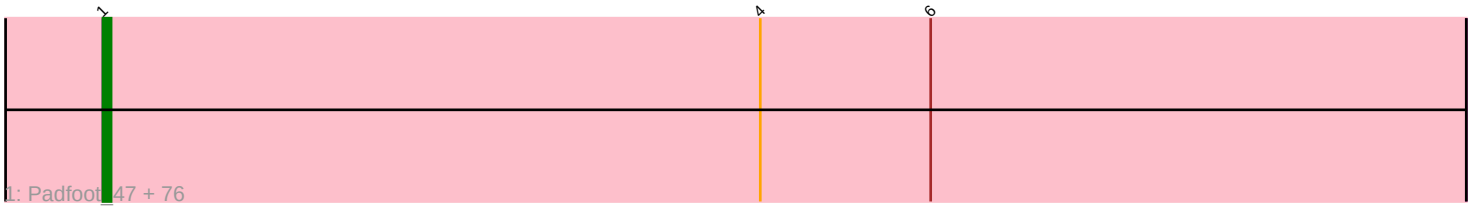
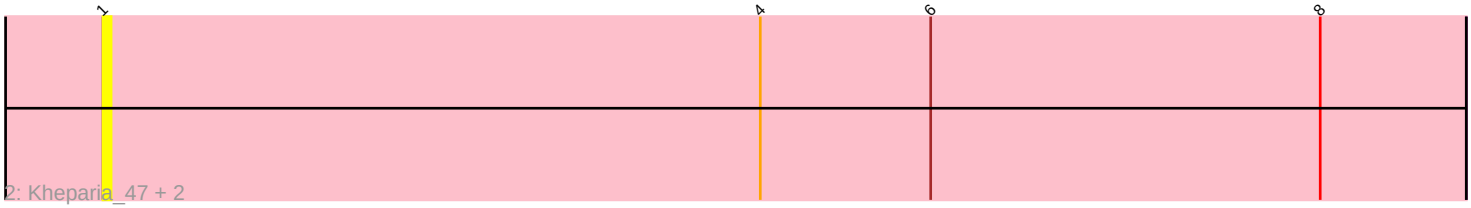
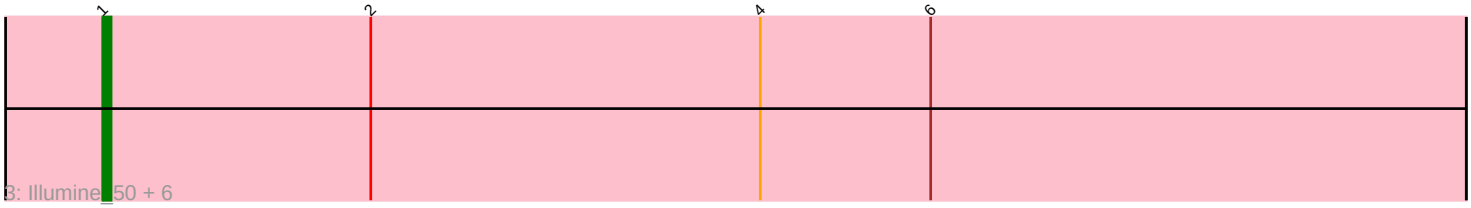
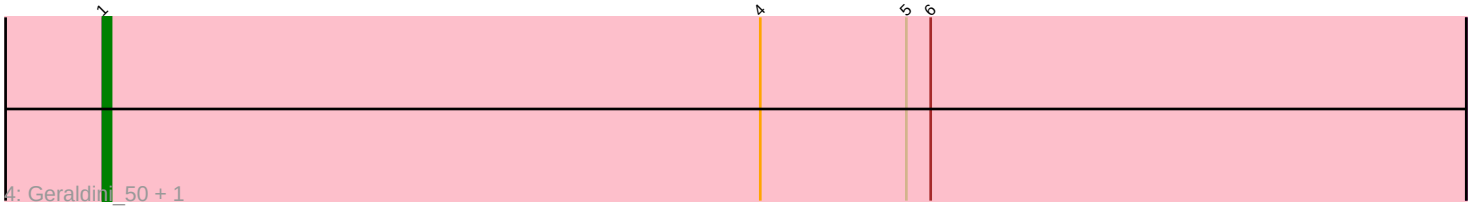
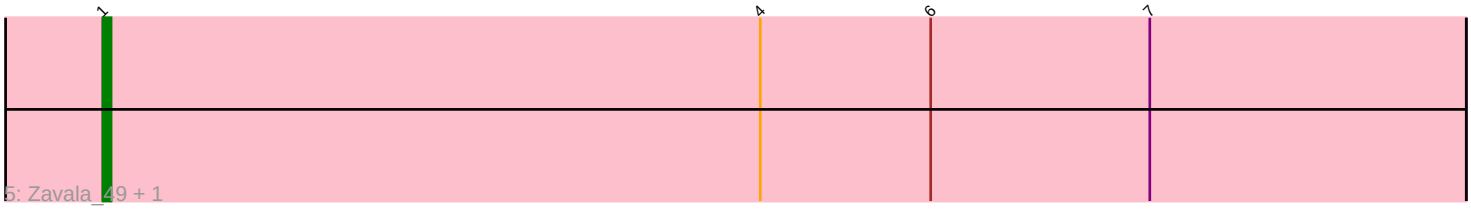
Pham 334465

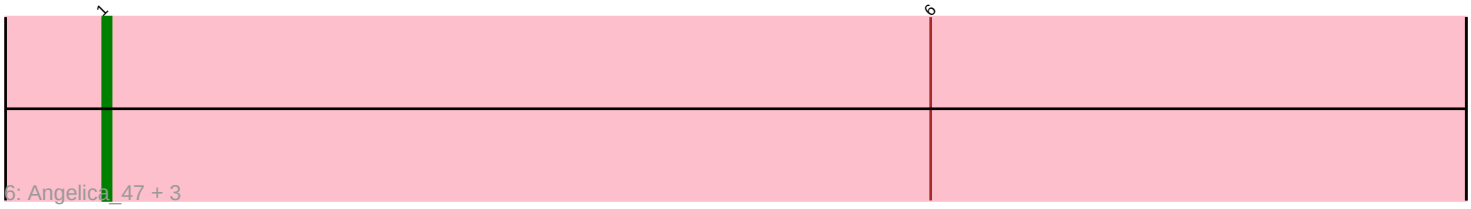

1
4
6
1: Padfoot_47 + 76

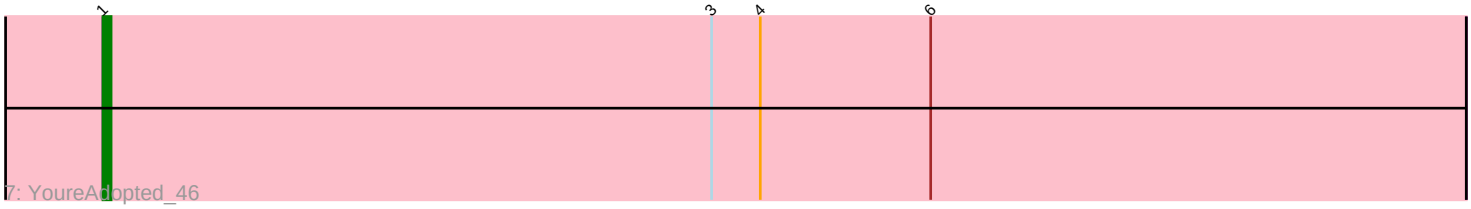

1
4
6
8
2: Kheparia_47 + 2


1
2
4
6
3: Illumine_50 + 6


1
4
5
6
4: Geraldine_50 + 1


1
4
6
7
5: Zavala_49 + 1


1
6
6: Angelica_47 + 3


1
3
4
6
7: YoureAdopted_46

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 334465 Report

This analysis was run 11/14/26 on database version 672.

Pham number 334465 has 96 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Padfoot_47, BGlluviae_47, ActinUp_47, Topper_47, Llorens_47, Jayhawk_48, Ramen_48, Efra2_50, Dalmuri_47, Hyperbowlee_47, CaseJules_49, Tiri_48, Jeckyll_47, Rosmarinus_47, MacKat_42, AlishaPH_47, CREW_47, Megsy_49, TruffulaTree_47, BaghaKamala_46, Boiiii_47, DartGoblin_49, Slimphazie_47, Bella96_48, Anma_48, Apocalypse_50, Joy99_47, Asayake_47, LindNT_46, CheetoDust_46, Bern_48, Blizzard_47, Zabiza_42, BarrelRoll_47, Atiba_48, Rapunzel97_48, Veliki_48, Adonis_47, BEEST_47, Urkel_48, Adephagia_47, Homura_47, Prithvi_48, Pokerus_46, TingHuaYa_48, Yunkel11_50, Padpat_49, Inky_47, Spock_47, JAWS_47, Lunahalos_47, Guanica15_50, Capricorn_47, TreyKay_48, Anaya_49, HedwigODU_47, Ganymede_48, LastHope_50, QuincyRose_46, CallaLilly_47, Curiosium_49, ShiaSurprise_48, Durfee_47, Piatt_47, Tachez_47, CrimD_47, SamuelLPlaqson_48, Clipper_50, Jarvi_47, Belladonna_47, Twitch_47, TiniBug_48, Peel_47, TaiwanKao_49, Emerson_48, DrHayes_48, Lokum_48
• Track 2 : Kheparia_47, Pisa4_41, Pisa1_47
• Track 3 : Illumine_50, LaterM_48, Ageofdapage_49, Stinson_48, Murucutumbu_48, Dole_50, Devera_52
• Track 4 : Geraldini_50, Beezoo_49
• Track 5 : Zavala_49, Mynx_48
• Track 6 : Angelica_47, MeaningOfLife_48, Deby_47, Sulley_47
• Track 7 : YoureAdopted_46

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

The start number called the most often in the published annotations is 1, it was called in 90 of the 90 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ActinUp_47, Adephagia_47, Adonis_47, Ageofdapage_49, AlishaPH_47, Anaya_49, Angelica_47, Anma_48, Apocalypse_50, Asayake_47, Atiba_48, BEEST_47, BGlluviae_47, BaghaKamala_46, BarrelRoll_47, Beezoo_49, Bella96_48, Belladonna_47, Bern_48, Blizzard_47, Boiiii_47, CREW_47, CallaLilly_47, Capricorn_47, CaseJules_49, CheetoDust_46, Clipper_50, CrimD_47, Curiosium_49, Dalmuri_47, DartGoblin_49, Deby_47, Devera_52, Dole_50, DrHayes_48, Durfee_47,

Efra2_50, Emerson_48, Ganymede_48, Geraldini_50, Guanica15_50, HedwigODU_47, Homura_47, Hyperbowlee_47, Illumine_50, Inky_47, JAWS_47, Jarvi_47, Jayhawk_48, Jeckyll_47, Joy99_47, Kheparia_47, LastHope_50, LaterM_48, LindNT_46, Llorens_47, Lokum_48, Lunahalos_47, MacKat_42, MeaningOfLife_48, Megsy_49, Murucutumbu_48, Mynx_48, Padfoot_47, Padpat_49, Peel_47, Piatt_47, Pisa1_47, Pisa4_41, Pokerus_46, Prithvi_48, QuincyRose_46, Ramen_48, Rapunzel97_48, Rosmarinus_47, SamuelLPlaqson_48, ShiaSurprise_48, Slimphazie_47, Spock_47, Stinson_48, Sulley_47, Tachez_47, TaiwanKao_49, TingHuaYa_48, TiniBug_48, Tiri_48, Topper_47, TreyKay_48, TruffulaTree_47, Twitch_47, Urkel_48, Veliki_48, YoureAdopted_46, Yunkel11_50, Zabiza_42, Zavala_49,

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 1:
• Found in 96 of 96 (100.0%) of genes in pham
• Manual Annotations of this start: 90 of 90
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ActinUp_47 (K1), Adephagia_47 (K1), Adonis_47 (K1), Ageofdapage_49 (K1), AlishaPH_47 (K1), Anaya_49 (K1), Angelica_47 (K1), Anma_48 (K1), Apocalypse_50 (K1), Asayake_47 (K1), Atiba_48 (K1), BEEST_47 (K1), BGlluviae_47 (K1), BaghaKamala_46 (K1), BarrelRoll_47 (K1), Beezoo_49 (K1), Bella96_48 (K1), Belladonna_47 (K1), Bern_48 (K1), Blizzard_47 (K1), Boiiii_47 (K1), CREW_47 (K1), CallaLilly_47 (K1), Capricorn_47 (K1), CaseJules_49 (K1), CheetoDust_46 (K1), Clipper_50 (K1), CrimD_47 (K1), Curiosium_49 (K1), Dalmuri_47 (K1), DartGoblin_49 (K1), Deby_47 (K1), Devera_52 (K1), Dole_50 (K1), DrHayes_48 (K1), Durfee_47 (K1), Efra2_50 (K1), Emerson_48 (K1), Ganymede_48 (K1), Geraldini_50 (K1), Guanica15_50 (K1), HedwigODU_47 (K1), Homura_47 (K1), Hyperbowlee_47 (K1), Illumine_50 (K1), Inky_47 (K1), JAWS_47 (K1), Jarvi_47 (K1), Jayhawk_48 (K1), Jeckyll_47 (K1), Joy99_47 (K1), Kheparia_47 (K1), LastHope_50 (K1), LaterM_48 (K1), LindNT_46 (K1), Llorens_47 (K1), Lokum_48 (K1), Lunahalos_47 (K1), MacKat_42 (K1), MeaningOfLife_48 (K1), Megsy_49 (K1), Murucutumbu_48 (K1), Mynx_48 (K1), Padfoot_47 (K1), Padpat_49 (K1), Peel_47 (K1), Piatt_47 (K1), Pisa1_47 (K1), Pisa4_41 (K1), Pokerus_46 (K1), Prithvi_48 (K1), QuincyRose_46 (K1), Ramen_48 (K1), Rapunzel97_48 (K1), Rosmarinus_47 (K1), SamuelLPlaqson_48 (K1), ShiaSurprise_48 (K1), Slimphazie_47 (K1), Spock_47 (K1), Stinson_48 (K1), Sulley_47 (K1), Tachez_47 (K1), TaiwanKao_49 (K1), TingHuaYa_48 (K1), TiniBug_48 (K1), Tiri_48 (K1), Topper_47 (K1), TreyKay_48 (K1), TruffulaTree_47 (K1), Twitch_47 (K1), Urkel_48 (K1), Veliki_48 (K1), YoureAdopted_46 (K1), Yunkel11_50 (K1), Zabiza_42 (K1), Zavala_49 (K1),

Summary by clusters:

There is one cluster represented in this pham: K1

Info for manual annotations of cluster K1:

•Start number 1 was manually annotated 90 times for cluster K1.

Gene Information:

Gene: ActinUp_47 Start: 36195, Stop: 36362, Start Num: 1
Candidate Starts for ActinUp_47:
(Start: 1 @36195 has 90 MA's), (4, 36276), (6, 36297),

Gene: Adephagia_47 Start: 36192, Stop: 36359, Start Num: 1
Candidate Starts for Adephagia_47:
(Start: 1 @36192 has 90 MA's), (4, 36273), (6, 36294),

Gene: Adonis_47 Start: 36490, Stop: 36657, Start Num: 1
Candidate Starts for Adonis_47:
(Start: 1 @36490 has 90 MA's), (4, 36571), (6, 36592),

Gene: Ageofdapage_49 Start: 37175, Stop: 37342, Start Num: 1
Candidate Starts for Ageofdapage_49:
(Start: 1 @37175 has 90 MA's), (2, 37208), (4, 37256), (6, 37277),

Gene: AlishaPH_47 Start: 36465, Stop: 36632, Start Num: 1
Candidate Starts for AlishaPH_47:
(Start: 1 @36465 has 90 MA's), (4, 36546), (6, 36567),

Gene: Anaya_49 Start: 36792, Stop: 36959, Start Num: 1
Candidate Starts for Anaya_49:
(Start: 1 @36792 has 90 MA's), (4, 36873), (6, 36894),

Gene: Angelica_47 Start: 36422, Stop: 36589, Start Num: 1
Candidate Starts for Angelica_47:
(Start: 1 @36422 has 90 MA's), (6, 36524),

Gene: Anma_48 Start: 37081, Stop: 37248, Start Num: 1
Candidate Starts for Anma_48:
(Start: 1 @37081 has 90 MA's), (4, 37162), (6, 37183),

Gene: Apocalypse_50 Start: 37201, Stop: 37368, Start Num: 1
Candidate Starts for Apocalypse_50:
(Start: 1 @37201 has 90 MA's), (4, 37282), (6, 37303),

Gene: Asayake_47 Start: 36507, Stop: 36674, Start Num: 1
Candidate Starts for Asayake_47:
(Start: 1 @36507 has 90 MA's), (4, 36588), (6, 36609),

Gene: Atiba_48 Start: 36155, Stop: 36322, Start Num: 1
Candidate Starts for Atiba_48:
(Start: 1 @36155 has 90 MA's), (4, 36236), (6, 36257),

Gene: BEEST_47 Start: 36507, Stop: 36674, Start Num: 1
Candidate Starts for BEEST_47:
(Start: 1 @36507 has 90 MA's), (4, 36588), (6, 36609),

Gene: BGlluviae_47 Start: 36310, Stop: 36477, Start Num: 1
Candidate Starts for BGlluviae_47:
(Start: 1 @36310 has 90 MA's), (4, 36391), (6, 36412),

Gene: BaghaKamala_46 Start: 35630, Stop: 35797, Start Num: 1
Candidate Starts for BaghaKamala_46:
(Start: 1 @35630 has 90 MA's), (4, 35711), (6, 35732),

Gene: BarrelRoll_47 Start: 36178, Stop: 36345, Start Num: 1
Candidate Starts for BarrelRoll_47:
(Start: 1 @36178 has 90 MA's), (4, 36259), (6, 36280),

Gene: Beezoo_49 Start: 37153, Stop: 37320, Start Num: 1
Candidate Starts for Beezoo_49:
(Start: 1 @37153 has 90 MA's), (4, 37234), (5, 37252), (6, 37255),

Gene: Bella96_48 Start: 37019, Stop: 37186, Start Num: 1
Candidate Starts for Bella96_48:
(Start: 1 @37019 has 90 MA's), (4, 37100), (6, 37121),

Gene: Belladonna_47 Start: 36310, Stop: 36477, Start Num: 1
Candidate Starts for Belladonna_47:
(Start: 1 @36310 has 90 MA's), (4, 36391), (6, 36412),

Gene: Bern_48 Start: 35225, Stop: 35392, Start Num: 1
Candidate Starts for Bern_48:
(Start: 1 @35225 has 90 MA's), (4, 35306), (6, 35327),

Gene: Blizzard_47 Start: 36507, Stop: 36674, Start Num: 1
Candidate Starts for Blizzard_47:
(Start: 1 @36507 has 90 MA's), (4, 36588), (6, 36609),

Gene: Boiiii_47 Start: 36509, Stop: 36676, Start Num: 1
Candidate Starts for Boiiii_47:
(Start: 1 @36509 has 90 MA's), (4, 36590), (6, 36611),

Gene: CREW_47 Start: 36310, Stop: 36477, Start Num: 1
Candidate Starts for CREW_47:
(Start: 1 @36310 has 90 MA's), (4, 36391), (6, 36412),

Gene: CallaLilly_47 Start: 36233, Stop: 36400, Start Num: 1
Candidate Starts for CallaLilly_47:
(Start: 1 @36233 has 90 MA's), (4, 36314), (6, 36335),

Gene: Capricorn_47 Start: 36310, Stop: 36477, Start Num: 1
Candidate Starts for Capricorn_47:
(Start: 1 @36310 has 90 MA's), (4, 36391), (6, 36412),

Gene: CaseJules_49 Start: 36507, Stop: 36674, Start Num: 1
Candidate Starts for CaseJules_49:
(Start: 1 @36507 has 90 MA's), (4, 36588), (6, 36609),

Gene: CheetoDust_46 Start: 35679, Stop: 35846, Start Num: 1
Candidate Starts for CheetoDust_46:
(Start: 1 @35679 has 90 MA's), (4, 35760), (6, 35781),

Gene: Clipper_50 Start: 36826, Stop: 36993, Start Num: 1
Candidate Starts for Clipper_50:
(Start: 1 @36826 has 90 MA's), (4, 36907), (6, 36928),

Gene: CrimD_47 Start: 36416, Stop: 36583, Start Num: 1
Candidate Starts for CrimD_47:
(Start: 1 @36416 has 90 MA's), (4, 36497), (6, 36518),

Gene: Curiosium_49 Start: 35148, Stop: 35315, Start Num: 1
Candidate Starts for Curiosium_49:
(Start: 1 @35148 has 90 MA's), (4, 35229), (6, 35250),

Gene: Dalmuri_47 Start: 36310, Stop: 36477, Start Num: 1
Candidate Starts for Dalmuri_47:
(Start: 1 @36310 has 90 MA's), (4, 36391), (6, 36412),

Gene: DartGoblin_49 Start: 36991, Stop: 37158, Start Num: 1
Candidate Starts for DartGoblin_49:
(Start: 1 @36991 has 90 MA's), (4, 37072), (6, 37093),

Gene: Deby_47 Start: 36438, Stop: 36605, Start Num: 1
Candidate Starts for Deby_47:
(Start: 1 @36438 has 90 MA's), (6, 36540),

Gene: Devera_52 Start: 36963, Stop: 37130, Start Num: 1
Candidate Starts for Devera_52:
(Start: 1 @36963 has 90 MA's), (2, 36996), (4, 37044), (6, 37065),

Gene: Dole_50 Start: 36965, Stop: 37132, Start Num: 1
Candidate Starts for Dole_50:
(Start: 1 @36965 has 90 MA's), (2, 36998), (4, 37046), (6, 37067),

Gene: DrHayes_48 Start: 37081, Stop: 37248, Start Num: 1
Candidate Starts for DrHayes_48:
(Start: 1 @37081 has 90 MA's), (4, 37162), (6, 37183),

Gene: Durfee_47 Start: 36507, Stop: 36674, Start Num: 1
Candidate Starts for Durfee_47:
(Start: 1 @36507 has 90 MA's), (4, 36588), (6, 36609),

Gene: Efra2_50 Start: 36032, Stop: 36199, Start Num: 1
Candidate Starts for Efra2_50:
(Start: 1 @36032 has 90 MA's), (4, 36113), (6, 36134),

Gene: Emerson_48 Start: 36186, Stop: 36353, Start Num: 1
Candidate Starts for Emerson_48:
(Start: 1 @36186 has 90 MA's), (4, 36267), (6, 36288),

Gene: Ganymede_48 Start: 36625, Stop: 36792, Start Num: 1

Candidate Starts for Ganymede_48:
(Start: 1 @36625 has 90 MA's), (4, 36706), (6, 36727),

Gene: Geraldini_50 Start: 37242, Stop: 37409, Start Num: 1
Candidate Starts for Geraldini_50:
(Start: 1 @37242 has 90 MA's), (4, 37323), (5, 37341), (6, 37344),

Gene: Guanica15_50 Start: 35989, Stop: 36156, Start Num: 1
Candidate Starts for Guanica15_50:
(Start: 1 @35989 has 90 MA's), (4, 36070), (6, 36091),

Gene: HedwigODU_47 Start: 36195, Stop: 36362, Start Num: 1
Candidate Starts for HedwigODU_47:
(Start: 1 @36195 has 90 MA's), (4, 36276), (6, 36297),

Gene: Homura_47 Start: 36310, Stop: 36477, Start Num: 1
Candidate Starts for Homura_47:
(Start: 1 @36310 has 90 MA's), (4, 36391), (6, 36412),

Gene: Hyperbowlee_47 Start: 36507, Stop: 36674, Start Num: 1
Candidate Starts for Hyperbowlee_47:
(Start: 1 @36507 has 90 MA's), (4, 36588), (6, 36609),

Gene: Illumine_50 Start: 36965, Stop: 37132, Start Num: 1
Candidate Starts for Illumine_50:
(Start: 1 @36965 has 90 MA's), (2, 36998), (4, 37046), (6, 37067),

Gene: Inky_47 Start: 36310, Stop: 36477, Start Num: 1
Candidate Starts for Inky_47:
(Start: 1 @36310 has 90 MA's), (4, 36391), (6, 36412),

Gene: JAWS_47 Start: 36184, Stop: 36351, Start Num: 1
Candidate Starts for JAWS_47:
(Start: 1 @36184 has 90 MA's), (4, 36265), (6, 36286),

Gene: Jarvi_47 Start: 36310, Stop: 36477, Start Num: 1
Candidate Starts for Jarvi_47:
(Start: 1 @36310 has 90 MA's), (4, 36391), (6, 36412),

Gene: Jayhawk_48 Start: 36193, Stop: 36360, Start Num: 1
Candidate Starts for Jayhawk_48:
(Start: 1 @36193 has 90 MA's), (4, 36274), (6, 36295),

Gene: Jeckyll_47 Start: 36310, Stop: 36477, Start Num: 1
Candidate Starts for Jeckyll_47:
(Start: 1 @36310 has 90 MA's), (4, 36391), (6, 36412),

Gene: Joy99_47 Start: 36239, Stop: 36406, Start Num: 1
Candidate Starts for Joy99_47:
(Start: 1 @36239 has 90 MA's), (4, 36320), (6, 36341),

Gene: Kheparia_47 Start: 34321, Stop: 34488, Start Num: 1
Candidate Starts for Kheparia_47:

(Start: 1 @34321 has 90 MA's), (4, 34402), (6, 34423), (8, 34471),

Gene: LastHope_50 Start: 35467, Stop: 35634, Start Num: 1
Candidate Starts for LastHope_50:
(Start: 1 @35467 has 90 MA's), (4, 35548), (6, 35569),

Gene: LaterM_48 Start: 37072, Stop: 37239, Start Num: 1
Candidate Starts for LaterM_48:
(Start: 1 @37072 has 90 MA's), (2, 37105), (4, 37153), (6, 37174),

Gene: LindNT_46 Start: 36395, Stop: 36562, Start Num: 1
Candidate Starts for LindNT_46:
(Start: 1 @36395 has 90 MA's), (4, 36476), (6, 36497),

Gene: Llorens_47 Start: 36310, Stop: 36477, Start Num: 1
Candidate Starts for Llorens_47:
(Start: 1 @36310 has 90 MA's), (4, 36391), (6, 36412),

Gene: Lokum_48 Start: 36311, Stop: 36478, Start Num: 1
Candidate Starts for Lokum_48:
(Start: 1 @36311 has 90 MA's), (4, 36392), (6, 36413),

Gene: Lunahalos_47 Start: 36310, Stop: 36477, Start Num: 1
Candidate Starts for Lunahalos_47:
(Start: 1 @36310 has 90 MA's), (4, 36391), (6, 36412),

Gene: MacKat_42 Start: 31710, Stop: 31877, Start Num: 1
Candidate Starts for MacKat_42:
(Start: 1 @31710 has 90 MA's), (4, 31791), (6, 31812),

Gene: MeaningOfLife_48 Start: 37119, Stop: 37286, Start Num: 1
Candidate Starts for MeaningOfLife_48:
(Start: 1 @37119 has 90 MA's), (6, 37221),

Gene: Megsy_49 Start: 36454, Stop: 36621, Start Num: 1
Candidate Starts for Megsy_49:
(Start: 1 @36454 has 90 MA's), (4, 36535), (6, 36556),

Gene: Murucutumbu_48 Start: 37165, Stop: 37332, Start Num: 1
Candidate Starts for Murucutumbu_48:
(Start: 1 @37165 has 90 MA's), (2, 37198), (4, 37246), (6, 37267),

Gene: Mynx_48 Start: 36511, Stop: 36678, Start Num: 1
Candidate Starts for Mynx_48:
(Start: 1 @36511 has 90 MA's), (4, 36592), (6, 36613), (7, 36640),

Gene: Padfoot_47 Start: 36507, Stop: 36674, Start Num: 1
Candidate Starts for Padfoot_47:
(Start: 1 @36507 has 90 MA's), (4, 36588), (6, 36609),

Gene: Padpat_49 Start: 36186, Stop: 36353, Start Num: 1
Candidate Starts for Padpat_49:
(Start: 1 @36186 has 90 MA's), (4, 36267), (6, 36288),

Gene: Peel_47 Start: 36312, Stop: 36479, Start Num: 1
Candidate Starts for Peel_47:
(Start: 1 @36312 has 90 MA's), (4, 36393), (6, 36414),

Gene: Piatt_47 Start: 36507, Stop: 36674, Start Num: 1
Candidate Starts for Piatt_47:
(Start: 1 @36507 has 90 MA's), (4, 36588), (6, 36609),

Gene: Pisa1_47 Start: 37463, Stop: 37630, Start Num: 1
Candidate Starts for Pisa1_47:
(Start: 1 @37463 has 90 MA's), (4, 37544), (6, 37565), (8, 37613),

Gene: Pisa4_41 Start: 32832, Stop: 32999, Start Num: 1
Candidate Starts for Pisa4_41:
(Start: 1 @32832 has 90 MA's), (4, 32913), (6, 32934), (8, 32982),

Gene: Pokerus_46 Start: 36233, Stop: 36400, Start Num: 1
Candidate Starts for Pokerus_46:
(Start: 1 @36233 has 90 MA's), (4, 36314), (6, 36335),

Gene: Prithvi_48 Start: 36395, Stop: 36562, Start Num: 1
Candidate Starts for Prithvi_48:
(Start: 1 @36395 has 90 MA's), (4, 36476), (6, 36497),

Gene: QuincyRose_46 Start: 36625, Stop: 36792, Start Num: 1
Candidate Starts for QuincyRose_46:
(Start: 1 @36625 has 90 MA's), (4, 36706), (6, 36727),

Gene: Ramen_48 Start: 36197, Stop: 36364, Start Num: 1
Candidate Starts for Ramen_48:
(Start: 1 @36197 has 90 MA's), (4, 36278), (6, 36299),

Gene: Rapunzel97_48 Start: 36193, Stop: 36360, Start Num: 1
Candidate Starts for Rapunzel97_48:
(Start: 1 @36193 has 90 MA's), (4, 36274), (6, 36295),

Gene: Rosmarinus_47 Start: 36298, Stop: 36465, Start Num: 1
Candidate Starts for Rosmarinus_47:
(Start: 1 @36298 has 90 MA's), (4, 36379), (6, 36400),

Gene: SamuelLPlaqson_48 Start: 37081, Stop: 37248, Start Num: 1
Candidate Starts for SamuelLPlaqson_48:
(Start: 1 @37081 has 90 MA's), (4, 37162), (6, 37183),

Gene: ShiaSurprise_48 Start: 36507, Stop: 36674, Start Num: 1
Candidate Starts for ShiaSurprise_48:
(Start: 1 @36507 has 90 MA's), (4, 36588), (6, 36609),

Gene: Slimphazie_47 Start: 36193, Stop: 36360, Start Num: 1
Candidate Starts for Slimphazie_47:
(Start: 1 @36193 has 90 MA's), (4, 36274), (6, 36295),

Gene: Spock_47 Start: 36311, Stop: 36478, Start Num: 1
Candidate Starts for Spock_47:
(Start: 1 @36311 has 90 MA's), (4, 36392), (6, 36413),

Gene: Stinson_48 Start: 36685, Stop: 36852, Start Num: 1
Candidate Starts for Stinson_48:
(Start: 1 @36685 has 90 MA's), (2, 36718), (4, 36766), (6, 36787),

Gene: Sulley_47 Start: 36437, Stop: 36604, Start Num: 1
Candidate Starts for Sulley_47:
(Start: 1 @36437 has 90 MA's), (6, 36539),

Gene: Tachez_47 Start: 36155, Stop: 36322, Start Num: 1
Candidate Starts for Tachez_47:
(Start: 1 @36155 has 90 MA's), (4, 36236), (6, 36257),

Gene: TaiwanKao_49 Start: 36451, Stop: 36618, Start Num: 1
Candidate Starts for TaiwanKao_49:
(Start: 1 @36451 has 90 MA's), (4, 36532), (6, 36553),

Gene: TingHuaYa_48 Start: 35236, Stop: 35403, Start Num: 1
Candidate Starts for TingHuaYa_48:
(Start: 1 @35236 has 90 MA's), (4, 35317), (6, 35338),

Gene: TiniBug_48 Start: 37077, Stop: 37244, Start Num: 1
Candidate Starts for TiniBug_48:
(Start: 1 @37077 has 90 MA's), (4, 37158), (6, 37179),

Gene: Tiri_48 Start: 36485, Stop: 36652, Start Num: 1
Candidate Starts for Tiri_48:
(Start: 1 @36485 has 90 MA's), (4, 36566), (6, 36587),

Gene: Topper_47 Start: 36310, Stop: 36477, Start Num: 1
Candidate Starts for Topper_47:
(Start: 1 @36310 has 90 MA's), (4, 36391), (6, 36412),

Gene: TreyKay_48 Start: 36395, Stop: 36562, Start Num: 1
Candidate Starts for TreyKay_48:
(Start: 1 @36395 has 90 MA's), (4, 36476), (6, 36497),

Gene: TruffulaTree_47 Start: 36189, Stop: 36356, Start Num: 1
Candidate Starts for TruffulaTree_47:
(Start: 1 @36189 has 90 MA's), (4, 36270), (6, 36291),

Gene: Twitch_47 Start: 36312, Stop: 36479, Start Num: 1
Candidate Starts for Twitch_47:
(Start: 1 @36312 has 90 MA's), (4, 36393), (6, 36414),

Gene: Urkel_48 Start: 37081, Stop: 37248, Start Num: 1
Candidate Starts for Urkel_48:
(Start: 1 @37081 has 90 MA's), (4, 37162), (6, 37183),

Gene: Veliki_48 Start: 36229, Stop: 36396, Start Num: 1

Candidate Starts for Veliki_48:
(Start: 1 @36229 has 90 MA's), (4, 36310), (6, 36331),

Gene: YoureAdopted_46 Start: 36394, Stop: 36561, Start Num: 1
Candidate Starts for YoureAdopted_46:
(Start: 1 @36394 has 90 MA's), (3, 36469), (4, 36475), (6, 36496),

Gene: Yunkel11_50 Start: 35988, Stop: 36155, Start Num: 1
Candidate Starts for Yunkel11_50:
(Start: 1 @35988 has 90 MA's), (4, 36069), (6, 36090),

Gene: Zabiza_42 Start: 32500, Stop: 32667, Start Num: 1
Candidate Starts for Zabiza_42:
(Start: 1 @32500 has 90 MA's), (4, 32581), (6, 32602),

Gene: Zavala_49 Start: 36471, Stop: 36638, Start Num: 1
Candidate Starts for Zavala_49:
(Start: 1 @36471 has 90 MA's), (4, 36552), (6, 36573), (7, 36600),