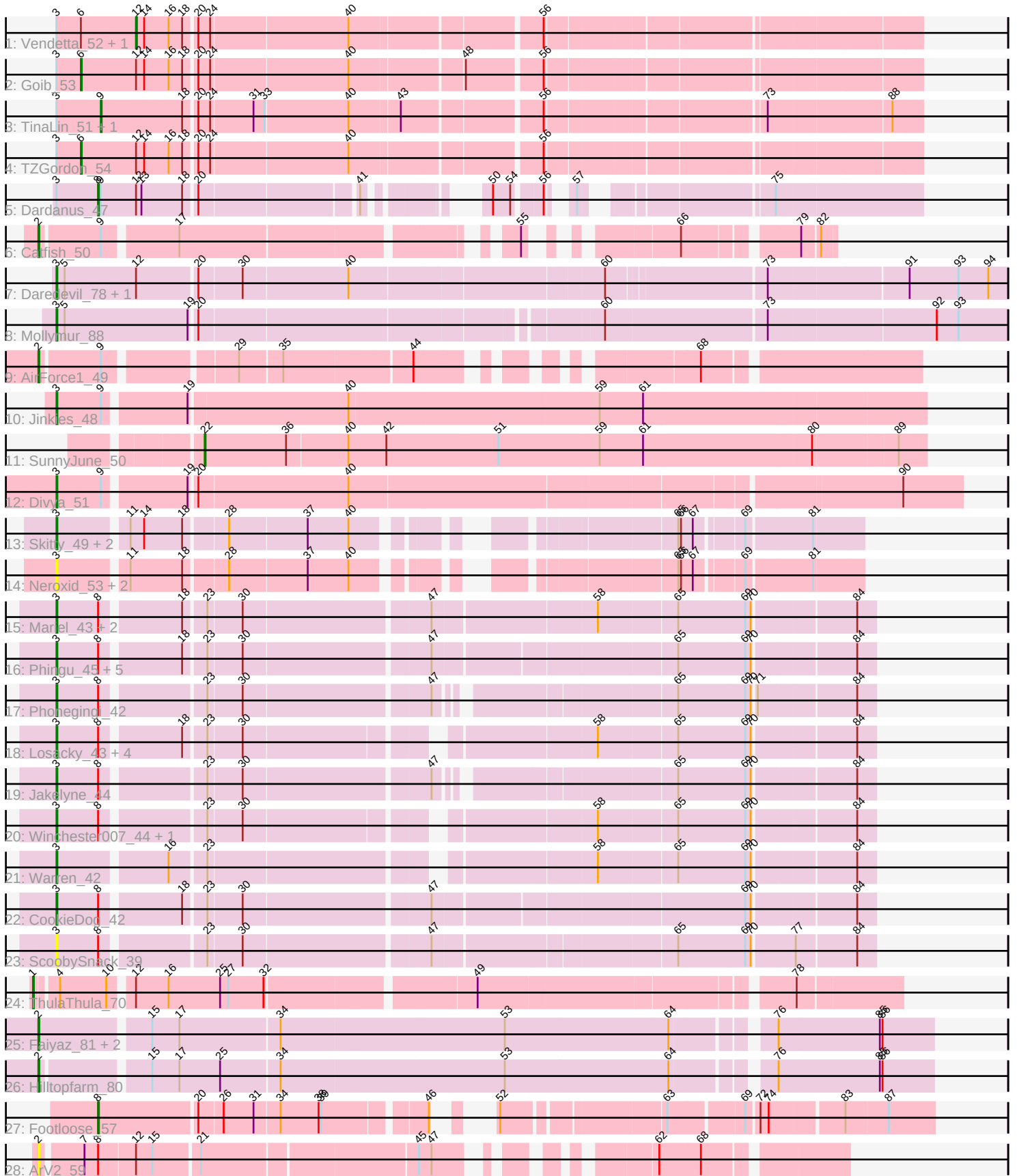


Pham 330957



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 330957 Report

This analysis was run 09/05/26 on database version 662.

Pham number 330957 has 49 members, 9 are drafts.

Phages represented in each track:

- Track 1 : Vendetta_52, Splinter_52
- Track 2 : Goib_53
- Track 3 : TinaLin_51, Banquo_51
- Track 4 : TZGordon_54
- Track 5 : Dardanus_47
- Track 6 : Catfish_50
- Track 7 : Daredevil_78, Towmatter_78
- Track 8 : Mollymur_88
- Track 9 : AirForce1_49
- Track 10 : Jinkies_48
- Track 11 : SunnyJune_50
- Track 12 : Divya_51
- Track 13 : Skitty_49, Merpity_56, MrSmee_55
- Track 14 : Neroxid_53, Raya_53, Skyerus_48
- Track 15 : Mariel_43, MenE_43, Antuna_43
- Track 16 : Phingu_45, Blett_42, Violeta_44, Carrillo_44, Bush_43, NCRodriguez_44
- Track 17 : Phonegingi_42
- Track 18 : Losacky_43, PhillyJawn_43, Guzman_42, Dropshot_42, Appa_42
- Track 19 : Jakelyne_44
- Track 20 : Winchester007_44, Pickles13_41
- Track 21 : Warren_42
- Track 22 : CookieDog_42
- Track 23 : ScoobySnack_39
- Track 24 : ThulaThula_70
- Track 25 : Faiyaz_81, AuntGwenStacy_80, Typha_79
- Track 26 : Hilltopfarm_80
- Track 27 : Footloose_57
- Track 28 : ArV2_59

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

The start number called the most often in the published annotations is 3, it was called in 24 of the 40 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

• Antuna_43, Appa_42, Blett_42, Bush_43, Carrillo_44, CookieDog_42, Daredevil_78, Divya_51, Dropshot_42, Guzman_42, Jakelyne_44, Jinkies_48, Losacky_43, Mariel_43, MenE_43, Merpity_56, Mollymur_88, MrSmee_55, NCRodriguez_44, Neroxid_53, PhillyJawn_43, Phingu_45, Phonegingi_42, Pickles13_41, Raya_53, ScoobySnack_39, Skitty_49, Skyerus_48, Towmatter_78, Violeta_44, Warren_42, Winchester007_44,

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

• Banquo_51, Dardanus_47, Goib_53, Splinter_52, TZGordon_54, TinaLin_51, Vendetta_52,

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

• AirForce1_49, ArV2_59, AuntGwenStacy_80, Catfish_50, Faiyaz_81, Footloose_57, Hilltopfarm_80, SunnyJune_50, ThulaThula_70, Typha_79,

Summary by start number:

Start 1:

- Found in 1 of 49 (2.0%) of genes in pham
- Manual Annotations of this start: 1 of 40
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ThulaThula_70 (P5),

Start 2:

- Found in 7 of 49 (14.3%) of genes in pham
- Manual Annotations of this start: 6 of 40
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AirForce1_49 (FL), ArV2_59 (singleton), AuntGwenStacy_80 (Y), Catfish_50 (CU5), Faiyaz_81 (Y), Hilltopfarm_80 (Y), Typha_79 (Y),

Start 3:

- Found in 39 of 49 (79.6%) of genes in pham
- Manual Annotations of this start: 24 of 40
- Called 82.1% of time when present
- Phage (with cluster) where this start called: Antuna_43 (GA), Appa_42 (GA), Blett_42 (GA), Bush_43 (GA), Carrillo_44 (GA), CookieDog_42 (GA), Daredevil_78 (DL), Divya_51 (FL), Dropshot_42 (GA), Guzman_42 (GA), Jakelyne_44 (GA), Jinkies_48 (FL), Losacky_43 (GA), Mariel_43 (GA), MenE_43 (GA), Merpity_56 (FQ1), Mollymur_88 (DL), MrSmee_55 (FQ1), NCRodriguez_44 (GA), Neroxid_53 (FQ2), PhillyJawn_43 (GA), Phingu_45 (GA), Phonegingi_42 (GA), Pickles13_41 (GA), Raya_53 (FQ2), ScoobySnack_39 (GA), Skitty_49 (FQ1), Skyerus_48 (FQ2), Towmatter_78 (DL), Violeta_44 (GA), Warren_42 (GA), Winchester007_44 (GA),

Start 6:

- Found in 4 of 49 (8.2%) of genes in pham
- Manual Annotations of this start: 2 of 40
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Goib_53 (CU1), TZGordon_54 (CU1),

Start 8:

- Found in 23 of 49 (46.9%) of genes in pham

- Manual Annotations of this start: 2 of 40
- Called 8.7% of time when present
- Phage (with cluster) where this start called: Dardanus_47 (CU3), Footloose_57 (singleton),

Start 9:

- Found in 7 of 49 (14.3%) of genes in pham
- Manual Annotations of this start: 2 of 40
- Called 28.6% of time when present
- Phage (with cluster) where this start called: Banquo_51 (CU1), TinaLin_51 (CU1),

Start 12:

- Found in 9 of 49 (18.4%) of genes in pham
- Manual Annotations of this start: 2 of 40
- Called 22.2% of time when present
- Phage (with cluster) where this start called: Splinter_52 (CU1), Vendetta_52 (CU1),

Start 22:

- Found in 1 of 49 (2.0%) of genes in pham
- Manual Annotations of this start: 1 of 40
- Called 100.0% of time when present
- Phage (with cluster) where this start called: SunnyJune_50 (FL),

Summary by clusters:

There are 11 clusters represented in this pham: DL, CU3, CU1, P5, CU5, Y, GA, FQ2, singleton, FQ1, FL,

Info for manual annotations of cluster CU1:

- Start number 6 was manually annotated 2 times for cluster CU1.
- Start number 9 was manually annotated 2 times for cluster CU1.
- Start number 12 was manually annotated 2 times for cluster CU1.

Info for manual annotations of cluster CU3:

- Start number 8 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU5:

- Start number 2 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster DL:

- Start number 3 was manually annotated 3 times for cluster DL.

Info for manual annotations of cluster FL:

- Start number 2 was manually annotated 1 time for cluster FL.
- Start number 3 was manually annotated 2 times for cluster FL.
- Start number 22 was manually annotated 1 time for cluster FL.

Info for manual annotations of cluster FQ1:

- Start number 3 was manually annotated 2 times for cluster FQ1.

Info for manual annotations of cluster GA:

- Start number 3 was manually annotated 17 times for cluster GA.

Info for manual annotations of cluster P5:

- Start number 1 was manually annotated 1 time for cluster P5.

Info for manual annotations of cluster Y:

- Start number 2 was manually annotated 4 times for cluster Y.

Gene Information:

Gene: AirForce1_49 Start: 34022, Stop: 34846, Start Num: 2

Candidate Starts for AirForce1_49:

(Start: 2 @34022 has 6 MA's), (Start: 9 @34085 has 2 MA's), (29, 34214), (35, 34259), (44, 34394), (68, 34622),

Gene: Antuna_43 Start: 26101, Stop: 26937, Start Num: 3

Candidate Starts for Antuna_43:

(Start: 3 @26101 has 24 MA's), (Start: 8 @26146 has 2 MA's), (18, 26227), (23, 26248), (30, 26284), (47, 26479), (58, 26650), (65, 26734), (69, 26806), (70, 26812), (84, 26917),

Gene: Appa_42 Start: 26023, Stop: 26835, Start Num: 3

Candidate Starts for Appa_42:

(Start: 3 @26023 has 24 MA's), (Start: 8 @26068 has 2 MA's), (18, 26149), (23, 26170), (30, 26206), (58, 26548), (65, 26632), (69, 26704), (70, 26710), (84, 26815),

Gene: ArV2_59 Start: 32108, Stop: 32857, Start Num: 2

Candidate Starts for ArV2_59:

(Start: 2 @32108 has 6 MA's), (7, 32150), (Start: 8 @32165 has 2 MA's), (Start: 12 @32204 has 2 MA's), (15, 32222), (21, 32270), (45, 32495), (47, 32507), (62, 32669), (68, 32714),

Gene: AuntGwenStacy_80 Start: 52711, Stop: 53646, Start Num: 2

Candidate Starts for AuntGwenStacy_80:

(Start: 2 @52711 has 6 MA's), (15, 52825), (17, 52855), (34, 52963), (53, 53206), (64, 53383), (76, 53476), (85, 53587), (86, 53590),

Gene: Banquo_51 Start: 32896, Stop: 33726, Start Num: 9

Candidate Starts for Banquo_51:

(Start: 3 @32848 has 24 MA's), (Start: 9 @32896 has 2 MA's), (18, 32986), (20, 32998), (24, 33010), (31, 33055), (33, 33067), (40, 33157), (43, 33208), (56, 33349), (73, 33565), (88, 33694),

Gene: Blett_42 Start: 26203, Stop: 27036, Start Num: 3

Candidate Starts for Blett_42:

(Start: 3 @26203 has 24 MA's), (Start: 8 @26248 has 2 MA's), (18, 26329), (23, 26350), (30, 26386), (47, 26581), (65, 26833), (69, 26905), (70, 26911), (84, 27016),

Gene: Bush_43 Start: 26151, Stop: 26984, Start Num: 3

Candidate Starts for Bush_43:

(Start: 3 @26151 has 24 MA's), (Start: 8 @26196 has 2 MA's), (18, 26277), (23, 26298), (30, 26334), (47, 26529), (65, 26781), (69, 26853), (70, 26859), (84, 26964),

Gene: Carrillo_44 Start: 26124, Stop: 26957, Start Num: 3

Candidate Starts for Carrillo_44:

(Start: 3 @26124 has 24 MA's), (Start: 8 @26169 has 2 MA's), (18, 26250), (23, 26271), (30, 26307), (47, 26502), (65, 26754), (69, 26826), (70, 26832), (84, 26937),

Gene: Catfish_50 Start: 34417, Stop: 35127, Start Num: 2

Candidate Starts for Catfish_50:

(Start: 2 @34417 has 6 MA's), (Start: 9 @34480 has 2 MA's), (17, 34555), (55, 34873), (66, 34987), (79, 35095), (82, 35113),

Gene: CookieDog_42 Start: 26124, Stop: 26957, Start Num: 3

Candidate Starts for CookieDog_42:

(Start: 3 @26124 has 24 MA's), (Start: 8 @26169 has 2 MA's), (18, 26250), (23, 26271), (30, 26307), (47, 26502), (69, 26826), (70, 26832), (84, 26937),

Gene: Dardanus_47 Start: 31666, Stop: 32385, Start Num: 8

Candidate Starts for Dardanus_47:

(Start: 3 @31621 has 24 MA's), (Start: 8 @31666 has 2 MA's), (Start: 9 @31669 has 2 MA's), (Start: 12 @31708 has 2 MA's), (13, 31714), (18, 31759), (20, 31771), (41, 31930), (50, 32008), (54, 32026), (56, 32053), (57, 32065), (75, 32230),

Gene: Daredevil_78 Start: 56200, Stop: 55208, Start Num: 3

Candidate Starts for Daredevil_78:

(Start: 3 @56200 has 24 MA's), (5, 56191), (Start: 12 @56113 has 2 MA's), (20, 56050), (30, 56005), (40, 55891), (60, 55624), (73, 55462), (91, 55315), (93, 55261), (94, 55228),

Gene: Divya_51 Start: 34928, Stop: 35869, Start Num: 3

Candidate Starts for Divya_51:

(Start: 3 @34928 has 24 MA's), (Start: 9 @34976 has 2 MA's), (19, 35060), (20, 35066), (40, 35228), (90, 35804),

Gene: Dropshot_42 Start: 25858, Stop: 26670, Start Num: 3

Candidate Starts for Dropshot_42:

(Start: 3 @25858 has 24 MA's), (Start: 8 @25903 has 2 MA's), (18, 25984), (23, 26005), (30, 26041), (58, 26383), (65, 26467), (69, 26539), (70, 26545), (84, 26650),

Gene: Faiyaz_81 Start: 52717, Stop: 53652, Start Num: 2

Candidate Starts for Faiyaz_81:

(Start: 2 @52717 has 6 MA's), (15, 52831), (17, 52861), (34, 52969), (53, 53212), (64, 53389), (76, 53482), (85, 53593), (86, 53596),

Gene: Footloose_57 Start: 32676, Stop: 33455, Start Num: 8

Candidate Starts for Footloose_57:

(Start: 8 @32676 has 2 MA's), (20, 32781), (26, 32805), (31, 32838), (34, 32865), (38, 32907), (39, 32910), (46, 33012), (52, 33027), (63, 33189), (69, 33264), (72, 33276), (74, 33285), (83, 33360), (87, 33405),

Gene: Goib_53 Start: 33944, Stop: 34795, Start Num: 6

Candidate Starts for Goib_53:

(Start: 3 @33917 has 24 MA's), (Start: 6 @33944 has 2 MA's), (Start: 12 @34004 has 2 MA's), (14, 34013), (16, 34040), (18, 34055), (20, 34067), (24, 34079), (40, 34226), (48, 34340), (56, 34418),

Gene: Guzman_42 Start: 26122, Stop: 26934, Start Num: 3

Candidate Starts for Guzman_42:

(Start: 3 @26122 has 24 MA's), (Start: 8 @26167 has 2 MA's), (18, 26248), (23, 26269), (30, 26305), (58, 26647), (65, 26731), (69, 26803), (70, 26809), (84, 26914),

Gene: Hilltopfarm_80 Start: 52417, Stop: 53346, Start Num: 2

Candidate Starts for Hilltopfarm_80:

(Start: 2 @52417 has 6 MA's), (15, 52525), (17, 52555), (25, 52600), (34, 52663), (53, 52906), (64, 53083), (76, 53176), (85, 53287), (86, 53290),

Gene: Jakelyne_44 Start: 26233, Stop: 27045, Start Num: 3

Candidate Starts for Jakelyne_44:

(Start: 3 @26233 has 24 MA's), (Start: 8 @26278 has 2 MA's), (23, 26380), (30, 26416), (47, 26611), (65, 26842), (69, 26914), (70, 26920), (84, 27025),

Gene: Jinkies_48 Start: 35024, Stop: 35947, Start Num: 3

Candidate Starts for Jinkies_48:

(Start: 3 @35024 has 24 MA's), (Start: 9 @35072 has 2 MA's), (19, 35156), (40, 35324), (59, 35594), (61, 35642),

Gene: Losacky_43 Start: 26243, Stop: 27055, Start Num: 3

Candidate Starts for Losacky_43:

(Start: 3 @26243 has 24 MA's), (Start: 8 @26288 has 2 MA's), (18, 26369), (23, 26390), (30, 26426), (58, 26768), (65, 26852), (69, 26924), (70, 26930), (84, 27035),

Gene: Mariel_43 Start: 26592, Stop: 27428, Start Num: 3

Candidate Starts for Mariel_43:

(Start: 3 @26592 has 24 MA's), (Start: 8 @26637 has 2 MA's), (18, 26718), (23, 26739), (30, 26775), (47, 26970), (58, 27141), (65, 27225), (69, 27297), (70, 27303), (84, 27408),

Gene: MenE_43 Start: 26123, Stop: 26959, Start Num: 3

Candidate Starts for MenE_43:

(Start: 3 @26123 has 24 MA's), (Start: 8 @26168 has 2 MA's), (18, 26249), (23, 26270), (30, 26306), (47, 26501), (58, 26672), (65, 26756), (69, 26828), (70, 26834), (84, 26939),

Gene: Merpity_56 Start: 32461, Stop: 33207, Start Num: 3

Candidate Starts for Merpity_56:

(Start: 3 @32461 has 24 MA's), (11, 32530), (14, 32545), (18, 32587), (28, 32629), (37, 32713), (40, 32758), (65, 33025), (66, 33028), (67, 33040), (69, 33085), (81, 33154),

Gene: Mollymur_88 Start: 61334, Stop: 60348, Start Num: 3

Candidate Starts for Mollymur_88:

(Start: 3 @61334 has 24 MA's), (5, 61325), (19, 61190), (20, 61184), (60, 60773), (73, 60602), (92, 60425), (93, 60401),

Gene: MrSmee_55 Start: 32435, Stop: 33181, Start Num: 3

Candidate Starts for MrSmee_55:

(Start: 3 @32435 has 24 MA's), (11, 32504), (14, 32519), (18, 32561), (28, 32603), (37, 32687), (40, 32732), (65, 32999), (66, 33002), (67, 33014), (69, 33059), (81, 33128),

Gene: NCRodriguez_44 Start: 26345, Stop: 27178, Start Num: 3

Candidate Starts for NCRodriguez_44:

(Start: 3 @26345 has 24 MA's), (Start: 8 @26390 has 2 MA's), (18, 26471), (23, 26492), (30, 26528), (47, 26723), (65, 26975), (69, 27047), (70, 27053), (84, 27158),

Gene: Neroxid_53 Start: 31455, Stop: 32201, Start Num: 3

Candidate Starts for Neroxid_53:

(Start: 3 @31455 has 24 MA's), (11, 31524), (18, 31581), (28, 31623), (37, 31707), (40, 31752), (65, 32019), (66, 32022), (67, 32034), (69, 32079), (81, 32148),

Gene: PhillyJawn_43 Start: 26020, Stop: 26832, Start Num: 3

Candidate Starts for PhillyJawn_43:

(Start: 3 @26020 has 24 MA's), (Start: 8 @26065 has 2 MA's), (18, 26146), (23, 26167), (30, 26203), (58, 26545), (65, 26629), (69, 26701), (70, 26707), (84, 26812),

Gene: Phingu_45 Start: 26236, Stop: 27069, Start Num: 3

Candidate Starts for Phingu_45:

(Start: 3 @26236 has 24 MA's), (Start: 8 @26281 has 2 MA's), (18, 26362), (23, 26383), (30, 26419), (47, 26614), (65, 26866), (69, 26938), (70, 26944), (84, 27049),

Gene: Phonegingi_42 Start: 26069, Stop: 26881, Start Num: 3

Candidate Starts for Phonegingi_42:

(Start: 3 @26069 has 24 MA's), (Start: 8 @26114 has 2 MA's), (23, 26216), (30, 26252), (47, 26447), (65, 26678), (69, 26750), (70, 26756), (71, 26759), (84, 26861),

Gene: Pickles13_41 Start: 26333, Stop: 27145, Start Num: 3

Candidate Starts for Pickles13_41:

(Start: 3 @26333 has 24 MA's), (Start: 8 @26378 has 2 MA's), (23, 26480), (30, 26516), (58, 26858), (65, 26942), (69, 27014), (70, 27020), (84, 27125),

Gene: Raya_53 Start: 31455, Stop: 32201, Start Num: 3

Candidate Starts for Raya_53:

(Start: 3 @31455 has 24 MA's), (11, 31524), (18, 31581), (28, 31623), (37, 31707), (40, 31752), (65, 32019), (66, 32022), (67, 32034), (69, 32079), (81, 32148),

Gene: ScoobySnack_39 Start: 25838, Stop: 26671, Start Num: 3

Candidate Starts for ScoobySnack_39:

(Start: 3 @25838 has 24 MA's), (Start: 8 @25883 has 2 MA's), (23, 25985), (30, 26021), (47, 26216), (65, 26468), (69, 26540), (70, 26546), (77, 26588), (84, 26651),

Gene: Skitty_49 Start: 30277, Stop: 31023, Start Num: 3

Candidate Starts for Skitty_49:

(Start: 3 @30277 has 24 MA's), (11, 30346), (14, 30361), (18, 30403), (28, 30445), (37, 30529), (40, 30574), (65, 30841), (66, 30844), (67, 30856), (69, 30901), (81, 30970),

Gene: Skyerus_48 Start: 29573, Stop: 30319, Start Num: 3

Candidate Starts for Skyerus_48:

(Start: 3 @29573 has 24 MA's), (11, 29642), (18, 29699), (28, 29741), (37, 29825), (40, 29870), (65, 30137), (66, 30140), (67, 30152), (69, 30197), (81, 30266),

Gene: Splinter_52 Start: 34027, Stop: 34818, Start Num: 12

Candidate Starts for Splinter_52:

(Start: 3 @33940 has 24 MA's), (Start: 6 @33967 has 2 MA's), (Start: 12 @34027 has 2 MA's), (14, 34036), (16, 34063), (18, 34078), (20, 34090), (24, 34102), (40, 34249), (56, 34441),

Gene: SunnyJune_50 Start: 34761, Stop: 35537, Start Num: 22

Candidate Starts for SunnyJune_50:

(Start: 22 @34761 has 1 MA's), (36, 34848), (40, 34911), (42, 34953), (51, 35076), (59, 35187), (61, 35235), (80, 35418), (89, 35508),

Gene: TZGordon_54 Start: 33313, Stop: 34164, Start Num: 6

Candidate Starts for TZGordon_54:

(Start: 3 @33286 has 24 MA's), (Start: 6 @33313 has 2 MA's), (Start: 12 @33373 has 2 MA's), (14, 33382), (16, 33409), (18, 33424), (20, 33436), (24, 33448), (40, 33595), (56, 33787),

Gene: ThulaThula_70 Start: 45355, Stop: 46230, Start Num: 1

Candidate Starts for ThulaThula_70:

(Start: 1 @45355 has 1 MA's), (4, 45376), (10, 45427), (Start: 12 @45448 has 2 MA's), (16, 45484), (25, 45541), (27, 45550), (32, 45589), (49, 45802), (78, 46120),

Gene: TinaLin_51 Start: 32790, Stop: 33620, Start Num: 9

Candidate Starts for TinaLin_51:

(Start: 3 @32742 has 24 MA's), (Start: 9 @32790 has 2 MA's), (18, 32880), (20, 32892), (24, 32904), (31, 32949), (33, 32961), (40, 33051), (43, 33102), (56, 33243), (73, 33459), (88, 33588),

Gene: Towmatter_78 Start: 56279, Stop: 55287, Start Num: 3

Candidate Starts for Towmatter_78:

(Start: 3 @56279 has 24 MA's), (5, 56270), (Start: 12 @56192 has 2 MA's), (20, 56129), (30, 56084), (40, 55970), (60, 55703), (73, 55541), (91, 55394), (93, 55340), (94, 55307),

Gene: Typha_79 Start: 52711, Stop: 53646, Start Num: 2

Candidate Starts for Typha_79:

(Start: 2 @52711 has 6 MA's), (15, 52825), (17, 52855), (34, 52963), (53, 53206), (64, 53383), (76, 53476), (85, 53587), (86, 53590),

Gene: Vendetta_52 Start: 34027, Stop: 34818, Start Num: 12

Candidate Starts for Vendetta_52:

(Start: 3 @33940 has 24 MA's), (Start: 6 @33967 has 2 MA's), (Start: 12 @34027 has 2 MA's), (14, 34036), (16, 34063), (18, 34078), (20, 34090), (24, 34102), (40, 34249), (56, 34441),

Gene: Violeta_44 Start: 26115, Stop: 26948, Start Num: 3

Candidate Starts for Violeta_44:

(Start: 3 @26115 has 24 MA's), (Start: 8 @26160 has 2 MA's), (18, 26241), (23, 26262), (30, 26298), (47, 26493), (65, 26745), (69, 26817), (70, 26823), (84, 26928),

Gene: Warren_42 Start: 26076, Stop: 26891, Start Num: 3

Candidate Starts for Warren_42:

(Start: 3 @26076 has 24 MA's), (16, 26187), (23, 26223), (58, 26604), (65, 26688), (69, 26760), (70, 26766), (84, 26871),

Gene: Winchester007_44 Start: 26158, Stop: 26970, Start Num: 3

Candidate Starts for Winchester007_44:

(Start: 3 @26158 has 24 MA's), (Start: 8 @26203 has 2 MA's), (23, 26305), (30, 26341), (58, 26683), (65, 26767), (69, 26839), (70, 26845), (84, 26950),