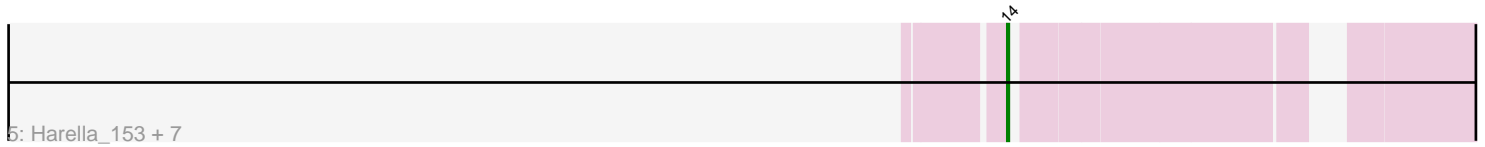
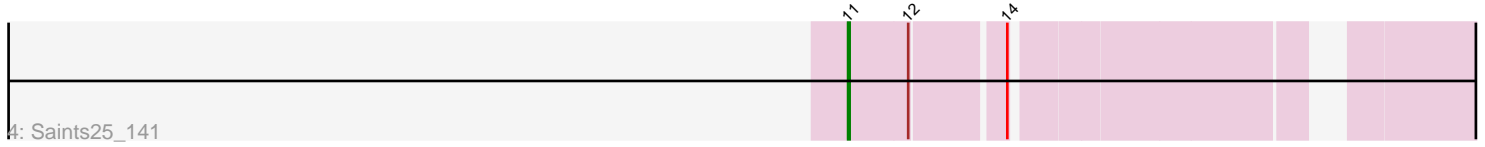
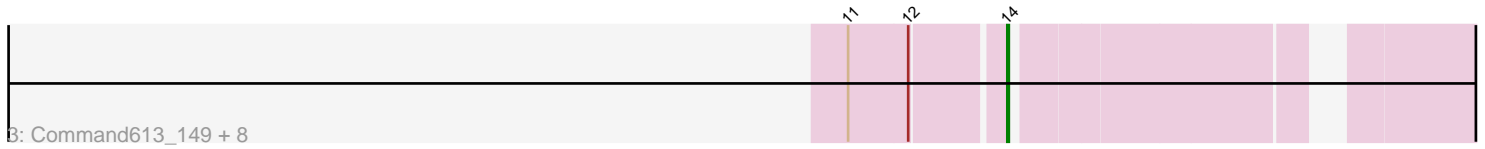
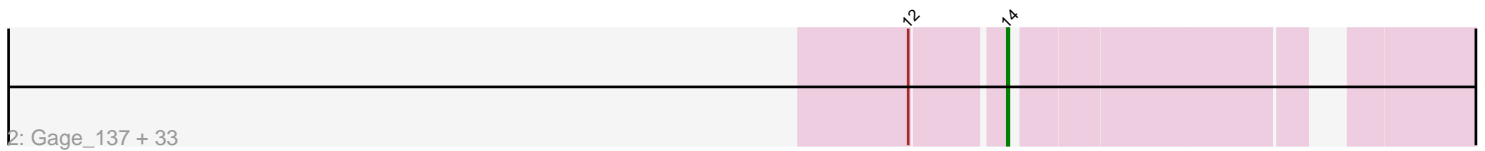
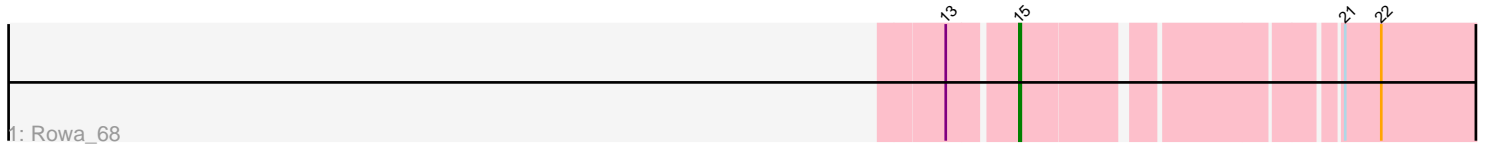


Pham 157798



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 157798 Report

This analysis was run 04/13/24 on database version 558.

Pham number 157798 has 82 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Rowa_68
- Track 2 : Gage_137, Contagion_142, HufflyPuff_148, Bench_149, IHOP_151, Lilpickle_146, Adnama_150, Kanye_142, Willez_144, ABCat_145, Gemini_151, Sotrice96_151, BadStone_145, SophKB_144, Cactus_154, Argent26_150, Maxxinista_148, GoldenSpark_150, Wiggin_149, Rimmer_145, Elite2014_146, Dumbo_149, Goldilocks_152, Easy2Say_148, Youngblood_150, ChosenOne_147, Holt_152, RiverMonster_146, StolenFromERC_148, Tuco_150, Icee_146, Kimchi_151, Quallification_146, Phaux_147
- Track 3 : Command613_149, FireRed_150, Manda_149, BaboJay_146, Nala_149, Highbury_141, Ukulele_143, PhatBacter_150, Thresher_148
- Track 4 : Saints25_141
- Track 5 : Harella_153, Traaww1_144, Flypotenuse_142, Pat3_147, Asriel_144, Hoonter_148, Glexan_150, Barbarian_146
- Track 6 : Murphy_148, JeTaime_144, Stark_143, Emmina_148, TBrady12_151, DoctorDiddles_145, Nimrod_145, ShamWow_145, Phrux_143, Myrale_146, OrionPax_144, Miniwave_140, ShereKhan_145, Cookies_148, Phaja_151, MadamMonkfish_148, NoSleep_145, Paperbeatsrock_144, Tarkin_144, Buck_148
- Track 7 : Czyszczonek_146, Marshmallow_149
- Track 8 : MISSy_147, Hopey_144, MPhalcon_148, Murica_149
- Track 9 : Inca_147
- Track 10 : Chymera_55
- Track 11 : Kromp_95

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

The start number called the most often in the published annotations is 14, it was called in 76 of the 82 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ABCat_145, Adnama_150, Argent26_150, Asriel_144, BaboJay_146, BadStone_145, Barbarian_146, Bench_149, Buck_148, Cactus_154, ChosenOne_147, Command613_149, Contagion_142, Cookies_148, DoctorDiddles_145, Dumbo_149, Easy2Say_148, Elite2014_146, Emmina_148, FireRed_150, Flypotenuse_142, Gage_137, Gemini_151, Glexan_150,

GoldenSpark_150, Goldilocks_152, Harella_153, Highbury_141, Holt_152, Hoonter_148, Hopey_144, HufflyPuff_148, IHOP_151, Icee_146, Inca_147, JeTaime_144, Kanye_142, Kimchi_151, Lilpickle_146, MISSy_147, MPhalcon_148, MadamMonkfish_148, Manda_149, Maxxinista_148, Miniwave_140, Murica_149, Murphy_148, Myrale_146, Nala_149, Nimrod_145, NoSleep_145, OrionPax_144, Paperbeatsrock_144, Pat3_147, Phaja_151, PhatBacter_150, Phaux_147, Phrux_143, Quallification_146, Rimmer_145, RiverMonster_146, ShamWow_145, ShereKhan_145, SophKB_144, Sotrice96_151, Stark_143, StolenFromERC_148, TBrady12_151, Tarkin_144, Thresher_148, Traaww1_144, Tuco_150, Ukulele_143, Wiggjin_149, Willez_144, Youngblood_150,

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

- Czyszczone1_146, Marshmallow_149, Saints25_141,

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

- Chymera_55, Kromp_95, Rowa_68,

Summary by start number:

Start 11:

- Found in 15 of 82 (18.3%) of genes in pham
- Manual Annotations of this start: 1 of 82
- Called 6.7% of time when present
- Phage (with cluster) where this start called: Saints25_141 (E),

Start 12:

- Found in 71 of 82 (86.6%) of genes in pham
- Manual Annotations of this start: 2 of 82
- Called 2.8% of time when present
- Phage (with cluster) where this start called: Czyszczone1_146 (E), Marshmallow_149 (E),

Start 14:

- Found in 79 of 82 (96.3%) of genes in pham
- Manual Annotations of this start: 76 of 82
- Called 96.2% of time when present
- Phage (with cluster) where this start called: ABCat_145 (E), Adnama_150 (E), Argent26_150 (E), Asriel_144 (E), BaboJay_146 (E), BadStone_145 (E), Barbarian_146 (E), Bench_149 (E), Buck_148 (E), Cactus_154 (E), ChosenOne_147 (E), Command613_149 (E), Contagion_142 (E), Cookies_148 (E), DoctorDiddles_145 (E), Dumbo_149 (E), Easy2Say_148 (E), Elite2014_146 (E), Emmina_148 (E), FireRed_150 (E), Flypotenuse_142 (E), Gage_137 (E), Gemini_151 (E), Glexan_150 (E), GoldenSpark_150 (E), Goldilocks_152 (E), Harella_153 (E), Highbury_141 (E), Holt_152 (E), Hoonter_148 (E), Hopey_144 (E), HufflyPuff_148 (E), IHOP_151 (E), Icee_146 (E), Inca_147 (E), JeTaime_144 (E), Kanye_142 (E), Kimchi_151 (E), Lilpickle_146 (E), MISSy_147 (E), MPhalcon_148 (E), MadamMonkfish_148 (E), Manda_149 (E), Maxxinista_148 (E), Miniwave_140 (E), Murica_149 (E), Murphy_148 (E), Myrale_146 (E), Nala_149 (E), Nimrod_145 (E), NoSleep_145 (E), OrionPax_144 (E), Paperbeatsrock_144 (E), Pat3_147 (E), Phaja_151 (E), PhatBacter_150 (E), Phaux_147 (E), Phrux_143 (E), Quallification_146 (E), Rimmer_145 (E), RiverMonster_146 (E), ShamWow_145 (E), ShereKhan_145 (E), SophKB_144 (E), Sotrice96_151 (E), Stark_143 (E), StolenFromERC_148 (E), TBrady12_151 (E), Tarkin_144 (E), Thresher_148 (E),

Traaww1_144 (E), Tuco_150 (E), Ukulele_143 (E), Wiggin_149 (E), Willez_144 (E), Youngblood_150 (E),

Start 15:

- Found in 2 of 82 (2.4%) of genes in pham
- Manual Annotations of this start: 2 of 82
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Chymera_55 (singleton), Rowa_68 (BL),

Start 17:

- Found in 1 of 82 (1.2%) of genes in pham
- Manual Annotations of this start: 1 of 82
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kromp_95 (singleton),

Summary by clusters:

There are 3 clusters represented in this pham: BL, singleton, E,

Info for manual annotations of cluster BL:

- Start number 15 was manually annotated 1 time for cluster BL.

Info for manual annotations of cluster E:

- Start number 11 was manually annotated 1 time for cluster E.
- Start number 12 was manually annotated 2 times for cluster E.
- Start number 14 was manually annotated 76 times for cluster E.

Gene Information:

Gene: ABCat_145 Start: 75550, Stop: 75897, Start Num: 14

Candidate Starts for ABCat_145:

(Start: 12 @75493 has 2 MA's), (Start: 14 @75550 has 76 MA's),

Gene: Adnama_150 Start: 74627, Stop: 74974, Start Num: 14

Candidate Starts for Adnama_150:

(Start: 12 @74570 has 2 MA's), (Start: 14 @74627 has 76 MA's),

Gene: Argent26_150 Start: 74551, Stop: 74898, Start Num: 14

Candidate Starts for Argent26_150:

(Start: 12 @74494 has 2 MA's), (Start: 14 @74551 has 76 MA's),

Gene: Asriel_144 Start: 74013, Stop: 74360, Start Num: 14

Candidate Starts for Asriel_144:

(Start: 14 @74013 has 76 MA's),

Gene: BaboJay_146 Start: 75796, Stop: 76143, Start Num: 14

Candidate Starts for BaboJay_146:

(Start: 11 @75700 has 1 MA's), (Start: 12 @75739 has 2 MA's), (Start: 14 @75796 has 76 MA's),

Gene: BadStone_145 Start: 75098, Stop: 75445, Start Num: 14

Candidate Starts for BadStone_145:

(Start: 12 @75041 has 2 MA's), (Start: 14 @75098 has 76 MA's),

Gene: Barbarian_146 Start: 74013, Stop: 74360, Start Num: 14

Candidate Starts for Barbarian_146:

(Start: 14 @74013 has 76 MA's),

Gene: Bench_149 Start: 75511, Stop: 75858, Start Num: 14

Candidate Starts for Bench_149:

(Start: 12 @75454 has 2 MA's), (Start: 14 @75511 has 76 MA's),

Gene: Buck_148 Start: 76107, Stop: 76454, Start Num: 14

Candidate Starts for Buck_148:

(Start: 12 @76050 has 2 MA's), (Start: 14 @76107 has 76 MA's),

Gene: Cactus_154 Start: 75022, Stop: 75369, Start Num: 14

Candidate Starts for Cactus_154:

(Start: 12 @74965 has 2 MA's), (Start: 14 @75022 has 76 MA's),

Gene: ChosenOne_147 Start: 74389, Stop: 74736, Start Num: 14

Candidate Starts for ChosenOne_147:

(Start: 12 @74332 has 2 MA's), (Start: 14 @74389 has 76 MA's),

Gene: Chymera_55 Start: 34305, Stop: 34673, Start Num: 15

Candidate Starts for Chymera_55:

(2, 33873), (5, 33963), (8, 34143), (Start: 15 @34305 has 2 MA's), (18, 34353), (19, 34488), (23, 34548),

Gene: Command613_149 Start: 75444, Stop: 75791, Start Num: 14

Candidate Starts for Command613_149:

(Start: 11 @75348 has 1 MA's), (Start: 12 @75387 has 2 MA's), (Start: 14 @75444 has 76 MA's),

Gene: Contagion_142 Start: 73952, Stop: 74299, Start Num: 14

Candidate Starts for Contagion_142:

(Start: 12 @73895 has 2 MA's), (Start: 14 @73952 has 76 MA's),

Gene: Cookies_148 Start: 75759, Stop: 76106, Start Num: 14

Candidate Starts for Cookies_148:

(Start: 12 @75702 has 2 MA's), (Start: 14 @75759 has 76 MA's),

Gene: Czyszczone1_146 Start: 74437, Stop: 74841, Start Num: 12

Candidate Starts for Czyszczone1_146:

(Start: 12 @74437 has 2 MA's), (Start: 14 @74494 has 76 MA's),

Gene: DoctorDiddles_145 Start: 74489, Stop: 74836, Start Num: 14

Candidate Starts for DoctorDiddles_145:

(Start: 12 @74432 has 2 MA's), (Start: 14 @74489 has 76 MA's),

Gene: Dumbo_149 Start: 75155, Stop: 75502, Start Num: 14

Candidate Starts for Dumbo_149:

(Start: 12 @75098 has 2 MA's), (Start: 14 @75155 has 76 MA's),

Gene: Easy2Say_148 Start: 75017, Stop: 75364, Start Num: 14

Candidate Starts for Easy2Say_148:

(Start: 12 @74960 has 2 MA's), (Start: 14 @75017 has 76 MA's),

Gene: Elite2014_146 Start: 74388, Stop: 74735, Start Num: 14

Candidate Starts for Elite2014_146:

(Start: 12 @74331 has 2 MA's), (Start: 14 @74388 has 76 MA's),

Gene: Emmina_148 Start: 74714, Stop: 75061, Start Num: 14

Candidate Starts for Emmina_148:

(Start: 12 @74657 has 2 MA's), (Start: 14 @74714 has 76 MA's),

Gene: FireRed_150 Start: 75636, Stop: 75983, Start Num: 14

Candidate Starts for FireRed_150:

(Start: 11 @75540 has 1 MA's), (Start: 12 @75579 has 2 MA's), (Start: 14 @75636 has 76 MA's),

Gene: Flypotenuse_142 Start: 74667, Stop: 75014, Start Num: 14

Candidate Starts for Flypotenuse_142:

(Start: 14 @74667 has 76 MA's),

Gene: Gage_137 Start: 71069, Stop: 71416, Start Num: 14

Candidate Starts for Gage_137:

(Start: 12 @71012 has 2 MA's), (Start: 14 @71069 has 76 MA's),

Gene: Gemini_151 Start: 75068, Stop: 75415, Start Num: 14

Candidate Starts for Gemini_151:

(Start: 12 @75011 has 2 MA's), (Start: 14 @75068 has 76 MA's),

Gene: Glexan_150 Start: 75917, Stop: 76264, Start Num: 14

Candidate Starts for Glexan_150:

(Start: 14 @75917 has 76 MA's),

Gene: GoldenSpark_150 Start: 74551, Stop: 74898, Start Num: 14

Candidate Starts for GoldenSpark_150:

(Start: 12 @74494 has 2 MA's), (Start: 14 @74551 has 76 MA's),

Gene: Goldilocks_152 Start: 75147, Stop: 75494, Start Num: 14

Candidate Starts for Goldilocks_152:

(Start: 12 @75090 has 2 MA's), (Start: 14 @75147 has 76 MA's),

Gene: Harella_153 Start: 76278, Stop: 76625, Start Num: 14

Candidate Starts for Harella_153:

(Start: 14 @76278 has 76 MA's),

Gene: Highbury_141 Start: 72834, Stop: 73181, Start Num: 14

Candidate Starts for Highbury_141:

(Start: 11 @72738 has 1 MA's), (Start: 12 @72777 has 2 MA's), (Start: 14 @72834 has 76 MA's),

Gene: Holt_152 Start: 75334, Stop: 75681, Start Num: 14

Candidate Starts for Holt_152:

(Start: 12 @75277 has 2 MA's), (Start: 14 @75334 has 76 MA's),

Gene: Hoonter_148 Start: 74686, Stop: 75033, Start Num: 14

Candidate Starts for Hoonter_148:

(Start: 14 @74686 has 76 MA's),

Gene: Hopey_144 Start: 75005, Stop: 75352, Start Num: 14
Candidate Starts for Hopey_144:
(Start: 11 @74909 has 1 MA's), (Start: 12 @74948 has 2 MA's), (Start: 14 @75005 has 76 MA's),

Gene: HufflyPuff_148 Start: 75742, Stop: 76089, Start Num: 14
Candidate Starts for HufflyPuff_148:
(Start: 12 @75685 has 2 MA's), (Start: 14 @75742 has 76 MA's),

Gene: IHOP_151 Start: 75087, Stop: 75434, Start Num: 14
Candidate Starts for IHOP_151:
(Start: 12 @75030 has 2 MA's), (Start: 14 @75087 has 76 MA's),

Gene: Icee_146 Start: 73588, Stop: 73935, Start Num: 14
Candidate Starts for Icee_146:
(Start: 12 @73531 has 2 MA's), (Start: 14 @73588 has 76 MA's),

Gene: Inca_147 Start: 73489, Stop: 73836, Start Num: 14
Candidate Starts for Inca_147:
(10, 73372), (Start: 11 @73393 has 1 MA's), (Start: 12 @73432 has 2 MA's), (Start: 14 @73489 has 76 MA's),

Gene: JeTaime_144 Start: 74518, Stop: 74865, Start Num: 14
Candidate Starts for JeTaime_144:
(Start: 12 @74461 has 2 MA's), (Start: 14 @74518 has 76 MA's),

Gene: Kanye_142 Start: 74872, Stop: 75219, Start Num: 14
Candidate Starts for Kanye_142:
(Start: 12 @74815 has 2 MA's), (Start: 14 @74872 has 76 MA's),

Gene: Kimchi_151 Start: 75248, Stop: 75595, Start Num: 14
Candidate Starts for Kimchi_151:
(Start: 12 @75191 has 2 MA's), (Start: 14 @75248 has 76 MA's),

Gene: Kromp_95 Start: 57607, Stop: 57981, Start Num: 17
Candidate Starts for Kromp_95:
(1, 56935), (3, 57178), (4, 57223), (6, 57367), (7, 57382), (9, 57454), (16, 57592), (Start: 17 @57607 has 1 MA's), (19, 57775), (20, 57784),

Gene: Lilpickle_146 Start: 74388, Stop: 74735, Start Num: 14
Candidate Starts for Lilpickle_146:
(Start: 12 @74331 has 2 MA's), (Start: 14 @74388 has 76 MA's),

Gene: MISSy_147 Start: 75227, Stop: 75574, Start Num: 14
Candidate Starts for MISSy_147:
(Start: 11 @75131 has 1 MA's), (Start: 12 @75170 has 2 MA's), (Start: 14 @75227 has 76 MA's),

Gene: MPhalcon_148 Start: 75024, Stop: 75371, Start Num: 14
Candidate Starts for MPhalcon_148:
(Start: 11 @74928 has 1 MA's), (Start: 12 @74967 has 2 MA's), (Start: 14 @75024 has 76 MA's),

Gene: MadamMonkfish_148 Start: 74973, Stop: 75320, Start Num: 14
Candidate Starts for MadamMonkfish_148:

(Start: 12 @74916 has 2 MA's), (Start: 14 @74973 has 76 MA's),

Gene: Manda_149 Start: 75442, Stop: 75789, Start Num: 14

Candidate Starts for Manda_149:

(Start: 11 @75346 has 1 MA's), (Start: 12 @75385 has 2 MA's), (Start: 14 @75442 has 76 MA's),

Gene: Marshmallow_149 Start: 76102, Stop: 76506, Start Num: 12

Candidate Starts for Marshmallow_149:

(Start: 12 @76102 has 2 MA's), (Start: 14 @76159 has 76 MA's),

Gene: Maxxinista_148 Start: 74634, Stop: 74981, Start Num: 14

Candidate Starts for Maxxinista_148:

(Start: 12 @74577 has 2 MA's), (Start: 14 @74634 has 76 MA's),

Gene: Miniwave_140 Start: 74380, Stop: 74727, Start Num: 14

Candidate Starts for Miniwave_140:

(Start: 12 @74323 has 2 MA's), (Start: 14 @74380 has 76 MA's),

Gene: Murica_149 Start: 76472, Stop: 76819, Start Num: 14

Candidate Starts for Murica_149:

(Start: 11 @76376 has 1 MA's), (Start: 12 @76415 has 2 MA's), (Start: 14 @76472 has 76 MA's),

Gene: Murphy_148 Start: 75598, Stop: 75945, Start Num: 14

Candidate Starts for Murphy_148:

(Start: 12 @75541 has 2 MA's), (Start: 14 @75598 has 76 MA's),

Gene: Myrale_146 Start: 75838, Stop: 76185, Start Num: 14

Candidate Starts for Myrale_146:

(Start: 12 @75781 has 2 MA's), (Start: 14 @75838 has 76 MA's),

Gene: Nala_149 Start: 75313, Stop: 75660, Start Num: 14

Candidate Starts for Nala_149:

(Start: 11 @75217 has 1 MA's), (Start: 12 @75256 has 2 MA's), (Start: 14 @75313 has 76 MA's),

Gene: Nimrod_145 Start: 75854, Stop: 76201, Start Num: 14

Candidate Starts for Nimrod_145:

(Start: 12 @75797 has 2 MA's), (Start: 14 @75854 has 76 MA's),

Gene: NoSleep_145 Start: 74074, Stop: 74421, Start Num: 14

Candidate Starts for NoSleep_145:

(Start: 12 @74017 has 2 MA's), (Start: 14 @74074 has 76 MA's),

Gene: OrionPax_144 Start: 74532, Stop: 74879, Start Num: 14

Candidate Starts for OrionPax_144:

(Start: 12 @74475 has 2 MA's), (Start: 14 @74532 has 76 MA's),

Gene: Paperbeatsrock_144 Start: 75058, Stop: 75405, Start Num: 14

Candidate Starts for Paperbeatsrock_144:

(Start: 12 @75001 has 2 MA's), (Start: 14 @75058 has 76 MA's),

Gene: Pat3_147 Start: 75094, Stop: 75441, Start Num: 14

Candidate Starts for Pat3_147:

(Start: 14 @75094 has 76 MA's),

Gene: Phaja_151 Start: 75104, Stop: 75451, Start Num: 14

Candidate Starts for Phaja_151:

(Start: 12 @75047 has 2 MA's), (Start: 14 @75104 has 76 MA's),

Gene: PhatBacter_150 Start: 75636, Stop: 75983, Start Num: 14

Candidate Starts for PhatBacter_150:

(Start: 11 @75540 has 1 MA's), (Start: 12 @75579 has 2 MA's), (Start: 14 @75636 has 76 MA's),

Gene: Phaux_147 Start: 75898, Stop: 76245, Start Num: 14

Candidate Starts for Phaux_147:

(Start: 12 @75841 has 2 MA's), (Start: 14 @75898 has 76 MA's),

Gene: Phrux_143 Start: 74130, Stop: 74477, Start Num: 14

Candidate Starts for Phrux_143:

(Start: 12 @74073 has 2 MA's), (Start: 14 @74130 has 76 MA's),

Gene: Quallification_146 Start: 75327, Stop: 75674, Start Num: 14

Candidate Starts for Quallification_146:

(Start: 12 @75270 has 2 MA's), (Start: 14 @75327 has 76 MA's),

Gene: Rimmer_145 Start: 75079, Stop: 75426, Start Num: 14

Candidate Starts for Rimmer_145:

(Start: 12 @75022 has 2 MA's), (Start: 14 @75079 has 76 MA's),

Gene: RiverMonster_146 Start: 74984, Stop: 75331, Start Num: 14

Candidate Starts for RiverMonster_146:

(Start: 12 @74927 has 2 MA's), (Start: 14 @74984 has 76 MA's),

Gene: Rowa_68 Start: 42116, Stop: 42472, Start Num: 15

Candidate Starts for Rowa_68:

(13, 42074), (Start: 15 @42116 has 2 MA's), (21, 42302), (22, 42326),

Gene: Saints25_141 Start: 72738, Stop: 73181, Start Num: 11

Candidate Starts for Saints25_141:

(Start: 11 @72738 has 1 MA's), (Start: 12 @72777 has 2 MA's), (Start: 14 @72834 has 76 MA's),

Gene: ShamWow_145 Start: 75352, Stop: 75699, Start Num: 14

Candidate Starts for ShamWow_145:

(Start: 12 @75295 has 2 MA's), (Start: 14 @75352 has 76 MA's),

Gene: ShereKhan_145 Start: 75552, Stop: 75899, Start Num: 14

Candidate Starts for ShereKhan_145:

(Start: 12 @75495 has 2 MA's), (Start: 14 @75552 has 76 MA's),

Gene: SophKB_144 Start: 75004, Stop: 75351, Start Num: 14

Candidate Starts for SophKB_144:

(Start: 12 @74947 has 2 MA's), (Start: 14 @75004 has 76 MA's),

Gene: Sotrice96_151 Start: 75718, Stop: 76065, Start Num: 14

Candidate Starts for Sotrice96_151:

(Start: 12 @75661 has 2 MA's), (Start: 14 @75718 has 76 MA's),

Gene: Stark_143 Start: 74150, Stop: 74497, Start Num: 14

Candidate Starts for Stark_143:

(Start: 12 @74093 has 2 MA's), (Start: 14 @74150 has 76 MA's),

Gene: StolenFromERC_148 Start: 74689, Stop: 75036, Start Num: 14

Candidate Starts for StolenFromERC_148:

(Start: 12 @74632 has 2 MA's), (Start: 14 @74689 has 76 MA's),

Gene: TBrady12_151 Start: 74778, Stop: 75125, Start Num: 14

Candidate Starts for TBrady12_151:

(Start: 12 @74721 has 2 MA's), (Start: 14 @74778 has 76 MA's),

Gene: Tarkin_144 Start: 75417, Stop: 75764, Start Num: 14

Candidate Starts for Tarkin_144:

(Start: 12 @75360 has 2 MA's), (Start: 14 @75417 has 76 MA's),

Gene: Thresher_148 Start: 75611, Stop: 75958, Start Num: 14

Candidate Starts for Thresher_148:

(Start: 11 @75515 has 1 MA's), (Start: 12 @75554 has 2 MA's), (Start: 14 @75611 has 76 MA's),

Gene: Traaww1_144 Start: 74842, Stop: 75189, Start Num: 14

Candidate Starts for Traaww1_144:

(Start: 14 @74842 has 76 MA's),

Gene: Tuco_150 Start: 76363, Stop: 76710, Start Num: 14

Candidate Starts for Tuco_150:

(Start: 12 @76306 has 2 MA's), (Start: 14 @76363 has 76 MA's),

Gene: Ukulele_143 Start: 74533, Stop: 74880, Start Num: 14

Candidate Starts for Ukulele_143:

(Start: 11 @74437 has 1 MA's), (Start: 12 @74476 has 2 MA's), (Start: 14 @74533 has 76 MA's),

Gene: Wiggin_149 Start: 74322, Stop: 74669, Start Num: 14

Candidate Starts for Wiggin_149:

(Start: 12 @74265 has 2 MA's), (Start: 14 @74322 has 76 MA's),

Gene: Willez_144 Start: 73995, Stop: 74342, Start Num: 14

Candidate Starts for Willez_144:

(Start: 12 @73938 has 2 MA's), (Start: 14 @73995 has 76 MA's),

Gene: Youngblood_150 Start: 75315, Stop: 75662, Start Num: 14

Candidate Starts for Youngblood_150:

(Start: 12 @75258 has 2 MA's), (Start: 14 @75315 has 76 MA's),