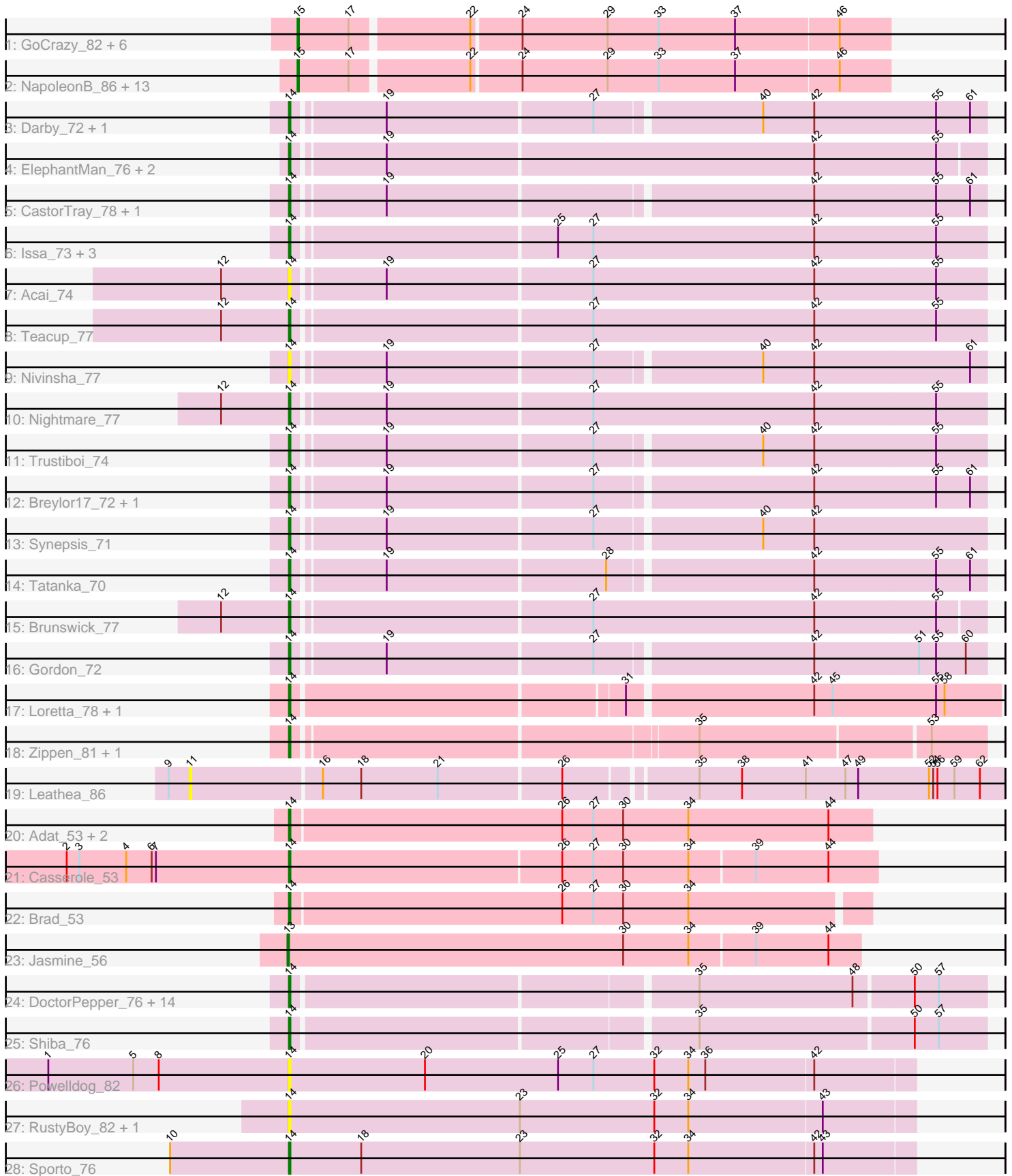


Pham 221390



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 221390 Report

This analysis was run 03/28/25 on database version 593.

Pham number 221390 has 74 members, 15 are drafts.

Phages represented in each track:

- Track 1 : GoCrazy_82, Xenomorph_80, BenitoAntonio_85, Benllo_85, Cheesy_86, KeaneyLin_82, Bowling_86
- Track 2 : NapoleonB_86, Heisenberger_84, Elsa_85, Correa_83, Tribby_87, Mooshroom_86, Arcadia_85, Hankly_85, JEGGS_84, Mudcat_81, Dynamite_85, Circum_85, Kardesai_85, Nason_85
- Track 3 : Darby_72, AreFloNak_80
- Track 4 : ElephantMan_76, Niktson_76, LucySwiss_75
- Track 5 : CastorTray_78, ScienceWizSam_77
- Track 6 : Issa_73, CapnMurica_72, MiniBagel_76, Tenno_75
- Track 7 : Acai_74
- Track 8 : Teacup_77
- Track 9 : Nivinsha_77
- Track 10 : Nightmare_77
- Track 11 : Trustiboi_74
- Track 12 : Breylor17_72, DevitoJr_75
- Track 13 : Synopsis_71
- Track 14 : Tatanka_70
- Track 15 : Brunswick_77
- Track 16 : Gordon_72
- Track 17 : Loretta_78, Ingrid_82
- Track 18 : Zippen_81, Inked_82
- Track 19 : Leathea_86
- Track 20 : Adat_53, Nellie_53, GurgleFerb_53
- Track 21 : Casserole_53
- Track 22 : Brad_53
- Track 23 : Jasmine_56
- Track 24 : DoctorPepper_76, MrAaronian_77, HerbBucket_76, Salk_77, Egad_77, Raunak_78, Linda_77, BronxBay_77, Boog_78, Sloopyjoe_77, Djungelskog_76, ProfFrink_77, StarLord_77, Michelle_77, Stayer_77
- Track 25 : Shiba_76
- Track 26 : PowellDog_82
- Track 27 : RustyBoy_82, Natasha_82
- Track 28 : Sporto_76

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 39 of the 59 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Acai_74, Adat_53, AreFloNak_80, Boog_78, Brad_53, Breylor17_72, BronxBay_77, Brunswick_77, CapnMurica_72, Casserole_53, CastorTray_78, Darby_72, DevitoJr_75, Djungelskog_76, DoctorPepper_76, Egad_77, ElephantMan_76, Gordon_72, GurgleFerb_53, HerbBucket_76, Ingrid_82, Inked_82, Issa_73, Linda_77, Loretta_78, LucySwiss_75, Michelle_77, MiniBagel_76, MrAaronian_77, Natasha_82, Nellie_53, Nightmare_77, Niktson_76, Nivinsha_77, Powelldog_82, ProfFrink_77, Raunak_78, RustyBoy_82, Salk_77, ScienceWizSam_77, Shiba_76, Sloopyjoe_77, Sporto_76, StarLord_77, Stayer_77, Synepsis_71, Tatanka_70, Teacup_77, Tenno_75, Trustiboi_74, Zippen_81,

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

-

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

- Arcadia_85, BenitoAntonio_85, Benllo_85, Bowling_86, Cheesy_86, Circum_85, Correa_83, Dynamite_85, Elsa_85, GoCrazy_82, Hankly_85, Heisenberger_84, JEGGS_84, Jasmine_56, Kardesai_85, KeaneyLin_82, Leathea_86, Mooshroom_86, Mudcat_81, NapoleonB_86, Nason_85, Tribby_87, Xenomorph_80,

Summary by start number:

Start 11:

- Found in 1 of 74 (1.4%) 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 13:

- Found in 1 of 74 (1.4%) of genes in pham
- Manual Annotations of this start: 1 of 59
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Jasmine_56 (AV),

Start 14:

- Found in 51 of 74 (68.9%) of genes in pham
- Manual Annotations of this start: 39 of 59
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Acai_74 (AU1), Adat_53 (AV), AreFloNak_80 (AU1), Boog_78 (AW), Brad_53 (AV), Breylor17_72 (AU1), BronxBay_77 (AW), Brunswick_77 (AU1), CapnMurica_72 (AU1), Casserole_53 (AV), CastorTray_78 (AU1), Darby_72 (AU1), DevitoJr_75 (AU1), Djungelskog_76 (AW), DoctorPepper_76 (AW), Egad_77 (AW), ElephantMan_76 (AU1), Gordon_72 (AU1), GurgleFerb_53 (AV), HerbBucket_76 (AW), Ingrid_82 (AU3), Inked_82 (AU), Issa_73 (AU1), Linda_77 (AW), Loretta_78 (AU3), LucySwiss_75 (AU1), Michelle_77 (AW), MiniBagel_76 (AU1), MrAaronian_77 (AW), Natasha_82 (AW), Nellie_53 (AV), Nightmare_77 (AU1), Niktson_76 (AU1), Nivinsha_77 (AU1), Powelldog_82 (AW), ProfFrink_77 (AW), Raunak_78 (AW), RustyBoy_82 (AW), Salk_77 (AW), ScienceWizSam_77 (AU1), Shiba_76 (AW), Sloopyjoe_77 (AW), Sporto_76 (AW),

StarLord_77 (AW), Stayer_77 (AW), Synopsis_71 (AU1), Tatanka_70 (AU1), Teacup_77 (AU1), Tenno_75 (AU1), Trustiboi_74 (AU1), Zippen_81 (AU3),

Start 15:

- Found in 21 of 74 (28.4%) of genes in pham
- Manual Annotations of this start: 19 of 59
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arcadia_85 (AM), BenitoAntonio_85 (AM), Benllo_85 (AM), Bowling_86 (AM), Cheesy_86 (AM), Circum_85 (AM), Correa_83 (AM), Dynamite_85 (AM), Elsa_85 (AM), GoCrazy_82 (AM), Hankly_85 (AM), Heisenberger_84 (AM), JEGGS_84 (AM), Kardesai_85 (AM), KeaneyLin_82 (AM), Mooshroom_86 (AM), Mudcat_81 (AM), NapoleonB_86 (AM), Nason_85 (AM), Tribby_87 (AM), Xenomorph_80 (AM),

Summary by clusters:

There are 7 clusters represented in this pham: AU6, AM, AU1, AU3, AU, AW, AV,

Info for manual annotations of cluster AM:

- Start number 15 was manually annotated 19 times for cluster AM.

Info for manual annotations of cluster AU:

- Start number 14 was manually annotated 1 time for cluster AU.

Info for manual annotations of cluster AU1:

- Start number 14 was manually annotated 17 times for cluster AU1.

Info for manual annotations of cluster AU3:

- Start number 14 was manually annotated 2 times for cluster AU3.

Info for manual annotations of cluster AV:

- Start number 13 was manually annotated 1 time for cluster AV.
- Start number 14 was manually annotated 5 times for cluster AV.

Info for manual annotations of cluster AW:

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

Gene Information:

Gene: Acai_74 Start: 50191, Stop: 50667, Start Num: 14

Candidate Starts for Acai_74:

(12, 50143), (Start: 14 @50191 has 39 MA's), (19, 50251), (27, 50392), (42, 50548), (55, 50632),

Gene: Adat_53 Start: 43182, Stop: 42778, Start Num: 14

Candidate Starts for Adat_53:

(Start: 14 @43182 has 39 MA's), (26, 42993), (27, 42972), (30, 42951), (34, 42906), (44, 42807),

Gene: Arcadia_85 Start: 50574, Stop: 50978, Start Num: 15

Candidate Starts for Arcadia_85:

(Start: 15 @50574 has 19 MA's), (17, 50610), (22, 50688), (24, 50721), (29, 50781), (33, 50817), (37, 50871), (46, 50943),

Gene: AreFloNak_80 Start: 50058, Stop: 50525, Start Num: 14

Candidate Starts for AreFloNak_80:

(Start: 14 @50058 has 39 MA's), (19, 50118), (27, 50259), (40, 50370), (42, 50406), (55, 50490), (61, 50514),

Gene: BenitoAntonio_85 Start: 50151, Stop: 50555, Start Num: 15

Candidate Starts for BenitoAntonio_85:

(Start: 15 @50151 has 19 MA's), (17, 50187), (22, 50265), (24, 50298), (29, 50358), (33, 50394), (37, 50448), (46, 50520),

Gene: Benllo_85 Start: 50469, Stop: 50873, Start Num: 15

Candidate Starts for Benllo_85:

(Start: 15 @50469 has 19 MA's), (17, 50505), (22, 50583), (24, 50616), (29, 50676), (33, 50712), (37, 50766), (46, 50838),

Gene: Boog_78 Start: 47985, Stop: 48449, Start Num: 14

Candidate Starts for Boog_78:

(Start: 14 @47985 has 39 MA's), (35, 48255), (48, 48363), (50, 48402), (57, 48417),

Gene: Bowling_86 Start: 50927, Stop: 51331, Start Num: 15

Candidate Starts for Bowling_86:

(Start: 15 @50927 has 19 MA's), (17, 50963), (22, 51041), (24, 51074), (29, 51134), (33, 51170), (37, 51224), (46, 51296),

Gene: Brad_53 Start: 43174, Stop: 42776, Start Num: 14

Candidate Starts for Brad_53:

(Start: 14 @43174 has 39 MA's), (26, 42985), (27, 42964), (30, 42943), (34, 42898),

Gene: Breylor17_72 Start: 50448, Stop: 50915, Start Num: 14

Candidate Starts for Breylor17_72:

(Start: 14 @50448 has 39 MA's), (19, 50508), (27, 50649), (42, 50796), (55, 50880), (61, 50904),

Gene: BronxBay_77 Start: 48274, Stop: 48738, Start Num: 14

Candidate Starts for BronxBay_77:

(Start: 14 @48274 has 39 MA's), (35, 48544), (48, 48652), (50, 48691), (57, 48706),

Gene: Brunswick_77 Start: 50186, Stop: 50659, Start Num: 14

Candidate Starts for Brunswick_77:

(12, 50138), (Start: 14 @50186 has 39 MA's), (27, 50387), (42, 50543), (55, 50627),

Gene: CapnMurica_72 Start: 50515, Stop: 50991, Start Num: 14

Candidate Starts for CapnMurica_72:

(Start: 14 @50515 has 39 MA's), (25, 50692), (27, 50716), (42, 50872), (55, 50956),

Gene: Casserole_53 Start: 44279, Stop: 43875, Start Num: 14

Candidate Starts for Casserole_53:

(2, 44435), (3, 44426), (4, 44393), (6, 44375), (7, 44372), (Start: 14 @44279 has 39 MA's), (26, 44090), (27, 44069), (30, 44048), (34, 44003), (39, 43958), (44, 43907),

Gene: CastorTray_78 Start: 50576, Stop: 51043, Start Num: 14

Candidate Starts for CastorTray_78:

(Start: 14 @50576 has 39 MA's), (19, 50636), (42, 50924), (55, 51008), (61, 51032),

Gene: Cheesy_86 Start: 50366, Stop: 50770, Start Num: 15

Candidate Starts for Cheesy_86:

(Start: 15 @50366 has 19 MA's), (17, 50402), (22, 50480), (24, 50513), (29, 50573), (33, 50609), (37, 50663), (46, 50735),

Gene: Circum_85 Start: 50423, Stop: 50827, Start Num: 15

Candidate Starts for Circum_85:

(Start: 15 @50423 has 19 MA's), (17, 50459), (22, 50537), (24, 50570), (29, 50630), (33, 50666), (37, 50720), (46, 50792),

Gene: Correa_83 Start: 49923, Stop: 50327, Start Num: 15

Candidate Starts for Correa_83:

(Start: 15 @49923 has 19 MA's), (17, 49959), (22, 50037), (24, 50070), (29, 50130), (33, 50166), (37, 50220), (46, 50292),

Gene: Darby_72 Start: 49622, Stop: 50089, Start Num: 14

Candidate Starts for Darby_72:

(Start: 14 @49622 has 39 MA's), (19, 49682), (27, 49823), (40, 49934), (42, 49970), (55, 50054), (61, 50078),

Gene: DevitoJr_75 Start: 50004, Stop: 50471, Start Num: 14

Candidate Starts for DevitoJr_75:

(Start: 14 @50004 has 39 MA's), (19, 50064), (27, 50205), (42, 50352), (55, 50436), (61, 50460),

Gene: Djungelskog_76 Start: 48276, Stop: 48740, Start Num: 14

Candidate Starts for Djungelskog_76:

(Start: 14 @48276 has 39 MA's), (35, 48546), (48, 48654), (50, 48693), (57, 48708),

Gene: DoctorPepper_76 Start: 47969, Stop: 48433, Start Num: 14

Candidate Starts for DoctorPepper_76:

(Start: 14 @47969 has 39 MA's), (35, 48239), (48, 48347), (50, 48386), (57, 48401),

Gene: Dynamite_85 Start: 49942, Stop: 50346, Start Num: 15

Candidate Starts for Dynamite_85:

(Start: 15 @49942 has 19 MA's), (17, 49978), (22, 50056), (24, 50089), (29, 50149), (33, 50185), (37, 50239), (46, 50311),

Gene: Egad_77 Start: 48243, Stop: 48707, Start Num: 14

Candidate Starts for Egad_77:

(Start: 14 @48243 has 39 MA's), (35, 48513), (48, 48621), (50, 48660), (57, 48675),

Gene: ElephantMan_76 Start: 50779, Stop: 51252, Start Num: 14

Candidate Starts for ElephantMan_76:

(Start: 14 @50779 has 39 MA's), (19, 50839), (42, 51136), (55, 51220),

Gene: Elsa_85 Start: 50574, Stop: 50978, Start Num: 15

Candidate Starts for Elsa_85:

(Start: 15 @50574 has 19 MA's), (17, 50610), (22, 50688), (24, 50721), (29, 50781), (33, 50817), (37, 50871), (46, 50943),

Gene: GoCrazy_82 Start: 49202, Stop: 49606, Start Num: 15

Candidate Starts for GoCrazy_82:

(Start: 15 @49202 has 19 MA's), (17, 49238), (22, 49316), (24, 49349), (29, 49409), (33, 49445), (37, 49499), (46, 49571),

Gene: Gordon_72 Start: 50418, Stop: 50885, Start Num: 14

Candidate Starts for Gordon_72:

(Start: 14 @50418 has 39 MA's), (19, 50478), (27, 50619), (42, 50766), (51, 50838), (55, 50850), (60, 50871),

Gene: GurgleFerb_53 Start: 43181, Stop: 42777, Start Num: 14

Candidate Starts for GurgleFerb_53:

(Start: 14 @43181 has 39 MA's), (26, 42992), (27, 42971), (30, 42950), (34, 42905), (44, 42806),

Gene: Hankly_85 Start: 49580, Stop: 49984, Start Num: 15

Candidate Starts for Hankly_85:

(Start: 15 @49580 has 19 MA's), (17, 49616), (22, 49694), (24, 49727), (29, 49787), (33, 49823), (37, 49877), (46, 49949),

Gene: Heisenberger_84 Start: 49831, Stop: 50235, Start Num: 15

Candidate Starts for Heisenberger_84:

(Start: 15 @49831 has 19 MA's), (17, 49867), (22, 49945), (24, 49978), (29, 50038), (33, 50074), (37, 50128), (46, 50200),

Gene: HerbBucket_76 Start: 47969, Stop: 48433, Start Num: 14

Candidate Starts for HerbBucket_76:

(Start: 14 @47969 has 39 MA's), (35, 48239), (48, 48347), (50, 48386), (57, 48401),

Gene: Ingrid_82 Start: 50381, Stop: 50857, Start Num: 14

Candidate Starts for Ingrid_82:

(Start: 14 @50381 has 39 MA's), (31, 50603), (42, 50729), (45, 50741), (55, 50813), (58, 50819),

Gene: Inked_82 Start: 51097, Stop: 51561, Start Num: 14

Candidate Starts for Inked_82:

(Start: 14 @51097 has 39 MA's), (35, 51367), (53, 51523),

Gene: Issa_73 Start: 49586, Stop: 50062, Start Num: 14

Candidate Starts for Issa_73:

(Start: 14 @49586 has 39 MA's), (25, 49763), (27, 49787), (42, 49943), (55, 50027),

Gene: JEGGS_84 Start: 49910, Stop: 50314, Start Num: 15

Candidate Starts for JEGGS_84:

(Start: 15 @49910 has 19 MA's), (17, 49946), (22, 50024), (24, 50057), (29, 50117), (33, 50153), (37, 50207), (46, 50279),

Gene: Jasmine_56 Start: 44695, Stop: 44300, Start Num: 13

Candidate Starts for Jasmine_56:

(Start: 13 @44695 has 1 MA's), (30, 44461), (34, 44416), (39, 44371), (44, 44320),

Gene: Kardesai_85 Start: 49517, Stop: 49921, Start Num: 15

Candidate Starts for Kardesai_85:

(Start: 15 @49517 has 19 MA's), (17, 49553), (22, 49631), (24, 49664), (29, 49724), (33, 49760), (37, 49814), (46, 49886),

Gene: KeaneyLin_82 Start: 49645, Stop: 50049, Start Num: 15

Candidate Starts for KeaneyLin_82:

(Start: 15 @49645 has 19 MA's), (17, 49681), (22, 49759), (24, 49792), (29, 49852), (33, 49888), (37, 49942), (46, 50014),

Gene: Leathea_86 Start: 48939, Stop: 49490, Start Num: 11

Candidate Starts for Leathea_86:

(9, 48924), (11, 48939), (16, 49029), (18, 49056), (21, 49110), (26, 49194), (35, 49278), (38, 49308), (41, 49353), (47, 49380), (49, 49389), (52, 49437), (54, 49440), (56, 49443), (59, 49455), (62, 49473),

Gene: Linda_77 Start: 48256, Stop: 48720, Start Num: 14

Candidate Starts for Linda_77:

(Start: 14 @48256 has 39 MA's), (35, 48526), (48, 48634), (50, 48673), (57, 48688),

Gene: Loretta_78 Start: 50381, Stop: 50857, Start Num: 14

Candidate Starts for Loretta_78:

(Start: 14 @50381 has 39 MA's), (31, 50603), (42, 50729), (45, 50741), (55, 50813), (58, 50819),

Gene: LucySwiss_75 Start: 49844, Stop: 50320, Start Num: 14

Candidate Starts for LucySwiss_75:

(Start: 14 @49844 has 39 MA's), (19, 49904), (42, 50201), (55, 50285),

Gene: Michelle_77 Start: 48273, Stop: 48737, Start Num: 14

Candidate Starts for Michelle_77:

(Start: 14 @48273 has 39 MA's), (35, 48543), (48, 48651), (50, 48690), (57, 48705),

Gene: MiniBagel_76 Start: 50519, Stop: 50995, Start Num: 14

Candidate Starts for MiniBagel_76:

(Start: 14 @50519 has 39 MA's), (25, 50696), (27, 50720), (42, 50876), (55, 50960),

Gene: Mooshroom_86 Start: 49517, Stop: 49921, Start Num: 15

Candidate Starts for Mooshroom_86:

(Start: 15 @49517 has 19 MA's), (17, 49553), (22, 49631), (24, 49664), (29, 49724), (33, 49760), (37, 49814), (46, 49886),

Gene: MrAaronian_77 Start: 48273, Stop: 48737, Start Num: 14

Candidate Starts for MrAaronian_77:

(Start: 14 @48273 has 39 MA's), (35, 48543), (48, 48651), (50, 48690), (57, 48705),

Gene: Mudcat_81 Start: 51268, Stop: 51672, Start Num: 15

Candidate Starts for Mudcat_81:

(Start: 15 @51268 has 19 MA's), (17, 51304), (22, 51382), (24, 51415), (29, 51475), (33, 51511), (37, 51565), (46, 51637),

Gene: NapoleonB_86 Start: 49942, Stop: 50346, Start Num: 15

Candidate Starts for NapoleonB_86:

(Start: 15 @49942 has 19 MA's), (17, 49978), (22, 50056), (24, 50089), (29, 50149), (33, 50185), (37, 50239), (46, 50311),

Gene: Nason_85 Start: 50574, Stop: 50978, Start Num: 15

Candidate Starts for Nason_85:

(Start: 15 @50574 has 19 MA's), (17, 50610), (22, 50688), (24, 50721), (29, 50781), (33, 50817), (37, 50871), (46, 50943),

Gene: Natasha_82 Start: 48586, Stop: 49020, Start Num: 14

Candidate Starts for Natasha_82:

(Start: 14 @48586 has 39 MA's), (23, 48748), (32, 48841), (34, 48865), (43, 48958),

Gene: Nellie_53 Start: 43182, Stop: 42778, Start Num: 14

Candidate Starts for Nellie_53:

(Start: 14 @43182 has 39 MA's), (26, 42993), (27, 42972), (30, 42951), (34, 42906), (44, 42807),

Gene: Nightmare_77 Start: 50946, Stop: 51422, Start Num: 14

Candidate Starts for Nightmare_77:

(12, 50898), (Start: 14 @50946 has 39 MA's), (19, 51006), (27, 51147), (42, 51303), (55, 51387),

Gene: Niktson_76 Start: 50779, Stop: 51252, Start Num: 14

Candidate Starts for Niktson_76:

(Start: 14 @50779 has 39 MA's), (19, 50839), (42, 51136), (55, 51220),

Gene: Nivinsha_77 Start: 50059, Stop: 50526, Start Num: 14

Candidate Starts for Nivinsha_77:

(Start: 14 @50059 has 39 MA's), (19, 50119), (27, 50260), (40, 50371), (42, 50407), (61, 50515),

Gene: Powelldog_82 Start: 49417, Stop: 49851, Start Num: 14

Candidate Starts for Powelldog_82:

(1, 49252), (5, 49312), (8, 49330), (Start: 14 @49417 has 39 MA's), (20, 49513), (25, 49606), (27, 49630), (32, 49672), (34, 49696), (36, 49708), (42, 49783),

Gene: ProfFrink_77 Start: 48242, Stop: 48706, Start Num: 14

Candidate Starts for ProfFrink_77:

(Start: 14 @48242 has 39 MA's), (35, 48512), (48, 48620), (50, 48659), (57, 48674),

Gene: Raunak_78 Start: 47952, Stop: 48416, Start Num: 14

Candidate Starts for Raunak_78:

(Start: 14 @47952 has 39 MA's), (35, 48222), (48, 48330), (50, 48369), (57, 48384),

Gene: RustyBoy_82 Start: 48785, Stop: 49219, Start Num: 14

Candidate Starts for RustyBoy_82:

(Start: 14 @48785 has 39 MA's), (23, 48947), (32, 49040), (34, 49064), (43, 49157),

Gene: Salk_77 Start: 48256, Stop: 48720, Start Num: 14

Candidate Starts for Salk_77:

(Start: 14 @48256 has 39 MA's), (35, 48526), (48, 48634), (50, 48673), (57, 48688),

Gene: ScienceWizSam_77 Start: 50177, Stop: 50644, Start Num: 14

Candidate Starts for ScienceWizSam_77:

(Start: 14 @50177 has 39 MA's), (19, 50237), (42, 50525), (55, 50609), (61, 50633),

Gene: Shiba_76 Start: 47968, Stop: 48432, Start Num: 14

Candidate Starts for Shiba_76:

(Start: 14 @47968 has 39 MA's), (35, 48238), (50, 48385), (57, 48400),

Gene: Sloopyjoe_77 Start: 48275, Stop: 48739, Start Num: 14

Candidate Starts for Sloopyjoe_77:

(Start: 14 @48275 has 39 MA's), (35, 48545), (48, 48653), (50, 48692), (57, 48707),

Gene: Sporto_76 Start: 49277, Stop: 49711, Start Num: 14

Candidate Starts for Sporto_76:

(10, 49196), (Start: 14 @49277 has 39 MA's), (18, 49328), (23, 49439), (32, 49532), (34, 49556), (42, 49643), (43, 49649),

Gene: StarLord_77 Start: 48268, Stop: 48732, Start Num: 14

Candidate Starts for StarLord_77:

(Start: 14 @48268 has 39 MA's), (35, 48538), (48, 48646), (50, 48685), (57, 48700),

Gene: Stayer_77 Start: 48271, Stop: 48735, Start Num: 14

Candidate Starts for Stayer_77:

(Start: 14 @48271 has 39 MA's), (35, 48541), (48, 48649), (50, 48688), (57, 48703),

Gene: Synopsis_71 Start: 49985, Stop: 50452, Start Num: 14

Candidate Starts for Synopsis_71:

(Start: 14 @49985 has 39 MA's), (19, 50045), (27, 50186), (40, 50297), (42, 50333),

Gene: Tatanka_70 Start: 50163, Stop: 50630, Start Num: 14

Candidate Starts for Tatanka_70:

(Start: 14 @50163 has 39 MA's), (19, 50223), (28, 50373), (42, 50511), (55, 50595), (61, 50619),

Gene: Teacup_77 Start: 50837, Stop: 51313, Start Num: 14

Candidate Starts for Teacup_77:

(12, 50789), (Start: 14 @50837 has 39 MA's), (27, 51038), (42, 51194), (55, 51278),

Gene: Tenno_75 Start: 50552, Stop: 51028, Start Num: 14

Candidate Starts for Tenno_75:

(Start: 14 @50552 has 39 MA's), (25, 50729), (27, 50753), (42, 50909), (55, 50993),

Gene: Tribby_87 Start: 50701, Stop: 51105, Start Num: 15

Candidate Starts for Tribby_87:

(Start: 15 @50701 has 19 MA's), (17, 50737), (22, 50815), (24, 50848), (29, 50908), (33, 50944), (37, 50998), (46, 51070),

Gene: Trustiboi_74 Start: 50266, Stop: 50733, Start Num: 14

Candidate Starts for Trustiboi_74:

(Start: 14 @50266 has 39 MA's), (19, 50326), (27, 50467), (40, 50578), (42, 50614), (55, 50698),

Gene: Xenomorph_80 Start: 50228, Stop: 50632, Start Num: 15

Candidate Starts for Xenomorph_80:

(Start: 15 @50228 has 19 MA's), (17, 50264), (22, 50342), (24, 50375), (29, 50435), (33, 50471), (37, 50525), (46, 50597),

Gene: Zippen_81 Start: 50971, Stop: 51435, Start Num: 14

Candidate Starts for Zippen_81:

(Start: 14 @50971 has 39 MA's), (35, 51241), (53, 51397),