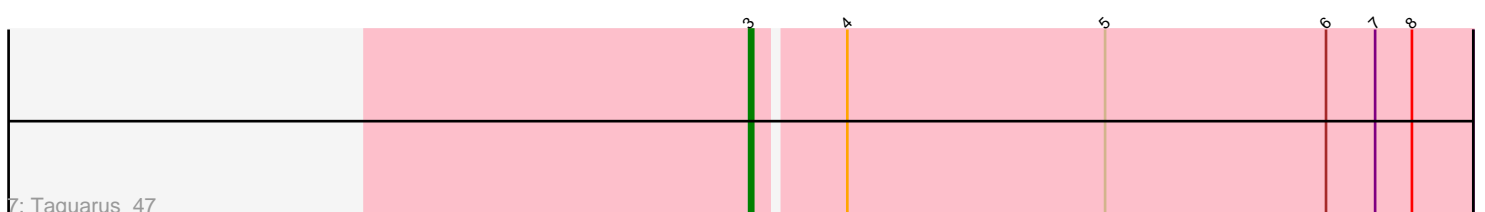
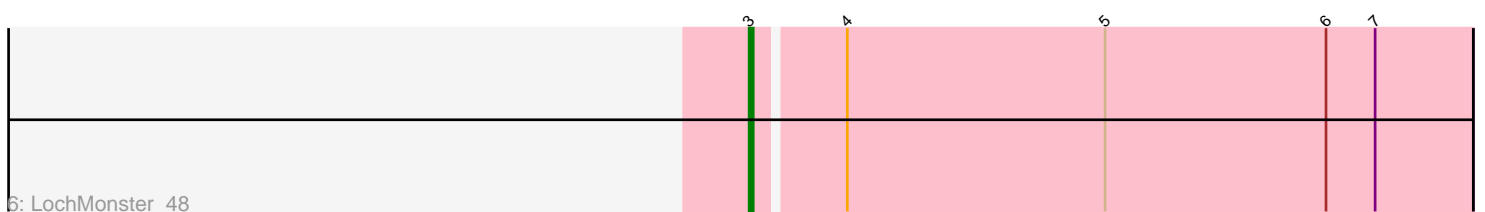
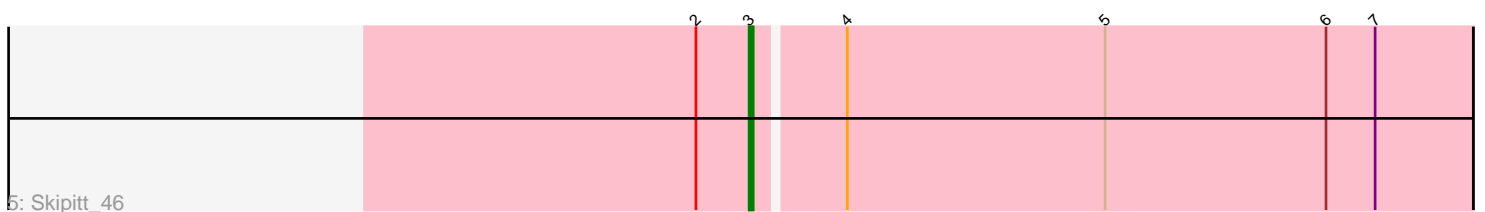
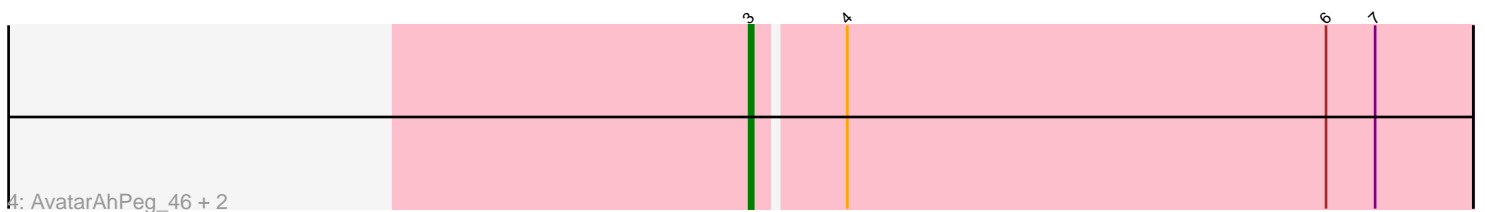
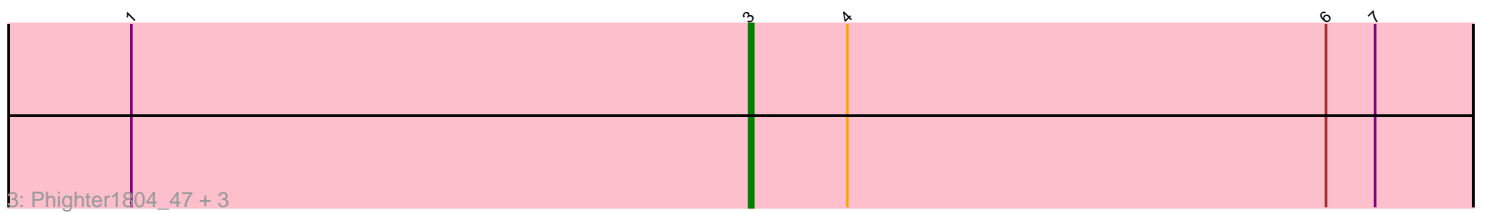
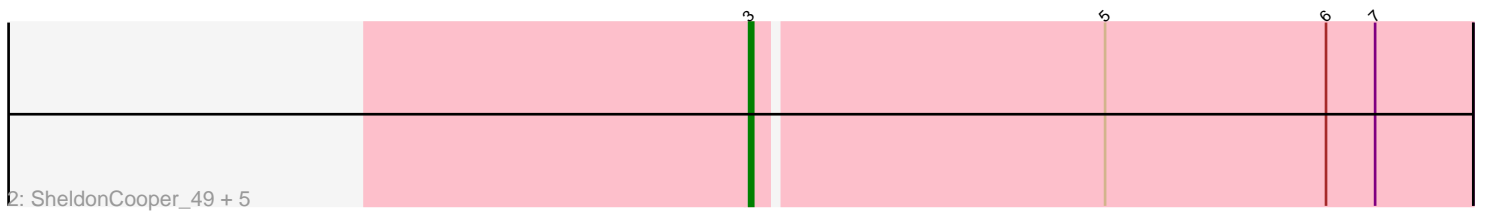
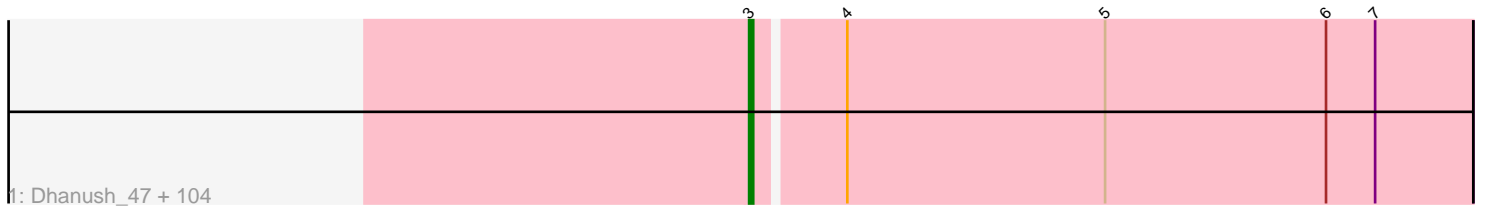


Pham 196385



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 196385 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196385 has 121 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Dhanush_47, Nebs_48, Wilbur_47, Avle17_47, Bombshell_47, Pipcraft_45, Relief_46, NotAPhaseMom_47, Jaykayelowell_45, Mazhar510_47, JoongJeon_46, Ulysses_46, Chaph_47, NorthStar_46, CentreCat_47, Melvin_49, Ruin_47, Nyxis_47, TygerBlood_47, HamSlice_46, JetBlade_47, Rosa24_46, Lemur_47, Millski_46, Caelakin_47, Wander_47, Cintron_46, TroyPia_48, Alberto7_48, Morrow_48, Bruiser_46, Medusa_47, BellusTerra_48, Connomayer_47, KFPoly_46, Phacado_47, Phelipe_48, Romney_47, Iracema64_48, Sabertooth_47, Shaka_47, Camperdownii_45, Scamp_47, Clarenza_46, Houdini22_47, Lunsford_48, Annyong_47, Bartimeaus_47, Peaches_47, Iceman_47, Eurydice_48, Ohfah_48, LeoAvram_47, Druantia_47, Burger_45, Happiness_46, Eros_47, LittleGuy_47, Sparxx_48, Thanksgivukkah_46, Wizard007_47, Pumbaa_47, Albee_47, Holli_46, LittleB_47, Citius_47, Eapen_47, Deano_46, Maxo_48, Baby16_47, Flux_47, LappelDuVide_47, BubbleTrouble_46, Huxley_47, Tinybot_46, Kingmustik0402_47, Palestino_46, Phontbonne_47, Maverick_47, Eris_46, TinaFeyge_47, Kyee_47, Kamy_47, Eagle_47, Kremtemulon_47, Abdiel_47, Broseidon_47, Funston_46, OKaNui_47, Commander_47, Lorenzo_47, TiroTheta9_47, Koreni_46, Florean_47, Polymorphads_48, Cocoaberry_47, MeeZee_47, Roosevelt_46, PeterPeter_47, Nemo27_47, ICleared_47, Gadost_47, YoSam321_47, Blackmoor_47, Spino_46
- Track 2 : SheldonCooper_49, BangNhom_48, Cerulean_48, LHTSCC_49, Obama12_48, ChampagnePapi_49
- Track 3 : Phighter1804_47, DirtyDunning_46, Arturo_46, Kratak_47
- Track 4 : AvatarAhPeg_46, Stink_47, Miramae_46
- Track 5 : Skipitt_46
- Track 6 : LochMonster_48
- Track 7 : Taquarus_47

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 119 of the 119 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abdiel_47, Albee_47, Alberto7_48, Annyong_47, Arturo_46, AvatarAhPeg_46, Avle17_47, Baby16_47, BangNhom_48, Bartimeaus_47, BellusTerra_48,

Blackmoor_47, Bombshell_47, Broseidon_47, Bruiser_46, BubbleTrouble_46, Burger_45, Caelakin_47, Camperdownii_45, CentreCat_47, Cerulean_48, ChampagnePapi_49, Chaph_47, Cintron_46, Citius_47, Clarenza_46, Cocoaberry_47, Commander_47, Connomayer_47, Deano_46, Dhanush_47, DirtyDunning_46, Druantia_47, Eagle_47, Eapen_47, Eris_46, Eros_47, Eurydice_48, Florean_47, Flux_47, Funston_46, Gadost_47, HamSlice_46, Happiness_46, Holli_46, Houdini22_47, Huxley_47, ICleared_47, Iceman_47, Iracema64_48, Jaykayelowell_45, JetBlade_47, JoongJeon_46, KFPoly_46, Kamy_47, Kingmustik0402_47, Koreni_46, Kratak_47, Kremtemulon_47, Kyee_47, LHTSCC_49, LappelDuVide_47, Lemur_47, LeoAvram_47, LittleB_47, LittleGuy_47, LochMonster_48, Lorenzo_47, Lunsford_48, Maverick_47, Maxo_48, Mazhar510_47, Medusa_47, MeeZee_47, Melvin_49, Millski_46, Miramae_46, Morrow_48, Nebs_48, Nemo27_47, NorthStar_46, NotAPhaseMom_47, Nyxis_47, OKaNui_47, Obama12_48, Ohfah_48, Palestino_46, Peaches_47, PeterPeter_47, Phacado_47, Felipe_48, Phighter1804_47, Phontbonne_47, Pipcraft_45, Polymorphads_48, Pumbaa_47, Relief_46, Romney_47, Roosevelt_46, Rosa24_46, Ruin_47, Sabertooth_47, Scamp_47, Shaka_47, SheldonCooper_49, Skipitt_46, Sparxx_48, Spino_46, Stink_47, Taquarus_47, Thanksgivukkah_46, TinaFeyge_47, Tinybot_46, TiroTheta9_47, TroyPia_48, TygerBlood_47, Ulysses_46, Wander_47, Wilbur_47, Wizard007_47, YoSam321_47,

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 3:

- Found in 121 of 121 (100.0%) of genes in pham
- Manual Annotations of this start: 119 of 119
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abdiel_47 (A4), Albee_47 (A4), Alberto7_48 (A4), Annyong_47 (A4), Arturo_46 (A4), AvatarAhPeg_46 (A4), Avle17_47 (A4), Baby16_47 (A4), BangNhom_48 (A4), Bartimeaus_47 (A4), BellusTerra_48 (A4), Blackmoor_47 (A4), Bombshell_47 (A4), Broseidon_47 (A4), Bruiser_46 (A4), BubbleTrouble_46 (A4), Burger_45 (A4), Caelakin_47 (A4), Camperdownii_45 (A4), CentreCat_47 (A4), Cerulean_48 (A4), ChampagnePapi_49 (A4), Chaph_47 (A4), Cintron_46 (A4), Citius_47 (A4), Clarenza_46 (A4), Cocoaberry_47 (A4), Commander_47 (A4), Connomayer_47 (A4), Deano_46 (A4), Dhanush_47 (A4), DirtyDunning_46 (A4), Druantia_47 (A4), Eagle_47 (A4), Eapen_47 (A4), Eris_46 (A4), Eros_47 (A4), Eurydice_48 (A4), Florean_47 (A4), Flux_47 (A4), Funston_46 (A4), Gadost_47 (A4), HamSlice_46 (A4), Happiness_46 (A4), Holli_46 (A4), Houdini22_47 (A4), Huxley_47 (A4), ICleared_47 (A4), Iceman_47 (A4), Iracema64_48 (A4), Jaykayelowell_45 (A4), JetBlade_47 (A4), JoongJeon_46 (A4), KFPoly_46 (A4), Kamy_47 (A4), Kingmustik0402_47 (A4), Koreni_46 (A4), Kratak_47 (A4), Kremtemulon_47 (A4), Kyee_47 (A4), LHTSCC_49 (A4), LappelDuVide_47 (A4), Lemur_47 (A4), LeoAvram_47 (A4), LittleB_47 (A4), LittleGuy_47 (A4), LochMonster_48 (A4), Lorenzo_47 (A4), Lunsford_48 (A4), Maverick_47 (A4), Maxo_48 (A4), Mazhar510_47 (A4), Medusa_47 (A4), MeeZee_47 (A4), Melvin_49 (A4), Millski_46 (A4), Miramae_46 (A4), Morrow_48 (A4), Nebs_48 (A4), Nemo27_47 (A4), NorthStar_46 (A4), NotAPhaseMom_47 (A4), Nyxis_47 (A4),

OKaNui_47 (A4), Obama12_48 (A4), Ohfah_48 (A4), Palestino_46 (A4), Peaches_47 (A4), PeterPeter_47 (A4), Phacado_47 (A4), Phelipe_48 (A4), Phighter1804_47 (A4), Phontbonne_47 (A4), Pipcraft_45 (A4), Polymorphads_48 (A4), Pumbaa_47 (A4), Relief_46 (A4), Romney_47 (A4), Roosevelt_46 (A4), Rosa24_46 (A4), Ruin_47 (A4), Sabertooth_47 (A4), Scamp_47 (A4), Shaka_47 (A4), SheldonCooper_49 (A4), Skipitt_46 (A4), Sparxx_48 (A4), Spino_46 (A4), Stink_47 (A4), Taquarus_47 (A4), Thanksgivukkah_46 (A4), TinaFeyge_47 (A4), Tinybot_46 (A4), TiroTheta9_47 (A4), TroyPia_48 (A4), TygerBlood_47 (A4), Ulysses_46 (A4), Wander_47 (A4), Wilbur_47 (A4), Wizard007_47 (A4), YoSam321_47 (A4),

Summary by clusters:

There is one cluster represented in this pham: A4

Info for manual annotations of cluster A4:

- Start number 3 was manually annotated 119 times for cluster A4.

Gene Information:

Gene: Abdiel_47 Start: 32054, Stop: 31881, Start Num: 3

Candidate Starts for Abdiel_47:

(Start: 3 @32054 has 119 MA's), (4, 32033), (5, 31970), (6, 31916), (7, 31904),

Gene: Albee_47 Start: 32053, Stop: 31880, Start Num: 3

Candidate Starts for Albee_47:

(Start: 3 @32053 has 119 MA's), (4, 32032), (5, 31969), (6, 31915), (7, 31903),

Gene: Alberto7_48 Start: 32390, Stop: 32217, Start Num: 3

Candidate Starts for Alberto7_48:

(Start: 3 @32390 has 119 MA's), (4, 32369), (5, 32306), (6, 32252), (7, 32240),

Gene: Annyong_47 Start: 32098, Stop: 31925, Start Num: 3

Candidate Starts for Annyong_47:

(Start: 3 @32098 has 119 MA's), (4, 32077), (5, 32014), (6, 31960), (7, 31948),

Gene: Arturo_46 Start: 32333, Stop: 32157, Start Num: 3

Candidate Starts for Arturo_46:

(1, 32483), (Start: 3 @32333 has 119 MA's), (4, 32309), (6, 32192), (7, 32180),

Gene: AvatarAhPeg_46 Start: 32552, Stop: 32379, Start Num: 3

Candidate Starts for AvatarAhPeg_46:

(Start: 3 @32552 has 119 MA's), (4, 32531), (6, 32414), (7, 32402),

Gene: Avle17_47 Start: 32050, Stop: 31877, Start Num: 3

Candidate Starts for Avle17_47:

(Start: 3 @32050 has 119 MA's), (4, 32029), (5, 31966), (6, 31912), (7, 31900),

Gene: Baby16_47 Start: 32064, Stop: 31891, Start Num: 3

Candidate Starts for Baby16_47:

(Start: 3 @32064 has 119 MA's), (4, 32043), (5, 31980), (6, 31926), (7, 31914),

Gene: BangNhom_48 Start: 32475, Stop: 32302, Start Num: 3
Candidate Starts for BangNhom_48:
(Start: 3 @32475 has 119 MA's), (5, 32391), (6, 32337), (7, 32325),

Gene: Bartimeaus_47 Start: 32055, Stop: 31882, Start Num: 3
Candidate Starts for Bartimeaus_47:
(Start: 3 @32055 has 119 MA's), (4, 32034), (5, 31971), (6, 31917), (7, 31905),

Gene: BellusTerra_48 Start: 32054, Stop: 31881, Start Num: 3
Candidate Starts for BellusTerra_48:
(Start: 3 @32054 has 119 MA's), (4, 32033), (5, 31970), (6, 31916), (7, 31904),

Gene: Blackmoor_47 Start: 32055, Stop: 31882, Start Num: 3
Candidate Starts for Blackmoor_47:
(Start: 3 @32055 has 119 MA's), (4, 32034), (5, 31971), (6, 31917), (7, 31905),

Gene: Bombshell_47 Start: 32050, Stop: 31877, Start Num: 3
Candidate Starts for Bombshell_47:
(Start: 3 @32050 has 119 MA's), (4, 32029), (5, 31966), (6, 31912), (7, 31900),

Gene: Broseidon_47 Start: 32055, Stop: 31882, Start Num: 3
Candidate Starts for Broseidon_47:
(Start: 3 @32055 has 119 MA's), (4, 32034), (5, 31971), (6, 31917), (7, 31905),

Gene: Bruiser_46 Start: 32053, Stop: 31880, Start Num: 3
Candidate Starts for Bruiser_46:
(Start: 3 @32053 has 119 MA's), (4, 32032), (5, 31969), (6, 31915), (7, 31903),

Gene: BubbleTrouble_46 Start: 32053, Stop: 31880, Start Num: 3
Candidate Starts for BubbleTrouble_46:
(Start: 3 @32053 has 119 MA's), (4, 32032), (5, 31969), (6, 31915), (7, 31903),

Gene: Burger_45 Start: 32053, Stop: 31880, Start Num: 3
Candidate Starts for Burger_45:
(Start: 3 @32053 has 119 MA's), (4, 32032), (5, 31969), (6, 31915), (7, 31903),

Gene: Caelakin_47 Start: 32053, Stop: 31880, Start Num: 3
Candidate Starts for Caelakin_47:
(Start: 3 @32053 has 119 MA's), (4, 32032), (5, 31969), (6, 31915), (7, 31903),

Gene: Camperdownii_45 Start: 31726, Stop: 31553, Start Num: 3
Candidate Starts for Camperdownii_45:
(Start: 3 @31726 has 119 MA's), (4, 31705), (5, 31642), (6, 31588), (7, 31576),

Gene: CentreCat_47 Start: 32056, Stop: 31883, Start Num: 3
Candidate Starts for CentreCat_47:
(Start: 3 @32056 has 119 MA's), (4, 32035), (5, 31972), (6, 31918), (7, 31906),

Gene: Cerulean_48 Start: 32476, Stop: 32303, Start Num: 3
Candidate Starts for Cerulean_48:
(Start: 3 @32476 has 119 MA's), (5, 32392), (6, 32338), (7, 32326),

Gene: ChampagnePapi_49 Start: 32475, Stop: 32302, Start Num: 3

Candidate Starts for ChampagnePapi_49:
(Start: 3 @32475 has 119 MA's), (5, 32391), (6, 32337), (7, 32325),

Gene: Chaph_47 Start: 32064, Stop: 31891, Start Num: 3
Candidate Starts for Chaph_47:
(Start: 3 @32064 has 119 MA's), (4, 32043), (5, 31980), (6, 31926), (7, 31914),

Gene: Cintron_46 Start: 32033, Stop: 31860, Start Num: 3
Candidate Starts for Cintron_46:
(Start: 3 @32033 has 119 MA's), (4, 32012), (5, 31949), (6, 31895), (7, 31883),

Gene: Citius_47 Start: 32074, Stop: 31901, Start Num: 3
Candidate Starts for Citius_47:
(Start: 3 @32074 has 119 MA's), (4, 32053), (5, 31990), (6, 31936), (7, 31924),

Gene: Clarenza_46 Start: 32050, Stop: 31877, Start Num: 3
Candidate Starts for Clarenza_46:
(Start: 3 @32050 has 119 MA's), (4, 32029), (5, 31966), (6, 31912), (7, 31900),

Gene: Cocoaberry_47 Start: 32057, Stop: 31884, Start Num: 3
Candidate Starts for Cocoaberry_47:
(Start: 3 @32057 has 119 MA's), (4, 32036), (5, 31973), (6, 31919), (7, 31907),

Gene: Commander_47 Start: 32052, Stop: 31879, Start Num: 3
Candidate Starts for Commander_47:
(Start: 3 @32052 has 119 MA's), (4, 32031), (5, 31968), (6, 31914), (7, 31902),

Gene: Connomayer_47 Start: 32053, Stop: 31880, Start Num: 3
Candidate Starts for Connomayer_47:
(Start: 3 @32053 has 119 MA's), (4, 32032), (5, 31969), (6, 31915), (7, 31903),

Gene: Deano_46 Start: 32061, Stop: 31888, Start Num: 3
Candidate Starts for Deano_46:
(Start: 3 @32061 has 119 MA's), (4, 32040), (5, 31977), (6, 31923), (7, 31911),

Gene: Dhanush_47 Start: 32056, Stop: 31883, Start Num: 3
Candidate Starts for Dhanush_47:
(Start: 3 @32056 has 119 MA's), (4, 32035), (5, 31972), (6, 31918), (7, 31906),

Gene: DirtyDunning_46 Start: 32074, Stop: 31898, Start Num: 3
Candidate Starts for DirtyDunning_46:
(1, 32224), (Start: 3 @32074 has 119 MA's), (4, 32050), (6, 31933), (7, 31921),

Gene: Druantia_47 Start: 32056, Stop: 31883, Start Num: 3
Candidate Starts for Druantia_47:
(Start: 3 @32056 has 119 MA's), (4, 32035), (5, 31972), (6, 31918), (7, 31906),

Gene: Eagle_47 Start: 32078, Stop: 31905, Start Num: 3
Candidate Starts for Eagle_47:
(Start: 3 @32078 has 119 MA's), (4, 32057), (5, 31994), (6, 31940), (7, 31928),

Gene: Eapen_47 Start: 32048, Stop: 31875, Start Num: 3
Candidate Starts for Eapen_47:

(Start: 3 @32048 has 119 MA's), (4, 32027), (5, 31964), (6, 31910), (7, 31898),

Gene: Eris_46 Start: 32053, Stop: 31880, Start Num: 3

Candidate Starts for Eris_46:

(Start: 3 @32053 has 119 MA's), (4, 32032), (5, 31969), (6, 31915), (7, 31903),

Gene: Eros_47 Start: 32055, Stop: 31882, Start Num: 3

Candidate Starts for Eros_47:

(Start: 3 @32055 has 119 MA's), (4, 32034), (5, 31971), (6, 31917), (7, 31905),

Gene: Eurydice_48 Start: 32050, Stop: 31877, Start Num: 3

Candidate Starts for Eurydice_48:

(Start: 3 @32050 has 119 MA's), (4, 32029), (5, 31966), (6, 31912), (7, 31900),

Gene: Florean_47 Start: 32052, Stop: 31879, Start Num: 3

Candidate Starts for Florean_47:

(Start: 3 @32052 has 119 MA's), (4, 32031), (5, 31968), (6, 31914), (7, 31902),

Gene: Flux_47 Start: 32052, Stop: 31879, Start Num: 3

Candidate Starts for Flux_47:

(Start: 3 @32052 has 119 MA's), (4, 32031), (5, 31968), (6, 31914), (7, 31902),

Gene: Funston_46 Start: 32053, Stop: 31880, Start Num: 3

Candidate Starts for Funston_46:

(Start: 3 @32053 has 119 MA's), (4, 32032), (5, 31969), (6, 31915), (7, 31903),

Gene: Gadost_47 Start: 32057, Stop: 31884, Start Num: 3

Candidate Starts for Gadost_47:

(Start: 3 @32057 has 119 MA's), (4, 32036), (5, 31973), (6, 31919), (7, 31907),

Gene: HamSlice_46 Start: 32051, Stop: 31878, Start Num: 3

Candidate Starts for HamSlice_46:

(Start: 3 @32051 has 119 MA's), (4, 32030), (5, 31967), (6, 31913), (7, 31901),

Gene: Happiness_46 Start: 32058, Stop: 31885, Start Num: 3

Candidate Starts for Happiness_46:

(Start: 3 @32058 has 119 MA's), (4, 32037), (5, 31974), (6, 31920), (7, 31908),

Gene: Holli_46 Start: 31843, Stop: 31670, Start Num: 3

Candidate Starts for Holli_46:

(Start: 3 @31843 has 119 MA's), (4, 31822), (5, 31759), (6, 31705), (7, 31693),

Gene: Houdini22_47 Start: 32057, Stop: 31884, Start Num: 3

Candidate Starts for Houdini22_47:

(Start: 3 @32057 has 119 MA's), (4, 32036), (5, 31973), (6, 31919), (7, 31907),

Gene: Huxley_47 Start: 32114, Stop: 31941, Start Num: 3

Candidate Starts for Huxley_47:

(Start: 3 @32114 has 119 MA's), (4, 32093), (5, 32030), (6, 31976), (7, 31964),

Gene: ICleared_47 Start: 32082, Stop: 31909, Start Num: 3

Candidate Starts for ICleared_47:

(Start: 3 @32082 has 119 MA's), (4, 32061), (5, 31998), (6, 31944), (7, 31932),

Gene: Iceman_47 Start: 32339, Stop: 32166, Start Num: 3

Candidate Starts for Iceman_47:

(Start: 3 @32339 has 119 MA's), (4, 32318), (5, 32255), (6, 32201), (7, 32189),

Gene: Iracema64_48 Start: 32317, Stop: 32144, Start Num: 3

Candidate Starts for Iracema64_48:

(Start: 3 @32317 has 119 MA's), (4, 32296), (5, 32233), (6, 32179), (7, 32167),

Gene: Jaykayelowell_45 Start: 32046, Stop: 31873, Start Num: 3

Candidate Starts for Jaykayelowell_45:

(Start: 3 @32046 has 119 MA's), (4, 32025), (5, 31962), (6, 31908), (7, 31896),

Gene: JetBlade_47 Start: 32047, Stop: 31874, Start Num: 3

Candidate Starts for JetBlade_47:

(Start: 3 @32047 has 119 MA's), (4, 32026), (5, 31963), (6, 31909), (7, 31897),

Gene: JoongJeon_46 Start: 32050, Stop: 31877, Start Num: 3

Candidate Starts for JoongJeon_46:

(Start: 3 @32050 has 119 MA's), (4, 32029), (5, 31966), (6, 31912), (7, 31900),

Gene: KFPoly_46 Start: 32047, Stop: 31874, Start Num: 3

Candidate Starts for KFPoly_46:

(Start: 3 @32047 has 119 MA's), (4, 32026), (5, 31963), (6, 31909), (7, 31897),

Gene: Kamy_47 Start: 32055, Stop: 31882, Start Num: 3

Candidate Starts for Kamy_47:

(Start: 3 @32055 has 119 MA's), (4, 32034), (5, 31971), (6, 31917), (7, 31905),

Gene: Kingmustik0402_47 Start: 32042, Stop: 31869, Start Num: 3

Candidate Starts for Kingmustik0402_47:

(Start: 3 @32042 has 119 MA's), (4, 32021), (5, 31958), (6, 31904), (7, 31892),

Gene: Koreni_46 Start: 31734, Stop: 31561, Start Num: 3

Candidate Starts for Koreni_46:

(Start: 3 @31734 has 119 MA's), (4, 31713), (5, 31650), (6, 31596), (7, 31584),

Gene: Kratak_47 Start: 32216, Stop: 32040, Start Num: 3

Candidate Starts for Kratak_47:

(1, 32366), (Start: 3 @32216 has 119 MA's), (4, 32192), (6, 32075), (7, 32063),

Gene: Kremtemulon_47 Start: 32004, Stop: 31831, Start Num: 3

Candidate Starts for Kremtemulon_47:

(Start: 3 @32004 has 119 MA's), (4, 31983), (5, 31920), (6, 31866), (7, 31854),

Gene: Kyee_47 Start: 32051, Stop: 31878, Start Num: 3

Candidate Starts for Kyee_47:

(Start: 3 @32051 has 119 MA's), (4, 32030), (5, 31967), (6, 31913), (7, 31901),

Gene: LHTSCC_49 Start: 32475, Stop: 32302, Start Num: 3

Candidate Starts for LHTSCC_49:

(Start: 3 @32475 has 119 MA's), (5, 32391), (6, 32337), (7, 32325),

Gene: LappelDuVide_47 Start: 32052, Stop: 31879, Start Num: 3
Candidate Starts for LappelDuVide_47:
(Start: 3 @32052 has 119 MA's), (4, 32031), (5, 31968), (6, 31914), (7, 31902),

Gene: Lemur_47 Start: 32050, Stop: 31877, Start Num: 3
Candidate Starts for Lemur_47:
(Start: 3 @32050 has 119 MA's), (4, 32029), (5, 31966), (6, 31912), (7, 31900),

Gene: LeoAvram_47 Start: 32053, Stop: 31880, Start Num: 3
Candidate Starts for LeoAvram_47:
(Start: 3 @32053 has 119 MA's), (4, 32032), (5, 31969), (6, 31915), (7, 31903),

Gene: LittleB_47 Start: 32054, Stop: 31881, Start Num: 3
Candidate Starts for LittleB_47:
(Start: 3 @32054 has 119 MA's), (4, 32033), (5, 31970), (6, 31916), (7, 31904),

Gene: LittleGuy_47 Start: 31949, Stop: 31776, Start Num: 3
Candidate Starts for LittleGuy_47:
(Start: 3 @31949 has 119 MA's), (4, 31928), (5, 31865), (6, 31811), (7, 31799),

Gene: LochMonster_48 Start: 32289, Stop: 32116, Start Num: 3
Candidate Starts for LochMonster_48:
(Start: 3 @32289 has 119 MA's), (4, 32268), (5, 32205), (6, 32151), (7, 32139),

Gene: Lorenzo_47 Start: 32053, Stop: 31880, Start Num: 3
Candidate Starts for Lorenzo_47:
(Start: 3 @32053 has 119 MA's), (4, 32032), (5, 31969), (6, 31915), (7, 31903),

Gene: Lunsford_48 Start: 32047, Stop: 31874, Start Num: 3
Candidate Starts for Lunsford_48:
(Start: 3 @32047 has 119 MA's), (4, 32026), (5, 31963), (6, 31909), (7, 31897),

Gene: Maverick_47 Start: 32053, Stop: 31880, Start Num: 3
Candidate Starts for Maverick_47:
(Start: 3 @32053 has 119 MA's), (4, 32032), (5, 31969), (6, 31915), (7, 31903),

Gene: Maxo_48 Start: 32055, Stop: 31882, Start Num: 3
Candidate Starts for Maxo_48:
(Start: 3 @32055 has 119 MA's), (4, 32034), (5, 31971), (6, 31917), (7, 31905),

Gene: Mazhar510_47 Start: 32054, Stop: 31881, Start Num: 3
Candidate Starts for Mazhar510_47:
(Start: 3 @32054 has 119 MA's), (4, 32033), (5, 31970), (6, 31916), (7, 31904),

Gene: Medusa_47 Start: 32052, Stop: 31879, Start Num: 3
Candidate Starts for Medusa_47:
(Start: 3 @32052 has 119 MA's), (4, 32031), (5, 31968), (6, 31914), (7, 31902),

Gene: MeeZee_47 Start: 32050, Stop: 31877, Start Num: 3
Candidate Starts for MeeZee_47:
(Start: 3 @32050 has 119 MA's), (4, 32029), (5, 31966), (6, 31912), (7, 31900),

Gene: Melvin_49 Start: 32048, Stop: 31875, Start Num: 3

Candidate Starts for Melvin_49:

(Start: 3 @32048 has 119 MA's), (4, 32027), (5, 31964), (6, 31910), (7, 31898),

Gene: Millski_46 Start: 32054, Stop: 31881, Start Num: 3

Candidate Starts for Millski_46:

(Start: 3 @32054 has 119 MA's), (4, 32033), (5, 31970), (6, 31916), (7, 31904),

Gene: Miramae_46 Start: 32214, Stop: 32041, Start Num: 3

Candidate Starts for Miramae_46:

(Start: 3 @32214 has 119 MA's), (4, 32193), (6, 32076), (7, 32064),

Gene: Morrow_48 Start: 32059, Stop: 31886, Start Num: 3

Candidate Starts for Morrow_48:

(Start: 3 @32059 has 119 MA's), (4, 32038), (5, 31975), (6, 31921), (7, 31909),

Gene: Nebs_48 Start: 32053, Stop: 31880, Start Num: 3

Candidate Starts for Nebs_48:

(Start: 3 @32053 has 119 MA's), (4, 32032), (5, 31969), (6, 31915), (7, 31903),

Gene: Nemo27_47 Start: 32052, Stop: 31879, Start Num: 3

Candidate Starts for Nemo27_47:

(Start: 3 @32052 has 119 MA's), (4, 32031), (5, 31968), (6, 31914), (7, 31902),

Gene: NorthStar_46 Start: 32053, Stop: 31880, Start Num: 3

Candidate Starts for NorthStar_46:

(Start: 3 @32053 has 119 MA's), (4, 32032), (5, 31969), (6, 31915), (7, 31903),

Gene: NotAPhaseMom_47 Start: 32057, Stop: 31884, Start Num: 3

Candidate Starts for NotAPhaseMom_47:

(Start: 3 @32057 has 119 MA's), (4, 32036), (5, 31973), (6, 31919), (7, 31907),

Gene: Nyxis_47 Start: 31943, Stop: 31770, Start Num: 3

Candidate Starts for Nyxis_47:

(Start: 3 @31943 has 119 MA's), (4, 31922), (5, 31859), (6, 31805), (7, 31793),

Gene: OKaNui_47 Start: 32103, Stop: 31930, Start Num: 3

Candidate Starts for OKaNui_47:

(Start: 3 @32103 has 119 MA's), (4, 32082), (5, 32019), (6, 31965), (7, 31953),

Gene: Obama12_48 Start: 32477, Stop: 32304, Start Num: 3

Candidate Starts for Obama12_48:

(Start: 3 @32477 has 119 MA's), (5, 32393), (6, 32339), (7, 32327),

Gene: Ohfah_48 Start: 32053, Stop: 31880, Start Num: 3

Candidate Starts for Ohfah_48:

(Start: 3 @32053 has 119 MA's), (4, 32032), (5, 31969), (6, 31915), (7, 31903),

Gene: Palestino_46 Start: 32053, Stop: 31880, Start Num: 3

Candidate Starts for Palestino_46:

(Start: 3 @32053 has 119 MA's), (4, 32032), (5, 31969), (6, 31915), (7, 31903),

Gene: Peaches_47 Start: 32052, Stop: 31879, Start Num: 3

Candidate Starts for Peaches_47:

(Start: 3 @32052 has 119 MA's), (4, 32031), (5, 31968), (6, 31914), (7, 31902),

Gene: PeterPeter_47 Start: 32050, Stop: 31877, Start Num: 3

Candidate Starts for PeterPeter_47:

(Start: 3 @32050 has 119 MA's), (4, 32029), (5, 31966), (6, 31912), (7, 31900),

Gene: Phacado_47 Start: 32052, Stop: 31879, Start Num: 3

Candidate Starts for Phacado_47:

(Start: 3 @32052 has 119 MA's), (4, 32031), (5, 31968), (6, 31914), (7, 31902),

Gene: Phelipe_48 Start: 32053, Stop: 31880, Start Num: 3

Candidate Starts for Phelipe_48:

(Start: 3 @32053 has 119 MA's), (4, 32032), (5, 31969), (6, 31915), (7, 31903),

Gene: Phighter1804_47 Start: 32119, Stop: 31943, Start Num: 3

Candidate Starts for Phighter1804_47:

(1, 32269), (Start: 3 @32119 has 119 MA's), (4, 32095), (6, 31978), (7, 31966),

Gene: Phontbonne_47 Start: 31944, Stop: 31771, Start Num: 3

Candidate Starts for Phontbonne_47:

(Start: 3 @31944 has 119 MA's), (4, 31923), (5, 31860), (6, 31806), (7, 31794),

Gene: Pipcraft_45 Start: 32053, Stop: 31880, Start Num: 3

Candidate Starts for Pipcraft_45:

(Start: 3 @32053 has 119 MA's), (4, 32032), (5, 31969), (6, 31915), (7, 31903),

Gene: Polymorphads_48 Start: 32046, Stop: 31873, Start Num: 3

Candidate Starts for Polymorphads_48:

(Start: 3 @32046 has 119 MA's), (4, 32025), (5, 31962), (6, 31908), (7, 31896),

Gene: Pumbaa_47 Start: 31998, Stop: 31825, Start Num: 3

Candidate Starts for Pumbaa_47:

(Start: 3 @31998 has 119 MA's), (4, 31977), (5, 31914), (6, 31860), (7, 31848),

Gene: Relief_46 Start: 32050, Stop: 31877, Start Num: 3

Candidate Starts for Relief_46:

(Start: 3 @32050 has 119 MA's), (4, 32029), (5, 31966), (6, 31912), (7, 31900),

Gene: Romney_47 Start: 32050, Stop: 31877, Start Num: 3

Candidate Starts for Romney_47:

(Start: 3 @32050 has 119 MA's), (4, 32029), (5, 31966), (6, 31912), (7, 31900),

Gene: Roosevelt_46 Start: 32055, Stop: 31882, Start Num: 3

Candidate Starts for Roosevelt_46:

(Start: 3 @32055 has 119 MA's), (4, 32034), (5, 31971), (6, 31917), (7, 31905),

Gene: Rosa24_46 Start: 32084, Stop: 31911, Start Num: 3

Candidate Starts for Rosa24_46:

(Start: 3 @32084 has 119 MA's), (4, 32063), (5, 32000), (6, 31946), (7, 31934),

Gene: Ruin_47 Start: 32046, Stop: 31873, Start Num: 3

Candidate Starts for Ruin_47:

(Start: 3 @32046 has 119 MA's), (4, 32025), (5, 31962), (6, 31908), (7, 31896),

Gene: Sabertooth_47 Start: 32055, Stop: 31882, Start Num: 3
Candidate Starts for Sabertooth_47:
(Start: 3 @32055 has 119 MA's), (4, 32034), (5, 31971), (6, 31917), (7, 31905),

Gene: Scamp_47 Start: 32055, Stop: 31882, Start Num: 3
Candidate Starts for Scamp_47:
(Start: 3 @32055 has 119 MA's), (4, 32034), (5, 31971), (6, 31917), (7, 31905),

Gene: Shaka_47 Start: 32050, Stop: 31877, Start Num: 3
Candidate Starts for Shaka_47:
(Start: 3 @32050 has 119 MA's), (4, 32029), (5, 31966), (6, 31912), (7, 31900),

Gene: SheldonCooper_49 Start: 32476, Stop: 32303, Start Num: 3
Candidate Starts for SheldonCooper_49:
(Start: 3 @32476 has 119 MA's), (5, 32392), (6, 32338), (7, 32326),

Gene: Skipitt_46 Start: 32047, Stop: 31874, Start Num: 3
Candidate Starts for Skipitt_46:
(2, 32059), (Start: 3 @32047 has 119 MA's), (4, 32026), (5, 31963), (6, 31909), (7, 31897),

Gene: Sparxx_48 Start: 32048, Stop: 31875, Start Num: 3
Candidate Starts for Sparxx_48:
(Start: 3 @32048 has 119 MA's), (4, 32027), (5, 31964), (6, 31910), (7, 31898),

Gene: Spino_46 Start: 32053, Stop: 31880, Start Num: 3
Candidate Starts for Spino_46:
(Start: 3 @32053 has 119 MA's), (4, 32032), (5, 31969), (6, 31915), (7, 31903),

Gene: Stink_47 Start: 32494, Stop: 32321, Start Num: 3
Candidate Starts for Stink_47:
(Start: 3 @32494 has 119 MA's), (4, 32473), (6, 32356), (7, 32344),

Gene: Taquarus_47 Start: 32056, Stop: 31883, Start Num: 3
Candidate Starts for Taquarus_47:
(Start: 3 @32056 has 119 MA's), (4, 32035), (5, 31972), (6, 31918), (7, 31906), (8, 31897),

Gene: Thanksgivukkah_46 Start: 32051, Stop: 31878, Start Num: 3
Candidate Starts for Thanksgivukkah_46:
(Start: 3 @32051 has 119 MA's), (4, 32030), (5, 31967), (6, 31913), (7, 31901),

Gene: TinaFeyge_47 Start: 32048, Stop: 31875, Start Num: 3
Candidate Starts for TinaFeyge_47:
(Start: 3 @32048 has 119 MA's), (4, 32027), (5, 31964), (6, 31910), (7, 31898),

Gene: Tinybot_46 Start: 32080, Stop: 31907, Start Num: 3
Candidate Starts for Tinybot_46:
(Start: 3 @32080 has 119 MA's), (4, 32059), (5, 31996), (6, 31942), (7, 31930),

Gene: TiroTheta9_47 Start: 32047, Stop: 31874, Start Num: 3
Candidate Starts for TiroTheta9_47:
(Start: 3 @32047 has 119 MA's), (4, 32026), (5, 31963), (6, 31909), (7, 31897),

Gene: TroyPia_48 Start: 32051, Stop: 31878, Start Num: 3
Candidate Starts for TroyPia_48:
(Start: 3 @32051 has 119 MA's), (4, 32030), (5, 31967), (6, 31913), (7, 31901),

Gene: TygerBlood_47 Start: 32053, Stop: 31880, Start Num: 3
Candidate Starts for TygerBlood_47:
(Start: 3 @32053 has 119 MA's), (4, 32032), (5, 31969), (6, 31915), (7, 31903),

Gene: Ulysses_46 Start: 31730, Stop: 31557, Start Num: 3
Candidate Starts for Ulysses_46:
(Start: 3 @31730 has 119 MA's), (4, 31709), (5, 31646), (6, 31592), (7, 31580),

Gene: Wander_47 Start: 32050, Stop: 31877, Start Num: 3
Candidate Starts for Wander_47:
(Start: 3 @32050 has 119 MA's), (4, 32029), (5, 31966), (6, 31912), (7, 31900),

Gene: Wilbur_47 Start: 32050, Stop: 31877, Start Num: 3
Candidate Starts for Wilbur_47:
(Start: 3 @32050 has 119 MA's), (4, 32029), (5, 31966), (6, 31912), (7, 31900),

Gene: Wizard007_47 Start: 32058, Stop: 31885, Start Num: 3
Candidate Starts for Wizard007_47:
(Start: 3 @32058 has 119 MA's), (4, 32037), (5, 31974), (6, 31920), (7, 31908),

Gene: YoSam321_47 Start: 32047, Stop: 31874, Start Num: 3
Candidate Starts for YoSam321_47:
(Start: 3 @32047 has 119 MA's), (4, 32026), (5, 31963), (6, 31909), (7, 31897),