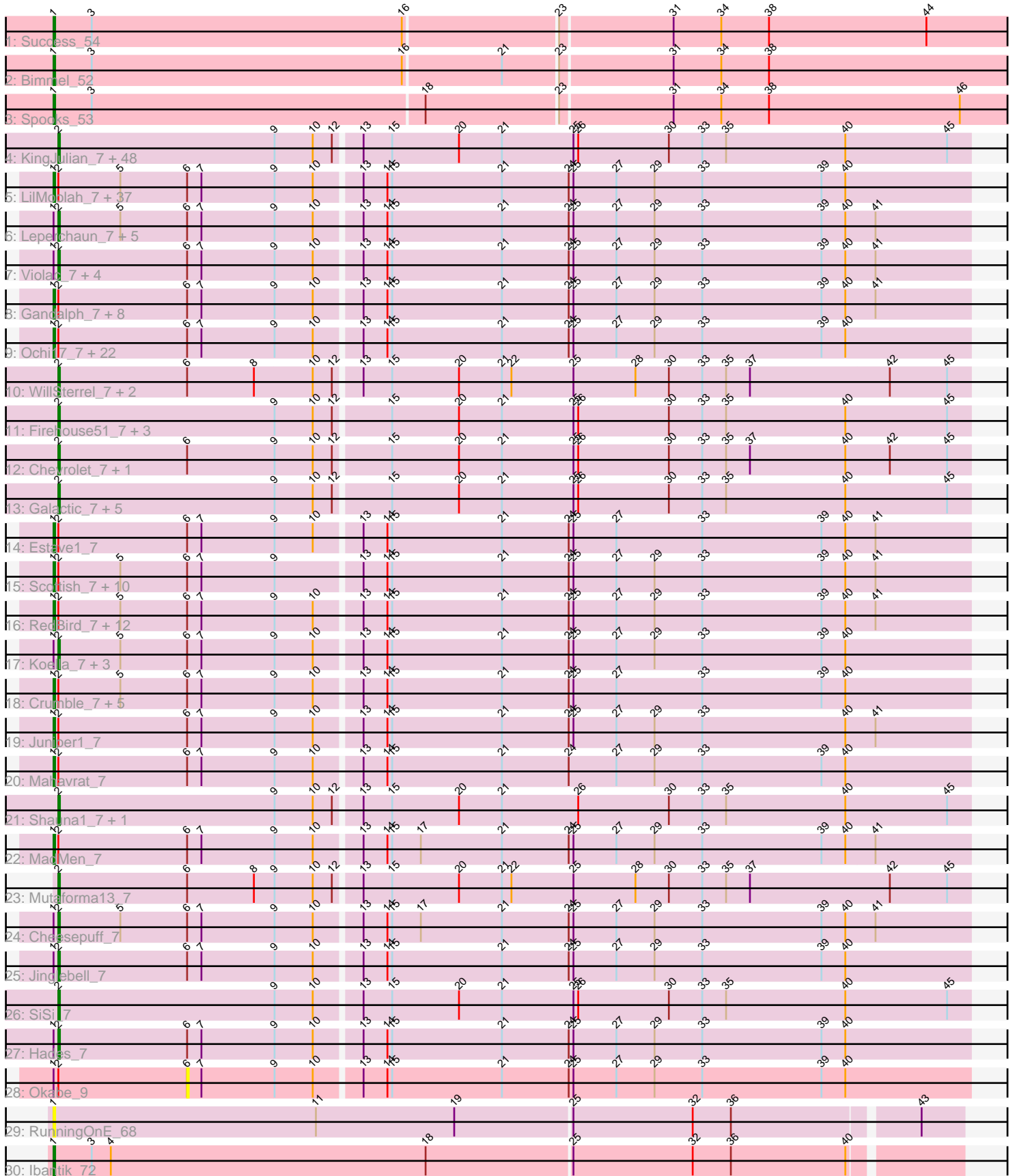


Pham 311250



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 311250 Report

This analysis was run 06/27/26 on database version 652.

Pham number 311250 has 196 members, 20 are drafts.

Phages represented in each track:

- Track 1 : Success\_54
- Track 2 : Bimmel\_52
- Track 3 : Spooks\_53
- Track 4 : KingJulian\_7, Tweety\_7, Guppsters\_7, DotProduct\_7, PopTart\_7, Corium\_7, Kenuha5\_7, QuickMath\_7, Topiatin\_9, Medindi\_7, PatoPoderoso\_7, Krakatau\_8, Rita\_7, Ardmore\_7, DeadP\_7, Ovechkin\_7, SuperGrey\_7, PhesterPhotato\_7, Akhila\_8, Bipolar\_7, Melissauren88\_7, Chuckly\_7, Jant\_7, IMpilo\_7, Taj\_7, MilleniumForce\_8, ShroomBoi\_7, Emma\_7, Ms6\_7, DoRead\_7, EleanorGeorge\_7, StAnnes\_7, Hamulus\_7, DillTech15\_7, MinionDave\_8, MilanaBonita\_8, XFactor\_7, Clank\_7, SassyB\_7, Fruitloop\_7, Wee\_7, Aubs\_7, Batiatus\_7, SG4\_7, Filuzino\_7, Phalconet\_7, Whatsapiecost\_7, DLane\_7, CaptainTrips\_8
- Track 5 : LilMoolah\_7, SwagPiggett\_7, Kersh\_7, EmiMonkey\_7, Dante\_7, Sandalphon\_7, Eradicator\_7, ByChance\_7, Zizzle\_7, Brocalys\_7, FreddyB\_7, Phatniss\_7, Zerg\_7, Saal\_7, Minnie\_7, Mantra\_7, Llij\_7, Clifton\_7, GigiOuiOui\_7, Jennelsea\_7, Lizziana\_7, Doug\_7, ShiLan\_7, Vivum\_7, NormanBulbieJr\_7, Maravista\_7, ShowerHandel\_7, Yorick\_7, Rockne\_7, PhlipPhlop\_7, Burwell21\_7, Jarcob\_7, Martik\_7, Priscilla\_7, Philus\_7, PMC\_7, Moonbeam\_7, VRedHorse\_7
- Track 6 : Leperchaun\_7, BodEinwohner17\_7, Che8\_7, Daenerys\_7, Sassafras\_7, DRBy19\_7
- Track 7 : Violac\_7, MisterCuddles\_7, Phasih\_7, Harley\_7, Girr\_7
- Track 8 : Gandalph\_7, Eish\_7, Wachhund\_7, Ibhubesi\_7, Spoonbill\_7, Sabbb\_7, Whouxphf\_7, Byougenkin\_7, Ruby\_7
- Track 9 : Ochi17\_7, Mattes\_7, Nichirin\_7, Strokeseat\_7, BobaPhett\_7, Karhdo\_7, Seabastian\_7, Veteran\_7, LastJedi\_7, Llama\_7, Fancypants\_7, Grimmer\_8, AlpineSix\_7, Modragons\_7, Hlubikazi\_7, GUmbie\_7, Latretium\_7, Mandlovu\_7, OfUltron\_7, MulchSalad\_7, Fastidio\_7, James\_7, Cabrinians\_7
- Track 10 : WillSterrel\_7, IrishSherpFalk\_7, Spartacus\_7
- Track 11 : Firehouse51\_7, KristaRAM\_8, Mwanjiwa\_7, Royals2015\_7
- Track 12 : Chevrolet\_7, ArcusAngelus\_7
- Track 13 : Galactic\_7, LunaBlu\_7, NewHope4\_7, Enzomatic\_8, Polo2Bam\_8, SeaLumen\_7
- Track 14 : Estave1\_7
- Track 15 : Scottish\_7, Nimbo\_7, KingMidas\_7, Empress\_7, Blexus\_7, OldBen\_7, DaddyRickover\_7, Geralt\_7, BlueCrab\_7, RitaG\_7, Deb65\_7
- Track 16 : RedBird\_7, PHappiness\_7, JoeyJr\_7, Dorothy\_7, Radiance\_7, Inventum\_7, Sparkdehlily\_7, Doomphist\_7, TDanisky\_7, Pacc40\_7, Poenanya\_7,

Polka14\_7, IbOuu\_7

- Track 17 : Koella\_7, Gorge\_7, Pippy\_7, Nivrat\_7
- Track 18 : Crumble\_7, Nitzel\_8, Florinda\_7, Bubbles123\_7, OlympiaSaint\_7, Donkeykong\_7
- Track 19 : Juniper1\_7
- Track 20 : Mahavrat\_7
- Track 21 : Shauna1\_7, Phanphagia\_7
- Track 22 : MadMen\_7
- Track 23 : Mutaforma13\_7
- Track 24 : Cheesepuff\_7
- Track 25 : Jinglebell\_7
- Track 26 : SiSi\_7
- Track 27 : Hades\_7
- Track 28 : Okabe\_9
- Track 29 : RunningOnE\_68
- Track 30 : Ibantik\_72

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

The start number called the most often in the published annotations is 1, it was called in 103 of the 176 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AlpineSix\_7, Bimmel\_52, Blexus\_7, BlueCrab\_7, BobaPhett\_7, Brocalys\_7, Bubbles123\_7, Burwell21\_7, ByChance\_7, Byougenkin\_7, Cabrinians\_7, Clifton\_7, Crumble\_7, DaddyRickover\_7, Dante\_7, Deb65\_7, Donkeykong\_7, Doomphist\_7, Dorothy\_7, Doug\_7, Eish\_7, EmiMonkey\_7, Empress\_7, Eradicator\_7, Estave1\_7, Fancypants\_7, Fastidio\_7, Florinda\_7, FreddyB\_7, GUmbe\_7, Gandalph\_7, Geralt\_7, GigiOuiOui\_7, Grimmer\_8, Hlubikazi\_7, IbOuu\_7, Ibantik\_72, Ibhubesi\_7, Inventum\_7, James\_7, Jarcob\_7, Jennelsea\_7, JoeyJr\_7, Juniper1\_7, Karhdo\_7, Kersh\_7, KingMidas\_7, LastJedi\_7, Latretium\_7, LilMoolah\_7, Lizziana\_7, Llama\_7, Llij\_7, MadMen\_7, Mahavrat\_7, Mandlovu\_7, Mantra\_7, Maravista\_7, Martik\_7, Mattes\_7, Minnie\_7, Modragons\_7, Moonbeam\_7, MulchSalad\_7, Nichirin\_7, Nimbo\_7, Nitzel\_8, NormanBulbieJr\_7, Ochi17\_7, OfUltron\_7, OldBen\_7, OlympiaSaint\_7, PHappiness\_7, PMC\_7, Pacc40\_7, Phatniss\_7, Philus\_7, PhilipPhlop\_7, Poenanya\_7, Polka14\_7, Priscilla\_7, Radiance\_7, RedBird\_7, RitaG\_7, Rockne\_7, Ruby\_7, RunningOnE\_68, Saal\_7, Sabbb\_7, Sandalphon\_7, Scottish\_7, Sebastian\_7, ShiLan\_7, ShowerHandel\_7, Sparkdehlily\_7, Spooks\_53, Spoonbill\_7, Strokeseat\_7, Success\_54, SwagPigglett\_7, TDanisky\_7, VRedHorse\_7, Veteran\_7, Vivum\_7, Wachhund\_7, Whouxphf\_7, Yorick\_7, Zerg\_7, Zizzle\_7,

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

- BodEinwohner17\_7, Che8\_7, Cheesepuff\_7, DRBy19\_7, Daenerys\_7, Girr\_7, Gorge\_7, Hades\_7, Harley\_7, Jinglebell\_7, Koella\_7, Leperchaun\_7, MisterCuddles\_7, Nivrat\_7, Okabe\_9, Phasih\_7, Pippy\_7, Sassafras\_7, Violac\_7,

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

- Akhila\_8, ArcusAngelus\_7, Ardmore\_7, Aubs\_7, Batiatus\_7, Bipolar\_7, CaptainTrips\_8, Chevrolet\_7, Chuckly\_7, Clank\_7, Corium\_7, DLane\_7, DeadP\_7,

DillTech15\_7, DoRead\_7, DotProduct\_7, EleanorGeorge\_7, Emma\_7, Enzomatic\_8, Filuzino\_7, Firehouse51\_7, Fruitloop\_7, Galactic\_7, Guppsters\_7, Hamulus\_7, IMpilo\_7, IrishSherpFalk\_7, Jant\_7, Kenuha5\_7, KingJulian\_7, Krakatau\_8, KristaRAM\_8, LunaBlu\_7, Medindi\_7, Melissauren88\_7, MilanaBonita\_8, MilleniumForce\_8, MinionDave\_8, Ms6\_7, Mutaforma13\_7, Mwanjiwa\_7, NewHope4\_7, Ovechkin\_7, PatoPoderoso\_7, Phalconet\_7, Phanphagia\_7, PhesterPhotato\_7, Polo2Bam\_8, PopTart\_7, QuickMath\_7, Rita\_7, Royals2015\_7, SG4\_7, SassyB\_7, SeaLumen\_7, Shauna1\_7, ShroomBoi\_7, SiSi\_7, Spartacus\_7, StAnnes\_7, SuperGrey\_7, Taj\_7, Topiatin\_9, Tweety\_7, Wee\_7, Whatsapiecost\_7, WillSterrel\_7, XFactor\_7,

### Summary by start number:

#### Start 1:

- Found in 128 of 196 ( 65.3% ) of genes in pham
- Manual Annotations of this start: 103 of 176
- Called 85.2% of time when present
- Phage (with cluster) where this start called: AlpineSix\_7 (F1), Bimmel\_52 (BT), Blexus\_7 (F1), BlueCrab\_7 (F1), BobaPhett\_7 (F1), Brocalys\_7 (F1), Bubbles123\_7 (F1), Burwell21\_7 (F1), ByChance\_7 (F1), Byougenkin\_7 (F1), Cabrinians\_7 (F1), Clifton\_7 (F1), Crumble\_7 (F1), DaddyRickover\_7 (F1), Dante\_7 (F1), Deb65\_7 (F1), Donkeykong\_7 (F1), Doomphist\_7 (F1), Dorothy\_7 (F1), Doug\_7 (F1), Eish\_7 (F1), EmiMonkey\_7 (F1), Empress\_7 (F1), Eradicator\_7 (F1), Estave1\_7 (F1), Fancypants\_7 (F1), Fastidio\_7 (F1), Florinda\_7 (F1), FreddyB\_7 (F1), GUmbie\_7 (F1), Gandolph\_7 (F1), Geralt\_7 (F1), GigiOuiOui\_7 (F1), Grimmer\_8 (F1), Hlubikazi\_7 (F1), IbOuu\_7 (F1), Ibantik\_72 (singleton), Ibhubes\_i\_7 (F1), Inventum\_7 (F1), James\_7 (F1), Jarcob\_7 (F1), Jennelsea\_7 (F1), JoeyJr\_7 (F1), Juniper1\_7 (F1), Karhdo\_7 (F1), Kersh\_7 (F1), KingMidas\_7 (F1), LastJedi\_7 (F1), Latretium\_7 (F1), LilMoolah\_7 (F1), Lizziana\_7 (F1), Llama\_7 (F1), Llij\_7 (F1), MadMen\_7 (F1), Mahavrat\_7 (F1), Mandlovu\_7 (F1), Mantra\_7 (F1), Maravista\_7 (F1), Martik\_7 (F1), Mattes\_7 (F1), Minnie\_7 (F1), Modragons\_7 (F1), Moonbeam\_7 (F1), MulchSalad\_7 (F7), Nichirin\_7 (F1), Nimbo\_7 (F1), Nitzel\_8 (F1), NormanBulbieJr\_7 (F1), Ochi17\_7 (F1), OfUltron\_7 (F1), OldBen\_7 (F1), OlympiaSaint\_7 (F1), PHappiness\_7 (F1), PMC\_7 (F1), Pacc40\_7 (F1), Phatniss\_7 (F1), Philus\_7 (F1), PhilipPhlop\_7 (F1), Poenanya\_7 (F1), Polka14\_7 (F1), Priscilla\_7 (F1), Radiance\_7 (F1), RedBird\_7 (F1), RitaG\_7 (F1), Rockne\_7 (F1), Ruby\_7 (F1), RunningOnE\_68 (UNK), Saal\_7 (F1), Sabb\_7 (F1), Sandalphon\_7 (F1), Scottish\_7 (F1), Seabastian\_7 (F1), ShiLan\_7 (F1), ShowerHandel\_7 (F1), Sparkdehlily\_7 (F1), Spooks\_53 (BT), Spoonbill\_7 (F1), Strokeseat\_7 (F1), Success\_54 (BT), SwagPiggett\_7 (F1), TDanisky\_7 (F1), VRedHorse\_7 (F1), Veteran\_7 (F1), Vivum\_7 (F1), Wachhund\_7 (F1), Whouxphf\_7 (F1), Yorick\_7 (F1), Zerg\_7 (F1), Zizzle\_7 (F1),

#### Start 2:

- Found in 191 of 196 ( 97.4% ) of genes in pham
- Manual Annotations of this start: 73 of 176
- Called 45.0% of time when present
- Phage (with cluster) where this start called: Akhila\_8 (F1), ArcusAngelus\_7 (F1), Ardmore\_7 (F1), Aubs\_7 (F1), Batiatus\_7 (F1), Bipolar\_7 (F1), BodEinwohner17\_7 (F1), CaptainTrips\_8 (F1), Che8\_7 (F1), CheesePuff\_7 (F1), Chevrolet\_7 (F1), Chuckly\_7 (F1), Clank\_7 (F), Corium\_7 (F1), DLane\_7 (F1), DRBy19\_7 (F1), Daenerys\_7 (F1), DeadP\_7 (F1), DillTech15\_7 (F1), DoRead\_7 (F1), DotProduct\_7 (F1), EleanorGeorge\_7 (F1), Emma\_7 (F1), Enzomatic\_8 (F1), Filuzino\_7 (F1), Firehouse51\_7 (F1), Fruitloop\_7 (F1), Galactic\_7 (F1), Girr\_7 (F1), Gorge\_7 (F1),

Guppsters\_7 (F1), Hades\_7 (F1), Hamulus\_7 (F1), Harley\_7 (F1), IMpilo\_7 (F1), IrishSherpFalk\_7 (F1), Jant\_7 (F1), Jinglebell\_7 (F1), Kenuha5\_7 (F1), KingJulian\_7 (F1), Koella\_7 (F1), Krakatau\_8 (F1), KristaRAM\_8 (F1), Leperchaun\_7 (F1), LunaBlu\_7 (F1), Medindi\_7 (F1), Melissauren88\_7 (F1), MilanaBonita\_8 (F1), MilleniumForce\_8 (F1), MinionDave\_8 (F1), MisterCuddles\_7 (F1), Ms6\_7 (F1), Mutaforma13\_7 (F1), Mwanjiwa\_7 (F1), NewHope4\_7 (F1), Nivrat\_7 (F1), Ovechkin\_7 (F1), PatoPoderoso\_7 (F1), Phalconet\_7 (F1), Phanphagia\_7 (F1), Phasih\_7 (F1), PhesterPhotato\_7 (F1), Pippy\_7 (F1), Polo2Bam\_8 (F1), PopTart\_7 (F1), QuickMath\_7 (F1), Rita\_7 (F1), Royals2015\_7 (F1), SG4\_7 (F1), Sassafras\_7 (F1), SassyB\_7 (F1), SeaLumen\_7 (F1), Shauna1\_7 (F1), ShroomBoi\_7 (F1), SiSi\_7 (F1), Spartacus\_7 (F1), StAnnes\_7 (F1), SuperGrey\_7 (F1), Taj\_7 (F1), Topiatin\_9 (F1), Tweety\_7 (F1), Violac\_7 (F1), Wee\_7 (F1), Whatsapiecost\_7 (F1), WillSterrel\_7 (F1), XFactor\_7 (F1),

Start 6:

- Found in 129 of 196 ( 65.8% ) of genes in pham
- No Manual Annotations of this start.
- Called 0.8% of time when present
- Phage (with cluster) where this start called: Okabe\_9 (F8),

### Summary by clusters:

There are 7 clusters represented in this pham: F1, singleton, F, F8, F7, BT, UNK,

Info for manual annotations of cluster BT:

- Start number 1 was manually annotated 3 times for cluster BT.

Info for manual annotations of cluster F1:

- Start number 1 was manually annotated 99 times for cluster F1.
- Start number 2 was manually annotated 73 times for cluster F1.

### Gene Information:

Gene: Akhila\_8 Start: 6531, Stop: 7097, Start Num: 2

Candidate Starts for Akhila\_8:

(Start: 2 @6531 has 73 MA's), (9, 6666), (10, 6690), (12, 6702), (13, 6717), (15, 6735), (20, 6777), (21, 6804), (25, 6849), (26, 6852), (30, 6909), (33, 6930), (35, 6945), (40, 7020), (45, 7083),

Gene: AlpineSix\_7 Start: 5876, Stop: 6445, Start Num: 1

Candidate Starts for AlpineSix\_7:

(Start: 1 @5876 has 103 MA's), (Start: 2 @5879 has 73 MA's), (6, 5960), (7, 5969), (9, 6014), (10, 6038), (13, 6065), (14, 6080), (15, 6083), (21, 6152), (24, 6194), (25, 6197), (27, 6224), (29, 6248), (33, 6278), (39, 6353), (40, 6368),

Gene: ArcusAngelus\_7 Start: 5873, Stop: 6439, Start Num: 2

Candidate Starts for ArcusAngelus\_7:

(Start: 2 @5873 has 73 MA's), (6, 5954), (9, 6008), (10, 6032), (12, 6044), (15, 6077), (20, 6119), (21, 6146), (25, 6191), (26, 6194), (30, 6251), (33, 6272), (35, 6287), (37, 6302), (40, 6362), (42, 6389), (45, 6425),

Gene: Ardmore\_7 Start: 5883, Stop: 6449, Start Num: 2

Candidate Starts for Ardmore\_7:

(Start: 2 @5883 has 73 MA's), (9, 6018), (10, 6042), (12, 6054), (13, 6069), (15, 6087), (20, 6129), (21, 6156), (25, 6201), (26, 6204), (30, 6261), (33, 6282), (35, 6297), (40, 6372), (45, 6435),

Gene: Aubs\_7 Start: 5883, Stop: 6449, Start Num: 2

Candidate Starts for Aubs\_7:

(Start: 2 @5883 has 73 MA's), (9, 6018), (10, 6042), (12, 6054), (13, 6069), (15, 6087), (20, 6129), (21, 6156), (25, 6201), (26, 6204), (30, 6261), (33, 6282), (35, 6297), (40, 6372), (45, 6435),

Gene: Batiatus\_7 Start: 5883, Stop: 6449, Start Num: 2

Candidate Starts for Batiatus\_7:

(Start: 2 @5883 has 73 MA's), (9, 6018), (10, 6042), (12, 6054), (13, 6069), (15, 6087), (20, 6129), (21, 6156), (25, 6201), (26, 6204), (30, 6261), (33, 6282), (35, 6297), (40, 6372), (45, 6435),

Gene: Bimmel\_52 Start: 30092, Stop: 30691, Start Num: 1

Candidate Starts for Bimmel\_52:

(Start: 1 @30092 has 103 MA's), (3, 30116), (16, 30311), (21, 30371), (23, 30404), (31, 30473), (34, 30503), (38, 30533),

Gene: Bipolar\_7 Start: 5883, Stop: 6449, Start Num: 2

Candidate Starts for Bipolar\_7:

(Start: 2 @5883 has 73 MA's), (9, 6018), (10, 6042), (12, 6054), (13, 6069), (15, 6087), (20, 6129), (21, 6156), (25, 6201), (26, 6204), (30, 6261), (33, 6282), (35, 6297), (40, 6372), (45, 6435),

Gene: Blexus\_7 Start: 5893, Stop: 6462, Start Num: 1

Candidate Starts for Blexus\_7:

(Start: 1 @5893 has 103 MA's), (Start: 2 @5896 has 73 MA's), (5, 5935), (6, 5977), (7, 5986), (9, 6031), (13, 6082), (14, 6097), (15, 6100), (21, 6169), (24, 6211), (25, 6214), (27, 6241), (29, 6265), (33, 6295), (39, 6370), (40, 6385), (41, 6403),

Gene: BlueCrab\_7 Start: 5877, Stop: 6446, Start Num: 1

Candidate Starts for BlueCrab\_7:

(Start: 1 @5877 has 103 MA's), (Start: 2 @5880 has 73 MA's), (5, 5919), (6, 5961), (7, 5970), (9, 6015), (13, 6066), (14, 6081), (15, 6084), (21, 6153), (24, 6195), (25, 6198), (27, 6225), (29, 6249), (33, 6279), (39, 6354), (40, 6369), (41, 6387),

Gene: BobaPhett\_7 Start: 5869, Stop: 6438, Start Num: 1

Candidate Starts for BobaPhett\_7:

(Start: 1 @5869 has 103 MA's), (Start: 2 @5872 has 73 MA's), (6, 5953), (7, 5962), (9, 6007), (10, 6031), (13, 6058), (14, 6073), (15, 6076), (21, 6145), (24, 6187), (25, 6190), (27, 6217), (29, 6241), (33, 6271), (39, 6346), (40, 6361),

Gene: BodEinwohner17\_7 Start: 5880, Stop: 6446, Start Num: 2

Candidate Starts for BodEinwohner17\_7:

(Start: 1 @5877 has 103 MA's), (Start: 2 @5880 has 73 MA's), (5, 5919), (6, 5961), (7, 5970), (9, 6015), (10, 6039), (13, 6066), (14, 6081), (15, 6084), (21, 6153), (24, 6195), (25, 6198), (27, 6225), (29, 6249), (33, 6279), (39, 6354), (40, 6369), (41, 6387),

Gene: Brocalys\_7 Start: 5866, Stop: 6435, Start Num: 1

Candidate Starts for Brocalys\_7:

(Start: 1 @5866 has 103 MA's), (Start: 2 @5869 has 73 MA's), (5, 5908), (6, 5950), (7, 5959), (9, 6004), (10, 6028), (13, 6055), (14, 6070), (15, 6073), (21, 6142), (24, 6184), (25, 6187), (27, 6214), (29, 6238), (33, 6268), (39, 6343), (40, 6358),

Gene: Bubbles123\_7 Start: 5896, Stop: 6465, Start Num: 1

Candidate Starts for Bubbles123\_7:

(Start: 1 @5896 has 103 MA's), (Start: 2 @5899 has 73 MA's), (5, 5938), (6, 5980), (7, 5989), (9, 6034), (10, 6058), (13, 6085), (14, 6100), (15, 6103), (21, 6172), (24, 6214), (25, 6217), (27, 6244), (33, 6298), (39, 6373), (40, 6388),

Gene: Burwell21\_7 Start: 5877, Stop: 6446, Start Num: 1

Candidate Starts for Burwell21\_7:

(Start: 1 @5877 has 103 MA's), (Start: 2 @5880 has 73 MA's), (5, 5919), (6, 5961), (7, 5970), (9, 6015), (10, 6039), (13, 6066), (14, 6081), (15, 6084), (21, 6153), (24, 6195), (25, 6198), (27, 6225), (29, 6249), (33, 6279), (39, 6354), (40, 6369),

Gene: ByChance\_7 Start: 5879, Stop: 6448, Start Num: 1

Candidate Starts for ByChance\_7:

(Start: 1 @5879 has 103 MA's), (Start: 2 @5882 has 73 MA's), (5, 5921), (6, 5963), (7, 5972), (9, 6017), (10, 6041), (13, 6068), (14, 6083), (15, 6086), (21, 6155), (24, 6197), (25, 6200), (27, 6227), (29, 6251), (33, 6281), (39, 6356), (40, 6371),

Gene: Byougenkin\_7 Start: 5867, Stop: 6436, Start Num: 1

Candidate Starts for Byougenkin\_7:

(Start: 1 @5867 has 103 MA's), (Start: 2 @5870 has 73 MA's), (6, 5951), (7, 5960), (9, 6005), (10, 6029), (13, 6056), (14, 6071), (15, 6074), (21, 6143), (24, 6185), (25, 6188), (27, 6215), (29, 6239), (33, 6269), (39, 6344), (40, 6359), (41, 6377),

Gene: Cabrinians\_7 Start: 5869, Stop: 6438, Start Num: 1

Candidate Starts for Cabrinians\_7:

(Start: 1 @5869 has 103 MA's), (Start: 2 @5872 has 73 MA's), (6, 5953), (7, 5962), (9, 6007), (10, 6031), (13, 6058), (14, 6073), (15, 6076), (21, 6145), (24, 6187), (25, 6190), (27, 6217), (29, 6241), (33, 6271), (39, 6346), (40, 6361),

Gene: CaptainTrips\_8 Start: 6531, Stop: 7097, Start Num: 2

Candidate Starts for CaptainTrips\_8:

(Start: 2 @6531 has 73 MA's), (9, 6666), (10, 6690), (12, 6702), (13, 6717), (15, 6735), (20, 6777), (21, 6804), (25, 6849), (26, 6852), (30, 6909), (33, 6930), (35, 6945), (40, 7020), (45, 7083),

Gene: Che8\_7 Start: 5884, Stop: 6450, Start Num: 2

Candidate Starts for Che8\_7:

(Start: 1 @5881 has 103 MA's), (Start: 2 @5884 has 73 MA's), (5, 5923), (6, 5965), (7, 5974), (9, 6019), (10, 6043), (13, 6070), (14, 6085), (15, 6088), (21, 6157), (24, 6199), (25, 6202), (27, 6229), (29, 6253), (33, 6283), (39, 6358), (40, 6373), (41, 6391),

Gene: Cheesepuff\_7 Start: 5882, Stop: 6448, Start Num: 2

Candidate Starts for Cheesepuff\_7:

(Start: 1 @5879 has 103 MA's), (Start: 2 @5882 has 73 MA's), (5, 5921), (6, 5963), (7, 5972), (9, 6017), (10, 6041), (13, 6068), (14, 6083), (15, 6086), (17, 6104), (21, 6155), (24, 6197), (25, 6200), (27, 6227), (29, 6251), (33, 6281), (39, 6356), (40, 6371), (41, 6389),

Gene: Chevrolet\_7 Start: 5873, Stop: 6439, Start Num: 2

Candidate Starts for Chevrolet\_7:

(Start: 2 @5873 has 73 MA's), (6, 5954), (9, 6008), (10, 6032), (12, 6044), (15, 6077), (20, 6119), (21, 6146), (25, 6191), (26, 6194), (30, 6251), (33, 6272), (35, 6287), (37, 6302), (40, 6362), (42, 6389), (45, 6425),

Gene: Chuckly\_7 Start: 5883, Stop: 6449, Start Num: 2

Candidate Starts for Chuckly\_7:

(Start: 2 @5883 has 73 MA's), (9, 6018), (10, 6042), (12, 6054), (13, 6069), (15, 6087), (20, 6129), (21, 6156), (25, 6201), (26, 6204), (30, 6261), (33, 6282), (35, 6297), (40, 6372), (45, 6435),

Gene: Clank\_7 Start: 5883, Stop: 6449, Start Num: 2

Candidate Starts for Clank\_7:

(Start: 2 @5883 has 73 MA's), (9, 6018), (10, 6042), (12, 6054), (13, 6069), (15, 6087), (20, 6129), (21, 6156), (25, 6201), (26, 6204), (30, 6261), (33, 6282), (35, 6297), (40, 6372), (45, 6435),

Gene: Clifton\_7 Start: 5865, Stop: 6434, Start Num: 1

Candidate Starts for Clifton\_7:

(Start: 1 @5865 has 103 MA's), (Start: 2 @5868 has 73 MA's), (5, 5907), (6, 5949), (7, 5958), (9, 6003), (10, 6027), (13, 6054), (14, 6069), (15, 6072), (21, 6141), (24, 6183), (25, 6186), (27, 6213), (29, 6237), (33, 6267), (39, 6342), (40, 6357),

Gene: Corium\_7 Start: 5884, Stop: 6450, Start Num: 2

Candidate Starts for Corium\_7:

(Start: 2 @5884 has 73 MA's), (9, 6019), (10, 6043), (12, 6055), (13, 6070), (15, 6088), (20, 6130), (21, 6157), (25, 6202), (26, 6205), (30, 6262), (33, 6283), (35, 6298), (40, 6373), (45, 6436),

Gene: Crumble\_7 Start: 5879, Stop: 6448, Start Num: 1

Candidate Starts for Crumble\_7:

(Start: 1 @5879 has 103 MA's), (Start: 2 @5882 has 73 MA's), (5, 5921), (6, 5963), (7, 5972), (9, 6017), (10, 6041), (13, 6068), (14, 6083), (15, 6086), (21, 6155), (24, 6197), (25, 6200), (27, 6227), (33, 6281), (39, 6356), (40, 6371),

Gene: DLane\_7 Start: 5884, Stop: 6450, Start Num: 2

Candidate Starts for DLane\_7:

(Start: 2 @5884 has 73 MA's), (9, 6019), (10, 6043), (12, 6055), (13, 6070), (15, 6088), (20, 6130), (21, 6157), (25, 6202), (26, 6205), (30, 6262), (33, 6283), (35, 6298), (40, 6373), (45, 6436),

Gene: DRBy19\_7 Start: 5896, Stop: 6462, Start Num: 2

Candidate Starts for DRBy19\_7:

(Start: 1 @5893 has 103 MA's), (Start: 2 @5896 has 73 MA's), (5, 5935), (6, 5977), (7, 5986), (9, 6031), (10, 6055), (13, 6082), (14, 6097), (15, 6100), (21, 6169), (24, 6211), (25, 6214), (27, 6241), (29, 6265), (33, 6295), (39, 6370), (40, 6385), (41, 6403),

Gene: DaddyRickover\_7 Start: 5877, Stop: 6446, Start Num: 1

Candidate Starts for DaddyRickover\_7:

(Start: 1 @5877 has 103 MA's), (Start: 2 @5880 has 73 MA's), (5, 5919), (6, 5961), (7, 5970), (9, 6015), (13, 6066), (14, 6081), (15, 6084), (21, 6153), (24, 6195), (25, 6198), (27, 6225), (29, 6249), (33, 6279), (39, 6354), (40, 6369), (41, 6387),

Gene: Daenerys\_7 Start: 5880, Stop: 6446, Start Num: 2

Candidate Starts for Daenerys\_7:

(Start: 1 @5877 has 103 MA's), (Start: 2 @5880 has 73 MA's), (5, 5919), (6, 5961), (7, 5970), (9, 6015), (10, 6039), (13, 6066), (14, 6081), (15, 6084), (21, 6153), (24, 6195), (25, 6198), (27, 6225), (29, 6249), (33, 6279), (39, 6354), (40, 6369), (41, 6387),

Gene: Dante\_7 Start: 5894, Stop: 6463, Start Num: 1

Candidate Starts for Dante\_7:

(Start: 1 @5894 has 103 MA's), (Start: 2 @5897 has 73 MA's), (5, 5936), (6, 5978), (7, 5987), (9, 6032), (10, 6056), (13, 6083), (14, 6098), (15, 6101), (21, 6170), (24, 6212), (25, 6215), (27, 6242), (29, 6266), (33, 6296), (39, 6371), (40, 6386),

Gene: DeadP\_7 Start: 5883, Stop: 6449, Start Num: 2

Candidate Starts for DeadP\_7:

(Start: 2 @5883 has 73 MA's), (9, 6018), (10, 6042), (12, 6054), (13, 6069), (15, 6087), (20, 6129), (21, 6156), (25, 6201), (26, 6204), (30, 6261), (33, 6282), (35, 6297), (40, 6372), (45, 6435),

Gene: Deb65\_7 Start: 5877, Stop: 6446, Start Num: 1

Candidate Starts for Deb65\_7:

(Start: 1 @5877 has 103 MA's), (Start: 2 @5880 has 73 MA's), (5, 5919), (6, 5961), (7, 5970), (9, 6015), (13, 6066), (14, 6081), (15, 6084), (21, 6153), (24, 6195), (25, 6198), (27, 6225), (29, 6249), (33, 6279), (39, 6354), (40, 6369), (41, 6387),

Gene: DillTech15\_7 Start: 5883, Stop: 6449, Start Num: 2

Candidate Starts for DillTech15\_7:

(Start: 2 @5883 has 73 MA's), (9, 6018), (10, 6042), (12, 6054), (13, 6069), (15, 6087), (20, 6129), (21, 6156), (25, 6201), (26, 6204), (30, 6261), (33, 6282), (35, 6297), (40, 6372), (45, 6435),

Gene: DoRead\_7 Start: 5871, Stop: 6437, Start Num: 2

Candidate Starts for DoRead\_7:

(Start: 2 @5871 has 73 MA's), (9, 6006), (10, 6030), (12, 6042), (13, 6057), (15, 6075), (20, 6117), (21, 6144), (25, 6189), (26, 6192), (30, 6249), (33, 6270), (35, 6285), (40, 6360), (45, 6423),

Gene: Donkeykong\_7 Start: 5896, Stop: 6465, Start Num: 1

Candidate Starts for Donkeykong\_7:

(Start: 1 @5896 has 103 MA's), (Start: 2 @5899 has 73 MA's), (5, 5938), (6, 5980), (7, 5989), (9, 6034), (10, 6058), (13, 6085), (14, 6100), (15, 6103), (21, 6172), (24, 6214), (25, 6217), (27, 6244), (33, 6298), (39, 6373), (40, 6388),

Gene: Doomphist\_7 Start: 5877, Stop: 6446, Start Num: 1

Candidate Starts for Doomphist\_7:

(Start: 1 @5877 has 103 MA's), (Start: 2 @5880 has 73 MA's), (5, 5919), (6, 5961), (7, 5970), (9, 6015), (10, 6039), (13, 6066), (14, 6081), (15, 6084), (21, 6153), (24, 6195), (25, 6198), (27, 6225), (29, 6249), (33, 6279), (39, 6354), (40, 6369), (41, 6387),

Gene: Dorothy\_7 Start: 5877, Stop: 6446, Start Num: 1

Candidate Starts for Dorothy\_7:

(Start: 1 @5877 has 103 MA's), (Start: 2 @5880 has 73 MA's), (5, 5919), (6, 5961), (7, 5970), (9, 6015), (10, 6039), (13, 6066), (14, 6081), (15, 6084), (21, 6153), (24, 6195), (25, 6198), (27, 6225), (29, 6249), (33, 6279), (39, 6354), (40, 6369), (41, 6387),

Gene: DotProduct\_7 Start: 5884, Stop: 6450, Start Num: 2

Candidate Starts for DotProduct\_7:

(Start: 2 @5884 has 73 MA's), (9, 6019), (10, 6043), (12, 6055), (13, 6070), (15, 6088), (20, 6130), (21, 6157), (25, 6202), (26, 6205), (30, 6262), (33, 6283), (35, 6298), (40, 6373), (45, 6436),

Gene: Doug\_7 Start: 5879, Stop: 6448, Start Num: 1

Candidate Starts for Doug\_7:

(Start: 1 @5879 has 103 MA's), (Start: 2 @5882 has 73 MA's), (5, 5921), (6, 5963), (7, 5972), (9, 6017), (10, 6041), (13, 6068), (14, 6083), (15, 6086), (21, 6155), (24, 6197), (25, 6200), (27, 6227), (29, 6251), (33, 6281), (39, 6356), (40, 6371),

Gene: Eish\_7 Start: 5867, Stop: 6436, Start Num: 1

Candidate Starts for Eish\_7:

(Start: 1 @5867 has 103 MA's), (Start: 2 @5870 has 73 MA's), (6, 5951), (7, 5960), (9, 6005), (10, 6029), (13, 6056), (14, 6071), (15, 6074), (21, 6143), (24, 6185), (25, 6188), (27, 6215), (29, 6239), (33, 6269), (39, 6344), (40, 6359), (41, 6377),

Gene: EleanorGeorge\_7 Start: 5883, Stop: 6449, Start Num: 2

Candidate Starts for EleanorGeorge\_7:

(Start: 2 @5883 has 73 MA's), (9, 6018), (10, 6042), (12, 6054), (13, 6069), (15, 6087), (20, 6129), (21, 6156), (25, 6201), (26, 6204), (30, 6261), (33, 6282), (35, 6297), (40, 6372), (45, 6435),

Gene: EmiMonkey\_7 Start: 5894, Stop: 6463, Start Num: 1

Candidate Starts for EmiMonkey\_7:

(Start: 1 @5894 has 103 MA's), (Start: 2 @5897 has 73 MA's), (5, 5936), (6, 5978), (7, 5987), (9, 6032), (10, 6056), (13, 6083), (14, 6098), (15, 6101), (21, 6170), (24, 6212), (25, 6215), (27, 6242), (29, 6266), (33, 6296), (39, 6371), (40, 6386),

Gene: Emma\_7 Start: 5883, Stop: 6449, Start Num: 2

Candidate Starts for Emma\_7:

(Start: 2 @5883 has 73 MA's), (9, 6018), (10, 6042), (12, 6054), (13, 6069), (15, 6087), (20, 6129), (21, 6156), (25, 6201), (26, 6204), (30, 6261), (33, 6282), (35, 6297), (40, 6372), (45, 6435),

Gene: Empress\_7 Start: 5877, Stop: 6446, Start Num: 1

Candidate Starts for Empress\_7:

(Start: 1 @5877 has 103 MA's), (Start: 2 @5880 has 73 MA's), (5, 5919), (6, 5961), (7, 5970), (9, 6015), (13, 6066), (14, 6081), (15, 6084), (21, 6153), (24, 6195), (25, 6198), (27, 6225), (29, 6249), (33, 6279), (39, 6354), (40, 6369), (41, 6387),

Gene: Enzomatic\_8 Start: 5857, Stop: 6423, Start Num: 2

Candidate Starts for Enzomatic\_8:

(Start: 2 @5857 has 73 MA's), (9, 5992), (10, 6016), (12, 6028), (15, 6061), (20, 6103), (21, 6130), (25, 6175), (26, 6178), (30, 6235), (33, 6256), (35, 6271), (40, 6346), (45, 6409),

Gene: Eradicator\_7 Start: 5878, Stop: 6447, Start Num: 1

Candidate Starts for Eradicator\_7:

(Start: 1 @5878 has 103 MA's), (Start: 2 @5881 has 73 MA's), (5, 5920), (6, 5962), (7, 5971), (9, 6016), (10, 6040), (13, 6067), (14, 6082), (15, 6085), (21, 6154), (24, 6196), (25, 6199), (27, 6226), (29, 6250), (33, 6280), (39, 6355), (40, 6370),

Gene: Estave1\_7 Start: 5879, Stop: 6448, Start Num: 1

Candidate Starts for Estave1\_7:

(Start: 1 @5879 has 103 MA's), (Start: 2 @5882 has 73 MA's), (6, 5963), (7, 5972), (9, 6017), (10, 6041), (13, 6068), (14, 6083), (15, 6086), (21, 6155), (24, 6197), (25, 6200), (27, 6227), (33, 6281), (39, 6356), (40, 6371), (41, 6389),

Gene: Fancypants\_7 Start: 5881, Stop: 6450, Start Num: 1

Candidate Starts for Fancypants\_7:

(Start: 1 @5881 has 103 MA's), (Start: 2 @5884 has 73 MA's), (6, 5965), (7, 5974), (9, 6019), (10, 6043), (13, 6070), (14, 6085), (15, 6088), (21, 6157), (24, 6199), (25, 6202), (27, 6229), (29, 6253), (33, 6283), (39, 6358), (40, 6373),

Gene: Fastidio\_7 Start: 5880, Stop: 6449, Start Num: 1

Candidate Starts for Fastidio\_7:

(Start: 1 @5880 has 103 MA's), (Start: 2 @5883 has 73 MA's), (6, 5964), (7, 5973), (9, 6018), (10, 6042), (13, 6069), (14, 6084), (15, 6087), (21, 6156), (24, 6198), (25, 6201), (27, 6228), (29, 6252), (33, 6282), (39, 6357), (40, 6372),

Gene: Filuzino\_7 Start: 5884, Stop: 6450, Start Num: 2

Candidate Starts for Filuzino\_7:

(Start: 2 @5884 has 73 MA's), (9, 6019), (10, 6043), (12, 6055), (13, 6070), (15, 6088), (20, 6130), (21, 6157), (25, 6202), (26, 6205), (30, 6262), (33, 6283), (35, 6298), (40, 6373), (45, 6436),

Gene: Firehouse51\_7 Start: 5883, Stop: 6449, Start Num: 2

Candidate Starts for Firehouse51\_7:

(Start: 2 @5883 has 73 MA's), (9, 6018), (10, 6042), (12, 6054), (15, 6087), (20, 6129), (21, 6156), (25, 6201), (26, 6204), (30, 6261), (33, 6282), (35, 6297), (40, 6372), (45, 6435),

Gene: Florinda\_7 Start: 5897, Stop: 6466, Start Num: 1

Candidate Starts for Florinda\_7:

(Start: 1 @5897 has 103 MA's), (Start: 2 @5900 has 73 MA's), (5, 5939), (6, 5981), (7, 5990), (9, 6035), (10, 6059), (13, 6086), (14, 6101), (15, 6104), (21, 6173), (24, 6215), (25, 6218), (27, 6245), (33, 6299), (39, 6374), (40, 6389),

Gene: FreddyB\_7 Start: 5878, Stop: 6447, Start Num: 1

Candidate Starts for FreddyB\_7:

(Start: 1 @5878 has 103 MA's), (Start: 2 @5881 has 73 MA's), (5, 5920), (6, 5962), (7, 5971), (9, 6016), (10, 6040), (13, 6067), (14, 6082), (15, 6085), (21, 6154), (24, 6196), (25, 6199), (27, 6226), (29, 6250), (33, 6280), (39, 6355), (40, 6370),

Gene: Fruitloop\_7 Start: 5884, Stop: 6450, Start Num: 2

Candidate Starts for Fruitloop\_7:

(Start: 2 @5884 has 73 MA's), (9, 6019), (10, 6043), (12, 6055), (13, 6070), (15, 6088), (20, 6130), (21, 6157), (25, 6202), (26, 6205), (30, 6262), (33, 6283), (35, 6298), (40, 6373), (45, 6436),

Gene: GUmbie\_7 Start: 5894, Stop: 6463, Start Num: 1

Candidate Starts for GUmbie\_7:

(Start: 1 @5894 has 103 MA's), (Start: 2 @5897 has 73 MA's), (6, 5978), (7, 5987), (9, 6032), (10, 6056), (13, 6083), (14, 6098), (15, 6101), (21, 6170), (24, 6212), (25, 6215), (27, 6242), (29, 6266), (33, 6296), (39, 6371), (40, 6386),

Gene: Galactic\_7 Start: 5857, Stop: 6423, Start Num: 2

Candidate Starts for Galactic\_7:

(Start: 2 @5857 has 73 MA's), (9, 5992), (10, 6016), (12, 6028), (15, 6061), (20, 6103), (21, 6130), (25, 6175), (26, 6178), (30, 6235), (33, 6256), (35, 6271), (40, 6346), (45, 6409),

Gene: Gandalph\_7 Start: 5894, Stop: 6463, Start Num: 1

Candidate Starts for Gandalph\_7:

(Start: 1 @5894 has 103 MA's), (Start: 2 @5897 has 73 MA's), (6, 5978), (7, 5987), (9, 6032), (10, 6056), (13, 6083), (14, 6098), (15, 6101), (21, 6170), (24, 6212), (25, 6215), (27, 6242), (29, 6266), (33,

6296), (39, 6371), (40, 6386), (41, 6404),

Gene: Geralt\_7 Start: 5877, Stop: 6446, Start Num: 1

Candidate Starts for Geralt\_7:

(Start: 1 @5877 has 103 MA's), (Start: 2 @5880 has 73 MA's), (5, 5919), (6, 5961), (7, 5970), (9, 6015), (13, 6066), (14, 6081), (15, 6084), (21, 6153), (24, 6195), (25, 6198), (27, 6225), (29, 6249), (33, 6279), (39, 6354), (40, 6369), (41, 6387),

Gene: GigiOuiOui\_7 Start: 5894, Stop: 6463, Start Num: 1

Candidate Starts for GigiOuiOui\_7:

(Start: 1 @5894 has 103 MA's), (Start: 2 @5897 has 73 MA's), (5, 5936), (6, 5978), (7, 5987), (9, 6032), (10, 6056), (13, 6083), (14, 6098), (15, 6101), (21, 6170), (24, 6212), (25, 6215), (27, 6242), (29, 6266), (33, 6296), (39, 6371), (40, 6386),

Gene: Girr\_7 Start: 5886, Stop: 6452, Start Num: 2

Candidate Starts for Girr\_7:

(Start: 1 @5883 has 103 MA's), (Start: 2 @5886 has 73 MA's), (6, 5967), (7, 5976), (9, 6021), (10, 6045), (13, 6072), (14, 6087), (15, 6090), (21, 6159), (24, 6201), (25, 6204), (27, 6231), (29, 6255), (33, 6285), (39, 6360), (40, 6375), (41, 6393),

Gene: Gorge\_7 Start: 5869, Stop: 6435, Start Num: 2

Candidate Starts for Gorge\_7:

(Start: 1 @5866 has 103 MA's), (Start: 2 @5869 has 73 MA's), (5, 5908), (6, 5950), (7, 5959), (9, 6004), (10, 6028), (13, 6055), (14, 6070), (15, 6073), (21, 6142), (24, 6184), (25, 6187), (27, 6214), (29, 6238), (33, 6268), (39, 6343), (40, 6358),

Gene: Grimmer\_8 Start: 6532, Stop: 7101, Start Num: 1

Candidate Starts for Grimmer\_8:

(Start: 1 @6532 has 103 MA's), (Start: 2 @6535 has 73 MA's), (6, 6616), (7, 6625), (9, 6670), (10, 6694), (13, 6721), (14, 6736), (15, 6739), (21, 6808), (24, 6850), (25, 6853), (27, 6880), (29, 6904), (33, 6934), (39, 7009), (40, 7024),

Gene: Guppsters\_7 Start: 5883, Stop: 6449, Start Num: 2

Candidate Starts for Guppsters\_7:

(Start: 2 @5883 has 73 MA's), (9, 6018), (10, 6042), (12, 6054), (13, 6069), (15, 6087), (20, 6129), (21, 6156), (25, 6201), (26, 6204), (30, 6261), (33, 6282), (35, 6297), (40, 6372), (45, 6435),

Gene: Hades\_7 Start: 5883, Stop: 6449, Start Num: 2

Candidate Starts for Hades\_7:

(Start: 1 @5880 has 103 MA's), (Start: 2 @5883 has 73 MA's), (6, 5964), (7, 5973), (9, 6018), (10, 6042), (13, 6069), (14, 6084), (15, 6087), (21, 6156), (24, 6198), (25, 6201), (27, 6228), (29, 6252), (33, 6282), (39, 6357), (40, 6372),

Gene: Hamulus\_7 Start: 5884, Stop: 6450, Start Num: 2

Candidate Starts for Hamulus\_7:

(Start: 2 @5884 has 73 MA's), (9, 6019), (10, 6043), (12, 6055), (13, 6070), (15, 6088), (20, 6130), (21, 6157), (25, 6202), (26, 6205), (30, 6262), (33, 6283), (35, 6298), (40, 6373), (45, 6436),

Gene: Harley\_7 Start: 5870, Stop: 6436, Start Num: 2

Candidate Starts for Harley\_7:

(Start: 1 @5867 has 103 MA's), (Start: 2 @5870 has 73 MA's), (6, 5951), (7, 5960), (9, 6005), (10, 6029), (13, 6056), (14, 6071), (15, 6074), (21, 6143), (24, 6185), (25, 6188), (27, 6215), (29, 6239), (33, 6269), (39, 6344), (40, 6359), (41, 6377),

Gene: Hlubikazi\_7 Start: 5867, Stop: 6436, Start Num: 1

Candidate Starts for Hlubikazi\_7:

(Start: 1 @5867 has 103 MA's), (Start: 2 @5870 has 73 MA's), (6, 5951), (7, 5960), (9, 6005), (10, 6029), (13, 6056), (14, 6071), (15, 6074), (21, 6143), (24, 6185), (25, 6188), (27, 6215), (29, 6239), (33, 6269), (39, 6344), (40, 6359),

Gene: lMpilo\_7 Start: 5871, Stop: 6437, Start Num: 2

Candidate Starts for lMpilo\_7:

(Start: 2 @5871 has 73 MA's), (9, 6006), (10, 6030), (12, 6042), (13, 6057), (15, 6075), (20, 6117), (21, 6144), (25, 6189), (26, 6192), (30, 6249), (33, 6270), (35, 6285), (40, 6360), (45, 6423),

Gene: lbOuu\_7 Start: 5876, Stop: 6445, Start Num: 1

Candidate Starts for lbOuu\_7:

(Start: 1 @5876 has 103 MA's), (Start: 2 @5879 has 73 MA's), (5, 5918), (6, 5960), (7, 5969), (9, 6014), (10, 6038), (13, 6065), (14, 6080), (15, 6083), (21, 6152), (24, 6194), (25, 6197), (27, 6224), (29, 6248), (33, 6278), (39, 6353), (40, 6368), (41, 6386),

Gene: lbantik\_72 Start: 34097, Stop: 34657, Start Num: 1

Candidate Starts for lbantik\_72:

(Start: 1 @34097 has 103 MA's), (3, 34121), (4, 34133), (18, 34331), (25, 34421), (32, 34496), (36, 34520), (40, 34592),

Gene: lbhubesi\_7 Start: 5867, Stop: 6436, Start Num: 1

Candidate Starts for lbhubesi\_7:

(Start: 1 @5867 has 103 MA's), (Start: 2 @5870 has 73 MA's), (6, 5951), (7, 5960), (9, 6005), (10, 6029), (13, 6056), (14, 6071), (15, 6074), (21, 6143), (24, 6185), (25, 6188), (27, 6215), (29, 6239), (33, 6269), (39, 6344), (40, 6359), (41, 6377),

Gene: Inventum\_7 Start: 5877, Stop: 6446, Start Num: 1

Candidate Starts for Inventum\_7:

(Start: 1 @5877 has 103 MA's), (Start: 2 @5880 has 73 MA's), (5, 5919), (6, 5961), (7, 5970), (9, 6015), (10, 6039), (13, 6066), (14, 6081), (15, 6084), (21, 6153), (24, 6195), (25, 6198), (27, 6225), (29, 6249), (33, 6279), (39, 6354), (40, 6369), (41, 6387),

Gene: IrishSherpFalk\_7 Start: 5871, Stop: 6437, Start Num: 2

Candidate Starts for IrishSherpFalk\_7:

(Start: 2 @5871 has 73 MA's), (6, 5952), (8, 5994), (10, 6030), (12, 6042), (13, 6057), (15, 6075), (20, 6117), (21, 6144), (22, 6150), (25, 6189), (28, 6228), (30, 6249), (33, 6270), (35, 6285), (37, 6300), (42, 6387), (45, 6423),

Gene: James\_7 Start: 5869, Stop: 6438, Start Num: 1

Candidate Starts for James\_7:

(Start: 1 @5869 has 103 MA's), (Start: 2 @5872 has 73 MA's), (6, 5953), (7, 5962), (9, 6007), (10, 6031), (13, 6058), (14, 6073), (15, 6076), (21, 6145), (24, 6187), (25, 6190), (27, 6217), (29, 6241), (33, 6271), (39, 6346), (40, 6361),

Gene: Jant\_7 Start: 5883, Stop: 6449, Start Num: 2

Candidate Starts for Jant\_7:

(Start: 2 @5883 has 73 MA's), (9, 6018), (10, 6042), (12, 6054), (13, 6069), (15, 6087), (20, 6129), (21, 6156), (25, 6201), (26, 6204), (30, 6261), (33, 6282), (35, 6297), (40, 6372), (45, 6435),

Gene: Jarcob\_7 Start: 5878, Stop: 6447, Start Num: 1

Candidate Starts for Jacob\_7:

(Start: 1 @5878 has 103 MA's), (Start: 2 @5881 has 73 MA's), (5, 5920), (6, 5962), (7, 5971), (9, 6016), (10, 6040), (13, 6067), (14, 6082), (15, 6085), (21, 6154), (24, 6196), (25, 6199), (27, 6226), (29, 6250), (33, 6280), (39, 6355), (40, 6370),

Gene: Jennelsea\_7 Start: 5865, Stop: 6434, Start Num: 1

Candidate Starts for Jennelsea\_7:

(Start: 1 @5865 has 103 MA's), (Start: 2 @5868 has 73 MA's), (5, 5907), (6, 5949), (7, 5958), (9, 6003), (10, 6027), (13, 6054), (14, 6069), (15, 6072), (21, 6141), (24, 6183), (25, 6186), (27, 6213), (29, 6237), (33, 6267), (39, 6342), (40, 6357),

Gene: Jinglebell\_7 Start: 5879, Stop: 6445, Start Num: 2

Candidate Starts for Jinglebell\_7:

(Start: 1 @5876 has 103 MA's), (Start: 2 @5879 has 73 MA's), (6, 5960), (7, 5969), (9, 6014), (10, 6038), (13, 6065), (14, 6080), (15, 6083), (21, 6152), (24, 6194), (25, 6197), (27, 6224), (29, 6248), (33, 6278), (39, 6353), (40, 6368),

Gene: JoeyJr\_7 Start: 5877, Stop: 6446, Start Num: 1

Candidate Starts for JoeyJr\_7:

(Start: 1 @5877 has 103 MA's), (Start: 2 @5880 has 73 MA's), (5, 5919), (6, 5961), (7, 5970), (9, 6015), (10, 6039), (13, 6066), (14, 6081), (15, 6084), (21, 6153), (24, 6195), (25, 6198), (27, 6225), (29, 6249), (33, 6279), (39, 6354), (40, 6369), (41, 6387),

Gene: Juniper1\_7 Start: 5869, Stop: 6438, Start Num: 1

Candidate Starts for Juniper1\_7:

(Start: 1 @5869 has 103 MA's), (Start: 2 @5872 has 73 MA's), (6, 5953), (7, 5962), (9, 6007), (10, 6031), (13, 6058), (14, 6073), (15, 6076), (21, 6145), (24, 6187), (25, 6190), (27, 6217), (29, 6241), (33, 6271), (40, 6361), (41, 6379),

Gene: Karhdo\_7 Start: 5881, Stop: 6450, Start Num: 1

Candidate Starts for Karhdo\_7:

(Start: 1 @5881 has 103 MA's), (Start: 2 @5884 has 73 MA's), (6, 5965), (7, 5974), (9, 6019), (10, 6043), (13, 6070), (14, 6085), (15, 6088), (21, 6157), (24, 6199), (25, 6202), (27, 6229), (29, 6253), (33, 6283), (39, 6358), (40, 6373),

Gene: Kenuha5\_7 Start: 5883, Stop: 6449, Start Num: 2

Candidate Starts for Kenuha5\_7:

(Start: 2 @5883 has 73 MA's), (9, 6018), (10, 6042), (12, 6054), (13, 6069), (15, 6087), (20, 6129), (21, 6156), (25, 6201), (26, 6204), (30, 6261), (33, 6282), (35, 6297), (40, 6372), (45, 6435),

Gene: Kersh\_7 Start: 5870, Stop: 6439, Start Num: 1

Candidate Starts for Kersh\_7:

(Start: 1 @5870 has 103 MA's), (Start: 2 @5873 has 73 MA's), (5, 5912), (6, 5954), (7, 5963), (9, 6008), (10, 6032), (13, 6059), (14, 6074), (15, 6077), (21, 6146), (24, 6188), (25, 6191), (27, 6218), (29, 6242), (33, 6272), (39, 6347), (40, 6362),

Gene: KingJulian\_7 Start: 5884, Stop: 6450, Start Num: 2

Candidate Starts for KingJulian\_7:

(Start: 2 @5884 has 73 MA's), (9, 6019), (10, 6043), (12, 6055), (13, 6070), (15, 6088), (20, 6130), (21, 6157), (25, 6202), (26, 6205), (30, 6262), (33, 6283), (35, 6298), (40, 6373), (45, 6436),

Gene: KingMidas\_7 Start: 5877, Stop: 6446, Start Num: 1

Candidate Starts for KingMidas\_7:

(Start: 1 @5877 has 103 MA's), (Start: 2 @5880 has 73 MA's), (5, 5919), (6, 5961), (7, 5970), (9, 6015), (13, 6066), (14, 6081), (15, 6084), (21, 6153), (24, 6195), (25, 6198), (27, 6225), (29, 6249), (33, 6279), (39, 6354), (40, 6369), (41, 6387),

Gene: Koella\_7 Start: 5880, Stop: 6446, Start Num: 2

Candidate Starts for Koella\_7:

(Start: 1 @5877 has 103 MA's), (Start: 2 @5880 has 73 MA's), (5, 5919), (6, 5961), (7, 5970), (9, 6015), (10, 6039), (13, 6066), (14, 6081), (15, 6084), (21, 6153), (24, 6195), (25, 6198), (27, 6225), (29, 6249), (33, 6279), (39, 6354), (40, 6369),

Gene: Krakatau\_8 Start: 6535, Stop: 7101, Start Num: 2

Candidate Starts for Krakatau\_8:

(Start: 2 @6535 has 73 MA's), (9, 6670), (10, 6694), (12, 6706), (13, 6721), (15, 6739), (20, 6781), (21, 6808), (25, 6853), (26, 6856), (30, 6913), (33, 6934), (35, 6949), (40, 7024), (45, 7087),

Gene: KristaRAM\_8 Start: 6531, Stop: 7097, Start Num: 2

Candidate Starts for KristaRAM\_8:

(Start: 2 @6531 has 73 MA's), (9, 6666), (10, 6690), (12, 6702), (15, 6735), (20, 6777), (21, 6804), (25, 6849), (26, 6852), (30, 6909), (33, 6930), (35, 6945), (40, 7020), (45, 7083),

Gene: LastJedi\_7 Start: 5869, Stop: 6438, Start Num: 1

Candidate Starts for LastJedi\_7:

(Start: 1 @5869 has 103 MA's), (Start: 2 @5872 has 73 MA's), (6, 5953), (7, 5962), (9, 6007), (10, 6031), (13, 6058), (14, 6073), (15, 6076), (21, 6145), (24, 6187), (25, 6190), (27, 6217), (29, 6241), (33, 6271), (39, 6346), (40, 6361),

Gene: Latretium\_7 Start: 5866, Stop: 6435, Start Num: 1

Candidate Starts for Latretium\_7:

(Start: 1 @5866 has 103 MA's), (Start: 2 @5869 has 73 MA's), (6, 5950), (7, 5959), (9, 6004), (10, 6028), (13, 6055), (14, 6070), (15, 6073), (21, 6142), (24, 6184), (25, 6187), (27, 6214), (29, 6238), (33, 6268), (39, 6343), (40, 6358),

Gene: Leperchaun\_7 Start: 5869, Stop: 6435, Start Num: 2

Candidate Starts for Leperchaun\_7:

(Start: 1 @5866 has 103 MA's), (Start: 2 @5869 has 73 MA's), (5, 5908), (6, 5950), (7, 5959), (9, 6004), (10, 6028), (13, 6055), (14, 6070), (15, 6073), (21, 6142), (24, 6184), (25, 6187), (27, 6214), (29, 6238), (33, 6268), (39, 6343), (40, 6358), (41, 6376),

Gene: LilMoolah\_7 Start: 5878, Stop: 6447, Start Num: 1

Candidate Starts for LilMoolah\_7:

(Start: 1 @5878 has 103 MA's), (Start: 2 @5881 has 73 MA's), (5, 5920), (6, 5962), (7, 5971), (9, 6016), (10, 6040), (13, 6067), (14, 6082), (15, 6085), (21, 6154), (24, 6196), (25, 6199), (27, 6226), (29, 6250), (33, 6280), (39, 6355), (40, 6370),

Gene: Lizziana\_7 Start: 5879, Stop: 6448, Start Num: 1

Candidate Starts for Lizziana\_7:

(Start: 1 @5879 has 103 MA's), (Start: 2 @5882 has 73 MA's), (5, 5921), (6, 5963), (7, 5972), (9, 6017), (10, 6041), (13, 6068), (14, 6083), (15, 6086), (21, 6155), (24, 6197), (25, 6200), (27, 6227), (29, 6251), (33, 6281), (39, 6356), (40, 6371),

Gene: Llama\_7 Start: 5876, Stop: 6445, Start Num: 1

Candidate Starts for Llama\_7:

(Start: 1 @5876 has 103 MA's), (Start: 2 @5879 has 73 MA's), (6, 5960), (7, 5969), (9, 6014), (10, 6038), (13, 6065), (14, 6080), (15, 6083), (21, 6152), (24, 6194), (25, 6197), (27, 6224), (29, 6248), (33, 6278), (39, 6353), (40, 6368),

Gene: Llij\_7 Start: 5894, Stop: 6463, Start Num: 1

Candidate Starts for Llij\_7:

(Start: 1 @5894 has 103 MA's), (Start: 2 @5897 has 73 MA's), (5, 5936), (6, 5978), (7, 5987), (9, 6032), (10, 6056), (13, 6083), (14, 6098), (15, 6101), (21, 6170), (24, 6212), (25, 6215), (27, 6242), (29, 6266), (33, 6296), (39, 6371), (40, 6386),

Gene: LunaBlu\_7 Start: 5857, Stop: 6423, Start Num: 2

Candidate Starts for LunaBlu\_7:

(Start: 2 @5857 has 73 MA's), (9, 5992), (10, 6016), (12, 6028), (15, 6061), (20, 6103), (21, 6130), (25, 6175), (26, 6178), (30, 6235), (33, 6256), (35, 6271), (40, 6346), (45, 6409),

Gene: MadMen\_7 Start: 5893, Stop: 6462, Start Num: 1

Candidate Starts for MadMen\_7:

(Start: 1 @5893 has 103 MA's), (Start: 2 @5896 has 73 MA's), (6, 5977), (7, 5986), (9, 6031), (10, 6055), (13, 6082), (14, 6097), (15, 6100), (17, 6118), (21, 6169), (24, 6211), (25, 6214), (27, 6241), (29, 6265), (33, 6295), (39, 6370), (40, 6385), (41, 6403),

Gene: Mahavrat\_7 Start: 5866, Stop: 6435, Start Num: 1

Candidate Starts for Mahavrat\_7:

(Start: 1 @5866 has 103 MA's), (Start: 2 @5869 has 73 MA's), (6, 5950), (7, 5959), (9, 6004), (10, 6028), (13, 6055), (14, 6070), (15, 6073), (21, 6142), (24, 6184), (27, 6214), (29, 6238), (33, 6268), (39, 6343), (40, 6358),

Gene: Mandlovu\_7 Start: 5867, Stop: 6436, Start Num: 1

Candidate Starts for Mandlovu\_7:

(Start: 1 @5867 has 103 MA's), (Start: 2 @5870 has 73 MA's), (6, 5951), (7, 5960), (9, 6005), (10, 6029), (13, 6056), (14, 6071), (15, 6074), (21, 6143), (24, 6185), (25, 6188), (27, 6215), (29, 6239), (33, 6269), (39, 6344), (40, 6359),

Gene: Mantra\_7 Start: 5894, Stop: 6463, Start Num: 1

Candidate Starts for Mantra\_7:

(Start: 1 @5894 has 103 MA's), (Start: 2 @5897 has 73 MA's), (5, 5936), (6, 5978), (7, 5987), (9, 6032), (10, 6056), (13, 6083), (14, 6098), (15, 6101), (21, 6170), (24, 6212), (25, 6215), (27, 6242), (29, 6266), (33, 6296), (39, 6371), (40, 6386),

Gene: Maravista\_7 Start: 5867, Stop: 6436, Start Num: 1

Candidate Starts for Maravista\_7:

(Start: 1 @5867 has 103 MA's), (Start: 2 @5870 has 73 MA's), (5, 5909), (6, 5951), (7, 5960), (9, 6005), (10, 6029), (13, 6056), (14, 6071), (15, 6074), (21, 6143), (24, 6185), (25, 6188), (27, 6215), (29, 6239), (33, 6269), (39, 6344), (40, 6359),

Gene: Martik\_7 Start: 5879, Stop: 6448, Start Num: 1

Candidate Starts for Martik\_7:

(Start: 1 @5879 has 103 MA's), (Start: 2 @5882 has 73 MA's), (5, 5921), (6, 5963), (7, 5972), (9, 6017), (10, 6041), (13, 6068), (14, 6083), (15, 6086), (21, 6155), (24, 6197), (25, 6200), (27, 6227), (29, 6251), (33, 6281), (39, 6356), (40, 6371),

Gene: Mattes\_7 Start: 5869, Stop: 6438, Start Num: 1

Candidate Starts for Mattes\_7:

(Start: 1 @5869 has 103 MA's), (Start: 2 @5872 has 73 MA's), (6, 5953), (7, 5962), (9, 6007), (10, 6031), (13, 6058), (14, 6073), (15, 6076), (21, 6145), (24, 6187), (25, 6190), (27, 6217), (29, 6241), (33, 6271), (39, 6346), (40, 6361),

Gene: Medindi\_7 Start: 5872, Stop: 6438, Start Num: 2

Candidate Starts for Medindi\_7:

(Start: 2 @5872 has 73 MA's), (9, 6007), (10, 6031), (12, 6043), (13, 6058), (15, 6076), (20, 6118), (21, 6145), (25, 6190), (26, 6193), (30, 6250), (33, 6271), (35, 6286), (40, 6361), (45, 6424),

Gene: Melissauren88\_7 Start: 5883, Stop: 6449, Start Num: 2

Candidate Starts for Melissauren88\_7:

(Start: 2 @5883 has 73 MA's), (9, 6018), (10, 6042), (12, 6054), (13, 6069), (15, 6087), (20, 6129), (21, 6156), (25, 6201), (26, 6204), (30, 6261), (33, 6282), (35, 6297), (40, 6372), (45, 6435),

Gene: MilanaBonita\_8 Start: 6531, Stop: 7097, Start Num: 2

Candidate Starts for MilanaBonita\_8:

(Start: 2 @6531 has 73 MA's), (9, 6666), (10, 6690), (12, 6702), (13, 6717), (15, 6735), (20, 6777), (21, 6804), (25, 6849), (26, 6852), (30, 6909), (33, 6930), (35, 6945), (40, 7020), (45, 7083),

Gene: MilleniumForce\_8 Start: 6531, Stop: 7097, Start Num: 2

Candidate Starts for MilleniumForce\_8:

(Start: 2 @6531 has 73 MA's), (9, 6666), (10, 6690), (12, 6702), (13, 6717), (15, 6735), (20, 6777), (21, 6804), (25, 6849), (26, 6852), (30, 6909), (33, 6930), (35, 6945), (40, 7020), (45, 7083),

Gene: MinionDave\_8 Start: 6531, Stop: 7097, Start Num: 2

Candidate Starts for MinionDave\_8:

(Start: 2 @6531 has 73 MA's), (9, 6666), (10, 6690), (12, 6702), (13, 6717), (15, 6735), (20, 6777), (21, 6804), (25, 6849), (26, 6852), (30, 6909), (33, 6930), (35, 6945), (40, 7020), (45, 7083),

Gene: Minnie\_7 Start: 5894, Stop: 6463, Start Num: 1

Candidate Starts for Minnie\_7:

(Start: 1 @5894 has 103 MA's), (Start: 2 @5897 has 73 MA's), (5, 5936), (6, 5978), (7, 5987), (9, 6032), (10, 6056), (13, 6083), (14, 6098), (15, 6101), (21, 6170), (24, 6212), (25, 6215), (27, 6242), (29, 6266), (33, 6296), (39, 6371), (40, 6386),

Gene: MisterCuddles\_7 Start: 5886, Stop: 6452, Start Num: 2

Candidate Starts for MisterCuddles\_7:

(Start: 1 @5883 has 103 MA's), (Start: 2 @5886 has 73 MA's), (6, 5967), (7, 5976), (9, 6021), (10, 6045), (13, 6072), (14, 6087), (15, 6090), (21, 6159), (24, 6201), (25, 6204), (27, 6231), (29, 6255), (33, 6285), (39, 6360), (40, 6375), (41, 6393),

Gene: Modragons\_7 Start: 5876, Stop: 6445, Start Num: 1

Candidate Starts for Modragons\_7:

(Start: 1 @5876 has 103 MA's), (Start: 2 @5879 has 73 MA's), (6, 5960), (7, 5969), (9, 6014), (10, 6038), (13, 6065), (14, 6080), (15, 6083), (21, 6152), (24, 6194), (25, 6197), (27, 6224), (29, 6248), (33, 6278), (39, 6353), (40, 6368),

Gene: Moonbeam\_7 Start: 5879, Stop: 6448, Start Num: 1

Candidate Starts for Moonbeam\_7:

(Start: 1 @5879 has 103 MA's), (Start: 2 @5882 has 73 MA's), (5, 5921), (6, 5963), (7, 5972), (9, 6017), (10, 6041), (13, 6068), (14, 6083), (15, 6086), (21, 6155), (24, 6197), (25, 6200), (27, 6227), (29, 6251), (33, 6281), (39, 6356), (40, 6371),

Gene: Ms6\_7 Start: 5883, Stop: 6449, Start Num: 2

Candidate Starts for Ms6\_7:

(Start: 2 @5883 has 73 MA's), (9, 6018), (10, 6042), (12, 6054), (13, 6069), (15, 6087), (20, 6129), (21, 6156), (25, 6201), (26, 6204), (30, 6261), (33, 6282), (35, 6297), (40, 6372), (45, 6435),

Gene: MulchSalad\_7 Start: 5880, Stop: 6449, Start Num: 1

Candidate Starts for MulchSalad\_7:

(Start: 1 @5880 has 103 MA's), (Start: 2 @5883 has 73 MA's), (6, 5964), (7, 5973), (9, 6018), (10, 6042), (13, 6069), (14, 6084), (15, 6087), (21, 6156), (24, 6198), (25, 6201), (27, 6228), (29, 6252), (33, 6282), (39, 6357), (40, 6372),

Gene: Mutaforma13\_7 Start: 5883, Stop: 6449, Start Num: 2

Candidate Starts for Mutaforma13\_7:

(Start: 2 @5883 has 73 MA's), (6, 5964), (8, 6006), (9, 6018), (10, 6042), (12, 6054), (13, 6069), (15, 6087), (20, 6129), (21, 6156), (22, 6162), (25, 6201), (28, 6240), (30, 6261), (33, 6282), (35, 6297), (37, 6312), (42, 6399), (45, 6435),

Gene: Mwanjiwa\_7 Start: 5855, Stop: 6421, Start Num: 2

Candidate Starts for Mwanjiwa\_7:

(Start: 2 @5855 has 73 MA's), (9, 5990), (10, 6014), (12, 6026), (15, 6059), (20, 6101), (21, 6128), (25, 6173), (26, 6176), (30, 6233), (33, 6254), (35, 6269), (40, 6344), (45, 6407),

Gene: NewHope4\_7 Start: 5857, Stop: 6423, Start Num: 2

Candidate Starts for NewHope4\_7:

(Start: 2 @5857 has 73 MA's), (9, 5992), (10, 6016), (12, 6028), (15, 6061), (20, 6103), (21, 6130), (25, 6175), (26, 6178), (30, 6235), (33, 6256), (35, 6271), (40, 6346), (45, 6409),

Gene: Nichirin\_7 Start: 5876, Stop: 6445, Start Num: 1

Candidate Starts for Nichirin\_7:

(Start: 1 @5876 has 103 MA's), (Start: 2 @5879 has 73 MA's), (6, 5960), (7, 5969), (9, 6014), (10, 6038), (13, 6065), (14, 6080), (15, 6083), (21, 6152), (24, 6194), (25, 6197), (27, 6224), (29, 6248), (33, 6278), (39, 6353), (40, 6368),

Gene: Nimbo\_7 Start: 5877, Stop: 6446, Start Num: 1

Candidate Starts for Nimbo\_7:

(Start: 1 @5877 has 103 MA's), (Start: 2 @5880 has 73 MA's), (5, 5919), (6, 5961), (7, 5970), (9, 6015), (13, 6066), (14, 6081), (15, 6084), (21, 6153), (24, 6195), (25, 6198), (27, 6225), (29, 6249), (33, 6279), (39, 6354), (40, 6369), (41, 6387),

Gene: Nitzel\_8 Start: 6530, Stop: 7099, Start Num: 1

Candidate Starts for Nitzel\_8:

(Start: 1 @6530 has 103 MA's), (Start: 2 @6533 has 73 MA's), (5, 6572), (6, 6614), (7, 6623), (9, 6668), (10, 6692), (13, 6719), (14, 6734), (15, 6737), (21, 6806), (24, 6848), (25, 6851), (27, 6878), (33, 6932), (39, 7007), (40, 7022),

Gene: Nivrat\_7 Start: 5881, Stop: 6447, Start Num: 2

Candidate Starts for Nivrat\_7:

(Start: 1 @5878 has 103 MA's), (Start: 2 @5881 has 73 MA's), (5, 5920), (6, 5962), (7, 5971), (9, 6016), (10, 6040), (13, 6067), (14, 6082), (15, 6085), (21, 6154), (24, 6196), (25, 6199), (27, 6226), (29, 6250), (33, 6280), (39, 6355), (40, 6370),

Gene: NormanBulbieJr\_7 Start: 5865, Stop: 6434, Start Num: 1

Candidate Starts for NormanBulbieJr\_7:

(Start: 1 @5865 has 103 MA's), (Start: 2 @5868 has 73 MA's), (5, 5907), (6, 5949), (7, 5958), (9, 6003), (10, 6027), (13, 6054), (14, 6069), (15, 6072), (21, 6141), (24, 6183), (25, 6186), (27, 6213), (29, 6237), (33, 6267), (39, 6342), (40, 6357),

Gene: Ochi17\_7 Start: 5876, Stop: 6445, Start Num: 1

Candidate Starts for Ochi17\_7:

(Start: 1 @5876 has 103 MA's), (Start: 2 @5879 has 73 MA's), (6, 5960), (7, 5969), (9, 6014), (10, 6038), (13, 6065), (14, 6080), (15, 6083), (21, 6152), (24, 6194), (25, 6197), (27, 6224), (29, 6248), (33, 6278), (39, 6353), (40, 6368),

Gene: OfUltron\_7 Start: 5876, Stop: 6445, Start Num: 1

Candidate Starts for OfUltron\_7:

(Start: 1 @5876 has 103 MA's), (Start: 2 @5879 has 73 MA's), (6, 5960), (7, 5969), (9, 6014), (10, 6038), (13, 6065), (14, 6080), (15, 6083), (21, 6152), (24, 6194), (25, 6197), (27, 6224), (29, 6248), (33, 6278), (39, 6353), (40, 6368),

Gene: Okabe\_9 Start: 6624, Stop: 7109, Start Num: 6

Candidate Starts for Okabe\_9:

(Start: 1 @6540 has 103 MA's), (Start: 2 @6543 has 73 MA's), (6, 6624), (7, 6633), (9, 6678), (10, 6702), (13, 6729), (14, 6744), (15, 6747), (21, 6816), (24, 6858), (25, 6861), (27, 6888), (29, 6912), (33, 6942), (39, 7017), (40, 7032),

Gene: OldBen\_7 Start: 5877, Stop: 6446, Start Num: 1

Candidate Starts for OldBen\_7:

(Start: 1 @5877 has 103 MA's), (Start: 2 @5880 has 73 MA's), (5, 5919), (6, 5961), (7, 5970), (9, 6015), (13, 6066), (14, 6081), (15, 6084), (21, 6153), (24, 6195), (25, 6198), (27, 6225), (29, 6249), (33, 6279), (39, 6354), (40, 6369), (41, 6387),

Gene: OlympiaSaint\_7 Start: 5878, Stop: 6447, Start Num: 1

Candidate Starts for OlympiaSaint\_7:

(Start: 1 @5878 has 103 MA's), (Start: 2 @5881 has 73 MA's), (5, 5920), (6, 5962), (7, 5971), (9, 6016), (10, 6040), (13, 6067), (14, 6082), (15, 6085), (21, 6154), (24, 6196), (25, 6199), (27, 6226), (33, 6280), (39, 6355), (40, 6370),

Gene: Ovechkin\_7 Start: 5883, Stop: 6449, Start Num: 2

Candidate Starts for Ovechkin\_7:

(Start: 2 @5883 has 73 MA's), (9, 6018), (10, 6042), (12, 6054), (13, 6069), (15, 6087), (20, 6129), (21, 6156), (25, 6201), (26, 6204), (30, 6261), (33, 6282), (35, 6297), (40, 6372), (45, 6435),

Gene: PHappiness\_7 Start: 5877, Stop: 6446, Start Num: 1

Candidate Starts for PHappiness\_7:

(Start: 1 @5877 has 103 MA's), (Start: 2 @5880 has 73 MA's), (5, 5919), (6, 5961), (7, 5970), (9, 6015), (10, 6039), (13, 6066), (14, 6081), (15, 6084), (21, 6153), (24, 6195), (25, 6198), (27, 6225), (29, 6249), (33, 6279), (39, 6354), (40, 6369), (41, 6387),

Gene: PMC\_7 Start: 5894, Stop: 6463, Start Num: 1

Candidate Starts for PMC\_7:

(Start: 1 @5894 has 103 MA's), (Start: 2 @5897 has 73 MA's), (5, 5936), (6, 5978), (7, 5987), (9, 6032), (10, 6056), (13, 6083), (14, 6098), (15, 6101), (21, 6170), (24, 6212), (25, 6215), (27, 6242), (29, 6266), (33, 6296), (39, 6371), (40, 6386),

Gene: Pacc40\_7 Start: 5877, Stop: 6446, Start Num: 1

Candidate Starts for Pacc40\_7:

(Start: 1 @5877 has 103 MA's), (Start: 2 @5880 has 73 MA's), (5, 5919), (6, 5961), (7, 5970), (9, 6015), (10, 6039), (13, 6066), (14, 6081), (15, 6084), (21, 6153), (24, 6195), (25, 6198), (27, 6225), (29, 6249), (33, 6279), (39, 6354), (40, 6369), (41, 6387),

Gene: PatoPoderoso\_7 Start: 5884, Stop: 6450, Start Num: 2

Candidate Starts for PatoPoderoso\_7:

(Start: 2 @5884 has 73 MA's), (9, 6019), (10, 6043), (12, 6055), (13, 6070), (15, 6088), (20, 6130), (21, 6157), (25, 6202), (26, 6205), (30, 6262), (33, 6283), (35, 6298), (40, 6373), (45, 6436),

Gene: Phalconet\_7 Start: 5883, Stop: 6449, Start Num: 2

Candidate Starts for Phalconet\_7:

(Start: 2 @5883 has 73 MA's), (9, 6018), (10, 6042), (12, 6054), (13, 6069), (15, 6087), (20, 6129), (21, 6156), (25, 6201), (26, 6204), (30, 6261), (33, 6282), (35, 6297), (40, 6372), (45, 6435),

Gene: Phanphagia\_7 Start: 5883, Stop: 6449, Start Num: 2

Candidate Starts for Phanphagia\_7:

(Start: 2 @5883 has 73 MA's), (9, 6018), (10, 6042), (12, 6054), (13, 6069), (15, 6087), (20, 6129), (21, 6156), (26, 6204), (30, 6261), (33, 6282), (35, 6297), (40, 6372), (45, 6435),

Gene: Phasih\_7 Start: 5896, Stop: 6462, Start Num: 2

Candidate Starts for Phasih\_7:

(Start: 1 @5893 has 103 MA's), (Start: 2 @5896 has 73 MA's), (6, 5977), (7, 5986), (9, 6031), (10, 6055), (13, 6082), (14, 6097), (15, 6100), (21, 6169), (24, 6211), (25, 6214), (27, 6241), (29, 6265), (33, 6295), (39, 6370), (40, 6385), (41, 6403),

Gene: Phatniss\_7 Start: 5877, Stop: 6446, Start Num: 1

Candidate Starts for Phatniss\_7:

(Start: 1 @5877 has 103 MA's), (Start: 2 @5880 has 73 MA's), (5, 5919), (6, 5961), (7, 5970), (9, 6015), (10, 6039), (13, 6066), (14, 6081), (15, 6084), (21, 6153), (24, 6195), (25, 6198), (27, 6225), (29, 6249), (33, 6279), (39, 6354), (40, 6369),

Gene: PhesterPhotato\_7 Start: 5883, Stop: 6449, Start Num: 2

Candidate Starts for PhesterPhotato\_7:

(Start: 2 @5883 has 73 MA's), (9, 6018), (10, 6042), (12, 6054), (13, 6069), (15, 6087), (20, 6129), (21, 6156), (25, 6201), (26, 6204), (30, 6261), (33, 6282), (35, 6297), (40, 6372), (45, 6435),

Gene: Philus\_7 Start: 5878, Stop: 6447, Start Num: 1

Candidate Starts for Philus\_7:

(Start: 1 @5878 has 103 MA's), (Start: 2 @5881 has 73 MA's), (5, 5920), (6, 5962), (7, 5971), (9, 6016), (10, 6040), (13, 6067), (14, 6082), (15, 6085), (21, 6154), (24, 6196), (25, 6199), (27, 6226), (29, 6250), (33, 6280), (39, 6355), (40, 6370),

Gene: PhlipPhlop\_7 Start: 5894, Stop: 6463, Start Num: 1

Candidate Starts for PhlipPhlop\_7:

(Start: 1 @5894 has 103 MA's), (Start: 2 @5897 has 73 MA's), (5, 5936), (6, 5978), (7, 5987), (9, 6032), (10, 6056), (13, 6083), (14, 6098), (15, 6101), (21, 6170), (24, 6212), (25, 6215), (27, 6242), (29, 6266), (33, 6296), (39, 6371), (40, 6386),

Gene: Pippy\_7 Start: 5868, Stop: 6434, Start Num: 2

Candidate Starts for Pippy\_7:

(Start: 1 @5865 has 103 MA's), (Start: 2 @5868 has 73 MA's), (5, 5907), (6, 5949), (7, 5958), (9, 6003), (10, 6027), (13, 6054), (14, 6069), (15, 6072), (21, 6141), (24, 6183), (25, 6186), (27, 6213), (29, 6237), (33, 6267), (39, 6342), (40, 6357),

Gene: Poenanya\_7 Start: 5877, Stop: 6446, Start Num: 1

Candidate Starts for Poenanya\_7:

(Start: 1 @5877 has 103 MA's), (Start: 2 @5880 has 73 MA's), (5, 5919), (6, 5961), (7, 5970), (9, 6015), (10, 6039), (13, 6066), (14, 6081), (15, 6084), (21, 6153), (24, 6195), (25, 6198), (27, 6225), (29, 6249), (33, 6279), (39, 6354), (40, 6369), (41, 6387),

Gene: Polka14\_7 Start: 5878, Stop: 6447, Start Num: 1

Candidate Starts for Polka14\_7:

(Start: 1 @5878 has 103 MA's), (Start: 2 @5881 has 73 MA's), (5, 5920), (6, 5962), (7, 5971), (9, 6016), (10, 6040), (13, 6067), (14, 6082), (15, 6085), (21, 6154), (24, 6196), (25, 6199), (27, 6226), (29, 6250), (33, 6280), (39, 6355), (40, 6370), (41, 6388),

Gene: Polo2Bam\_8 Start: 5857, Stop: 6423, Start Num: 2

Candidate Starts for Polo2Bam\_8:

(Start: 2 @5857 has 73 MA's), (9, 5992), (10, 6016), (12, 6028), (15, 6061), (20, 6103), (21, 6130), (25, 6175), (26, 6178), (30, 6235), (33, 6256), (35, 6271), (40, 6346), (45, 6409),

Gene: PopTart\_7 Start: 5883, Stop: 6449, Start Num: 2

Candidate Starts for PopTart\_7:

(Start: 2 @5883 has 73 MA's), (9, 6018), (10, 6042), (12, 6054), (13, 6069), (15, 6087), (20, 6129), (21, 6156), (25, 6201), (26, 6204), (30, 6261), (33, 6282), (35, 6297), (40, 6372), (45, 6435),

Gene: Priscilla\_7 Start: 5878, Stop: 6447, Start Num: 1

Candidate Starts for Priscilla\_7:

(Start: 1 @5878 has 103 MA's), (Start: 2 @5881 has 73 MA's), (5, 5920), (6, 5962), (7, 5971), (9, 6016), (10, 6040), (13, 6067), (14, 6082), (15, 6085), (21, 6154), (24, 6196), (25, 6199), (27, 6226), (29, 6250), (33, 6280), (39, 6355), (40, 6370),

Gene: QuickMath\_7 Start: 5884, Stop: 6450, Start Num: 2

Candidate Starts for QuickMath\_7:

(Start: 2 @5884 has 73 MA's), (9, 6019), (10, 6043), (12, 6055), (13, 6070), (15, 6088), (20, 6130), (21, 6157), (25, 6202), (26, 6205), (30, 6262), (33, 6283), (35, 6298), (40, 6373), (45, 6436),

Gene: Radiance\_7 Start: 5877, Stop: 6446, Start Num: 1

Candidate Starts for Radiance\_7:

(Start: 1 @5877 has 103 MA's), (Start: 2 @5880 has 73 MA's), (5, 5919), (6, 5961), (7, 5970), (9, 6015), (10, 6039), (13, 6066), (14, 6081), (15, 6084), (21, 6153), (24, 6195), (25, 6198), (27, 6225), (29, 6249), (33, 6279), (39, 6354), (40, 6369), (41, 6387),

Gene: RedBird\_7 Start: 5877, Stop: 6446, Start Num: 1

Candidate Starts for RedBird\_7:

(Start: 1 @5877 has 103 MA's), (Start: 2 @5880 has 73 MA's), (5, 5919), (6, 5961), (7, 5970), (9, 6015), (10, 6039), (13, 6066), (14, 6081), (15, 6084), (21, 6153), (24, 6195), (25, 6198), (27, 6225), (29, 6249), (33, 6279), (39, 6354), (40, 6369), (41, 6387),

Gene: Rita\_7 Start: 5884, Stop: 6450, Start Num: 2

Candidate Starts for Rita\_7:

(Start: 2 @5884 has 73 MA's), (9, 6019), (10, 6043), (12, 6055), (13, 6070), (15, 6088), (20, 6130), (21, 6157), (25, 6202), (26, 6205), (30, 6262), (33, 6283), (35, 6298), (40, 6373), (45, 6436),

Gene: RitaG\_7 Start: 5877, Stop: 6446, Start Num: 1

Candidate Starts for RitaG\_7:

(Start: 1 @5877 has 103 MA's), (Start: 2 @5880 has 73 MA's), (5, 5919), (6, 5961), (7, 5970), (9, 6015), (13, 6066), (14, 6081), (15, 6084), (21, 6153), (24, 6195), (25, 6198), (27, 6225), (29, 6249), (33, 6279), (39, 6354), (40, 6369), (41, 6387),

Gene: Rockne\_7 Start: 5894, Stop: 6463, Start Num: 1

Candidate Starts for Rockne\_7:

(Start: 1 @5894 has 103 MA's), (Start: 2 @5897 has 73 MA's), (5, 5936), (6, 5978), (7, 5987), (9, 6032), (10, 6056), (13, 6083), (14, 6098), (15, 6101), (21, 6170), (24, 6212), (25, 6215), (27, 6242), (29, 6266), (33, 6296), (39, 6371), (40, 6386),

Gene: Royals2015\_7 Start: 5883, Stop: 6449, Start Num: 2

Candidate Starts for Royals2015\_7:

(Start: 2 @5883 has 73 MA's), (9, 6018), (10, 6042), (12, 6054), (15, 6087), (20, 6129), (21, 6156), (25, 6201), (26, 6204), (30, 6261), (33, 6282), (35, 6297), (40, 6372), (45, 6435),

Gene: Ruby\_7 Start: 5883, Stop: 6452, Start Num: 1

Candidate Starts for Ruby\_7:

(Start: 1 @5883 has 103 MA's), (Start: 2 @5886 has 73 MA's), (6, 5967), (7, 5976), (9, 6021), (10, 6045), (13, 6072), (14, 6087), (15, 6090), (21, 6159), (24, 6201), (25, 6204), (27, 6231), (29, 6255), (33, 6285), (39, 6360), (40, 6375), (41, 6393),

Gene: RunningOnE\_68 Start: 32829, Stop: 33389, Start Num: 1

Candidate Starts for RunningOnE\_68:

(Start: 1 @32829 has 103 MA's), (11, 32994), (19, 33081), (25, 33153), (32, 33228), (36, 33252), (43, 33363),

Gene: SG4\_7 Start: 5883, Stop: 6449, Start Num: 2

Candidate Starts for SG4\_7:

(Start: 2 @5883 has 73 MA's), (9, 6018), (10, 6042), (12, 6054), (13, 6069), (15, 6087), (20, 6129), (21, 6156), (25, 6201), (26, 6204), (30, 6261), (33, 6282), (35, 6297), (40, 6372), (45, 6435),

Gene: Saal\_7 Start: 5866, Stop: 6435, Start Num: 1

Candidate Starts for Saal\_7:

(Start: 1 @5866 has 103 MA's), (Start: 2 @5869 has 73 MA's), (5, 5908), (6, 5950), (7, 5959), (9, 6004), (10, 6028), (13, 6055), (14, 6070), (15, 6073), (21, 6142), (24, 6184), (25, 6187), (27, 6214), (29, 6238), (33, 6268), (39, 6343), (40, 6358),

Gene: Sabbb\_7 Start: 5881, Stop: 6450, Start Num: 1

Candidate Starts for Sabbb\_7:

(Start: 1 @5881 has 103 MA's), (Start: 2 @5884 has 73 MA's), (6, 5965), (7, 5974), (9, 6019), (10, 6043), (13, 6070), (14, 6085), (15, 6088), (21, 6157), (24, 6199), (25, 6202), (27, 6229), (29, 6253), (33, 6283), (39, 6358), (40, 6373), (41, 6391),

Gene: Sandalphon\_7 Start: 5894, Stop: 6463, Start Num: 1

Candidate Starts for Sandalphon\_7:

(Start: 1 @5894 has 103 MA's), (Start: 2 @5897 has 73 MA's), (5, 5936), (6, 5978), (7, 5987), (9, 6032), (10, 6056), (13, 6083), (14, 6098), (15, 6101), (21, 6170), (24, 6212), (25, 6215), (27, 6242), (29, 6266), (33, 6296), (39, 6371), (40, 6386),

Gene: Sassafras\_7 Start: 5880, Stop: 6446, Start Num: 2

Candidate Starts for Sassafras\_7:

(Start: 1 @5877 has 103 MA's), (Start: 2 @5880 has 73 MA's), (5, 5919), (6, 5961), (7, 5970), (9, 6015), (10, 6039), (13, 6066), (14, 6081), (15, 6084), (21, 6153), (24, 6195), (25, 6198), (27, 6225), (29,

6249), (33, 6279), (39, 6354), (40, 6369), (41, 6387),

Gene: SassyB\_7 Start: 5883, Stop: 6449, Start Num: 2

Candidate Starts for SassyB\_7:

(Start: 2 @5883 has 73 MA's), (9, 6018), (10, 6042), (12, 6054), (13, 6069), (15, 6087), (20, 6129), (21, 6156), (25, 6201), (26, 6204), (30, 6261), (33, 6282), (35, 6297), (40, 6372), (45, 6435),

Gene: Scottish\_7 Start: 5877, Stop: 6446, Start Num: 1

Candidate Starts for Scottish\_7:

(Start: 1 @5877 has 103 MA's), (Start: 2 @5880 has 73 MA's), (5, 5919), (6, 5961), (7, 5970), (9, 6015), (13, 6066), (14, 6081), (15, 6084), (21, 6153), (24, 6195), (25, 6198), (27, 6225), (29, 6249), (33, 6279), (39, 6354), (40, 6369), (41, 6387),

Gene: SeaLumen\_7 Start: 5857, Stop: 6423, Start Num: 2

Candidate Starts for SeaLumen\_7:

(Start: 2 @5857 has 73 MA's), (9, 5992), (10, 6016), (12, 6028), (15, 6061), (20, 6103), (21, 6130), (25, 6175), (26, 6178), (30, 6235), (33, 6256), (35, 6271), (40, 6346), (45, 6409),

Gene: Seabastian\_7 Start: 5876, Stop: 6445, Start Num: 1

Candidate Starts for Seabastian\_7:

(Start: 1 @5876 has 103 MA's), (Start: 2 @5879 has 73 MA's), (6, 5960), (7, 5969), (9, 6014), (10, 6038), (13, 6065), (14, 6080), (15, 6083), (21, 6152), (24, 6194), (25, 6197), (27, 6224), (29, 6248), (33, 6278), (39, 6353), (40, 6368),

Gene: Shauna1\_7 Start: 5883, Stop: 6449, Start Num: 2

Candidate Starts for Shauna1\_7:

(Start: 2 @5883 has 73 MA's), (9, 6018), (10, 6042), (12, 6054), (13, 6069), (15, 6087), (20, 6129), (21, 6156), (26, 6204), (30, 6261), (33, 6282), (35, 6297), (40, 6372), (45, 6435),

Gene: ShiLan\_7 Start: 5878, Stop: 6447, Start Num: 1

Candidate Starts for ShiLan\_7:

(Start: 1 @5878 has 103 MA's), (Start: 2 @5881 has 73 MA's), (5, 5920), (6, 5962), (7, 5971), (9, 6016), (10, 6040), (13, 6067), (14, 6082), (15, 6085), (21, 6154), (24, 6196), (25, 6199), (27, 6226), (29, 6250), (33, 6280), (39, 6355), (40, 6370),

Gene: ShowerHandel\_7 Start: 5879, Stop: 6448, Start Num: 1

Candidate Starts for ShowerHandel\_7:

(Start: 1 @5879 has 103 MA's), (Start: 2 @5882 has 73 MA's), (5, 5921), (6, 5963), (7, 5972), (9, 6017), (10, 6041), (13, 6068), (14, 6083), (15, 6086), (21, 6155), (24, 6197), (25, 6200), (27, 6227), (29, 6251), (33, 6281), (39, 6356), (40, 6371),

Gene: ShroomBoi\_7 Start: 5883, Stop: 6449, Start Num: 2

Candidate Starts for ShroomBoi\_7:

(Start: 2 @5883 has 73 MA's), (9, 6018), (10, 6042), (12, 6054), (13, 6069), (15, 6087), (20, 6129), (21, 6156), (25, 6201), (26, 6204), (30, 6261), (33, 6282), (35, 6297), (40, 6372), (45, 6435),

Gene: SiSi\_7 Start: 5868, Stop: 6434, Start Num: 2

Candidate Starts for SiSi\_7:

(Start: 2 @5868 has 73 MA's), (9, 6003), (10, 6027), (13, 6054), (15, 6072), (20, 6114), (21, 6141), (25, 6186), (26, 6189), (30, 6246), (33, 6267), (35, 6282), (40, 6357), (45, 6420),

Gene: Sparkdehlily\_7 Start: 5893, Stop: 6462, Start Num: 1

Candidate Starts for Sparkdehlily\_7:

(Start: 1 @5893 has 103 MA's), (Start: 2 @5896 has 73 MA's), (5, 5935), (6, 5977), (7, 5986), (9, 6031), (10, 6055), (13, 6082), (14, 6097), (15, 6100), (21, 6169), (24, 6211), (25, 6214), (27, 6241), (29, 6265), (33, 6295), (39, 6370), (40, 6385), (41, 6403),

Gene: Spartacus\_7 Start: 5871, Stop: 6437, Start Num: 2

Candidate Starts for Spartacus\_7:

(Start: 2 @5871 has 73 MA's), (6, 5952), (8, 5994), (10, 6030), (12, 6042), (13, 6057), (15, 6075), (20, 6117), (21, 6144), (22, 6150), (25, 6189), (28, 6228), (30, 6249), (33, 6270), (35, 6285), (37, 6300), (42, 6387), (45, 6423),

Gene: Spooks\_53 Start: 31393, Stop: 31992, Start Num: 1

Candidate Starts for Spooks\_53:

(Start: 1 @31393 has 103 MA's), (3, 31417), (18, 31624), (23, 31705), (31, 31774), (34, 31804), (38, 31834), (46, 31954),

Gene: Spoonbill\_7 Start: 5879, Stop: 6448, Start Num: 1

Candidate Starts for Spoonbill\_7:

(Start: 1 @5879 has 103 MA's), (Start: 2 @5882 has 73 MA's), (6, 5963), (7, 5972), (9, 6017), (10, 6041), (13, 6068), (14, 6083), (15, 6086), (21, 6155), (24, 6197), (25, 6200), (27, 6227), (29, 6251), (33, 6281), (39, 6356), (40, 6371), (41, 6389),

Gene: StAnnes\_7 Start: 5883, Stop: 6449, Start Num: 2

Candidate Starts for StAnnes\_7:

(Start: 2 @5883 has 73 MA's), (9, 6018), (10, 6042), (12, 6054), (13, 6069), (15, 6087), (20, 6129), (21, 6156), (25, 6201), (26, 6204), (30, 6261), (33, 6282), (35, 6297), (40, 6372), (45, 6435),

Gene: Strokeseat\_7 Start: 5867, Stop: 6436, Start Num: 1

Candidate Starts for Strokeseat\_7:

(Start: 1 @5867 has 103 MA's), (Start: 2 @5870 has 73 MA's), (6, 5951), (7, 5960), (9, 6005), (10, 6029), (13, 6056), (14, 6071), (15, 6074), (21, 6143), (24, 6185), (25, 6188), (27, 6215), (29, 6239), (33, 6269), (39, 6344), (40, 6359),

Gene: Success\_54 Start: 30512, Stop: 31111, Start Num: 1

Candidate Starts for Success\_54:

(Start: 1 @30512 has 103 MA's), (3, 30536), (16, 30731), (23, 30824), (31, 30893), (34, 30923), (38, 30953), (44, 31052),

Gene: SuperGrey\_7 Start: 5883, Stop: 6449, Start Num: 2

Candidate Starts for SuperGrey\_7:

(Start: 2 @5883 has 73 MA's), (9, 6018), (10, 6042), (12, 6054), (13, 6069), (15, 6087), (20, 6129), (21, 6156), (25, 6201), (26, 6204), (30, 6261), (33, 6282), (35, 6297), (40, 6372), (45, 6435),

Gene: SwagPiggett\_7 Start: 5879, Stop: 6448, Start Num: 1

Candidate Starts for SwagPiggett\_7:

(Start: 1 @5879 has 103 MA's), (Start: 2 @5882 has 73 MA's), (5, 5921), (6, 5963), (7, 5972), (9, 6017), (10, 6041), (13, 6068), (14, 6083), (15, 6086), (21, 6155), (24, 6197), (25, 6200), (27, 6227), (29, 6251), (33, 6281), (39, 6356), (40, 6371),

Gene: TDanisky\_7 Start: 5893, Stop: 6462, Start Num: 1

Candidate Starts for TDanisky\_7:

(Start: 1 @5893 has 103 MA's), (Start: 2 @5896 has 73 MA's), (5, 5935), (6, 5977), (7, 5986), (9, 6031), (10, 6055), (13, 6082), (14, 6097), (15, 6100), (21, 6169), (24, 6211), (25, 6214), (27, 6241), (29, 6265), (33, 6295), (39, 6370), (40, 6385), (41, 6403),

Gene: Taj\_7 Start: 5883, Stop: 6449, Start Num: 2

Candidate Starts for Taj\_7:

(Start: 2 @5883 has 73 MA's), (9, 6018), (10, 6042), (12, 6054), (13, 6069), (15, 6087), (20, 6129), (21, 6156), (25, 6201), (26, 6204), (30, 6261), (33, 6282), (35, 6297), (40, 6372), (45, 6435),

Gene: Topiatin\_9 Start: 6533, Stop: 7099, Start Num: 2

Candidate Starts for Topiatin\_9:

(Start: 2 @6533 has 73 MA's), (9, 6668), (10, 6692), (12, 6704), (13, 6719), (15, 6737), (20, 6779), (21, 6806), (25, 6851), (26, 6854), (30, 6911), (33, 6932), (35, 6947), (40, 7022), (45, 7085),

Gene: Tweety\_7 Start: 5883, Stop: 6449, Start Num: 2

Candidate Starts for Tweety\_7:

(Start: 2 @5883 has 73 MA's), (9, 6018), (10, 6042), (12, 6054), (13, 6069), (15, 6087), (20, 6129), (21, 6156), (25, 6201), (26, 6204), (30, 6261), (33, 6282), (35, 6297), (40, 6372), (45, 6435),

Gene: VRedHorse\_7 Start: 5879, Stop: 6448, Start Num: 1

Candidate Starts for VRedHorse\_7:

(Start: 1 @5879 has 103 MA's), (Start: 2 @5882 has 73 MA's), (5, 5921), (6, 5963), (7, 5972), (9, 6017), (10, 6041), (13, 6068), (14, 6083), (15, 6086), (21, 6155), (24, 6197), (25, 6200), (27, 6227), (29, 6251), (33, 6281), (39, 6356), (40, 6371),

Gene: Veteran\_7 Start: 5894, Stop: 6463, Start Num: 1

Candidate Starts for Veteran\_7:

(Start: 1 @5894 has 103 MA's), (Start: 2 @5897 has 73 MA's), (6, 5978), (7, 5987), (9, 6032), (10, 6056), (13, 6083), (14, 6098), (15, 6101), (21, 6170), (24, 6212), (25, 6215), (27, 6242), (29, 6266), (33, 6296), (39, 6371), (40, 6386),

Gene: Violac\_7 Start: 5883, Stop: 6449, Start Num: 2

Candidate Starts for Violac\_7:

(Start: 1 @5880 has 103 MA's), (Start: 2 @5883 has 73 MA's), (6, 5964), (7, 5973), (9, 6018), (10, 6042), (13, 6069), (14, 6084), (15, 6087), (21, 6156), (24, 6198), (25, 6201), (27, 6228), (29, 6252), (33, 6282), (39, 6357), (40, 6372), (41, 6390),

Gene: Vivum\_7 Start: 5878, Stop: 6447, Start Num: 1

Candidate Starts for Vivum\_7:

(Start: 1 @5878 has 103 MA's), (Start: 2 @5881 has 73 MA's), (5, 5920), (6, 5962), (7, 5971), (9, 6016), (10, 6040), (13, 6067), (14, 6082), (15, 6085), (21, 6154), (24, 6196), (25, 6199), (27, 6226), (29, 6250), (33, 6280), (39, 6355), (40, 6370),

Gene: Wachhund\_7 Start: 5870, Stop: 6439, Start Num: 1

Candidate Starts for Wachhund\_7:

(Start: 1 @5870 has 103 MA's), (Start: 2 @5873 has 73 MA's), (6, 5954), (7, 5963), (9, 6008), (10, 6032), (13, 6059), (14, 6074), (15, 6077), (21, 6146), (24, 6188), (25, 6191), (27, 6218), (29, 6242), (33, 6272), (39, 6347), (40, 6362), (41, 6380),

Gene: Wee\_7 Start: 5883, Stop: 6449, Start Num: 2

Candidate Starts for Wee\_7:

(Start: 2 @5883 has 73 MA's), (9, 6018), (10, 6042), (12, 6054), (13, 6069), (15, 6087), (20, 6129), (21, 6156), (25, 6201), (26, 6204), (30, 6261), (33, 6282), (35, 6297), (40, 6372), (45, 6435),

Gene: Whatsapiecost\_7 Start: 5883, Stop: 6449, Start Num: 2

Candidate Starts for Whatsapiecost\_7:

(Start: 2 @5883 has 73 MA's), (9, 6018), (10, 6042), (12, 6054), (13, 6069), (15, 6087), (20, 6129), (21, 6156), (25, 6201), (26, 6204), (30, 6261), (33, 6282), (35, 6297), (40, 6372), (45, 6435),

Gene: Whouxphf\_7 Start: 5869, Stop: 6438, Start Num: 1

Candidate Starts for Whouxphf\_7:

(Start: 1 @5869 has 103 MA's), (Start: 2 @5872 has 73 MA's), (6, 5953), (7, 5962), (9, 6007), (10, 6031), (13, 6058), (14, 6073), (15, 6076), (21, 6145), (24, 6187), (25, 6190), (27, 6217), (29, 6241), (33, 6271), (39, 6346), (40, 6361), (41, 6379),

Gene: WillSterrel\_7 Start: 5871, Stop: 6437, Start Num: 2

Candidate Starts for WillSterrel\_7:

(Start: 2 @5871 has 73 MA's), (6, 5952), (8, 5994), (10, 6030), (12, 6042), (13, 6057), (15, 6075), (20, 6117), (21, 6144), (22, 6150), (25, 6189), (28, 6228), (30, 6249), (33, 6270), (35, 6285), (37, 6300), (42, 6387), (45, 6423),

Gene: XFactor\_7 Start: 5883, Stop: 6449, Start Num: 2

Candidate Starts for XFactor\_7:

(Start: 2 @5883 has 73 MA's), (9, 6018), (10, 6042), (12, 6054), (13, 6069), (15, 6087), (20, 6129), (21, 6156), (25, 6201), (26, 6204), (30, 6261), (33, 6282), (35, 6297), (40, 6372), (45, 6435),

Gene: Yorick\_7 Start: 5877, Stop: 6446, Start Num: 1

Candidate Starts for Yorick\_7:

(Start: 1 @5877 has 103 MA's), (Start: 2 @5880 has 73 MA's), (5, 5919), (6, 5961), (7, 5970), (9, 6015), (10, 6039), (13, 6066), (14, 6081), (15, 6084), (21, 6153), (24, 6195), (25, 6198), (27, 6225), (29, 6249), (33, 6279), (39, 6354), (40, 6369),

Gene: Zerg\_7 Start: 5878, Stop: 6447, Start Num: 1

Candidate Starts for Zerg\_7:

(Start: 1 @5878 has 103 MA's), (Start: 2 @5881 has 73 MA's), (5, 5920), (6, 5962), (7, 5971), (9, 6016), (10, 6040), (13, 6067), (14, 6082), (15, 6085), (21, 6154), (24, 6196), (25, 6199), (27, 6226), (29, 6250), (33, 6280), (39, 6355), (40, 6370),

Gene: Zizzle\_7 Start: 5881, Stop: 6450, Start Num: 1

Candidate Starts for Zizzle\_7:

(Start: 1 @5881 has 103 MA's), (Start: 2 @5884 has 73 MA's), (5, 5923), (6, 5965), (7, 5974), (9, 6019), (10, 6043), (13, 6070), (14, 6085), (15, 6088), (21, 6157), (24, 6199), (25, 6202), (27, 6229), (29, 6253), (33, 6283), (39, 6358), (40, 6373),