





A series of horizontal lines for writing, with a dashed vertical line on the right side.

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 215982 Report

This analysis was run 02/22/25 on database version 588.

Pham number 215982 has 116 members, 19 are drafts.

Phages represented in each track:

- Track 1 : Preamble_21, Kittykat_21
- Track 2 : GreenHearts_25
- Track 3 : Albanese_25, Lakshmi_25
- Track 4 : Immaculata_25, Cholula_25, Potatoes_25
- Track 5 : Lasagna_21
- Track 6 : Glenn_25, TattModd_25, Carpal_25, Fluke_25, Vallejo_25
- Track 7 : RAP15_25, Korra_26, MeganNoll_25, Savage2526_25, MrGloopy_25, Jumboset_25, BrotherBLo_25
- Track 8 : Gisselle_21, DreamTeam_21
- Track 9 : Aledel_21, Supakev_21, Eunoia_21, OMalley_21, Chridison_21, Riovina_21
- Track 10 : DrRobert_21, Lucy_21, Christian_21, PitaDog_21, OurGirlNessie_21
- Track 11 : PinkFriday_21, Pumancara_21
- Track 12 : Greenhouse_25
- Track 13 : Maria1952_21, Daiboju_21, Temper16_21, KingBob_21, Herb_21, Sergei_21
- Track 14 : Rozby_25, Riverdale_25, Beethoven_25
- Track 15 : Litotes_25
- Track 16 : HeadNerd_21, Moki_21, Bennie_21, Huckleberry_21
- Track 17 : AustinPowers_21
- Track 18 : Huntingdon_25, RcigaStruga_25
- Track 19 : WonderBoy_21
- Track 20 : Suppi_25, AppleCider_25, Canowicakte_25
- Track 21 : Nubia_25, Oxynfrius_25
- Track 22 : HunterDalle_21, Vulture_21
- Track 23 : Wawa_25
- Track 24 : CallieOMalley_25, PartyCup_25, Wayne_25
- Track 25 : Urla_21
- Track 26 : EstebanJulior_21, MamaPearl_21
- Track 27 : Dino_25, Zorro_25, Kalizoi_25
- Track 28 : Bodacious_21, Nancia_21, CristinaYang_21, LilStuart_21, Lennox_21, ChewChew_21
- Track 29 : Misaeng_25
- Track 30 : BigMack_21
- Track 31 : Scuttle_25
- Track 32 : Pterodactyl_21, Makoto_21
- Track 33 : Joann_25

- Track 34 : Aikyam_27, CookieBear_28, RadFad_27, Richie_27, Auxilium_27, MaterMagnus_27, BlueShadow_28, Hillester_27, Windest_28, MidnightRain_27, YoungHarleezy_27
- Track 35 : Globfish_27
- Track 36 : SpicyFrank_27
- Track 37 : BenchScraper_27
- Track 38 : ShakeltOph_22, JasmineDragon_21
- Track 39 : VroomVroom_21
- Track 40 : MiniMommy_21
- Track 41 : Pigu_22
- Track 42 : Sarge_22, BrayBeast_22
- Track 43 : Seldom_20, Dunamis_24, Swim_25
- Track 44 : Mendel_22
- Track 45 : Goodgraces_22
- Track 46 : Tillums_26
- Track 47 : Anjali_20
- Track 48 : Hum25_23
- Track 49 : TMaxx_21
- Track 50 : Audell_24
- Track 51 : AnnabelLee_21

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

The start number called the most often in the published annotations is 15, it was called in 88 of the 97 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Albanese_25, Aledel_21, AppleCider_25, AustinPowers_21, Beethoven_25, Bennie_21, BigMack_21, Bodacious_21, BrayBeast_22, BrotherBLo_25, CallieOMalley_25, Canowicakte_25, Carpal_25, ChewChew_21, Cholula_25, Chridison_21, Christian_21, CristinaYang_21, Daiboju_21, Dino_25, DrRobert_21, DreamTeam_21, EstebanJulior_21, Eunoia_21, Fluke_25, Gisselle_21, Glenn_25, GreenHearts_25, Greenhouse_25, HeadNerd_21, Herb_21, Huckleberry_21, Hum25_23, HunterDalle_21, Huntingdon_25, Immaculata_25, JasmineDragon_21, Joann_25, Jumboset_25, Kalizoi_25, KingBob_21, Kittykat_21, Korra_26, Lakshmi_25, Lasagna_21, Lennox_21, LilStuart_21, Litotes_25, Lucy_21, Makoto_21, MamaPearl_21, Maria1952_21, MeganNoll_25, MiniMommy_21, Misaeng_25, Moki_21, MrGloopy_25, Nancia_21, Nubia_25, OMalley_21, OurGirlNessie_21, Oxynfrius_25, PartyCup_25, Pigu_22, PinkFriday_21, PitaDog_21, Potatoes_25, Preamble_21, Pterodactyl_21, Pumancara_21, RAP15_25, RcigaStruga_25, Riovina_21, Riverdale_25, Rozby_25, Sarge_22, Savage2526_25, Scuttle_25, Sergei_21, ShakeltOph_22, Supakev_21, Suppi_25, TattModd_25, Temper16_21, Urla_21, Vallejo_25, VroomVroom_21, Vulture_21, Wawa_25, Wayne_25, WonderBoy_21, Zorro_25,

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

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

- Aikyam_27, Anjali_20, AnnabelLee_21, Audell_24, Auxilium_27, BenchScraper_27, BlueShadow_28, CookieBear_28, Dunamis_24, Globfish_27, Goodgraces_22, Hillester_27, MaterMagnus_27, Mendel_22, MidnightRain_27, RadFad_27, Richie_27, Seldom_20, SpicyFrank_27, Swim_25, TMaxx_21, Tillums_26, Windest_28, YoungHarleezy_27,

Summary by start number:

Start 13:

- Found in 14 of 116 (12.1%) of genes in pham
- Manual Annotations of this start: 5 of 97
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aikyam_27 (AY), Auxilium_27 (AY), BenchScraper_27 (AY), BlueShadow_28 (AY), CookieBear_28 (AY), Globfish_27 (AY), Hillester_27 (AY), MaterMagnus_27 (AY), MidnightRain_27 (AY), RadFad_27 (AY), Richie_27 (AY), SpicyFrank_27 (AY), Windest_28 (AY), YoungHarleezy_27 (AY),

Start 15:

- Found in 92 of 116 (79.3%) of genes in pham
- Manual Annotations of this start: 88 of 97
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Albanese_25 (AK), Aledel_21 (AK), AppleCider_25 (AK), AustinPowers_21 (AK), Beethoven_25 (AK), Bennie_21 (AK), BigMack_21 (AK), Bodacious_21 (AK), BrayBeast_22 (FB), BrotherBLo_25 (AK), CallieOMalley_25 (AK), Canowicakte_25 (AK), Carpal_25 (AK), ChewChew_21 (AK), Cholula_25 (AK), Chridison_21 (AK), Christian_21 (AK), CristinaYang_21 (AK), Daiboju_21 (AK), Dino_25 (AK), DrRobert_21 (AK), DreamTeam_21 (AK), EstebanJulior_21 (AK), Eunoia_21 (AK), Fluke_25 (AK), Gisselle_21 (AK), Glenn_25 (AK), GreenHearts_25 (AK), Greenhouse_25 (AK), HeadNerd_21 (AK), Herb_21 (AK), Huckleberry_21 (AK), Hum25_23 (FQ), HunterDalle_21 (AK), Huntingdon_25 (AK), Immaculata_25 (AK), JasmineDragon_21 (AZ4), Joann_25 (AK), Jumboset_25 (AK), Kalizoi_25 (AK), KingBob_21 (AK), Kittykat_21 (AK), Korra_26 (AK), Lakshmi_25 (AK), Lasagna_21 (AK), Lennox_21 (AK), LilStuart_21 (AK), Litotes_25 (AK), Lucy_21 (AK), Makoto_21 (AK), MamaPearl_21 (AK), Maria1952_21 (AK), MeganNoll_25 (AK), MiniMommy_21 (AZ4), Misaeng_25 (AK), Moki_21 (AK), MrGloopy_25 (AK), Nancia_21 (AK), Nubia_25 (AK), OMalley_21 (AK), OurGirlNessie_21 (AK), Oxynfrius_25 (AK), PartyCup_25 (AK), Pigu_22 (FB), PinkFriday_21 (AK), PitaDog_21 (AK), Potatoes_25 (AK), Preamble_21 (AK), Pterodactyl_21 (AK), Pumancara_21 (AK), RAP15_25 (AK), RcigaStruga_25 (AK), Riovina_21 (AK), Riverdale_25 (AK), Rozby_25 (AK), Sarge_22 (FB), Savage2526_25 (AK), Scuttle_25 (AK), Sergei_21 (AK), ShakeltOph_22 (AZ4), Supakev_21 (AK), Suppi_25 (AK), TattModd_25 (AK), Temper16_21 (AK), Urla_21 (AK), Vallejo_25 (AK), VroomVroom_21 (AZ4), Vulture_21 (AK), Wawa_25 (AK), Wayne_25 (AK), WonderBoy_21 (AK), Zorro_25 (AK),

Start 16:

- Found in 1 of 116 (0.9%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Audell_24 (FR),

Start 17:

- Found in 8 of 116 (6.9%) of genes in pham
- Manual Annotations of this start: 4 of 97
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anjali_20 (FD), Dunamis_24 (FD), Goodgraces_22 (FD), Mendel_22 (FD), Seldom_20 (FD), Swim_25 (FD), TMaxx_21 (FR), Tillums_26 (FD),

Start 18:

- Found in 1 of 116 (0.9%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AnnabelLee_21 (FR),

Summary by clusters:

There are 7 clusters represented in this pham: FQ, FR, AK, FB, FD, AY, AZ4,

Info for manual annotations of cluster AK:

- Start number 15 was manually annotated 83 times for cluster AK.

Info for manual annotations of cluster AY:

- Start number 13 was manually annotated 5 times for cluster AY.

Info for manual annotations of cluster AZ4:

- Start number 15 was manually annotated 2 times for cluster AZ4.

Info for manual annotations of cluster FB:

- Start number 15 was manually annotated 2 times for cluster FB.

Info for manual annotations of cluster FD:

- Start number 17 was manually annotated 4 times for cluster FD.

Info for manual annotations of cluster FQ:

- Start number 15 was manually annotated 1 time for cluster FQ.

Gene Information:

Gene: Aikyam_27 Start: 19476, Stop: 20438, Start Num: 13

Candidate Starts for Aikyam_27:

(9, 19410), (Start: 13 @19476 has 5 MA's), (14, 19497), (31, 19662), (35, 19680), (36, 19686), (42, 19734), (47, 19803), (48, 19812), (50, 19833), (57, 19899), (64, 20004), (66, 20025), (78, 20085), (86, 20160), (96, 20256), (98, 20277),

Gene: Albanese_25 Start: 20058, Stop: 20894, Start Num: 15

Candidate Starts for Albanese_25:

(Start: 15 @20058 has 88 MA's), (24, 20124), (34, 20220), (38, 20250), (39, 20253), (41, 20268), (52, 20394), (53, 20397), (54, 20406), (67, 20550), (71, 20559), (75, 20589), (77, 20607), (81, 20640), (82, 20646), (93, 20760), (106, 20832), (108, 20859), (109, 20871),

Gene: Aledel_21 Start: 18421, Stop: 19260, Start Num: 15

Candidate Starts for Aledel_21:

(Start: 15 @18421 has 88 MA's), (26, 18517), (41, 18637), (52, 18763), (54, 18775), (67, 18916), (81, 19006), (91, 19111), (106, 19198), (108, 19225),

Gene: Anjali_20 Start: 15722, Stop: 16366, Start Num: 17

Candidate Starts for Anjali_20:

(1, 15368), (6, 15509), (10, 15665), (Start: 17 @15722 has 4 MA's), (23, 15773), (30, 15860), (51, 16040), (53, 16052), (70, 16211),

Gene: AnnabelLee_21 Start: 14177, Stop: 15061, Start Num: 18

Candidate Starts for AnnabelLee_21:

(18, 14177), (44, 14399), (55, 14525), (59, 14549), (61, 14585), (62, 14612), (68, 14663), (111, 15017),

Gene: AppleCider_25 Start: 20046, Stop: 20882, Start Num: 15

Candidate Starts for AppleCider_25:

(5, 19797), (Start: 15 @20046 has 88 MA's), (38, 20238), (41, 20256), (53, 20385), (54, 20394), (56, 20415), (58, 20424), (65, 20532), (67, 20538), (81, 20628), (82, 20634), (91, 20733), (103, 20805), (108, 20847),

Gene: Audell_24 Start: 17501, Stop: 18355, Start Num: 16

Candidate Starts for Audell_24:

(16, 17501), (24, 17567), (29, 17642), (51, 17825), (62, 17945), (76, 18005),

Gene: AustinPowers_21 Start: 18422, Stop: 19261, Start Num: 15

Candidate Starts for AustinPowers_21:

(Start: 15 @18422 has 88 MA's), (26, 18518), (41, 18638), (52, 18764), (54, 18776), (67, 18917), (81, 19007), (90, 19091), (91, 19112), (106, 19199), (108, 19226),

Gene: Auxilium_27 Start: 19466, Stop: 20428, Start Num: 13

Candidate Starts for Auxilium_27:

(9, 19400), (Start: 13 @19466 has 5 MA's), (14, 19487), (31, 19652), (35, 19670), (36, 19676), (42, 19724), (47, 19793), (48, 19802), (50, 19823), (57, 19889), (64, 19994), (66, 20015), (78, 20075), (86, 20150), (96, 20246), (98, 20267),

Gene: Beethoven_25 Start: 19983, Stop: 20840, Start Num: 15

Candidate Starts for Beethoven_25:

(Start: 15 @19983 has 88 MA's), (38, 20175), (39, 20178), (40, 20190), (63, 20439), (65, 20469), (67, 20475), (81, 20565), (82, 20571), (91, 20670), (99, 20727), (102, 20760), (106, 20778), (107, 20784), (108, 20805),

Gene: BenchScraper_27 Start: 19481, Stop: 20443, Start Num: 13

Candidate Starts for BenchScraper_27:

(9, 19415), (Start: 13 @19481 has 5 MA's), (14, 19502), (31, 19667), (35, 19685), (36, 19691), (47, 19808), (48, 19817), (50, 19838), (57, 19904), (64, 20009), (66, 20030), (78, 20090), (86, 20165), (96, 20261), (98, 20282),

Gene: Bennie_21 Start: 18441, Stop: 19298, Start Num: 15

Candidate Starts for Bennie_21:

(5, 18192), (Start: 15 @18441 has 88 MA's), (38, 18633), (41, 18651), (53, 18780), (58, 18819), (65, 18927), (67, 18933), (81, 19023), (82, 19029), (88, 19074), (99, 19185), (106, 19236), (108, 19263),

Gene: BigMack_21 Start: 18430, Stop: 19293, Start Num: 15

Candidate Starts for BigMack_21:

(Start: 15 @18430 has 88 MA's), (38, 18625), (41, 18643), (52, 18769), (53, 18772), (58, 18811), (65, 18919), (67, 18925), (74, 18955), (81, 19015), (82, 19021), (88, 19066), (91, 19120), (99, 19177), (106, 19231), (108, 19258),

Gene: BlueShadow_28 Start: 19466, Stop: 20428, Start Num: 13

Candidate Starts for BlueShadow_28:

(9, 19400), (Start: 13 @19466 has 5 MA's), (14, 19487), (31, 19652), (35, 19670), (36, 19676), (42, 19724), (47, 19793), (48, 19802), (50, 19823), (57, 19889), (64, 19994), (66, 20015), (78, 20075), (86, 20150), (96, 20246), (98, 20267),

Gene: Bodacious_21 Start: 18443, Stop: 19306, Start Num: 15

Candidate Starts for Bodacious_21:

(Start: 15 @18443 has 88 MA's), (38, 18638), (41, 18656), (53, 18785), (58, 18824), (65, 18932), (67, 18938), (74, 18968), (81, 19028), (82, 19034), (88, 19079), (92, 19139), (99, 19190), (106, 19244), (108, 19271),

Gene: BrayBeast_22 Start: 17377, Stop: 18099, Start Num: 15

Candidate Starts for BrayBeast_22:

(Start: 15 @17377 has 88 MA's), (23, 17431), (29, 17515), (33, 17530), (43, 17593), (61, 17788), (72, 17875), (84, 17950), (89, 17989), (90, 18001),

Gene: BrotherBLo_25 Start: 19989, Stop: 20846, Start Num: 15

Candidate Starts for BrotherBLo_25:

(Start: 15 @19989 has 88 MA's), (38, 20181), (39, 20184), (40, 20196), (58, 20367), (63, 20445), (65, 20475), (67, 20481), (81, 20571), (82, 20577), (91, 20676), (99, 20733), (106, 20784), (107, 20790), (108, 20811),

Gene: CallieOMalley_25 Start: 20046, Stop: 20882, Start Num: 15

Candidate Starts for CallieOMalley_25:

(5, 19797), (Start: 15 @20046 has 88 MA's), (38, 20238), (41, 20256), (52, 20382), (53, 20385), (54, 20394), (56, 20415), (58, 20424), (65, 20532), (67, 20538), (81, 20628), (82, 20634), (91, 20733), (103, 20805), (108, 20847),

Gene: Canowicakte_25 Start: 20081, Stop: 20917, Start Num: 15

Candidate Starts for Canowicakte_25:

(5, 19832), (Start: 15 @20081 has 88 MA's), (38, 20273), (41, 20291), (53, 20420), (54, 20429), (56, 20450), (58, 20459), (65, 20567), (67, 20573), (81, 20663), (82, 20669), (91, 20768), (103, 20840), (108, 20882),

Gene: Carpal_25 Start: 19990, Stop: 20847, Start Num: 15

Candidate Starts for Carpal_25:

(Start: 15 @19990 has 88 MA's), (38, 20182), (39, 20185), (40, 20197), (58, 20368), (63, 20446), (65, 20476), (67, 20482), (81, 20572), (82, 20578), (91, 20677), (99, 20734), (102, 20767), (106, 20785), (107, 20791), (108, 20812),

Gene: ChewChew_21 Start: 18442, Stop: 19305, Start Num: 15

Candidate Starts for ChewChew_21:

(Start: 15 @18442 has 88 MA's), (38, 18637), (41, 18655), (53, 18784), (58, 18823), (65, 18931), (67, 18937), (74, 18967), (81, 19027), (82, 19033), (88, 19078), (92, 19138), (99, 19189), (106, 19243), (108, 19270),

Gene: Cholula_25 Start: 20035, Stop: 20892, Start Num: 15

Candidate Starts for Cholula_25:

(Start: 15 @20035 has 88 MA's), (38, 20227), (39, 20230), (40, 20242), (58, 20413), (63, 20491), (65, 20521), (67, 20527), (81, 20617), (82, 20623), (91, 20722), (99, 20779), (105, 20827), (106, 20830), (107, 20836), (108, 20857),

Gene: Chridison_21 Start: 18422, Stop: 19261, Start Num: 15

Candidate Starts for Chridison_21:

(Start: 15 @18422 has 88 MA's), (26, 18518), (41, 18638), (52, 18764), (54, 18776), (67, 18917), (81, 19007), (91, 19112), (106, 19199), (108, 19226),

Gene: Christian_21 Start: 18443, Stop: 19306, Start Num: 15

Candidate Starts for Christian_21:

(Start: 15 @18443 has 88 MA's), (38, 18638), (41, 18656), (52, 18782), (53, 18785), (54, 18794), (58, 18824), (65, 18932), (67, 18938), (74, 18968), (81, 19028), (82, 19034), (88, 19079), (92, 19139), (99, 19190), (106, 19244), (108, 19271),

Gene: CookieBear_28 Start: 19466, Stop: 20428, Start Num: 13

Candidate Starts for CookieBear_28:

(9, 19400), (Start: 13 @19466 has 5 MA's), (14, 19487), (31, 19652), (35, 19670), (36, 19676), (42, 19724), (47, 19793), (48, 19802), (50, 19823), (57, 19889), (64, 19994), (66, 20015), (78, 20075), (86, 20150), (96, 20246), (98, 20267),

Gene: CristinaYang_21 Start: 18443, Stop: 19306, Start Num: 15

Candidate Starts for CristinaYang_21:

(Start: 15 @18443 has 88 MA's), (38, 18638), (41, 18656), (53, 18785), (58, 18824), (65, 18932), (67, 18938), (74, 18968), (81, 19028), (82, 19034), (88, 19079), (92, 19139), (99, 19190), (106, 19244), (108, 19271),

Gene: Daiboju_21 Start: 18436, Stop: 19278, Start Num: 15

Candidate Starts for Daiboju_21:

(2, 18094), (5, 18187), (Start: 15 @18436 has 88 MA's), (41, 18652), (67, 18931), (77, 18988), (81, 19021), (82, 19027), (91, 19126), (95, 19150), (101, 19183), (106, 19216), (108, 19243),

Gene: Dino_25 Start: 19988, Stop: 20845, Start Num: 15

Candidate Starts for Dino_25:

(Start: 15 @19988 has 88 MA's), (38, 20180), (39, 20183), (40, 20195), (41, 20198), (58, 20366), (63, 20444), (65, 20474), (67, 20480), (81, 20570), (82, 20576), (91, 20675), (99, 20732), (106, 20783), (107, 20789), (108, 20810),

Gene: DrRobert_21 Start: 18443, Stop: 19306, Start Num: 15

Candidate Starts for DrRobert_21:

(Start: 15 @18443 has 88 MA's), (38, 18638), (41, 18656), (52, 18782), (53, 18785), (54, 18794), (58, 18824), (65, 18932), (67, 18938), (74, 18968), (81, 19028), (82, 19034), (88, 19079), (92, 19139), (99, 19190), (106, 19244), (108, 19271),

Gene: DreamTeam_21 Start: 18481, Stop: 19338, Start Num: 15

Candidate Starts for DreamTeam_21:

(5, 18232), (Start: 15 @18481 has 88 MA's), (38, 18673), (41, 18691), (52, 18817), (53, 18820), (54, 18829), (56, 18850), (58, 18859), (65, 18967), (67, 18973), (74, 19003), (81, 19063), (82, 19069), (88, 19114), (99, 19225), (108, 19303),

Gene: Dunamis_24 Start: 15879, Stop: 16523, Start Num: 17

Candidate Starts for Dunamis_24:

(11, 15831), (Start: 17 @15879 has 4 MA's), (23, 15930), (29, 16014), (30, 16017), (41, 16080), (51, 16197), (53, 16209), (70, 16368),

Gene: EstebanJulior_21 Start: 18446, Stop: 19306, Start Num: 15

Candidate Starts for EstebanJulior_21:

(5, 18197), (Start: 15 @18446 has 88 MA's), (22, 18500), (34, 18608), (39, 18641), (40, 18653), (41, 18656), (53, 18785), (65, 18932), (67, 18938), (74, 18968), (81, 19028), (82, 19034), (88, 19079), (99, 19190), (106, 19244), (108, 19271),

Gene: Eunoia_21 Start: 18421, Stop: 19260, Start Num: 15

Candidate Starts for Eunoia_21:

(Start: 15 @18421 has 88 MA's), (26, 18517), (41, 18637), (52, 18763), (54, 18775), (67, 18916), (81, 19006), (91, 19111), (106, 19198), (108, 19225),

Gene: Fluke_25 Start: 20031, Stop: 20888, Start Num: 15

Candidate Starts for Fluke_25:

(Start: 15 @20031 has 88 MA's), (38, 20223), (39, 20226), (40, 20238), (58, 20409), (63, 20487), (65, 20517), (67, 20523), (81, 20613), (82, 20619), (91, 20718), (99, 20775), (102, 20808), (106, 20826), (107, 20832), (108, 20853),

Gene: Gisselle_21 Start: 18481, Stop: 19338, Start Num: 15

Candidate Starts for Gisselle_21:

(5, 18232), (Start: 15 @18481 has 88 MA's), (38, 18673), (41, 18691), (52, 18817), (53, 18820), (54, 18829), (56, 18850), (58, 18859), (65, 18967), (67, 18973), (74, 19003), (81, 19063), (82, 19069), (88, 19114), (99, 19225), (108, 19303),

Gene: Glenn_25 Start: 20040, Stop: 20897, Start Num: 15

Candidate Starts for Glenn_25:

(Start: 15 @20040 has 88 MA's), (38, 20232), (39, 20235), (40, 20247), (58, 20418), (63, 20496), (65, 20526), (67, 20532), (81, 20622), (82, 20628), (91, 20727), (99, 20784), (102, 20817), (106, 20835), (107, 20841), (108, 20862),

Gene: Globfish_27 Start: 19700, Stop: 20662, Start Num: 13

Candidate Starts for Globfish_27:

(Start: 13 @19700 has 5 MA's), (14, 19721), (21, 19775), (31, 19886), (35, 19904), (36, 19910), (37, 19913), (42, 19958), (48, 20036), (49, 20045), (50, 20057), (57, 20123), (60, 20162), (64, 20228), (66, 20249), (78, 20309), (86, 20384), (96, 20480), (98, 20501),

Gene: Goodgraces_22 Start: 15936, Stop: 16580, Start Num: 17

Candidate Starts for Goodgraces_22:

(Start: 17 @15936 has 4 MA's), (23, 15987), (29, 16071), (30, 16074), (41, 16137), (51, 16254), (53, 16266), (70, 16425),

Gene: GreenHearts_25 Start: 20150, Stop: 20986, Start Num: 15

Candidate Starts for GreenHearts_25:

(Start: 15 @20150 has 88 MA's), (24, 20216), (34, 20312), (38, 20342), (39, 20345), (41, 20360), (52, 20486), (53, 20489), (54, 20498), (58, 20528), (67, 20642), (71, 20651), (75, 20681), (77, 20699), (81, 20732), (82, 20738), (93, 20852), (106, 20924), (108, 20951), (109, 20963),

Gene: Greenhouse_25 Start: 20074, Stop: 20910, Start Num: 15

Candidate Starts for Greenhouse_25:

(Start: 15 @20074 has 88 MA's), (24, 20140), (34, 20236), (38, 20266), (39, 20269), (41, 20284), (52, 20410), (53, 20413), (54, 20422), (67, 20566), (71, 20575), (75, 20605), (77, 20623), (81, 20656), (82,

20662), (93, 20776), (106, 20848), (108, 20875), (109, 20887),

Gene: HeadNerd_21 Start: 18441, Stop: 19298, Start Num: 15

Candidate Starts for HeadNerd_21:

(5, 18192), (Start: 15 @18441 has 88 MA's), (38, 18633), (41, 18651), (53, 18780), (58, 18819), (65, 18927), (67, 18933), (81, 19023), (82, 19029), (88, 19074), (99, 19185), (106, 19236), (108, 19263),

Gene: Herb_21 Start: 18436, Stop: 19278, Start Num: 15

Candidate Starts for Herb_21:

(2, 18094), (5, 18187), (Start: 15 @18436 has 88 MA's), (41, 18652), (67, 18931), (77, 18988), (81, 19021), (82, 19027), (91, 19126), (95, 19150), (101, 19183), (106, 19216), (108, 19243),

Gene: Hillester_27 Start: 19466, Stop: 20428, Start Num: 13

Candidate Starts for Hillester_27:

(9, 19400), (Start: 13 @19466 has 5 MA's), (14, 19487), (31, 19652), (35, 19670), (36, 19676), (42, 19724), (47, 19793), (48, 19802), (50, 19823), (57, 19889), (64, 19994), (66, 20015), (78, 20075), (86, 20150), (96, 20246), (98, 20267),

Gene: Huckleberry_21 Start: 18441, Stop: 19298, Start Num: 15

Candidate Starts for Huckleberry_21:

(5, 18192), (Start: 15 @18441 has 88 MA's), (38, 18633), (41, 18651), (53, 18780), (58, 18819), (65, 18927), (67, 18933), (81, 19023), (82, 19029), (88, 19074), (99, 19185), (106, 19236), (108, 19263),

Gene: Hum25_23 Start: 17016, Stop: 17738, Start Num: 15

Candidate Starts for Hum25_23:

(12, 16989), (Start: 15 @17016 has 88 MA's), (24, 17079), (30, 17157), (38, 17202), (43, 17232), (45, 17241), (51, 17337), (61, 17427), (69, 17502), (72, 17514), (79, 17550), (83, 17580), (84, 17592), (90, 17643), (94, 17682),

Gene: HunterDalle_21 Start: 18421, Stop: 19260, Start Num: 15

Candidate Starts for HunterDalle_21:

(Start: 15 @18421 has 88 MA's), (26, 18517), (32, 18583), (41, 18637), (52, 18763), (54, 18775), (67, 18916), (81, 19006), (90, 19090), (91, 19111), (106, 19198), (108, 19225),

Gene: Huntingdon_25 Start: 20042, Stop: 20878, Start Num: 15

Candidate Starts for Huntingdon_25:

(Start: 15 @20042 has 88 MA's), (38, 20234), (40, 20249), (52, 20378), (53, 20381), (54, 20390), (56, 20411), (58, 20420), (63, 20498), (65, 20528), (67, 20534), (71, 20543), (75, 20573), (81, 20624), (82, 20630), (92, 20735), (95, 20753), (100, 20786), (106, 20816), (108, 20843), (109, 20855),

Gene: Immaculata_25 Start: 20034, Stop: 20891, Start Num: 15

Candidate Starts for Immaculata_25:

(Start: 15 @20034 has 88 MA's), (38, 20226), (39, 20229), (40, 20241), (58, 20412), (63, 20490), (65, 20520), (67, 20526), (81, 20616), (82, 20622), (91, 20721), (99, 20778), (105, 20826), (106, 20829), (107, 20835), (108, 20856),

Gene: JasmineDragon_21 Start: 17763, Stop: 18488, Start Num: 15

Candidate Starts for JasmineDragon_21:

(Start: 15 @17763 has 88 MA's), (23, 17820), (25, 17838), (30, 17907), (38, 17952), (62, 18204), (80, 18321), (87, 18378),

Gene: Joann_25 Start: 20008, Stop: 20844, Start Num: 15

Candidate Starts for Joann_25:

(Start: 15 @20008 has 88 MA's), (24, 20074), (34, 20170), (38, 20200), (39, 20203), (40, 20215), (41, 20218), (52, 20344), (53, 20347), (54, 20356), (58, 20386), (67, 20500), (71, 20509), (75, 20539), (77, 20557), (81, 20590), (82, 20596), (93, 20710), (106, 20782), (108, 20809), (109, 20821),

Gene: Jumboset_25 Start: 19983, Stop: 20840, Start Num: 15

Candidate Starts for Jumboset_25:

(Start: 15 @19983 has 88 MA's), (38, 20175), (39, 20178), (40, 20190), (58, 20361), (63, 20439), (65, 20469), (67, 20475), (81, 20565), (82, 20571), (91, 20670), (99, 20727), (106, 20778), (107, 20784), (108, 20805),

Gene: Kalizoi_25 Start: 19982, Stop: 20839, Start Num: 15

Candidate Starts for Kalizoi_25:

(Start: 15 @19982 has 88 MA's), (38, 20174), (39, 20177), (40, 20189), (41, 20192), (58, 20360), (63, 20438), (65, 20468), (67, 20474), (81, 20564), (82, 20570), (91, 20669), (99, 20726), (106, 20777), (107, 20783), (108, 20804),

Gene: KingBob_21 Start: 18436, Stop: 19278, Start Num: 15

Candidate Starts for KingBob_21:

(2, 18094), (5, 18187), (Start: 15 @18436 has 88 MA's), (41, 18652), (67, 18931), (77, 18988), (81, 19021), (82, 19027), (91, 19126), (95, 19150), (101, 19183), (106, 19216), (108, 19243),

Gene: Kittykat_21 Start: 18465, Stop: 19322, Start Num: 15

Candidate Starts for Kittykat_21:

(Start: 15 @18465 has 88 MA's), (38, 18657), (41, 18675), (52, 18801), (53, 18804), (58, 18843), (65, 18951), (67, 18957), (74, 18987), (81, 19047), (82, 19053), (88, 19098), (91, 19152), (99, 19209), (106, 19260), (108, 19287),

Gene: Korra_26 Start: 19988, Stop: 20845, Start Num: 15

Candidate Starts for Korra_26:

(Start: 15 @19988 has 88 MA's), (38, 20180), (39, 20183), (40, 20195), (58, 20366), (63, 20444), (65, 20474), (67, 20480), (81, 20570), (82, 20576), (91, 20675), (99, 20732), (106, 20783), (107, 20789), (108, 20810),

Gene: Lakshmi_25 Start: 20034, Stop: 20870, Start Num: 15

Candidate Starts for Lakshmi_25:

(Start: 15 @20034 has 88 MA's), (24, 20100), (34, 20196), (38, 20226), (39, 20229), (41, 20244), (52, 20370), (53, 20373), (54, 20382), (67, 20526), (71, 20535), (75, 20565), (77, 20583), (81, 20616), (82, 20622), (93, 20736), (106, 20808), (108, 20835), (109, 20847),

Gene: Lasagna_21 Start: 18443, Stop: 19306, Start Num: 15

Candidate Starts for Lasagna_21:

(Start: 15 @18443 has 88 MA's), (38, 18638), (41, 18656), (53, 18785), (54, 18794), (58, 18824), (65, 18932), (67, 18938), (74, 18968), (81, 19028), (82, 19034), (88, 19079), (92, 19139), (99, 19190), (106, 19244), (108, 19271),

Gene: Lennox_21 Start: 18431, Stop: 19294, Start Num: 15

Candidate Starts for Lennox_21:

(Start: 15 @18431 has 88 MA's), (38, 18626), (41, 18644), (53, 18773), (58, 18812), (65, 18920), (67, 18926), (74, 18956), (81, 19016), (82, 19022), (88, 19067), (92, 19127), (99, 19178), (106, 19232), (108, 19259),

Gene: LilStuart_21 Start: 18431, Stop: 19294, Start Num: 15

Candidate Starts for LilStuart_21:

(Start: 15 @18431 has 88 MA's), (38, 18626), (41, 18644), (53, 18773), (58, 18812), (65, 18920), (67, 18926), (74, 18956), (81, 19016), (82, 19022), (88, 19067), (92, 19127), (99, 19178), (106, 19232), (108, 19259),

Gene: Litotes_25 Start: 20031, Stop: 20867, Start Num: 15

Candidate Starts for Litotes_25:

(5, 19782), (Start: 15 @20031 has 88 MA's), (26, 20121), (38, 20223), (41, 20241), (53, 20370), (54, 20379), (56, 20400), (65, 20517), (67, 20523), (81, 20613), (82, 20619), (91, 20718), (103, 20790), (108, 20832),

Gene: Lucy_21 Start: 18423, Stop: 19286, Start Num: 15

Candidate Starts for Lucy_21:

(Start: 15 @18423 has 88 MA's), (38, 18618), (41, 18636), (52, 18762), (53, 18765), (54, 18774), (58, 18804), (65, 18912), (67, 18918), (74, 18948), (81, 19008), (82, 19014), (88, 19059), (92, 19119), (99, 19170), (106, 19224), (108, 19251),

Gene: Makoto_21 Start: 18443, Stop: 19306, Start Num: 15

Candidate Starts for Makoto_21:

(Start: 15 @18443 has 88 MA's), (38, 18638), (41, 18656), (52, 18782), (53, 18785), (58, 18824), (65, 18932), (67, 18938), (74, 18968), (81, 19028), (82, 19034), (88, 19079), (92, 19139), (99, 19190), (106, 19244), (108, 19271),

Gene: MamaPearl_21 Start: 18446, Stop: 19306, Start Num: 15

Candidate Starts for MamaPearl_21:

(5, 18197), (Start: 15 @18446 has 88 MA's), (22, 18500), (34, 18608), (39, 18641), (40, 18653), (41, 18656), (53, 18785), (65, 18932), (67, 18938), (74, 18968), (81, 19028), (82, 19034), (88, 19079), (99, 19190), (106, 19244), (108, 19271),

Gene: Maria1952_21 Start: 18436, Stop: 19278, Start Num: 15

Candidate Starts for Maria1952_21:

(2, 18094), (5, 18187), (Start: 15 @18436 has 88 MA's), (41, 18652), (67, 18931), (77, 18988), (81, 19021), (82, 19027), (91, 19126), (95, 19150), (101, 19183), (106, 19216), (108, 19243),

Gene: MaterMagnus_27 Start: 19476, Stop: 20438, Start Num: 13

Candidate Starts for MaterMagnus_27:

(9, 19410), (Start: 13 @19476 has 5 MA's), (14, 19497), (31, 19662), (35, 19680), (36, 19686), (42, 19734), (47, 19803), (48, 19812), (50, 19833), (57, 19899), (64, 20004), (66, 20025), (78, 20085), (86, 20160), (96, 20256), (98, 20277),

Gene: MeganNoll_25 Start: 20040, Stop: 20897, Start Num: 15

Candidate Starts for MeganNoll_25:

(Start: 15 @20040 has 88 MA's), (38, 20232), (39, 20235), (40, 20247), (58, 20418), (63, 20496), (65, 20526), (67, 20532), (81, 20622), (82, 20628), (91, 20727), (99, 20784), (106, 20835), (107, 20841), (108, 20862),

Gene: Mendel_22 Start: 15637, Stop: 16281, Start Num: 17

Candidate Starts for Mendel_22:

(11, 15589), (Start: 17 @15637 has 4 MA's), (23, 15688), (30, 15775), (51, 15955), (53, 15967), (70, 16126),

Gene: MidnightRain_27 Start: 19465, Stop: 20427, Start Num: 13

Candidate Starts for MidnightRain_27:

(9, 19399), (Start: 13 @19465 has 5 MA's), (14, 19486), (31, 19651), (35, 19669), (36, 19675), (42, 19723), (47, 19792), (48, 19801), (50, 19822), (57, 19888), (64, 19993), (66, 20014), (78, 20074), (86, 20149), (96, 20245), (98, 20266),

Gene: MiniMommy_21 Start: 17764, Stop: 18489, Start Num: 15

Candidate Starts for MiniMommy_21:

(Start: 15 @17764 has 88 MA's), (23, 17821), (25, 17839), (28, 17884), (30, 17908), (38, 17953), (52, 18097), (58, 18139), (62, 18205), (80, 18322), (87, 18379),

Gene: Misaeng_25 Start: 20124, Stop: 20981, Start Num: 15

Candidate Starts for Misaeng_25:

(Start: 15 @20124 has 88 MA's), (24, 20190), (34, 20286), (38, 20316), (40, 20331), (52, 20460), (53, 20463), (54, 20472), (58, 20502), (65, 20610), (67, 20616), (74, 20646), (75, 20655), (81, 20706), (82, 20712), (85, 20733), (88, 20757), (93, 20826), (99, 20868), (104, 20916), (106, 20919), (108, 20946), (109, 20958),

Gene: Moki_21 Start: 18441, Stop: 19298, Start Num: 15

Candidate Starts for Moki_21:

(5, 18192), (Start: 15 @18441 has 88 MA's), (38, 18633), (41, 18651), (53, 18780), (58, 18819), (65, 18927), (67, 18933), (81, 19023), (82, 19029), (88, 19074), (99, 19185), (106, 19236), (108, 19263),

Gene: MrGloopy_25 Start: 19974, Stop: 20831, Start Num: 15

Candidate Starts for MrGloopy_25:

(Start: 15 @19974 has 88 MA's), (38, 20166), (39, 20169), (40, 20181), (58, 20352), (63, 20430), (65, 20460), (67, 20466), (81, 20556), (82, 20562), (91, 20661), (99, 20718), (106, 20769), (107, 20775), (108, 20796),

Gene: Nancia_21 Start: 18443, Stop: 19306, Start Num: 15

Candidate Starts for Nancia_21:

(Start: 15 @18443 has 88 MA's), (38, 18638), (41, 18656), (53, 18785), (58, 18824), (65, 18932), (67, 18938), (74, 18968), (81, 19028), (82, 19034), (88, 19079), (92, 19139), (99, 19190), (106, 19244), (108, 19271),

Gene: Nubia_25 Start: 19994, Stop: 20830, Start Num: 15

Candidate Starts for Nubia_25:

(Start: 15 @19994 has 88 MA's), (24, 20060), (34, 20156), (38, 20186), (39, 20189), (41, 20204), (52, 20330), (53, 20333), (54, 20342), (58, 20372), (67, 20486), (71, 20495), (75, 20525), (77, 20543), (81, 20576), (82, 20582), (93, 20696), (106, 20768), (108, 20795), (109, 20807),

Gene: OMalley_21 Start: 18421, Stop: 19260, Start Num: 15

Candidate Starts for OMalley_21:

(Start: 15 @18421 has 88 MA's), (26, 18517), (41, 18637), (52, 18763), (54, 18775), (67, 18916), (81, 19006), (91, 19111), (106, 19198), (108, 19225),

Gene: OurGirlNessie_21 Start: 18423, Stop: 19286, Start Num: 15

Candidate Starts for OurGirlNessie_21:

(Start: 15 @18423 has 88 MA's), (38, 18618), (41, 18636), (52, 18762), (53, 18765), (54, 18774), (58, 18804), (65, 18912), (67, 18918), (74, 18948), (81, 19008), (82, 19014), (88, 19059), (92, 19119), (99, 19170), (106, 19224), (108, 19251),

Gene: Oxynfrius_25 Start: 20007, Stop: 20843, Start Num: 15

Candidate Starts for Oxynfrius_25:

(Start: 15 @20007 has 88 MA's), (24, 20073), (34, 20169), (38, 20199), (39, 20202), (41, 20217), (52, 20343), (53, 20346), (54, 20355), (58, 20385), (67, 20499), (71, 20508), (75, 20538), (77, 20556), (81, 20589), (82, 20595), (93, 20709), (106, 20781), (108, 20808), (109, 20820),

Gene: PartyCup_25 Start: 20078, Stop: 20914, Start Num: 15

Candidate Starts for PartyCup_25:

(5, 19829), (Start: 15 @20078 has 88 MA's), (38, 20270), (41, 20288), (52, 20414), (53, 20417), (54, 20426), (56, 20447), (58, 20456), (65, 20564), (67, 20570), (81, 20660), (82, 20666), (91, 20765), (103, 20837), (108, 20879),

Gene: Pigu_22 Start: 17033, Stop: 17926, Start Num: 15

Candidate Starts for Pigu_22:

(8, 16931), (Start: 15 @17033 has 88 MA's), (23, 17087), (24, 17096), (27, 17129), (29, 17171), (30, 17174), (43, 17249), (61, 17444), (62, 17471), (73, 17537), (106, 17822), (112, 17894),

Gene: PinkFriday_21 Start: 18457, Stop: 19320, Start Num: 15

Candidate Starts for PinkFriday_21:

(Start: 15 @18457 has 88 MA's), (41, 18673), (67, 18952), (74, 18982), (77, 19009), (81, 19042), (82, 19048), (88, 19093), (91, 19147), (99, 19204), (106, 19258), (108, 19285),

Gene: PitaDog_21 Start: 18434, Stop: 19297, Start Num: 15

Candidate Starts for PitaDog_21:

(Start: 15 @18434 has 88 MA's), (38, 18629), (41, 18647), (52, 18773), (53, 18776), (54, 18785), (58, 18815), (65, 18923), (67, 18929), (74, 18959), (81, 19019), (82, 19025), (88, 19070), (92, 19130), (99, 19181), (106, 19235), (108, 19262),

Gene: Potatoes_25 Start: 20035, Stop: 20892, Start Num: 15

Candidate Starts for Potatoes_25:

(Start: 15 @20035 has 88 MA's), (38, 20227), (39, 20230), (40, 20242), (58, 20413), (63, 20491), (65, 20521), (67, 20527), (81, 20617), (82, 20623), (91, 20722), (99, 20779), (105, 20827), (106, 20830), (107, 20836), (108, 20857),

Gene: Preamble_21 Start: 18442, Stop: 19299, Start Num: 15

Candidate Starts for Preamble_21:

(Start: 15 @18442 has 88 MA's), (38, 18634), (41, 18652), (52, 18778), (53, 18781), (58, 18820), (65, 18928), (67, 18934), (74, 18964), (81, 19024), (82, 19030), (88, 19075), (91, 19129), (99, 19186), (106, 19237), (108, 19264),

Gene: Pterodactyl_21 Start: 18424, Stop: 19287, Start Num: 15

Candidate Starts for Pterodactyl_21:

(Start: 15 @18424 has 88 MA's), (38, 18619), (41, 18637), (52, 18763), (53, 18766), (58, 18805), (65, 18913), (67, 18919), (74, 18949), (81, 19009), (82, 19015), (88, 19060), (92, 19120), (99, 19171), (106, 19225), (108, 19252),

Gene: Pumancara_21 Start: 18439, Stop: 19302, Start Num: 15

Candidate Starts for Pumancara_21:

(Start: 15 @18439 has 88 MA's), (41, 18655), (67, 18934), (74, 18964), (77, 18991), (81, 19024), (82, 19030), (88, 19075), (91, 19129), (99, 19186), (106, 19240), (108, 19267),

Gene: RAP15_25 Start: 20040, Stop: 20897, Start Num: 15

Candidate Starts for RAP15_25:

(Start: 15 @20040 has 88 MA's), (38, 20232), (39, 20235), (40, 20247), (58, 20418), (63, 20496), (65, 20526), (67, 20532), (81, 20622), (82, 20628), (91, 20727), (99, 20784), (106, 20835), (107, 20841),

(108, 20862),

Gene: RadFad_27 Start: 19466, Stop: 20428, Start Num: 13

Candidate Starts for RadFad_27:

(9, 19400), (Start: 13 @19466 has 5 MA's), (14, 19487), (31, 19652), (35, 19670), (36, 19676), (42, 19724), (47, 19793), (48, 19802), (50, 19823), (57, 19889), (64, 19994), (66, 20015), (78, 20075), (86, 20150), (96, 20246), (98, 20267),

Gene: RcigaStruga_25 Start: 20042, Stop: 20878, Start Num: 15

Candidate Starts for RcigaStruga_25:

(Start: 15 @20042 has 88 MA's), (38, 20234), (40, 20249), (52, 20378), (53, 20381), (54, 20390), (56, 20411), (58, 20420), (63, 20498), (65, 20528), (67, 20534), (71, 20543), (75, 20573), (81, 20624), (82, 20630), (92, 20735), (95, 20753), (100, 20786), (106, 20816), (108, 20843), (109, 20855),

Gene: Richie_27 Start: 19481, Stop: 20443, Start Num: 13

Candidate Starts for Richie_27:

(9, 19415), (Start: 13 @19481 has 5 MA's), (14, 19502), (31, 19667), (35, 19685), (36, 19691), (42, 19739), (47, 19808), (48, 19817), (50, 19838), (57, 19904), (64, 20009), (66, 20030), (78, 20090), (86, 20165), (96, 20261), (98, 20282),

Gene: Riovina_21 Start: 18421, Stop: 19260, Start Num: 15

Candidate Starts for Riovina_21:

(Start: 15 @18421 has 88 MA's), (26, 18517), (41, 18637), (52, 18763), (54, 18775), (67, 18916), (81, 19006), (91, 19111), (106, 19198), (108, 19225),

Gene: Riverdale_25 Start: 19970, Stop: 20827, Start Num: 15

Candidate Starts for Riverdale_25:

(Start: 15 @19970 has 88 MA's), (38, 20162), (39, 20165), (40, 20177), (63, 20426), (65, 20456), (67, 20462), (81, 20552), (82, 20558), (91, 20657), (99, 20714), (102, 20747), (106, 20765), (107, 20771), (108, 20792),

Gene: Rozby_25 Start: 19971, Stop: 20828, Start Num: 15

Candidate Starts for Rozby_25:

(Start: 15 @19971 has 88 MA's), (38, 20163), (39, 20166), (40, 20178), (63, 20427), (65, 20457), (67, 20463), (81, 20553), (82, 20559), (91, 20658), (99, 20715), (102, 20748), (106, 20766), (107, 20772), (108, 20793),

Gene: Sarge_22 Start: 17291, Stop: 18013, Start Num: 15

Candidate Starts for Sarge_22:

(Start: 15 @17291 has 88 MA's), (23, 17345), (29, 17429), (33, 17444), (43, 17507), (61, 17702), (72, 17789), (84, 17864), (89, 17903), (90, 17915),

Gene: Savage2526_25 Start: 20034, Stop: 20891, Start Num: 15

Candidate Starts for Savage2526_25:

(Start: 15 @20034 has 88 MA's), (38, 20226), (39, 20229), (40, 20241), (58, 20412), (63, 20490), (65, 20520), (67, 20526), (81, 20616), (82, 20622), (91, 20721), (99, 20778), (106, 20829), (107, 20835), (108, 20856),

Gene: Scuttle_25 Start: 20039, Stop: 20896, Start Num: 15

Candidate Starts for Scuttle_25:

(Start: 15 @20039 has 88 MA's), (38, 20231), (39, 20234), (40, 20246), (58, 20417), (63, 20495), (65, 20525), (67, 20531), (81, 20621), (82, 20627), (91, 20726), (99, 20783), (106, 20834), (107, 20840), (108, 20861),

Gene: Seldom_20 Start: 16263, Stop: 16907, Start Num: 17

Candidate Starts for Seldom_20:

(11, 16215), (Start: 17 @16263 has 4 MA's), (23, 16314), (29, 16398), (30, 16401), (41, 16464), (51, 16581), (53, 16593), (70, 16752),

Gene: Sergei_21 Start: 18436, Stop: 19278, Start Num: 15

Candidate Starts for Sergei_21:

(2, 18094), (5, 18187), (Start: 15 @18436 has 88 MA's), (41, 18652), (67, 18931), (77, 18988), (81, 19021), (82, 19027), (91, 19126), (95, 19150), (101, 19183), (106, 19216), (108, 19243),

Gene: ShakeltOph_22 Start: 17763, Stop: 18488, Start Num: 15

Candidate Starts for ShakeltOph_22:

(Start: 15 @17763 has 88 MA's), (23, 17820), (25, 17838), (30, 17907), (38, 17952), (62, 18204), (80, 18321), (87, 18378),

Gene: SpicyFrank_27 Start: 19701, Stop: 20663, Start Num: 13

Candidate Starts for SpicyFrank_27:

(Start: 13 @19701 has 5 MA's), (14, 19722), (21, 19776), (31, 19887), (35, 19905), (36, 19911), (42, 19959), (48, 20037), (50, 20058), (57, 20124), (64, 20229), (66, 20250), (78, 20310), (86, 20385), (96, 20481), (97, 20484), (98, 20502), (111, 20619),

Gene: Supakev_21 Start: 18423, Stop: 19262, Start Num: 15

Candidate Starts for Supakev_21:

(Start: 15 @18423 has 88 MA's), (26, 18519), (41, 18639), (52, 18765), (54, 18777), (67, 18918), (81, 19008), (91, 19113), (106, 19200), (108, 19227),

Gene: Suppi_25 Start: 20081, Stop: 20917, Start Num: 15

Candidate Starts for Suppi_25:

(5, 19832), (Start: 15 @20081 has 88 MA's), (38, 20273), (41, 20291), (53, 20420), (54, 20429), (56, 20450), (58, 20459), (65, 20567), (67, 20573), (81, 20663), (82, 20669), (91, 20768), (103, 20840), (108, 20882),

Gene: Swim_25 Start: 16136, Stop: 16780, Start Num: 17

Candidate Starts for Swim_25:

(11, 16088), (Start: 17 @16136 has 4 MA's), (23, 16187), (29, 16271), (30, 16274), (41, 16337), (51, 16454), (53, 16466), (70, 16625),

Gene: TMaxx_21 Start: 14021, Stop: 14869, Start Num: 17

Candidate Starts for TMaxx_21:

(Start: 17 @14021 has 4 MA's), (20, 14042), (38, 14210), (44, 14246), (46, 14291), (51, 14339), (59, 14396), (62, 14459), (76, 14525), (110, 14813), (112, 14834),

Gene: TattModd_25 Start: 20033, Stop: 20890, Start Num: 15

Candidate Starts for TattModd_25:

(Start: 15 @20033 has 88 MA's), (38, 20225), (39, 20228), (40, 20240), (58, 20411), (63, 20489), (65, 20519), (67, 20525), (81, 20615), (82, 20621), (91, 20720), (99, 20777), (102, 20810), (106, 20828), (107, 20834), (108, 20855),

Gene: Temper16_21 Start: 18436, Stop: 19278, Start Num: 15

Candidate Starts for Temper16_21:

(2, 18094), (5, 18187), (Start: 15 @18436 has 88 MA's), (41, 18652), (67, 18931), (77, 18988), (81, 19021), (82, 19027), (91, 19126), (95, 19150), (101, 19183), (106, 19216), (108, 19243),

Gene: Tillums_26 Start: 16278, Stop: 16925, Start Num: 17

Candidate Starts for Tillums_26:

(1, 15915), (3, 15957), (4, 15966), (6, 16056), (10, 16221), (Start: 17 @16278 has 4 MA's), (23, 16329), (29, 16413), (30, 16416), (51, 16596), (53, 16608), (70, 16770),

Gene: Urla_21 Start: 18448, Stop: 19308, Start Num: 15

Candidate Starts for Urla_21:

(5, 18199), (Start: 15 @18448 has 88 MA's), (22, 18502), (34, 18610), (38, 18640), (39, 18643), (40, 18655), (41, 18658), (53, 18787), (58, 18826), (65, 18934), (67, 18940), (74, 18970), (81, 19030), (82, 19036), (88, 19081), (99, 19192), (106, 19246), (108, 19273),

Gene: Vallejo_25 Start: 19972, Stop: 20829, Start Num: 15

Candidate Starts for Vallejo_25:

(Start: 15 @19972 has 88 MA's), (38, 20164), (39, 20167), (40, 20179), (58, 20350), (63, 20428), (65, 20458), (67, 20464), (81, 20554), (82, 20560), (91, 20659), (99, 20716), (102, 20749), (106, 20767), (107, 20773), (108, 20794),

Gene: VroomVroom_21 Start: 17771, Stop: 18499, Start Num: 15

Candidate Starts for VroomVroom_21:

(7, 17621), (Start: 15 @17771 has 88 MA's), (25, 17846), (38, 17960), (58, 18146), (62, 18212), (80, 18332), (87, 18389),

Gene: Vulture_21 Start: 18421, Stop: 19260, Start Num: 15

Candidate Starts for Vulture_21:

(Start: 15 @18421 has 88 MA's), (26, 18517), (32, 18583), (41, 18637), (52, 18763), (54, 18775), (67, 18916), (81, 19006), (90, 19090), (91, 19111), (106, 19198), (108, 19225),

Gene: Wawa_25 Start: 20009, Stop: 20866, Start Num: 15

Candidate Starts for Wawa_25:

(Start: 15 @20009 has 88 MA's), (19, 20021), (38, 20201), (39, 20204), (40, 20216), (63, 20465), (65, 20495), (67, 20501), (81, 20591), (82, 20597), (91, 20696), (99, 20753), (102, 20786), (106, 20804), (107, 20810), (108, 20831),

Gene: Wayne_25 Start: 20127, Stop: 20963, Start Num: 15

Candidate Starts for Wayne_25:

(5, 19878), (Start: 15 @20127 has 88 MA's), (38, 20319), (41, 20337), (52, 20463), (53, 20466), (54, 20475), (56, 20496), (58, 20505), (65, 20613), (67, 20619), (81, 20709), (82, 20715), (91, 20814), (103, 20886), (108, 20928),

Gene: Windest_28 Start: 19531, Stop: 20493, Start Num: 13

Candidate Starts for Windest_28:

(9, 19465), (Start: 13 @19531 has 5 MA's), (14, 19552), (31, 19717), (35, 19735), (36, 19741), (42, 19789), (47, 19858), (48, 19867), (50, 19888), (57, 19954), (64, 20059), (66, 20080), (78, 20140), (86, 20215), (96, 20311), (98, 20332),

Gene: WonderBoy_21 Start: 18424, Stop: 19287, Start Num: 15

Candidate Starts for WonderBoy_21:

(Start: 15 @18424 has 88 MA's), (38, 18619), (41, 18637), (52, 18763), (53, 18766), (58, 18805), (65, 18913), (67, 18919), (74, 18949), (81, 19009), (82, 19015), (88, 19060), (99, 19171), (106, 19225), (108, 19252),

Gene: YoungHarleezy_27 Start: 19479, Stop: 20441, Start Num: 13

Candidate Starts for YoungHarleezy_27:

(9, 19413), (Start: 13 @19479 has 5 MA's), (14, 19500), (31, 19665), (35, 19683), (36, 19689), (42, 19737), (47, 19806), (48, 19815), (50, 19836), (57, 19902), (64, 20007), (66, 20028), (78, 20088), (86, 20163), (96, 20259), (98, 20280),

Gene: Zorro_25 Start: 19988, Stop: 20845, Start Num: 15

Candidate Starts for Zorro_25:

(Start: 15 @19988 has 88 MA's), (38, 20180), (39, 20183), (40, 20195), (41, 20198), (58, 20366), (63, 20444), (65, 20474), (67, 20480), (81, 20570), (82, 20576), (91, 20675), (99, 20732), (106, 20783), (107, 20789), (108, 20810),