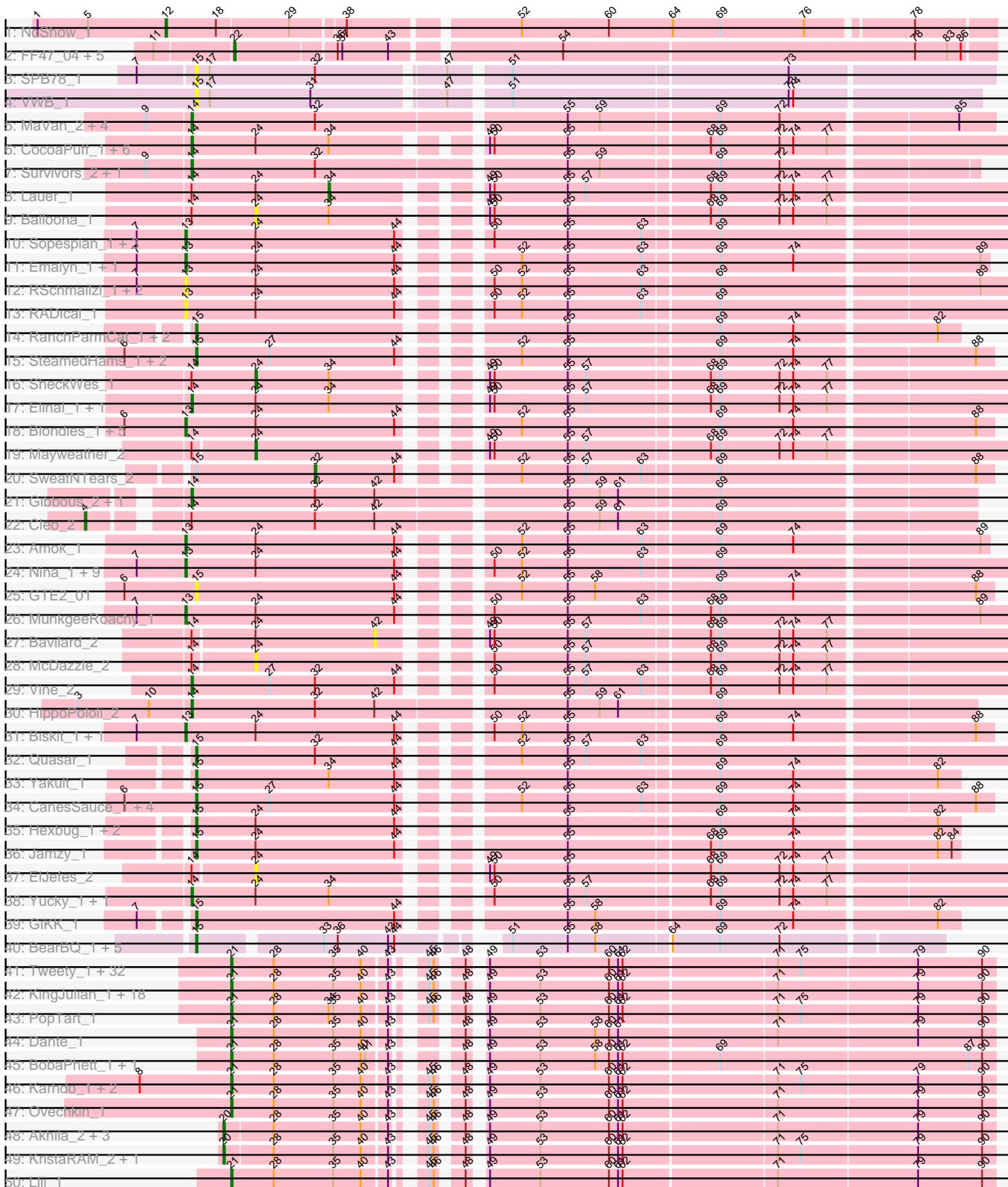


Pham 283506



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 283506 Report

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

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 283506 has 190 members, 34 are drafts.

Phages represented in each track:

- Track 1 : NoShow_1
- Track 2 : FF47_04, Muddy_4, LongHai_5, 8UZL_4, Salvus_5, Maco6_2
- Track 3 : SPB78_1
- Track 4 : VWB_1
- Track 5 : MaVan_2, Zareef_2, Wolfwood_2, Azira_2, Nibbles_2
- Track 6 : CocoaPuff_1, MAnor_1, SummitAcademy_1, Pons_1, Feastonyeet_1, CherryonLim_1, BigChungus_1
- Track 7 : Survivors_2, Fribs8_2
- Track 8 : Lauer_1
- Track 9 : Balloona_1
- Track 10 : Sopespian_1, PsychoKiller_1, Burnsey_1, Elliott_1
- Track 11 : Emalyn_1, AikoCarson_1
- Track 12 : RSchmailzl_1, RedBaron_1, Carsonalex_1
- Track 13 : RADical_1
- Track 14 : RanchParmCat_1, Button_1, Margaret_1
- Track 15 : SteamedHams_1, AndPeggy_1, BillDoor_1
- Track 16 : SheckWes_1
- Track 17 : Elinal_1, KayGee_1
- Track 18 : Blondies_1, Horseradish_1, Troje_1, MScarn_1, Buttrmlkdreams_1, Yummy_1
- Track 19 : Mayweather_2
- Track 20 : SweatNTears_2
- Track 21 : Gibbous_2, Dre3_2
- Track 22 : Cleo_2
- Track 23 : Amok_1
- Track 24 : Nina_1, Cozz_1, ChickenTender_1, Agatha_1, Bubble_1, Typhonmarchy_1, GoldHunter_1, Socotra_1, Starburst_1, Axym_1
- Track 25 : GTE2_01
- Track 26 : MunkgeeRoachy_1
- Track 27 : Bavidard_2
- Track 28 : McDazzle_2
- Track 29 : Vine_2
- Track 30 : HippoPololi_2

- Track 31 : Biskit_1, SketchMex_1
- Track 32 : Quasar_1
- Track 33 : Yakult_1
- Track 34 : CanesSauce_1, Tolls_1, CaramelLatte_1, ChocoMunchkin_1, Yarn_1
- Track 35 : Hexbug_1, Orla_1, Nodigi_1
- Track 36 : Jamzy_1
- Track 37 : ElJefes_2
- Track 38 : Yucky_1, PotPie_1
- Track 39 : GiKK_1
- Track 40 : BearBQ_1, MortyNRick_1, Kuwabara_1, Crater_1, Apricot_1, Birdsong_1
- Track 41 : Tweety_1, DotProduct_1, XFactor_1, Zizzle_1, DeadP_1, Gandalph_1, Hamulus_1, SuperGrey_1, Bipolar_1, SG4_1, Melissauen88_1, Mantra_1, Blexus_1, GigiOuiOui_1, Bubbles123_1, Emma_1, DoRead_1, Fruitloop_1, PhesterPhotato_1, Guppsters_1, Wee_1, SassyB_1, Aubs_1, PhilipPhlop_1, ShroomBoi_1, Mutaforma13_1, Phanphagia_1, Hades_1, Clank_1, Chuckly_1, DLane_1, Royals2015_1, Shauna1_1
- Track 42 : KingJulian_1, Rita_1, Firehouse51_1, Sandalphon_1, QuickMath_1, Phasih_1, Taj_1, Sabbb_1, MadMen_1, Ardmore_1, EleanorGeorge_1, DillTech15_1, Rockne_1, Batiatus_1, Donkeykong_1, Filuzino_1, PMC_1, Whatsapiecost_1, Jant_1
- Track 43 : PopTart_1
- Track 44 : Dante_1
- Track 45 : BobaPhett_1, James_1
- Track 46 : Karhdo_1, Veteran_1, GUmbie_1
- Track 47 : Ovechkin_1
- Track 48 : Akhila_2, MilleniumForce_2, Topiatin_3, MilanaBonita_2
- Track 49 : KristaRAM_2, CaptainTrips_2
- Track 50 : Llij_1
- Track 51 : Florinda_1
- Track 52 : Grimmer_2, Nitzel_2
- Track 53 : Sparkdehlily_1, TDanisky_1, DRBy19_1
- Track 54 : StAnnes_1
- Track 55 : Cornie_1
- Track 56 : Gattaca_32, Corazon_31, Huphlepuuff_35, Tesla_32, Pringar_33, Lilbit_32, RedRaider77_33, VasuNzinga_33, FeliMaine_35, Clarkson_34, LittleLaf_33
- Track 57 : GoongGoong_32, Poise_33
- Track 58 : Raela_33
- Track 59 : JoieB_34, Marvin_31, MosMoris_31, Beelzebub_37
- Track 60 : Caprice_30
- Track 61 : Blackbeetle_33

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

The start number called the most often in the published annotations is 21, it was called in 63 of the 156 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ardmore_1, Aubs_1, Batiatus_1, Bipolar_1, Blexus_1, BobaPhett_1, Bubbles123_1, Chuckly_1, Clank_1, DLane_1, DRBy19_1, Dante_1, DeadP_1, DillTech15_1, DoRead_1, Donkeykong_1, DotProduct_1, EleanorGeorge_1, Emma_1, Filuzino_1, Firehouse51_1, Florinda_1, Fruitloop_1, GUmbie_1, Gandalph_1, GigiOuiOui_1,

Guppsters_1, Hades_1, Hamulus_1, James_1, Jant_1, Karhdo_1, KingJulian_1, Llij_1, MadMen_1, Mantra_1, Melissauren88_1, Mutaforma13_1, Ovechkin_1, PMC_1, Phanphagia_1, Phasih_1, PhesterPhotato_1, PhilipPhlop_1, PopTart_1, QuickMath_1, Rita_1, Rockne_1, Royals2015_1, SG4_1, Sabbb_1, Sandalphon_1, SassyB_1, Shauna1_1, ShroomBoi_1, Sparkdehlily_1, StAnnes_1, SuperGrey_1, TDanisky_1, Taj_1, Tweety_1, Veteran_1, Wee_1, Whatsapiecost_1, XFactor_1, Zizzle_1,

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

-

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

- 8UZL_4, Agatha_1, AikoCarson_1, Akhila_2, Amok_1, AndPeggy_1, Apricot_1, Axym_1, Azira_2, Balloona_1, Bavilard_2, BearBQ_1, Beelzebub_37, BigChungus_1, BillDoor_1, Birdsong_1, Biskit_1, Blackbeetle_33, Blondies_1, Bubble_1, Burnsey_1, Button_1, Buttrmlkdreams_1, CanesSauce_1, Caprice_30, CaptainTrips_2, Caramellatte_1, Carsonalex_1, CherryonLim_1, ChickenTender_1, ChocoMunchkin_1, Clarkson_34, Cleo_2, CocoaPuff_1, Corazon_31, Cornie_1, Cozz_1, Crater_1, Dre3_2, ElJefes_2, Elinal_1, Elliott_1, Emalyn_1, FF47_04, Feastonyeet_1, FeliMaine_35, Fribs8_2, GTE2_01, Gattaca_32, GiKK_1, Gibbous_2, GoldHunter_1, GoongGoong_32, Grimmer_2, Hexbug_1, HippoPololi_2, Horseradish_1, Huphlepuuff_35, Jamzy_1, JoieB_34, KayGee_1, KristaRAM_2, Kuwabara_1, Lauer_1, Lilbit_32, LittleLaf_33, LongHai_5, MAnor_1, MScarn_1, MaVan_2, Maco6_2, Margaret_1, Marvin_31, Mayweather_2, McDazzle_2, MilanaBonita_2, MilleniumForce_2, MortyNRick_1, MosMoris_31, Muddy_4, MunkgeeRoachy_1, Nibbles_2, Nina_1, Nitzel_2, NoShow_1, Nodigi_1, Orla_1, Poise_33, Pons_1, PotPie_1, Pringar_33, PsychoKiller_1, Quasar_1, RADical_1, RSchmailz_1, Raela_33, RanchParmCat_1, RedBaron_1, RedRaider77_33, SPB78_1, Salvus_5, SheckWes_1, SketchMex_1, Socotra_1, Sopespian_1, Starburst_1, SteamedHams_1, SummitAcademy_1, Survivors_2, SweatNTears_2, Tesla_32, Tolls_1, Topiatin_3, Troje_1, Typhonmarchy_1, VWB_1, VasuNzinga_33, Vine_2, Wolfwood_2, Yakult_1, Yarn_1, Yucky_1, Yummy_1, Zareef_2,

Summary by start number:

Start 4:

- Found in 1 of 190 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 156
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cleo_2 (CT),

Start 12:

- Found in 1 of 190 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 156
- Called 100.0% of time when present
- Phage (with cluster) where this start called: NoShow_1 (AB),

Start 13:

- Found in 30 of 190 (15.8%) of genes in pham
- Manual Annotations of this start: 19 of 156
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Agatha_1 (CT), AikoCarson_1 (CT), Amok_1 (CT), Axym_1 (CT), Biskit_1 (CT), Blondies_1 (CT), Bubble_1 (CT),

Burnsey_1 (CT), Buttrmlkdreams_1 (CT), Carsonalex_1 (CT), ChickenTender_1 (CT), Cozz_1 (CT), Elliott_1 (CT), Emalyn_1 (CT), GoldHunter_1 (CT), Horseradish_1 (CT), MScarn_1 (CT), MunkgeeRoachy_1 (CT), Nina_1 (CT), PsychoKiller_1 (CT), RADical_1 (CT), RSchmailzl_1 (CT), RedBaron_1 (CT), SketchMex_1 (CT), Socotra_1 (CT), Sopespian_1 (CT), Starburst_1 (CT), Troje_1 (CT), Typhonmacy_1 (CT), Yummy_1 (CT),

Start 14:

- Found in 30 of 190 (15.8%) of genes in pham
- Manual Annotations of this start: 20 of 156
- Called 73.3% of time when present
- Phage (with cluster) where this start called: Azira_2 (CT), BigChungus_1 (CT), CherryonLim_1 (CT), CocoaPuff_1 (CT), Dre3_2 (CT), Elinal_1 (CT), Feastonyeet_1 (CT), Fribs8_2 (CT), Gibbous_2 (CT), HippoPololi_2 (CT), KayGee_1 (CT), MAnor_1 (CT), MaVan_2 (CT), Nibbles_2 (CT), Pons_1 (CT), PotPie_1 (CT), SummitAcademy_1 (CT), Survivors_2 (CT), Vine_2 (CT), Wolfwood_2 (CT), Yucky_1 (CT), Zareef_2 (CT),

Start 15:

- Found in 29 of 190 (15.3%) of genes in pham
- Manual Annotations of this start: 22 of 156
- Called 96.6% of time when present
- Phage (with cluster) where this start called: AndPeggy_1 (CT), Apricot_1 (DN3), BearBQ_1 (DN), BillDoor_1 (CT), Birdsong_1 (DN), Button_1 (CT), CanesSauce_1 (CT), Caramellatte_1 (CT), ChocoMunchkin_1 (CT), Cornie_1 (F5), Crater_1 (DN3), GTE2_01 (CT), GiKK_1 (CT), Hexbug_1 (CT), Jamzy_1 (CT), Kuwabara_1 (DN4), Margaret_1 (CT), MortyNRick_1 (DN), Nodigi_1 (CT), Orla_1 (CT), Quasar_1 (CT), RanchParmCat_1 (CT), SPB78_1 (BA), SteamedHams_1 (CT), Tolls_1 (CT), VWB_1 (BA), Yakult_1 (CT), Yarn_1 (CT),

Start 20:

- Found in 8 of 190 (4.2%) of genes in pham
- Manual Annotations of this start: 6 of 156
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Akhila_2 (F1), CaptainTrips_2 (F1), Grimmer_2 (F1), KristaRAM_2 (F1), MilanaBonita_2 (F1), MilleniumForce_2 (F1), Nitzel_2 (F1), Topiatin_3 (F1),

Start 21:

- Found in 66 of 190 (34.7%) of genes in pham
- Manual Annotations of this start: 63 of 156
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ardmore_1 (F1), Aubs_1 (F1), Batiatus_1 (F1), Bipolar_1 (F1), Blexus_1 (F1), BobaPhett_1 (F1), Bubbles123_1 (F1), Chuckly_1 (F1), Clank_1 (F), DLane_1 (F1), DRBy19_1 (F1), Dante_1 (F1), DeadP_1 (F1), DillTech15_1 (F1), DoRead_1 (F1), Donkeykong_1 (F1), DotProduct_1 (F1), EleanorGeorge_1 (F1), Emma_1 (F1), Filuzino_1 (F1), Firehouse51_1 (F1), Florinda_1 (F1), Fruitloop_1 (F1), GUmbie_1 (F1), Gandolph_1 (F1), GigiOuiOui_1 (F1), Guppsters_1 (F1), Hades_1 (F1), Hamulus_1 (F1), James_1 (F1), Jant_1 (F1), Karhdo_1 (F1), KingJulian_1 (F1), Llij_1 (F1), MadMen_1 (F1), Mantra_1 (F1), Melissauren88_1 (F1), Mutaforma13_1 (F1), Ovechkin_1 (F1), PMC_1 (F1), Phanphagia_1 (F1), Phasih_1 (F1), PhesterPhotato_1 (F1), PhlipPhlop_1 (F1), PopTart_1 (F1), QuickMath_1 (F1), Rita_1 (F1), Rockne_1 (F1),

Royals2015_1 (F1), SG4_1 (F1), Sabbb_1 (F1), Sandalphon_1 (F1), SassyB_1 (F1), Shauna1_1 (F1), ShroomBoi_1 (F1), Sparkdehlily_1 (F1), StAnnes_1 (F1), SuperGrey_1 (F1), TDanisky_1 (F1), Taj_1 (F1), Tweety_1 (F1), Veteran_1 (F1), Wee_1 (F1), Whatsapiecost_1 (F1), XFactor_1 (F1), Zizzle_1 (F1),

Start 22:

- Found in 6 of 190 (3.2%) of genes in pham
- Manual Annotations of this start: 2 of 156
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 8UZL_4 (AB), FF47_04 (AB), LongHai_5 (AB), Maco6_2 (AB), Muddy_4 (AB), Salvus_5 (AB),

Start 23:

- Found in 5 of 190 (2.6%) of genes in pham
- Manual Annotations of this start: 1 of 156
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Blackbeetle_33 (S),

Start 24:

- Found in 52 of 190 (27.4%) of genes in pham
- Manual Annotations of this start: 2 of 156
- Called 9.6% of time when present
- Phage (with cluster) where this start called: Balloona_1 (CT), ElJefes_2 (CT), Mayweather_2 (CT), McDazzle_2 (CT), SheckWes_1 (CT),

Start 25:

- Found in 5 of 190 (2.6%) of genes in pham
- Manual Annotations of this start: 1 of 156
- Called 40.0% of time when present
- Phage (with cluster) where this start called: Caprice_30 (S), Raela_33 (S),

Start 26:

- Found in 15 of 190 (7.9%) of genes in pham
- Manual Annotations of this start: 11 of 156
- Called 73.3% of time when present
- Phage (with cluster) where this start called: Clarkson_34 (S), Corazon_31 (S), FeliMaine_35 (S), Gattaca_32 (S), Huphlepuuff_35 (S), Lilbit_32 (S), LittleLaf_33 (S), Pringar_33 (S), RedRaider77_33 (S), Tesla_32 (S), VasuNzinga_33 (S),

Start 32:

- Found in 16 of 190 (8.4%) of genes in pham
- Manual Annotations of this start: 1 of 156
- Called 6.2% of time when present
- Phage (with cluster) where this start called: SweatNTears_2 (CT),

Start 34:

- Found in 16 of 190 (8.4%) of genes in pham
- Manual Annotations of this start: 1 of 156
- Called 6.2% of time when present
- Phage (with cluster) where this start called: Lauer_1 (CT),

Start 42:

- Found in 6 of 190 (3.2%) of genes in pham

- No Manual Annotations of this start.
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Bavidard_2 (CT),

Start 43:

- Found in 101 of 190 (53.2%) of genes in pham
- Manual Annotations of this start: 5 of 156
- Called 5.9% of time when present
- Phage (with cluster) where this start called: Beelzebub_37 (S), GoongGoong_32 (S), JoieB_34 (S), Marvin_31 (S), MosMoris_31 (S), Poise_33 (S),

Summary by clusters:

There are 10 clusters represented in this pham: DN, F1, AB, BA, F5, F, DN4, S, DN3, CT,

Info for manual annotations of cluster AB:

- Start number 12 was manually annotated 1 time for cluster AB.
- Start number 22 was manually annotated 2 times for cluster AB.

Info for manual annotations of cluster CT:

- Start number 4 was manually annotated 1 time for cluster CT.
- Start number 13 was manually annotated 19 times for cluster CT.
- Start number 14 was manually annotated 20 times for cluster CT.
- Start number 15 was manually annotated 15 times for cluster CT.
- Start number 24 was manually annotated 2 times for cluster CT.
- Start number 32 was manually annotated 1 time for cluster CT.
- Start number 34 was manually annotated 1 time for cluster CT.

Info for manual annotations of cluster DN:

- Start number 15 was manually annotated 3 times for cluster DN.

Info for manual annotations of cluster DN3:

- Start number 15 was manually annotated 2 times for cluster DN3.

Info for manual annotations of cluster DN4:

- Start number 15 was manually annotated 1 time for cluster DN4.

Info for manual annotations of cluster F1:

- Start number 20 was manually annotated 6 times for cluster F1.
- Start number 21 was manually annotated 63 times for cluster F1.

Info for manual annotations of cluster F5:

- Start number 15 was manually annotated 1 time for cluster F5.

Info for manual annotations of cluster S:

- Start number 23 was manually annotated 1 time for cluster S.
- Start number 25 was manually annotated 1 time for cluster S.
- Start number 26 was manually annotated 11 times for cluster S.
- Start number 43 was manually annotated 5 times for cluster S.

Gene Information:

Gene: 8UZL_4 Start: 1322, Stop: 1795, Start Num: 22

Candidate Starts for 8UZL_4:

(11, 1274), (Start: 22 @1322 has 2 MA's), (36, 1385), (37, 1388), (Start: 43 @1418 has 5 MA's), (54, 1520), (78, 1745), (83, 1766), (86, 1775),

Gene: Agatha_1 Start: 52, Stop: 543, Start Num: 13

Candidate Starts for Agatha_1:

(7, 22), (Start: 13 @52 has 19 MA's), (Start: 24 @97 has 2 MA's), (44, 187), (50, 223), (52, 241), (55, 271), (63, 319), (69, 364),

Gene: AikoCarson_1 Start: 52, Stop: 531, Start Num: 13

Candidate Starts for AikoCarson_1:

(7, 22), (Start: 13 @52 has 19 MA's), (Start: 24 @97 has 2 MA's), (44, 187), (52, 241), (55, 271), (63, 319), (69, 364), (74, 412), (89, 526),

Gene: Akhila_2 Start: 754, Stop: 1212, Start Num: 20

Candidate Starts for Akhila_2:

(Start: 20 @754 has 6 MA's), (28, 784), (35, 823), (40, 841), (Start: 43 @856 has 5 MA's), (45, 868), (46, 871), (48, 883), (49, 889), (53, 922), (60, 967), (61, 973), (62, 976), (71, 1072), (79, 1162), (90, 1204),

Gene: Amok_1 Start: 53, Stop: 532, Start Num: 13

Candidate Starts for Amok_1:

(Start: 13 @53 has 19 MA's), (Start: 24 @98 has 2 MA's), (44, 188), (52, 242), (55, 272), (63, 320), (69, 365), (74, 413), (89, 527),

Gene: AndPeggy_1 Start: 59, Stop: 535, Start Num: 15

Candidate Starts for AndPeggy_1:

(6, 14), (Start: 15 @59 has 22 MA's), (27, 107), (44, 188), (52, 242), (55, 272), (69, 365), (74, 413), (88, 524),

Gene: Apricot_1 Start: 50, Stop: 484, Start Num: 15

Candidate Starts for Apricot_1:

(Start: 15 @50 has 22 MA's), (33, 125), (36, 134), (Start: 43 @167 has 5 MA's), (44, 170), (51, 218), (55, 254), (58, 272), (64, 317), (69, 347), (72, 386),

Gene: Ardmore_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for Ardmore_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (79, 514), (90, 556),

Gene: Aubs_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for Aubs_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (75, 439), (79, 514), (90, 556),

Gene: Axym_1 Start: 52, Stop: 543, Start Num: 13

Candidate Starts for Axym_1:

(7, 22), (Start: 13 @52 has 19 MA's), (Start: 24 @97 has 2 MA's), (44, 187), (50, 223), (52, 241), (55, 271), (63, 319), (69, 364),

Gene: Azira_2 Start: 425, Stop: 922, Start Num: 14

Candidate Starts for Azira_2:

(9, 398), (Start: 14 @425 has 20 MA's), (Start: 32 @506 has 1 MA's), (55, 659), (59, 680), (69, 752), (72, 791), (85, 899),

Gene: Balloona_1 Start: 98, Stop: 547, Start Num: 24

Candidate Starts for Balloona_1:

(Start: 14 @56 has 20 MA's), (Start: 24 @98 has 2 MA's), (Start: 34 @146 has 1 MA's), (49, 221), (50, 224), (55, 272), (68, 359), (69, 365), (72, 404), (74, 413), (77, 434),

Gene: Batiatus_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for Batiatus_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (79, 514), (90, 556),

Gene: Bavilard_2 Start: 592, Stop: 963, Start Num: 42

Candidate Starts for Bavilard_2:

(Start: 14 @475 has 20 MA's), (Start: 24 @514 has 2 MA's), (42, 592), (49, 637), (50, 640), (55, 688), (57, 700), (68, 775), (69, 781), (72, 820), (74, 829), (77, 850),

Gene: BearBQ_1 Start: 50, Stop: 484, Start Num: 15

Candidate Starts for BearBQ_1:

(Start: 15 @50 has 22 MA's), (33, 125), (36, 134), (Start: 43 @167 has 5 MA's), (44, 170), (51, 218), (55, 254), (58, 272), (64, 317), (69, 347), (72, 386),

Gene: Beelzebub_37 Start: 10803, Stop: 11156, Start Num: 43

Candidate Starts for Beelzebub_37:

(2, 10587), (Start: 26 @10722 has 11 MA's), (Start: 43 @10803 has 5 MA's), (56, 10923), (61, 10953), (69, 11013), (81, 11148),

Gene: BigChungus_1 Start: 56, Stop: 547, Start Num: 14

Candidate Starts for BigChungus_1:

(Start: 14 @56 has 20 MA's), (Start: 24 @98 has 2 MA's), (Start: 34 @146 has 1 MA's), (49, 221), (50, 224), (55, 272), (68, 359), (69, 365), (72, 404), (74, 413), (77, 434),

Gene: BillDoor_1 Start: 59, Stop: 535, Start Num: 15

Candidate Starts for BillDoor_1:

(6, 14), (Start: 15 @59 has 22 MA's), (27, 107), (44, 188), (52, 242), (55, 272), (69, 365), (74, 413), (88, 524),

Gene: Bipolar_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for Bipolar_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (75, 439), (79, 514), (90, 556),

Gene: Birdsong_1 Start: 50, Stop: 484, Start Num: 15

Candidate Starts for Birdsong_1:

(Start: 15 @50 has 22 MA's), (33, 125), (36, 134), (Start: 43 @167 has 5 MA's), (44, 170), (51, 218), (55, 254), (58, 272), (64, 317), (69, 347), (72, 386),

Gene: Biskit_1 Start: 52, Stop: 534, Start Num: 13

Candidate Starts for Biskit_1:

(7, 22), (Start: 13 @52 has 19 MA's), (Start: 24 @97 has 2 MA's), (44, 187), (50, 223), (52, 241), (55, 271), (69, 364), (74, 412), (88, 523),

Gene: Blackbeetle_33 Start: 9732, Stop: 10175, Start Num: 23

Candidate Starts for Blackbeetle_33:

(Start: 23 @9732 has 1 MA's), (Start: 25 @9741 has 1 MA's), (Start: 43 @9822 has 5 MA's), (56, 9942), (61, 9972), (69, 10032), (81, 10167),

Gene: Blexus_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for Blexus_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (75, 439), (79, 514), (90, 556),

Gene: Blondies_1 Start: 53, Stop: 535, Start Num: 13

Candidate Starts for Blondies_1:

(6, 14), (Start: 13 @53 has 19 MA's), (Start: 24 @98 has 2 MA's), (44, 188), (52, 242), (55, 272), (69, 365), (74, 413), (88, 524),

Gene: BobaPhett_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for BobaPhett_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (41, 196), (Start: 43 @208 has 5 MA's), (48, 235), (49, 241), (53, 274), (58, 310), (60, 319), (61, 325), (62, 328), (69, 388), (87, 547), (90, 556),

Gene: Bubble_1 Start: 52, Stop: 543, Start Num: 13

Candidate Starts for Bubble_1:

(7, 22), (Start: 13 @52 has 19 MA's), (Start: 24 @97 has 2 MA's), (44, 187), (50, 223), (52, 241), (55, 271), (63, 319), (69, 364),

Gene: Bubbles123_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for Bubbles123_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (75, 439), (79, 514), (90, 556),

Gene: Burnsey_1 Start: 52, Stop: 543, Start Num: 13

Candidate Starts for Burnsey_1:

(7, 22), (Start: 13 @52 has 19 MA's), (Start: 24 @97 has 2 MA's), (44, 187), (50, 223), (55, 271), (63, 319), (69, 364),

Gene: Button_1 Start: 50, Stop: 505, Start Num: 15

Candidate Starts for Button_1:

(Start: 15 @50 has 22 MA's), (55, 263), (69, 356), (74, 404), (82, 491),

Gene: Buttrmlkdreams_1 Start: 53, Stop: 535, Start Num: 13

Candidate Starts for Buttrmlkdreams_1:

(6, 14), (Start: 13 @53 has 19 MA's), (Start: 24 @98 has 2 MA's), (44, 188), (52, 242), (55, 272), (69, 365), (74, 413), (88, 524),

Gene: CanesSauce_1 Start: 59, Stop: 535, Start Num: 15

Candidate Starts for CanesSauce_1:

(6, 14), (Start: 15 @59 has 22 MA's), (27, 107), (44, 188), (52, 242), (55, 272), (63, 320), (69, 365), (74, 413), (88, 524),

Gene: Caprice_30 Start: 9811, Stop: 10245, Start Num: 25

Candidate Starts for Caprice_30:

(16, 9775), (19, 9787), (Start: 23 @9802 has 1 MA's), (Start: 25 @9811 has 1 MA's), (Start: 43 @9892 has 5 MA's), (56, 10012), (61, 10042), (69, 10102), (81, 10237),

Gene: CaptainTrips_2 Start: 754, Stop: 1212, Start Num: 20

Candidate Starts for CaptainTrips_2:

(Start: 20 @754 has 6 MA's), (28, 784), (35, 823), (40, 841), (Start: 43 @856 has 5 MA's), (45, 868), (46, 871), (48, 883), (49, 889), (53, 922), (60, 967), (61, 973), (62, 976), (71, 1072), (75, 1087), (79, 1162), (90, 1204),

Gene: Caramellatte_1 Start: 59, Stop: 535, Start Num: 15

Candidate Starts for Caramellatte_1:

(6, 14), (Start: 15 @59 has 22 MA's), (27, 107), (44, 188), (52, 242), (55, 272), (63, 320), (69, 365), (74, 413), (88, 524),

Gene: Carsonalex_1 Start: 52, Stop: 543, Start Num: 13

Candidate Starts for Carsonalex_1:

(7, 22), (Start: 13 @52 has 19 MA's), (Start: 24 @97 has 2 MA's), (44, 187), (50, 223), (52, 241), (55, 271), (63, 319), (69, 364), (89, 526),

Gene: CherryonLim_1 Start: 56, Stop: 547, Start Num: 14

Candidate Starts for CherryonLim_1:

(Start: 14 @56 has 20 MA's), (Start: 24 @98 has 2 MA's), (Start: 34 @146 has 1 MA's), (49, 221), (50, 224), (55, 272), (68, 359), (69, 365), (72, 404), (74, 413), (77, 434),

Gene: ChickenTender_1 Start: 52, Stop: 543, Start Num: 13

Candidate Starts for ChickenTender_1:

(7, 22), (Start: 13 @52 has 19 MA's), (Start: 24 @97 has 2 MA's), (44, 187), (50, 223), (52, 241), (55, 271), (63, 319), (69, 364),

Gene: ChocoMunchkin_1 Start: 59, Stop: 535, Start Num: 15

Candidate Starts for ChocoMunchkin_1:

(6, 14), (Start: 15 @59 has 22 MA's), (27, 107), (44, 188), (52, 242), (55, 272), (63, 320), (69, 365), (74, 413), (88, 524),

Gene: Chuckly_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for Chuckly_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (75, 439), (79, 514), (90, 556),

Gene: Clank_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for Clank_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (75, 439), (79, 514), (90, 556),

Gene: Clarkson_34 Start: 10423, Stop: 10857, Start Num: 26

Candidate Starts for Clarkson_34:

(2, 10288), (Start: 26 @10423 has 11 MA's), (Start: 43 @10504 has 5 MA's), (56, 10624), (61, 10654), (69, 10714), (81, 10849),

Gene: Cleo_2 Start: 447, Stop: 983, Start Num: 4

Candidate Starts for Cleo_2:

(Start: 4 @447 has 1 MA's), (Start: 14 @498 has 20 MA's), (Start: 32 @579 has 1 MA's), (42, 618), (55, 732), (59, 753), (61, 765), (69, 825),

Gene: CocoaPuff_1 Start: 56, Stop: 547, Start Num: 14

Candidate Starts for CocoaPuff_1:

(Start: 14 @56 has 20 MA's), (Start: 24 @98 has 2 MA's), (Start: 34 @146 has 1 MA's), (49, 221), (50, 224), (55, 272), (68, 359), (69, 365), (72, 404), (74, 413), (77, 434),

Gene: Corazon_31 Start: 10376, Stop: 10810, Start Num: 26

Candidate Starts for Corazon_31:

(2, 10241), (Start: 26 @10376 has 11 MA's), (Start: 43 @10457 has 5 MA's), (56, 10577), (61, 10607), (69, 10667), (81, 10802),

Gene: Cornie_1 Start: 85, Stop: 549, Start Num: 15

Candidate Starts for Cornie_1:

(Start: 15 @85 has 22 MA's), (30, 133), (Start: 32 @148 has 1 MA's), (33, 154), (39, 172), (42, 187), (46, 226), (51, 277), (53, 295), (63, 361), (64, 379), (65, 385), (66, 388), (67, 397), (68, 403), (69, 409), (70, 418), (80, 535), (81, 544),

Gene: Cozz_1 Start: 52, Stop: 543, Start Num: 13

Candidate Starts for Cozz_1:

(7, 22), (Start: 13 @52 has 19 MA's), (Start: 24 @97 has 2 MA's), (44, 187), (50, 223), (52, 241), (55, 271), (63, 319), (69, 364),

Gene: Crater_1 Start: 50, Stop: 484, Start Num: 15

Candidate Starts for Crater_1:

(Start: 15 @50 has 22 MA's), (33, 125), (36, 134), (Start: 43 @167 has 5 MA's), (44, 170), (51, 218), (55, 254), (58, 272), (64, 317), (69, 347), (72, 386),

Gene: DLane_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for DLane_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (75, 439), (79, 514), (90, 556),

Gene: DRBy19_1 Start: 110, Stop: 565, Start Num: 21

Candidate Starts for DRBy19_1:

(Start: 21 @110 has 63 MA's), (28, 137), (35, 176), (40, 194), (41, 197), (48, 236), (49, 242), (53, 275), (58, 311), (60, 320), (61, 326), (62, 329), (69, 389), (79, 515), (90, 557),

Gene: Dante_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for Dante_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (48, 235), (49, 241), (53, 274), (58, 310), (60, 319), (61, 325), (71, 424), (79, 514), (90, 556),

Gene: DeadP_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for DeadP_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (75, 439), (79, 514), (90, 556),

Gene: DillTech15_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for DillTech15_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (79, 514), (90, 556),

Gene: DoRead_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for DoRead_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (75, 439), (79, 514), (90, 556),

Gene: Donkeykong_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for Donkeykong_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (79, 514), (90, 556),

Gene: DotProduct_1 Start: 110, Stop: 565, Start Num: 21

Candidate Starts for DotProduct_1:

(Start: 21 @110 has 63 MA's), (28, 137), (35, 176), (40, 194), (Start: 43 @209 has 5 MA's), (45, 221), (46, 224), (48, 236), (49, 242), (53, 275), (60, 320), (61, 326), (62, 329), (71, 425), (75, 440), (79, 515), (90, 557),

Gene: Dre3_2 Start: 442, Stop: 927, Start Num: 14

Candidate Starts for Dre3_2:

(Start: 14 @442 has 20 MA's), (Start: 32 @523 has 1 MA's), (42, 562), (55, 676), (59, 697), (61, 709), (69, 769),

Gene: ElJefes_2 Start: 514, Stop: 963, Start Num: 24

Candidate Starts for ElJefes_2:

(Start: 14 @475 has 20 MA's), (Start: 24 @514 has 2 MA's), (49, 637), (50, 640), (55, 688), (68, 775), (69, 781), (72, 820), (74, 829), (77, 850),

Gene: EleanorGeorge_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for EleanorGeorge_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (79, 514), (90, 556),

Gene: Elinal_1 Start: 56, Stop: 547, Start Num: 14

Candidate Starts for Elinal_1:

(Start: 14 @56 has 20 MA's), (Start: 24 @98 has 2 MA's), (Start: 34 @146 has 1 MA's), (49, 221), (50, 224), (55, 272), (57, 284), (68, 359), (69, 365), (72, 404), (74, 413), (77, 434),

Gene: Elliott_1 Start: 52, Stop: 543, Start Num: 13

Candidate Starts for Elliott_1:

(7, 22), (Start: 13 @52 has 19 MA's), (Start: 24 @97 has 2 MA's), (44, 187), (50, 223), (55, 271), (63, 319), (69, 364),

Gene: Emalyn_1 Start: 52, Stop: 531, Start Num: 13

Candidate Starts for Emalyn_1:

(7, 22), (Start: 13 @52 has 19 MA's), (Start: 24 @97 has 2 MA's), (44, 187), (52, 241), (55, 271), (63, 319), (69, 364), (74, 412), (89, 526),

Gene: Emma_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for Emma_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (75, 439), (79, 514), (90, 556),

Gene: FF47_04 Start: 1302, Stop: 1775, Start Num: 22

Candidate Starts for FF47_04:

(11, 1254), (Start: 22 @1302 has 2 MA's), (36, 1365), (37, 1368), (Start: 43 @1398 has 5 MA's), (54, 1500), (78, 1725), (83, 1746), (86, 1755),

Gene: Feastonyeet_1 Start: 56, Stop: 547, Start Num: 14

Candidate Starts for Feastonyeet_1:

(Start: 14 @56 has 20 MA's), (Start: 24 @98 has 2 MA's), (Start: 34 @146 has 1 MA's), (49, 221), (50, 224), (55, 272), (68, 359), (69, 365), (72, 404), (74, 413), (77, 434),

Gene: FeliMaine_35 Start: 10424, Stop: 10858, Start Num: 26

Candidate Starts for FeliMaine_35:

(2, 10289), (Start: 26 @10424 has 11 MA's), (Start: 43 @10505 has 5 MA's), (56, 10625), (61, 10655), (69, 10715), (81, 10850),

Gene: Filuzino_1 Start: 110, Stop: 565, Start Num: 21

Candidate Starts for Filuzino_1:

(Start: 21 @110 has 63 MA's), (28, 137), (35, 176), (40, 194), (Start: 43 @209 has 5 MA's), (45, 221), (46, 224), (48, 236), (49, 242), (53, 275), (60, 320), (61, 326), (62, 329), (71, 425), (79, 515), (90, 557),

Gene: Firehouse51_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for Firehouse51_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (79, 514), (90, 556),

Gene: Florinda_1 Start: 106, Stop: 561, Start Num: 21

Candidate Starts for Florinda_1:

(Start: 21 @106 has 63 MA's), (28, 133), (35, 172), (Start: 43 @205 has 5 MA's), (45, 217), (46, 220), (48, 232), (49, 238), (53, 271), (58, 307), (60, 316), (61, 322), (69, 385), (75, 436), (79, 511), (90, 553),

Gene: Fribs8_2 Start: 426, Stop: 911, Start Num: 14

Candidate Starts for Fribs8_2:

(9, 399), (Start: 14 @426 has 20 MA's), (Start: 32 @507 has 1 MA's), (55, 660), (59, 681), (69, 753), (72, 792),

Gene: Fruitloop_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for Fruitloop_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (75, 439), (79, 514), (90, 556),

Gene: GTE2_01 Start: 59, Stop: 535, Start Num: 15

Candidate Starts for GTE2_01:

(6, 14), (Start: 15 @59 has 22 MA's), (44, 188), (52, 242), (55, 272), (58, 290), (69, 365), (74, 413), (88, 524),

Gene: GUmbie_1 Start: 110, Stop: 565, Start Num: 21

Candidate Starts for GUmbie_1:

(8, 50), (Start: 21 @110 has 63 MA's), (28, 137), (35, 176), (40, 194), (Start: 43 @209 has 5 MA's), (45, 221), (46, 224), (48, 236), (49, 242), (53, 275), (60, 320), (61, 326), (62, 329), (71, 425), (75, 440), (79, 515), (90, 557),

Gene: Gandalph_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for Gandalph_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (75, 439), (79, 514), (90, 556),

Gene: Gattaca_32 Start: 9603, Stop: 10037, Start Num: 26

Candidate Starts for Gattaca_32:

(2, 9468), (Start: 26 @9603 has 11 MA's), (Start: 43 @9684 has 5 MA's), (56, 9804), (61, 9834), (69, 9894), (81, 10029),

Gene: GiKK_1 Start: 49, Stop: 504, Start Num: 15

Candidate Starts for GiKK_1:

(7, 22), (Start: 15 @49 has 22 MA's), (44, 178), (55, 262), (58, 280), (69, 355), (74, 403), (82, 490),

Gene: Gibbous_2 Start: 442, Stop: 927, Start Num: 14

Candidate Starts for Gibbous_2:

(Start: 14 @442 has 20 MA's), (Start: 32 @523 has 1 MA's), (42, 562), (55, 676), (59, 697), (61, 709), (69, 769),

Gene: GigiOuiOui_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for GigiOuiOui_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (75, 439), (79, 514), (90, 556),

Gene: GoldHunter_1 Start: 52, Stop: 543, Start Num: 13

Candidate Starts for GoldHunter_1:

(7, 22), (Start: 13 @52 has 19 MA's), (Start: 24 @97 has 2 MA's), (44, 187), (50, 223), (52, 241), (55, 271), (63, 319), (69, 364),

Gene: GoongGoong_32 Start: 9724, Stop: 10077, Start Num: 43

Candidate Starts for GoongGoong_32:

(Start: 23 @9634 has 1 MA's), (Start: 25 @9643 has 1 MA's), (Start: 43 @9724 has 5 MA's), (56, 9844), (61, 9874), (69, 9934), (81, 10069),

Gene: Grimmer_2 Start: 754, Stop: 1212, Start Num: 20

Candidate Starts for Grimmer_2:

(Start: 20 @754 has 6 MA's), (28, 784), (35, 823), (40, 841), (45, 868), (46, 871), (48, 883), (49, 889), (53, 922), (60, 967), (61, 973), (62, 976), (71, 1072), (79, 1162), (90, 1204),

Gene: Guppsters_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for Guppsters_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (75, 439), (79, 514), (90, 556),

Gene: Hades_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for Hades_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (75, 439), (79, 514), (90, 556),

Gene: Hamulus_1 Start: 110, Stop: 565, Start Num: 21

Candidate Starts for Hamulus_1:

(Start: 21 @110 has 63 MA's), (28, 137), (35, 176), (40, 194), (Start: 43 @209 has 5 MA's), (45, 221), (46, 224), (48, 236), (49, 242), (53, 275), (60, 320), (61, 326), (62, 329), (71, 425), (75, 440), (79, 515), (90, 557),

Gene: Hexbug_1 Start: 50, Stop: 505, Start Num: 15

Candidate Starts for Hexbug_1:

(Start: 15 @50 has 22 MA's), (Start: 24 @89 has 2 MA's), (44, 179), (55, 263), (69, 356), (74, 404), (82, 491),

Gene: HippoPololi_2 Start: 449, Stop: 934, Start Num: 14

Candidate Starts for HippoPololi_2:

(3, 380), (10, 425), (Start: 14 @449 has 20 MA's), (Start: 32 @530 has 1 MA's), (42, 569), (55, 683), (59, 704), (61, 716), (69, 776),

Gene: Horseradish_1 Start: 53, Stop: 535, Start Num: 13

Candidate Starts for Horseradish_1:

(6, 14), (Start: 13 @53 has 19 MA's), (Start: 24 @98 has 2 MA's), (44, 188), (52, 242), (55, 272), (69, 365), (74, 413), (88, 524),

Gene: Huphlebuff_35 Start: 10228, Stop: 10662, Start Num: 26

Candidate Starts for Huphlebuff_35:

(2, 10093), (Start: 26 @10228 has 11 MA's), (Start: 43 @10309 has 5 MA's), (56, 10429), (61, 10459), (69, 10519), (81, 10654),

Gene: James_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for James_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (41, 196), (Start: 43 @208 has 5 MA's), (48, 235), (49, 241), (53, 274), (58, 310), (60, 319), (61, 325), (62, 328), (69, 388), (87, 547), (90, 556),

Gene: Jamzy_1 Start: 49, Stop: 504, Start Num: 15

Candidate Starts for Jamzy_1:

(Start: 15 @49 has 22 MA's), (Start: 24 @88 has 2 MA's), (44, 178), (55, 262), (68, 349), (69, 355), (74, 403), (82, 490), (84, 499),

Gene: Jant_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for Jant_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (79, 514), (90, 556),

Gene: JoieB_34 Start: 10528, Stop: 10881, Start Num: 43

Candidate Starts for JoieB_34:

(2, 10312), (Start: 26 @10447 has 11 MA's), (Start: 43 @10528 has 5 MA's), (56, 10648), (61, 10678), (69, 10738), (81, 10873),

Gene: Karhdo_1 Start: 110, Stop: 565, Start Num: 21

Candidate Starts for Karhdo_1:

(8, 50), (Start: 21 @110 has 63 MA's), (28, 137), (35, 176), (40, 194), (Start: 43 @209 has 5 MA's), (45, 221), (46, 224), (48, 236), (49, 242), (53, 275), (60, 320), (61, 326), (62, 329), (71, 425), (75, 440), (79, 515), (90, 557),

Gene: KayGee_1 Start: 56, Stop: 547, Start Num: 14

Candidate Starts for KayGee_1:

(Start: 14 @56 has 20 MA's), (Start: 24 @98 has 2 MA's), (Start: 34 @146 has 1 MA's), (49, 221), (50, 224), (55, 272), (57, 284), (68, 359), (69, 365), (72, 404), (74, 413), (77, 434),

Gene: KingJulian_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for KingJulian_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (79, 514), (90, 556),

Gene: KristaRAM_2 Start: 754, Stop: 1212, Start Num: 20

Candidate Starts for KristaRAM_2:

(Start: 20 @754 has 6 MA's), (28, 784), (35, 823), (40, 841), (Start: 43 @856 has 5 MA's), (45, 868), (46, 871), (48, 883), (49, 889), (53, 922), (60, 967), (61, 973), (62, 976), (71, 1072), (75, 1087), (79, 1162), (90, 1204),

Gene: Kuwabara_1 Start: 50, Stop: 484, Start Num: 15

Candidate Starts for Kuwabara_1:

(Start: 15 @50 has 22 MA's), (33, 125), (36, 134), (Start: 43 @167 has 5 MA's), (44, 170), (51, 218), (55, 254), (58, 272), (64, 317), (69, 347), (72, 386),

Gene: Lauer_1 Start: 146, Stop: 547, Start Num: 34

Candidate Starts for Lauer_1:

(Start: 14 @56 has 20 MA's), (Start: 24 @98 has 2 MA's), (Start: 34 @146 has 1 MA's), (49, 221), (50, 224), (55, 272), (57, 284), (68, 359), (69, 365), (72, 404), (74, 413), (77, 434),

Gene: Lilbit_32 Start: 10424, Stop: 10858, Start Num: 26

Candidate Starts for Lilbit_32:

(2, 10289), (Start: 26 @10424 has 11 MA's), (Start: 43 @10505 has 5 MA's), (56, 10625), (61, 10655), (69, 10715), (81, 10850),

Gene: LittleLaf_33 Start: 10153, Stop: 10587, Start Num: 26

Candidate Starts for LittleLaf_33:

(2, 10018), (Start: 26 @10153 has 11 MA's), (Start: 43 @10234 has 5 MA's), (56, 10354), (61, 10384), (69, 10444), (81, 10579),

Gene: Llij_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for Llij_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (79, 514), (90, 556),

Gene: LongHai_5 Start: 1624, Stop: 2100, Start Num: 22

Candidate Starts for LongHai_5:

(11, 1576), (Start: 22 @1624 has 2 MA's), (36, 1687), (37, 1690), (Start: 43 @1720 has 5 MA's), (54, 1822), (78, 2047), (83, 2068), (86, 2077),

Gene: MAnor_1 Start: 56, Stop: 547, Start Num: 14

Candidate Starts for MAnor_1:

(Start: 14 @56 has 20 MA's), (Start: 24 @98 has 2 MA's), (Start: 34 @146 has 1 MA's), (49, 221), (50, 224), (55, 272), (68, 359), (69, 365), (72, 404), (74, 413), (77, 434),

Gene: MScarn_1 Start: 53, Stop: 535, Start Num: 13

Candidate Starts for MScarn_1:

(6, 14), (Start: 13 @53 has 19 MA's), (Start: 24 @98 has 2 MA's), (44, 188), (52, 242), (55, 272), (69, 365), (74, 413), (88, 524),

Gene: MaVan_2 Start: 426, Stop: 923, Start Num: 14

Candidate Starts for MaVan_2:

(9, 399), (Start: 14 @426 has 20 MA's), (Start: 32 @507 has 1 MA's), (55, 660), (59, 681), (69, 753), (72, 792), (85, 900),

Gene: Maco6_2 Start: 581, Stop: 1054, Start Num: 22

Candidate Starts for Maco6_2:

(11, 533), (Start: 22 @581 has 2 MA's), (36, 644), (37, 647), (Start: 43 @677 has 5 MA's), (54, 779), (78, 1004), (83, 1025), (86, 1034),

Gene: MadMen_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for MadMen_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (79, 514), (90, 556),

Gene: Mantra_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for Mantra_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (75, 439), (79, 514), (90, 556),

Gene: Margaret_1 Start: 49, Stop: 504, Start Num: 15

Candidate Starts for Margaret_1:

(Start: 15 @49 has 22 MA's), (55, 262), (69, 355), (74, 403), (82, 490),

Gene: Marvin_31 Start: 10504, Stop: 10857, Start Num: 43

Candidate Starts for Marvin_31:

(2, 10288), (Start: 26 @10423 has 11 MA's), (Start: 43 @10504 has 5 MA's), (56, 10624), (61, 10654), (69, 10714), (81, 10849),

Gene: Mayweather_2 Start: 513, Stop: 962, Start Num: 24

Candidate Starts for Mayweather_2:

(Start: 14 @474 has 20 MA's), (Start: 24 @513 has 2 MA's), (49, 636), (50, 639), (55, 687), (57, 699), (68, 774), (69, 780), (72, 819), (74, 828), (77, 849),

Gene: McDazzle_2 Start: 514, Stop: 963, Start Num: 24

Candidate Starts for McDazzle_2:

(Start: 14 @475 has 20 MA's), (Start: 24 @514 has 2 MA's), (50, 640), (55, 688), (57, 700), (68, 775), (69, 781), (72, 820), (74, 829), (77, 850),

Gene: Melissauren88_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for Melissauren88_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (75, 439), (79, 514), (90, 556),

Gene: MilanaBonita_2 Start: 754, Stop: 1212, Start Num: 20

Candidate Starts for MilanaBonita_2:

(Start: 20 @754 has 6 MA's), (28, 784), (35, 823), (40, 841), (Start: 43 @856 has 5 MA's), (45, 868), (46, 871), (48, 883), (49, 889), (53, 922), (60, 967), (61, 973), (62, 976), (71, 1072), (79, 1162), (90, 1204),

Gene: MilleniumForce_2 Start: 754, Stop: 1212, Start Num: 20

Candidate Starts for MilleniumForce_2:

(Start: 20 @754 has 6 MA's), (28, 784), (35, 823), (40, 841), (Start: 43 @856 has 5 MA's), (45, 868), (46, 871), (48, 883), (49, 889), (53, 922), (60, 967), (61, 973), (62, 976), (71, 1072), (79, 1162), (90, 1204),

Gene: MortyNRick_1 Start: 50, Stop: 484, Start Num: 15

Candidate Starts for MortyNRick_1:

(Start: 15 @50 has 22 MA's), (33, 125), (36, 134), (Start: 43 @167 has 5 MA's), (44, 170), (51, 218), (55, 254), (58, 272), (64, 317), (69, 347), (72, 386),

Gene: MosMoris_31 Start: 9684, Stop: 10037, Start Num: 43

Candidate Starts for MosMoris_31:

(2, 9468), (Start: 26 @9603 has 11 MA's), (Start: 43 @9684 has 5 MA's), (56, 9804), (61, 9834), (69, 9894), (81, 10029),

Gene: Muddy_4 Start: 1535, Stop: 2008, Start Num: 22

Candidate Starts for Muddy_4:

(11, 1487), (Start: 22 @1535 has 2 MA's), (36, 1598), (37, 1601), (Start: 43 @1631 has 5 MA's), (54, 1733), (78, 1958), (83, 1979), (86, 1988),

Gene: MunkgeeRoachy_1 Start: 52, Stop: 543, Start Num: 13

Candidate Starts for MunkgeeRoachy_1:

(7, 22), (Start: 13 @52 has 19 MA's), (Start: 24 @97 has 2 MA's), (44, 187), (50, 223), (55, 271), (63, 319), (68, 358), (69, 364), (89, 526),

Gene: Mutaforma13_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for Mutaforma13_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (75, 439), (79, 514), (90, 556),

Gene: Nibbles_2 Start: 426, Stop: 923, Start Num: 14

Candidate Starts for Nibbles_2:

(9, 399), (Start: 14 @426 has 20 MA's), (Start: 32 @507 has 1 MA's), (55, 660), (59, 681), (69, 753), (72, 792), (85, 900),

Gene: Nina_1 Start: 52, Stop: 543, Start Num: 13

Candidate Starts for Nina_1:

(7, 22), (Start: 13 @52 has 19 MA's), (Start: 24 @97 has 2 MA's), (44, 187), (50, 223), (52, 241), (55, 271), (63, 319), (69, 364),

Gene: Nitzel_2 Start: 754, Stop: 1212, Start Num: 20

Candidate Starts for Nitzel_2:

(Start: 20 @754 has 6 MA's), (28, 784), (35, 823), (40, 841), (45, 868), (46, 871), (48, 883), (49, 889), (53, 922), (60, 967), (61, 973), (62, 976), (71, 1072), (79, 1162), (90, 1204),

Gene: NoShow_1 Start: 166, Stop: 675, Start Num: 12

Candidate Starts for NoShow_1:

(1, 82), (5, 115), (Start: 12 @166 has 1 MA's), (18, 199), (29, 244), (38, 277), (52, 379), (60, 436), (64, 478), (69, 508), (76, 562), (78, 625),

Gene: Nodigi_1 Start: 50, Stop: 505, Start Num: 15

Candidate Starts for Nodigi_1:

(Start: 15 @50 has 22 MA's), (Start: 24 @89 has 2 MA's), (44, 179), (55, 263), (69, 356), (74, 404), (82, 491),

Gene: Orla_1 Start: 49, Stop: 504, Start Num: 15

Candidate Starts for Orla_1:

(Start: 15 @49 has 22 MA's), (Start: 24 @88 has 2 MA's), (44, 178), (55, 262), (69, 355), (74, 403), (82, 490),

Gene: Ovechkin_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for Ovechkin_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (79, 514), (90, 556),

Gene: PMC_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for PMC_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (79, 514), (90, 556),

Gene: Phanphagia_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for Phanphagia_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (75, 439), (79, 514), (90, 556),

Gene: Phasih_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for Phasih_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (79, 514), (90, 556),

Gene: PhesterPhotato_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for PhesterPhotato_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (75, 439), (79, 514), (90, 556),

Gene: PhlipPhlop_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for PhlipPhlop_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (75, 439), (79, 514), (90, 556),

Gene: Poise_33 Start: 9822, Stop: 10175, Start Num: 43

Candidate Starts for Poise_33:

(Start: 23 @9732 has 1 MA's), (Start: 25 @9741 has 1 MA's), (Start: 43 @9822 has 5 MA's), (56, 9942), (61, 9972), (69, 10032), (81, 10167),

Gene: Pons_1 Start: 56, Stop: 547, Start Num: 14

Candidate Starts for Pons_1:

(Start: 14 @56 has 20 MA's), (Start: 24 @98 has 2 MA's), (Start: 34 @146 has 1 MA's), (49, 221), (50, 224), (55, 272), (68, 359), (69, 365), (72, 404), (74, 413), (77, 434),

Gene: PopTart_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for PopTart_1:

(Start: 21 @109 has 63 MA's), (28, 136), (Start: 34 @172 has 1 MA's), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (75, 439), (79, 514), (90, 556),

Gene: PotPie_1 Start: 56, Stop: 547, Start Num: 14

Candidate Starts for PotPie_1:

(Start: 14 @56 has 20 MA's), (Start: 24 @98 has 2 MA's), (Start: 34 @146 has 1 MA's), (50, 224), (55, 272), (57, 284), (68, 359), (69, 365), (72, 404), (74, 413), (77, 434),

Gene: Pringar_33 Start: 10053, Stop: 10487, Start Num: 26

Candidate Starts for Pringar_33:

(2, 9918), (Start: 26 @10053 has 11 MA's), (Start: 43 @10134 has 5 MA's), (56, 10254), (61, 10284), (69, 10344), (81, 10479),

Gene: PsychoKiller_1 Start: 52, Stop: 543, Start Num: 13

Candidate Starts for PsychoKiller_1:

(7, 22), (Start: 13 @52 has 19 MA's), (Start: 24 @97 has 2 MA's), (44, 187), (50, 223), (55, 271), (63, 319), (69, 364),

Gene: Quasar_1 Start: 679, Stop: 1164, Start Num: 15

Candidate Starts for Quasar_1:

(Start: 15 @679 has 22 MA's), (Start: 32 @757 has 1 MA's), (44, 808), (52, 862), (55, 892), (57, 904), (63, 940), (69, 985),

Gene: QuickMath_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for QuickMath_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (79, 514), (90, 556),

Gene: RADical_1 Start: 53, Stop: 544, Start Num: 13

Candidate Starts for RADical_1:

(Start: 13 @53 has 19 MA's), (Start: 24 @98 has 2 MA's), (44, 188), (50, 224), (52, 242), (55, 272), (63, 320), (69, 365),

Gene: RSchmailzl_1 Start: 52, Stop: 543, Start Num: 13

Candidate Starts for RSchmailzl_1:

(7, 22), (Start: 13 @52 has 19 MA's), (Start: 24 @97 has 2 MA's), (44, 187), (50, 223), (52, 241), (55, 271), (63, 319), (69, 364), (89, 526),

Gene: Raela_33 Start: 10296, Stop: 10730, Start Num: 25

Candidate Starts for Raela_33:

(Start: 23 @10287 has 1 MA's), (Start: 25 @10296 has 1 MA's), (Start: 43 @10377 has 5 MA's), (56, 10497), (61, 10527), (69, 10587), (81, 10722),

Gene: RanchParmCat_1 Start: 49, Stop: 504, Start Num: 15

Candidate Starts for RanchParmCat_1:

(Start: 15 @49 has 22 MA's), (55, 262), (69, 355), (74, 403), (82, 490),

Gene: RedBaron_1 Start: 52, Stop: 543, Start Num: 13

Candidate Starts for RedBaron_1:

(7, 22), (Start: 13 @52 has 19 MA's), (Start: 24 @97 has 2 MA's), (44, 187), (50, 223), (52, 241), (55, 271), (63, 319), (69, 364), (89, 526),

Gene: RedRaider77_33 Start: 10197, Stop: 10631, Start Num: 26

Candidate Starts for RedRaider77_33:

(2, 10062), (Start: 26 @10197 has 11 MA's), (Start: 43 @10278 has 5 MA's), (56, 10398), (61, 10428), (69, 10488), (81, 10623),

Gene: Rita_1 Start: 110, Stop: 565, Start Num: 21

Candidate Starts for Rita_1:

(Start: 21 @110 has 63 MA's), (28, 137), (35, 176), (40, 194), (Start: 43 @209 has 5 MA's), (45, 221), (46, 224), (48, 236), (49, 242), (53, 275), (60, 320), (61, 326), (62, 329), (71, 425), (79, 515), (90, 557),

Gene: Rockne_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for Rockne_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (79, 514), (90, 556),

Gene: Royals2015_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for Royals2015_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (75, 439), (79, 514), (90, 556),

Gene: SG4_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for SG4_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (75, 439), (79, 514), (90, 556),

Gene: SPB78_1 Start: 51220, Stop: 426, Start Num: 15

Candidate Starts for SPB78_1:

(7, 51184), (Start: 15 @51220 has 22 MA's), (17, 51229), (Start: 32 @51298 has 1 MA's), (47, 51373), (51, 51406), (73, 51580),

Gene: Sabbb_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for Sabbb_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (79, 514), (90, 556),

Gene: Salvus_5 Start: 1624, Stop: 2100, Start Num: 22

Candidate Starts for Salvus_5:

(11, 1576), (Start: 22 @1624 has 2 MA's), (36, 1687), (37, 1690), (Start: 43 @1720 has 5 MA's), (54, 1822), (78, 2047), (83, 2068), (86, 2077),

Gene: Sandalphon_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for Sandalphon_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (79, 514), (90, 556),

Gene: SassyB_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for SassyB_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (75, 439), (79, 514), (90, 556),

Gene: Shauna1_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for Shauna1_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (75, 439), (79, 514), (90, 556),

Gene: SheckWes_1 Start: 98, Stop: 547, Start Num: 24

Candidate Starts for SheckWes_1:

(Start: 14 @56 has 20 MA's), (Start: 24 @98 has 2 MA's), (Start: 34 @146 has 1 MA's), (49, 221), (50, 224), (55, 272), (57, 284), (68, 359), (69, 365), (72, 404), (74, 413), (77, 434),

Gene: ShroomBoi_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for ShroomBoi_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (75, 439), (79, 514), (90, 556),

Gene: SketchMex_1 Start: 52, Stop: 534, Start Num: 13

Candidate Starts for SketchMex_1:

(7, 22), (Start: 13 @52 has 19 MA's), (Start: 24 @97 has 2 MA's), (44, 187), (50, 223), (52, 241), (55, 271), (69, 364), (74, 412), (88, 523),

Gene: Socotra_1 Start: 52, Stop: 543, Start Num: 13

Candidate Starts for Socotra_1:

(7, 22), (Start: 13 @52 has 19 MA's), (Start: 24 @97 has 2 MA's), (44, 187), (50, 223), (52, 241), (55, 271), (63, 319), (69, 364),

Gene: Sopespian_1 Start: 52, Stop: 543, Start Num: 13

Candidate Starts for Sopespian_1:

(7, 22), (Start: 13 @52 has 19 MA's), (Start: 24 @97 has 2 MA's), (44, 187), (50, 223), (55, 271), (63, 319), (69, 364),

Gene: Sparkdehlily_1 Start: 110, Stop: 565, Start Num: 21

Candidate Starts for Sparkdehlily_1:

(Start: 21 @110 has 63 MA's), (28, 137), (35, 176), (40, 194), (41, 197), (48, 236), (49, 242), (53, 275), (58, 311), (60, 320), (61, 326), (62, 329), (69, 389), (79, 515), (90, 557),

Gene: StAnnes_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for StAnnes_1:

(Start: 21 @109 has 63 MA's), (28, 136), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (75, 439), (79, 514), (90, 556),

Gene: Starburst_1 Start: 52, Stop: 543, Start Num: 13

Candidate Starts for Starburst_1:

(7, 22), (Start: 13 @52 has 19 MA's), (Start: 24 @97 has 2 MA's), (44, 187), (50, 223), (52, 241), (55, 271), (63, 319), (69, 364),

Gene: SteamedHams_1 Start: 59, Stop: 535, Start Num: 15

Candidate Starts for SteamedHams_1:

(6, 14), (Start: 15 @59 has 22 MA's), (27, 107), (44, 188), (52, 242), (55, 272), (69, 365), (74, 413), (88, 524),

Gene: SummitAcademy_1 Start: 56, Stop: 547, Start Num: 14

Candidate Starts for SummitAcademy_1:

(Start: 14 @56 has 20 MA's), (Start: 24 @98 has 2 MA's), (Start: 34 @146 has 1 MA's), (49, 221), (50, 224), (55, 272), (68, 359), (69, 365), (72, 404), (74, 413), (77, 434),

Gene: SuperGrey_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for SuperGrey_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (75, 439), (79, 514), (90, 556),

Gene: Survivors_2 Start: 426, Stop: 911, Start Num: 14

Candidate Starts for Survivors_2:

(9, 399), (Start: 14 @426 has 20 MA's), (Start: 32 @507 has 1 MA's), (55, 660), (59, 681), (69, 753), (72, 792),

Gene: SweatNTears_2 Start: 757, Stop: 1155, Start Num: 32

Candidate Starts for SweatNTears_2:

(Start: 15 @679 has 22 MA's), (Start: 32 @757 has 1 MA's), (44, 808), (52, 862), (55, 892), (57, 904), (63, 940), (69, 985), (88, 1144),

Gene: TDanisky_1 Start: 110, Stop: 565, Start Num: 21

Candidate Starts for TDanisky_1:

(Start: 21 @110 has 63 MA's), (28, 137), (35, 176), (40, 194), (41, 197), (48, 236), (49, 242), (53, 275), (58, 311), (60, 320), (61, 326), (62, 329), (69, 389), (79, 515), (90, 557),

Gene: Taj_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for Taj_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (79, 514), (90, 556),

Gene: Tesla_32 Start: 10046, Stop: 10480, Start Num: 26

Candidate Starts for Tesla_32:

(2, 9911), (Start: 26 @10046 has 11 MA's), (Start: 43 @10127 has 5 MA's), (56, 10247), (61, 10277), (69, 10337), (81, 10472),

Gene: Tolls_1 Start: 59, Stop: 535, Start Num: 15

Candidate Starts for Tolls_1:

(6, 14), (Start: 15 @59 has 22 MA's), (27, 107), (44, 188), (52, 242), (55, 272), (63, 320), (69, 365), (74, 413), (88, 524),

Gene: Topiatin_3 Start: 754, Stop: 1212, Start Num: 20

Candidate Starts for Topiatin_3:

(Start: 20 @754 has 6 MA's), (28, 784), (35, 823), (40, 841), (Start: 43 @856 has 5 MA's), (45, 868), (46, 871), (48, 883), (49, 889), (53, 922), (60, 967), (61, 973), (62, 976), (71, 1072), (79, 1162), (90, 1204),

Gene: Troje_1 Start: 53, Stop: 535, Start Num: 13

Candidate Starts for Troje_1:

(6, 14), (Start: 13 @53 has 19 MA's), (Start: 24 @98 has 2 MA's), (44, 188), (52, 242), (55, 272), (69, 365), (74, 413), (88, 524),

Gene: Tweety_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for Tweety_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (75, 439), (79, 514), (90, 556),

Gene: Typhonomachy_1 Start: 52, Stop: 543, Start Num: 13

Candidate Starts for Typhonomachy_1:

(7, 22), (Start: 13 @52 has 19 MA's), (Start: 24 @97 has 2 MA's), (44, 187), (50, 223), (52, 241), (55, 271), (63, 319), (69, 364),

Gene: VWB_1 Start: 1, Stop: 480, Start Num: 15

Candidate Starts for VWB_1:

(Start: 15 @1 has 22 MA's), (17, 10), (31, 76), (47, 154), (51, 187), (73, 361), (74, 364),

Gene: VasuNzinga_33 Start: 9630, Stop: 10064, Start Num: 26

Candidate Starts for VasuNzinga_33:

(2, 9495), (Start: 26 @9630 has 11 MA's), (Start: 43 @9711 has 5 MA's), (56, 9831), (61, 9861), (69, 9921), (81, 10056),

Gene: Veteran_1 Start: 110, Stop: 565, Start Num: 21

Candidate Starts for Veteran_1:

(8, 50), (Start: 21 @110 has 63 MA's), (28, 137), (35, 176), (40, 194), (Start: 43 @209 has 5 MA's), (45, 221), (46, 224), (48, 236), (49, 242), (53, 275), (60, 320), (61, 326), (62, 329), (71, 425), (75, 440), (79, 515), (90, 557),

Gene: Vine_2 Start: 681, Stop: 1172, Start Num: 14

Candidate Starts for Vine_2:

(Start: 14 @681 has 20 MA's), (27, 732), (Start: 32 @762 has 1 MA's), (44, 813), (50, 849), (55, 897), (57, 909), (63, 945), (68, 984), (69, 990), (72, 1029), (74, 1038), (77, 1059),

Gene: Wee_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for Wee_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (75, 439), (79, 514), (90, 556),

Gene: Whatsapiecost_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for Whatsapiecost_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (79, 514), (90, 556),

Gene: Wolfwood_2 Start: 425, Stop: 922, Start Num: 14

Candidate Starts for Wolfwood_2:

(9, 398), (Start: 14 @425 has 20 MA's), (Start: 32 @506 has 1 MA's), (55, 659), (59, 680), (69, 752), (72, 791), (85, 899),

Gene: XFactor_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for XFactor_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (75, 439), (79, 514), (90, 556),

Gene: Yakult_1 Start: 48, Stop: 503, Start Num: 15

Candidate Starts for Yakult_1:

(Start: 15 @48 has 22 MA's), (Start: 34 @135 has 1 MA's), (44, 177), (55, 261), (69, 354), (74, 402), (82, 489),

Gene: Yarn_1 Start: 59, Stop: 535, Start Num: 15

Candidate Starts for Yarn_1:

(6, 14), (Start: 15 @59 has 22 MA's), (27, 107), (44, 188), (52, 242), (55, 272), (63, 320), (69, 365), (74, 413), (88, 524),

Gene: Yucky_1 Start: 56, Stop: 547, Start Num: 14

Candidate Starts for Yucky_1:

(Start: 14 @56 has 20 MA's), (Start: 24 @98 has 2 MA's), (Start: 34 @146 has 1 MA's), (50, 224), (55, 272), (57, 284), (68, 359), (69, 365), (72, 404), (74, 413), (77, 434),

Gene: Yummy_1 Start: 53, Stop: 535, Start Num: 13

Candidate Starts for Yummy_1:

(6, 14), (Start: 13 @53 has 19 MA's), (Start: 24 @98 has 2 MA's), (44, 188), (52, 242), (55, 272), (69, 365), (74, 413), (88, 524),

Gene: Zareef_2 Start: 426, Stop: 923, Start Num: 14

Candidate Starts for Zareef_2:

(9, 399), (Start: 14 @426 has 20 MA's), (Start: 32 @507 has 1 MA's), (55, 660), (59, 681), (69, 753), (72, 792), (85, 900),

Gene: Zizzle_1 Start: 109, Stop: 564, Start Num: 21

Candidate Starts for Zizzle_1:

(Start: 21 @109 has 63 MA's), (28, 136), (35, 175), (40, 193), (Start: 43 @208 has 5 MA's), (45, 220), (46, 223), (48, 235), (49, 241), (53, 274), (60, 319), (61, 325), (62, 328), (71, 424), (75, 439), (79, 514), (90, 556),