



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 296372 Report

This analysis was run 04/25/26 on database version 644.

Pham number 296372 has 121 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Eros_77, Baby16_77, Sabertooth_77, Holli_76, Shaka_75, DirtyDunning_76, Eapen_77, TiroTheta9_76, MeeZee_76, Caelakin_75, Obama12_78, Morrow_79, LochMonster_78, Kingmustik0402_77, Iceman_75, Jaykayelowell_74, Kampy_76, Mazhar510_77, Melvin_79, Eagle_76, Happiness_76, Koan_74, Sparxx_78, Burger_75, Peaches_75, NorthStar_74, Romney_76, Houdini22_76, LittleB_77, Deano_74, PeterPeter_77, Spino_76, SenorClean_78, Ohfah_78, Phelipe_78, LHTSCC_79, JetBlade_78, Broseidon_77, Nyxis_76, Connomayer_77, Bartimeaus_77, TroyPia_78, Cocoaberry_77, Lorenzo_77, Pumbaa_77, SheldonCooper_77, BangNhom_74, ICleared_76, Albee_77, YoSam321_77, Alberto7_78, Taquarus_76, Dhanush_77, Wilbur_77, Pipcraft_73, Phighter1804_77, Relief_76, Kyee_77, CentreCat_77, Arturo_74, Commander_75, Ruin_77, Polymorphads_78, SteMason_73, LittleGuy_77, TygerBlood_77, Koreni_76, Citius_77, Scamp_77, Nemo27_76, Flux_78, Rosa24_73, Skipitt_76, Lemur_77, Tinybot_76, Gadost_77, Eurydice_78, Lunsford_77, BellusTerra_78, Phontbonne_77, NotAPhaseMom_76, Nebs_78, Medusa_76, Ulysses_76, Druantia_76, Chaph_77, RockieBear_74
- Track 2 : OKaNui_76
- Track 3 : Kratak_76, Maverick_76, JoongJeon_76, Phacado_77, Blackmoor_76, Iracema64_77, Clarenza_76, ChampagnePapi_80, BubbleTrouble_76, Millski_76, Avle17_77, Roosevelt_75, KFPoly_76, Abdiel_76, Palestino_76, Wander_77, HamSlice_73, Florean_77, Bruiser_76, TinaFeyge_75, Thanksgivukkah_76, Maxo_79, Funston_76, Mundrea_76, LappelDuVide_77, Bombshell_77, Eris_76, Annyong_76, Sultana_77, Cerulean_79
- Track 4 : KekoraPapaka_74
- Track 5 : Mayonnaise_74
- Track 6 : Stink_77

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

The start number called the most often in the published annotations is 8, it was called in 86 of the 117 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Albee_77, Alberto7_78, Arturo_74, Baby16_77, BangNhom_74, Bartimeaus_77, BellusTerra_78, Broseidon_77, Burger_75, Caelakin_75, CentreCat_77, Chaph_77, Citius_77, Cocoaberry_77, Commander_75, Connomayer_77, Deano_74, Dhanush_77, DirtyDunning_76, Druantia_76, Eagle_76, Eapen_77, Eros_77, Eurydice_78, Flux_78, Gadost_77, Happiness_76, Holli_76, Houdini22_76, ICleared_76, Iceman_75, Jaykayelowell_74, JetBlade_78, Kamy_76, KekoraPapaka_74, Kingmustik0402_77, Koan_74, Koreni_76, Kyee_77, LHTSCC_79, Lemur_77, LittleB_77, LittleGuy_77, LochMonster_78, Lorenzo_77, Lunsford_77, Mazhar510_77, Medusa_76, MeeZee_76, Melvin_79, Morrow_79, Nebs_78, Nemo27_76, NorthStar_74, NotAPhaseMom_76, Nyxis_76, OKaNui_76, Obama12_78, Ohfah_78, Peaches_75, PeterPeter_77, Phelipe_78, Phighter1804_77, Phontbonne_77, Pipcraft_73, Polymorphads_78, Pumbaa_77, Relief_76, RockieBear_74, Romney_76, Rosa24_73, Ruin_77, Sabertooth_77, Scamp_77, SeniorClean_78, Shaka_75, SheldonCooper_77, Skipitt_76, Sparxx_78, Spino_76, SteMason_73, Stink_77, Taquarus_76, Tinybot_76, TiroTheta9_76, TroyPia_78, TygerBlood_77, Ulysses_76, Wilbur_77, YoSam321_77,

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

- Abdiel_76, Annyong_76, Avle17_77, Blackmoor_76, Bombshell_77, Bruiser_76, BubbleTrouble_76, Cerulean_79, ChampagnePapi_80, Clarenza_76, Eris_76, Florean_77, Funston_76, HamSlice_73, Iracema64_77, JoongJeon_76, KFPoly_76, Kratark_76, LappelDuVide_77, Maverick_76, Maxo_79, Mayonnaise_74, Millski_76, Mundrea_76, Palestino_76, Phacado_77, Roosevelt_75, Sultana_77, Thanksgivukkah_76, TinaFeyge_75, Wander_77,

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

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Summary by start number:

Start 4:

- Found in 119 of 121 (98.3%) of genes in pham
- Manual Annotations of this start: 30 of 117
- Called 25.2% of time when present
- Phage (with cluster) where this start called: Abdiel_76 (A4), Annyong_76 (A4), Avle17_77 (A4), Blackmoor_76 (A4), Bombshell_77 (A4), Bruiser_76 (A4), BubbleTrouble_76 (A4), Cerulean_79 (A4), ChampagnePapi_80 (A4), Clarenza_76 (A4), Eris_76 (A4), Florean_77 (A4), Funston_76 (A4), HamSlice_73 (A4), Iracema64_77 (A4), JoongJeon_76 (A4), KFPoly_76 (A4), Kratark_76 (A4), LappelDuVide_77 (A4), Maverick_76 (A4), Maxo_79 (A4), Millski_76 (A4), Mundrea_76 (A4), Palestino_76 (A4), Phacado_77 (A4), Roosevelt_75 (A4), Sultana_77 (A4), Thanksgivukkah_76 (A4), TinaFeyge_75 (A4), Wander_77 (A4),

Start 7:

- Found in 1 of 121 (0.8%) of genes in pham
- Manual Annotations of this start: 1 of 117
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Mayonnaise_74 (A4),

Start 8:

- Found in 121 of 121 (100.0%) of genes in pham
- Manual Annotations of this start: 86 of 117
- Called 74.4% of time when present

- Phage (with cluster) where this start called: Albee_77 (A4), Alberto7_78 (A4), Arturo_74 (A4), Baby16_77 (A4), BangNhom_74 (A4), Bartimeaus_77 (A4), BellusTerra_78 (A4), Broseidon_77 (A4), Burger_75 (A4), Caelakin_75 (A4), CentreCat_77 (A4), Chaph_77 (A4), Citius_77 (A4), Cocoaberry_77 (A4), Commander_75 (A4), Connomayer_77 (A4), Deano_74 (A4), Dhanush_77 (A4), DirtyDunning_76 (A4), Druantia_76 (A4), Eagle_76 (A4), Eapen_77 (A4), Eros_77 (A4), Eurydice_78 (A4), Flux_78 (A4), Gadost_77 (A4), Happiness_76 (A4), Holli_76 (A4), Houdini22_76 (A4), ICleared_76 (A4), Iceman_75 (A4), Jaykayelowell_74 (A4), JetBlade_78 (A4), Kampy_76 (A4), KekoraPapaka_74 (A4), Kingmustik0402_77 (A4), Koan_74 (A4), Koreni_76 (A4), Kyee_77 (A4), LHTSCC_79 (A4), Lemur_77 (A4), LittleB_77 (A4), LittleGuy_77 (A4), LochMonster_78 (A4), Lorenzo_77 (A4), Lunsford_77 (A4), Mazhar510_77 (A4), Medusa_76 (A4), MeeZee_76 (A4), Melvin_79 (A4), Morrow_79 (A4), Nebs_78 (A4), Nemo27_76 (A4), NorthStar_74 (A4), NotAPhaseMom_76 (A4), Nyxis_76 (A4), OKaNui_76 (A4), Obama12_78 (A4), Ohfah_78 (A4), Peaches_75 (A4), PeterPeter_77 (A4), Phelipe_78 (A4), Phighter1804_77 (A4), Phontbonne_77 (A4), Pipcraft_73 (A4), Polymorphads_78 (A4), Pumbaa_77 (A4), Relief_76 (A4), RockieBear_74 (A4), Romney_76 (A4), Rosa24_73 (A4), Ruin_77 (A4), Sabertooth_77 (A4), Scamp_77 (A4), SenorClean_78 (A4), Shaka_75 (A4), SheldonCooper_77 (A4), Skipitt_76 (A4), Sparxx_78 (A4), Spino_76 (A4), SteMason_73 (A4), Stink_77 (A4), Taquarus_76 (A4), Tinybot_76 (A4), TiroTheta9_76 (A4), TroyPia_78 (A4), TygerBlood_77 (A4), Ulysses_76 (A4), Wilbur_77 (A4), YoSam321_77 (A4),

Summary by clusters:

There is one cluster represented in this pham: A4

Info for manual annotations of cluster A4:

- Start number 4 was manually annotated 30 times for cluster A4.
- Start number 7 was manually annotated 1 time for cluster A4.
- Start number 8 was manually annotated 86 times for cluster A4.

Gene Information:

Gene: Abdiel_76 Start: 46040, Stop: 45822, Start Num: 4

Candidate Starts for Abdiel_76:

(Start: 4 @46040 has 30 MA's), (Start: 8 @45965 has 86 MA's), (9, 45884), (10, 45875),

Gene: Albee_77 Start: 45953, Stop: 45810, Start Num: 8

Candidate Starts for Albee_77:

(Start: 4 @46028 has 30 MA's), (Start: 8 @45953 has 86 MA's), (9, 45872), (10, 45863),

Gene: Alberto7_78 Start: 46290, Stop: 46147, Start Num: 8

Candidate Starts for Alberto7_78:

(Start: 4 @46365 has 30 MA's), (Start: 8 @46290 has 86 MA's), (9, 46209), (10, 46200),

Gene: Annyong_76 Start: 46073, Stop: 45855, Start Num: 4

Candidate Starts for Annyong_76:

(Start: 4 @46073 has 30 MA's), (Start: 8 @45998 has 86 MA's), (9, 45917), (10, 45908),

Gene: Arturo_74 Start: 46081, Stop: 45938, Start Num: 8

Candidate Starts for Arturo_74:

(Start: 4 @46156 has 30 MA's), (Start: 8 @46081 has 86 MA's), (9, 46000), (10, 45991),

Gene: Avle17_77 Start: 46022, Stop: 45804, Start Num: 4

Candidate Starts for Avle17_77:

(Start: 4 @46022 has 30 MA's), (Start: 8 @45947 has 86 MA's), (9, 45866), (10, 45857),

Gene: Baby16_77 Start: 45964, Stop: 45821, Start Num: 8

Candidate Starts for Baby16_77:

(Start: 4 @46039 has 30 MA's), (Start: 8 @45964 has 86 MA's), (9, 45883), (10, 45874),

Gene: BangNhom_74 Start: 46390, Stop: 46247, Start Num: 8

Candidate Starts for BangNhom_74:

(Start: 4 @46465 has 30 MA's), (Start: 8 @46390 has 86 MA's), (9, 46309), (10, 46300),

Gene: Bartimeaus_77 Start: 45955, Stop: 45812, Start Num: 8

Candidate Starts for Bartimeaus_77:

(Start: 4 @46030 has 30 MA's), (Start: 8 @45955 has 86 MA's), (9, 45874), (10, 45865),

Gene: BellusTerra_78 Start: 45994, Stop: 45851, Start Num: 8

Candidate Starts for BellusTerra_78:

(Start: 4 @46069 has 30 MA's), (Start: 8 @45994 has 86 MA's), (9, 45913), (10, 45904),

Gene: Blackmoor_76 Start: 46030, Stop: 45812, Start Num: 4

Candidate Starts for Blackmoor_76:

(Start: 4 @46030 has 30 MA's), (Start: 8 @45955 has 86 MA's), (9, 45874), (10, 45865),

Gene: Bombshell_77 Start: 46025, Stop: 45807, Start Num: 4

Candidate Starts for Bombshell_77:

(Start: 4 @46025 has 30 MA's), (Start: 8 @45950 has 86 MA's), (9, 45869), (10, 45860),

Gene: Broseidon_77 Start: 45956, Stop: 45813, Start Num: 8

Candidate Starts for Broseidon_77:

(Start: 4 @46031 has 30 MA's), (Start: 8 @45956 has 86 MA's), (9, 45875), (10, 45866),

Gene: Bruiser_76 Start: 46028, Stop: 45810, Start Num: 4

Candidate Starts for Bruiser_76:

(Start: 4 @46028 has 30 MA's), (Start: 8 @45953 has 86 MA's), (9, 45872), (10, 45863),

Gene: BubbleTrouble_76 Start: 46055, Stop: 45837, Start Num: 4

Candidate Starts for BubbleTrouble_76:

(Start: 4 @46055 has 30 MA's), (Start: 8 @45980 has 86 MA's), (9, 45899), (10, 45890),

Gene: Burger_75 Start: 45953, Stop: 45810, Start Num: 8

Candidate Starts for Burger_75:

(Start: 4 @46028 has 30 MA's), (Start: 8 @45953 has 86 MA's), (9, 45872), (10, 45863),

Gene: Caelakin_75 Start: 45953, Stop: 45810, Start Num: 8

Candidate Starts for Caelakin_75:

(Start: 4 @46028 has 30 MA's), (Start: 8 @45953 has 86 MA's), (9, 45872), (10, 45863),

Gene: CentreCat_77 Start: 45993, Stop: 45850, Start Num: 8

Candidate Starts for CentreCat_77:

(Start: 4 @46068 has 30 MA's), (Start: 8 @45993 has 86 MA's), (9, 45912), (10, 45903),

Gene: Cerulean_79 Start: 46466, Stop: 46248, Start Num: 4

Candidate Starts for Cerulean_79:

(Start: 4 @46466 has 30 MA's), (Start: 8 @46391 has 86 MA's), (9, 46310), (10, 46301),

Gene: ChampagnePapi_80 Start: 46468, Stop: 46250, Start Num: 4

Candidate Starts for ChampagnePapi_80:

(Start: 4 @46468 has 30 MA's), (Start: 8 @46393 has 86 MA's), (9, 46312), (10, 46303),

Gene: Chaph_77 Start: 45964, Stop: 45821, Start Num: 8

Candidate Starts for Chaph_77:

(Start: 4 @46039 has 30 MA's), (Start: 8 @45964 has 86 MA's), (9, 45883), (10, 45874),

Gene: Citius_77 Start: 45974, Stop: 45831, Start Num: 8

Candidate Starts for Citius_77:

(Start: 4 @46049 has 30 MA's), (Start: 8 @45974 has 86 MA's), (9, 45893), (10, 45884),

Gene: Clarenza_76 Start: 46025, Stop: 45807, Start Num: 4

Candidate Starts for Clarenza_76:

(Start: 4 @46025 has 30 MA's), (Start: 8 @45950 has 86 MA's), (9, 45869), (10, 45860),

Gene: Cocoaberry_77 Start: 45954, Stop: 45811, Start Num: 8

Candidate Starts for Cocoaberry_77:

(Start: 4 @46029 has 30 MA's), (Start: 8 @45954 has 86 MA's), (9, 45873), (10, 45864),

Gene: Commander_75 Start: 45951, Stop: 45808, Start Num: 8

Candidate Starts for Commander_75:

(Start: 4 @46026 has 30 MA's), (Start: 8 @45951 has 86 MA's), (9, 45870), (10, 45861),

Gene: Connomayer_77 Start: 45953, Stop: 45810, Start Num: 8

Candidate Starts for Connomayer_77:

(Start: 4 @46028 has 30 MA's), (Start: 8 @45953 has 86 MA's), (9, 45872), (10, 45863),

Gene: Deano_74 Start: 45961, Stop: 45818, Start Num: 8

Candidate Starts for Deano_74:

(Start: 4 @46036 has 30 MA's), (Start: 8 @45961 has 86 MA's), (9, 45880), (10, 45871),

Gene: Dhanush_77 Start: 45956, Stop: 45813, Start Num: 8

Candidate Starts for Dhanush_77:

(Start: 4 @46031 has 30 MA's), (Start: 8 @45956 has 86 MA's), (9, 45875), (10, 45866),

Gene: DirtyDunning_76 Start: 45965, Stop: 45822, Start Num: 8

Candidate Starts for DirtyDunning_76:

(Start: 4 @46040 has 30 MA's), (Start: 8 @45965 has 86 MA's), (9, 45884), (10, 45875),

Gene: Druantia_76 Start: 45956, Stop: 45813, Start Num: 8

Candidate Starts for Druantia_76:

(Start: 4 @46031 has 30 MA's), (Start: 8 @45956 has 86 MA's), (9, 45875), (10, 45866),

Gene: Eagle_76 Start: 46015, Stop: 45872, Start Num: 8

Candidate Starts for Eagle_76:

(Start: 4 @46090 has 30 MA's), (Start: 8 @46015 has 86 MA's), (9, 45934), (10, 45925),

Gene: Eapen_77 Start: 45948, Stop: 45805, Start Num: 8

Candidate Starts for Eapen_77:

(Start: 4 @46023 has 30 MA's), (Start: 8 @45948 has 86 MA's), (9, 45867), (10, 45858),

Gene: Eris_76 Start: 46040, Stop: 45822, Start Num: 4

Candidate Starts for Eris_76:

(Start: 4 @46040 has 30 MA's), (Start: 8 @45965 has 86 MA's), (9, 45884), (10, 45875),

Gene: Eros_77 Start: 45955, Stop: 45812, Start Num: 8

Candidate Starts for Eros_77:

(Start: 4 @46030 has 30 MA's), (Start: 8 @45955 has 86 MA's), (9, 45874), (10, 45865),

Gene: Eurydice_78 Start: 45990, Stop: 45847, Start Num: 8

Candidate Starts for Eurydice_78:

(Start: 4 @46065 has 30 MA's), (Start: 8 @45990 has 86 MA's), (9, 45909), (10, 45900),

Gene: Florean_77 Start: 46027, Stop: 45809, Start Num: 4

Candidate Starts for Florean_77:

(Start: 4 @46027 has 30 MA's), (Start: 8 @45952 has 86 MA's), (9, 45871), (10, 45862),

Gene: Flux_78 Start: 45951, Stop: 45808, Start Num: 8

Candidate Starts for Flux_78:

(Start: 4 @46026 has 30 MA's), (Start: 8 @45951 has 86 MA's), (9, 45870), (10, 45861),

Gene: Funston_76 Start: 46025, Stop: 45807, Start Num: 4

Candidate Starts for Funston_76:

(Start: 4 @46025 has 30 MA's), (Start: 8 @45950 has 86 MA's), (9, 45869), (10, 45860),

Gene: Gadost_77 Start: 45954, Stop: 45811, Start Num: 8

Candidate Starts for Gadost_77:

(Start: 4 @46029 has 30 MA's), (Start: 8 @45954 has 86 MA's), (9, 45873), (10, 45864),

Gene: HamSlice_73 Start: 46027, Stop: 45809, Start Num: 4

Candidate Starts for HamSlice_73:

(Start: 4 @46027 has 30 MA's), (Start: 8 @45952 has 86 MA's), (9, 45871), (10, 45862),

Gene: Happiness_76 Start: 45976, Stop: 45833, Start Num: 8

Candidate Starts for Happiness_76:

(Start: 4 @46051 has 30 MA's), (Start: 8 @45976 has 86 MA's), (9, 45895), (10, 45886),

Gene: Holli_76 Start: 45743, Stop: 45600, Start Num: 8

Candidate Starts for Holli_76:

(Start: 4 @45818 has 30 MA's), (Start: 8 @45743 has 86 MA's), (9, 45662), (10, 45653),

Gene: Houdini22_76 Start: 45954, Stop: 45811, Start Num: 8

Candidate Starts for Houdini22_76:

(Start: 4 @46029 has 30 MA's), (Start: 8 @45954 has 86 MA's), (9, 45873), (10, 45864),

Gene: ICleared_76 Start: 46021, Stop: 45878, Start Num: 8

Candidate Starts for ICleared_76:

(Start: 4 @46096 has 30 MA's), (Start: 8 @46021 has 86 MA's), (9, 45940), (10, 45931),

Gene: Iceman_75 Start: 46243, Stop: 46100, Start Num: 8
Candidate Starts for Iceman_75:
(Start: 4 @46318 has 30 MA's), (Start: 8 @46243 has 86 MA's), (9, 46162), (10, 46153),

Gene: Iracema64_77 Start: 46292, Stop: 46074, Start Num: 4
Candidate Starts for Iracema64_77:
(Start: 4 @46292 has 30 MA's), (Start: 8 @46217 has 86 MA's), (9, 46136), (10, 46127),

Gene: Jaykayelowell_74 Start: 45946, Stop: 45803, Start Num: 8
Candidate Starts for Jaykayelowell_74:
(Start: 4 @46021 has 30 MA's), (Start: 8 @45946 has 86 MA's), (9, 45865), (10, 45856),

Gene: JetBlade_78 Start: 45981, Stop: 45838, Start Num: 8
Candidate Starts for JetBlade_78:
(Start: 4 @46056 has 30 MA's), (Start: 8 @45981 has 86 MA's), (9, 45900), (10, 45891),

Gene: JoongJeon_76 Start: 46022, Stop: 45804, Start Num: 4
Candidate Starts for JoongJeon_76:
(Start: 4 @46022 has 30 MA's), (Start: 8 @45947 has 86 MA's), (9, 45866), (10, 45857),

Gene: KFPoly_76 Start: 46022, Stop: 45804, Start Num: 4
Candidate Starts for KFPoly_76:
(Start: 4 @46022 has 30 MA's), (Start: 8 @45947 has 86 MA's), (9, 45866), (10, 45857),

Gene: Kampy_76 Start: 45956, Stop: 45813, Start Num: 8
Candidate Starts for Kampy_76:
(Start: 4 @46031 has 30 MA's), (Start: 8 @45956 has 86 MA's), (9, 45875), (10, 45866),

Gene: KekoraPapaka_74 Start: 45953, Stop: 45810, Start Num: 8
Candidate Starts for KekoraPapaka_74:
(Start: 4 @46028 has 30 MA's), (Start: 8 @45953 has 86 MA's), (9, 45872),

Gene: Kingmustik0402_77 Start: 45942, Stop: 45799, Start Num: 8
Candidate Starts for Kingmustik0402_77:
(Start: 4 @46017 has 30 MA's), (Start: 8 @45942 has 86 MA's), (9, 45861), (10, 45852),

Gene: Koan_74 Start: 45953, Stop: 45810, Start Num: 8
Candidate Starts for Koan_74:
(Start: 4 @46028 has 30 MA's), (Start: 8 @45953 has 86 MA's), (9, 45872), (10, 45863),

Gene: Koreni_76 Start: 45634, Stop: 45491, Start Num: 8
Candidate Starts for Koreni_76:
(Start: 4 @45709 has 30 MA's), (Start: 8 @45634 has 86 MA's), (9, 45553), (10, 45544),

Gene: Kratak_76 Start: 46062, Stop: 45844, Start Num: 4
Candidate Starts for Kratak_76:
(Start: 4 @46062 has 30 MA's), (Start: 8 @45987 has 86 MA's), (9, 45906), (10, 45897),

Gene: Kyee_77 Start: 45948, Stop: 45805, Start Num: 8
Candidate Starts for Kyee_77:
(Start: 4 @46023 has 30 MA's), (Start: 8 @45948 has 86 MA's), (9, 45867), (10, 45858),

Gene: LHTSCC_79 Start: 46393, Stop: 46250, Start Num: 8

Candidate Starts for LHTSCC_79:

(Start: 4 @46468 has 30 MA's), (Start: 8 @46393 has 86 MA's), (9, 46312), (10, 46303),

Gene: LappelDuVide_77 Start: 46028, Stop: 45810, Start Num: 4

Candidate Starts for LappelDuVide_77:

(Start: 4 @46028 has 30 MA's), (Start: 8 @45953 has 86 MA's), (9, 45872), (10, 45863),

Gene: Lemur_77 Start: 45950, Stop: 45807, Start Num: 8

Candidate Starts for Lemur_77:

(Start: 4 @46025 has 30 MA's), (Start: 8 @45950 has 86 MA's), (9, 45869), (10, 45860),

Gene: LittleB_77 Start: 45954, Stop: 45811, Start Num: 8

Candidate Starts for LittleB_77:

(Start: 4 @46029 has 30 MA's), (Start: 8 @45954 has 86 MA's), (9, 45873), (10, 45864),

Gene: LittleGuy_77 Start: 45838, Stop: 45695, Start Num: 8

Candidate Starts for LittleGuy_77:

(Start: 4 @45913 has 30 MA's), (Start: 8 @45838 has 86 MA's), (9, 45757), (10, 45748),

Gene: LochMonster_78 Start: 46190, Stop: 46047, Start Num: 8

Candidate Starts for LochMonster_78:

(Start: 4 @46265 has 30 MA's), (Start: 8 @46190 has 86 MA's), (9, 46109), (10, 46100),

Gene: Lorenzo_77 Start: 45951, Stop: 45808, Start Num: 8

Candidate Starts for Lorenzo_77:

(Start: 4 @46026 has 30 MA's), (Start: 8 @45951 has 86 MA's), (9, 45870), (10, 45861),

Gene: Lunsford_77 Start: 45946, Stop: 45803, Start Num: 8

Candidate Starts for Lunsford_77:

(Start: 4 @46021 has 30 MA's), (Start: 8 @45946 has 86 MA's), (9, 45865), (10, 45856),

Gene: Maverick_76 Start: 46025, Stop: 45807, Start Num: 4

Candidate Starts for Maverick_76:

(Start: 4 @46025 has 30 MA's), (Start: 8 @45950 has 86 MA's), (9, 45869), (10, 45860),

Gene: Maxo_79 Start: 46031, Stop: 45813, Start Num: 4

Candidate Starts for Maxo_79:

(Start: 4 @46031 has 30 MA's), (Start: 8 @45956 has 86 MA's), (9, 45875), (10, 45866),

Gene: Mayonnaise_74 Start: 45977, Stop: 45807, Start Num: 7

Candidate Starts for Mayonnaise_74:

(1, 46277), (3, 46115), (5, 46019), (Start: 7 @45977 has 1 MA's), (Start: 8 @45950 has 86 MA's), (9, 45869), (10, 45860),

Gene: Mazhar510_77 Start: 45951, Stop: 45808, Start Num: 8

Candidate Starts for Mazhar510_77:

(Start: 4 @46026 has 30 MA's), (Start: 8 @45951 has 86 MA's), (9, 45870), (10, 45861),

Gene: Medusa_76 Start: 45966, Stop: 45823, Start Num: 8

Candidate Starts for Medusa_76:

(Start: 4 @46041 has 30 MA's), (Start: 8 @45966 has 86 MA's), (9, 45885), (10, 45876),

Gene: MeeZee_76 Start: 45947, Stop: 45804, Start Num: 8

Candidate Starts for MeeZee_76:

(Start: 4 @46022 has 30 MA's), (Start: 8 @45947 has 86 MA's), (9, 45866), (10, 45857),

Gene: Melvin_79 Start: 45948, Stop: 45805, Start Num: 8

Candidate Starts for Melvin_79:

(Start: 4 @46023 has 30 MA's), (Start: 8 @45948 has 86 MA's), (9, 45867), (10, 45858),

Gene: Millski_76 Start: 46029, Stop: 45811, Start Num: 4

Candidate Starts for Millski_76:

(Start: 4 @46029 has 30 MA's), (Start: 8 @45954 has 86 MA's), (9, 45873), (10, 45864),

Gene: Morrow_79 Start: 45993, Stop: 45850, Start Num: 8

Candidate Starts for Morrow_79:

(Start: 4 @46068 has 30 MA's), (Start: 8 @45993 has 86 MA's), (9, 45912), (10, 45903),

Gene: Mundrea_76 Start: 46088, Stop: 45867, Start Num: 4

Candidate Starts for Mundrea_76:

(Start: 4 @46088 has 30 MA's), (Start: 8 @46010 has 86 MA's), (9, 45929), (10, 45920),

Gene: Nebs_78 Start: 45993, Stop: 45850, Start Num: 8

Candidate Starts for Nebs_78:

(Start: 4 @46068 has 30 MA's), (Start: 8 @45993 has 86 MA's), (9, 45912), (10, 45903),

Gene: Nemo27_76 Start: 45949, Stop: 45806, Start Num: 8

Candidate Starts for Nemo27_76:

(Start: 4 @46024 has 30 MA's), (Start: 8 @45949 has 86 MA's), (9, 45868), (10, 45859),

Gene: NorthStar_74 Start: 45953, Stop: 45810, Start Num: 8

Candidate Starts for NorthStar_74:

(Start: 4 @46028 has 30 MA's), (Start: 8 @45953 has 86 MA's), (9, 45872), (10, 45863),

Gene: NotAPhaseMom_76 Start: 45954, Stop: 45811, Start Num: 8

Candidate Starts for NotAPhaseMom_76:

(Start: 4 @46029 has 30 MA's), (Start: 8 @45954 has 86 MA's), (9, 45873), (10, 45864),

Gene: Nyxis_76 Start: 45832, Stop: 45689, Start Num: 8

Candidate Starts for Nyxis_76:

(Start: 4 @45907 has 30 MA's), (Start: 8 @45832 has 86 MA's), (9, 45751), (10, 45742),

Gene: OKaNui_76 Start: 46003, Stop: 45860, Start Num: 8

Candidate Starts for OKaNui_76:

(5, 46066), (6, 46060), (Start: 8 @46003 has 86 MA's), (9, 45922), (10, 45913),

Gene: Obama12_78 Start: 46377, Stop: 46234, Start Num: 8

Candidate Starts for Obama12_78:

(Start: 4 @46452 has 30 MA's), (Start: 8 @46377 has 86 MA's), (9, 46296), (10, 46287),

Gene: Ohfah_78 Start: 45993, Stop: 45850, Start Num: 8

Candidate Starts for Ohfah_78:

(Start: 4 @46068 has 30 MA's), (Start: 8 @45993 has 86 MA's), (9, 45912), (10, 45903),

Gene: Palestino_76 Start: 46025, Stop: 45807, Start Num: 4

Candidate Starts for Palestino_76:

(Start: 4 @46025 has 30 MA's), (Start: 8 @45950 has 86 MA's), (9, 45869), (10, 45860),

Gene: Peaches_75 Start: 45952, Stop: 45809, Start Num: 8

Candidate Starts for Peaches_75:

(Start: 4 @46027 has 30 MA's), (Start: 8 @45952 has 86 MA's), (9, 45871), (10, 45862),

Gene: PeterPeter_77 Start: 45947, Stop: 45804, Start Num: 8

Candidate Starts for PeterPeter_77:

(Start: 4 @46022 has 30 MA's), (Start: 8 @45947 has 86 MA's), (9, 45866), (10, 45857),

Gene: Phacado_77 Start: 46024, Stop: 45806, Start Num: 4

Candidate Starts for Phacado_77:

(Start: 4 @46024 has 30 MA's), (Start: 8 @45949 has 86 MA's), (9, 45868), (10, 45859),

Gene: Phelipe_78 Start: 45993, Stop: 45850, Start Num: 8

Candidate Starts for Phelipe_78:

(Start: 4 @46068 has 30 MA's), (Start: 8 @45993 has 86 MA's), (9, 45912), (10, 45903),

Gene: Phighter1804_77 Start: 46014, Stop: 45871, Start Num: 8

Candidate Starts for Phighter1804_77:

(Start: 4 @46089 has 30 MA's), (Start: 8 @46014 has 86 MA's), (9, 45933), (10, 45924),

Gene: Phontbonne_77 Start: 45848, Stop: 45705, Start Num: 8

Candidate Starts for Phontbonne_77:

(Start: 4 @45923 has 30 MA's), (Start: 8 @45848 has 86 MA's), (9, 45767), (10, 45758),

Gene: Pipcraft_73 Start: 45954, Stop: 45811, Start Num: 8

Candidate Starts for Pipcraft_73:

(Start: 4 @46029 has 30 MA's), (Start: 8 @45954 has 86 MA's), (9, 45873), (10, 45864),

Gene: Polymorphads_78 Start: 45974, Stop: 45831, Start Num: 8

Candidate Starts for Polymorphads_78:

(Start: 4 @46049 has 30 MA's), (Start: 8 @45974 has 86 MA's), (9, 45893), (10, 45884),

Gene: Pumbaa_77 Start: 45898, Stop: 45755, Start Num: 8

Candidate Starts for Pumbaa_77:

(Start: 4 @45973 has 30 MA's), (Start: 8 @45898 has 86 MA's), (9, 45817), (10, 45808),

Gene: Relief_76 Start: 45950, Stop: 45807, Start Num: 8

Candidate Starts for Relief_76:

(Start: 4 @46025 has 30 MA's), (Start: 8 @45950 has 86 MA's), (9, 45869), (10, 45860),

Gene: RockieBear_74 Start: 45952, Stop: 45809, Start Num: 8

Candidate Starts for RockieBear_74:

(Start: 4 @46027 has 30 MA's), (Start: 8 @45952 has 86 MA's), (9, 45871), (10, 45862),

Gene: Romney_76 Start: 45950, Stop: 45807, Start Num: 8

Candidate Starts for Romney_76:

(Start: 4 @46025 has 30 MA's), (Start: 8 @45950 has 86 MA's), (9, 45869), (10, 45860),

Gene: Roosevelt_75 Start: 46030, Stop: 45812, Start Num: 4

Candidate Starts for Roosevelt_75:

(Start: 4 @46030 has 30 MA's), (Start: 8 @45955 has 86 MA's), (9, 45874), (10, 45865),

Gene: Rosa24_73 Start: 45981, Stop: 45838, Start Num: 8

Candidate Starts for Rosa24_73:

(Start: 4 @46056 has 30 MA's), (Start: 8 @45981 has 86 MA's), (9, 45900), (10, 45891),

Gene: Ruin_77 Start: 45946, Stop: 45803, Start Num: 8

Candidate Starts for Ruin_77:

(Start: 4 @46021 has 30 MA's), (Start: 8 @45946 has 86 MA's), (9, 45865), (10, 45856),

Gene: Sabertooth_77 Start: 45958, Stop: 45815, Start Num: 8

Candidate Starts for Sabertooth_77:

(Start: 4 @46033 has 30 MA's), (Start: 8 @45958 has 86 MA's), (9, 45877), (10, 45868),

Gene: Scamp_77 Start: 45955, Stop: 45812, Start Num: 8

Candidate Starts for Scamp_77:

(Start: 4 @46030 has 30 MA's), (Start: 8 @45955 has 86 MA's), (9, 45874), (10, 45865),

Gene: SenorClean_78 Start: 45953, Stop: 45810, Start Num: 8

Candidate Starts for SenorClean_78:

(Start: 4 @46028 has 30 MA's), (Start: 8 @45953 has 86 MA's), (9, 45872), (10, 45863),

Gene: Shaka_75 Start: 45951, Stop: 45808, Start Num: 8

Candidate Starts for Shaka_75:

(Start: 4 @46026 has 30 MA's), (Start: 8 @45951 has 86 MA's), (9, 45870), (10, 45861),

Gene: SheldonCooper_77 Start: 46391, Stop: 46248, Start Num: 8

Candidate Starts for SheldonCooper_77:

(Start: 4 @46466 has 30 MA's), (Start: 8 @46391 has 86 MA's), (9, 46310), (10, 46301),

Gene: Skipitt_76 Start: 45947, Stop: 45804, Start Num: 8

Candidate Starts for Skipitt_76:

(Start: 4 @46022 has 30 MA's), (Start: 8 @45947 has 86 MA's), (9, 45866), (10, 45857),

Gene: Sparxx_78 Start: 45949, Stop: 45806, Start Num: 8

Candidate Starts for Sparxx_78:

(Start: 4 @46024 has 30 MA's), (Start: 8 @45949 has 86 MA's), (9, 45868), (10, 45859),

Gene: Spino_76 Start: 45953, Stop: 45810, Start Num: 8

Candidate Starts for Spino_76:

(Start: 4 @46028 has 30 MA's), (Start: 8 @45953 has 86 MA's), (9, 45872), (10, 45863),

Gene: SteMason_73 Start: 45950, Stop: 45807, Start Num: 8

Candidate Starts for SteMason_73:

(Start: 4 @46025 has 30 MA's), (Start: 8 @45950 has 86 MA's), (9, 45869), (10, 45860),

Gene: Stink_77 Start: 46085, Stop: 45942, Start Num: 8

Candidate Starts for Stink_77:

(2, 46256), (Start: 4 @46163 has 30 MA's), (Start: 8 @46085 has 86 MA's), (9, 46004),

Gene: Sultana_77 Start: 46025, Stop: 45807, Start Num: 4

Candidate Starts for Sultana_77:

(Start: 4 @46025 has 30 MA's), (Start: 8 @45950 has 86 MA's), (9, 45869), (10, 45860),

Gene: Taquarus_76 Start: 45956, Stop: 45813, Start Num: 8
Candidate Starts for Taquarus_76:
(Start: 4 @46031 has 30 MA's), (Start: 8 @45956 has 86 MA's), (9, 45875), (10, 45866),

Gene: Thanksgivukkah_76 Start: 46026, Stop: 45808, Start Num: 4
Candidate Starts for Thanksgivukkah_76:
(Start: 4 @46026 has 30 MA's), (Start: 8 @45951 has 86 MA's), (9, 45870), (10, 45861),

Gene: TinaFeyge_75 Start: 46023, Stop: 45805, Start Num: 4
Candidate Starts for TinaFeyge_75:
(Start: 4 @46023 has 30 MA's), (Start: 8 @45948 has 86 MA's), (9, 45867), (10, 45858),

Gene: Tinybot_76 Start: 45980, Stop: 45837, Start Num: 8
Candidate Starts for Tinybot_76:
(Start: 4 @46055 has 30 MA's), (Start: 8 @45980 has 86 MA's), (9, 45899), (10, 45890),

Gene: TiroTheta9_76 Start: 45947, Stop: 45804, Start Num: 8
Candidate Starts for TiroTheta9_76:
(Start: 4 @46022 has 30 MA's), (Start: 8 @45947 has 86 MA's), (9, 45866), (10, 45857),

Gene: TroyPia_78 Start: 45988, Stop: 45845, Start Num: 8
Candidate Starts for TroyPia_78:
(Start: 4 @46063 has 30 MA's), (Start: 8 @45988 has 86 MA's), (9, 45907), (10, 45898),

Gene: TygerBlood_77 Start: 45953, Stop: 45810, Start Num: 8
Candidate Starts for TygerBlood_77:
(Start: 4 @46028 has 30 MA's), (Start: 8 @45953 has 86 MA's), (9, 45872), (10, 45863),

Gene: Ulysses_76 Start: 45636, Stop: 45493, Start Num: 8
Candidate Starts for Ulysses_76:
(Start: 4 @45711 has 30 MA's), (Start: 8 @45636 has 86 MA's), (9, 45555), (10, 45546),

Gene: Wander_77 Start: 46022, Stop: 45804, Start Num: 4
Candidate Starts for Wander_77:
(Start: 4 @46022 has 30 MA's), (Start: 8 @45947 has 86 MA's), (9, 45866), (10, 45857),

Gene: Wilbur_77 Start: 45950, Stop: 45807, Start Num: 8
Candidate Starts for Wilbur_77:
(Start: 4 @46025 has 30 MA's), (Start: 8 @45950 has 86 MA's), (9, 45869), (10, 45860),

Gene: YoSam321_77 Start: 45948, Stop: 45805, Start Num: 8
Candidate Starts for YoSam321_77:
(Start: 4 @46023 has 30 MA's), (Start: 8 @45948 has 86 MA's), (9, 45867), (10, 45858),