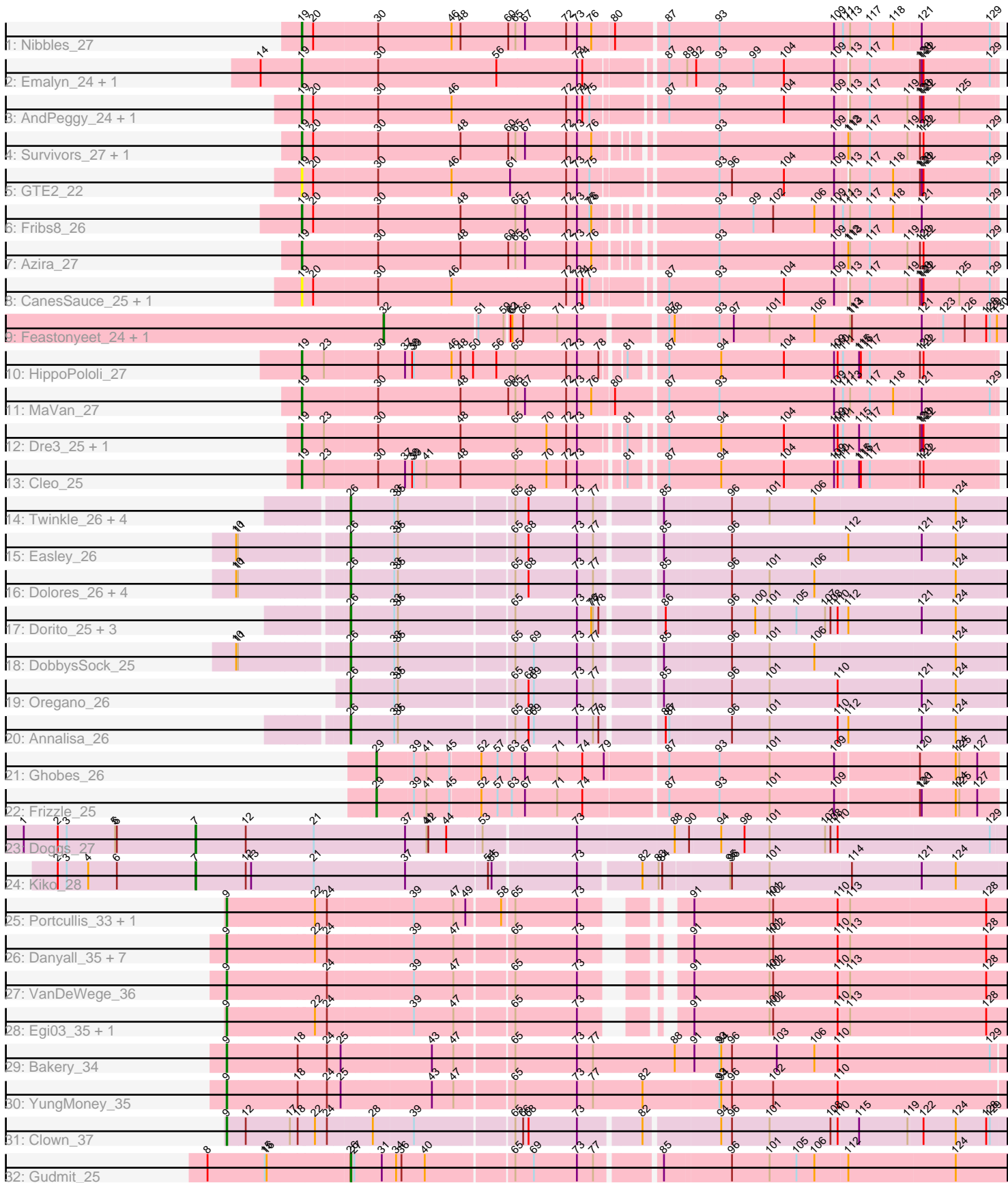


Pham 224612



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 224612 Report

This analysis was run 03/28/25 on database version 593.

Pham number 224612 has 58 members, 8 are drafts.

Phages represented in each track:

- Track 1 : Nibbles_27
- Track 2 : Emalyn_24, AikoCarson_24
- Track 3 : AndPeggy_24, Yarn_24
- Track 4 : Survivors_27, Zareef_29
- Track 5 : GTE2_22
- Track 6 : Fribs8_26
- Track 7 : Azira_27
- Track 8 : CanesSauce_25, ChocoMunchkin_25
- Track 9 : Feastonyeet_24, BigChungus_24
- Track 10 : HippoPololi_27
- Track 11 : MaVan_27
- Track 12 : Dre3_25, Gibbous_25
- Track 13 : Cleo_25
- Track 14 : Twinkle_26, Shlim410_26, Howe_26, Hortense_26, Adora_26
- Track 15 : Easley_26
- Track 16 : Dolores_26, MichaelScott_26, Mcklovin_26, WinkNick_26, Clark_26
- Track 17 : Dorito_25, Sekhmet_26, Samman98_26, PhriskyACE_25
- Track 18 : DobbysSock_25
- Track 19 : Oregano_26
- Track 20 : Annalisa_26
- Track 21 : Ghobes_26
- Track 22 : Frizzle_25
- Track 23 : Doggs_27
- Track 24 : Kiko_28
- Track 25 : Portcullis_33, Shinji_33
- Track 26 : Danyall_35, CoveyB_36, PinkCoffee_35, Barb_35, ClamChowder_35, Twister6_35, Arri_36, Fugax_35
- Track 27 : VanDeWege_36
- Track 28 : Egi03_35, RogerDodger_36
- Track 29 : Bakery_34
- Track 30 : YungMoney_35
- Track 31 : Clown_37
- Track 32 : Gudmit_25

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

The start number called the most often in the published annotations is 26, it was called in 18 of the 50 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Adora_26, Annalisa_26, Clark_26, DobbysSock_25, Dolores_26, Dorito_25, Easley_26, Gudmit_25, Hortense_26, Howe_26, Mcklovin_26, MichaelScott_26, Oregano_26, PhriskyACE_25, Samman98_26, Sekhmet_26, Shlim410_26, Twinkle_26, WinkNick_26,

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

-

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

- AikoCarson_24, AndPeggy_24, Arri_36, Azira_27, Bakery_34, Barb_35, BigChungus_24, CanesSauce_25, ChocoMunchkin_25, ClamChowder_35, Cleo_25, Clown_37, CoveyB_36, Danyall_35, Doggs_27, Dre3_25, Egi03_35, Emalyn_24, Feastonyeet_24, Fribs8_26, Frizzle_25, Fugax_35, GTE2_22, Ghobes_26, Gibbous_25, HippoPololi_27, Kiko_28, MaVan_27, Nibbles_27, PinkCoffee_35, Portcullis_33, RogerDodger_36, Shinji_33, Survivors_27, Twister6_35, VanDeWege_36, Yarn_24, YungMoney_35, Zareef_29,

Summary by start number:

Start 7:

- Found in 2 of 58 (3.4%) of genes in pham
- Manual Annotations of this start: 2 of 50
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Doggs_27 (DB), Kiko_28 (DB),

Start 9:

- Found in 16 of 58 (27.6%) of genes in pham
- Manual Annotations of this start: 13 of 50
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arri_36 (DC1), Bakery_34 (DC1), Barb_35 (DC1), ClamChowder_35 (DC1), Clown_37 (DC2), CoveyB_36 (DC1), Danyall_35 (DC1), Egi03_35 (DC1), Fugax_35 (DC1), PinkCoffee_35 (DC1), Portcullis_33 (DC1), RogerDodger_36 (DC1), Shinji_33 (DC1), Twister6_35 (DC1), VanDeWege_36 (DC1), YungMoney_35 (DC1),

Start 19:

- Found in 17 of 58 (29.3%) of genes in pham
- Manual Annotations of this start: 13 of 50
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AikoCarson_24 (CT), AndPeggy_24 (CT), Azira_27 (CT), CanesSauce_25 (CT), ChocoMunchkin_25 (CT), Cleo_25 (CT), Dre3_25 (CT), Emalyn_24 (CT), Fribs8_26 (CT), GTE2_22 (CT), Gibbous_25 (CT), HippoPololi_27 (CT), MaVan_27 (CT), Nibbles_27 (CT), Survivors_27 (CT), Yarn_24 (CT), Zareef_29 (CT),

Start 26:

- Found in 19 of 58 (32.8%) of genes in pham
- Manual Annotations of this start: 18 of 50

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Adora_26 (CZ4), Annalisa_26 (CZ4), Clark_26 (CZ4), DobbysSock_25 (CZ4), Dolores_26 (CZ4), Dorito_25 (CZ4), Easley_26 (CZ4), Gudmit_25 (singleton), Hortense_26 (CZ4), Howe_26 (CZ4), Mcklovin_26 (CZ4), MichaelScott_26 (CZ4), Oregano_26 (CZ4), PhriskyACE_25 (CZ4), Samman98_26 (CZ4), Sekhmet_26 (CZ4), Shlim410_26 (CZ4), Twinkle_26 (CZ4), WinkNick_26 (CZ4),

Start 29:

- Found in 2 of 58 (3.4%) of genes in pham
- Manual Annotations of this start: 2 of 50
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Frizzle_25 (DA), Ghobes_26 (DA),

Start 32:

- Found in 2 of 58 (3.4%) of genes in pham
- Manual Annotations of this start: 2 of 50
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BigChungus_24 (CT), Feastonyeet_24 (CT),

Summary by clusters:

There are 7 clusters represented in this pham: singleton, DB, CZ4, DA, CT, DC2, DC1,

Info for manual annotations of cluster CT:

- Start number 19 was manually annotated 13 times for cluster CT.
- Start number 32 was manually annotated 2 times for cluster CT.

Info for manual annotations of cluster CZ4:

- Start number 26 was manually annotated 17 times for cluster CZ4.

Info for manual annotations of cluster DA:

- Start number 29 was manually annotated 2 times for cluster DA.

Info for manual annotations of cluster DB:

- Start number 7 was manually annotated 2 times for cluster DB.

Info for manual annotations of cluster DC1:

- Start number 9 was manually annotated 12 times for cluster DC1.

Info for manual annotations of cluster DC2:

- Start number 9 was manually annotated 1 time for cluster DC2.

Gene Information:

Gene: Adora_26 Start: 22572, Stop: 23609, Start Num: 26

Candidate Starts for Adora_26:

(Start: 26 @22572 has 18 MA's), (33, 22641), (35, 22647), (65, 22827), (68, 22848), (73, 22929), (77, 22956), (85, 23049), (96, 23157), (101, 23220), (106, 23295), (124, 23526),

Gene: AikoCarson_24 Start: 19778, Stop: 20890, Start Num: 19

Candidate Starts for AikoCarson_24:

(14, 19709), (Start: 19 @19778 has 13 MA's), (30, 19901), (56, 20099), (73, 20231), (74, 20240), (87, 20357), (89, 20387), (92, 20402), (93, 20441), (99, 20498), (104, 20549), (109, 20633), (113, 20651), (117, 20684), (120, 20765), (121, 20768), (122, 20771), (129, 20879),

Gene: AndPeggy_24 Start: 20180, Stop: 21292, Start Num: 19

Candidate Starts for AndPeggy_24:

(Start: 19 @20180 has 13 MA's), (20, 20198), (30, 20303), (46, 20426), (72, 20615), (73, 20633), (74, 20642), (75, 20654), (87, 20759), (93, 20843), (104, 20951), (109, 21035), (113, 21053), (117, 21086), (119, 21149), (120, 21167), (121, 21170), (122, 21173), (125, 21230),

Gene: Annalisa_26 Start: 22034, Stop: 23074, Start Num: 26

Candidate Starts for Annalisa_26:

(Start: 26 @22034 has 18 MA's), (33, 22103), (35, 22109), (65, 22289), (68, 22310), (69, 22319), (73, 22391), (77, 22418), (78, 22427), (86, 22514), (87, 22520), (96, 22619), (101, 22682), (110, 22796), (112, 22811), (121, 22934), (124, 22991),

Gene: Arri_36 Start: 28916, Stop: 30088, Start Num: 9

Candidate Starts for Arri_36:

(Start: 9 @28916 has 13 MA's), (22, 29057), (24, 29075), (39, 29210), (47, 29276), (65, 29363), (73, 29465), (91, 29570), (101, 29696), (102, 29702), (110, 29810), (113, 29828), (128, 30053),

Gene: Azira_27 Start: 21488, Stop: 22588, Start Num: 19

Candidate Starts for Azira_27:

(Start: 19 @21488 has 13 MA's), (30, 21611), (48, 21749), (60, 21827), (65, 21839), (67, 21854), (72, 21923), (73, 21941), (76, 21965), (93, 22133), (109, 22325), (112, 22346), (113, 22349), (117, 22382), (119, 22445), (120, 22463), (122, 22469), (129, 22577),

Gene: Bakery_34 Start: 28127, Stop: 29377, Start Num: 9

Candidate Starts for Bakery_34:

(Start: 9 @28127 has 13 MA's), (18, 28241), (24, 28286), (25, 28307), (43, 28451), (47, 28487), (65, 28574), (73, 28676), (77, 28703), (88, 28838), (91, 28865), (93, 28907), (94, 28910), (96, 28928), (103, 29003), (106, 29066), (110, 29105), (129, 29354),

Gene: Barb_35 Start: 28934, Stop: 30106, Start Num: 9

Candidate Starts for Barb_35:

(Start: 9 @28934 has 13 MA's), (22, 29075), (24, 29093), (39, 29228), (47, 29294), (65, 29381), (73, 29483), (91, 29588), (101, 29714), (102, 29720), (110, 29828), (113, 29846), (128, 30071),

Gene: BigChungus_24 Start: 20320, Stop: 21312, Start Num: 32

Candidate Starts for BigChungus_24:

(Start: 32 @20320 has 2 MA's), (51, 20467), (59, 20509), (62, 20515), (64, 20518), (66, 20536), (71, 20593), (73, 20626), (87, 20755), (88, 20764), (93, 20833), (97, 20857), (101, 20917), (106, 20992), (113, 21052), (114, 21055), (121, 21172), (123, 21205), (126, 21241), (128, 21277), (129, 21283), (130, 21295),

Gene: CanesSauce_25 Start: 20181, Stop: 21293, Start Num: 19

Candidate Starts for CanesSauce_25:

(Start: 19 @20181 has 13 MA's), (20, 20199), (30, 20304), (46, 20427), (72, 20616), (73, 20634), (74, 20643), (75, 20655), (87, 20760), (93, 20844), (104, 20952), (109, 21036), (113, 21054), (117, 21087), (119, 21150), (120, 21168), (121, 21171), (122, 21174), (125, 21231), (129, 21282),

Gene: ChocoMunchkin_25 Start: 20181, Stop: 21293, Start Num: 19

Candidate Starts for ChocoMunchkin_25:

(Start: 19 @20181 has 13 MA's), (20, 20199), (30, 20304), (46, 20427), (72, 20616), (73, 20634), (74, 20643), (75, 20655), (87, 20760), (93, 20844), (104, 20952), (109, 21036), (113, 21054), (117, 21087), (119, 21150), (120, 21168), (121, 21171), (122, 21174), (125, 21231), (129, 21282),

Gene: ClamChowder_35 Start: 28934, Stop: 30106, Start Num: 9

Candidate Starts for ClamChowder_35:

(Start: 9 @28934 has 13 MA's), (22, 29075), (24, 29093), (39, 29228), (47, 29294), (65, 29381), (73, 29483), (91, 29588), (101, 29714), (102, 29720), (110, 29828), (113, 29846), (128, 30071),

Gene: Clark_26 Start: 22034, Stop: 23071, Start Num: 26

Candidate Starts for Clark_26:

(10, 21863), (11, 21866), (Start: 26 @22034 has 18 MA's), (33, 22103), (35, 22109), (65, 22289), (68, 22310), (73, 22391), (77, 22418), (85, 22511), (96, 22619), (101, 22682), (106, 22757), (124, 22988),

Gene: Cleo_25 Start: 20832, Stop: 21935, Start Num: 19

Candidate Starts for Cleo_25:

(Start: 19 @20832 has 13 MA's), (23, 20868), (30, 20955), (37, 21000), (38, 21012), (39, 21015), (41, 21036), (48, 21093), (65, 21183), (70, 21234), (72, 21267), (73, 21285), (81, 21348), (87, 21396), (94, 21483), (104, 21588), (109, 21672), (110, 21678), (111, 21684), (115, 21711), (116, 21714), (117, 21729), (120, 21810), (122, 21816),

Gene: Clown_37 Start: 30957, Stop: 32189, Start Num: 9

Candidate Starts for Clown_37:

(Start: 9 @30957 has 13 MA's), (12, 30987), (17, 31059), (18, 31071), (22, 31098), (24, 31116), (28, 31185), (39, 31251), (65, 31404), (66, 31416), (68, 31425), (73, 31506), (82, 31602), (94, 31719), (96, 31737), (101, 31800), (108, 31902), (110, 31914), (115, 31947), (119, 32028), (122, 32052), (124, 32106), (128, 32157), (129, 32163),

Gene: CoveyB_36 Start: 28734, Stop: 29906, Start Num: 9

Candidate Starts for CoveyB_36:

(Start: 9 @28734 has 13 MA's), (22, 28875), (24, 28893), (39, 29028), (47, 29094), (65, 29181), (73, 29283), (91, 29388), (101, 29514), (102, 29520), (110, 29628), (113, 29646), (128, 29871),

Gene: Danyall_35 Start: 28734, Stop: 29906, Start Num: 9

Candidate Starts for Danyall_35:

(Start: 9 @28734 has 13 MA's), (22, 28875), (24, 28893), (39, 29028), (47, 29094), (65, 29181), (73, 29283), (91, 29388), (101, 29514), (102, 29520), (110, 29628), (113, 29646), (128, 29871),

Gene: DobbysSock_25 Start: 21508, Stop: 22545, Start Num: 26

Candidate Starts for DobbysSock_25:

(10, 21337), (11, 21340), (Start: 26 @21508 has 18 MA's), (33, 21577), (35, 21583), (65, 21763), (69, 21793), (73, 21865), (77, 21892), (85, 21985), (96, 22093), (101, 22156), (106, 22231), (124, 22462),

Gene: Doggs_27 Start: 22931, Stop: 24244, Start Num: 7

Candidate Starts for Doggs_27:

(1, 22643), (2, 22700), (3, 22715), (5, 22796), (6, 22799), (Start: 7 @22931 has 2 MA's), (12, 23015), (21, 23129), (37, 23282), (41, 23318), (42, 23321), (44, 23351), (53, 23405), (73, 23549), (88, 23705), (90, 23729), (94, 23777), (98, 23816), (101, 23858), (107, 23951), (108, 23960), (110, 23972), (129, 24221),

Gene: Dolores_26 Start: 22010, Stop: 23047, Start Num: 26

Candidate Starts for Dolores_26:

(10, 21839), (11, 21842), (Start: 26 @22010 has 18 MA's), (33, 22079), (35, 22085), (65, 22265), (68, 22286), (73, 22367), (77, 22394), (85, 22487), (96, 22595), (101, 22658), (106, 22733), (124, 22964),

Gene: Dorito_25 Start: 21473, Stop: 22513, Start Num: 26

Candidate Starts for Dorito_25:

(Start: 26 @21473 has 18 MA's), (33, 21542), (35, 21548), (65, 21728), (73, 21830), (76, 21854), (77, 21857), (78, 21866), (86, 21953), (96, 22058), (100, 22097), (101, 22121), (105, 22166), (107, 22214), (108, 22223), (110, 22235), (112, 22250), (121, 22373), (124, 22430),

Gene: Dre3_25 Start: 20758, Stop: 21861, Start Num: 19

Candidate Starts for Dre3_25:

(Start: 19 @20758 has 13 MA's), (23, 20794), (30, 20881), (48, 21019), (65, 21109), (70, 21160), (72, 21193), (73, 21211), (81, 21274), (87, 21322), (94, 21409), (104, 21514), (109, 21598), (110, 21604), (111, 21610), (115, 21637), (117, 21655), (120, 21736), (121, 21739), (122, 21742),

Gene: Easley_26 Start: 22020, Stop: 23057, Start Num: 26

Candidate Starts for Easley_26:

(10, 21849), (11, 21852), (Start: 26 @22020 has 18 MA's), (33, 22089), (35, 22095), (65, 22275), (68, 22296), (73, 22377), (77, 22404), (85, 22497), (96, 22605), (112, 22797), (121, 22917), (124, 22974),

Gene: Egi03_35 Start: 28412, Stop: 29584, Start Num: 9

Candidate Starts for Egi03_35:

(Start: 9 @28412 has 13 MA's), (22, 28553), (24, 28571), (39, 28706), (47, 28772), (65, 28859), (73, 28961), (91, 29066), (101, 29192), (102, 29198), (110, 29306), (113, 29324), (128, 29549),

Gene: Emalyn_24 Start: 19777, Stop: 20889, Start Num: 19

Candidate Starts for Emalyn_24:

(14, 19708), (Start: 19 @19777 has 13 MA's), (30, 19900), (56, 20098), (73, 20230), (74, 20239), (87, 20356), (89, 20386), (92, 20401), (93, 20440), (99, 20497), (104, 20548), (109, 20632), (113, 20650), (117, 20683), (120, 20764), (121, 20767), (122, 20770), (129, 20878),

Gene: Feastonyeet_24 Start: 20320, Stop: 21312, Start Num: 32

Candidate Starts for Feastonyeet_24:

(Start: 32 @20320 has 2 MA's), (51, 20467), (59, 20509), (62, 20515), (64, 20518), (66, 20536), (71, 20593), (73, 20626), (87, 20755), (88, 20764), (93, 20833), (97, 20857), (101, 20917), (106, 20992), (113, 21052), (114, 21055), (121, 21172), (123, 21205), (126, 21241), (128, 21277), (129, 21283), (130, 21295),

Gene: Fribs8_26 Start: 21343, Stop: 22440, Start Num: 19

Candidate Starts for Fribs8_26:

(Start: 19 @21343 has 13 MA's), (20, 21361), (30, 21466), (48, 21604), (65, 21694), (67, 21709), (72, 21778), (73, 21796), (75, 21817), (76, 21820), (93, 21985), (99, 22042), (102, 22075), (106, 22144), (109, 22177), (111, 22189), (113, 22201), (117, 22234), (118, 22273), (121, 22318), (129, 22429),

Gene: Frizzle_25 Start: 21406, Stop: 22404, Start Num: 29

Candidate Starts for Frizzle_25:

(Start: 29 @21406 has 2 MA's), (39, 21466), (41, 21487), (45, 21523), (52, 21568), (57, 21595), (63, 21619), (67, 21640), (71, 21694), (74, 21736), (87, 21868), (93, 21952), (101, 22036), (109, 22144), (120, 22276), (121, 22279), (124, 22333), (125, 22339), (127, 22369),

Gene: Fugax_35 Start: 28934, Stop: 30106, Start Num: 9

Candidate Starts for Fugax_35:

(Start: 9 @28934 has 13 MA's), (22, 29075), (24, 29093), (39, 29228), (47, 29294), (65, 29381), (73, 29483), (91, 29588), (101, 29714), (102, 29720), (110, 29828), (113, 29846), (128, 30071),

Gene: GTE2_22 Start: 19853, Stop: 20965, Start Num: 19

Candidate Starts for GTE2_22:

(Start: 19 @19853 has 13 MA's), (20, 19871), (30, 19976), (46, 20099), (61, 20195), (72, 20288), (73, 20306), (75, 20327), (93, 20516), (96, 20537), (104, 20624), (109, 20708), (113, 20726), (117, 20759), (118, 20798), (120, 20840), (121, 20843), (122, 20846), (129, 20954),

Gene: Ghobes_26 Start: 21406, Stop: 22404, Start Num: 29

Candidate Starts for Ghobes_26:

(Start: 29 @21406 has 2 MA's), (39, 21466), (41, 21487), (45, 21523), (52, 21568), (57, 21595), (63, 21619), (67, 21640), (71, 21694), (74, 21736), (79, 21772), (87, 21868), (93, 21952), (101, 22036), (109, 22144), (120, 22276), (124, 22333), (125, 22339), (127, 22369),

Gene: Gibbous_25 Start: 20758, Stop: 21861, Start Num: 19

Candidate Starts for Gibbous_25:

(Start: 19 @20758 has 13 MA's), (23, 20794), (30, 20881), (48, 21019), (65, 21109), (70, 21160), (72, 21193), (73, 21211), (81, 21274), (87, 21322), (94, 21409), (104, 21514), (109, 21598), (110, 21604), (111, 21610), (115, 21637), (117, 21655), (120, 21736), (121, 21739), (122, 21742),

Gene: Gudmit_25 Start: 20321, Stop: 21364, Start Num: 26

Candidate Starts for Gudmit_25:

(8, 20090), (15, 20186), (16, 20189), (Start: 26 @20321 has 18 MA's), (27, 20327), (31, 20372), (34, 20396), (36, 20405), (40, 20444), (65, 20579), (69, 20609), (73, 20681), (77, 20708), (85, 20801), (96, 20909), (101, 20972), (105, 21017), (106, 21047), (112, 21101), (124, 21278),

Gene: HippoPololi_27 Start: 21407, Stop: 22510, Start Num: 19

Candidate Starts for HippoPololi_27:

(Start: 19 @21407 has 13 MA's), (23, 21443), (30, 21530), (37, 21575), (38, 21587), (39, 21590), (46, 21653), (48, 21668), (50, 21689), (56, 21728), (65, 21758), (72, 21842), (73, 21860), (78, 21896), (81, 21923), (87, 21971), (94, 22058), (104, 22163), (109, 22247), (110, 22253), (111, 22259), (115, 22286), (116, 22289), (117, 22304), (120, 22385), (122, 22391),

Gene: Hortense_26 Start: 22619, Stop: 23656, Start Num: 26

Candidate Starts for Hortense_26:

(Start: 26 @22619 has 18 MA's), (33, 22688), (35, 22694), (65, 22874), (68, 22895), (73, 22976), (77, 23003), (85, 23096), (96, 23204), (101, 23267), (106, 23342), (124, 23573),

Gene: Howe_26 Start: 22619, Stop: 23656, Start Num: 26

Candidate Starts for Howe_26:

(Start: 26 @22619 has 18 MA's), (33, 22688), (35, 22694), (65, 22874), (68, 22895), (73, 22976), (77, 23003), (85, 23096), (96, 23204), (101, 23267), (106, 23342), (124, 23573),

Gene: Kiko_28 Start: 22114, Stop: 23412, Start Num: 7

Candidate Starts for Kiko_28:

(2, 21883), (3, 21898), (4, 21934), (6, 21982), (Start: 7 @22114 has 2 MA's), (12, 22198), (13, 22207), (21, 22309), (37, 22462), (54, 22594), (55, 22600), (73, 22729), (82, 22825), (83, 22849), (84, 22852), (95, 22957), (96, 22960), (101, 23023), (114, 23158), (121, 23272), (124, 23329),

Gene: MaVan_27 Start: 21488, Stop: 22621, Start Num: 19

Candidate Starts for MaVan_27:

(Start: 19 @21488 has 13 MA's), (30, 21611), (48, 21749), (60, 21827), (65, 21839), (67, 21854), (72, 21923), (73, 21941), (76, 21965), (80, 22001), (87, 22082), (93, 22166), (109, 22358), (111, 22370), (113, 22382), (117, 22415), (118, 22454), (121, 22499), (129, 22610),

Gene: Mcklovin_26 Start: 24788, Stop: 25825, Start Num: 26

Candidate Starts for Mcklovin_26:

(10, 24617), (11, 24620), (Start: 26 @24788 has 18 MA's), (33, 24857), (35, 24863), (65, 25043), (68, 25064), (73, 25145), (77, 25172), (85, 25265), (96, 25373), (101, 25436), (106, 25511), (124, 25742),

Gene: MichaelScott_26 Start: 22391, Stop: 23428, Start Num: 26

Candidate Starts for MichaelScott_26:

(10, 22220), (11, 22223), (Start: 26 @22391 has 18 MA's), (33, 22460), (35, 22466), (65, 22646), (68, 22667), (73, 22748), (77, 22775), (85, 22868), (96, 22976), (101, 23039), (106, 23114), (124, 23345),

Gene: Nibbles_27 Start: 21488, Stop: 22621, Start Num: 19

Candidate Starts for Nibbles_27:

(Start: 19 @21488 has 13 MA's), (20, 21506), (30, 21611), (46, 21734), (48, 21749), (60, 21827), (65, 21839), (67, 21854), (72, 21923), (73, 21941), (76, 21965), (80, 22001), (87, 22082), (93, 22166), (109, 22358), (111, 22370), (113, 22382), (117, 22415), (118, 22454), (121, 22499), (129, 22610),

Gene: Oregano_26 Start: 22056, Stop: 23096, Start Num: 26

Candidate Starts for Oregano_26:

(Start: 26 @22056 has 18 MA's), (33, 22125), (35, 22131), (65, 22311), (68, 22332), (69, 22341), (73, 22413), (77, 22440), (85, 22533), (96, 22641), (101, 22704), (110, 22818), (121, 22956), (124, 23013),

Gene: PhriskyACE_25 Start: 21473, Stop: 22513, Start Num: 26

Candidate Starts for PhriskyACE_25:

(Start: 26 @21473 has 18 MA's), (33, 21542), (35, 21548), (65, 21728), (73, 21830), (76, 21854), (77, 21857), (78, 21866), (86, 21953), (96, 22058), (100, 22097), (101, 22121), (105, 22166), (107, 22214), (108, 22223), (110, 22235), (112, 22250), (121, 22373), (124, 22430),

Gene: PinkCoffee_35 Start: 28943, Stop: 30115, Start Num: 9

Candidate Starts for PinkCoffee_35:

(Start: 9 @28943 has 13 MA's), (22, 29084), (24, 29102), (39, 29237), (47, 29303), (65, 29390), (73, 29492), (91, 29597), (101, 29723), (102, 29729), (110, 29837), (113, 29855), (128, 30080),

Gene: Portcullis_33 Start: 28253, Stop: 29425, Start Num: 9

Candidate Starts for Portcullis_33:

(Start: 9 @28253 has 13 MA's), (22, 28394), (24, 28412), (39, 28547), (47, 28613), (49, 28631), (58, 28682), (65, 28700), (73, 28802), (91, 28907), (101, 29033), (102, 29039), (110, 29147), (113, 29165), (128, 29390),

Gene: RogerDodger_36 Start: 29082, Stop: 30254, Start Num: 9

Candidate Starts for RogerDodger_36:

(Start: 9 @29082 has 13 MA's), (22, 29223), (24, 29241), (39, 29376), (47, 29442), (65, 29529), (73, 29631), (91, 29736), (101, 29862), (102, 29868), (110, 29976), (113, 29994), (128, 30219),

Gene: Samman98_26 Start: 22025, Stop: 23065, Start Num: 26

Candidate Starts for Samman98_26:

(Start: 26 @22025 has 18 MA's), (33, 22094), (35, 22100), (65, 22280), (73, 22382), (76, 22406), (77, 22409), (78, 22418), (86, 22505), (96, 22610), (100, 22649), (101, 22673), (105, 22718), (107, 22766), (108, 22775), (110, 22787), (112, 22802), (121, 22925), (124, 22982),

Gene: Sekhmet_26 Start: 22385, Stop: 23425, Start Num: 26

Candidate Starts for Sekhmet_26:

(Start: 26 @22385 has 18 MA's), (33, 22454), (35, 22460), (65, 22640), (73, 22742), (76, 22766), (77, 22769), (78, 22778), (86, 22865), (96, 22970), (100, 23009), (101, 23033), (105, 23078), (107, 23126), (108, 23135), (110, 23147), (112, 23162), (121, 23285), (124, 23342),

Gene: Shinji_33 Start: 28194, Stop: 29366, Start Num: 9

Candidate Starts for Shinji_33:

(Start: 9 @28194 has 13 MA's), (22, 28335), (24, 28353), (39, 28488), (47, 28554), (49, 28572), (58, 28623), (65, 28641), (73, 28743), (91, 28848), (101, 28974), (102, 28980), (110, 29088), (113, 29106), (128, 29331),

Gene: Shlim410_26 Start: 22619, Stop: 23656, Start Num: 26

Candidate Starts for Shlim410_26:

(Start: 26 @22619 has 18 MA's), (33, 22688), (35, 22694), (65, 22874), (68, 22895), (73, 22976), (77, 23003), (85, 23096), (96, 23204), (101, 23267), (106, 23342), (124, 23573),

Gene: Survivors_27 Start: 21337, Stop: 22437, Start Num: 19

Candidate Starts for Survivors_27:

(Start: 19 @21337 has 13 MA's), (20, 21355), (30, 21460), (48, 21598), (60, 21676), (65, 21688), (67, 21703), (72, 21772), (73, 21790), (76, 21814), (93, 21982), (109, 22174), (112, 22195), (113, 22198), (117, 22231), (119, 22294), (120, 22312), (122, 22318), (129, 22426),

Gene: Twinkle_26 Start: 23678, Stop: 24715, Start Num: 26

Candidate Starts for Twinkle_26:

(Start: 26 @23678 has 18 MA's), (33, 23747), (35, 23753), (65, 23933), (68, 23954), (73, 24035), (77, 24062), (85, 24155), (96, 24263), (101, 24326), (106, 24401), (124, 24632),

Gene: Twister6_35 Start: 28645, Stop: 29817, Start Num: 9

Candidate Starts for Twister6_35:

(Start: 9 @28645 has 13 MA's), (22, 28786), (24, 28804), (39, 28939), (47, 29005), (65, 29092), (73, 29194), (91, 29299), (101, 29425), (102, 29431), (110, 29539), (113, 29557), (128, 29782),

Gene: VanDeWege_36 Start: 28981, Stop: 30153, Start Num: 9

Candidate Starts for VanDeWege_36:

(Start: 9 @28981 has 13 MA's), (24, 29140), (39, 29275), (47, 29341), (65, 29428), (73, 29530), (91, 29635), (101, 29761), (102, 29767), (110, 29875), (113, 29893), (128, 30118),

Gene: WinkNick_26 Start: 22010, Stop: 23047, Start Num: 26

Candidate Starts for WinkNick_26:

(10, 21839), (11, 21842), (Start: 26 @22010 has 18 MA's), (33, 22079), (35, 22085), (65, 22265), (68, 22286), (73, 22367), (77, 22394), (85, 22487), (96, 22595), (101, 22658), (106, 22733), (124, 22964),

Gene: Yarn_24 Start: 20174, Stop: 21286, Start Num: 19

Candidate Starts for Yarn_24:

(Start: 19 @20174 has 13 MA's), (20, 20192), (30, 20297), (46, 20420), (72, 20609), (73, 20627), (74, 20636), (75, 20648), (87, 20753), (93, 20837), (104, 20945), (109, 21029), (113, 21047), (117, 21080), (119, 21143), (120, 21161), (121, 21164), (122, 21167), (125, 21224),

Gene: YungMoney_35 Start: 29700, Stop: 30950, Start Num: 9

Candidate Starts for YungMoney_35:

(Start: 9 @29700 has 13 MA's), (18, 29814), (24, 29859), (25, 29880), (43, 30024), (47, 30060), (65, 30147), (73, 30249), (77, 30276), (82, 30357), (93, 30480), (94, 30483), (96, 30501), (102, 30570),

(110, 30678),

Gene: Zareef_29 Start: 21489, Stop: 22589, Start Num: 19

Candidate Starts for Zareef_29:

(Start: 19 @21489 has 13 MA's), (20, 21507), (30, 21612), (48, 21750), (60, 21828), (65, 21840), (67, 21855), (72, 21924), (73, 21942), (76, 21966), (93, 22134), (109, 22326), (112, 22347), (113, 22350), (117, 22383), (119, 22446), (120, 22464), (122, 22470), (129, 22578),