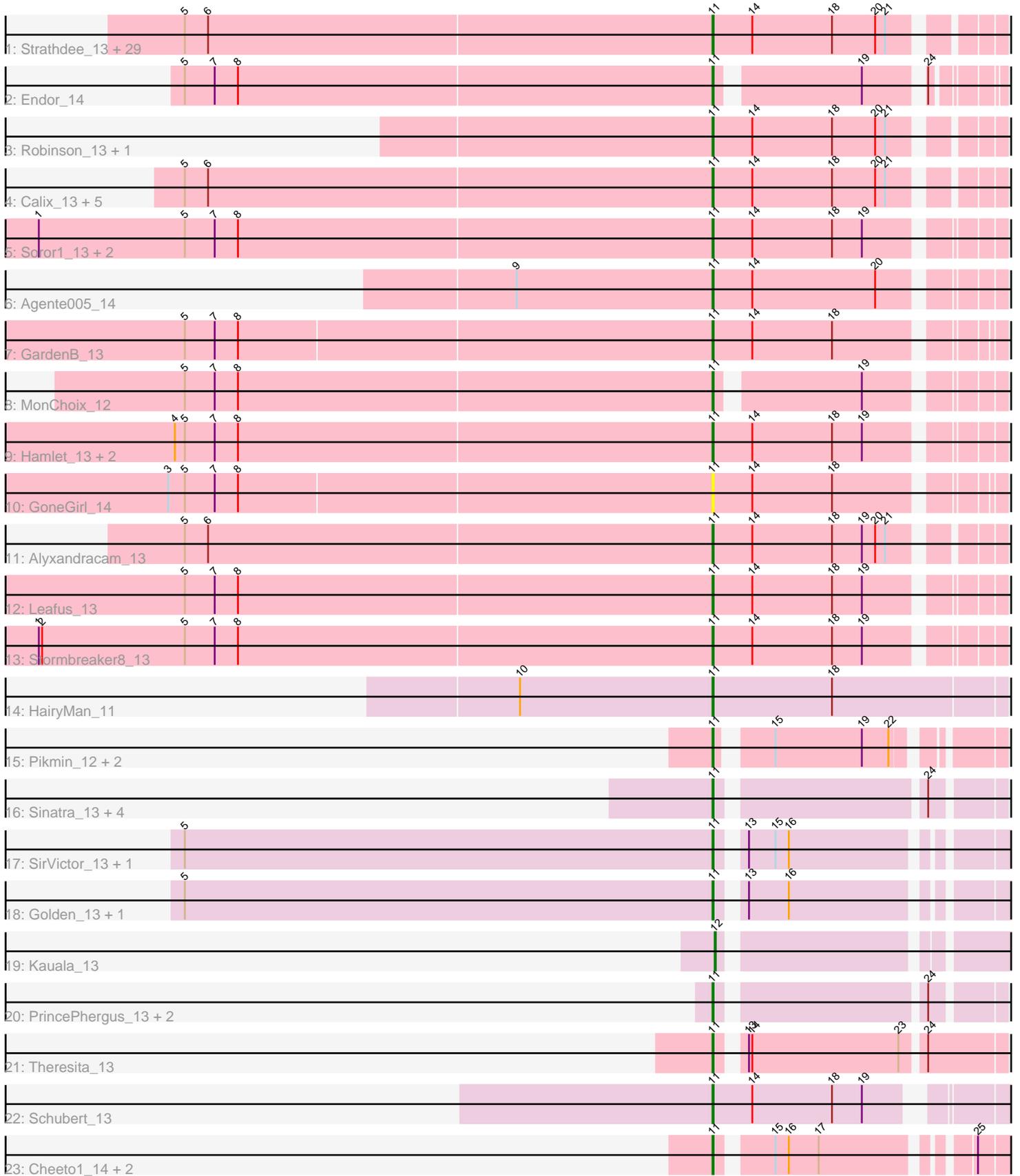# Pham 283753

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 283753 Report

This analysis was run 02/23/26 on database version 636.

Pham number 283753 has 74 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Strathdee_13, Blage_13, Antoinette_13, ShaiHulud_13, Nattles_13, Den3_13, AlexAdler_13, Etta_13, Lovelyunicorn_13, Ioannes_13, Knox_13, Velene_13, Peep_13, Vispistious_13, Raptor_13, GoingMerry_13, Baines_13, AxiPup_13, WildNOut_13, Convict_13, PuppyEggo_13, Renzie_13, Superfresh_13, BigRedClifford_13, Thompsone_13, Thorongil_13, BonesMcCoy_13, Greys_13, Dave_13, Oxtober96_13
• Track 2 : Endor_14
• Track 3 : Robinson_13, Figueroism_13
• Track 4 : Calix_13, Chamuel_13, Gelo_13, Klimt_13, SonOfLevi_13, Erla_13
• Track 5 : Soror1_13, Etna_13, KingJulien_13
• Track 6 : Agente005_14
• Track 7 : GardenB_13
• Track 8 : MonChoix_12
• Track 9 : Hamlet_13, PhillyPhantom_13, Balsa_13
• Track 10 : GoneGirl_14
• Track 11 : Alyxandracam_13
• Track 12 : Leafus_13
• Track 13 : Stormbreaker8_13
• Track 14 : HairyMan_11
• Track 15 : Pikmin_12, Casey_12, Pajaza_12
• Track 16 : Sinatra_13, Bustleton_13, Jingles_13, BouleyBill_13, Pherbot_13
• Track 17 : SirVictor_13, Guetzie_13
• Track 18 : Golden_13, Lucky3_13
• Track 19 : Kauala_13
• Track 20 : PrincePhergus_13, RenegadeRaider_13, Koji_13
• Track 21 : Theresita_13
• Track 22 : Schubert_13
• Track 23 : Cheeto1_14, GaeCeo_14, ChickenKing_13

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

The start number called the most often in the published annotations is 11, it was called in 67 of the 68 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Agente005_14, AlexAdler_13, Alyxandracam_13, Antoinette_13, AxiPup_13, Baines_13, Balsa_13, BigRedClifford_13, Blage_13, BonesMcCoy_13, BouleyBill_13, Bustleton_13, Calix_13, Casey_12, Chamuel_13, Cheeto1_14, ChickenKing_13, Convict_13, Dave_13, Den3_13, Endor_14, Erla_13, Etna_13, Etta_13, Figueroism_13, GaeCeo_14, GardenB_13, Gelo_13, GoingMerry_13, Golden_13, GoneGirl_14, Greys_13, Guetzie_13, HairyMan_11, Hamlet_13, Ioannes_13, Jingles_13, KingJulien_13, Klimt_13, Knox_13, Koji_13, Leafus_13, Lovelyunicorn_13, Lucky3_13, MonChoix_12, Nattles_13, Oxtober96_13, Pajaza_12, Peep_13, Pherbot_13, PhillyPhantom_13, Pikmin_12, PrincePhergus_13, PuppyEggo_13, Raptor_13, RenegadeRaider_13, Renzie_13, Robinson_13, Schubert_13, ShaiHulud_13, Sinatra_13, SirVictor_13, SonOfLevi_13, Soror1_13, Stormbreaker8_13, Strathdee_13, Superfresh_13, Theresita_13, Thompsone_13, Thorongil_13, Velene_13, Vispistious_13, WildNOut_13,

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

Genes that do not have the "Most Annotated" start:
• Kauala_13,

Summary by start number:

Start 11:
• Found in 73 of 74 (98.6%) of genes in pham
• Manual Annotations of this start: 67 of 68
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Agente005_14 (EA1), AlexAdler_13 (EA1), Alyxandracam_13 (EA1), Antoinette_13 (EA1), AxiPup_13 (EA1), Baines_13 (EA1), Balsa_13 (EA1), BigRedClifford_13 (EA1), Blage_13 (EA1), BonesMcCoy_13 (EA1), BouleyBill_13 (EA4), Bustleton_13 (EA4), Calix_13 (EA1), Casey_12 (EA3), Chamuel_13 (EA1), Cheeto1_14 (EA9), ChickenKing_13 (EA9), Convict_13 (EA1), Dave_13 (EA1), Den3_13 (EA1), Endor_14 (EA1), Erla_13 (EA1), Etna_13 (EA1), Etta_13 (EA1), Figueroism_13 (EA1), GaeCeo_14 (EA9), GardenB_13 (EA1), Gelo_13 (EA1), GoingMerry_13 (EA1), Golden_13 (EA4), GoneGirl_14 (EA1), Greys_13 (EA1), Guetzie_13 (EA4), HairyMan_11 (EA10), Hamlet_13 (EA1), Ioannes_13 (EA1), Jingles_13 (EA4), KingJulien_13 (EA1), Klimt_13 (EA1), Knox_13 (EA1), Koji_13 (EA4), Leafus_13 (EA1), Lovelyunicorn_13 (EA1), Lucky3_13 (EA4), MonChoix_12 (EA1), Nattles_13 (EA1), Oxtober96_13 (EA1), Pajaza_12 (EA3), Peep_13 (EA1), Pherbot_13 (EA4), PhillyPhantom_13 (EA1), Pikmin_12 (EA3), PrincePhergus_13 (EA4), PuppyEggo_13 (EA1), Raptor_13 (EA1), RenegadeRaider_13 (EA4), Renzie_13 (EA1), Robinson_13 (EA1), Schubert_13 (EA8), ShaiHulud_13 (EA1), Sinatra_13 (EA4), SirVictor_13 (EA4), SonOfLevi_13 (EA1), Soror1_13 (EA1), Stormbreaker8_13 (EA1), Strathdee_13 (EA1), Superfresh_13 (EA1), Theresita_13 (EA7), Thompsone_13 (EA1), Thorongil_13 (EA1), Velene_13 (EA1), Vispistious_13 (EA1), WildNOut_13 (EA1),

Start 12:
• Found in 1 of 74 (1.4%) of genes in pham
• Manual Annotations of this start: 1 of 68
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kauala_13 (EA4),

Summary by clusters:

There are 7 clusters represented in this pham: EA10, EA9, EA8, EA1, EA3, EA4, EA7,

Info for manual annotations of cluster EA1:
•Start number 11 was manually annotated 48 times for cluster EA1.

Info for manual annotations of cluster EA10:
•Start number 11 was manually annotated 1 time for cluster EA10.

Info for manual annotations of cluster EA3:
•Start number 11 was manually annotated 3 times for cluster EA3.

Info for manual annotations of cluster EA4:
•Start number 11 was manually annotated 10 times for cluster EA4.
•Start number 12 was manually annotated 1 time for cluster EA4.

Info for manual annotations of cluster EA7:
•Start number 11 was manually annotated 1 time for cluster EA7.

Info for manual annotations of cluster EA8:
•Start number 11 was manually annotated 1 time for cluster EA8.

Info for manual annotations of cluster EA9:
•Start number 11 was manually annotated 3 times for cluster EA9.

Gene Information:
Gene: Agente005_14 Start: 8160, Stop: 8399, Start Num: 11
Candidate Starts for Agente005_14:
(9, 7983), (Start: 11 @8160 has 67 MA's), (14, 8196), (20, 8307),

Gene: AlexAdler_13 Start: 7594, Stop: 7830, Start Num: 11
Candidate Starts for AlexAdler_13:
(5, 7120), (6, 7141), (Start: 11 @7594 has 67 MA's), (14, 7630), (18, 7702), (20, 7741), (21, 7750),

Gene: Alyxandracam_13 Start: 7603, Stop: 7839, Start Num: 11
Candidate Starts for Alyxandracam_13:
(5, 7129), (6, 7150), (Start: 11 @7603 has 67 MA's), (14, 7639), (18, 7711), (19, 7738), (20, 7750), (21, 7759),

Gene: Antoinette_13 Start: 7594, Stop: 7830, Start Num: 11
Candidate Starts for Antoinette_13:
(5, 7120), (6, 7141), (Start: 11 @7594 has 67 MA's), (14, 7630), (18, 7702), (20, 7741), (21, 7750),

Gene: AxiPup_13 Start: 7603, Stop: 7839, Start Num: 11
Candidate Starts for AxiPup_13:
(5, 7129), (6, 7150), (Start: 11 @7603 has 67 MA's), (14, 7639), (18, 7711), (20, 7750), (21, 7759),

Gene: Baines_13 Start: 7893, Stop: 8129, Start Num: 11
Candidate Starts for Baines_13:

(5, 7419), (6, 7440), (Start: 11 @7893 has 67 MA's), (14, 7929), (18, 8001), (20, 8040), (21, 8049),

Gene: Balsa_13 Start: 8011, Stop: 8250, Start Num: 11
Candidate Starts for Balsa_13:
(4, 7528), (5, 7537), (7, 7564), (8, 7585), (Start: 11 @8011 has 67 MA's), (14, 8047), (18, 8119), (19, 8146),

Gene: BigRedClifford_13 Start: 7603, Stop: 7839, Start Num: 11
Candidate Starts for BigRedClifford_13:
(5, 7129), (6, 7150), (Start: 11 @7603 has 67 MA's), (14, 7639), (18, 7711), (20, 7750), (21, 7759),

Gene: Blage_13 Start: 7603, Stop: 7839, Start Num: 11
Candidate Starts for Blage_13:
(5, 7129), (6, 7150), (Start: 11 @7603 has 67 MA's), (14, 7639), (18, 7711), (20, 7750), (21, 7759),

Gene: BonesMcCoy_13 Start: 7603, Stop: 7839, Start Num: 11
Candidate Starts for BonesMcCoy_13:
(5, 7129), (6, 7150), (Start: 11 @7603 has 67 MA's), (14, 7639), (18, 7711), (20, 7750), (21, 7759),

Gene: BouleyBill_13 Start: 7871, Stop: 8098, Start Num: 11
Candidate Starts for BouleyBill_13:
(Start: 11 @7871 has 67 MA's), (24, 8039),

Gene: Bustleton_13 Start: 7859, Stop: 8086, Start Num: 11
Candidate Starts for Bustleton_13:
(Start: 11 @7859 has 67 MA's), (24, 8027),

Gene: Calix_13 Start: 7886, Stop: 8122, Start Num: 11
Candidate Starts for Calix_13:
(5, 7412), (6, 7433), (Start: 11 @7886 has 67 MA's), (14, 7922), (18, 7994), (20, 8033), (21, 8042),

Gene: Casey_12 Start: 7906, Stop: 8121, Start Num: 11
Candidate Starts for Casey_12:
(Start: 11 @7906 has 67 MA's), (15, 7942), (19, 8020), (22, 8044),

Gene: Chamuel_13 Start: 7888, Stop: 8124, Start Num: 11
Candidate Starts for Chamuel_13:
(5, 7414), (6, 7435), (Start: 11 @7888 has 67 MA's), (14, 7924), (18, 7996), (20, 8035), (21, 8044),

Gene: Cheeto1_14 Start: 7774, Stop: 8001, Start Num: 11
Candidate Starts for Cheeto1_14:
(Start: 11 @7774 has 67 MA's), (15, 7813), (16, 7825), (17, 7852), (25, 7966),

Gene: ChickenKing_13 Start: 7594, Stop: 7821, Start Num: 11
Candidate Starts for ChickenKing_13:
(Start: 11 @7594 has 67 MA's), (15, 7633), (16, 7645), (17, 7672), (25, 7786),

Gene: Convict_13 Start: 7603, Stop: 7839, Start Num: 11
Candidate Starts for Convict_13:
(5, 7129), (6, 7150), (Start: 11 @7603 has 67 MA's), (14, 7639), (18, 7711), (20, 7750), (21, 7759),

Gene: Dave_13 Start: 7594, Stop: 7830, Start Num: 11
Candidate Starts for Dave_13:

(5, 7120), (6, 7141), (Start: 11 @7594 has 67 MA's), (14, 7630), (18, 7702), (20, 7741), (21, 7750),

Gene: Den3_13 Start: 7607, Stop: 7843, Start Num: 11
Candidate Starts for Den3_13:
(5, 7133), (6, 7154), (Start: 11 @7607 has 67 MA's), (14, 7643), (18, 7715), (20, 7754), (21, 7763),

Gene: Endor_14 Start: 8172, Stop: 8384, Start Num: 11
Candidate Starts for Endor_14:
(5, 7698), (7, 7725), (8, 7746), (Start: 11 @8172 has 67 MA's), (19, 8289), (24, 8334),

Gene: Erla_13 Start: 7886, Stop: 8122, Start Num: 11
Candidate Starts for Erla_13:
(5, 7412), (6, 7433), (Start: 11 @7886 has 67 MA's), (14, 7922), (18, 7994), (20, 8033), (21, 8042),

Gene: Etna_13 Start: 8002, Stop: 8241, Start Num: 11
Candidate Starts for Etna_13:
(1, 7396), (5, 7528), (7, 7555), (8, 7576), (Start: 11 @8002 has 67 MA's), (14, 8038), (18, 8110), (19, 8137),

Gene: Etta_13 Start: 7890, Stop: 8126, Start Num: 11
Candidate Starts for Etta_13:
(5, 7416), (6, 7437), (Start: 11 @7890 has 67 MA's), (14, 7926), (18, 7998), (20, 8037), (21, 8046),

Gene: Figueroism_13 Start: 7594, Stop: 7830, Start Num: 11
Candidate Starts for Figueroism_13:
(Start: 11 @7594 has 67 MA's), (14, 7630), (18, 7702), (20, 7741), (21, 7750),

Gene: GaeCeo_14 Start: 7764, Stop: 7991, Start Num: 11
Candidate Starts for GaeCeo_14:
(Start: 11 @7764 has 67 MA's), (15, 7803), (16, 7815), (17, 7842), (25, 7956),

Gene: GardenB_13 Start: 8002, Stop: 8238, Start Num: 11
Candidate Starts for GardenB_13:
(5, 7531), (7, 7558), (8, 7579), (Start: 11 @8002 has 67 MA's), (14, 8038), (18, 8110),

Gene: Gelo_13 Start: 7890, Stop: 8126, Start Num: 11
Candidate Starts for Gelo_13:
(5, 7416), (6, 7437), (Start: 11 @7890 has 67 MA's), (14, 7926), (18, 7998), (20, 8037), (21, 8046),

Gene: GoingMerry_13 Start: 7616, Stop: 7852, Start Num: 11
Candidate Starts for GoingMerry_13:
(5, 7142), (6, 7163), (Start: 11 @7616 has 67 MA's), (14, 7652), (18, 7724), (20, 7763), (21, 7772),

Gene: Golden_13 Start: 7951, Stop: 8181, Start Num: 11
Candidate Starts for Golden_13:
(5, 7474), (Start: 11 @7951 has 67 MA's), (13, 7966), (16, 8002),

Gene: GoneGirl_14 Start: 8108, Stop: 8344, Start Num: 11
Candidate Starts for GoneGirl_14:
(3, 7622), (5, 7637), (7, 7664), (8, 7685), (Start: 11 @8108 has 67 MA's), (14, 8144), (18, 8216),

Gene: Greys_13 Start: 7603, Stop: 7839, Start Num: 11
Candidate Starts for Greys_13:

(5, 7129), (6, 7150), (Start: 11 @7603 has 67 MA's), (14, 7639), (18, 7711), (20, 7750), (21, 7759),

Gene: Guetzie_13 Start: 7945, Stop: 8175, Start Num: 11
Candidate Starts for Guetzie_13:
(5, 7468), (Start: 11 @7945 has 67 MA's), (13, 7960), (15, 7984), (16, 7996),

Gene: HairyMan_11 Start: 7390, Stop: 7650, Start Num: 11
Candidate Starts for HairyMan_11:
(10, 7216), (Start: 11 @7390 has 67 MA's), (18, 7498),

Gene: Hamlet_13 Start: 8011, Stop: 8250, Start Num: 11
Candidate Starts for Hamlet_13:
(4, 7528), (5, 7537), (7, 7564), (8, 7585), (Start: 11 @8011 has 67 MA's), (14, 8047), (18, 8119), (19, 8146),

Gene: Ioannes_13 Start: 7603, Stop: 7839, Start Num: 11
Candidate Starts for Ioannes_13:
(5, 7129), (6, 7150), (Start: 11 @7603 has 67 MA's), (14, 7639), (18, 7711), (20, 7750), (21, 7759),

Gene: Jingles_13 Start: 7873, Stop: 8100, Start Num: 11
Candidate Starts for Jingles_13:
(Start: 11 @7873 has 67 MA's), (24, 8041),

Gene: Kauala_13 Start: 7869, Stop: 8105, Start Num: 12
Candidate Starts for Kauala_13:
(Start: 12 @7869 has 1 MA's),

Gene: KingJulien_13 Start: 8002, Stop: 8241, Start Num: 11
Candidate Starts for KingJulien_13:
(1, 7396), (5, 7528), (7, 7555), (8, 7576), (Start: 11 @8002 has 67 MA's), (14, 8038), (18, 8110), (19, 8137),

Gene: Klimt_13 Start: 7888, Stop: 8124, Start Num: 11
Candidate Starts for Klimt_13:
(5, 7414), (6, 7435), (Start: 11 @7888 has 67 MA's), (14, 7924), (18, 7996), (20, 8035), (21, 8044),

Gene: Knox_13 Start: 7603, Stop: 7839, Start Num: 11
Candidate Starts for Knox_13:
(5, 7129), (6, 7150), (Start: 11 @7603 has 67 MA's), (14, 7639), (18, 7711), (20, 7750), (21, 7759),

Gene: Koji_13 Start: 7992, Stop: 8219, Start Num: 11
Candidate Starts for Koji_13:
(Start: 11 @7992 has 67 MA's), (24, 8160),

Gene: Leafus_13 Start: 8149, Stop: 8388, Start Num: 11
Candidate Starts for Leafus_13:
(5, 7675), (7, 7702), (8, 7723), (Start: 11 @8149 has 67 MA's), (14, 8185), (18, 8257), (19, 8284),

Gene: Lovelyunicorn_13 Start: 7603, Stop: 7839, Start Num: 11
Candidate Starts for Lovelyunicorn_13:
(5, 7129), (6, 7150), (Start: 11 @7603 has 67 MA's), (14, 7639), (18, 7711), (20, 7750), (21, 7759),

Gene: Lucky3_13 Start: 7951, Stop: 8181, Start Num: 11

Candidate Starts for Lucky3_13:
(5, 7474), (Start: 11 @7951 has 67 MA's), (13, 7966), (16, 8002),

Gene: MonChoix_12 Start: 7676, Stop: 7897, Start Num: 11
Candidate Starts for MonChoix_12:
(5, 7202), (7, 7229), (8, 7250), (Start: 11 @7676 has 67 MA's), (19, 7793),

Gene: Nattles_13 Start: 7892, Stop: 8128, Start Num: 11
Candidate Starts for Nattles_13:
(5, 7418), (6, 7439), (Start: 11 @7892 has 67 MA's), (14, 7928), (18, 8000), (20, 8039), (21, 8048),

Gene: Oxtober96_13 Start: 7603, Stop: 7839, Start Num: 11
Candidate Starts for Oxtober96_13:
(5, 7129), (6, 7150), (Start: 11 @7603 has 67 MA's), (14, 7639), (18, 7711), (20, 7750), (21, 7759),

Gene: Pajaza_12 Start: 7906, Stop: 8121, Start Num: 11
Candidate Starts for Pajaza_12:
(Start: 11 @7906 has 67 MA's), (15, 7942), (19, 8020), (22, 8044),

Gene: Peep_13 Start: 7594, Stop: 7830, Start Num: 11
Candidate Starts for Peep_13:
(5, 7120), (6, 7141), (Start: 11 @7594 has 67 MA's), (14, 7630), (18, 7702), (20, 7741), (21, 7750),

Gene: Pherbot_13 Start: 7858, Stop: 8085, Start Num: 11
Candidate Starts for Pherbot_13:
(Start: 11 @7858 has 67 MA's), (24, 8026),

Gene: PhillyPhantom_13 Start: 8011, Stop: 8250, Start Num: 11
Candidate Starts for PhillyPhantom_13:
(4, 7528), (5, 7537), (7, 7564), (8, 7585), (Start: 11 @8011 has 67 MA's), (14, 8047), (18, 8119), (19, 8146),

Gene: Pikmin_12 Start: 7906, Stop: 8121, Start Num: 11
Candidate Starts for Pikmin_12:
(Start: 11 @7906 has 67 MA's), (15, 7942), (19, 8020), (22, 8044),

Gene: PrincePhergus_13 Start: 7862, Stop: 8089, Start Num: 11
Candidate Starts for PrincePhergus_13:
(Start: 11 @7862 has 67 MA's), (24, 8030),

Gene: PuppyEggo_13 Start: 7603, Stop: 7839, Start Num: 11
Candidate Starts for PuppyEggo_13:
(5, 7129), (6, 7150), (Start: 11 @7603 has 67 MA's), (14, 7639), (18, 7711), (20, 7750), (21, 7759),

Gene: Raptor_13 Start: 7603, Stop: 7839, Start Num: 11
Candidate Starts for Raptor_13:
(5, 7129), (6, 7150), (Start: 11 @7603 has 67 MA's), (14, 7639), (18, 7711), (20, 7750), (21, 7759),

Gene: RenegadeRaider_13 Start: 7861, Stop: 8088, Start Num: 11
Candidate Starts for RenegadeRaider_13:
(Start: 11 @7861 has 67 MA's), (24, 8029),

Gene: Renzie_13 Start: 7594, Stop: 7830, Start Num: 11

Candidate Starts for Renzie_13:
(5, 7120), (6, 7141), (Start: 11 @7594 has 67 MA's), (14, 7630), (18, 7702), (20, 7741), (21, 7750),

Gene: Robinson_13 Start: 7597, Stop: 7833, Start Num: 11
Candidate Starts for Robinson_13:
(Start: 11 @7597 has 67 MA's), (14, 7633), (18, 7705), (20, 7744), (21, 7753),

Gene: Schubert_13 Start: 8046, Stop: 8288, Start Num: 11
Candidate Starts for Schubert_13:
(Start: 11 @8046 has 67 MA's), (14, 8082), (18, 8154), (19, 8181),

Gene: ShaiHulud_13 Start: 7603, Stop: 7839, Start Num: 11
Candidate Starts for ShaiHulud_13:
(5, 7129), (6, 7150), (Start: 11 @7603 has 67 MA's), (14, 7639), (18, 7711), (20, 7750), (21, 7759),

Gene: Sinatra_13 Start: 7859, Stop: 8086, Start Num: 11
Candidate Starts for Sinatra_13:
(Start: 11 @7859 has 67 MA's), (24, 8027),

Gene: SirVictor_13 Start: 7945, Stop: 8175, Start Num: 11
Candidate Starts for SirVictor_13:
(5, 7468), (Start: 11 @7945 has 67 MA's), (13, 7960), (15, 7984), (16, 7996),

Gene: SonOfLevi_13 Start: 7888, Stop: 8124, Start Num: 11
Candidate Starts for SonOfLevi_13:
(5, 7414), (6, 7435), (Start: 11 @7888 has 67 MA's), (14, 7924), (18, 7996), (20, 8035), (21, 8044),

Gene: Soror1_13 Start: 8011, Stop: 8250, Start Num: 11
Candidate Starts for Soror1_13:
(1, 7405), (5, 7537), (7, 7564), (8, 7585), (Start: 11 @8011 has 67 MA's), (14, 8047), (18, 8119), (19, 8146),

Gene: Stormbreaker8_13 Start: 8002, Stop: 8241, Start Num: 11
Candidate Starts for Stormbreaker8_13:
(1, 7396), (2, 7399), (5, 7528), (7, 7555), (8, 7576), (Start: 11 @8002 has 67 MA's), (14, 8038), (18, 8110), (19, 8137),

Gene: Strathdee_13 Start: 7604, Stop: 7840, Start Num: 11
Candidate Starts for Strathdee_13:
(5, 7130), (6, 7151), (Start: 11 @7604 has 67 MA's), (14, 7640), (18, 7712), (20, 7751), (21, 7760),

Gene: Superfresh_13 Start: 7594, Stop: 7830, Start Num: 11
Candidate Starts for Superfresh_13:
(5, 7120), (6, 7141), (Start: 11 @7594 has 67 MA's), (14, 7630), (18, 7702), (20, 7741), (21, 7750),

Gene: Theresita_13 Start: 7443, Stop: 7679, Start Num: 11
Candidate Starts for Theresita_13:
(Start: 11 @7443 has 67 MA's), (13, 7458), (14, 7461), (23, 7593), (24, 7611),

Gene: Thompsone_13 Start: 7603, Stop: 7839, Start Num: 11
Candidate Starts for Thompsone_13:
(5, 7129), (6, 7150), (Start: 11 @7603 has 67 MA's), (14, 7639), (18, 7711), (20, 7750), (21, 7759),

Gene: Thorongil_13 Start: 7603, Stop: 7839, Start Num: 11
Candidate Starts for Thorongil_13:
(5, 7129), (6, 7150), (Start: 11 @7603 has 67 MA's), (14, 7639), (18, 7711), (20, 7750), (21, 7759),

Gene: Velene_13 Start: 7603, Stop: 7839, Start Num: 11
Candidate Starts for Velene_13:
(5, 7129), (6, 7150), (Start: 11 @7603 has 67 MA's), (14, 7639), (18, 7711), (20, 7750), (21, 7759),

Gene: Vispistious_13 Start: 7603, Stop: 7839, Start Num: 11
Candidate Starts for Vispistious_13:
(5, 7129), (6, 7150), (Start: 11 @7603 has 67 MA's), (14, 7639), (18, 7711), (20, 7750), (21, 7759),

Gene: WildNOut_13 Start: 7603, Stop: 7839, Start Num: 11
Candidate Starts for WildNOut_13:
(5, 7129), (6, 7150), (Start: 11 @7603 has 67 MA's), (14, 7639), (18, 7711), (20, 7750), (21, 7759),