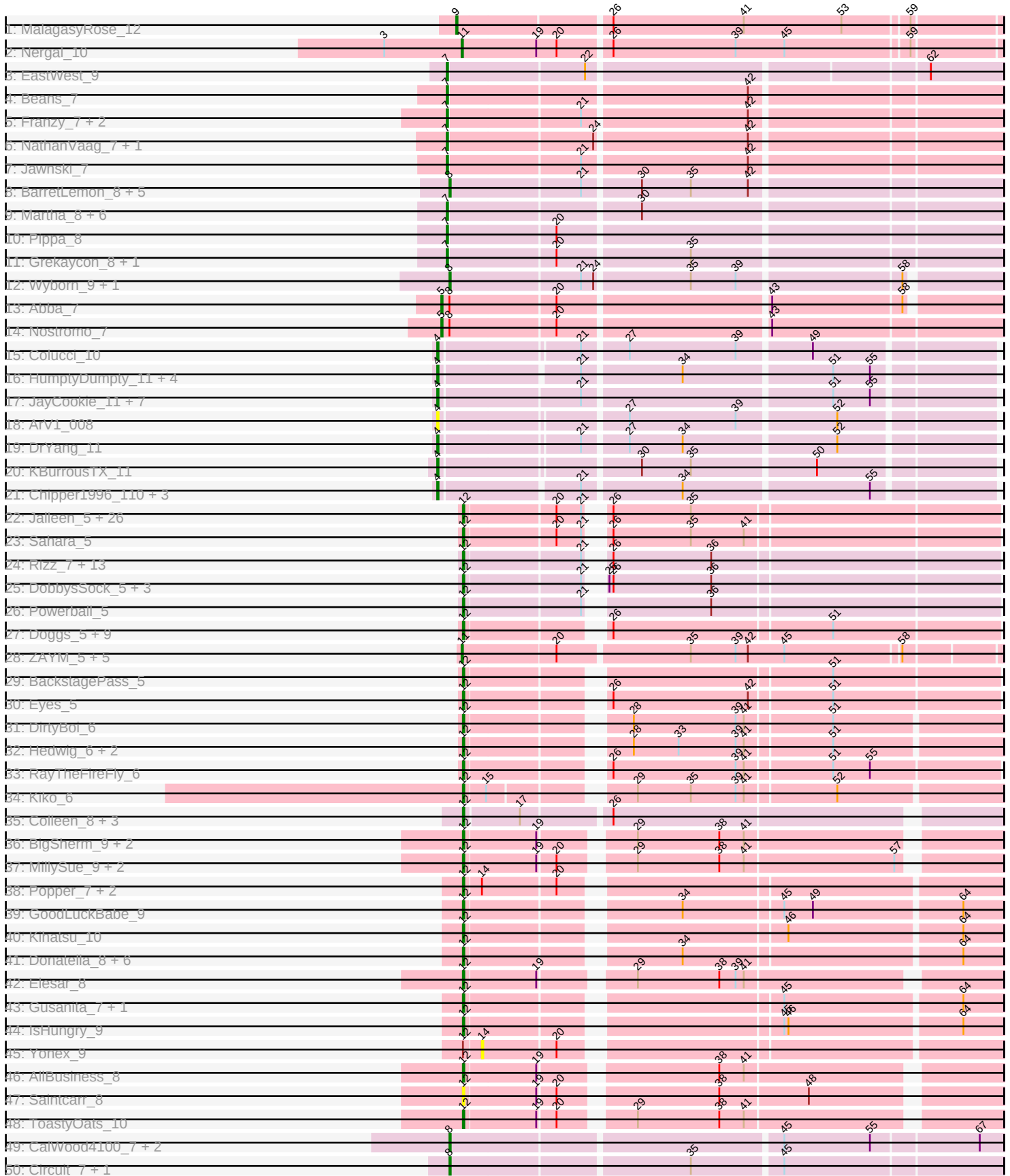
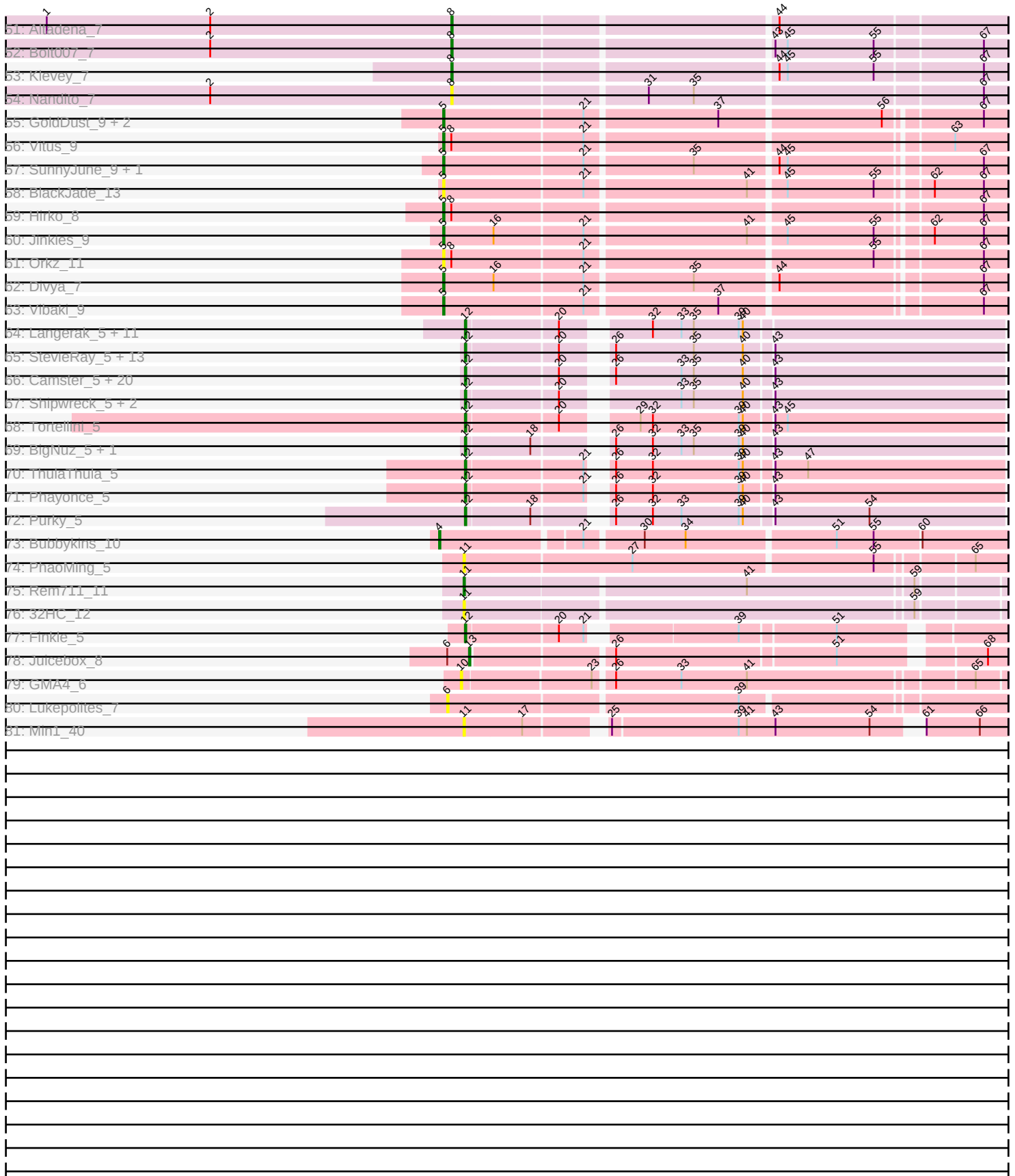


Pham 321013



Pham 321013



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 321013 Report

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

Pham number 321013 has 238 members, 31 are drafts.

Phages represented in each track:

- Track 1 : MalagasyRose_12
- Track 2 : Nergal_10
- Track 3 : EastWest_9
- Track 4 : Beans_7
- Track 5 : Franzy_7, King2_7, Brent_7
- Track 6 : NathanVaag_7, Piccoletto_7
- Track 7 : Jawnski_7
- Track 8 : BarretLemon_8, GravityBall_8, BigDome_8, StevieBAY_8, Timinator_8, LeeroyJ_8
- Track 9 : Martha_8, JKerns_8, TaeYoung_8, Jordan_8, Zartrosa_8, Sonny_8, Shade_8
- Track 10 : Pippa_8
- Track 11 : Grekaycon_8, BossLady_8
- Track 12 : Wyborn_9, Sicarius2_9
- Track 13 : Abba_7
- Track 14 : Nostromo_7
- Track 15 : Colucci_10
- Track 16 : HumptyDumpty_11, Mordred_11, JaNo_11, Kabreeze_11, Scavito_11
- Track 17 : JayCookie_11, Lymara_11, Chocolat_11, RosiePosie_11, Chubster_11, MoyaNatalis_11, Linus_11, PrincessTrina_11
- Track 18 : ArV1_008
- Track 19 : DrYang_11
- Track 20 : KBurrousTX_11
- Track 21 : Chipper1996_110, EdgarPoe_11, Tophat_11, Conboy_11
- Track 22 : Jalleen_5, Lamberg_5, EdnaMode_5, LordFarquaad_5, JCole_5, Cynthia_5, Clap_5, GemG_5, Denise_5, Vasanti_5, Attis_5, Yinzer_5, Gizermo_5, Sproutie_5, SoilAssassin_5, Nettuno_5, TuertoX_5, Ebert_5, Matteo_5, Savage_5, Bjanes7_5, FroggyToad_5, Pickett_5, Haley23_5, Mocha12_5, Yeet412_5, Whiteclaw_5
- Track 23 : Sahara_5
- Track 24 : Rizz_7, Easley_6, Clark_6, Oregano_6, Suerte_5, Tuti_6, MichaelScott_6, Dolores_6, Samman98_6, Beenie_6, Sekhmet_6, WinkNick_6, Thimann_6, Invectra_6
- Track 25 : DobbysSock_5, Dorito_5, Annalisa_6, PhriskyACE_5
- Track 26 : Powerball_5
- Track 27 : Doggs_5, Moonflower_6, GEazy_5, Bunker_5, BBQValindra_5, Bowser_5, HannahD_5, Coriander_6, NaLuna_5, Chipko_6

- Track 28 : ZAYM_5, Opie_5, TaronosaurusRx_5, MagicMan_5, Jecs_5, Schnabeltier_5
- Track 29 : BackstagePass_5
- Track 30 : Eyes_5
- Track 31 : DirtyBoi_6
- Track 32 : Hedwig_6, Dmitri_6, PatriciaStar_5
- Track 33 : RayTheFireFly_6
- Track 34 : Kiko_6
- Track 35 : Colleen_8, TouchMeNot_8, Arianna_8, Poushou_8
- Track 36 : BigSherm_9, QuinnAvery_9, Cole_7
- Track 37 : MillySue_9, Julie_9, Toodles_8
- Track 38 : Popper_7, Zaheer_9, Ryan_9
- Track 39 : GoodLuckBabe_9
- Track 40 : Kihatsu_10
- Track 41 : Donatella_8, Halloweekend_7, Nandita_9, Guinevere_9, Ichiang_7, Schism_9, Lenoxika_9
- Track 42 : Elesar_8
- Track 43 : Gusanita_7, Dirtdigger_8
- Track 44 : IsHungry_9
- Track 45 : Yonex_9
- Track 46 : AllBusiness_8
- Track 47 : Saintcarr_8
- Track 48 : ToastyOats_10
- Track 49 : CalWood4100_7, Lilmac1015_7, Prairie_7
- Track 50 : Circuit_7, Bumble_7
- Track 51 : Altadena_7
- Track 52 : Bolt007_7
- Track 53 : Klevey_7
- Track 54 : Nandito_7
- Track 55 : GoldDust_9, Gooberta_9, Music_9
- Track 56 : Vitus_9
- Track 57 : SunnyJune_9, AirForce1_8
- Track 58 : BlackJade_13
- Track 59 : Hirko_8
- Track 60 : Jinkies_9
- Track 61 : Orkz_11
- Track 62 : Divya_7
- Track 63 : Vibaki_9
- Track 64 : Langerak_5, Mangethe_5, Majeke_5, Donovan_5, GaloreK_5, Sonah_5, Phegasus_5, Jebeks_5, BronnyJr_5, Arib1_5, Juniormint_5, Techage_5
- Track 65 : StevieRay_5, Bunnies_5, Phalm_5, Megiddo_5, Polkaroo_5, Glaske_5, KilKor_5, Gavriela_5, StressBall_5, Bhagsy_5, Willsammy_5, CactusJack_5, PeanutPie_5, Ksquared_5
- Track 66 : Camster_5, Thespis_5, Malithi_5, Venti_5, Brusacoram_5, Chubbello_5, FirstPlacePfu_5, Jung_5, Kari_5, Vidya_5, HUHilltop_5, Phineas_5, Xavia_5, Dynamo_5, Necropolis_5, GreaseLightnin_5, Zilizebeth_5, Atcoo_5, Bartholomew_5, Fishburne_5, Etoile_5
- Track 67 : Shipwreck_5, Pygmy_5, Bogie_5
- Track 68 : Tortellini_5
- Track 69 : BigNuz_5, Nazo_5
- Track 70 : ThulaThula_5
- Track 71 : Phayonce_5
- Track 72 : Purky_5

- Track 73 : Bubbykins_10
- Track 74 : PhaoMing_5
- Track 75 : Rem711_11
- Track 76 : 32HC_12
- Track 77 : Finkle_5
- Track 78 : Juicebox_8
- Track 79 : GMA4_6
- Track 80 : Lukepolites_7
- Track 81 : Min1_40

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

The start number called the most often in the published annotations is 12, it was called in 135 of the 207 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AllBusiness_8, Annalisa_6, Arianna_8, Arib1_5, Atcoo_5, Attis_5, BBQValindra_5, BackstagePass_5, Bartholomew_5, Beenie_6, Bhagsy_5, BigNuz_5, BigSherm_9, Bjaner7_5, Bogie_5, Bowser_5, BronnyJr_5, Brusacoram_5, Bunker_5, Bunnies_5, CactusJack_5, Camster_5, Chipko_6, Chubbello_5, Clap_5, Clark_6, Cole_7, Colleen_8, Coriander_6, Cynthia_5, Denise_5, Dirtdigger_8, DirtyBoi_6, Dmitri_6, DobbysSock_5, Doggs_5, Dolores_6, Donatella_8, Donovan_5, Dorito_5, Dynamo_5, Easley_6, Ebert_5, EdnaMode_5, Elesar_8, Etoile_5, Eyes_5, Finkle_5, FirstPlacePfu_5, Fishburne_5, FroggyToad_5, GEazy_5, GaloreK_5, Gavriela_5, GemG_5, Gizermo_5, Glaske_5, GoodLuckBabe_9, GreaseLightnin_5, Guinevere_9, Gusanita_7, HUHilltop_5, Haley23_5, Halloweekend_7, HannahD_5, Hedwig_6, Ichiang_7, Invectra_6, IsHungry_9, JCole_5, Jalleen_5, Jebeks_5, Julie_9, Jung_5, Juniormint_5, Kari_5, Kihatsu_10, Kiko_6, KilKor_5, Ksquared_5, Lamberg_5, Langerak_5, Lenoxika_9, LordFarquaad_5, Majeke_5, Malithi_5, Mangethe_5, Matteo_5, Megiddo_5, MichaelScott_6, MillySue_9, Mocha12_5, Moonflower_6, NaLuna_5, Nandita_9, Nazo_5, Necropolis_5, Nettuno_5, Oregano_6, PatriciaStar_5, PeanutPie_5, Phalm_5, Phayonce_5, Pegasus_5, Phineas_5, PhriskyACE_5, Pickett_5, Polkaroo_5, Popper_7, Poushou_8, Powerball_5, Purky_5, Pygmy_5, QuinnAvery_9, RayTheFireFly_6, Rizz_7, Ryan_9, Sahara_5, Saintcarr_8, Samman98_6, Savage_5, Schism_9, Sekhmet_6, Shipwreck_5, SoilAssassin_5, Sonah_5, Sproutie_5, StevieRay_5, StressBall_5, Suerte_5, Techage_5, Thespis_5, Thimann_6, ThulaThula_5, ToastyOats_10, Toodles_8, Tortellini_5, TouchMeNot_8, TuertoX_5, Tuti_6, Vasanti_5, Venti_5, Vidya_5, Whiteclaw_5, Willsammy_5, WinkNick_6, Xavia_5, Yeet412_5, Yinzer_5, Zaheer_9, Zilizebeth_5,

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

- Yonex_9,

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

- 32HC_12, Abba_7, AirForce1_8, Altadena_7, ArV1_008, BarretLemon_8, Beans_7, BigDome_8, BlackJade_13, Bolt007_7, BossLady_8, Brent_7, Bubbykins_10, Bumble_7, CalWood4100_7, Chipper1996_110, Chocolat_11, Chubster_11, Circuit_7, Colucci_10, Conboy_11, Divya_7, DrYang_11, EastWest_9, EdgarPoe_11, Franzy_7, GMA4_6, GoldDust_9, Gooberta_9, GravityBall_8, Grekaycon_8, Hirko_8, HumptyDumpty_11, JKerns_8, JaNo_11, Jawnski_7, JayCookie_11, Jecs_5,

Jinkies_9, Jordan_8, Juicebox_8, KBurroustX_11, Kabreeze_11, King2_7, Klevey_7, LeeroyJ_8, Lilmac1015_7, Linus_11, Lukepolites_7, Lymara_11, MagicMan_5, MalagasyRose_12, Martha_8, Min1_40, Mordred_11, MoyaNatalis_11, Music_9, Nandito_7, NathanVaag_7, Nergal_10, Nostromo_7, Opie_5, Orkz_11, PhaoMing_5, Piccoletto_7, Pippa_8, Prairie_7, PrincessTrina_11, Rem711_11, RosiePosie_11, Scavito_11, Schnabeltier_5, Shade_8, Sicarius2_9, Sonny_8, StevieBAY_8, SunnyJune_9, TaeYoung_8, TaronosaurusRx_5, Timinator_8, Tophat_11, Vibaki_9, Vitus_9, Wyborn_9, ZAYM_5, Zartrosa_8,

Summary by start number:

Start 4:

- Found in 22 of 238 (9.2%) of genes in pham
- Manual Annotations of this start: 20 of 207
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ArV1_008 (AR), Bubbykins_10 (UNK), Chipper1996_110 (AR), Chocolat_11 (AR), Chubster_11 (AR), Colucci_10 (AR), Conboy_11 (AR), DrYang_11 (AR), EdgarPoe_11 (AR), HumptyDumpty_11 (AR), JaNo_11 (AR), JayCookie_11 (AR), KBurroustX_11 (AR), Kabreeze_11 (AR), Linus_11 (AR), Lymara_11 (AR), Mordred_11 (AR), MoyaNatalis_11 (AR), PrincessTrina_11 (AR), RosiePosie_11 (AR), Scavito_11 (AR), Tophat_11 (AR),

Start 5:

- Found in 14 of 238 (5.9%) of genes in pham
- Manual Annotations of this start: 11 of 207
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abba_7 (AO3), AirForce1_8 (FL), BlackJade_13 (FL), Divya_7 (FL), GoldDust_9 (FL), Gooberta_9 (FL), Hirko_8 (FL), Jinkies_9 (FL), Music_9 (FL), Nostromo_7 (AO3), Orkz_11 (FL), SunnyJune_9 (FL), Vibaki_9 (FL), Vitus_9 (FL),

Start 6:

- Found in 2 of 238 (0.8%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Lukepolites_7 (singleton),

Start 7:

- Found in 18 of 238 (7.6%) of genes in pham
- Manual Annotations of this start: 18 of 207
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Beans_7 (AO1), BossLady_8 (AO2), Brent_7 (AO1), EastWest_9 (AO), Franzy_7 (AO1), Grekaycon_8 (AO2), JKerns_8 (AO2), Jawnski_7 (AO1), Jordan_8 (AO2), King2_7 (AO1), Martha_8 (AO2), NathanVaag_7 (AO1), Piccoletto_7 (AO1), Pippa_8 (AO2), Shade_8 (AO2), Sonny_8 (AO2), TaeYoung_8 (AO2), Zartrosa_8 (AO2),

Start 8:

- Found in 22 of 238 (9.2%) of genes in pham
- Manual Annotations of this start: 15 of 207
- Called 77.3% of time when present
- Phage (with cluster) where this start called: Altadena_7 (FH), BarretLemon_8 (AO2), BigDome_8 (AO2), Bolt007_7 (FH), Bumble_7 (FH), CalWood4100_7 (FH), Circuit_7

(FH), GravityBall_8 (AO2), Klevey_7 (FH), LeeroyJ_8 (AO2), Lilmac1015_7 (FH), Nandito_7 (FH), Prairie_7 (FH), Sicarius2_9 (AO2), StevieBAY_8 (AO2), Timinator_8 (AO2), Wyborn_9 (AO2),

Start 9:

- Found in 1 of 238 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 207
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MalagasyRose_12 (AG),

Start 10:

- Found in 1 of 238 (0.4%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GMA4_6 (singleton),

Start 11:

- Found in 11 of 238 (4.6%) of genes in pham
- Manual Annotations of this start: 6 of 207
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 32HC_12 (Z), Jecs_5 (DB), MagicMan_5 (DB), Min1_40 (singleton), Nergal_10 (AG), Opie_5 (DB), PhaoMing_5 (UNK), Rem711_11 (Z), Schnabeltier_5 (DB), TaronosaurusRx_5 (DB), ZAYM_5 (DB),

Start 12:

- Found in 152 of 238 (63.9%) of genes in pham
- Manual Annotations of this start: 135 of 207
- Called 99.3% of time when present
- Phage (with cluster) where this start called: AllBusiness_8 (FF), Annalisa_6 (CZ4), Arianna_8 (EO), Arib1_5 (P1), Atcoo_5 (P1), Attis_5 (CZ2), BBQValindra_5 (DB), BackstagePass_5 (DB), Bartholomew_5 (P1), Beenie_6 (CZ4), Bhagsy_5 (P1), BigNuz_5 (P4), BigSherm_9 (FF), Bjaness7_5 (CZ2), Bogie_5 (P1), Bowser_5 (DB), BronnyJr_5 (P1), Brusacoram_5 (P1), Bunker_5 (DB), Bunnies_5 (P1), CactusJack_5 (P1), Camster_5 (P1), Chipko_6 (DB), Chubbello_5 (P1), Clap_5 (CZ2), Clark_6 (CZ4), Cole_7 (FF), Colleen_8 (EO), Coriander_6 (DB), Cynthia_5 (CZ2), Denise_5 (CZ5), Dirdigger_8 (FF), DirtyBoi_6 (DB), Dmitri_6 (DB), DobbysSock_5 (CZ4), Doggs_5 (DB), Dolores_6 (CZ4), Donatella_8 (FF), Donovan_5 (P1), Dorito_5 (CZ4), Dynamo_5 (P1), Easley_6 (CZ4), Ebert_5 (CZ2), EdnaMode_5 (CZ2), Elesar_8 (FF), Etoile_5 (P1), Eyes_5 (DB), Finkle_5 (singleton), FirstPlacePfu_5 (P1), Fishburne_5 (P1), FroggyToad_5 (CZ2), GEazy_5 (DB), GaloreK_5 (P1), Gavriela_5 (P1), GemG_5 (CZ2), Gizermo_5 (CZ2), Glaske_5 (P1), GoodLuckBabe_9 (FF), GreaseLightnin_5 (P1), Guinevere_9 (FF), Gusanita_7 (FF), HUHilltop_5 (P1), Haley23_5 (CZ2), Halloween_7 (FF), HannahD_5 (DB), Hedwig_6 (DB), Ichiang_7 (FF), Invectra_6 (CZ4), IsHungry_9 (FF), JCole_5 (CZ2), Jalleen_5 (CZ2), Jebeks_5 (P1), Julie_9 (FF), Jung_5 (P1), Juniormint_5 (P1), Kari_5 (P1), Kihatsu_10 (FF), Kiko_6 (DB), KilKor_5 (P1), Ksquared_5 (P1), Lamberg_5 (CZ2), Langerak_5 (P1), Lenoxika_9 (FF), LordFarquaad_5 (CZ2), Majeke_5 (P1), Malithi_5 (P1), Mangethe_5 (P1), Matteo_5 (CZ2), Megiddo_5 (P1), MichaelScott_6 (CZ4), MillySue_9 (FF), Mocha12_5 (CZ2), Moonflower_6 (DB), NaLuna_5 (DB), Nandita_9 (FF), Nazo_5 (P4), Necropolis_5 (P1), Nettuno_5 (CZ2), Oregano_6 (CZ4), PatriciaStar_5 (DB), PeanutPie_5 (P1), Phalm_5 (P1), Phayonce_5 (P5), Phegasus_5 (P1), Phineas_5 (P1), PhriskyACE_5 (CZ4), Pickett_5 (CZ2), Polkaroo_5 (P1), Popper_7 (FF), Poushou_8 (EO), Powerball_5 (CZ4), Purky_5 (P6),

Pygmy_5 (P1), QuinnAvery_9 (FF), RayTheFireFly_6 (DB), Rizz_7 (CZ4), Ryan_9 (FF), Sahara_5 (CZ2), Saintcarr_8 (FF), Samman98_6 (CZ4), Savage_5 (CZ2), Schism_9 (FF), Sekhmet_6 (CZ4), Shipwreck_5 (P1), SoilAssassin_5 (CZ2), Sonah_5 (P1), Sproutie_5 (CZ2), StevieRay_5 (P1), StressBall_5 (P1), Suerte_5 (CZ4), Techage_5 (P1), Thespis_5 (P1), Thimann_6 (CZ4), ThulaThula_5 (P5), ToastyOats_10 (FF), Toodles_8 (FF), Tortellini_5 (P2), TouchMeNot_8 (EO), TuertoX_5 (CZ2), Tuti_6 (CZ4), Vasanti_5 (CZ2), Venti_5 (P1), Vidya_5 (P1), Whiteclaw_5 (CZ2), Willsammy_5 (P1), WinkNick_6 (CZ4), Xavia_5 (P3), Yeet412_5 (CZ2), Yinzer_5 (CZ2), Zaheer_9 (FF), Zilizebeth_5 (P1),

Start 13:

- Found in 1 of 238 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 207
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Juicebox_8 (singleton),

Start 14:

- Found in 4 of 238 (1.7%) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Yonex_9 (FF),

Summary by clusters:

There are 23 clusters represented in this pham: singleton, CZ2, DB, CZ4, CZ5, FF, FH, FL, UNK, P4, P2, P3, EO, P1, P6, AG, P5, AO, AR, AO3, AO2, AO1, Z,

Info for manual annotations of cluster AG:

- Start number 9 was manually annotated 1 time for cluster AG.
- Start number 11 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster AO:

- Start number 7 was manually annotated 1 time for cluster AO.

Info for manual annotations of cluster AO1:

- Start number 7 was manually annotated 7 times for cluster AO1.

Info for manual annotations of cluster AO2:

- Start number 7 was manually annotated 10 times for cluster AO2.
- Start number 8 was manually annotated 8 times for cluster AO2.

Info for manual annotations of cluster AO3:

- Start number 5 was manually annotated 2 times for cluster AO3.

Info for manual annotations of cluster AR:

- Start number 4 was manually annotated 19 times for cluster AR.

Info for manual annotations of cluster CZ2:

- Start number 12 was manually annotated 24 times for cluster CZ2.

Info for manual annotations of cluster CZ4:

- Start number 12 was manually annotated 18 times for cluster CZ4.

Info for manual annotations of cluster CZ5:

- Start number 12 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster DB:

- Start number 11 was manually annotated 4 times for cluster DB.
- Start number 12 was manually annotated 14 times for cluster DB.

Info for manual annotations of cluster EO:

- Start number 12 was manually annotated 4 times for cluster EO.

Info for manual annotations of cluster FF:

- Start number 12 was manually annotated 23 times for cluster FF.

Info for manual annotations of cluster FH:

- Start number 8 was manually annotated 7 times for cluster FH.

Info for manual annotations of cluster FL:

- Start number 5 was manually annotated 9 times for cluster FL.

Info for manual annotations of cluster P1:

- Start number 12 was manually annotated 43 times for cluster P1.

Info for manual annotations of cluster P2:

- Start number 12 was manually annotated 1 time for cluster P2.

Info for manual annotations of cluster P3:

- Start number 12 was manually annotated 1 time for cluster P3.

Info for manual annotations of cluster P4:

- Start number 12 was manually annotated 2 times for cluster P4.

Info for manual annotations of cluster P5:

- Start number 12 was manually annotated 2 times for cluster P5.

Info for manual annotations of cluster P6:

- Start number 12 was manually annotated 1 time for cluster P6.

Info for manual annotations of cluster UNK:

- Start number 4 was manually annotated 1 time for cluster UNK.

Info for manual annotations of cluster Z:

- Start number 11 was manually annotated 1 time for cluster Z.

Gene Information:

Gene: 32HC_12 Start: 7864, Stop: 8238, Start Num: 11

Candidate Starts for 32HC_12:

(Start: 11 @7864 has 6 MA's), (59, 8179),

Gene: Abba_7 Start: 6995, Stop: 7381, Start Num: 5

Candidate Starts for Abba_7:

(Start: 5 @6995 has 11 MA's), (Start: 8 @7001 has 15 MA's), (20, 7076), (43, 7223), (58, 7316),

Gene: AirForce1_8 Start: 6643, Stop: 7029, Start Num: 5

Candidate Starts for AirForce1_8:

(Start: 5 @6643 has 11 MA's), (21, 6742), (35, 6817), (44, 6874), (45, 6880), (67, 7012),

Gene: AllBusiness_8 Start: 6227, Stop: 6586, Start Num: 12

Candidate Starts for AllBusiness_8:

(Start: 12 @6227 has 135 MA's), (19, 6278), (38, 6395), (41, 6413),

Gene: Altadena_7 Start: 6762, Stop: 7148, Start Num: 8

Candidate Starts for Altadena_7:

(1, 6465), (2, 6585), (Start: 8 @6762 has 15 MA's), (44, 6987),

Gene: Annalisa_6 Start: 4955, Stop: 5317, Start Num: 12

Candidate Starts for Annalisa_6:

(Start: 12 @4955 has 135 MA's), (21, 5036), (25, 5039), (26, 5042), (36, 5114),

Gene: ArV1_008 Start: 7635, Stop: 8015, Start Num: 4

Candidate Starts for ArV1_008:

(Start: 4 @7635 has 20 MA's), (27, 7761), (39, 7839), (52, 7908),

Gene: Arianna_8 Start: 6945, Stop: 7313, Start Num: 12

Candidate Starts for Arianna_8:

(Start: 12 @6945 has 135 MA's), (17, 6984), (26, 7044),

Gene: Arib1_5 Start: 4896, Stop: 5261, Start Num: 12

Candidate Starts for Arib1_5:

(Start: 12 @4896 has 135 MA's), (20, 4959), (32, 5010), (33, 5031), (35, 5040), (39, 5073), (40, 5076),

Gene: Atcoo_5 Start: 4880, Stop: 5245, Start Num: 12

Candidate Starts for Atcoo_5:

(Start: 12 @4880 has 135 MA's), (20, 4943), (26, 4967), (33, 5015), (35, 5024), (40, 5060), (43, 5078),

Gene: Attis_5 Start: 4464, Stop: 4826, Start Num: 12

Candidate Starts for Attis_5:

(Start: 12 @4464 has 135 MA's), (20, 4527), (21, 4545), (26, 4551), (35, 4608),

Gene: BBQValindra_5 Start: 4809, Stop: 5171, Start Num: 12

Candidate Starts for BBQValindra_5:

(Start: 12 @4809 has 135 MA's), (26, 4896), (51, 5052),

Gene: BackstagePass_5 Start: 4786, Stop: 5148, Start Num: 12

Candidate Starts for BackstagePass_5:

(Start: 12 @4786 has 135 MA's), (51, 5029),

Gene: BarretLemon_8 Start: 7142, Stop: 7528, Start Num: 8

Candidate Starts for BarretLemon_8:

(Start: 8 @7142 has 15 MA's), (21, 7235), (30, 7274), (35, 7310), (42, 7352),

Gene: Bartholomew_5 Start: 4892, Stop: 5257, Start Num: 12

Candidate Starts for Bartholomew_5:

(Start: 12 @4892 has 135 MA's), (20, 4955), (26, 4979), (33, 5027), (35, 5036), (40, 5072), (43, 5090),

Gene: Beans_7 Start: 6812, Stop: 7198, Start Num: 7

Candidate Starts for Beans_7:

(Start: 7 @6812 has 18 MA's), (42, 7022),

Gene: Beenie_6 Start: 4955, Stop: 5317, Start Num: 12

Candidate Starts for Beenie_6:

(Start: 12 @4955 has 135 MA's), (21, 5036), (26, 5042), (36, 5114),

Gene: Bhagsy_5 Start: 4883, Stop: 5248, Start Num: 12

Candidate Starts for Bhagsy_5:

(Start: 12 @4883 has 135 MA's), (20, 4946), (26, 4970), (35, 5027), (40, 5063), (43, 5081),

Gene: BigDome_8 Start: 7129, Stop: 7515, Start Num: 8

Candidate Starts for BigDome_8:

(Start: 8 @7129 has 15 MA's), (21, 7222), (30, 7261), (35, 7297), (42, 7339),

Gene: BigNuz_5 Start: 4865, Stop: 5230, Start Num: 12

Candidate Starts for BigNuz_5:

(Start: 12 @4865 has 135 MA's), (18, 4910), (26, 4952), (32, 4979), (33, 5000), (35, 5009), (39, 5042), (40, 5045), (43, 5063),

Gene: BigSherm_9 Start: 6175, Stop: 6534, Start Num: 12

Candidate Starts for BigSherm_9:

(Start: 12 @6175 has 135 MA's), (19, 6226), (29, 6283), (38, 6343), (41, 6361),

Gene: Bjaner7_5 Start: 4464, Stop: 4826, Start Num: 12

Candidate Starts for Bjaner7_5:

(Start: 12 @4464 has 135 MA's), (20, 4527), (21, 4545), (26, 4551), (35, 4608),

Gene: BlackJade_13 Start: 8974, Stop: 9360, Start Num: 5

Candidate Starts for BlackJade_13:

(Start: 5 @8974 has 11 MA's), (21, 9073), (41, 9187), (45, 9211), (55, 9274), (62, 9307), (67, 9343),

Gene: Bogie_5 Start: 4880, Stop: 5245, Start Num: 12

Candidate Starts for Bogie_5:

(Start: 12 @4880 has 135 MA's), (20, 4943), (33, 5015), (35, 5024), (40, 5060), (43, 5078),

Gene: Bolt007_7 Start: 6714, Stop: 7100, Start Num: 8

Candidate Starts for Bolt007_7:

(2, 6537), (Start: 8 @6714 has 15 MA's), (43, 6936), (45, 6945), (55, 7008), (67, 7083),

Gene: BossLady_8 Start: 7160, Stop: 7546, Start Num: 7

Candidate Starts for BossLady_8:

(Start: 7 @7160 has 18 MA's), (20, 7235), (35, 7328),

Gene: Bowser_5 Start: 4806, Stop: 5168, Start Num: 12

Candidate Starts for Bowser_5:

(Start: 12 @4806 has 135 MA's), (26, 4893), (51, 5049),

Gene: Brent_7 Start: 6810, Stop: 7196, Start Num: 7

Candidate Starts for Brent_7:

(Start: 7 @6810 has 18 MA's), (21, 6903), (42, 7020),

Gene: BronnyJr_5 Start: 4899, Stop: 5264, Start Num: 12

Candidate Starts for BronnyJr_5:

(Start: 12 @4899 has 135 MA's), (20, 4962), (32, 5013), (33, 5034), (35, 5043), (39, 5076), (40, 5079),

Gene: Brusacoram_5 Start: 4879, Stop: 5244, Start Num: 12

Candidate Starts for Brusacoram_5:

(Start: 12 @4879 has 135 MA's), (20, 4942), (26, 4966), (33, 5014), (35, 5023), (40, 5059), (43, 5077),

Gene: Bubbykins_10 Start: 8838, Stop: 9230, Start Num: 4

Candidate Starts for Bubbykins_10:

(Start: 4 @8838 has 20 MA's), (21, 8934), (30, 8973), (34, 9003), (51, 9108), (55, 9135), (60, 9168),

Gene: Bumble_7 Start: 6769, Stop: 7155, Start Num: 8

Candidate Starts for Bumble_7:

(Start: 8 @6769 has 15 MA's), (35, 6937), (45, 7000),

Gene: Bunker_5 Start: 4809, Stop: 5171, Start Num: 12

Candidate Starts for Bunker_5:

(Start: 12 @4809 has 135 MA's), (26, 4896), (51, 5052),

Gene: Bunnies_5 Start: 4892, Stop: 5257, Start Num: 12

Candidate Starts for Bunnies_5:

(Start: 12 @4892 has 135 MA's), (20, 4955), (26, 4979), (35, 5036), (40, 5072), (43, 5090),

Gene: CactusJack_5 Start: 4879, Stop: 5244, Start Num: 12

Candidate Starts for CactusJack_5:

(Start: 12 @4879 has 135 MA's), (20, 4942), (26, 4966), (35, 5023), (40, 5059), (43, 5077),

Gene: CalWood4100_7 Start: 6693, Stop: 7079, Start Num: 8

Candidate Starts for CalWood4100_7:

(Start: 8 @6693 has 15 MA's), (45, 6924), (55, 6987), (67, 7062),

Gene: Camster_5 Start: 4892, Stop: 5257, Start Num: 12

Candidate Starts for Camster_5:

(Start: 12 @4892 has 135 MA's), (20, 4955), (26, 4979), (33, 5027), (35, 5036), (40, 5072), (43, 5090),

Gene: Chipko_6 Start: 5186, Stop: 5548, Start Num: 12

Candidate Starts for Chipko_6:

(Start: 12 @5186 has 135 MA's), (26, 5273), (51, 5429),

Gene: Chipper1996_110 Start: 9277, Stop: 9657, Start Num: 4

Candidate Starts for Chipper1996_110:

(Start: 4 @9277 has 20 MA's), (21, 9373), (34, 9442), (55, 9574),

Gene: Chocolat_11 Start: 9275, Stop: 9658, Start Num: 4

Candidate Starts for Chocolat_11:

(Start: 4 @9275 has 20 MA's), (21, 9374), (51, 9548), (55, 9575),

Gene: Chubbello_5 Start: 4891, Stop: 5256, Start Num: 12

Candidate Starts for Chubbello_5:

(Start: 12 @4891 has 135 MA's), (20, 4954), (26, 4978), (33, 5026), (35, 5035), (40, 5071), (43, 5089),

Gene: Chubster_11 Start: 9045, Stop: 9428, Start Num: 4

Candidate Starts for Chubster_11:

(Start: 4 @9045 has 20 MA's), (21, 9144), (51, 9318), (55, 9345),

Gene: Circuit_7 Start: 6760, Stop: 7146, Start Num: 8

Candidate Starts for Circuit_7:

(Start: 8 @6760 has 15 MA's), (35, 6928), (45, 6991),

Gene: Clap_5 Start: 4464, Stop: 4826, Start Num: 12

Candidate Starts for Clap_5:

(Start: 12 @4464 has 135 MA's), (20, 4527), (21, 4545), (26, 4551), (35, 4608),

Gene: Clark_6 Start: 4955, Stop: 5317, Start Num: 12

Candidate Starts for Clark_6:

(Start: 12 @4955 has 135 MA's), (21, 5036), (26, 5042), (36, 5114),

Gene: Cole_7 Start: 5835, Stop: 6194, Start Num: 12

Candidate Starts for Cole_7:

(Start: 12 @5835 has 135 MA's), (19, 5886), (29, 5943), (38, 6003), (41, 6021),

Gene: Colleen_8 Start: 6945, Stop: 7313, Start Num: 12

Candidate Starts for Colleen_8:

(Start: 12 @6945 has 135 MA's), (17, 6984), (26, 7044),

Gene: Colucci_10 Start: 8778, Stop: 9158, Start Num: 4

Candidate Starts for Colucci_10:

(Start: 4 @8778 has 20 MA's), (21, 8874), (27, 8904), (39, 8982), (49, 9033),

Gene: Conboy_11 Start: 9276, Stop: 9656, Start Num: 4

Candidate Starts for Conboy_11:

(Start: 4 @9276 has 20 MA's), (21, 9372), (34, 9441), (55, 9573),

Gene: Coriander_6 Start: 5185, Stop: 5547, Start Num: 12

Candidate Starts for Coriander_6:

(Start: 12 @5185 has 135 MA's), (26, 5272), (51, 5428),

Gene: Cynthia_5 Start: 4464, Stop: 4826, Start Num: 12

Candidate Starts for Cynthia_5:

(Start: 12 @4464 has 135 MA's), (20, 4527), (21, 4545), (26, 4551), (35, 4608),

Gene: Denise_5 Start: 4473, Stop: 4835, Start Num: 12

Candidate Starts for Denise_5:

(Start: 12 @4473 has 135 MA's), (20, 4536), (21, 4554), (26, 4560), (35, 4617),

Gene: Dirtdigger_8 Start: 6096, Stop: 6458, Start Num: 12

Candidate Starts for Dirtdigger_8:

(Start: 12 @6096 has 135 MA's), (45, 6303), (64, 6429),

Gene: DirtyBoi_6 Start: 5167, Stop: 5529, Start Num: 12

Candidate Starts for DirtyBoi_6:

(Start: 12 @5167 has 135 MA's), (28, 5269), (39, 5344), (41, 5350), (51, 5410),

Gene: Divya_7 Start: 6304, Stop: 6690, Start Num: 5

Candidate Starts for Divya_7:

(Start: 5 @6304 has 11 MA's), (16, 6340), (21, 6403), (35, 6478), (44, 6535), (67, 6673),

Gene: Dmitri_6 Start: 5167, Stop: 5529, Start Num: 12

Candidate Starts for Dmitri_6:

(Start: 12 @5167 has 135 MA's), (28, 5269), (33, 5302), (39, 5344), (41, 5350), (51, 5410),

Gene: DobbysSock_5 Start: 4453, Stop: 4815, Start Num: 12

Candidate Starts for DobbysSock_5:

(Start: 12 @4453 has 135 MA's), (21, 4534), (25, 4537), (26, 4540), (36, 4612),

Gene: Doggs_5 Start: 4882, Stop: 5244, Start Num: 12

Candidate Starts for Doggs_5:

(Start: 12 @4882 has 135 MA's), (26, 4969), (51, 5125),

Gene: Dolores_6 Start: 4955, Stop: 5317, Start Num: 12

Candidate Starts for Dolores_6:

(Start: 12 @4955 has 135 MA's), (21, 5036), (26, 5042), (36, 5114),

Gene: Donatella_8 Start: 6360, Stop: 6722, Start Num: 12

Candidate Starts for Donatella_8:

(Start: 12 @6360 has 135 MA's), (34, 6498), (64, 6693),

Gene: Donovan_5 Start: 4896, Stop: 5261, Start Num: 12

Candidate Starts for Donovan_5:

(Start: 12 @4896 has 135 MA's), (20, 4959), (32, 5010), (33, 5031), (35, 5040), (39, 5073), (40, 5076),

Gene: Dorito_5 Start: 4453, Stop: 4815, Start Num: 12

Candidate Starts for Dorito_5:

(Start: 12 @4453 has 135 MA's), (21, 4534), (25, 4537), (26, 4540), (36, 4612),

Gene: DrYang_11 Start: 9210, Stop: 9590, Start Num: 4

Candidate Starts for DrYang_11:

(Start: 4 @9210 has 20 MA's), (21, 9306), (27, 9336), (34, 9375), (52, 9483),

Gene: Dynamo_5 Start: 4892, Stop: 5257, Start Num: 12

Candidate Starts for Dynamo_5:

(Start: 12 @4892 has 135 MA's), (20, 4955), (26, 4979), (33, 5027), (35, 5036), (40, 5072), (43, 5090),

Gene: Easley_6 Start: 4955, Stop: 5317, Start Num: 12

Candidate Starts for Easley_6:

(Start: 12 @4955 has 135 MA's), (21, 5036), (26, 5042), (36, 5114),

Gene: EastWest_9 Start: 7229, Stop: 7612, Start Num: 7

Candidate Starts for EastWest_9:

(Start: 7 @7229 has 18 MA's), (22, 7325), (62, 7559),

Gene: Ebert_5 Start: 4464, Stop: 4826, Start Num: 12

Candidate Starts for Ebert_5:

(Start: 12 @4464 has 135 MA's), (20, 4527), (21, 4545), (26, 4551), (35, 4608),

Gene: EdgarPoe_11 Start: 9276, Stop: 9656, Start Num: 4

Candidate Starts for EdgarPoe_11:

(Start: 4 @9276 has 20 MA's), (21, 9372), (34, 9441), (55, 9573),

Gene: EdnaMode_5 Start: 4464, Stop: 4826, Start Num: 12

Candidate Starts for EdnaMode_5:

(Start: 12 @4464 has 135 MA's), (20, 4527), (21, 4545), (26, 4551), (35, 4608),

Gene: Elesar_8 Start: 6224, Stop: 6583, Start Num: 12

Candidate Starts for Elesar_8:

(Start: 12 @6224 has 135 MA's), (19, 6275), (29, 6332), (38, 6392), (39, 6404), (41, 6410),

Gene: Etoile_5 Start: 4892, Stop: 5257, Start Num: 12

Candidate Starts for Etoile_5:

(Start: 12 @4892 has 135 MA's), (20, 4955), (26, 4979), (33, 5027), (35, 5036), (40, 5072), (43, 5090),

Gene: Eyes_5 Start: 4815, Stop: 5177, Start Num: 12

Candidate Starts for Eyes_5:

(Start: 12 @4815 has 135 MA's), (26, 4902), (42, 5001), (51, 5058),

Gene: Finkle_5 Start: 4607, Stop: 4954, Start Num: 12

Candidate Starts for Finkle_5:

(Start: 12 @4607 has 135 MA's), (20, 4670), (21, 4688), (39, 4781), (51, 4847),

Gene: FirstPlacePfu_5 Start: 4892, Stop: 5257, Start Num: 12

Candidate Starts for FirstPlacePfu_5:

(Start: 12 @4892 has 135 MA's), (20, 4955), (26, 4979), (33, 5027), (35, 5036), (40, 5072), (43, 5090),

Gene: Fishburne_5 Start: 4892, Stop: 5257, Start Num: 12

Candidate Starts for Fishburne_5:

(Start: 12 @4892 has 135 MA's), (20, 4955), (26, 4979), (33, 5027), (35, 5036), (40, 5072), (43, 5090),

Gene: Franzy_7 Start: 6810, Stop: 7196, Start Num: 7

Candidate Starts for Franzy_7:

(Start: 7 @6810 has 18 MA's), (21, 6903), (42, 7020),

Gene: FroggyToad_5 Start: 4465, Stop: 4827, Start Num: 12

Candidate Starts for FroggyToad_5:

(Start: 12 @4465 has 135 MA's), (20, 4528), (21, 4546), (26, 4552), (35, 4609),

Gene: GEazy_5 Start: 4818, Stop: 5180, Start Num: 12

Candidate Starts for GEazy_5:

(Start: 12 @4818 has 135 MA's), (26, 4905), (51, 5061),

Gene: GMA4_6 Start: 5937, Stop: 6311, Start Num: 10

Candidate Starts for GMA4_6:

(10, 5937), (23, 6027), (26, 6039), (33, 6087), (41, 6135), (65, 6291),

Gene: GaloreK_5 Start: 4896, Stop: 5261, Start Num: 12

Candidate Starts for GaloreK_5:

(Start: 12 @4896 has 135 MA's), (20, 4959), (32, 5010), (33, 5031), (35, 5040), (39, 5073), (40, 5076),

Gene: Gavriela_5 Start: 4879, Stop: 5244, Start Num: 12

Candidate Starts for Gavriela_5:

(Start: 12 @4879 has 135 MA's), (20, 4942), (26, 4966), (35, 5023), (40, 5059), (43, 5077),

Gene: GemG_5 Start: 4464, Stop: 4826, Start Num: 12

Candidate Starts for GemG_5:

(Start: 12 @4464 has 135 MA's), (20, 4527), (21, 4545), (26, 4551), (35, 4608),

Gene: Gizermo_5 Start: 4464, Stop: 4826, Start Num: 12

Candidate Starts for Gizermo_5:

(Start: 12 @4464 has 135 MA's), (20, 4527), (21, 4545), (26, 4551), (35, 4608),

Gene: Glaske_5 Start: 4879, Stop: 5244, Start Num: 12

Candidate Starts for Glaske_5:

(Start: 12 @4879 has 135 MA's), (20, 4942), (26, 4966), (35, 5023), (40, 5059), (43, 5077),

Gene: GoldDust_9 Start: 8890, Stop: 9276, Start Num: 5

Candidate Starts for GoldDust_9:

(Start: 5 @8890 has 11 MA's), (21, 8989), (37, 9082), (56, 9196), (67, 9259),

Gene: Gooberta_9 Start: 8890, Stop: 9276, Start Num: 5

Candidate Starts for Gooberta_9:

(Start: 5 @8890 has 11 MA's), (21, 8989), (37, 9082), (56, 9196), (67, 9259),

Gene: GoodLuckBabe_9 Start: 6188, Stop: 6550, Start Num: 12

Candidate Starts for GoodLuckBabe_9:

(Start: 12 @6188 has 135 MA's), (34, 6326), (45, 6395), (49, 6416), (64, 6521),

Gene: GravityBall_8 Start: 7142, Stop: 7528, Start Num: 8

Candidate Starts for GravityBall_8:

(Start: 8 @7142 has 15 MA's), (21, 7235), (30, 7274), (35, 7310), (42, 7352),

Gene: GreaseLightnin_5 Start: 4892, Stop: 5257, Start Num: 12

Candidate Starts for GreaseLightnin_5:

(Start: 12 @4892 has 135 MA's), (20, 4955), (26, 4979), (33, 5027), (35, 5036), (40, 5072), (43, 5090),

Gene: Grekaycon_8 Start: 7169, Stop: 7555, Start Num: 7

Candidate Starts for Grekaycon_8:

(Start: 7 @7169 has 18 MA's), (20, 7244), (35, 7337),

Gene: Guinevere_9 Start: 6219, Stop: 6581, Start Num: 12

Candidate Starts for Guinevere_9:

(Start: 12 @6219 has 135 MA's), (34, 6357), (64, 6552),

Gene: Gusanita_7 Start: 6107, Stop: 6469, Start Num: 12

Candidate Starts for Gusanita_7:

(Start: 12 @6107 has 135 MA's), (45, 6314), (64, 6440),

Gene: HUHilltop_5 Start: 4892, Stop: 5257, Start Num: 12

Candidate Starts for HUHilltop_5:

(Start: 12 @4892 has 135 MA's), (20, 4955), (26, 4979), (33, 5027), (35, 5036), (40, 5072), (43, 5090),

Gene: Haley23_5 Start: 4464, Stop: 4826, Start Num: 12

Candidate Starts for Haley23_5:

(Start: 12 @4464 has 135 MA's), (20, 4527), (21, 4545), (26, 4551), (35, 4608),

Gene: Halloweekend_7 Start: 5857, Stop: 6219, Start Num: 12

Candidate Starts for Halloweekend_7:

(Start: 12 @5857 has 135 MA's), (34, 5995), (64, 6190),

Gene: HannahD_5 Start: 4818, Stop: 5180, Start Num: 12

Candidate Starts for HannahD_5:

(Start: 12 @4818 has 135 MA's), (26, 4905), (51, 5061),

Gene: Hedwig_6 Start: 5167, Stop: 5529, Start Num: 12

Candidate Starts for Hedwig_6:

(Start: 12 @5167 has 135 MA's), (28, 5269), (33, 5302), (39, 5344), (41, 5350), (51, 5410),

Gene: Hirko_8 Start: 8319, Stop: 8705, Start Num: 5

Candidate Starts for Hirko_8:

(Start: 5 @8319 has 11 MA's), (Start: 8 @8325 has 15 MA's), (67, 8688),

Gene: HumptyDumpty_11 Start: 9275, Stop: 9655, Start Num: 4

Candidate Starts for HumptyDumpty_11:

(Start: 4 @9275 has 20 MA's), (21, 9371), (34, 9440), (51, 9545), (55, 9572),

Gene: Ichiang_7 Start: 5875, Stop: 6237, Start Num: 12

Candidate Starts for Ichiang_7:

(Start: 12 @5875 has 135 MA's), (34, 6013), (64, 6208),

Gene: Invecetra_6 Start: 4955, Stop: 5317, Start Num: 12

Candidate Starts for Invecetra_6:

(Start: 12 @4955 has 135 MA's), (21, 5036), (26, 5042), (36, 5114),

Gene: IsHungry_9 Start: 6181, Stop: 6543, Start Num: 12

Candidate Starts for IsHungry_9:

(Start: 12 @6181 has 135 MA's), (45, 6388), (46, 6391), (64, 6514),

Gene: JCole_5 Start: 4464, Stop: 4826, Start Num: 12

Candidate Starts for JCole_5:

(Start: 12 @4464 has 135 MA's), (20, 4527), (21, 4545), (26, 4551), (35, 4608),

Gene: JKerns_8 Start: 7199, Stop: 7585, Start Num: 7

Candidate Starts for JKerns_8:

(Start: 7 @7199 has 18 MA's), (30, 7331),

Gene: JaNo_11 Start: 9275, Stop: 9655, Start Num: 4

Candidate Starts for JaNo_11:

(Start: 4 @9275 has 20 MA's), (21, 9371), (34, 9440), (51, 9545), (55, 9572),

Gene: Jalleen_5 Start: 4464, Stop: 4826, Start Num: 12

Candidate Starts for Jalleen_5:

(Start: 12 @4464 has 135 MA's), (20, 4527), (21, 4545), (26, 4551), (35, 4608),

Gene: Jawnski_7 Start: 6807, Stop: 7193, Start Num: 7

Candidate Starts for Jawnski_7:

(Start: 7 @6807 has 18 MA's), (21, 6900), (42, 7017),

Gene: JayCookie_11 Start: 9275, Stop: 9658, Start Num: 4

Candidate Starts for JayCookie_11:

(Start: 4 @9275 has 20 MA's), (21, 9374), (51, 9548), (55, 9575),

Gene: Jebeks_5 Start: 4896, Stop: 5261, Start Num: 12

Candidate Starts for Jebeks_5:

(Start: 12 @4896 has 135 MA's), (20, 4959), (32, 5010), (33, 5031), (35, 5040), (39, 5073), (40, 5076),

Gene: Jecs_5 Start: 5039, Stop: 5413, Start Num: 11

Candidate Starts for Jecs_5:

(Start: 11 @5039 has 6 MA's), (20, 5105), (35, 5198), (39, 5231), (42, 5240), (45, 5267), (58, 5348),

Gene: Jinkies_9 Start: 7642, Stop: 8028, Start Num: 5

Candidate Starts for Jinkies_9:

(Start: 5 @7642 has 11 MA's), (16, 7678), (21, 7741), (41, 7855), (45, 7879), (55, 7942), (62, 7975), (67, 8011),

Gene: Jordan_8 Start: 7169, Stop: 7555, Start Num: 7

Candidate Starts for Jordan_8:

(Start: 7 @7169 has 18 MA's), (30, 7301),

Gene: Juicebox_8 Start: 6592, Stop: 6951, Start Num: 13

Candidate Starts for Juicebox_8:

(6, 6577), (Start: 13 @6592 has 1 MA's), (26, 6688), (51, 6844), (68, 6937),

Gene: Julie_9 Start: 6409, Stop: 6768, Start Num: 12

Candidate Starts for Julie_9:

(Start: 12 @6409 has 135 MA's), (19, 6460), (20, 6472), (29, 6517), (38, 6577), (41, 6595), (57, 6703),

Gene: Jung_5 Start: 4879, Stop: 5244, Start Num: 12

Candidate Starts for Jung_5:

(Start: 12 @4879 has 135 MA's), (20, 4942), (26, 4966), (33, 5014), (35, 5023), (40, 5059), (43, 5077),

Gene: Juniormint_5 Start: 4899, Stop: 5264, Start Num: 12

Candidate Starts for Juniormint_5:

(Start: 12 @4899 has 135 MA's), (20, 4962), (32, 5013), (33, 5034), (35, 5043), (39, 5076), (40, 5079),

Gene: KBurrousTX_11 Start: 9054, Stop: 9434, Start Num: 4

Candidate Starts for KBurrousTX_11:

(Start: 4 @9054 has 20 MA's), (30, 9189), (35, 9225), (50, 9312),

Gene: Kabreeze_11 Start: 9275, Stop: 9655, Start Num: 4

Candidate Starts for Kabreeze_11:

(Start: 4 @9275 has 20 MA's), (21, 9371), (34, 9440), (51, 9545), (55, 9572),

Gene: Kari_5 Start: 4892, Stop: 5257, Start Num: 12

Candidate Starts for Kari_5:

(Start: 12 @4892 has 135 MA's), (20, 4955), (26, 4979), (33, 5027), (35, 5036), (40, 5072), (43, 5090),

Gene: Kihatsu_10 Start: 6541, Stop: 6903, Start Num: 12

Candidate Starts for Kihatsu_10:

(Start: 12 @6541 has 135 MA's), (46, 6751), (64, 6874),

Gene: Kiko_6 Start: 5029, Stop: 5388, Start Num: 12

Candidate Starts for Kiko_6:
(Start: 12 @5029 has 135 MA's), (15, 5044), (29, 5131), (35, 5170), (39, 5203), (41, 5209), (52, 5272),

Gene: KilKor_5 Start: 4879, Stop: 5244, Start Num: 12
Candidate Starts for KilKor_5:
(Start: 12 @4879 has 135 MA's), (20, 4942), (26, 4966), (35, 5023), (40, 5059), (43, 5077),

Gene: King2_7 Start: 6812, Stop: 7198, Start Num: 7
Candidate Starts for King2_7:
(Start: 7 @6812 has 18 MA's), (21, 6905), (42, 7022),

Gene: Klevey_7 Start: 6702, Stop: 7088, Start Num: 8
Candidate Starts for Klevey_7:
(Start: 8 @6702 has 15 MA's), (44, 6927), (45, 6933), (55, 6996), (67, 7071),

Gene: Ksquared_5 Start: 4892, Stop: 5257, Start Num: 12
Candidate Starts for Ksquared_5:
(Start: 12 @4892 has 135 MA's), (20, 4955), (26, 4979), (35, 5036), (40, 5072), (43, 5090),

Gene: Lamberg_5 Start: 4464, Stop: 4826, Start Num: 12
Candidate Starts for Lamberg_5:
(Start: 12 @4464 has 135 MA's), (20, 4527), (21, 4545), (26, 4551), (35, 4608),

Gene: Langerak_5 Start: 4896, Stop: 5261, Start Num: 12
Candidate Starts for Langerak_5:
(Start: 12 @4896 has 135 MA's), (20, 4959), (32, 5010), (33, 5031), (35, 5040), (39, 5073), (40, 5076),

Gene: LeeroyJ_8 Start: 7141, Stop: 7527, Start Num: 8
Candidate Starts for LeeroyJ_8:
(Start: 8 @7141 has 15 MA's), (21, 7234), (30, 7273), (35, 7309), (42, 7351),

Gene: Lenoxika_9 Start: 6218, Stop: 6580, Start Num: 12
Candidate Starts for Lenoxika_9:
(Start: 12 @6218 has 135 MA's), (34, 6356), (64, 6551),

Gene: Lilmac1015_7 Start: 6693, Stop: 7079, Start Num: 8
Candidate Starts for Lilmac1015_7:
(Start: 8 @6693 has 15 MA's), (45, 6924), (55, 6987), (67, 7062),

Gene: Linus_11 Start: 9272, Stop: 9655, Start Num: 4
Candidate Starts for Linus_11:
(Start: 4 @9272 has 20 MA's), (21, 9371), (51, 9545), (55, 9572),

Gene: LordFarquaad_5 Start: 4464, Stop: 4826, Start Num: 12
Candidate Starts for LordFarquaad_5:
(Start: 12 @4464 has 135 MA's), (20, 4527), (21, 4545), (26, 4551), (35, 4608),

Gene: Lukepolites_7 Start: 6927, Stop: 7313, Start Num: 6
Candidate Starts for Lukepolites_7:
(6, 6927), (39, 7131),

Gene: Lymara_11 Start: 9262, Stop: 9645, Start Num: 4
Candidate Starts for Lymara_11:

(Start: 4 @9262 has 20 MA's), (21, 9361), (51, 9535), (55, 9562),

Gene: MagicMan_5 Start: 5039, Stop: 5413, Start Num: 11

Candidate Starts for MagicMan_5:

(Start: 11 @5039 has 6 MA's), (20, 5105), (35, 5198), (39, 5231), (42, 5240), (45, 5267), (58, 5348),

Gene: Majeke_5 Start: 4896, Stop: 5261, Start Num: 12

Candidate Starts for Majeke_5:

(Start: 12 @4896 has 135 MA's), (20, 4959), (32, 5010), (33, 5031), (35, 5040), (39, 5073), (40, 5076),

Gene: MalagasyRose_12 Start: 7571, Stop: 7951, Start Num: 9

Candidate Starts for MalagasyRose_12:

(Start: 9 @7571 has 1 MA's), (26, 7676), (41, 7772), (53, 7844), (59, 7889),

Gene: Malithi_5 Start: 4892, Stop: 5257, Start Num: 12

Candidate Starts for Malithi_5:

(Start: 12 @4892 has 135 MA's), (20, 4955), (26, 4979), (33, 5027), (35, 5036), (40, 5072), (43, 5090),

Gene: Mangethe_5 Start: 4896, Stop: 5261, Start Num: 12

Candidate Starts for Mangethe_5:

(Start: 12 @4896 has 135 MA's), (20, 4959), (32, 5010), (33, 5031), (35, 5040), (39, 5073), (40, 5076),

Gene: Martha_8 Start: 7106, Stop: 7492, Start Num: 7

Candidate Starts for Martha_8:

(Start: 7 @7106 has 18 MA's), (30, 7238),

Gene: Matteo_5 Start: 4464, Stop: 4826, Start Num: 12

Candidate Starts for Matteo_5:

(Start: 12 @4464 has 135 MA's), (20, 4527), (21, 4545), (26, 4551), (35, 4608),

Gene: Megiddo_5 Start: 4879, Stop: 5244, Start Num: 12

Candidate Starts for Megiddo_5:

(Start: 12 @4879 has 135 MA's), (20, 4942), (26, 4966), (35, 5023), (40, 5059), (43, 5077),

Gene: MichaelScott_6 Start: 4955, Stop: 5317, Start Num: 12

Candidate Starts for MichaelScott_6:

(Start: 12 @4955 has 135 MA's), (21, 5036), (26, 5042), (36, 5114),

Gene: MillySue_9 Start: 6172, Stop: 6531, Start Num: 12

Candidate Starts for MillySue_9:

(Start: 12 @6172 has 135 MA's), (19, 6223), (20, 6235), (29, 6280), (38, 6340), (41, 6358), (57, 6466),

Gene: Min1_40 Start: 21806, Stop: 22165, Start Num: 11

Candidate Starts for Min1_40:

(Start: 11 @21806 has 6 MA's), (17, 21848), (25, 21896), (39, 21986), (41, 21992), (43, 22013), (54, 22082), (61, 22106), (66, 22145),

Gene: Mocha12_5 Start: 4464, Stop: 4826, Start Num: 12

Candidate Starts for Mocha12_5:

(Start: 12 @4464 has 135 MA's), (20, 4527), (21, 4545), (26, 4551), (35, 4608),

Gene: Moonflower_6 Start: 5190, Stop: 5552, Start Num: 12

Candidate Starts for Moonflower_6:

(Start: 12 @5190 has 135 MA's), (26, 5277), (51, 5433),

Gene: Mordred_11 Start: 9275, Stop: 9655, Start Num: 4

Candidate Starts for Mordred_11:

(Start: 4 @9275 has 20 MA's), (21, 9371), (34, 9440), (51, 9545), (55, 9572),

Gene: MoyaNatalis_11 Start: 9275, Stop: 9658, Start Num: 4

Candidate Starts for MoyaNatalis_11:

(Start: 4 @9275 has 20 MA's), (21, 9374), (51, 9548), (55, 9575),

Gene: Music_9 Start: 8760, Stop: 9146, Start Num: 5

Candidate Starts for Music_9:

(Start: 5 @8760 has 11 MA's), (21, 8859), (37, 8952), (56, 9066), (67, 9129),

Gene: NaLuna_5 Start: 4818, Stop: 5180, Start Num: 12

Candidate Starts for NaLuna_5:

(Start: 12 @4818 has 135 MA's), (26, 4905), (51, 5061),

Gene: Nandita_9 Start: 6219, Stop: 6581, Start Num: 12

Candidate Starts for Nandita_9:

(Start: 12 @6219 has 135 MA's), (34, 6357), (64, 6552),

Gene: Nandito_7 Start: 6716, Stop: 7102, Start Num: 8

Candidate Starts for Nandito_7:

(2, 6539), (Start: 8 @6716 has 15 MA's), (31, 6851), (35, 6884), (67, 7085),

Gene: NathanVaag_7 Start: 6812, Stop: 7198, Start Num: 7

Candidate Starts for NathanVaag_7:

(Start: 7 @6812 has 18 MA's), (24, 6914), (42, 7022),

Gene: Nazo_5 Start: 4865, Stop: 5230, Start Num: 12

Candidate Starts for Nazo_5:

(Start: 12 @4865 has 135 MA's), (18, 4910), (26, 4952), (32, 4979), (33, 5000), (35, 5009), (39, 5042), (40, 5045), (43, 5063),

Gene: Necropolis_5 Start: 4892, Stop: 5257, Start Num: 12

Candidate Starts for Necropolis_5:

(Start: 12 @4892 has 135 MA's), (20, 4955), (26, 4979), (33, 5027), (35, 5036), (40, 5072), (43, 5090),

Gene: Nergal_10 Start: 8026, Stop: 8406, Start Num: 11

Candidate Starts for Nergal_10:

(3, 7969), (Start: 11 @8026 has 6 MA's), (19, 8080), (20, 8095), (26, 8131), (39, 8221), (45, 8257), (59, 8344),

Gene: Nettuno_5 Start: 4464, Stop: 4826, Start Num: 12

Candidate Starts for Nettuno_5:

(Start: 12 @4464 has 135 MA's), (20, 4527), (21, 4545), (26, 4551), (35, 4608),

Gene: Nostromo_7 Start: 7171, Stop: 7563, Start Num: 5

Candidate Starts for Nostromo_7:

(Start: 5 @7171 has 11 MA's), (Start: 8 @7177 has 15 MA's), (20, 7252), (43, 7399),

Gene: Opie_5 Start: 5048, Stop: 5422, Start Num: 11

Candidate Starts for Opie_5:

(Start: 11 @5048 has 6 MA's), (20, 5114), (35, 5207), (39, 5240), (42, 5249), (45, 5276), (58, 5357),

Gene: Oregano_6 Start: 4626, Stop: 4988, Start Num: 12

Candidate Starts for Oregano_6:

(Start: 12 @4626 has 135 MA's), (21, 4707), (26, 4713), (36, 4785),

Gene: Orkz_11 Start: 7398, Stop: 7784, Start Num: 5

Candidate Starts for Orkz_11:

(Start: 5 @7398 has 11 MA's), (Start: 8 @7404 has 15 MA's), (21, 7497), (55, 7698), (67, 7767),

Gene: PatriciaStar_5 Start: 4803, Stop: 5165, Start Num: 12

Candidate Starts for PatriciaStar_5:

(Start: 12 @4803 has 135 MA's), (28, 4905), (33, 4938), (39, 4980), (41, 4986), (51, 5046),

Gene: PeanutPie_5 Start: 4883, Stop: 5248, Start Num: 12

Candidate Starts for PeanutPie_5:

(Start: 12 @4883 has 135 MA's), (20, 4946), (26, 4970), (35, 5027), (40, 5063), (43, 5081),

Gene: Phalm_5 Start: 4879, Stop: 5244, Start Num: 12

Candidate Starts for Phalm_5:

(Start: 12 @4879 has 135 MA's), (20, 4942), (26, 4966), (35, 5023), (40, 5059), (43, 5077),

Gene: PhaoMing_5 Start: 5247, Stop: 5624, Start Num: 11

Candidate Starts for PhaoMing_5:

(Start: 11 @5247 has 6 MA's), (27, 5367), (55, 5538), (65, 5601),

Gene: Phayonce_5 Start: 4861, Stop: 5226, Start Num: 12

Candidate Starts for Phayonce_5:

(Start: 12 @4861 has 135 MA's), (21, 4942), (26, 4948), (32, 4975), (39, 5038), (40, 5041), (43, 5059),

Gene: Phegasus_5 Start: 4896, Stop: 5261, Start Num: 12

Candidate Starts for Phegasus_5:

(Start: 12 @4896 has 135 MA's), (20, 4959), (32, 5010), (33, 5031), (35, 5040), (39, 5073), (40, 5076),

Gene: Phineas_5 Start: 4880, Stop: 5245, Start Num: 12

Candidate Starts for Phineas_5:

(Start: 12 @4880 has 135 MA's), (20, 4943), (26, 4967), (33, 5015), (35, 5024), (40, 5060), (43, 5078),

Gene: PhriskyACE_5 Start: 4453, Stop: 4815, Start Num: 12

Candidate Starts for PhriskyACE_5:

(Start: 12 @4453 has 135 MA's), (21, 4534), (25, 4537), (26, 4540), (36, 4612),

Gene: Piccoletto_7 Start: 6813, Stop: 7199, Start Num: 7

Candidate Starts for Piccoletto_7:

(Start: 7 @6813 has 18 MA's), (24, 6915), (42, 7023),

Gene: Pickett_5 Start: 4464, Stop: 4826, Start Num: 12

Candidate Starts for Pickett_5:

(Start: 12 @4464 has 135 MA's), (20, 4527), (21, 4545), (26, 4551), (35, 4608),

Gene: Pippa_8 Start: 7199, Stop: 7585, Start Num: 7

Candidate Starts for Pippa_8:

(Start: 7 @7199 has 18 MA's), (20, 7274),

Gene: Polkaroo_5 Start: 4892, Stop: 5257, Start Num: 12

Candidate Starts for Polkaroo_5:

(Start: 12 @4892 has 135 MA's), (20, 4955), (26, 4979), (35, 5036), (40, 5072), (43, 5090),

Gene: Popper_7 Start: 5711, Stop: 6073, Start Num: 12

Candidate Starts for Popper_7:

(Start: 12 @5711 has 135 MA's), (14, 5723), (20, 5774),

Gene: Poushou_8 Start: 6945, Stop: 7313, Start Num: 12

Candidate Starts for Poushou_8:

(Start: 12 @6945 has 135 MA's), (17, 6984), (26, 7044),

Gene: Powerball_5 Start: 4453, Stop: 4815, Start Num: 12

Candidate Starts for Powerball_5:

(Start: 12 @4453 has 135 MA's), (21, 4534), (36, 4612),

Gene: Prairie_7 Start: 6702, Stop: 7088, Start Num: 8

Candidate Starts for Prairie_7:

(Start: 8 @6702 has 15 MA's), (45, 6933), (55, 6996), (67, 7071),

Gene: PrincessTrina_11 Start: 9275, Stop: 9658, Start Num: 4

Candidate Starts for PrincessTrina_11:

(Start: 4 @9275 has 20 MA's), (21, 9374), (51, 9548), (55, 9575),

Gene: Purky_5 Start: 4864, Stop: 5229, Start Num: 12

Candidate Starts for Purky_5:

(Start: 12 @4864 has 135 MA's), (18, 4909), (26, 4951), (32, 4978), (33, 4999), (39, 5041), (40, 5044), (43, 5062), (54, 5131),

Gene: Pygmy_5 Start: 4880, Stop: 5245, Start Num: 12

Candidate Starts for Pygmy_5:

(Start: 12 @4880 has 135 MA's), (20, 4943), (33, 5015), (35, 5024), (40, 5060), (43, 5078),

Gene: QuinnAvery_9 Start: 6175, Stop: 6534, Start Num: 12

Candidate Starts for QuinnAvery_9:

(Start: 12 @6175 has 135 MA's), (19, 6226), (29, 6283), (38, 6343), (41, 6361),

Gene: RayTheFireFly_6 Start: 5191, Stop: 5553, Start Num: 12

Candidate Starts for RayTheFireFly_6:

(Start: 12 @5191 has 135 MA's), (26, 5278), (39, 5368), (41, 5374), (51, 5434), (55, 5461),

Gene: Rem711_11 Start: 7918, Stop: 8292, Start Num: 11

Candidate Starts for Rem711_11:

(Start: 11 @7918 has 6 MA's), (41, 8116), (59, 8233),

Gene: Rizz_7 Start: 4955, Stop: 5317, Start Num: 12

Candidate Starts for Rizz_7:

(Start: 12 @4955 has 135 MA's), (21, 5036), (26, 5042), (36, 5114),

Gene: RosiePosie_11 Start: 9275, Stop: 9658, Start Num: 4

Candidate Starts for RosiePosie_11:

(Start: 4 @9275 has 20 MA's), (21, 9374), (51, 9548), (55, 9575),

Gene: Ryan_9 Start: 6329, Stop: 6691, Start Num: 12

Candidate Starts for Ryan_9:

(Start: 12 @6329 has 135 MA's), (14, 6341), (20, 6392),

Gene: Sahara_5 Start: 4455, Stop: 4817, Start Num: 12

Candidate Starts for Sahara_5:

(Start: 12 @4455 has 135 MA's), (20, 4518), (21, 4536), (26, 4542), (35, 4599), (41, 4638),

Gene: Saintcarr_8 Start: 6179, Stop: 6538, Start Num: 12

Candidate Starts for Saintcarr_8:

(Start: 12 @6179 has 135 MA's), (19, 6230), (20, 6242), (38, 6347), (48, 6410),

Gene: Samman98_6 Start: 4955, Stop: 5317, Start Num: 12

Candidate Starts for Samman98_6:

(Start: 12 @4955 has 135 MA's), (21, 5036), (26, 5042), (36, 5114),

Gene: Savage_5 Start: 4464, Stop: 4826, Start Num: 12

Candidate Starts for Savage_5:

(Start: 12 @4464 has 135 MA's), (20, 4527), (21, 4545), (26, 4551), (35, 4608),

Gene: Scavito_11 Start: 9275, Stop: 9655, Start Num: 4

Candidate Starts for Scavito_11:

(Start: 4 @9275 has 20 MA's), (21, 9371), (34, 9440), (51, 9545), (55, 9572),

Gene: Schism_9 Start: 6219, Stop: 6581, Start Num: 12

Candidate Starts for Schism_9:

(Start: 12 @6219 has 135 MA's), (34, 6357), (64, 6552),

Gene: Schnabeltier_5 Start: 5040, Stop: 5414, Start Num: 11

Candidate Starts for Schnabeltier_5:

(Start: 11 @5040 has 6 MA's), (20, 5106), (35, 5199), (39, 5232), (42, 5241), (45, 5268), (58, 5349),

Gene: Sekhmet_6 Start: 4955, Stop: 5317, Start Num: 12

Candidate Starts for Sekhmet_6:

(Start: 12 @4955 has 135 MA's), (21, 5036), (26, 5042), (36, 5114),

Gene: Shade_8 Start: 7148, Stop: 7534, Start Num: 7

Candidate Starts for Shade_8:

(Start: 7 @7148 has 18 MA's), (30, 7280),

Gene: Shipwreck_5 Start: 4880, Stop: 5245, Start Num: 12

Candidate Starts for Shipwreck_5:

(Start: 12 @4880 has 135 MA's), (20, 4943), (33, 5015), (35, 5024), (40, 5060), (43, 5078),

Gene: Sicarius2_9 Start: 7705, Stop: 8085, Start Num: 8

Candidate Starts for Sicarius2_9:

(Start: 8 @7705 has 15 MA's), (21, 7798), (24, 7807), (35, 7873), (39, 7906), (58, 8020),

Gene: SoilAssassin_5 Start: 4464, Stop: 4826, Start Num: 12

Candidate Starts for SoilAssassin_5:

(Start: 12 @4464 has 135 MA's), (20, 4527), (21, 4545), (26, 4551), (35, 4608),

Gene: Sonah_5 Start: 4896, Stop: 5261, Start Num: 12

Candidate Starts for Sonah_5:

(Start: 12 @4896 has 135 MA's), (20, 4959), (32, 5010), (33, 5031), (35, 5040), (39, 5073), (40, 5076),

Gene: Sonny_8 Start: 7169, Stop: 7555, Start Num: 7

Candidate Starts for Sonny_8:

(Start: 7 @7169 has 18 MA's), (30, 7301),

Gene: Sproutie_5 Start: 4464, Stop: 4826, Start Num: 12

Candidate Starts for Sproutie_5:

(Start: 12 @4464 has 135 MA's), (20, 4527), (21, 4545), (26, 4551), (35, 4608),

Gene: StevieBAY_8 Start: 7142, Stop: 7528, Start Num: 8

Candidate Starts for StevieBAY_8:

(Start: 8 @7142 has 15 MA's), (21, 7235), (30, 7274), (35, 7310), (42, 7352),

Gene: StevieRay_5 Start: 4883, Stop: 5248, Start Num: 12

Candidate Starts for StevieRay_5:

(Start: 12 @4883 has 135 MA's), (20, 4946), (26, 4970), (35, 5027), (40, 5063), (43, 5081),

Gene: StressBall_5 Start: 4879, Stop: 5244, Start Num: 12

Candidate Starts for StressBall_5:

(Start: 12 @4879 has 135 MA's), (20, 4942), (26, 4966), (35, 5023), (40, 5059), (43, 5077),

Gene: Suerte_5 Start: 4453, Stop: 4815, Start Num: 12

Candidate Starts for Suerte_5:

(Start: 12 @4453 has 135 MA's), (21, 4534), (26, 4540), (36, 4612),

Gene: SunnyJune_9 Start: 7978, Stop: 8364, Start Num: 5

Candidate Starts for SunnyJune_9:

(Start: 5 @7978 has 11 MA's), (21, 8077), (35, 8152), (44, 8209), (45, 8215), (67, 8347),

Gene: TaeYoung_8 Start: 7169, Stop: 7555, Start Num: 7

Candidate Starts for TaeYoung_8:

(Start: 7 @7169 has 18 MA's), (30, 7301),

Gene: TaronosaurusRx_5 Start: 5047, Stop: 5421, Start Num: 11

Candidate Starts for TaronosaurusRx_5:

(Start: 11 @5047 has 6 MA's), (20, 5113), (35, 5206), (39, 5239), (42, 5248), (45, 5275), (58, 5356),

Gene: Techage_5 Start: 4899, Stop: 5264, Start Num: 12

Candidate Starts for Techage_5:

(Start: 12 @4899 has 135 MA's), (20, 4962), (32, 5013), (33, 5034), (35, 5043), (39, 5076), (40, 5079),

Gene: Thespis_5 Start: 4879, Stop: 5244, Start Num: 12

Candidate Starts for Thespis_5:

(Start: 12 @4879 has 135 MA's), (20, 4942), (26, 4966), (33, 5014), (35, 5023), (40, 5059), (43, 5077),

Gene: Thimann_6 Start: 4955, Stop: 5317, Start Num: 12

Candidate Starts for Thimann_6:

(Start: 12 @4955 has 135 MA's), (21, 5036), (26, 5042), (36, 5114),

Gene: ThulaThula_5 Start: 4906, Stop: 5271, Start Num: 12

Candidate Starts for ThulaThula_5:

(Start: 12 @4906 has 135 MA's), (21, 4987), (26, 4993), (32, 5020), (39, 5083), (40, 5086), (43, 5104), (47, 5128),

Gene: Timinator_8 Start: 7141, Stop: 7527, Start Num: 8

Candidate Starts for Timinator_8:

(Start: 8 @7141 has 15 MA's), (21, 7234), (30, 7273), (35, 7309), (42, 7351),

Gene: ToastyOats_10 Start: 6530, Stop: 6889, Start Num: 12

Candidate Starts for ToastyOats_10:

(Start: 12 @6530 has 135 MA's), (19, 6581), (20, 6593), (29, 6638), (38, 6698), (41, 6716),

Gene: Toodles_8 Start: 6259, Stop: 6618, Start Num: 12

Candidate Starts for Toodles_8:

(Start: 12 @6259 has 135 MA's), (19, 6310), (20, 6322), (29, 6367), (38, 6427), (41, 6445), (57, 6553),

Gene: Tophat_11 Start: 9277, Stop: 9657, Start Num: 4

Candidate Starts for Tophat_11:

(Start: 4 @9277 has 20 MA's), (21, 9373), (34, 9442), (55, 9574),

Gene: Tortellini_5 Start: 4852, Stop: 5217, Start Num: 12

Candidate Starts for Tortellini_5:

(Start: 12 @4852 has 135 MA's), (20, 4915), (29, 4957), (32, 4966), (39, 5029), (40, 5032), (43, 5050), (45, 5059),

Gene: TouchMeNot_8 Start: 6945, Stop: 7313, Start Num: 12

Candidate Starts for TouchMeNot_8:

(Start: 12 @6945 has 135 MA's), (17, 6984), (26, 7044),

Gene: TuertoX_5 Start: 4464, Stop: 4826, Start Num: 12

Candidate Starts for TuertoX_5:

(Start: 12 @4464 has 135 MA's), (20, 4527), (21, 4545), (26, 4551), (35, 4608),

Gene: Tuti_6 Start: 4955, Stop: 5317, Start Num: 12

Candidate Starts for Tuti_6:

(Start: 12 @4955 has 135 MA's), (21, 5036), (26, 5042), (36, 5114),

Gene: Vasanti_5 Start: 4465, Stop: 4827, Start Num: 12

Candidate Starts for Vasanti_5:

(Start: 12 @4465 has 135 MA's), (20, 4528), (21, 4546), (26, 4552), (35, 4609),

Gene: Venti_5 Start: 4892, Stop: 5257, Start Num: 12

Candidate Starts for Venti_5:

(Start: 12 @4892 has 135 MA's), (20, 4955), (26, 4979), (33, 5027), (35, 5036), (40, 5072), (43, 5090),

Gene: Vibaki_9 Start: 8796, Stop: 9182, Start Num: 5

Candidate Starts for Vibaki_9:

(Start: 5 @8796 has 11 MA's), (21, 8895), (37, 8988), (67, 9165),

Gene: Vidya_5 Start: 4892, Stop: 5257, Start Num: 12

Candidate Starts for Vidya_5:

(Start: 12 @4892 has 135 MA's), (20, 4955), (26, 4979), (33, 5027), (35, 5036), (40, 5072), (43, 5090),

Gene: Vitus_9 Start: 8602, Stop: 8988, Start Num: 5

Candidate Starts for Vitus_9:

(Start: 5 @8602 has 11 MA's), (Start: 8 @8608 has 15 MA's), (21, 8701), (63, 8950),

Gene: Whiteclaw_5 Start: 4464, Stop: 4826, Start Num: 12

Candidate Starts for Whiteclaw_5:

(Start: 12 @4464 has 135 MA's), (20, 4527), (21, 4545), (26, 4551), (35, 4608),

Gene: Willsammy_5 Start: 4882, Stop: 5247, Start Num: 12

Candidate Starts for Willsammy_5:

(Start: 12 @4882 has 135 MA's), (20, 4945), (26, 4969), (35, 5026), (40, 5062), (43, 5080),

Gene: WinkNick_6 Start: 4955, Stop: 5317, Start Num: 12

Candidate Starts for WinkNick_6:

(Start: 12 @4955 has 135 MA's), (21, 5036), (26, 5042), (36, 5114),

Gene: Wyborn_9 Start: 7566, Stop: 7946, Start Num: 8

Candidate Starts for Wyborn_9:

(Start: 8 @7566 has 15 MA's), (21, 7659), (24, 7668), (35, 7734), (39, 7767), (58, 7881),

Gene: Xavia_5 Start: 4893, Stop: 5258, Start Num: 12

Candidate Starts for Xavia_5:

(Start: 12 @4893 has 135 MA's), (20, 4956), (26, 4980), (33, 5028), (35, 5037), (40, 5073), (43, 5091),

Gene: Yeet412_5 Start: 4464, Stop: 4826, Start Num: 12

Candidate Starts for Yeet412_5:

(Start: 12 @4464 has 135 MA's), (20, 4527), (21, 4545), (26, 4551), (35, 4608),

Gene: Yinzer_5 Start: 4464, Stop: 4826, Start Num: 12

Candidate Starts for Yinzer_5:

(Start: 12 @4464 has 135 MA's), (20, 4527), (21, 4545), (26, 4551), (35, 4608),

Gene: Yonex_9 Start: 6341, Stop: 6691, Start Num: 14

Candidate Starts for Yonex_9:

(Start: 12 @6329 has 135 MA's), (14, 6341), (20, 6392),

Gene: ZAYM_5 Start: 5040, Stop: 5414, Start Num: 11

Candidate Starts for ZAYM_5:

(Start: 11 @5040 has 6 MA's), (20, 5106), (35, 5199), (39, 5232), (42, 5241), (45, 5268), (58, 5349),

Gene: Zaheer_9 Start: 6418, Stop: 6780, Start Num: 12

Candidate Starts for Zaheer_9:

(Start: 12 @6418 has 135 MA's), (14, 6430), (20, 6481),

Gene: Zartrosa_8 Start: 7169, Stop: 7555, Start Num: 7

Candidate Starts for Zartrosa_8:

(Start: 7 @7169 has 18 MA's), (30, 7301),

Gene: Zilizebeth_5 Start: 4892, Stop: 5257, Start Num: 12

Candidate Starts for Zilizebeth_5:

(Start: 12 @4892 has 135 MA's), (20, 4955), (26, 4979), (33, 5027), (35, 5036), (40, 5072), (43, 5090),