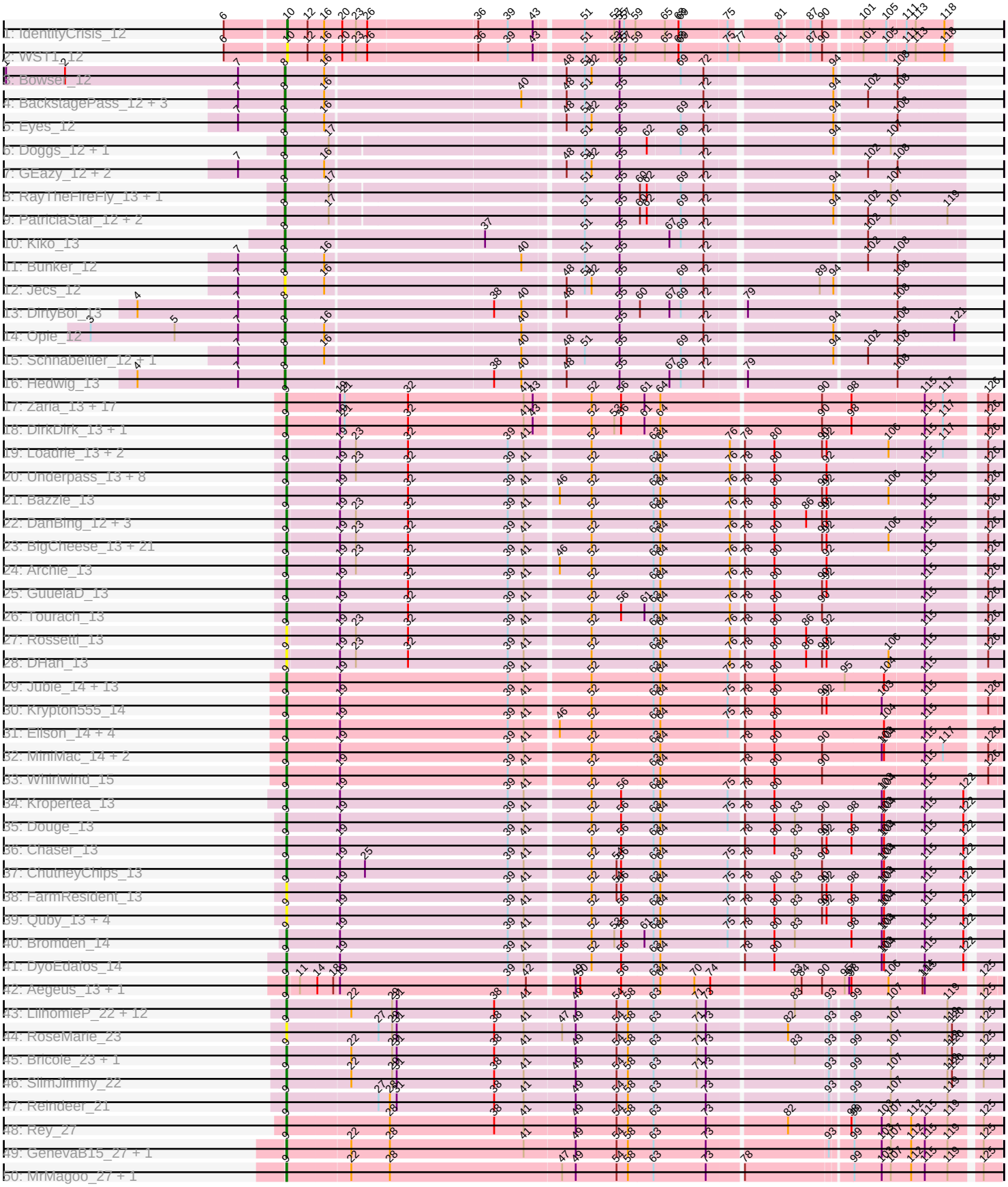
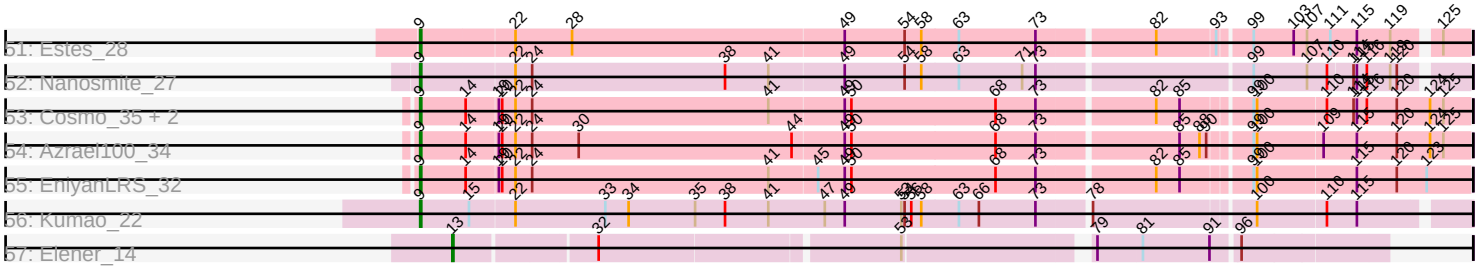
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1: IdentityCrisis_12
2: WST1_12
3: Bowser_12
4: BackstagePass_12 + 3
5: Eyes_12
6: Doggs_12 + 1
7: GEazy_12 + 2
8: RayTheFireFly_13 + 1
9: PatricIaStar_12 + 2
10: Kiko_13
11: Bunker_12
12: Jecs_12
13: DirtyBoi_13
14: Opie_12
15: Schnabeltier_12 + 1
16: Hedwig_13
17: Zaria_13 + 17
18: DirkDirk_13 + 1
19: Loadrie_13 + 2
20: Underpass_13 + 8
21: Bazzle_13
22: DanBing_12 + 3
23: BigCheese_13 + 21
24: Archie_13
25: GuuelaD_13
26: Tourach_13
27: Rossetti_13
28: DHan_13
29: Jubie_14 + 13
30: Krypton555_14
31: Ellson_14 + 4
32: MiniMac_14 + 2
33: Whirlwind_15
34: Kropertea_13
35: Douge_13
36: Chaser_13
37: ChutneyChips_13
38: FarmResident_13
39: Quby_13 + 4
40: Bromden_14
41: DyoEdalos_14
42: Aegeus_13 + 1
43: LilnomieP_22 + 12
44: RoseMarie_23
45: Bricole_23 + 1
46: SlimJimmy_22
47: Reindeer_21
48: Rey_27
49: GenevaB15_27 + 1
50: MrMagoo_27 + 1

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51: Estes_28
52: Nanosmite_27
53: Cosmo_35 + 2
54: Azrael100_34
55: EmiyahLRS_32
56: Kumao_22
57: Elener_14

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 347333 Report

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

Pham number 347333 has 160 members, 34 are drafts.

Phages represented in each track:
• Track 1 : IdentityCrisis_12
• Track 2 : WST1_12
• Track 3 : Bowser_12
• Track 4 : BackstagePass_12, ZAYM_12, BBQValindra_12, TaronosaurasRx_12
• Track 5 : Eyes_12
• Track 6 : Doggs_12, Coriander_13
• Track 7 : GEazy_12, HannahD_12, NaLuna_12
• Track 8 : RayTheFireFly_13, Moonflower_13
• Track 9 : PatriciaStar_12, Dmitri_13, Chipko_13
• Track 10 : Kiko_13
• Track 11 : Bunker_12
• Track 12 : Jecs_12
• Track 13 : DirtyBoi_13
• Track 14 : Opie_12
• Track 15 : Schnabeltier_12, MagicMan_12
• Track 16 : Hedwig_13
• Track 17 : Zaria_13, Wyatt2_13, Silverleaf_13, Appletree2_13, AvadaKedavra_13, Rose5_13, Acquire49_13, Tyson_13, LeBron_13, UPIE_13, CicholasNage_13, Halena_13, Enceladus_13, MAckerman_13, Poochiewood_13, Wamburgrxpress_13, Calm_13, JoeDirt_13
• Track 18 : DirkDirk_13, OhShagHennessy_13
• Track 19 : Loadrie_13, OverPar_13, Wigglewiggle_13
• Track 20 : Underpass_13, LilDestine_13, Kahlid_13, Nicholasp3_13, SoJulia_13, ChengKai98_13, Finemlucis_13, Gardann_13, Wilder_13
• Track 21 : Bazzle_13
• Track 22 : DanBing_12, Baoshan_12, Claus_13, ZhongYanYuan_12
• Track 23 : BigCheese_13, Faith1_13, Miley16_13, DrSeegs_13, Lewan_13, MkaliMitinis3_13, BobsGarage_13, Sarshaun_13, Zakai_13, Hafay_13, Vetrix_13, Soap141_13, Crossroads_13, Gabriela_13, Itos_13, Winky_13, Breezona_13, Molivier_13, Lynnae_13, Hiraya_13, Rumpelstiltskin_13, Netyap_13
• Track 24 : Archie_13
• Track 25 : GuuelaD_13
• Track 26 : Tourach_13
• Track 27 : Rossetti_13
• Track 28 : DHan_13
• Track 29 : Jubie_14, Kingsolomon_14, TriFive_14, Snenia_14, Finnry_14, Nicholas_14, Moostard_14, MsGreen_14, Jobypre_14, Clautastrophe_14, Bellis_14,

Red305_14, Samty_14, Lumos_14
• Track 30 : Krypton555_14
• Track 31 : Ellson_14, KirDoubleO7_12, BourbonZero_13, DuncansLeg_14, LiyuLake_14
• Track 32 : MiniMac_14, Lolly9_14, MiniLon_14
• Track 33 : Whirlwind_15
• Track 34 : Kropertea_13
• Track 35 : Douge_13
• Track 36 : Chaser_13
• Track 37 : ChutneyChips_13
• Track 38 : FarmResident_13
• Track 39 : Quby_13, Douzhi_13, BrainDrainer_14, Sheng711_13, PYPDinur_13
• Track 40 : Bromden_14
• Track 41 : DyoEdafos_14
• Track 42 : Aegeus_13, Baudelaire_13
• Track 43 : LilhomieP_22, Auspice_23, Dulcita_24, TyDawg_23, IPhane7_23, Glaske16_24, Skinny_24, Bongo_23, Izel_24, FreakyGoo_24, PegLeg_23, TpudiCK_24, Diminimus_24
• Track 44 : RoseMarie_23
• Track 45 : Bricole_23, KleverKiS_23
• Track 46 : SlimJimmy_22
• Track 47 : Reindeer_21
• Track 48 : Rey_27
• Track 49 : GenevaB15_27, Aziz_27
• Track 50 : MrMagoo_27, GardenSalsa_27
• Track 51 : Estes_28
• Track 52 : Nanosmite_27
• Track 53 : Cosmo_35, MaryV_35, Wildcat_35
• Track 54 : Azrael100_34
• Track 55 : EniyanLRS_32
• Track 56 : Kumao_22
• Track 57 : Elener_14

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

The start number called the most often in the published annotations is 9, it was called in 106 of the 126 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Acquire49_13, Aegeus_13, Appletree2_13, Archie_13, Auspice_23, AvadaKedavra_13, Aziz_27, Azrael100_34, Baoshan_12, Baudelaire_13, Bazzle_13, Bellis_14, BigCheese_13, BobsGarage_13, Bongo_23, BourbonZero_13, BrainDrainer_14, Breezona_13, Bricole_23, Bromden_14, Calm_13, Chaser_13, ChengKai98_13, ChutneyChips_13, CicholasNage_13, Claus_13, Clautastrophe_14, Cosmo_35, Crossroads_13, DHan_13, DanBing_12, Diminimus_24, DirkDirk_13, Douge_13, Douzhi_13, DrSeegs_13, Dulcita_24, DuncansLeg_14, DyoEdafos_14, Ellson_14, Enceladus_13, EniyanLRS_32, Estes_28, Faith1_13, FarmResident_13, Finemlucis_13, Finnry_14, FreakyGoo_24, Gabriela_13, Gardann_13, GardenSalsa_27, GenevaB15_27, Glaske16_24, GuuelaD_13, Hafay_13, Halena_13, Hiraya_13, IPhane7_23, Itos_13, Izel_24, Jobypre_14, JoeDirt_13,

Jubie_14, Kahlid_13, Kingsolomon_14, KirDoubleO7_12, KleverKiS_23, Kropertea_13, Krypton555_14, Kumao_22, LeBron_13, Lewan_13, LilDestine_13, LilhomieP_22, LiyuLake_14, Loadrie_13, Lolly9_14, Lumos_14, Lynnae_13, MAckerman_13, MaryV_35, Miley16_13, MiniLon_14, MiniMac_14, MkaliMitinis3_13, Molivier_13, Moostard_14, MrMagoo_27, MsGreen_14, Nanosmite_27, Netyap_13, Nicholas_14, Nicholasp3_13, OhShagHennessy_13, OverPar_13, PYPDinur_13, PegLeg_23, Poochiewood_13, Quby_13, Red305_14, Reindeer_21, Rey_27, Rose5_13, RoseMarie_23, Rossetti_13, Rumpelstiltskin_13, Samty_14, Sarshaun_13, Sheng711_13, Silverleaf_13, Skinny_24, SlimJimmy_22, Snenia_14, SoJulia_13, Soap141_13, Tourach_13, TpudiCK_24, TriFive_14, TyDawg_23, Tyson_13, UPIE_13, Underpass_13, Vetrix_13, Wamburgrxpress_13, Whirlwind_15, Wigglewiggle_13, Wildcat_35, Wilder_13, Winky_13, Wyatt2_13, Zakai_13, Zaria_13, ZhongYanYuan_12,

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

Genes that do not have the "Most Annotated" start:
• BBQValindra_12, BackstagePass_12, Bowser_12, Bunker_12, Chipko_13, Coriander_13, DirtyBoi_13, Dmitri_13, Doggs_12, Elener_14, Eyes_12, GEazy_12, HannahD_12, Hedwig_13, IdentityCrisis_12, Jecs_12, Kiko_13, MagicMan_12, Moonflower_13, NaLuna_12, Opie_12, PatriciaStar_12, RayTheFireFly_13, Schnabeltier_12, TaronosaurasRx_12, WST1_12, ZAYM_12,

Summary by start number:

Start 8:
• Found in 24 of 160 (15.0%) of genes in pham
• Manual Annotations of this start: 18 of 126
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BBQValindra_12 (DB), BackstagePass_12 (DB), Bowser_12 (DB), Bunker_12 (DB), Chipko_13 (DB), Coriander_13 (DB), DirtyBoi_13 (DB), Dmitri_13 (DB), Doggs_12 (DB), Eyes_12 (DB), GEazy_12 (DB), HannahD_12 (DB), Hedwig_13 (DB), Jecs_12 (DB), Kiko_13 (DB), MagicMan_12 (DB), Moonflower_13 (DB), NaLuna_12 (DB), Opie_12 (DB), PatriciaStar_12 (DB), RayTheFireFly_13 (DB), Schnabeltier_12 (DB), TaronosaurasRx_12 (DB), ZAYM_12 (DB),

Start 9:
• Found in 133 of 160 (83.1%) of genes in pham
• Manual Annotations of this start: 106 of 126
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Acquire49_13 (L1), Aegeus_13 (L5), Appletree2_13 (L1), Archie_13 (L2), Auspice_23 (M1), AvadaKedavra_13 (L1), Aziz_27 (M2), Azrael100_34 (V), Baoshan_12 (L2), Baudelaire_13 (L5), Bazzle_13 (L2), Bellis_14 (L3), BigCheese_13 (L2), BobsGarage_13 (L2), Bongo_23 (M1), BourbonZero_13 (L3), BrainDrainer_14 (L4), Breezona_13 (L2), Bricole_23 (M1), Bromden_14 (L4), Calm_13 (L1), Chaser_13 (L4), ChengKai98_13 (L2), ChutneyChips_13 (L4), CicholasNage_13 (L1), Claus_13 (L2), Clautastrophe_14 (L3), Cosmo_35 (V), Crossroads_13 (L2), DHan_13 (L2), DanBing_12 (L2), Diminimus_24 (M1), DirkDirk_13 (L1), Douge_13 (L4), Douzhi_13 (L4), DrSeegs_13 (L2), Dulcita_24 (M1), DuncansLeg_14 (L3), DyoEdafos_14 (L4), Ellson_14 (L3), Enceladus_13 (L1), EniyanLRS_32 (V), Estes_28 (M2), Faith1_13 (L2),

FarmResident_13 (L4), Finemlucis_13 (L2), Finnry_14 (L3), FreakyGoo_24 (M1), Gabriela_13 (L2), Gardann_13 (L2), GardenSalsa_27 (M2), GenevaB15_27 (M2), Glaske16_24 (M1), GuuelaD_13 (L2), Hafay_13 (L2), Halena_13 (L1), Hiraya_13 (L2), IPhane7_23 (M1), Itos_13 (L2), Izel_24 (M1), Jobypre_14 (L3), JoeDirt_13 (L1), Jubie_14 (L3), Kahlid_13 (L2), Kingsolomon_14 (L3), KirDoubleO7_12 (L3), KleverKiS_23 (M1), Kropertea_13 (L4), Krypton555_14 (L3), Kumao_22 (singleton), LeBron_13 (L1), Lewan_13 (L2), LilDestine_13 (L2), LilhomieP_22 (M1), LiyuLake_14 (L3), Loadrie_13 (L2), Lolly9_14 (L3), Lumos_14 (L3), Lynnae_13 (L2), MAckerman_13 (L1), MaryV_35 (V), Miley16_13 (L2), MiniLon_14 (L3), MiniMac_14 (L3), MkaliMitinis3_13 (L2), Molivier_13 (L2), Moostard_14 (L3), MrMagoo_27 (M2), MsGreen_14 (L3), Nanosmite_27 (M3), Netyap_13 (L2), Nicholas_14 (L3), Nicholasp3_13 (L2), OhShagHennessy_13 (L1), OverPar_13 (L2), PYPDinur_13 (L4), PegLeg_23 (M1), Poochiewood_13 (L1), Quby_13 (L4), Red305_14 (L3), Reindeer_21 (M1), Rey_27 (M2), Rose5_13 (L1), RoseMarie_23 (M1), Rossetti_13 (L2), Rumpelstiltskin_13 (L2), Samty_14 (L3), Sarshaun_13 (L2), Sheng711_13 (L4), Silverleaf_13 (L1), Skinny_24 (M1), SlimJimmy_22 (M1), Snenia_14 (L3), SoJulia_13 (L2), Soap141_13 (L2), Tourach_13 (L2), TpudiCK_24 (M1), TriFive_14 (L3), TyDawg_23 (M1), Tyson_13 (L1), UPIE_13 (L1), Underpass_13 (L2), Vetrix_13 (L2), Wamburgrxpress_13 (L1), Whirlwind_15 (L3), Wigglewiggle_13 (L2), Wildcat_35 (V), Wilder_13 (L2), Winky_13 (L2), Wyatt2_13 (L1), Zakai_13 (L2), Zaria_13 (L1), ZhongYanYuan_12 (L2),

Start 10:
• Found in 2 of 160 (1.2%) of genes in pham
• Manual Annotations of this start: 1 of 126
• Called 100.0% of time when present
• Phage (with cluster) where this start called: IdentityCrisis_12 (AJ), WST1_12 (AJ),

Start 13:
• Found in 1 of 160 (0.6%) of genes in pham
• Manual Annotations of this start: 1 of 126
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Elener_14 (singleton),

Summary by clusters:

There are 12 clusters represented in this pham: singleton, AJ, L1, V, DB, L4, L5, L2, L3, M3, M2, M1,

Info for manual annotations of cluster AJ:
•Start number 10 was manually annotated 1 time for cluster AJ.

Info for manual annotations of cluster DB:
•Start number 8 was manually annotated 18 times for cluster DB.

Info for manual annotations of cluster L1:
•Start number 9 was manually annotated 19 times for cluster L1.

Info for manual annotations of cluster L2:
•Start number 9 was manually annotated 32 times for cluster L2.

Info for manual annotations of cluster L3:
•Start number 9 was manually annotated 19 times for cluster L3.

Info for manual annotations of cluster L4:
•Start number 9 was manually annotated 6 times for cluster L4.

Info for manual annotations of cluster L5:
•Start number 9 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster M1:
•Start number 9 was manually annotated 15 times for cluster M1.

Info for manual annotations of cluster M2:
•Start number 9 was manually annotated 6 times for cluster M2.

Info for manual annotations of cluster M3:
•Start number 9 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster V:
•Start number 9 was manually annotated 5 times for cluster V.

Gene Information:

Gene: Acquire49_13 Start: 8989, Stop: 9891, Start Num: 9
Candidate Starts for Acquire49_13:
(Start: 9 @8989 has 106 MA's), (19, 9055), (21, 9061), (32, 9145), (41, 9298), (43, 9310), (52, 9379), (56, 9418), (61, 9448), (64, 9469), (90, 9673), (98, 9712), (115, 9805), (117, 9829), (126, 9874),

Gene: Aegeus_13 Start: 8615, Stop: 9511, Start Num: 9
Candidate Starts for Aegeus_13:
(Start: 9 @8615 has 106 MA's), (11, 8630), (14, 8651), (18, 8672), (19, 8678), (39, 8900), (42, 8924), (49, 8981), (50, 8987), (56, 9041), (63, 9083), (64, 9092), (70, 9137), (74, 9158), (83, 9260), (84, 9269), (90, 9296), (95, 9326), (97, 9332), (98, 9335), (106, 9383), (114, 9425), (115, 9428), (125, 9491),

Gene: Appletree2_13 Start: 8963, Stop: 9865, Start Num: 9
Candidate Starts for Appletree2_13:
(Start: 9 @8963 has 106 MA's), (19, 9029), (21, 9035), (32, 9119), (41, 9272), (43, 9284), (52, 9353), (56, 9392), (61, 9422), (64, 9443), (90, 9647), (98, 9686), (115, 9779), (117, 9803), (126, 9848),

Gene: Archie_13 Start: 8948, Stop: 9850, Start Num: 9
Candidate Starts for Archie_13:
(Start: 9 @8948 has 106 MA's), (19, 9014), (23, 9035), (32, 9104), (39, 9236), (41, 9257), (46, 9296), (52, 9338), (63, 9419), (64, 9428), (76, 9518), (78, 9530), (80, 9569), (92, 9638), (115, 9764), (126, 9833),

Gene: Auspice_23 Start: 12816, Stop: 13715, Start Num: 9
Candidate Starts for Auspice_23:
(Start: 9 @12816 has 106 MA's), (22, 12897), (29, 12951), (31, 12957), (38, 13086), (41, 13125), (49, 13191), (54, 13245), (58, 13260), (63, 13293), (71, 13350), (73, 13362), (83, 13470), (93, 13512), (99, 13536), (107, 13584), (119, 13659), (125, 13692),

Gene: AvadaKedavra_13 Start: 8989, Stop: 9891, Start Num: 9
Candidate Starts for AvadaKedavra_13:

(Start: 9 @8989 has 106 MA's), (19, 9055), (21, 9061), (32, 9145), (41, 9298), (43, 9310), (52, 9379), (56, 9418), (61, 9448), (64, 9469), (90, 9673), (98, 9712), (115, 9805), (117, 9829), (126, 9874),

Gene: Aziz_27 Start: 13394, Stop: 14293, Start Num: 9
Candidate Starts for Aziz_27:
(Start: 9 @13394 has 106 MA's), (22, 13475), (28, 13526), (41, 13703), (49, 13769), (54, 13823), (58, 13838), (63, 13871), (73, 13940), (93, 14090), (99, 14114), (103, 14150), (107, 14162), (112, 14189), (115, 14207), (119, 14237), (125, 14270),

Gene: Azrael100_34 Start: 15887, Stop: 16798, Start Num: 9
Candidate Starts for Azrael100_34:
(Start: 9 @15887 has 106 MA's), (14, 15926), (19, 15953), (20, 15956), (22, 15968), (24, 15983), (30, 16025), (44, 16217), (49, 16262), (50, 16268), (68, 16397), (73, 16433), (85, 16553), (88, 16571), (90, 16577), (99, 16607), (100, 16610), (109, 16667), (115, 16697), (120, 16733), (124, 16763), (125, 16775),

Gene: BBQValindra_12 Start: 7992, Stop: 8834, Start Num: 8
Candidate Starts for BBQValindra_12:
(7, 7932), (Start: 8 @7992 has 18 MA's), (16, 8043), (40, 8295), (48, 8343), (51, 8367), (55, 8412), (72, 8523), (94, 8676), (102, 8715), (108, 8751),

Gene: BackstagePass_12 Start: 7969, Stop: 8811, Start Num: 8
Candidate Starts for BackstagePass_12:
(7, 7909), (Start: 8 @7969 has 18 MA's), (16, 8020), (40, 8272), (48, 8320), (51, 8344), (55, 8389), (72, 8500), (94, 8653), (102, 8692), (108, 8728),

Gene: Baoshan_12 Start: 8830, Stop: 9729, Start Num: 9
Candidate Starts for Baoshan_12:
(Start: 9 @8830 has 106 MA's), (19, 8893), (23, 8914), (32, 8983), (39, 9115), (41, 9136), (52, 9217), (63, 9298), (64, 9307), (76, 9397), (78, 9409), (80, 9448), (86, 9490), (90, 9511), (92, 9517), (115, 9643), (126, 9712),

Gene: Baudelaire_13 Start: 8615, Stop: 9511, Start Num: 9
Candidate Starts for Baudelaire_13:
(Start: 9 @8615 has 106 MA's), (11, 8630), (14, 8651), (18, 8672), (19, 8678), (39, 8900), (42, 8924), (49, 8981), (50, 8987), (56, 9041), (63, 9083), (64, 9092), (70, 9137), (74, 9158), (83, 9260), (84, 9269), (90, 9296), (95, 9326), (97, 9332), (98, 9335), (106, 9383), (114, 9425), (115, 9428), (125, 9491),

Gene: Bazzle_13 Start: 8951, Stop: 9853, Start Num: 9
Candidate Starts for Bazzle_13:
(Start: 9 @8951 has 106 MA's), (19, 9017), (32, 9107), (39, 9239), (41, 9260), (46, 9299), (52, 9341), (63, 9422), (64, 9431), (76, 9521), (78, 9533), (80, 9572), (90, 9635), (92, 9641), (106, 9722), (115, 9767), (126, 9836),

Gene: Bellis_14 Start: 9118, Stop: 10020, Start Num: 9
Candidate Starts for Bellis_14:
(Start: 9 @9118 has 106 MA's), (19, 9184), (39, 9406), (41, 9427), (52, 9508), (63, 9589), (64, 9598), (75, 9685), (78, 9700), (80, 9739), (95, 9832), (104, 9883), (115, 9934),

Gene: BigCheese_13 Start: 9002, Stop: 9901, Start Num: 9
Candidate Starts for BigCheese_13:
(Start: 9 @9002 has 106 MA's), (19, 9065), (23, 9086), (32, 9155), (39, 9287), (41, 9308), (52, 9389), (63, 9470), (64, 9479), (76, 9569), (78, 9581), (80, 9620), (90, 9683), (92, 9689), (106, 9770), (115,

9815), (126, 9884),

Gene: BobsGarage_13 Start: 9002, Stop: 9901, Start Num: 9
Candidate Starts for BobsGarage_13:
(Start: 9 @9002 has 106 MA's), (19, 9065), (23, 9086), (32, 9155), (39, 9287), (41, 9308), (52, 9389), (63, 9470), (64, 9479), (76, 9569), (78, 9581), (80, 9620), (90, 9683), (92, 9689), (106, 9770), (115, 9815), (126, 9884),

Gene: Bongo_23 Start: 12816, Stop: 13715, Start Num: 9
Candidate Starts for Bongo_23:
(Start: 9 @12816 has 106 MA's), (22, 12897), (29, 12951), (31, 12957), (38, 13086), (41, 13125), (49, 13191), (54, 13245), (58, 13260), (63, 13293), (71, 13350), (73, 13362), (83, 13470), (93, 13512), (99, 13536), (107, 13584), (119, 13659), (125, 13692),

Gene: BourbonZero_13 Start: 9125, Stop: 10027, Start Num: 9
Candidate Starts for BourbonZero_13:
(Start: 9 @9125 has 106 MA's), (19, 9191), (39, 9413), (41, 9434), (46, 9473), (52, 9515), (63, 9596), (64, 9605), (75, 9692), (78, 9707), (80, 9746), (104, 9890), (115, 9941),

Gene: Bowser_12 Start: 7991, Stop: 8833, Start Num: 8
Candidate Starts for Bowser_12:
(1, 7628), (2, 7706), (7, 7931), (Start: 8 @7991 has 18 MA's), (16, 8042), (48, 8342), (51, 8366), (52, 8375), (55, 8411), (69, 8492), (72, 8522), (94, 8675), (108, 8750),

Gene: BrainDrainer_14 Start: 8811, Stop: 9713, Start Num: 9
Candidate Starts for BrainDrainer_14:
(Start: 9 @8811 has 106 MA's), (19, 8877), (39, 9099), (41, 9120), (52, 9201), (56, 9240), (63, 9282), (64, 9291), (75, 9378), (78, 9393), (80, 9432), (83, 9459), (90, 9495), (92, 9501), (98, 9534), (103, 9573), (104, 9576), (115, 9627), (122, 9678),

Gene: Breezona_13 Start: 9002, Stop: 9901, Start Num: 9
Candidate Starts for Breezona_13:
(Start: 9 @9002 has 106 MA's), (19, 9065), (23, 9086), (32, 9155), (39, 9287), (41, 9308), (52, 9389), (63, 9470), (64, 9479), (76, 9569), (78, 9581), (80, 9620), (90, 9683), (92, 9689), (106, 9770), (115, 9815), (126, 9884),

Gene: Bricole_23 Start: 12815, Stop: 13714, Start Num: 9
Candidate Starts for Bricole_23:
(Start: 9 @12815 has 106 MA's), (22, 12896), (29, 12950), (31, 12956), (38, 13085), (41, 13124), (49, 13190), (54, 13244), (58, 13259), (63, 13292), (71, 13349), (73, 13361), (83, 13469), (93, 13511), (99, 13535), (107, 13583), (119, 13658), (120, 13664), (125, 13691),

Gene: Bromden_14 Start: 9135, Stop: 10037, Start Num: 9
Candidate Starts for Bromden_14:
(Start: 9 @9135 has 106 MA's), (19, 9201), (39, 9423), (41, 9444), (52, 9525), (53, 9555), (56, 9564), (61, 9594), (63, 9606), (64, 9615), (75, 9702), (78, 9717), (80, 9756), (83, 9783), (98, 9858), (103, 9897), (104, 9900), (115, 9951), (122, 10002),

Gene: Bunker_12 Start: 7992, Stop: 8834, Start Num: 8
Candidate Starts for Bunker_12:
(7, 7932), (Start: 8 @7992 has 18 MA's), (16, 8043), (40, 8295), (51, 8367), (55, 8412), (72, 8523), (102, 8715), (108, 8751),

Gene: Calm_13 Start: 8990, Stop: 9892, Start Num: 9
Candidate Starts for Calm_13:
(Start: 9 @8990 has 106 MA's), (19, 9056), (21, 9062), (32, 9146), (41, 9299), (43, 9311), (52, 9380), (56, 9419), (61, 9449), (64, 9470), (90, 9674), (98, 9713), (115, 9806), (117, 9830), (126, 9875),

Gene: Chaser_13 Start: 8726, Stop: 9628, Start Num: 9
Candidate Starts for Chaser_13:
(Start: 9 @8726 has 106 MA's), (19, 8792), (39, 9014), (41, 9035), (52, 9116), (56, 9155), (63, 9197), (64, 9206), (78, 9308), (80, 9347), (83, 9374), (90, 9410), (92, 9416), (98, 9449), (103, 9488), (104, 9491), (115, 9542), (122, 9593),

Gene: ChengKai98_13 Start: 9002, Stop: 9901, Start Num: 9
Candidate Starts for ChengKai98_13:
(Start: 9 @9002 has 106 MA's), (19, 9065), (23, 9086), (32, 9155), (39, 9287), (41, 9308), (52, 9389), (63, 9470), (64, 9479), (76, 9569), (78, 9581), (80, 9620), (92, 9689), (115, 9815), (126, 9884),

Gene: Chipko_13 Start: 8390, Stop: 9229, Start Num: 8
Candidate Starts for Chipko_13:
(Start: 8 @8390 has 18 MA's), (17, 8447), (51, 8759), (55, 8804), (60, 8831), (62, 8840), (69, 8882), (72, 8912), (94, 9068), (102, 9107), (107, 9137), (119, 9206),

Gene: ChutneyChips_13 Start: 8715, Stop: 9617, Start Num: 9
Candidate Starts for ChutneyChips_13:
(Start: 9 @8715 has 106 MA's), (19, 8781), (25, 8814), (39, 9003), (41, 9024), (52, 9105), (54, 9138), (56, 9144), (63, 9186), (64, 9195), (75, 9282), (78, 9297), (83, 9363), (90, 9399), (103, 9477), (104, 9480), (115, 9531), (122, 9582),

Gene: CicholasNage_13 Start: 8990, Stop: 9892, Start Num: 9
Candidate Starts for CicholasNage_13:
(Start: 9 @8990 has 106 MA's), (19, 9056), (21, 9062), (32, 9146), (41, 9299), (43, 9311), (52, 9380), (56, 9419), (61, 9449), (64, 9470), (90, 9674), (98, 9713), (115, 9806), (117, 9830), (126, 9875),

Gene: Claus_13 Start: 9010, Stop: 9909, Start Num: 9
Candidate Starts for Claus_13:
(Start: 9 @9010 has 106 MA's), (19, 9073), (23, 9094), (32, 9163), (39, 9295), (41, 9316), (52, 9397), (63, 9478), (64, 9487), (76, 9577), (78, 9589), (80, 9628), (86, 9670), (90, 9691), (92, 9697), (115, 9823), (126, 9892),

Gene: Clautastrophe_14 Start: 9123, Stop: 10025, Start Num: 9
Candidate Starts for Clautastrophe_14:
(Start: 9 @9123 has 106 MA's), (19, 9189), (39, 9411), (41, 9432), (52, 9513), (63, 9594), (64, 9603), (75, 9690), (78, 9705), (80, 9744), (95, 9837), (104, 9888), (115, 9939),

Gene: Coriander_13 Start: 8389, Stop: 9228, Start Num: 8
Candidate Starts for Coriander_13:
(Start: 8 @8389 has 18 MA's), (17, 8446), (51, 8758), (55, 8803), (62, 8839), (69, 8881), (72, 8911), (94, 9067), (107, 9136),

Gene: Cosmo_35 Start: 15894, Stop: 16805, Start Num: 9
Candidate Starts for Cosmo_35:
(Start: 9 @15894 has 106 MA's), (14, 15933), (19, 15960), (20, 15963), (22, 15975), (24, 15990), (41, 16203), (49, 16269), (50, 16275), (68, 16404), (73, 16440), (82, 16539), (85, 16560), (99, 16614), (100, 16617), (110, 16677), (114, 16701), (115, 16704), (116, 16713), (120, 16740), (124, 16770), (125,

16782),

Gene: Crossroads_13 Start: 9002, Stop: 9901, Start Num: 9
Candidate Starts for Crossroads_13:
(Start: 9 @9002 has 106 MA's), (19, 9065), (23, 9086), (32, 9155), (39, 9287), (41, 9308), (52, 9389), (63, 9470), (64, 9479), (76, 9569), (78, 9581), (80, 9620), (90, 9683), (92, 9689), (106, 9770), (115, 9815), (126, 9884),

Gene: DHan_13 Start: 8946, Stop: 9845, Start Num: 9
Candidate Starts for DHan_13:
(Start: 9 @8946 has 106 MA's), (19, 9009), (23, 9030), (32, 9099), (39, 9231), (41, 9252), (52, 9333), (63, 9414), (64, 9423), (76, 9513), (78, 9525), (80, 9564), (86, 9606), (90, 9627), (92, 9633), (106, 9714), (115, 9759), (126, 9828),

Gene: DanBing_12 Start: 8829, Stop: 9728, Start Num: 9
Candidate Starts for DanBing_12:
(Start: 9 @8829 has 106 MA's), (19, 8892), (23, 8913), (32, 8982), (39, 9114), (41, 9135), (52, 9216), (63, 9297), (64, 9306), (76, 9396), (78, 9408), (80, 9447), (86, 9489), (90, 9510), (92, 9516), (115, 9642), (126, 9711),

Gene: Diminimus_24 Start: 12815, Stop: 13714, Start Num: 9
Candidate Starts for Diminimus_24:
(Start: 9 @12815 has 106 MA's), (22, 12896), (29, 12950), (31, 12956), (38, 13085), (41, 13124), (49, 13190), (54, 13244), (58, 13259), (63, 13292), (71, 13349), (73, 13361), (83, 13469), (93, 13511), (99, 13535), (107, 13583), (119, 13658), (125, 13691),

Gene: DirkDirk_13 Start: 8991, Stop: 9893, Start Num: 9
Candidate Starts for DirkDirk_13:
(Start: 9 @8991 has 106 MA's), (19, 9057), (21, 9063), (32, 9147), (41, 9300), (43, 9312), (52, 9381), (53, 9411), (56, 9420), (61, 9450), (64, 9471), (90, 9675), (98, 9714), (115, 9807), (117, 9831), (126, 9876),

Gene: DirtyBoi_13 Start: 8342, Stop: 9184, Start Num: 8
Candidate Starts for DirtyBoi_13:
(4, 8150), (7, 8282), (Start: 8 @8342 has 18 MA's), (38, 8609), (40, 8645), (48, 8693), (55, 8762), (60, 8789), (67, 8828), (69, 8843), (72, 8873), (79, 8915), (108, 9101),

Gene: Dmitri_13 Start: 8371, Stop: 9210, Start Num: 8
Candidate Starts for Dmitri_13:
(Start: 8 @8371 has 18 MA's), (17, 8428), (51, 8740), (55, 8785), (60, 8812), (62, 8821), (69, 8863), (72, 8893), (94, 9049), (102, 9088), (107, 9118), (119, 9187),

Gene: Doggs_12 Start: 8086, Stop: 8925, Start Num: 8
Candidate Starts for Doggs_12:
(Start: 8 @8086 has 18 MA's), (17, 8143), (51, 8455), (55, 8500), (62, 8536), (69, 8578), (72, 8608), (94, 8764), (107, 8833),

Gene: Douge_13 Start: 8672, Stop: 9574, Start Num: 9
Candidate Starts for Douge_13:
(Start: 9 @8672 has 106 MA's), (19, 8738), (39, 8960), (41, 8981), (52, 9062), (56, 9101), (63, 9143), (64, 9152), (75, 9239), (78, 9254), (80, 9293), (83, 9320), (90, 9356), (98, 9395), (103, 9434), (104, 9437), (115, 9488), (122, 9539),

Gene: Douzhi_13 Start: 8672, Stop: 9574, Start Num: 9
Candidate Starts for Douzhi_13:
(Start: 9 @8672 has 106 MA's), (19, 8738), (39, 8960), (41, 8981), (52, 9062), (56, 9101), (63, 9143), (64, 9152), (75, 9239), (78, 9254), (80, 9293), (83, 9320), (90, 9356), (92, 9362), (98, 9395), (103, 9434), (104, 9437), (115, 9488), (122, 9539),

Gene: DrSeegs_13 Start: 9002, Stop: 9901, Start Num: 9
Candidate Starts for DrSeegs_13:
(Start: 9 @9002 has 106 MA's), (19, 9065), (23, 9086), (32, 9155), (39, 9287), (41, 9308), (52, 9389), (63, 9470), (64, 9479), (76, 9569), (78, 9581), (80, 9620), (90, 9683), (92, 9689), (106, 9770), (115, 9815), (126, 9884),

Gene: Dulcita_24 Start: 12815, Stop: 13714, Start Num: 9
Candidate Starts for Dulcita_24:
(Start: 9 @12815 has 106 MA's), (22, 12896), (29, 12950), (31, 12956), (38, 13085), (41, 13124), (49, 13190), (54, 13244), (58, 13259), (63, 13292), (71, 13349), (73, 13361), (83, 13469), (93, 13511), (99, 13535), (107, 13583), (119, 13658), (125, 13691),

Gene: DuncansLeg_14 Start: 9127, Stop: 10029, Start Num: 9
Candidate Starts for DuncansLeg_14:
(Start: 9 @9127 has 106 MA's), (19, 9193), (39, 9415), (41, 9436), (46, 9475), (52, 9517), (63, 9598), (64, 9607), (75, 9694), (78, 9709), (80, 9748), (104, 9892), (115, 9943),

Gene: DyoEdafos_14 Start: 8883, Stop: 9785, Start Num: 9
Candidate Starts for DyoEdafos_14:
(Start: 9 @8883 has 106 MA's), (19, 8949), (39, 9171), (41, 9192), (52, 9273), (56, 9312), (63, 9354), (64, 9363), (78, 9465), (80, 9504), (103, 9645), (104, 9648), (115, 9699), (122, 9750),

Gene: Elener_14 Start: 10098, Stop: 10871, Start Num: 13
Candidate Starts for Elener_14:
(Start: 13 @10098 has 1 MA's), (32, 10215), (53, 10473), (79, 10626), (81, 10665), (91, 10725), (96, 10746),

Gene: Ellson_14 Start: 9135, Stop: 10037, Start Num: 9
Candidate Starts for Ellson_14:
(Start: 9 @9135 has 106 MA's), (19, 9201), (39, 9423), (41, 9444), (46, 9483), (52, 9525), (63, 9606), (64, 9615), (75, 9702), (78, 9717), (80, 9756), (104, 9900), (115, 9951),

Gene: Enceladus_13 Start: 8991, Stop: 9893, Start Num: 9
Candidate Starts for Enceladus_13:
(Start: 9 @8991 has 106 MA's), (19, 9057), (21, 9063), (32, 9147), (41, 9300), (43, 9312), (52, 9381), (56, 9420), (61, 9450), (64, 9471), (90, 9675), (98, 9714), (115, 9807), (117, 9831), (126, 9876),

Gene: EniyanLRS_32 Start: 15588, Stop: 16499, Start Num: 9
Candidate Starts for EniyanLRS_32:
(Start: 9 @15588 has 106 MA's), (14, 15627), (19, 15654), (20, 15657), (22, 15669), (24, 15684), (41, 15897), (45, 15939), (49, 15963), (50, 15969), (68, 16098), (73, 16134), (82, 16233), (85, 16254), (99, 16308), (100, 16311), (115, 16398), (120, 16434), (123, 16461),

Gene: Estes_28 Start: 13531, Stop: 14430, Start Num: 9
Candidate Starts for Estes_28:
(Start: 9 @13531 has 106 MA's), (22, 13612), (28, 13663), (49, 13906), (54, 13960), (58, 13975), (63, 14008), (73, 14077), (82, 14176), (93, 14227), (99, 14251), (103, 14287), (107, 14299), (111, 14320),

(115, 14344), (119, 14374), (125, 14407),

Gene: Eyes_12 Start: 7999, Stop: 8841, Start Num: 8
Candidate Starts for Eyes_12:
(7, 7939), (Start: 8 @7999 has 18 MA's), (16, 8050), (48, 8350), (51, 8374), (52, 8383), (55, 8419), (69, 8500), (72, 8530), (94, 8683), (108, 8758),

Gene: Faith1_13 Start: 9002, Stop: 9901, Start Num: 9
Candidate Starts for Faith1_13:
(Start: 9 @9002 has 106 MA's), (19, 9065), (23, 9086), (32, 9155), (39, 9287), (41, 9308), (52, 9389), (63, 9470), (64, 9479), (76, 9569), (78, 9581), (80, 9620), (90, 9683), (92, 9689), (106, 9770), (115, 9815), (126, 9884),

Gene: FarmResident_13 Start: 8717, Stop: 9619, Start Num: 9
Candidate Starts for FarmResident_13:
(Start: 9 @8717 has 106 MA's), (19, 8783), (39, 9005), (41, 9026), (52, 9107), (54, 9140), (56, 9146), (63, 9188), (64, 9197), (75, 9284), (78, 9299), (80, 9338), (83, 9365), (90, 9401), (92, 9407), (98, 9440), (103, 9479), (104, 9482), (115, 9533), (122, 9584),

Gene: Finemlucis_13 Start: 9002, Stop: 9901, Start Num: 9
Candidate Starts for Finemlucis_13:
(Start: 9 @9002 has 106 MA's), (19, 9065), (23, 9086), (32, 9155), (39, 9287), (41, 9308), (52, 9389), (63, 9470), (64, 9479), (76, 9569), (78, 9581), (80, 9620), (92, 9689), (115, 9815), (126, 9884),

Gene: Finnry_14 Start: 9120, Stop: 10022, Start Num: 9
Candidate Starts for Finnry_14:
(Start: 9 @9120 has 106 MA's), (19, 9186), (39, 9408), (41, 9429), (52, 9510), (63, 9591), (64, 9600), (75, 9687), (78, 9702), (80, 9741), (95, 9834), (104, 9885), (115, 9936),

Gene: FreakyGoo_24 Start: 12816, Stop: 13715, Start Num: 9
Candidate Starts for FreakyGoo_24:
(Start: 9 @12816 has 106 MA's), (22, 12897), (29, 12951), (31, 12957), (38, 13086), (41, 13125), (49, 13191), (54, 13245), (58, 13260), (63, 13293), (71, 13350), (73, 13362), (83, 13470), (93, 13512), (99, 13536), (107, 13584), (119, 13659), (125, 13692),

Gene: GEazy_12 Start: 8001, Stop: 8843, Start Num: 8
Candidate Starts for GEazy_12:
(7, 7941), (Start: 8 @8001 has 18 MA's), (16, 8052), (48, 8352), (51, 8376), (52, 8385), (55, 8421), (72, 8532), (102, 8724), (108, 8760),

Gene: Gabriela_13 Start: 9002, Stop: 9901, Start Num: 9
Candidate Starts for Gabriela_13:
(Start: 9 @9002 has 106 MA's), (19, 9065), (23, 9086), (32, 9155), (39, 9287), (41, 9308), (52, 9389), (63, 9470), (64, 9479), (76, 9569), (78, 9581), (80, 9620), (90, 9683), (92, 9689), (106, 9770), (115, 9815), (126, 9884),

Gene: Gardann_13 Start: 9002, Stop: 9901, Start Num: 9
Candidate Starts for Gardann_13:
(Start: 9 @9002 has 106 MA's), (19, 9065), (23, 9086), (32, 9155), (39, 9287), (41, 9308), (52, 9389), (63, 9470), (64, 9479), (76, 9569), (78, 9581), (80, 9620), (92, 9689), (115, 9815), (126, 9884),

Gene: GardenSalsa_27 Start: 13367, Stop: 14266, Start Num: 9
Candidate Starts for GardenSalsa_27:

(Start: 9 @13367 has 106 MA's), (22, 13448), (28, 13499), (47, 13724), (49, 13742), (54, 13796), (58, 13811), (63, 13844), (73, 13913), (78, 13955), (99, 14087), (103, 14123), (107, 14135), (112, 14162), (115, 14180), (119, 14210), (125, 14243),

Gene: GenevaB15_27 Start: 13394, Stop: 14293, Start Num: 9
Candidate Starts for GenevaB15_27:
(Start: 9 @13394 has 106 MA's), (22, 13475), (28, 13526), (41, 13703), (49, 13769), (54, 13823), (58, 13838), (63, 13871), (73, 13940), (93, 14090), (99, 14114), (103, 14150), (107, 14162), (112, 14189), (115, 14207), (119, 14237), (125, 14270),

Gene: Glaske16_24 Start: 12815, Stop: 13714, Start Num: 9
Candidate Starts for Glaske16_24:
(Start: 9 @12815 has 106 MA's), (22, 12896), (29, 12950), (31, 12956), (38, 13085), (41, 13124), (49, 13190), (54, 13244), (58, 13259), (63, 13292), (71, 13349), (73, 13361), (83, 13469), (93, 13511), (99, 13535), (107, 13583), (119, 13658), (125, 13691),

Gene: GuuelaD_13 Start: 9034, Stop: 9936, Start Num: 9
Candidate Starts for GuuelaD_13:
(Start: 9 @9034 has 106 MA's), (19, 9100), (32, 9190), (39, 9322), (41, 9343), (52, 9424), (63, 9505), (64, 9514), (76, 9604), (78, 9616), (80, 9655), (90, 9718), (92, 9724), (115, 9850), (126, 9919),

Gene: Hafay_13 Start: 9035, Stop: 9934, Start Num: 9
Candidate Starts for Hafay_13:
(Start: 9 @9035 has 106 MA's), (19, 9098), (23, 9119), (32, 9188), (39, 9320), (41, 9341), (52, 9422), (63, 9503), (64, 9512), (76, 9602), (78, 9614), (80, 9653), (90, 9716), (92, 9722), (106, 9803), (115, 9848), (126, 9917),

Gene: Halena_13 Start: 8990, Stop: 9892, Start Num: 9
Candidate Starts for Halena_13:
(Start: 9 @8990 has 106 MA's), (19, 9056), (21, 9062), (32, 9146), (41, 9299), (43, 9311), (52, 9380), (56, 9419), (61, 9449), (64, 9470), (90, 9674), (98, 9713), (115, 9806), (117, 9830), (126, 9875),

Gene: HannahD_12 Start: 8001, Stop: 8843, Start Num: 8
Candidate Starts for HannahD_12:
(7, 7941), (Start: 8 @8001 has 18 MA's), (16, 8052), (48, 8352), (51, 8376), (52, 8385), (55, 8421), (72, 8532), (102, 8724), (108, 8760),

Gene: Hedwig_13 Start: 8342, Stop: 9184, Start Num: 8
Candidate Starts for Hedwig_13:
(4, 8150), (7, 8282), (Start: 8 @8342 has 18 MA's), (38, 8609), (40, 8645), (48, 8693), (55, 8762), (67, 8828), (69, 8843), (72, 8873), (79, 8915), (108, 9101),

Gene: Hiraya_13 Start: 9002, Stop: 9901, Start Num: 9
Candidate Starts for Hiraya_13:
(Start: 9 @9002 has 106 MA's), (19, 9065), (23, 9086), (32, 9155), (39, 9287), (41, 9308), (52, 9389), (63, 9470), (64, 9479), (76, 9569), (78, 9581), (80, 9620), (90, 9683), (92, 9689), (106, 9770), (115, 9815), (126, 9884),

Gene: IPhane7_23 Start: 12816, Stop: 13715, Start Num: 9
Candidate Starts for IPhane7_23:
(Start: 9 @12816 has 106 MA's), (22, 12897), (29, 12951), (31, 12957), (38, 13086), (41, 13125), (49, 13191), (54, 13245), (58, 13260), (63, 13293), (71, 13350), (73, 13362), (83, 13470), (93, 13512), (99, 13536), (107, 13584), (119, 13659), (125, 13692),

Gene: IdentityCrisis_12 Start: 8516, Stop: 9319, Start Num: 10
Candidate Starts for IdentityCrisis_12:
(6, 8441), (Start: 10 @8516 has 1 MA's), (12, 8543), (16, 8564), (20, 8588), (23, 8606), (26, 8621), (36, 8762), (39, 8801), (43, 8834), (51, 8891), (53, 8927), (55, 8933), (57, 8939), (59, 8954), (65, 8993), (68, 9011), (69, 9014), (75, 9071), (81, 9122), (87, 9155), (90, 9170), (101, 9215), (105, 9245), (111, 9266), (113, 9278), (118, 9311),

Gene: Itos_13 Start: 9002, Stop: 9901, Start Num: 9
Candidate Starts for Itos_13:
(Start: 9 @9002 has 106 MA's), (19, 9065), (23, 9086), (32, 9155), (39, 9287), (41, 9308), (52, 9389), (63, 9470), (64, 9479), (76, 9569), (78, 9581), (80, 9620), (90, 9683), (92, 9689), (106, 9770), (115, 9815), (126, 9884),

Gene: Izel_24 Start: 12815, Stop: 13714, Start Num: 9
Candidate Starts for Izel_24:
(Start: 9 @12815 has 106 MA's), (22, 12896), (29, 12950), (31, 12956), (38, 13085), (41, 13124), (49, 13190), (54, 13244), (58, 13259), (63, 13292), (71, 13349), (73, 13361), (83, 13469), (93, 13511), (99, 13535), (107, 13583), (119, 13658), (125, 13691),

Gene: Jecs_12 Start: 8323, Stop: 9165, Start Num: 8
Candidate Starts for Jecs_12:
(7, 8263), (Start: 8 @8323 has 18 MA's), (16, 8374), (48, 8674), (51, 8698), (52, 8707), (55, 8743), (69, 8824), (72, 8854), (89, 8989), (94, 9007), (108, 9082),

Gene: Jobypre_14 Start: 9123, Stop: 10025, Start Num: 9
Candidate Starts for Jobypre_14:
(Start: 9 @9123 has 106 MA's), (19, 9189), (39, 9411), (41, 9432), (52, 9513), (63, 9594), (64, 9603), (75, 9690), (78, 9705), (80, 9744), (95, 9837), (104, 9888), (115, 9939),

Gene: JoeDirt_13 Start: 8990, Stop: 9892, Start Num: 9
Candidate Starts for JoeDirt_13:
(Start: 9 @8990 has 106 MA's), (19, 9056), (21, 9062), (32, 9146), (41, 9299), (43, 9311), (52, 9380), (56, 9419), (61, 9449), (64, 9470), (90, 9674), (98, 9713), (115, 9806), (117, 9830), (126, 9875),

Gene: Jubie_14 Start: 9123, Stop: 10025, Start Num: 9
Candidate Starts for Jubie_14:
(Start: 9 @9123 has 106 MA's), (19, 9189), (39, 9411), (41, 9432), (52, 9513), (63, 9594), (64, 9603), (75, 9690), (78, 9705), (80, 9744), (95, 9837), (104, 9888), (115, 9939),

Gene: Kahlid_13 Start: 9002, Stop: 9901, Start Num: 9
Candidate Starts for Kahlid_13:
(Start: 9 @9002 has 106 MA's), (19, 9065), (23, 9086), (32, 9155), (39, 9287), (41, 9308), (52, 9389), (63, 9470), (64, 9479), (76, 9569), (78, 9581), (80, 9620), (92, 9689), (115, 9815), (126, 9884),

Gene: Kiko_13 Start: 8190, Stop: 9032, Start Num: 8
Candidate Starts for Kiko_13:
(Start: 8 @8190 has 18 MA's), (37, 8445), (51, 8565), (55, 8610), (67, 8676), (69, 8691), (72, 8721), (102, 8913),

Gene: Kingsolomon_14 Start: 9123, Stop: 10025, Start Num: 9
Candidate Starts for Kingsolomon_14:

(Start: 9 @9123 has 106 MA's), (19, 9189), (39, 9411), (41, 9432), (52, 9513), (63, 9594), (64, 9603), (75, 9690), (78, 9705), (80, 9744), (95, 9837), (104, 9888), (115, 9939),

Gene: KirDoubleO7_12 Start: 9136, Stop: 10038, Start Num: 9
Candidate Starts for KirDoubleO7_12:
(Start: 9 @9136 has 106 MA's), (19, 9202), (39, 9424), (41, 9445), (46, 9484), (52, 9526), (63, 9607), (64, 9616), (75, 9703), (78, 9718), (80, 9757), (104, 9901), (115, 9952),

Gene: KleverKiS_23 Start: 12812, Stop: 13711, Start Num: 9
Candidate Starts for KleverKiS_23:
(Start: 9 @12812 has 106 MA's), (22, 12893), (29, 12947), (31, 12953), (38, 13082), (41, 13121), (49, 13187), (54, 13241), (58, 13256), (63, 13289), (71, 13346), (73, 13358), (83, 13466), (93, 13508), (99, 13532), (107, 13580), (119, 13655), (120, 13661), (125, 13688),

Gene: Kropertea_13 Start: 8689, Stop: 9591, Start Num: 9
Candidate Starts for Kropertea_13:
(Start: 9 @8689 has 106 MA's), (19, 8755), (39, 8977), (41, 8998), (52, 9079), (56, 9118), (63, 9160), (64, 9169), (75, 9256), (78, 9271), (80, 9310), (103, 9451), (104, 9454), (115, 9505), (122, 9556),

Gene: Krypton555_14 Start: 9112, Stop: 10011, Start Num: 9
Candidate Starts for Krypton555_14:
(Start: 9 @9112 has 106 MA's), (19, 9178), (39, 9400), (41, 9421), (52, 9502), (63, 9583), (64, 9592), (75, 9679), (78, 9694), (80, 9733), (90, 9796), (92, 9802), (103, 9874), (115, 9928), (126, 9997),

Gene: Kumao_22 Start: 12078, Stop: 12980, Start Num: 9
Candidate Starts for Kumao_22:
(Start: 9 @12078 has 106 MA's), (15, 12120), (22, 12159), (33, 12240), (34, 12261), (35, 12321), (38, 12348), (41, 12387), (47, 12438), (49, 12456), (53, 12507), (54, 12510), (56, 12516), (58, 12525), (63, 12558), (66, 12576), (73, 12627), (78, 12669), (100, 12804), (110, 12864), (115, 12891),

Gene: LeBron_13 Start: 8990, Stop: 9892, Start Num: 9
Candidate Starts for LeBron_13:
(Start: 9 @8990 has 106 MA's), (19, 9056), (21, 9062), (32, 9146), (41, 9299), (43, 9311), (52, 9380), (56, 9419), (61, 9449), (64, 9470), (90, 9674), (98, 9713), (115, 9806), (117, 9830), (126, 9875),

Gene: Lewan_13 Start: 9002, Stop: 9901, Start Num: 9
Candidate Starts for Lewan_13:
(Start: 9 @9002 has 106 MA's), (19, 9065), (23, 9086), (32, 9155), (39, 9287), (41, 9308), (52, 9389), (63, 9470), (64, 9479), (76, 9569), (78, 9581), (80, 9620), (90, 9683), (92, 9689), (106, 9770), (115, 9815), (126, 9884),

Gene: LilDestine_13 Start: 9002, Stop: 9901, Start Num: 9
Candidate Starts for LilDestine_13:
(Start: 9 @9002 has 106 MA's), (19, 9065), (23, 9086), (32, 9155), (39, 9287), (41, 9308), (52, 9389), (63, 9470), (64, 9479), (76, 9569), (78, 9581), (80, 9620), (92, 9689), (115, 9815), (126, 9884),

Gene: LilhomieP_22 Start: 12816, Stop: 13715, Start Num: 9
Candidate Starts for LilhomieP_22:
(Start: 9 @12816 has 106 MA's), (22, 12897), (29, 12951), (31, 12957), (38, 13086), (41, 13125), (49, 13191), (54, 13245), (58, 13260), (63, 13293), (71, 13350), (73, 13362), (83, 13470), (93, 13512), (99, 13536), (107, 13584), (119, 13659), (125, 13692),

Gene: LiyuLake_14 Start: 9127, Stop: 10029, Start Num: 9

Candidate Starts for LiyuLake_14:
(Start: 9 @9127 has 106 MA's), (19, 9193), (39, 9415), (41, 9436), (46, 9475), (52, 9517), (63, 9598), (64, 9607), (75, 9694), (78, 9709), (80, 9748), (104, 9892), (115, 9943),

Gene: Loadrie_13 Start: 9035, Stop: 9934, Start Num: 9
Candidate Starts for Loadrie_13:
(Start: 9 @9035 has 106 MA's), (19, 9098), (23, 9119), (32, 9188), (39, 9320), (41, 9341), (52, 9422), (63, 9503), (64, 9512), (76, 9602), (78, 9614), (80, 9653), (90, 9716), (92, 9722), (106, 9803), (115, 9848), (117, 9872), (126, 9917),

Gene: Lolly9_14 Start: 9130, Stop: 10029, Start Num: 9
Candidate Starts for Lolly9_14:
(Start: 9 @9130 has 106 MA's), (19, 9196), (39, 9418), (41, 9439), (52, 9520), (63, 9601), (64, 9610), (78, 9712), (80, 9751), (90, 9814), (103, 9892), (104, 9895), (115, 9946), (117, 9970), (126, 10015),

Gene: Lumos_14 Start: 9123, Stop: 10025, Start Num: 9
Candidate Starts for Lumos_14:
(Start: 9 @9123 has 106 MA's), (19, 9189), (39, 9411), (41, 9432), (52, 9513), (63, 9594), (64, 9603), (75, 9690), (78, 9705), (80, 9744), (95, 9837), (104, 9888), (115, 9939),

Gene: Lynnae_13 Start: 9002, Stop: 9901, Start Num: 9
Candidate Starts for Lynnae_13:
(Start: 9 @9002 has 106 MA's), (19, 9065), (23, 9086), (32, 9155), (39, 9287), (41, 9308), (52, 9389), (63, 9470), (64, 9479), (76, 9569), (78, 9581), (80, 9620), (90, 9683), (92, 9689), (106, 9770), (115, 9815), (126, 9884),

Gene: MAckerman_13 Start: 8989, Stop: 9891, Start Num: 9
Candidate Starts for MAckerman_13:
(Start: 9 @8989 has 106 MA's), (19, 9055), (21, 9061), (32, 9145), (41, 9298), (43, 9310), (52, 9379), (56, 9418), (61, 9448), (64, 9469), (90, 9673), (98, 9712), (115, 9805), (117, 9829), (126, 9874),

Gene: MagicMan_12 Start: 8329, Stop: 9171, Start Num: 8
Candidate Starts for MagicMan_12:
(7, 8269), (Start: 8 @8329 has 18 MA's), (16, 8380), (40, 8632), (48, 8680), (51, 8704), (55, 8749), (69, 8830), (72, 8860), (94, 9013), (102, 9052), (108, 9088),

Gene: MaryV_35 Start: 15860, Stop: 16771, Start Num: 9
Candidate Starts for MaryV_35:
(Start: 9 @15860 has 106 MA's), (14, 15899), (19, 15926), (20, 15929), (22, 15941), (24, 15956), (41, 16169), (49, 16235), (50, 16241), (68, 16370), (73, 16406), (82, 16505), (85, 16526), (99, 16580), (100, 16583), (110, 16643), (114, 16667), (115, 16670), (116, 16679), (120, 16706), (124, 16736), (125, 16748),

Gene: Miley16_13 Start: 9002, Stop: 9901, Start Num: 9
Candidate Starts for Miley16_13:
(Start: 9 @9002 has 106 MA's), (19, 9065), (23, 9086), (32, 9155), (39, 9287), (41, 9308), (52, 9389), (63, 9470), (64, 9479), (76, 9569), (78, 9581), (80, 9620), (90, 9683), (92, 9689), (106, 9770), (115, 9815), (126, 9884),

Gene: MiniLon_14 Start: 9130, Stop: 10029, Start Num: 9
Candidate Starts for MiniLon_14:
(Start: 9 @9130 has 106 MA's), (19, 9196), (39, 9418), (41, 9439), (52, 9520), (63, 9601), (64, 9610), (78, 9712), (80, 9751), (90, 9814), (103, 9892), (104, 9895), (115, 9946), (117, 9970), (126, 10015),

Gene: MiniMac_14 Start: 9131, Stop: 10030, Start Num: 9
Candidate Starts for MiniMac_14:
(Start: 9 @9131 has 106 MA's), (19, 9197), (39, 9419), (41, 9440), (52, 9521), (63, 9602), (64, 9611), (78, 9713), (80, 9752), (90, 9815), (103, 9893), (104, 9896), (115, 9947), (117, 9971), (126, 10016),

Gene: MkaliMitinis3_13 Start: 9002, Stop: 9901, Start Num: 9
Candidate Starts for MkaliMitinis3_13:
(Start: 9 @9002 has 106 MA's), (19, 9065), (23, 9086), (32, 9155), (39, 9287), (41, 9308), (52, 9389), (63, 9470), (64, 9479), (76, 9569), (78, 9581), (80, 9620), (90, 9683), (92, 9689), (106, 9770), (115, 9815), (126, 9884),

Gene: Molivier_13 Start: 9008, Stop: 9907, Start Num: 9
Candidate Starts for Molivier_13:
(Start: 9 @9008 has 106 MA's), (19, 9071), (23, 9092), (32, 9161), (39, 9293), (41, 9314), (52, 9395), (63, 9476), (64, 9485), (76, 9575), (78, 9587), (80, 9626), (90, 9689), (92, 9695), (106, 9776), (115, 9821), (126, 9890),

Gene: Moonflower_13 Start: 8394, Stop: 9233, Start Num: 8
Candidate Starts for Moonflower_13:
(Start: 8 @8394 has 18 MA's), (17, 8451), (51, 8763), (55, 8808), (60, 8835), (62, 8844), (69, 8886), (72, 8916), (94, 9072), (107, 9141),

Gene: Moostard_14 Start: 9119, Stop: 10021, Start Num: 9
Candidate Starts for Moostard_14:
(Start: 9 @9119 has 106 MA's), (19, 9185), (39, 9407), (41, 9428), (52, 9509), (63, 9590), (64, 9599), (75, 9686), (78, 9701), (80, 9740), (95, 9833), (104, 9884), (115, 9935),

Gene: MrMagoo_27 Start: 13367, Stop: 14266, Start Num: 9
Candidate Starts for MrMagoo_27:
(Start: 9 @13367 has 106 MA's), (22, 13448), (28, 13499), (47, 13724), (49, 13742), (54, 13796), (58, 13811), (63, 13844), (73, 13913), (78, 13955), (99, 14087), (103, 14123), (107, 14135), (112, 14162), (115, 14180), (119, 14210), (125, 14243),

Gene: MsGreen_14 Start: 9123, Stop: 10025, Start Num: 9
Candidate Starts for MsGreen_14:
(Start: 9 @9123 has 106 MA's), (19, 9189), (39, 9411), (41, 9432), (52, 9513), (63, 9594), (64, 9603), (75, 9690), (78, 9705), (80, 9744), (95, 9837), (104, 9888), (115, 9939),

Gene: NaLuna_12 Start: 8001, Stop: 8843, Start Num: 8
Candidate Starts for NaLuna_12:
(7, 7941), (Start: 8 @8001 has 18 MA's), (16, 8052), (48, 8352), (51, 8376), (52, 8385), (55, 8421), (72, 8532), (102, 8724), (108, 8760),

Gene: Nanosmite_27 Start: 13585, Stop: 14487, Start Num: 9
Candidate Starts for Nanosmite_27:
(Start: 9 @13585 has 106 MA's), (22, 13666), (24, 13681), (38, 13855), (41, 13894), (49, 13960), (54, 14014), (58, 14029), (63, 14062), (71, 14119), (73, 14131), (99, 14311), (107, 14359), (110, 14377), (114, 14398), (115, 14401), (116, 14410), (119, 14431), (120, 14437),

Gene: Netyap_13 Start: 9002, Stop: 9901, Start Num: 9
Candidate Starts for Netyap_13:

(Start: 9 @9002 has 106 MA's), (19, 9065), (23, 9086), (32, 9155), (39, 9287), (41, 9308), (52, 9389), (63, 9470), (64, 9479), (76, 9569), (78, 9581), (80, 9620), (90, 9683), (92, 9689), (106, 9770), (115, 9815), (126, 9884),

Gene: Nicholas_14 Start: 9123, Stop: 10025, Start Num: 9
Candidate Starts for Nicholas_14:
(Start: 9 @9123 has 106 MA's), (19, 9189), (39, 9411), (41, 9432), (52, 9513), (63, 9594), (64, 9603), (75, 9690), (78, 9705), (80, 9744), (95, 9837), (104, 9888), (115, 9939),

Gene: Nicholasp3_13 Start: 9002, Stop: 9901, Start Num: 9
Candidate Starts for Nicholasp3_13:
(Start: 9 @9002 has 106 MA's), (19, 9065), (23, 9086), (32, 9155), (39, 9287), (41, 9308), (52, 9389), (63, 9470), (64, 9479), (76, 9569), (78, 9581), (80, 9620), (92, 9689), (115, 9815), (126, 9884),

Gene: OhShagHennessy_13 Start: 8963, Stop: 9865, Start Num: 9
Candidate Starts for OhShagHennessy_13:
(Start: 9 @8963 has 106 MA's), (19, 9029), (21, 9035), (32, 9119), (41, 9272), (43, 9284), (52, 9353), (53, 9383), (56, 9392), (61, 9422), (64, 9443), (90, 9647), (98, 9686), (115, 9779), (117, 9803), (126, 9848),

Gene: Opie_12 Start: 8346, Stop: 9188, Start Num: 8
Candidate Starts for Opie_12:
(3, 8094), (5, 8205), (7, 8286), (Start: 8 @8346 has 18 MA's), (16, 8397), (40, 8649), (55, 8766), (72, 8877), (94, 9030), (108, 9105), (121, 9174),

Gene: OverPar_13 Start: 9035, Stop: 9934, Start Num: 9
Candidate Starts for OverPar_13:
(Start: 9 @9035 has 106 MA's), (19, 9098), (23, 9119), (32, 9188), (39, 9320), (41, 9341), (52, 9422), (63, 9503), (64, 9512), (76, 9602), (78, 9614), (80, 9653), (90, 9716), (92, 9722), (106, 9803), (115, 9848), (117, 9872), (126, 9917),

Gene: PYPDinur_13 Start: 8672, Stop: 9574, Start Num: 9
Candidate Starts for PYPDinur_13:
(Start: 9 @8672 has 106 MA's), (19, 8738), (39, 8960), (41, 8981), (52, 9062), (56, 9101), (63, 9143), (64, 9152), (75, 9239), (78, 9254), (80, 9293), (83, 9320), (90, 9356), (92, 9362), (98, 9395), (103, 9434), (104, 9437), (115, 9488), (122, 9539),

Gene: PatriciaStar_12 Start: 8007, Stop: 8846, Start Num: 8
Candidate Starts for PatriciaStar_12:
(Start: 8 @8007 has 18 MA's), (17, 8064), (51, 8376), (55, 8421), (60, 8448), (62, 8457), (69, 8499), (72, 8529), (94, 8685), (102, 8724), (107, 8754), (119, 8823),

Gene: PegLeg_23 Start: 12815, Stop: 13714, Start Num: 9
Candidate Starts for PegLeg_23:
(Start: 9 @12815 has 106 MA's), (22, 12896), (29, 12950), (31, 12956), (38, 13085), (41, 13124), (49, 13190), (54, 13244), (58, 13259), (63, 13292), (71, 13349), (73, 13361), (83, 13469), (93, 13511), (99, 13535), (107, 13583), (119, 13658), (125, 13691),

Gene: Poochiewood_13 Start: 8989, Stop: 9891, Start Num: 9
Candidate Starts for Poochiewood_13:
(Start: 9 @8989 has 106 MA's), (19, 9055), (21, 9061), (32, 9145), (41, 9298), (43, 9310), (52, 9379), (56, 9418), (61, 9448), (64, 9469), (90, 9673), (98, 9712), (115, 9805), (117, 9829), (126, 9874),

Gene: Quby_13 Start: 8671, Stop: 9573, Start Num: 9
Candidate Starts for Quby_13:
(Start: 9 @8671 has 106 MA's), (19, 8737), (39, 8959), (41, 8980), (52, 9061), (56, 9100), (63, 9142), (64, 9151), (75, 9238), (78, 9253), (80, 9292), (83, 9319), (90, 9355), (92, 9361), (98, 9394), (103, 9433), (104, 9436), (115, 9487), (122, 9538),

Gene: RayTheFireFly_13 Start: 8395, Stop: 9234, Start Num: 8
Candidate Starts for RayTheFireFly_13:
(Start: 8 @8395 has 18 MA's), (17, 8452), (51, 8764), (55, 8809), (60, 8836), (62, 8845), (69, 8887), (72, 8917), (94, 9073), (107, 9142),

Gene: Red305_14 Start: 9123, Stop: 10025, Start Num: 9
Candidate Starts for Red305_14:
(Start: 9 @9123 has 106 MA's), (19, 9189), (39, 9411), (41, 9432), (52, 9513), (63, 9594), (64, 9603), (75, 9690), (78, 9705), (80, 9744), (95, 9837), (104, 9888), (115, 9939),

Gene: Reindeer_21 Start: 12668, Stop: 13567, Start Num: 9
Candidate Starts for Reindeer_21:
(Start: 9 @12668 has 106 MA's), (27, 12785), (28, 12800), (31, 12809), (38, 12938), (41, 12977), (49, 13043), (54, 13097), (58, 13112), (63, 13145), (73, 13214), (93, 13364), (99, 13388), (107, 13436), (119, 13511),

Gene: Rey_27 Start: 13596, Stop: 14495, Start Num: 9
Candidate Starts for Rey_27:
(Start: 9 @13596 has 106 MA's), (28, 13728), (38, 13866), (41, 13905), (49, 13971), (54, 14025), (58, 14040), (63, 14073), (73, 14142), (82, 14241), (98, 14313), (99, 14316), (103, 14352), (107, 14364), (112, 14391), (115, 14409), (119, 14439), (125, 14472),

Gene: Rose5_13 Start: 8989, Stop: 9891, Start Num: 9
Candidate Starts for Rose5_13:
(Start: 9 @8989 has 106 MA's), (19, 9055), (21, 9061), (32, 9145), (41, 9298), (43, 9310), (52, 9379), (56, 9418), (61, 9448), (64, 9469), (90, 9673), (98, 9712), (115, 9805), (117, 9829), (126, 9874),

Gene: RoseMarie_23 Start: 13058, Stop: 13957, Start Num: 9
Candidate Starts for RoseMarie_23:
(Start: 9 @13058 has 106 MA's), (27, 13175), (29, 13193), (31, 13199), (38, 13328), (41, 13367), (47, 13415), (49, 13433), (54, 13487), (58, 13502), (63, 13535), (71, 13592), (73, 13604), (82, 13703), (93, 13754), (99, 13778), (107, 13826), (119, 13901), (120, 13907), (125, 13934),

Gene: Rossetti_13 Start: 9002, Stop: 9901, Start Num: 9
Candidate Starts for Rossetti_13:
(Start: 9 @9002 has 106 MA's), (19, 9065), (23, 9086), (32, 9155), (39, 9287), (41, 9308), (52, 9389), (63, 9470), (64, 9479), (76, 9569), (78, 9581), (80, 9620), (86, 9662), (92, 9689), (115, 9815), (126, 9884),

Gene: Rumpelstiltskin_13 Start: 9002, Stop: 9901, Start Num: 9
Candidate Starts for Rumpelstiltskin_13:
(Start: 9 @9002 has 106 MA's), (19, 9065), (23, 9086), (32, 9155), (39, 9287), (41, 9308), (52, 9389), (63, 9470), (64, 9479), (76, 9569), (78, 9581), (80, 9620), (90, 9683), (92, 9689), (106, 9770), (115, 9815), (126, 9884),

Gene: Samty_14 Start: 9119, Stop: 10021, Start Num: 9
Candidate Starts for Samty_14:

(Start: 9 @9119 has 106 MA's), (19, 9185), (39, 9407), (41, 9428), (52, 9509), (63, 9590), (64, 9599), (75, 9686), (78, 9701), (80, 9740), (95, 9833), (104, 9884), (115, 9935),

Gene: Sarshaun_13 Start: 9035, Stop: 9934, Start Num: 9
Candidate Starts for Sarshaun_13:
(Start: 9 @9035 has 106 MA's), (19, 9098), (23, 9119), (32, 9188), (39, 9320), (41, 9341), (52, 9422), (63, 9503), (64, 9512), (76, 9602), (78, 9614), (80, 9653), (90, 9716), (92, 9722), (106, 9803), (115, 9848), (126, 9917),

Gene: Schnabeltier_12 Start: 8330, Stop: 9172, Start Num: 8
Candidate Starts for Schnabeltier_12:
(7, 8270), (Start: 8 @8330 has 18 MA's), (16, 8381), (40, 8633), (48, 8681), (51, 8705), (55, 8750), (69, 8831), (72, 8861), (94, 9014), (102, 9053), (108, 9089),

Gene: Sheng711_13 Start: 8672, Stop: 9574, Start Num: 9
Candidate Starts for Sheng711_13:
(Start: 9 @8672 has 106 MA's), (19, 8738), (39, 8960), (41, 8981), (52, 9062), (56, 9101), (63, 9143), (64, 9152), (75, 9239), (78, 9254), (80, 9293), (83, 9320), (90, 9356), (92, 9362), (98, 9395), (103, 9434), (104, 9437), (115, 9488), (122, 9539),

Gene: Silverleaf_13 Start: 8989, Stop: 9891, Start Num: 9
Candidate Starts for Silverleaf_13:
(Start: 9 @8989 has 106 MA's), (19, 9055), (21, 9061), (32, 9145), (41, 9298), (43, 9310), (52, 9379), (56, 9418), (61, 9448), (64, 9469), (90, 9673), (98, 9712), (115, 9805), (117, 9829), (126, 9874),

Gene: Skinny_24 Start: 12816, Stop: 13715, Start Num: 9
Candidate Starts for Skinny_24:
(Start: 9 @12816 has 106 MA's), (22, 12897), (29, 12951), (31, 12957), (38, 13086), (41, 13125), (49, 13191), (54, 13245), (58, 13260), (63, 13293), (71, 13350), (73, 13362), (83, 13470), (93, 13512), (99, 13536), (107, 13584), (119, 13659), (125, 13692),

Gene: SlimJimmy_22 Start: 12815, Stop: 13714, Start Num: 9
Candidate Starts for SlimJimmy_22:
(Start: 9 @12815 has 106 MA's), (22, 12896), (29, 12950), (31, 12956), (38, 13085), (41, 13124), (49, 13190), (54, 13244), (58, 13259), (63, 13292), (71, 13349), (73, 13361), (93, 13511), (99, 13535), (107, 13583), (119, 13658), (120, 13664), (125, 13691),

Gene: Snenia_14 Start: 9124, Stop: 10026, Start Num: 9
Candidate Starts for Snenia_14:
(Start: 9 @9124 has 106 MA's), (19, 9190), (39, 9412), (41, 9433), (52, 9514), (63, 9595), (64, 9604), (75, 9691), (78, 9706), (80, 9745), (95, 9838), (104, 9889), (115, 9940),

Gene: SoJulia_13 Start: 9002, Stop: 9901, Start Num: 9
Candidate Starts for SoJulia_13:
(Start: 9 @9002 has 106 MA's), (19, 9065), (23, 9086), (32, 9155), (39, 9287), (41, 9308), (52, 9389), (63, 9470), (64, 9479), (76, 9569), (78, 9581), (80, 9620), (92, 9689), (115, 9815), (126, 9884),

Gene: Soap141_13 Start: 9035, Stop: 9934, Start Num: 9
Candidate Starts for Soap141_13:
(Start: 9 @9035 has 106 MA's), (19, 9098), (23, 9119), (32, 9188), (39, 9320), (41, 9341), (52, 9422), (63, 9503), (64, 9512), (76, 9602), (78, 9614), (80, 9653), (90, 9716), (92, 9722), (106, 9803), (115, 9848), (126, 9917),

Gene: TaronosaurasRx_12 Start: 8343, Stop: 9185, Start Num: 8
Candidate Starts for TaronosaurasRx_12:
(7, 8283), (Start: 8 @8343 has 18 MA's), (16, 8394), (40, 8646), (48, 8694), (51, 8718), (55, 8763), (72, 8874), (94, 9027), (102, 9066), (108, 9102),

Gene: Tourach_13 Start: 9015, Stop: 9917, Start Num: 9
Candidate Starts for Tourach_13:
(Start: 9 @9015 has 106 MA's), (19, 9081), (32, 9171), (39, 9303), (41, 9324), (52, 9405), (56, 9444), (61, 9474), (63, 9486), (64, 9495), (76, 9585), (78, 9597), (80, 9636), (90, 9699), (115, 9831), (126, 9900),

Gene: TpudiCK_24 Start: 12815, Stop: 13714, Start Num: 9
Candidate Starts for TpudiCK_24:
(Start: 9 @12815 has 106 MA's), (22, 12896), (29, 12950), (31, 12956), (38, 13085), (41, 13124), (49, 13190), (54, 13244), (58, 13259), (63, 13292), (71, 13349), (73, 13361), (83, 13469), (93, 13511), (99, 13535), (107, 13583), (119, 13658), (125, 13691),

Gene: TriFive_14 Start: 9123, Stop: 10025, Start Num: 9
Candidate Starts for TriFive_14:
(Start: 9 @9123 has 106 MA's), (19, 9189), (39, 9411), (41, 9432), (52, 9513), (63, 9594), (64, 9603), (75, 9690), (78, 9705), (80, 9744), (95, 9837), (104, 9888), (115, 9939),

Gene: TyDawg_23 Start: 12816, Stop: 13715, Start Num: 9
Candidate Starts for TyDawg_23:
(Start: 9 @12816 has 106 MA's), (22, 12897), (29, 12951), (31, 12957), (38, 13086), (41, 13125), (49, 13191), (54, 13245), (58, 13260), (63, 13293), (71, 13350), (73, 13362), (83, 13470), (93, 13512), (99, 13536), (107, 13584), (119, 13659), (125, 13692),

Gene: Tyson_13 Start: 8989, Stop: 9891, Start Num: 9
Candidate Starts for Tyson_13:
(Start: 9 @8989 has 106 MA's), (19, 9055), (21, 9061), (32, 9145), (41, 9298), (43, 9310), (52, 9379), (56, 9418), (61, 9448), (64, 9469), (90, 9673), (98, 9712), (115, 9805), (117, 9829), (126, 9874),

Gene: UPIE_13 Start: 8987, Stop: 9889, Start Num: 9
Candidate Starts for UPIE_13:
(Start: 9 @8987 has 106 MA's), (19, 9053), (21, 9059), (32, 9143), (41, 9296), (43, 9308), (52, 9377), (56, 9416), (61, 9446), (64, 9467), (90, 9671), (98, 9710), (115, 9803), (117, 9827), (126, 9872),

Gene: Underpass_13 Start: 9002, Stop: 9901, Start Num: 9
Candidate Starts for Underpass_13:
(Start: 9 @9002 has 106 MA's), (19, 9065), (23, 9086), (32, 9155), (39, 9287), (41, 9308), (52, 9389), (63, 9470), (64, 9479), (76, 9569), (78, 9581), (80, 9620), (92, 9689), (115, 9815), (126, 9884),

Gene: Vetrix_13 Start: 9002, Stop: 9901, Start Num: 9
Candidate Starts for Vetrix_13:
(Start: 9 @9002 has 106 MA's), (19, 9065), (23, 9086), (32, 9155), (39, 9287), (41, 9308), (52, 9389), (63, 9470), (64, 9479), (76, 9569), (78, 9581), (80, 9620), (90, 9683), (92, 9689), (106, 9770), (115, 9815), (126, 9884),

Gene: WST1_12 Start: 8519, Stop: 9337, Start Num: 10
Candidate Starts for WST1_12:
(6, 8444), (Start: 10 @8519 has 1 MA's), (12, 8546), (16, 8567), (20, 8591), (23, 8609), (26, 8624), (36, 8765), (39, 8804), (43, 8837), (51, 8894), (53, 8930), (55, 8936), (57, 8942), (59, 8957), (65, 8996), (68,

9014), (69, 9017), (75, 9074), (77, 9089), (81, 9140), (87, 9173), (90, 9188), (101, 9233), (105, 9263), (111, 9284), (113, 9296), (118, 9329),

Gene: Wamburgrxpress_13 Start: 8989, Stop: 9891, Start Num: 9
Candidate Starts for Wamburgrxpress_13:
(Start: 9 @8989 has 106 MA's), (19, 9055), (21, 9061), (32, 9145), (41, 9298), (43, 9310), (52, 9379), (56, 9418), (61, 9448), (64, 9469), (90, 9673), (98, 9712), (115, 9805), (117, 9829), (126, 9874),

Gene: Whirlwind_15 Start: 9117, Stop: 10016, Start Num: 9
Candidate Starts for Whirlwind_15:
(Start: 9 @9117 has 106 MA's), (19, 9183), (39, 9405), (41, 9426), (52, 9507), (63, 9588), (64, 9597), (78, 9699), (80, 9738), (90, 9801), (115, 9933), (126, 10002),

Gene: Wigglewiggle_13 Start: 9035, Stop: 9934, Start Num: 9
Candidate Starts for Wigglewiggle_13:
(Start: 9 @9035 has 106 MA's), (19, 9098), (23, 9119), (32, 9188), (39, 9320), (41, 9341), (52, 9422), (63, 9503), (64, 9512), (76, 9602), (78, 9614), (80, 9653), (90, 9716), (92, 9722), (106, 9803), (115, 9848), (117, 9872), (126, 9917),

Gene: Wildcat_35 Start: 15870, Stop: 16781, Start Num: 9
Candidate Starts for Wildcat_35:
(Start: 9 @15870 has 106 MA's), (14, 15909), (19, 15936), (20, 15939), (22, 15951), (24, 15966), (41, 16179), (49, 16245), (50, 16251), (68, 16380), (73, 16416), (82, 16515), (85, 16536), (99, 16590), (100, 16593), (110, 16653), (114, 16677), (115, 16680), (116, 16689), (120, 16716), (124, 16746), (125, 16758),

Gene: Wilder_13 Start: 9002, Stop: 9901, Start Num: 9
Candidate Starts for Wilder_13:
(Start: 9 @9002 has 106 MA's), (19, 9065), (23, 9086), (32, 9155), (39, 9287), (41, 9308), (52, 9389), (63, 9470), (64, 9479), (76, 9569), (78, 9581), (80, 9620), (92, 9689), (115, 9815), (126, 9884),

Gene: Winky_13 Start: 9002, Stop: 9901, Start Num: 9
Candidate Starts for Winky_13:
(Start: 9 @9002 has 106 MA's), (19, 9065), (23, 9086), (32, 9155), (39, 9287), (41, 9308), (52, 9389), (63, 9470), (64, 9479), (76, 9569), (78, 9581), (80, 9620), (90, 9683), (92, 9689), (106, 9770), (115, 9815), (126, 9884),

Gene: Wyatt2_13 Start: 8989, Stop: 9891, Start Num: 9
Candidate Starts for Wyatt2_13:
(Start: 9 @8989 has 106 MA's), (19, 9055), (21, 9061), (32, 9145), (41, 9298), (43, 9310), (52, 9379), (56, 9418), (61, 9448), (64, 9469), (90, 9673), (98, 9712), (115, 9805), (117, 9829), (126, 9874),

Gene: ZAYM_12 Start: 8336, Stop: 9178, Start Num: 8
Candidate Starts for ZAYM_12:
(7, 8276), (Start: 8 @8336 has 18 MA's), (16, 8387), (40, 8639), (48, 8687), (51, 8711), (55, 8756), (72, 8867), (94, 9020), (102, 9059), (108, 9095),

Gene: Zakai_13 Start: 8990, Stop: 9889, Start Num: 9
Candidate Starts for Zakai_13:
(Start: 9 @8990 has 106 MA's), (19, 9053), (23, 9074), (32, 9143), (39, 9275), (41, 9296), (52, 9377), (63, 9458), (64, 9467), (76, 9557), (78, 9569), (80, 9608), (90, 9671), (92, 9677), (106, 9758), (115, 9803), (126, 9872),

Gene: Zaria_13 Start: 8990, Stop: 9892, Start Num: 9
Candidate Starts for Zaria_13:
(Start: 9 @8990 has 106 MA's), (19, 9056), (21, 9062), (32, 9146), (41, 9299), (43, 9311), (52, 9380), (56, 9419), (61, 9449), (64, 9470), (90, 9674), (98, 9713), (115, 9806), (117, 9830), (126, 9875),

Gene: ZhongYanYuan_12 Start: 8830, Stop: 9729, Start Num: 9
Candidate Starts for ZhongYanYuan_12:
(Start: 9 @8830 has 106 MA's), (19, 8893), (23, 8914), (32, 8983), (39, 9115), (41, 9136), (52, 9217), (63, 9298), (64, 9307), (76, 9397), (78, 9409), (80, 9448), (86, 9490), (90, 9511), (92, 9517), (115, 9643), (126, 9712),