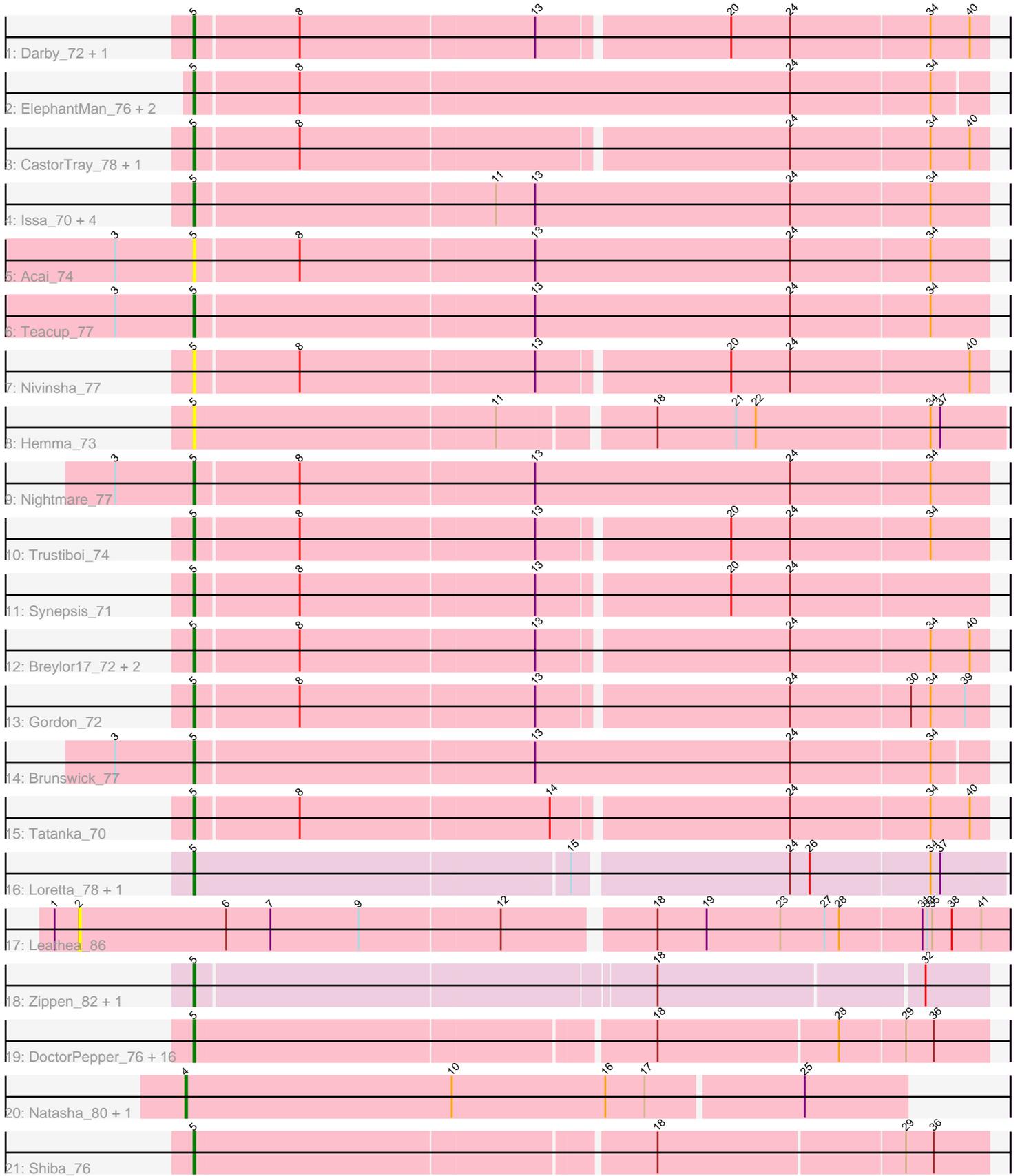


Pham 285665



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 285665 Report

This analysis was run 03/28/26 on database version 641.

Pham number 285665 has 50 members, 11 are drafts.

Phages represented in each track:

- Track 1 : Darby_72, AreFloNak_80
- Track 2 : ElephantMan_76, LucySwiss_76, Niktson_76
- Track 3 : CastorTray_78, ScienceWizSam_77
- Track 4 : Issa_70, Dinallo_70, CapnMurica_72, MiniBagel_76, Tenno_75
- Track 5 : Acai_74
- Track 6 : Teacup_77
- Track 7 : Nivinsha_77
- Track 8 : Hemma_73
- Track 9 : Nightmare_77
- Track 10 : Trustiboi_74
- Track 11 : Synopsis_71
- Track 12 : Breylor17_72, Westerlin_73, DevitoJr_75
- Track 13 : Gordon_72
- Track 14 : Brunswick_77
- Track 15 : Tatanka_70
- Track 16 : Loretta_78, Ingrid_82
- Track 17 : Leathea_86
- Track 18 : Zippen_82, Inked_82
- Track 19 : DoctorPepper_76, MrAaronian_77, HerbBucket_76, Linda_77, Djungelskog_76, Salk_77, Spain_77, Egad_77, Stayer_77, Raunak_78, Sloopyjoe_77, Boog_76, BronxBay_77, StarLord_77, Jeremy4pt0_74, Michelle_77, ProfFrink_77
- Track 20 : Natasha_80, RustyBoy_81
- Track 21 : Shiba_76

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

The start number called the most often in the published annotations is 5, it was called in 37 of the 39 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Acai_74, AreFloNak_80, Boog_76, Breylor17_72, BronxBay_77, Brunswick_77, CapnMurica_72, CastorTray_78, Darby_72, DevitoJr_75, Dinallo_70, Djungelskog_76, DoctorPepper_76, Egad_77, ElephantMan_76, Gordon_72,

Hemma_73, HerbBucket_76, Ingrid_82, Inked_82, Issa_70, Jeremy4pt0_74, Linda_77, Loretta_78, LucySwiss_76, Michelle_77, MiniBagel_76, MrAaronian_77, Nightmare_77, Niktson_76, Nivinsha_77, ProfFrink_77, Raunak_78, Salk_77, ScienceWizSam_77, Shiba_76, Sloopyjoe_77, Spain_77, StarLord_77, Stayer_77, Synepsis_71, Tatanka_70, Teacup_77, Tenno_75, Trustiboi_74, Westerlin_73, Zippen_82,

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

-

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

- Leathea_86, Natasha_80, RustyBoy_81,

Summary by start number:

Start 2:

- Found in 1 of 50 (2.0%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Leathea_86 (AU6),

Start 4:

- Found in 2 of 50 (4.0%) of genes in pham
- Manual Annotations of this start: 2 of 39
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Natasha_80 (AW), RustyBoy_81 (AW),

Start 5:

- Found in 47 of 50 (94.0%) of genes in pham
- Manual Annotations of this start: 37 of 39
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Acai_74 (AU1), AreFloNak_80 (AU1), Boog_76 (AW), Breylor17_72 (AU1), BronxBay_77 (AW), Brunswick_77 (AU1), CapnMurica_72 (AU1), CastorTray_78 (AU1), Darby_72 (AU1), DevitoJr_75 (AU1), Dinallo_70 (AU1), Djungelskog_76 (AW), DoctorPepper_76 (AW), Egad_77 (AW), ElephantMan_76 (AU1), Gordon_72 (AU1), Hemma_73 (AU1), HerbBucket_76 (AW), Ingrid_82 (AU3), Inked_82 (AU7), Issa_70 (AU1), Jeremy4pt0_74 (AW), Linda_77 (AW), Loretta_78 (AU3), LucySwiss_76 (AU1), Michelle_77 (AW), MiniBagel_76 (AU1), MrAaronian_77 (AW), Nightmare_77 (AU1), Niktson_76 (AU1), Nivinsha_77 (AU1), ProfFrink_77 (AW), Raunak_78 (AW), Salk_77 (AW), ScienceWizSam_77 (AU1), Shiba_76 (AW), Sloopyjoe_77 (AW), Spain_77 (AW), StarLord_77 (AW), Stayer_77 (AW), Synepsis_71 (AU1), Tatanka_70 (AU1), Teacup_77 (AU1), Tenno_75 (AU1), Trustiboi_74 (AU1), Westerlin_73 (AU1), Zippen_82 (AU7),

Summary by clusters:

There are 5 clusters represented in this pham: AU1, AU3, AU7, AW, AU6,

Info for manual annotations of cluster AU1:

- Start number 5 was manually annotated 19 times for cluster AU1.

Info for manual annotations of cluster AU3:

- Start number 5 was manually annotated 2 times for cluster AU3.

Info for manual annotations of cluster AU7:

- Start number 5 was manually annotated 2 times for cluster AU7.

Info for manual annotations of cluster AW:

- Start number 4 was manually annotated 2 times for cluster AW.
- Start number 5 was manually annotated 14 times for cluster AW.

Gene Information:

Gene: Acai_74 Start: 50191, Stop: 50667, Start Num: 5

Candidate Starts for Acai_74:

(3, 50143), (Start: 5 @50191 has 37 MA's), (8, 50251), (13, 50392), (24, 50548), (34, 50632),

Gene: AreFloNak_80 Start: 50058, Stop: 50525, Start Num: 5

Candidate Starts for AreFloNak_80:

(Start: 5 @50058 has 37 MA's), (8, 50118), (13, 50259), (20, 50370), (24, 50406), (34, 50490), (40, 50514),

Gene: Boog_76 Start: 47985, Stop: 48449, Start Num: 5

Candidate Starts for Boog_76:

(Start: 5 @47985 has 37 MA's), (18, 48255), (28, 48363), (29, 48402), (36, 48417),

Gene: Breylor17_72 Start: 50448, Stop: 50915, Start Num: 5

Candidate Starts for Breylor17_72:

(Start: 5 @50448 has 37 MA's), (8, 50508), (13, 50649), (24, 50796), (34, 50880), (40, 50904),

Gene: BronxBay_77 Start: 48274, Stop: 48738, Start Num: 5

Candidate Starts for BronxBay_77:

(Start: 5 @48274 has 37 MA's), (18, 48544), (28, 48652), (29, 48691), (36, 48706),

Gene: Brunswick_77 Start: 50186, Stop: 50659, Start Num: 5

Candidate Starts for Brunswick_77:

(3, 50138), (Start: 5 @50186 has 37 MA's), (13, 50387), (24, 50543), (34, 50627),

Gene: CapnMurica_72 Start: 50515, Stop: 50991, Start Num: 5

Candidate Starts for CapnMurica_72:

(Start: 5 @50515 has 37 MA's), (11, 50692), (13, 50716), (24, 50872), (34, 50956),

Gene: CastorTray_78 Start: 50576, Stop: 51043, Start Num: 5

Candidate Starts for CastorTray_78:

(Start: 5 @50576 has 37 MA's), (8, 50636), (24, 50924), (34, 51008), (40, 51032),

Gene: Darby_72 Start: 49622, Stop: 50089, Start Num: 5

Candidate Starts for Darby_72:

(Start: 5 @49622 has 37 MA's), (8, 49682), (13, 49823), (20, 49934), (24, 49970), (34, 50054), (40, 50078),

Gene: DevitoJr_75 Start: 50004, Stop: 50471, Start Num: 5

Candidate Starts for DevitoJr_75:

(Start: 5 @50004 has 37 MA's), (8, 50064), (13, 50205), (24, 50352), (34, 50436), (40, 50460),

Gene: Dinallo_70 Start: 50761, Stop: 51237, Start Num: 5

Candidate Starts for Dinallo_70:

(Start: 5 @50761 has 37 MA's), (11, 50938), (13, 50962), (24, 51118), (34, 51202),

Gene: Djungelskog_76 Start: 48276, Stop: 48740, Start Num: 5

Candidate Starts for Djungelskog_76:

(Start: 5 @48276 has 37 MA's), (18, 48546), (28, 48654), (29, 48693), (36, 48708),

Gene: DoctorPepper_76 Start: 47969, Stop: 48433, Start Num: 5

Candidate Starts for DoctorPepper_76:

(Start: 5 @47969 has 37 MA's), (18, 48239), (28, 48347), (29, 48386), (36, 48401),

Gene: Egad_77 Start: 48243, Stop: 48707, Start Num: 5

Candidate Starts for Egad_77:

(Start: 5 @48243 has 37 MA's), (18, 48513), (28, 48621), (29, 48660), (36, 48675),

Gene: ElephantMan_76 Start: 50779, Stop: 51252, Start Num: 5

Candidate Starts for ElephantMan_76:

(Start: 5 @50779 has 37 MA's), (8, 50839), (24, 51136), (34, 51220),

Gene: Gordon_72 Start: 50418, Stop: 50885, Start Num: 5

Candidate Starts for Gordon_72:

(Start: 5 @50418 has 37 MA's), (8, 50478), (13, 50619), (24, 50766), (30, 50838), (34, 50850), (39, 50871),

Gene: Hemma_73 Start: 47826, Stop: 48302, Start Num: 5

Candidate Starts for Hemma_73:

(Start: 5 @47826 has 37 MA's), (11, 48006), (18, 48093), (21, 48141), (22, 48153), (34, 48258), (37, 48264),

Gene: HerbBucket_76 Start: 47969, Stop: 48433, Start Num: 5

Candidate Starts for HerbBucket_76:

(Start: 5 @47969 has 37 MA's), (18, 48239), (28, 48347), (29, 48386), (36, 48401),

Gene: Ingrid_82 Start: 50381, Stop: 50857, Start Num: 5

Candidate Starts for Ingrid_82:

(Start: 5 @50381 has 37 MA's), (15, 50603), (24, 50729), (26, 50741), (34, 50813), (37, 50819),

Gene: Inked_82 Start: 51097, Stop: 51561, Start Num: 5

Candidate Starts for Inked_82:

(Start: 5 @51097 has 37 MA's), (18, 51367), (32, 51523),

Gene: Issa_70 Start: 49586, Stop: 50062, Start Num: 5

Candidate Starts for Issa_70:

(Start: 5 @49586 has 37 MA's), (11, 49763), (13, 49787), (24, 49943), (34, 50027),

Gene: Jeremy4pt0_74 Start: 47961, Stop: 48425, Start Num: 5

Candidate Starts for Jeremy4pt0_74:

(Start: 5 @47961 has 37 MA's), (18, 48231), (28, 48339), (29, 48378), (36, 48393),

Gene: Leathea_86 Start: 48939, Stop: 49490, Start Num: 2

Candidate Starts for Leathea_86:

(1, 48924), (2, 48939), (6, 49029), (7, 49056), (9, 49110), (12, 49194), (18, 49278), (19, 49308), (23, 49353), (27, 49380), (28, 49389), (31, 49437), (33, 49440), (35, 49443), (38, 49455), (41, 49473),

Gene: Linda_77 Start: 48256, Stop: 48720, Start Num: 5

Candidate Starts for Linda_77:

(Start: 5 @48256 has 37 MA's), (18, 48526), (28, 48634), (29, 48673), (36, 48688),

Gene: Loretta_78 Start: 50381, Stop: 50857, Start Num: 5

Candidate Starts for Loretta_78:

(Start: 5 @50381 has 37 MA's), (15, 50603), (24, 50729), (26, 50741), (34, 50813), (37, 50819),

Gene: LucySwiss_76 Start: 49844, Stop: 50320, Start Num: 5

Candidate Starts for LucySwiss_76:

(Start: 5 @49844 has 37 MA's), (8, 49904), (24, 50201), (34, 50285),

Gene: Michelle_77 Start: 48273, Stop: 48737, Start Num: 5

Candidate Starts for Michelle_77:

(Start: 5 @48273 has 37 MA's), (18, 48543), (28, 48651), (29, 48690), (36, 48705),

Gene: MiniBagel_76 Start: 50519, Stop: 50995, Start Num: 5

Candidate Starts for MiniBagel_76:

(Start: 5 @50519 has 37 MA's), (11, 50696), (13, 50720), (24, 50876), (34, 50960),

Gene: MrAaronian_77 Start: 48273, Stop: 48737, Start Num: 5

Candidate Starts for MrAaronian_77:

(Start: 5 @48273 has 37 MA's), (18, 48543), (28, 48651), (29, 48690), (36, 48705),

Gene: Natasha_80 Start: 48586, Stop: 49020, Start Num: 4

Candidate Starts for Natasha_80:

(Start: 4 @48586 has 2 MA's), (10, 48748), (16, 48841), (17, 48865), (25, 48958),

Gene: Nightmare_77 Start: 50946, Stop: 51422, Start Num: 5

Candidate Starts for Nightmare_77:

(3, 50898), (Start: 5 @50946 has 37 MA's), (8, 51006), (13, 51147), (24, 51303), (34, 51387),

Gene: Niktson_76 Start: 50779, Stop: 51252, Start Num: 5

Candidate Starts for Niktson_76:

(Start: 5 @50779 has 37 MA's), (8, 50839), (24, 51136), (34, 51220),

Gene: Nivinsha_77 Start: 50059, Stop: 50526, Start Num: 5

Candidate Starts for Nivinsha_77:

(Start: 5 @50059 has 37 MA's), (8, 50119), (13, 50260), (20, 50371), (24, 50407), (40, 50515),

Gene: ProfFrink_77 Start: 48242, Stop: 48706, Start Num: 5

Candidate Starts for ProfFrink_77:

(Start: 5 @48242 has 37 MA's), (18, 48512), (28, 48620), (29, 48659), (36, 48674),

Gene: Raunak_78 Start: 47952, Stop: 48416, Start Num: 5

Candidate Starts for Raunak_78:

(Start: 5 @47952 has 37 MA's), (18, 48222), (28, 48330), (29, 48369), (36, 48384),

Gene: RustyBoy_81 Start: 48785, Stop: 49219, Start Num: 4

Candidate Starts for RustyBoy_81:

(Start: 4 @48785 has 2 MA's), (10, 48947), (16, 49040), (17, 49064), (25, 49157),

Gene: Salk_77 Start: 48256, Stop: 48720, Start Num: 5

Candidate Starts for Salk_77:

(Start: 5 @48256 has 37 MA's), (18, 48526), (28, 48634), (29, 48673), (36, 48688),

Gene: ScienceWizSam_77 Start: 50177, Stop: 50644, Start Num: 5

Candidate Starts for ScienceWizSam_77:

(Start: 5 @50177 has 37 MA's), (8, 50237), (24, 50525), (34, 50609), (40, 50633),

Gene: Shiba_76 Start: 47968, Stop: 48432, Start Num: 5

Candidate Starts for Shiba_76:

(Start: 5 @47968 has 37 MA's), (18, 48238), (29, 48385), (36, 48400),

Gene: Sloopyjoe_77 Start: 48275, Stop: 48739, Start Num: 5

Candidate Starts for Sloopyjoe_77:

(Start: 5 @48275 has 37 MA's), (18, 48545), (28, 48653), (29, 48692), (36, 48707),

Gene: Spain_77 Start: 48273, Stop: 48737, Start Num: 5

Candidate Starts for Spain_77:

(Start: 5 @48273 has 37 MA's), (18, 48543), (28, 48651), (29, 48690), (36, 48705),

Gene: StarLord_77 Start: 48268, Stop: 48732, Start Num: 5

Candidate Starts for StarLord_77:

(Start: 5 @48268 has 37 MA's), (18, 48538), (28, 48646), (29, 48685), (36, 48700),

Gene: Stayer_77 Start: 48271, Stop: 48735, Start Num: 5

Candidate Starts for Stayer_77:

(Start: 5 @48271 has 37 MA's), (18, 48541), (28, 48649), (29, 48688), (36, 48703),

Gene: Synopsis_71 Start: 49985, Stop: 50452, Start Num: 5

Candidate Starts for Synopsis_71:

(Start: 5 @49985 has 37 MA's), (8, 50045), (13, 50186), (20, 50297), (24, 50333),

Gene: Tatanka_70 Start: 50163, Stop: 50630, Start Num: 5

Candidate Starts for Tatanka_70:

(Start: 5 @50163 has 37 MA's), (8, 50223), (14, 50373), (24, 50511), (34, 50595), (40, 50619),

Gene: Teacup_77 Start: 50837, Stop: 51313, Start Num: 5

Candidate Starts for Teacup_77:

(3, 50789), (Start: 5 @50837 has 37 MA's), (13, 51038), (24, 51194), (34, 51278),

Gene: Tenno_75 Start: 50552, Stop: 51028, Start Num: 5

Candidate Starts for Tenno_75:

(Start: 5 @50552 has 37 MA's), (11, 50729), (13, 50753), (24, 50909), (34, 50993),

Gene: Trustiboi_74 Start: 50266, Stop: 50733, Start Num: 5

Candidate Starts for Trustiboi_74:

(Start: 5 @50266 has 37 MA's), (8, 50326), (13, 50467), (20, 50578), (24, 50614), (34, 50698),

Gene: Westerlin_73 Start: 51185, Stop: 51652, Start Num: 5

Candidate Starts for Westerlin_73:

(Start: 5 @51185 has 37 MA's), (8, 51245), (13, 51386), (24, 51533), (34, 51617), (40, 51641),

Gene: Zippen_82 Start: 50971, Stop: 51435, Start Num: 5

Candidate Starts for Zippen_82:

(Start: 5 @50971 has 37 MA's), (18, 51241), (32, 51397),