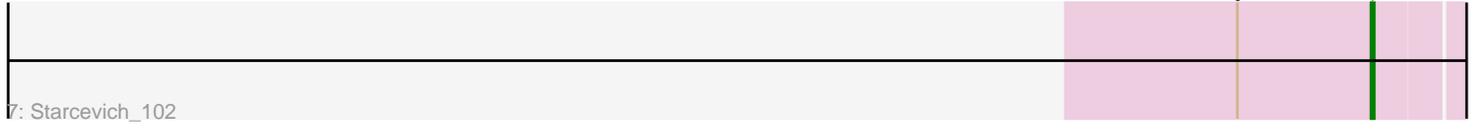
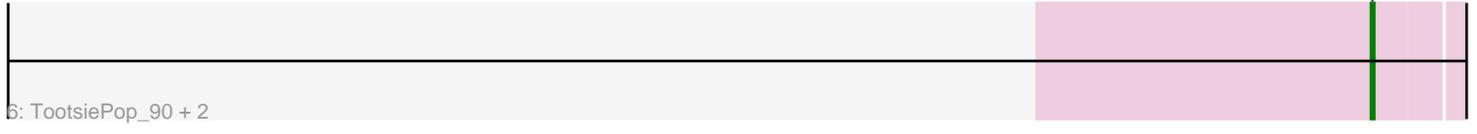
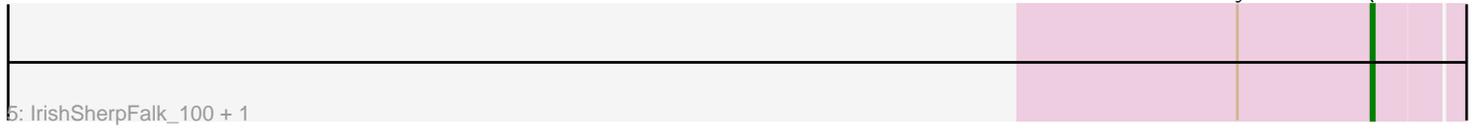
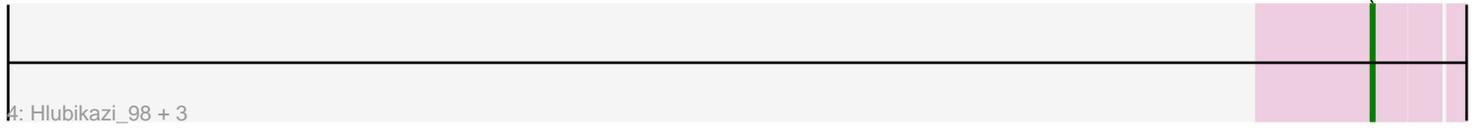
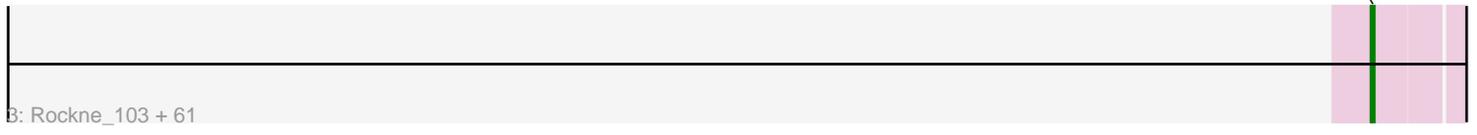


Pham 283701



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 283701 Report

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

Pham number 283701 has 88 members, 4 are drafts.

Phages represented in each track:

- Track 1 : LordVader\_96, Squirty\_99, MulchSalad\_102
- Track 2 : ArcusAngelus\_100, Galactic\_104, QuickMath\_101, Chevrolet\_104, MadMen\_105, Hades\_97, EleanorGeorge\_104, MinionDave\_98
- Track 3 : Rockne\_103, RitaG\_99, LilMoolah\_103, BuzzLyseyear\_107, Radiance\_98, BodEinwohner17\_110, Mattes\_101, Gorge\_99, CheesePuff\_105, Saal\_98, Madiba\_99, Moonbeam\_103, Donkeykong\_106, Empress\_100, Ogopogo\_104, Nivrat\_100, Dorothy\_101, Juice456\_99, Latretium\_103, Sassafras\_102, Inventum\_98, Krakatau\_93, Peridot\_103, Plumbus\_99, RedBird\_101, ByChance\_91, Alexphander\_101, FancyPants\_107, Doomphist\_105, DillTech15\_106, KingMidas\_100, ShiLan\_103, Yorick\_96, Nimbo\_92, Llij\_95, JoeyJr\_103, Leperchaun\_102, PHappiness\_100, BlueCrab\_103, Deb65\_93, DRBy19\_100, Spoonbill\_100, Jarcob\_103, Spartacus\_107, Totinger\_103, Poenanya\_104, Gandolph\_100, TDanisky\_108, Minnie\_95, Polka14\_104, OldBen\_97, GUmBie\_99, Pollywog\_102, Daenerys\_98, Drago\_99, PMC\_99, Geralt\_93, DaddyRickover\_102, Scottish\_100, Sparkdehlily\_107, Rialto\_105, Estave1\_108
- Track 4 : Hlubikazi\_98, Mandlovu\_98, Ramsey\_105, Strokeseat\_98
- Track 5 : IrishSherpFalk\_100, WillSterrel\_98
- Track 6 : TootsiePop\_90, Misha28\_90, Piper2020\_95
- Track 7 : StarceVich\_102
- Track 8 : Doughnut\_91
- Track 9 : Mufasa\_90, BoostSeason\_90
- Track 10 : TM4\_88
- Track 11 : ZoeJ\_88

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

The start number called the most often in the published annotations is 7, it was called in 84 of the 84 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alexphander\_101, ArcusAngelus\_100, BlueCrab\_103, BodEinwohner17\_110, BoostSeason\_90, BuzzLyseyear\_107, ByChance\_91, CheesePuff\_105, Chevrolet\_104, DRBy19\_100, DaddyRickover\_102, Daenerys\_98, Deb65\_93, DillTech15\_106, Donkeykong\_106, Doomphist\_105, Dorothy\_101, Doughnut\_91,

Drago\_99, EleanorGeorge\_104, Empress\_100, Estave1\_108, Fancypants\_107, GUmbie\_99, Galactic\_104, Gandolph\_100, Geralt\_93, Gorge\_99, Hades\_97, Hlubikazi\_98, Inventum\_98, IrishSherpFalk\_100, Jarcob\_103, JoeyJr\_103, Juice456\_99, KingMidas\_100, Krakatau\_93, Latretium\_103, Leperchaun\_102, LilMoolah\_103, Llij\_95, LordVader\_96, MadMen\_105, Madiba\_99, Mandlovu\_98, Mattes\_101, MinionDave\_98, Minnie\_95, Misha28\_90, Moonbeam\_103, Mufasa\_90, MulchSalad\_102, Nimbo\_92, Nivrat\_100, Ogopogo\_104, OldBen\_97, PHappiness\_100, PMC\_99, Peridot\_103, Piper2020\_95, Plumbus\_99, Poenanya\_104, Polka14\_104, Pollywog\_102, QuickMath\_101, Radiance\_98, Ramsey\_105, RedBird\_101, Rialto\_105, RitaG\_99, Rockne\_103, Saal\_98, Sassafras\_102, Scottish\_100, ShiLan\_103, Sparkdehlily\_107, Spartacus\_107, Spoonbill\_100, Squirty\_99, Starcevich\_102, Strokeseat\_98, TDanisky\_108, TM4\_88, TootsiePop\_90, Totinger\_103, WillSterrel\_98, Yorick\_96, ZoeJ\_88,

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

- 

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

- 

### Summary by start number:

Start 7:

- Found in 88 of 88 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 84 of 84
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alexphander\_101 (F1), ArcusAngelus\_100 (F1), BlueCrab\_103 (F1), BodEinwohner17\_110 (F1), BoostSeason\_90 (K2), BuzzLyseyear\_107 (F1), ByChance\_91 (F1), Cheesepuff\_105 (F1), Chevrolet\_104 (F1), DRBy19\_100 (F1), DaddyRickover\_102 (F1), Daenerys\_98 (F1), Deb65\_93 (F1), DillTech15\_106 (F1), Donkeykong\_106 (F1), Doomphist\_105 (F1), Dorothy\_101 (F1), Doughnut\_91 (K2), Drago\_99 (F1), EleanorGeorge\_104 (F1), Empress\_100 (F1), Estave1\_108 (F1), Fancypants\_107 (F1), GUmbie\_99 (F1), Galactic\_104 (F1), Gandolph\_100 (F1), Geralt\_93 (F1), Gorge\_99 (F1), Hades\_97 (F1), Hlubikazi\_98 (F1), Inventum\_98 (F1), IrishSherpFalk\_100 (F1), Jarcob\_103 (F1), JoeyJr\_103 (F1), Juice456\_99 (F1), KingMidas\_100 (F1), Krakatau\_93 (F1), Latretium\_103 (F1), Leperchaun\_102 (F1), LilMoolah\_103 (F1), Llij\_95 (F1), LordVader\_96 (F), MadMen\_105 (F1), Madiba\_99 (F1), Mandlovu\_98 (F1), Mattes\_101 (F1), MinionDave\_98 (F1), Minnie\_95 (F1), Misha28\_90 (F1), Moonbeam\_103 (F1), Mufasa\_90 (K2), MulchSalad\_102 (F7), Nimbo\_92 (F1), Nivrat\_100 (F1), Ogopogo\_104 (F1), OldBen\_97 (F1), PHappiness\_100 (F1), PMC\_99 (F1), Peridot\_103 (F1), Piper2020\_95 (F1), Plumbus\_99 (F1), Poenanya\_104 (F1), Polka14\_104 (F1), Pollywog\_102 (F1), QuickMath\_101 (F1), Radiance\_98 (F1), Ramsey\_105 (F1), RedBird\_101 (F1), Rialto\_105 (F1), RitaG\_99 (F1), Rockne\_103 (F1), Saal\_98 (F1), Sassafras\_102 (F1), Scottish\_100 (F1), ShiLan\_103 (F1), Sparkdehlily\_107 (F1), Spartacus\_107 (F1), Spoonbill\_100 (F1), Squirty\_99 (F3), Starcevich\_102 (F1), Strokeseat\_98 (F1), TDanisky\_108 (F1), TM4\_88 (K2), TootsiePop\_90 (F1), Totinger\_103 (F1), WillSterrel\_98 (F1), Yorick\_96 (F1), ZoeJ\_88 (K2),

### Summary by clusters:

There are 5 clusters represented in this pham: F1, F3, K2, F7, F,

Info for manual annotations of cluster F1:

- Start number 7 was manually annotated 78 times for cluster F1.

Info for manual annotations of cluster F3:

- Start number 7 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster K2:

- Start number 7 was manually annotated 5 times for cluster K2.

### ***Gene Information:***

Gene: Alexphander\_101 Start: 55198, Stop: 55359, Start Num: 7

Candidate Starts for Alexphander\_101:

(Start: 7 @55198 has 84 MA's),

Gene: ArcusAngelus\_100 Start: 55168, Stop: 55329, Start Num: 7

Candidate Starts for ArcusAngelus\_100:

(Start: 7 @55168 has 84 MA's),

Gene: BlueCrab\_103 Start: 55675, Stop: 55836, Start Num: 7

Candidate Starts for BlueCrab\_103:

(Start: 7 @55675 has 84 MA's),

Gene: BodEinwohner17\_110 Start: 56731, Stop: 56892, Start Num: 7

Candidate Starts for BodEinwohner17\_110:

(Start: 7 @56731 has 84 MA's),

Gene: BoostSeason\_90 Start: 56740, Stop: 56907, Start Num: 7

Candidate Starts for BoostSeason\_90:

(2, 56392), (6, 56710), (Start: 7 @56740 has 84 MA's),

Gene: BuzzLyseyear\_107 Start: 56886, Stop: 57047, Start Num: 7

Candidate Starts for BuzzLyseyear\_107:

(Start: 7 @56886 has 84 MA's),

Gene: ByChance\_91 Start: 50198, Stop: 50359, Start Num: 7

Candidate Starts for ByChance\_91:

(Start: 7 @50198 has 84 MA's),

Gene: Cheese puff\_105 Start: 54122, Stop: 54283, Start Num: 7

Candidate Starts for Cheese puff\_105:

(Start: 7 @54122 has 84 MA's),

Gene: Chevrolet\_104 Start: 55169, Stop: 55330, Start Num: 7

Candidate Starts for Chevrolet\_104:

(Start: 7 @55169 has 84 MA's),

Gene: DRBy19\_100 Start: 55442, Stop: 55603, Start Num: 7

Candidate Starts for DRBy19\_100:  
(Start: 7 @55442 has 84 MA's),

Gene: DaddyRickover\_102 Start: 54925, Stop: 55086, Start Num: 7  
Candidate Starts for DaddyRickover\_102:  
(Start: 7 @54925 has 84 MA's),

Gene: Daenerys\_98 Start: 55092, Stop: 55253, Start Num: 7  
Candidate Starts for Daenerys\_98:  
(Start: 7 @55092 has 84 MA's),

Gene: Deb65\_93 Start: 52816, Stop: 52977, Start Num: 7  
Candidate Starts for Deb65\_93:  
(Start: 7 @52816 has 84 MA's),

Gene: DillTech15\_106 Start: 54398, Stop: 54559, Start Num: 7  
Candidate Starts for DillTech15\_106:  
(Start: 7 @54398 has 84 MA's),

Gene: Donkeykong\_106 Start: 56558, Stop: 56719, Start Num: 7  
Candidate Starts for Donkeykong\_106:  
(Start: 7 @56558 has 84 MA's),

Gene: Doomphist\_105 Start: 55745, Stop: 55906, Start Num: 7  
Candidate Starts for Doomphist\_105:  
(Start: 7 @55745 has 84 MA's),

Gene: Dorothy\_101 Start: 55914, Stop: 56075, Start Num: 7  
Candidate Starts for Dorothy\_101:  
(Start: 7 @55914 has 84 MA's),

Gene: Doughnut\_91 Start: 56921, Stop: 57088, Start Num: 7  
Candidate Starts for Doughnut\_91:  
(2, 56579), (6, 56891), (Start: 7 @56921 has 84 MA's),

Gene: Drago\_99 Start: 51641, Stop: 51802, Start Num: 7  
Candidate Starts for Drago\_99:  
(Start: 7 @51641 has 84 MA's),

Gene: EleanorGeorge\_104 Start: 56559, Stop: 56720, Start Num: 7  
Candidate Starts for EleanorGeorge\_104:  
(Start: 7 @56559 has 84 MA's),

Gene: Empress\_100 Start: 54008, Stop: 54169, Start Num: 7  
Candidate Starts for Empress\_100:  
(Start: 7 @54008 has 84 MA's),

Gene: Estave1\_108 Start: 57801, Stop: 57962, Start Num: 7  
Candidate Starts for Estave1\_108:  
(Start: 7 @57801 has 84 MA's),

Gene: Fancypants\_107 Start: 57307, Stop: 57468, Start Num: 7  
Candidate Starts for Fancypants\_107:

(Start: 7 @57307 has 84 MA's),

Gene: GUmbie\_99 Start: 53944, Stop: 54105, Start Num: 7  
Candidate Starts for GUmbie\_99:  
(Start: 7 @53944 has 84 MA's),

Gene: Galactic\_104 Start: 54420, Stop: 54581, Start Num: 7  
Candidate Starts for Galactic\_104:  
(Start: 7 @54420 has 84 MA's),

Gene: Gandalph\_100 Start: 52050, Stop: 52211, Start Num: 7  
Candidate Starts for Gandalph\_100:  
(Start: 7 @52050 has 84 MA's),

Gene: Geralt\_93 Start: 52814, Stop: 52975, Start Num: 7  
Candidate Starts for Geralt\_93:  
(Start: 7 @52814 has 84 MA's),

Gene: Gorge\_99 Start: 55034, Stop: 55195, Start Num: 7  
Candidate Starts for Gorge\_99:  
(Start: 7 @55034 has 84 MA's),

Gene: Hades\_97 Start: 51586, Stop: 51747, Start Num: 7  
Candidate Starts for Hades\_97:  
(Start: 7 @51586 has 84 MA's),

Gene: Hlubikazi\_98 Start: 52547, Stop: 52708, Start Num: 7  
Candidate Starts for Hlubikazi\_98:  
(Start: 7 @52547 has 84 MA's),

Gene: Inventum\_98 Start: 54102, Stop: 54263, Start Num: 7  
Candidate Starts for Inventum\_98:  
(Start: 7 @54102 has 84 MA's),

Gene: IrishSherpFalk\_100 Start: 54437, Stop: 54598, Start Num: 7  
Candidate Starts for IrishSherpFalk\_100:  
(5, 54395), (Start: 7 @54437 has 84 MA's),

Gene: Jarcob\_103 Start: 56015, Stop: 56176, Start Num: 7  
Candidate Starts for Jarcob\_103:  
(Start: 7 @56015 has 84 MA's),

Gene: JoeyJr\_103 Start: 56010, Stop: 56171, Start Num: 7  
Candidate Starts for JoeyJr\_103:  
(Start: 7 @56010 has 84 MA's),

Gene: Juice456\_99 Start: 53720, Stop: 53881, Start Num: 7  
Candidate Starts for Juice456\_99:  
(Start: 7 @53720 has 84 MA's),

Gene: KingMidas\_100 Start: 54239, Stop: 54400, Start Num: 7  
Candidate Starts for KingMidas\_100:  
(Start: 7 @54239 has 84 MA's),

Gene: Krakatau\_93 Start: 50137, Stop: 50298, Start Num: 7  
Candidate Starts for Krakatau\_93:  
(Start: 7 @50137 has 84 MA's),

Gene: Latretium\_103 Start: 55281, Stop: 55442, Start Num: 7  
Candidate Starts for Latretium\_103:  
(Start: 7 @55281 has 84 MA's),

Gene: Leperchaun\_102 Start: 55244, Stop: 55405, Start Num: 7  
Candidate Starts for Leperchaun\_102:  
(Start: 7 @55244 has 84 MA's),

Gene: LilMoolah\_103 Start: 55215, Stop: 55376, Start Num: 7  
Candidate Starts for LilMoolah\_103:  
(Start: 7 @55215 has 84 MA's),

Gene: Llij\_95 Start: 53166, Stop: 53327, Start Num: 7  
Candidate Starts for Llij\_95:  
(Start: 7 @53166 has 84 MA's),

Gene: LordVader\_96 Start: 51082, Stop: 51243, Start Num: 7  
Candidate Starts for LordVader\_96:  
(4, 51001), (Start: 7 @51082 has 84 MA's),

Gene: MadMen\_105 Start: 54834, Stop: 54995, Start Num: 7  
Candidate Starts for MadMen\_105:  
(Start: 7 @54834 has 84 MA's),

Gene: Madiba\_99 Start: 53523, Stop: 53684, Start Num: 7  
Candidate Starts for Madiba\_99:  
(Start: 7 @53523 has 84 MA's),

Gene: Mandlovu\_98 Start: 52489, Stop: 52650, Start Num: 7  
Candidate Starts for Mandlovu\_98:  
(Start: 7 @52489 has 84 MA's),

Gene: Mattes\_101 Start: 55152, Stop: 55313, Start Num: 7  
Candidate Starts for Mattes\_101:  
(Start: 7 @55152 has 84 MA's),

Gene: MinionDave\_98 Start: 54626, Stop: 54787, Start Num: 7  
Candidate Starts for MinionDave\_98:  
(Start: 7 @54626 has 84 MA's),

Gene: Minnie\_95 Start: 55564, Stop: 55725, Start Num: 7  
Candidate Starts for Minnie\_95:  
(Start: 7 @55564 has 84 MA's),

Gene: Misha28\_90 Start: 54937, Stop: 55098, Start Num: 7  
Candidate Starts for Misha28\_90:  
(Start: 7 @54937 has 84 MA's),

Gene: Moonbeam\_103 Start: 55059, Stop: 55220, Start Num: 7  
Candidate Starts for Moonbeam\_103:  
(Start: 7 @55059 has 84 MA's),

Gene: Mufasa\_90 Start: 56727, Stop: 56894, Start Num: 7  
Candidate Starts for Mufasa\_90:  
(2, 56379), (6, 56697), (Start: 7 @56727 has 84 MA's),

Gene: MulchSalad\_102 Start: 55492, Stop: 55653, Start Num: 7  
Candidate Starts for MulchSalad\_102:  
(4, 55411), (Start: 7 @55492 has 84 MA's),

Gene: Nimbo\_92 Start: 52816, Stop: 52977, Start Num: 7  
Candidate Starts for Nimbo\_92:  
(Start: 7 @52816 has 84 MA's),

Gene: Nivrat\_100 Start: 55088, Stop: 55249, Start Num: 7  
Candidate Starts for Nivrat\_100:  
(Start: 7 @55088 has 84 MA's),

Gene: Ogopogo\_104 Start: 53421, Stop: 53582, Start Num: 7  
Candidate Starts for Ogopogo\_104:  
(Start: 7 @53421 has 84 MA's),

Gene: OldBen\_97 Start: 54208, Stop: 54369, Start Num: 7  
Candidate Starts for OldBen\_97:  
(Start: 7 @54208 has 84 MA's),

Gene: PHappiness\_100 Start: 55037, Stop: 55198, Start Num: 7  
Candidate Starts for PHappiness\_100:  
(Start: 7 @55037 has 84 MA's),

Gene: PMC\_99 Start: 53252, Stop: 53413, Start Num: 7  
Candidate Starts for PMC\_99:  
(Start: 7 @53252 has 84 MA's),

Gene: Peridot\_103 Start: 54621, Stop: 54782, Start Num: 7  
Candidate Starts for Peridot\_103:  
(Start: 7 @54621 has 84 MA's),

Gene: Piper2020\_95 Start: 55185, Stop: 55346, Start Num: 7  
Candidate Starts for Piper2020\_95:  
(Start: 7 @55185 has 84 MA's),

Gene: Plumbus\_99 Start: 51933, Stop: 52094, Start Num: 7  
Candidate Starts for Plumbus\_99:  
(Start: 7 @51933 has 84 MA's),

Gene: Poenanya\_104 Start: 55745, Stop: 55906, Start Num: 7  
Candidate Starts for Poenanya\_104:  
(Start: 7 @55745 has 84 MA's),

Gene: Polka14\_104 Start: 55806, Stop: 55967, Start Num: 7

Candidate Starts for Polka14\_104:  
(Start: 7 @55806 has 84 MA's),

Gene: Pollywog\_102 Start: 55864, Stop: 56025, Start Num: 7  
Candidate Starts for Pollywog\_102:  
(Start: 7 @55864 has 84 MA's),

Gene: QuickMath\_101 Start: 54125, Stop: 54286, Start Num: 7  
Candidate Starts for QuickMath\_101:  
(Start: 7 @54125 has 84 MA's),

Gene: Radiance\_98 Start: 54149, Stop: 54310, Start Num: 7  
Candidate Starts for Radiance\_98:  
(Start: 7 @54149 has 84 MA's),

Gene: Ramsey\_105 Start: 56045, Stop: 56206, Start Num: 7  
Candidate Starts for Ramsey\_105:  
(Start: 7 @56045 has 84 MA's),

Gene: RedBird\_101 Start: 55784, Stop: 55945, Start Num: 7  
Candidate Starts for RedBird\_101:  
(Start: 7 @55784 has 84 MA's),

Gene: Rialto\_105 Start: 55400, Stop: 55561, Start Num: 7  
Candidate Starts for Rialto\_105:  
(Start: 7 @55400 has 84 MA's),

Gene: RitaG\_99 Start: 54839, Stop: 55000, Start Num: 7  
Candidate Starts for RitaG\_99:  
(Start: 7 @54839 has 84 MA's),

Gene: Rockne\_103 Start: 53264, Stop: 53425, Start Num: 7  
Candidate Starts for Rockne\_103:  
(Start: 7 @53264 has 84 MA's),

Gene: Saal\_98 Start: 54854, Stop: 55015, Start Num: 7  
Candidate Starts for Saal\_98:  
(Start: 7 @54854 has 84 MA's),

Gene: Sassafras\_102 Start: 54101, Stop: 54262, Start Num: 7  
Candidate Starts for Sassafras\_102:  
(Start: 7 @54101 has 84 MA's),

Gene: Scottish\_100 Start: 53678, Stop: 53839, Start Num: 7  
Candidate Starts for Scottish\_100:  
(Start: 7 @53678 has 84 MA's),

Gene: ShiLan\_103 Start: 56871, Stop: 57032, Start Num: 7  
Candidate Starts for ShiLan\_103:  
(Start: 7 @56871 has 84 MA's),

Gene: Sparkdehlily\_107 Start: 53349, Stop: 53510, Start Num: 7  
Candidate Starts for Sparkdehlily\_107:

(Start: 7 @53349 has 84 MA's),

Gene: Spartacus\_107 Start: 57463, Stop: 57624, Start Num: 7

Candidate Starts for Spartacus\_107:

(Start: 7 @57463 has 84 MA's),

Gene: Spoonbill\_100 Start: 52784, Stop: 52945, Start Num: 7

Candidate Starts for Spoonbill\_100:

(Start: 7 @52784 has 84 MA's),

Gene: Squirty\_99 Start: 57753, Stop: 57914, Start Num: 7

Candidate Starts for Squirty\_99:

(4, 57672), (Start: 7 @57753 has 84 MA's),

Gene: Starcevich\_102 Start: 55513, Stop: 55674, Start Num: 7

Candidate Starts for Starcevich\_102:

(5, 55471), (Start: 7 @55513 has 84 MA's),

Gene: Strokeseat\_98 Start: 52546, Stop: 52707, Start Num: 7

Candidate Starts for Strokeseat\_98:

(Start: 7 @52546 has 84 MA's),

Gene: TDanisky\_108 Start: 53349, Stop: 53510, Start Num: 7

Candidate Starts for TDanisky\_108:

(Start: 7 @53349 has 84 MA's),

Gene: TM4\_88 Start: 51459, Stop: 51626, Start Num: 7

Candidate Starts for TM4\_88:

(1, 51063), (2, 51117), (6, 51429), (Start: 7 @51459 has 84 MA's),

Gene: TootsiePop\_90 Start: 54937, Stop: 55098, Start Num: 7

Candidate Starts for TootsiePop\_90:

(Start: 7 @54937 has 84 MA's),

Gene: Totinger\_103 Start: 54913, Stop: 55074, Start Num: 7

Candidate Starts for Totinger\_103:

(Start: 7 @54913 has 84 MA's),

Gene: WillSterrel\_98 Start: 54470, Stop: 54631, Start Num: 7

Candidate Starts for WillSterrel\_98:

(5, 54428), (Start: 7 @54470 has 84 MA's),

Gene: Yorick\_96 Start: 55531, Stop: 55692, Start Num: 7

Candidate Starts for Yorick\_96:

(Start: 7 @55531 has 84 MA's),

Gene: ZoeJ\_88 Start: 55979, Stop: 56146, Start Num: 7

Candidate Starts for ZoeJ\_88:

(3, 55652), (6, 55949), (Start: 7 @55979 has 84 MA's),