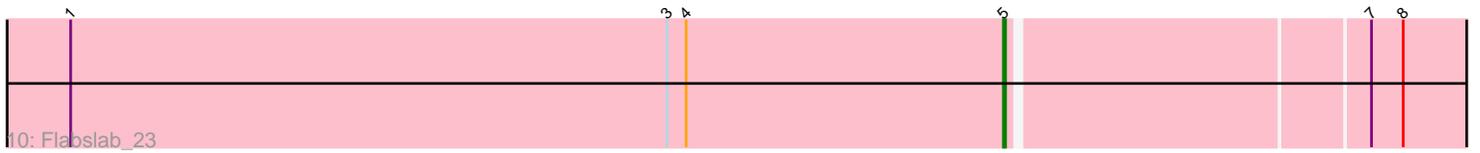
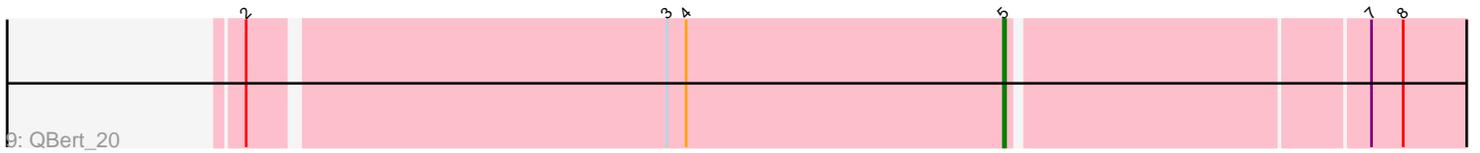
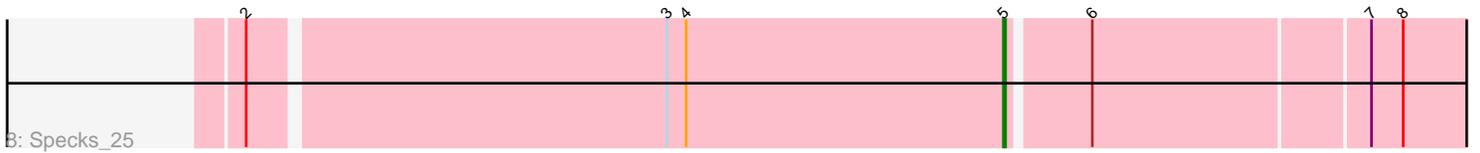
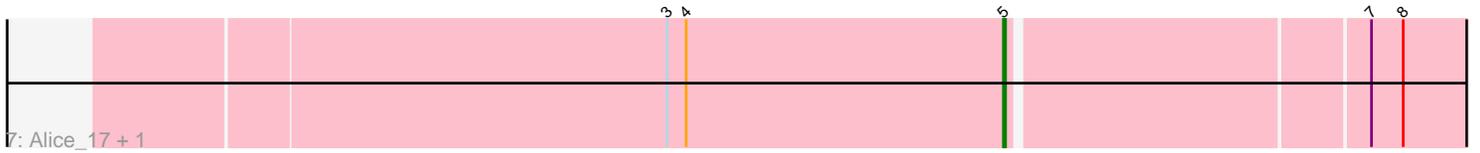
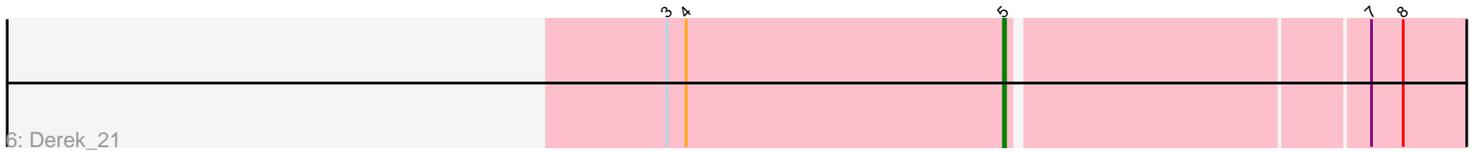
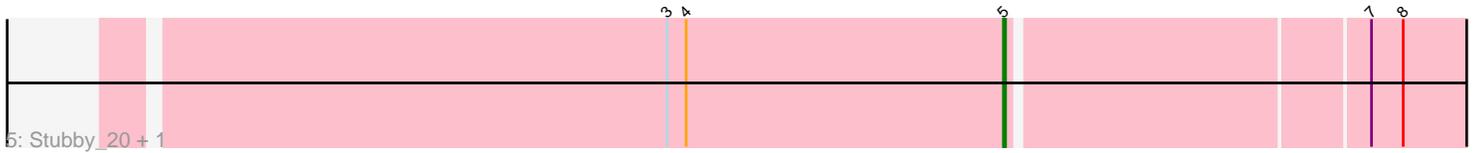
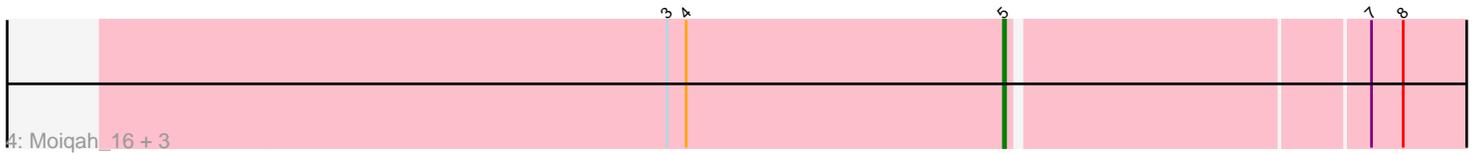
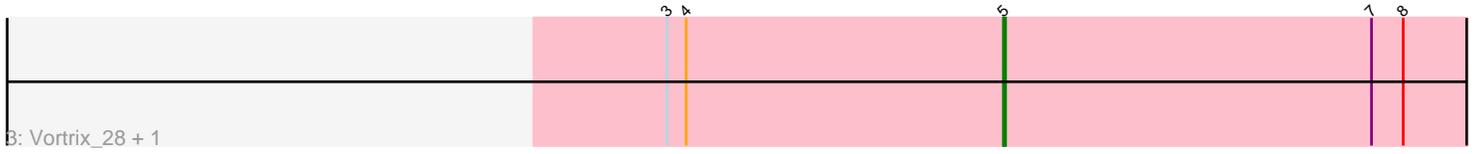
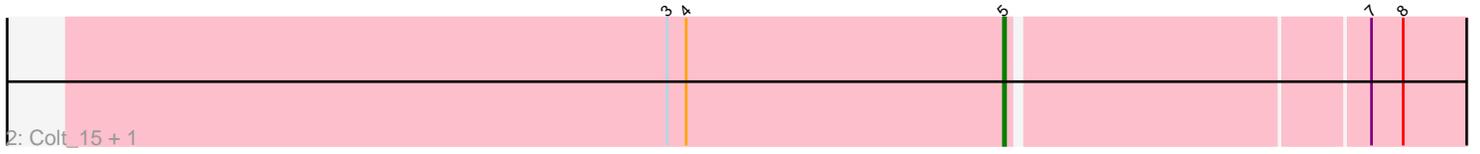
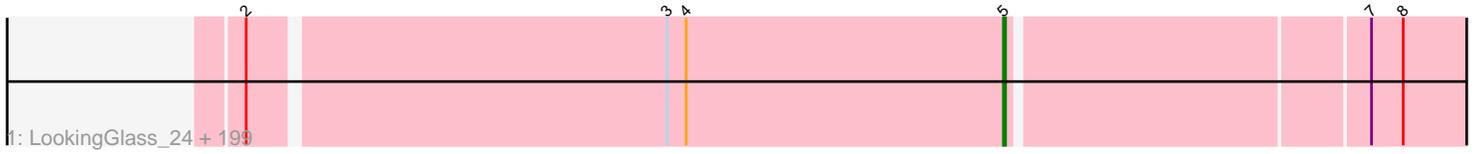


Pham 289084



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 289084 Report

This analysis was run 03/28/26 on database version 641.

Pham number 289084 has 216 members, 37 are drafts.

Phages represented in each track:

- Track 1 : LookingGlass\_24, McGee\_21, OrediggerDelux\_21, Kboogie\_21, Asterius\_23, Labradorite\_19, LolaVinca\_24, Teardrop\_20, Pleione\_23, Ghost\_21, ZygoTaiga\_22, GlutenPhree\_21, Chomp\_20, Ava3\_22, Janiyra\_20, Bigswole\_26, Koguma\_18, RoMag\_16, Amataga\_20, Ablatia\_20, EmToTheThree\_24, BackyardAgain\_19, Izajani\_22, Matsumoto\_20, Turret\_20, Shnickers\_20, Jessibeth14\_21, Khaleesi\_21, MoMoMixon\_23, Astraea\_22, Rizal\_20, IkeLoa\_17, Primadonna\_17, Blackbrain\_20, NedWong\_22, Ewok\_21, Belieber\_19, Patter\_20, I3\_23, LifeSavor\_21, FoxtrotP1\_22, CharlieB\_22, ArcherS7\_20, Drazdys\_22, Zalkecks\_23, LordLeafolot\_27, Phlegm\_22, PurduePete\_21, SrishMeg2525\_21, Phox\_21, Domi\_16, JulietS\_17, Rabinovish\_21, TinyTim\_21, Montpel\_21, Bangla1971\_20, Babyland\_20, Bread\_22, SmallFry\_20, BeanWater\_17, ET08\_18, Lee7\_21, EggyFarm\_25, Morizzled23\_20, InigoMontoya\_22, Concombre\_21, ChickenPhender\_20, Ading\_20, Atlantean\_20, Bonray\_21, Spud\_24, NuevoMundo\_25, Norm\_21, Yucca\_21, Grasshills\_25, Nappy\_23, Sprinklers\_22, InterFolia\_27, Lunareta\_21, FrayBell\_27, Bowman\_21, Darko\_20, Burrough\_22, Ronan\_17, Cali\_23, PharkleMinkus\_27, Fongie\_21, Latch\_20, Pier\_23, Loanshark\_21, Fixie\_19, Tyke\_23, Gamgam\_20, Trinitium\_20, Bxz1\_23, Basquiat\_20, Yassified\_19, ScottMcG\_23, ParkTD\_21, Shelob\_24, Daffodil\_23, Breeniome\_21, Adlitam\_20, Salacia\_23, Gabriel\_21, Jedediah\_21, YemiJoy2021\_22, Zeenon\_24, Tainan\_27, Delilah\_21, Blackdragon\_18, JigglyPuff\_22, Kamryn\_20, Guwapp\_20, Dandelion\_25, StubbySaigey\_21, FudgeTart\_22, Sauce\_23, CindyLou\_20, ChaylaJr\_20, ErnieJ\_24, Dietrick\_18, DrPhinkDaddy\_21, BobaPhatt\_19, Shaqnato\_18, Sebata\_23, Willis\_22, Melpomini\_20, Delylah\_24, Bipolarisk\_21, Halldule\_18, Jezreel\_20, Littleton\_21, Jemmno\_20, Cleatunium\_18, ShiaLabeouf\_20, Spec\_19, Maturis\_22, Duckfeet\_20, Naval22\_23, BigCity\_25, ValleyTerrace\_20, BadAgartude\_23, Quasimodo\_20, YoungMoneyMata\_21, Mikro\_20, Iota\_19, Tortoise16\_19, DeejaClivia\_18, Essence\_20, Ngannou\_20, Phusco\_20, Maby2021\_22, NoodleTree\_20, Erdmann\_22, Pupusa\_27, BananaFence\_23, Lukilu\_16, EasyJones\_21, Momo\_20, EmmaElysia\_20, Capablanca\_22, DirtMonster\_19, Chargie21\_20, LinStu\_23, Roots515\_21, Jaygup\_20, SilverDipper\_21, LRRHood\_20, Audrick\_22, StephanieG\_22, McWolfish\_21, Caravan\_21, Demodog\_20, Rocha\_20, Gizmo\_23, Issimir\_21, Nidhogg\_23, Substance289\_19, JustHall\_20, Pivoine\_20, Rahel\_20, JayJay\_24, Megamind\_21, Catera\_20, Fludd\_20, JPickles\_20, SVoro\_21, Dessert\_19, MikeLiesIn\_22, Pio\_24, Mangeria\_24, Grungle\_16, Wally\_20, Shrimp\_21, Cactojaque\_19, Lethe\_22, DTDevon\_22, Napoleon13\_20, Naija\_20
- Track 2 : Colt\_15, Cane17\_15

- Track 3 : Vortrix\_28, Tonenili\_27
- Track 4 : Moiqah\_16, Shifa\_19, HyRo\_20, Moby\_16
- Track 5 : Stubby\_20, Pinkcreek\_14
- Track 6 : Derek\_21
- Track 7 : Alice\_17, Bezza\_15
- Track 8 : Specks\_25
- Track 9 : QBert\_20
- Track 10 : Flabslab\_23

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

The start number called the most often in the published annotations is 5, it was called in 179 of the 179 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ablatia\_20, Ading\_20, Adlitam\_20, Alice\_17, Amataga\_20, ArcherS7\_20, Asterius\_23, Astraea\_22, Atlantean\_20, Audrick\_22, Ava3\_22, Babyland\_20, BackyardAgain\_19, BadAgartude\_23, BananaFence\_23, Bangla1971\_20, Basquiat\_20, BeanWater\_17, Belieber\_19, Bezza\_15, BigCity\_25, Bigswole\_26, Bipolarisk\_21, Blackbrain\_20, Blackdragon\_18, BobaPhatt\_19, Bonray\_21, Bowman\_21, Bread\_22, Breeniome\_21, Burrough\_22, Bxz1\_23, Cactojaque\_19, Cali\_23, Cane17\_15, Capablanca\_22, Caravan\_21, Catera\_20, Chargie21\_20, CharlieB\_22, ChaylaJr\_20, ChickenPhender\_20, Chomp\_20, CindyLou\_20, Cleatunium\_18, Colt\_15, Concombre\_21, DTDevon\_22, Daffodil\_23, Dandelion\_25, Darko\_20, DeejaClivia\_18, Delilah\_21, Delylah\_24, Demodog\_20, Derek\_21, Dessert\_19, Dietrick\_18, DirtMonster\_19, Domi\_16, DrPhinkDaddy\_21, Drazdys\_22, Duckfeet\_20, ET08\_18, EasyJones\_21, EggyFarm\_25, EmToTheThree\_24, EmmaElysia\_20, Erdmann\_22, ErnieJ\_24, Essence\_20, Ewok\_21, Fixie\_19, Flabslab\_23, Fludd\_20, Fongie\_21, FoxtrotP1\_22, FrayBell\_27, FudgeTart\_22, Gabriel\_21, Gamgam\_20, Ghost\_21, Gizmo\_23, GlutenPhree\_21, Grasshills\_25, Grungle\_16, Guwapp\_20, Halldule\_18, HyRo\_20, I3\_23, IkeLoa\_17, InigoMontoya\_22, InterFolia\_27, Iota\_19, Issimir\_21, Izajani\_22, JPickles\_20, Janiyra\_20, JayJay\_24, Jaygup\_20, Jedediah\_21, Jemmno\_20, Jessibeth14\_21, Jezreel\_20, JigglyPuff\_22, JulietS\_17, JustHall\_20, Kamryn\_20, Kboogie\_21, Khaleesi\_21, Koguma\_18, LRRHood\_20, Labradorite\_19, Latch\_20, Lee7\_21, Lethe\_22, LifeSavor\_21, LinStu\_23, Littleton\_21, Loanshark\_21, LolaVinca\_24, LookingGlass\_24, LordLeafolot\_27, Lukilu\_16, Lunareta\_21, Maby2021\_22, Mangeria\_24, Matsumoto\_20, Maturis\_22, McGee\_21, McWolfish\_21, Megamind\_21, Melpomini\_20, MikeLiesIn\_22, Mikro\_20, MoMoMixon\_23, Moby\_16, Moiqah\_16, Momo\_20, Montpel\_21, Morizzled23\_20, Naija\_20, Napoleon13\_20, Nappy\_23, Naval22\_23, NedWong\_22, Ngannou\_20, Nidhogg\_23, NoodleTree\_20, Norm\_21, NuevoMundo\_25, OrediggerDelux\_21, ParkTD\_21, Patter\_20, PharkleMinkus\_27, Phlegm\_22, Phox\_21, Phusco\_20, Pier\_23, Pinkcreek\_14, Pio\_24, Pivoine\_20, Pleione\_23, Primadonna\_17, Pupusa\_27, PurduePete\_21, QBert\_20, Quasimodo\_20, Rabinovish\_21, Rahel\_20, Rizal\_20, RoMag\_16, Rocha\_20, Ronan\_17, Roots515\_21, SVoro\_21, Salacia\_23, Sauce\_23, ScottMcG\_23, Sebata\_23, Shaqnato\_18, Shelob\_24, ShiaLabeouf\_20, Shifa\_19, Shnickers\_20, Shrimp\_21, SilverDipper\_21, SmallFry\_20, Spec\_19, Specks\_25, Sprinklers\_22, Spud\_24, SrishMeg2525\_21, StephanieG\_22, StubbySaigey\_21, Stubby\_20, Substance289\_19, Tainan\_27, Teardrop\_20, TinyTim\_21, Tonenili\_27,

Tortoise16\_19, Trinitium\_20, Turret\_20, Tyke\_23, ValleyTerrace\_20, Vortrix\_28, Wally\_20, Willis\_22, Yassified\_19, YemiJoy2021\_22, YoungMoneyMata\_21, Yucca\_21, Zalkecks\_23, Zeenon\_24, ZygoTaiga\_22,

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

- 

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

- 

### Summary by start number:

Start 5:

- Found in 216 of 216 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 179 of 179
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ablatia\_20 (C1), Ading\_20 (C1), Adlitam\_20 (C1), Alice\_17 (C1), Amataga\_20 (C1), ArcherS7\_20 (C1), Asterius\_23 (C1), Astraea\_22 (C1), Atlantean\_20 (C1), Audrick\_22 (C1), Ava3\_22 (C1), Babyland\_20 (C1), BackyardAgain\_19 (C1), BadAgartude\_23 (C1), BananaFence\_23 (C1), Bangla1971\_20 (C1), Basquiat\_20 (C1), BeanWater\_17 (C1), Belieber\_19 (C1), Bezza\_15 (C1), BigCity\_25 (C1), Bigswole\_26 (C1), Bipolarisk\_21 (C1), Blackbrain\_20 (C1), Blackdragon\_18 (C1), BobaPhatt\_19 (C1), Bonray\_21 (C1), Bowman\_21 (C1), Bread\_22 (C1), Breeniome\_21 (C1), Burrough\_22 (C1), Bxz1\_23 (C1), Cactojaque\_19 (C1), Cali\_23 (C1), Cane17\_15 (C1), Capablanca\_22 (C1), Caravan\_21 (C1), Catera\_20 (C1), Chargie21\_20 (C1), CharlieB\_22 (C1), ChaylaJr\_20 (C1), ChickenPhender\_20 (C1), Chomp\_20 (C1), CindyLou\_20 (C1), Cleatunium\_18 (C1), Colt\_15 (C1), Concombre\_21 (C1), DTDevon\_22 (C1), Daffodil\_23 (C1), Dandelion\_25 (C1), Darko\_20 (C1), DeejaClivia\_18 (C1), Delilah\_21 (C1), Delylah\_24 (C1), Demodog\_20 (C1), Derek\_21 (C1), Dessert\_19 (C1), Dietrick\_18 (C1), DirtMonster\_19 (C1), Domi\_16 (C1), DrPhinkDaddy\_21 (C1), Drazdys\_22 (C1), Duckfeet\_20 (C1), ET08\_18 (C1), EasyJones\_21 (C1), EggyFarm\_25 (C1), EmToTheThree\_24 (C1), EmmaElysia\_20 (C1), Erdmann\_22 (C1), ErnieJ\_24 (C1), Essence\_20 (C1), Ewok\_21 (C1), Fixie\_19 (C1), Flabslab\_23 (C1), Fludd\_20 (C1), Fongie\_21 (C1), FoxtrotP1\_22 (C1), FrayBell\_27 (C1), FudgeTart\_22 (C1), Gabriel\_21 (C1), Gamgam\_20 (C1), Ghost\_21 (C1), Gizmo\_23 (C1), GlutenPhree\_21 (C1), Grasshills\_25 (C1), Grungle\_16 (C1), Guwapp\_20 (C1), Haldule\_18 (C1), HyRo\_20 (C1), I3\_23 (C1), IkeLoa\_17 (C1), InigoMontoya\_22 (C1), InterFolia\_27 (C1), Iota\_19 (C1), Issimir\_21 (C1), Izajani\_22 (C1), JPickles\_20 (C1), Janiyra\_20 (C1), JayJay\_24 (C1), Jaygup\_20 (C1), Jedediah\_21 (C1), Jemmno\_20 (C1), Jessibeth14\_21 (C1), Jezreel\_20 (C1), JigglyPuff\_22 (C1), JulietS\_17 (C1), JustHall\_20 (C1), Kamryn\_20 (C1), Kboogie\_21 (C1), Khaleesi\_21 (C1), Koguma\_18 (C1), LRRHood\_20 (C1), Labradorite\_19 (C1), Latch\_20 (C1), Lee7\_21 (C1), Lethe\_22 (C1), LifeSavor\_21 (C1), LinStu\_23 (C1), Littleton\_21 (C1), Loanshark\_21 (C1), LolaVinca\_24 (C1), LookingGlass\_24 (C1), LordLeafolot\_27 (C1), Lukilu\_16 (C1), Lunareta\_21 (C1), Maby2021\_22 (C1), Mangeria\_24 (C1), Matsumoto\_20 (C1), Maturis\_22 (C1), McGee\_21 (C1), McWolfish\_21 (C1), Megamind\_21 (C1), Melpomini\_20 (C1), MikeLiesIn\_22 (C1), Mikro\_20 (C1), MoMoMixon\_23 (C1), Moby\_16 (C1), Moiqah\_16 (C1), Momo\_20 (C1), Montpel\_21 (C1), Morizzled23\_20 (C1), Naija\_20 (C1), Napoleon13\_20 (C1), Nappy\_23 (C1), Naval22\_23 (C1), NedWong\_22 (C1), Ngannou\_20 (C1), Nidhogg\_23 (C1), NoodleTree\_20 (C1), Norm\_21 (C1), NuevoMundo\_25 (C1), OrediggerDelux\_21 (C1), ParkTD\_21 (C1), Patter\_20 (C1), PharkleMinkus\_27 (C1), Phlegm\_22 (C1), Phox\_21 (C1), Phusco\_20

(C1), Pier\_23 (C1), Pinkcreek\_14 (C1), Pio\_24 (C1), Pivoine\_20 (C1), Pleione\_23 (C1), Primadonna\_17 (C1), Pupusa\_27 (C1), PurduePete\_21 (C1), QBert\_20 (C1), Quasimodo\_20 (C1), Rabinovish\_21 (C1), Rahel\_20 (C1), Rizal\_20 (C1), RoMag\_16 (C1), Rocha\_20 (C1), Ronan\_17 (C1), Roots515\_21 (C1), SVoro\_21 (C1), Salacia\_23 (C1), Sauce\_23 (C1), ScottMcG\_23 (C1), Sebata\_23 (C1), Shaqnato\_18 (C1), Shelob\_24 (C1), ShiaLabeouf\_20 (C1), Shifa\_19 (C1), Shnickers\_20 (C1), Shrimp\_21 (C1), SilverDipper\_21 (C1), SmallFry\_20 (C1), Spec\_19 (C1), Specks\_25 (C1), Sprinklers\_22 (C1), Spud\_24 (C1), SrishMeg2525\_21 (C1), StephanieG\_22 (C1), StubbySaigey\_21 (C1), Stubby\_20 (C1), Substance289\_19 (C1), Tainan\_27 (C1), Teardrop\_20 (C1), TinyTim\_21 (C1), Tonenili\_27 (C1), Tortoise16\_19 (C1), Trinitium\_20 (C1), Turret\_20 (C1), Tyke\_23 (C1), ValleyTerrace\_20 (C1), Vortrix\_28 (C1), Wally\_20 (C1), Willis\_22 (C1), Yassified\_19 (C1), YemiJoy2021\_22 (C1), YoungMoneyMata\_21 (C1), Yucca\_21 (C1), Zalkecks\_23 (C1), Zeenon\_24 (C1), ZygoTaiga\_22 (C1),

### Summary by clusters:

There is one cluster represented in this pham: C1

Info for manual annotations of cluster C1:

- Start number 5 was manually annotated 179 times for cluster C1.

### Gene Information:

Gene: Ablatia\_20 Start: 6310, Stop: 6537, Start Num: 5

Candidate Starts for Ablatia\_20:

(2, 5962), (3, 6151), (4, 6160), (Start: 5 @6310 has 179 MA's), (7, 6472), (8, 6487),

Gene: Ading\_20 Start: 6287, Stop: 6514, Start Num: 5

Candidate Starts for Ading\_20:

(2, 5939), (3, 6128), (4, 6137), (Start: 5 @6287 has 179 MA's), (7, 6449), (8, 6464),

Gene: Adlitam\_20 Start: 6304, Stop: 6531, Start Num: 5

Candidate Starts for Adlitam\_20:

(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 179 MA's), (7, 6466), (8, 6481),

Gene: Alice\_17 Start: 6179, Stop: 6406, Start Num: 5

Candidate Starts for Alice\_17:

(3, 6020), (4, 6029), (Start: 5 @6179 has 179 MA's), (7, 6341), (8, 6356),

Gene: Amataga\_20 Start: 6308, Stop: 6535, Start Num: 5

Candidate Starts for Amataga\_20:

(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 179 MA's), (7, 6470), (8, 6485),

Gene: ArcherS7\_20 Start: 6304, Stop: 6531, Start Num: 5

Candidate Starts for ArcherS7\_20:

(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 179 MA's), (7, 6466), (8, 6481),

Gene: Asterius\_23 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for Asterius\_23:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 179 MA's), (7, 7580), (8, 7595),

Gene: Astraea\_22 Start: 7025, Stop: 7252, Start Num: 5

Candidate Starts for Astraea\_22:

(2, 6677), (3, 6866), (4, 6875), (Start: 5 @7025 has 179 MA's), (7, 7187), (8, 7202),

Gene: Atlantean\_20 Start: 6308, Stop: 6535, Start Num: 5

Candidate Starts for Atlantean\_20:

(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 179 MA's), (7, 6470), (8, 6485),

Gene: Audrick\_22 Start: 6287, Stop: 6514, Start Num: 5

Candidate Starts for Audrick\_22:

(2, 5939), (3, 6128), (4, 6137), (Start: 5 @6287 has 179 MA's), (7, 6449), (8, 6464),

Gene: Ava3\_22 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for Ava3\_22:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 179 MA's), (7, 7580), (8, 7595),

Gene: Babyland\_20 Start: 6308, Stop: 6535, Start Num: 5

Candidate Starts for Babyland\_20:

(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 179 MA's), (7, 6470), (8, 6485),

Gene: BackyardAgain\_19 Start: 6304, Stop: 6531, Start Num: 5

Candidate Starts for BackyardAgain\_19:

(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 179 MA's), (7, 6466), (8, 6481),

Gene: BadAgartude\_23 Start: 7746, Stop: 7973, Start Num: 5

Candidate Starts for BadAgartude\_23:

(2, 7398), (3, 7587), (4, 7596), (Start: 5 @7746 has 179 MA's), (7, 7908), (8, 7923),

Gene: BananaFence\_23 Start: 7311, Stop: 7538, Start Num: 5

Candidate Starts for BananaFence\_23:

(2, 6963), (3, 7152), (4, 7161), (Start: 5 @7311 has 179 MA's), (7, 7473), (8, 7488),

Gene: Bangla1971\_20 Start: 6304, Stop: 6531, Start Num: 5

Candidate Starts for Bangla1971\_20:

(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 179 MA's), (7, 6466), (8, 6481),

Gene: Basquiat\_20 Start: 6289, Stop: 6516, Start Num: 5

Candidate Starts for Basquiat\_20:

(2, 5941), (3, 6130), (4, 6139), (Start: 5 @6289 has 179 MA's), (7, 6451), (8, 6466),

Gene: BeanWater\_17 Start: 6728, Stop: 6955, Start Num: 5

Candidate Starts for BeanWater\_17:

(2, 6380), (3, 6569), (4, 6578), (Start: 5 @6728 has 179 MA's), (7, 6890), (8, 6905),

Gene: Belieber\_19 Start: 6308, Stop: 6535, Start Num: 5

Candidate Starts for Belieber\_19:

(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 179 MA's), (7, 6470), (8, 6485),

Gene: Bezza\_15 Start: 6179, Stop: 6406, Start Num: 5

Candidate Starts for Bezza\_15:

(3, 6020), (4, 6029), (Start: 5 @6179 has 179 MA's), (7, 6341), (8, 6356),

Gene: BigCity\_25 Start: 8678, Stop: 8905, Start Num: 5  
Candidate Starts for BigCity\_25:  
(2, 8330), (3, 8519), (4, 8528), (Start: 5 @8678 has 179 MA's), (7, 8840), (8, 8855),

Gene: Bigswole\_26 Start: 8741, Stop: 8968, Start Num: 5  
Candidate Starts for Bigswole\_26:  
(2, 8393), (3, 8582), (4, 8591), (Start: 5 @8741 has 179 MA's), (7, 8903), (8, 8918),

Gene: Bipolarisk\_21 Start: 7418, Stop: 7645, Start Num: 5  
Candidate Starts for Bipolarisk\_21:  
(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 179 MA's), (7, 7580), (8, 7595),

Gene: Blackbrain\_20 Start: 6349, Stop: 6576, Start Num: 5  
Candidate Starts for Blackbrain\_20:  
(2, 6001), (3, 6190), (4, 6199), (Start: 5 @6349 has 179 MA's), (7, 6511), (8, 6526),

Gene: Blackdragon\_18 Start: 6155, Stop: 6382, Start Num: 5  
Candidate Starts for Blackdragon\_18:  
(2, 5807), (3, 5996), (4, 6005), (Start: 5 @6155 has 179 MA's), (7, 6317), (8, 6332),

Gene: BobaPhatt\_19 Start: 6308, Stop: 6535, Start Num: 5  
Candidate Starts for BobaPhatt\_19:  
(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 179 MA's), (7, 6470), (8, 6485),

Gene: Bonray\_21 Start: 7412, Stop: 7639, Start Num: 5  
Candidate Starts for Bonray\_21:  
(2, 7064), (3, 7253), (4, 7262), (Start: 5 @7412 has 179 MA's), (7, 7574), (8, 7589),

Gene: Bowman\_21 Start: 7418, Stop: 7645, Start Num: 5  
Candidate Starts for Bowman\_21:  
(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 179 MA's), (7, 7580), (8, 7595),

Gene: Bread\_22 Start: 7418, Stop: 7645, Start Num: 5  
Candidate Starts for Bread\_22:  
(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 179 MA's), (7, 7580), (8, 7595),

Gene: Breeniome\_21 Start: 6304, Stop: 6531, Start Num: 5  
Candidate Starts for Breeniome\_21:  
(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 179 MA's), (7, 6466), (8, 6481),

Gene: Burrough\_22 Start: 7418, Stop: 7645, Start Num: 5  
Candidate Starts for Burrough\_22:  
(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 179 MA's), (7, 7580), (8, 7595),

Gene: Bxz1\_23 Start: 7851, Stop: 8078, Start Num: 5  
Candidate Starts for Bxz1\_23:  
(2, 7503), (3, 7692), (4, 7701), (Start: 5 @7851 has 179 MA's), (7, 8013), (8, 8028),

Gene: Cactojaque\_19 Start: 6238, Stop: 6465, Start Num: 5  
Candidate Starts for Cactojaque\_19:  
(2, 5890), (3, 6079), (4, 6088), (Start: 5 @6238 has 179 MA's), (7, 6400), (8, 6415),

Gene: Cali\_23 Start: 8722, Stop: 8949, Start Num: 5

Candidate Starts for Cali\_23:

(2, 8374), (3, 8563), (4, 8572), (Start: 5 @8722 has 179 MA's), (7, 8884), (8, 8899),

Gene: Cane17\_15 Start: 5760, Stop: 5987, Start Num: 5

Candidate Starts for Cane17\_15:

(3, 5601), (4, 5610), (Start: 5 @5760 has 179 MA's), (7, 5922), (8, 5937),

Gene: Capablanca\_22 Start: 7433, Stop: 7660, Start Num: 5

Candidate Starts for Capablanca\_22:

(2, 7085), (3, 7274), (4, 7283), (Start: 5 @7433 has 179 MA's), (7, 7595), (8, 7610),

Gene: Caravan\_21 Start: 6692, Stop: 6919, Start Num: 5

Candidate Starts for Caravan\_21:

(2, 6344), (3, 6533), (4, 6542), (Start: 5 @6692 has 179 MA's), (7, 6854), (8, 6869),

Gene: Catera\_20 Start: 6308, Stop: 6535, Start Num: 5

Candidate Starts for Catera\_20:

(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 179 MA's), (7, 6470), (8, 6485),

Gene: Chargie21\_20 Start: 6289, Stop: 6516, Start Num: 5

Candidate Starts for Chargie21\_20:

(2, 5941), (3, 6130), (4, 6139), (Start: 5 @6289 has 179 MA's), (7, 6451), (8, 6466),

Gene: CharlieB\_22 Start: 6687, Stop: 6914, Start Num: 5

Candidate Starts for CharlieB\_22:

(2, 6339), (3, 6528), (4, 6537), (Start: 5 @6687 has 179 MA's), (7, 6849), (8, 6864),

Gene: ChaylaJr\_20 Start: 6376, Stop: 6603, Start Num: 5

Candidate Starts for ChaylaJr\_20:

(2, 6028), (3, 6217), (4, 6226), (Start: 5 @6376 has 179 MA's), (7, 6538), (8, 6553),

Gene: ChickenPhender\_20 Start: 6334, Stop: 6561, Start Num: 5

Candidate Starts for ChickenPhender\_20:

(2, 5986), (3, 6175), (4, 6184), (Start: 5 @6334 has 179 MA's), (7, 6496), (8, 6511),

Gene: Chomp\_20 Start: 6308, Stop: 6535, Start Num: 5

Candidate Starts for Chomp\_20:

(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 179 MA's), (7, 6470), (8, 6485),

Gene: CindyLou\_20 Start: 6308, Stop: 6535, Start Num: 5

Candidate Starts for CindyLou\_20:

(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 179 MA's), (7, 6470), (8, 6485),

Gene: Cleatunium\_18 Start: 6580, Stop: 6807, Start Num: 5

Candidate Starts for Cleatunium\_18:

(2, 6232), (3, 6421), (4, 6430), (Start: 5 @6580 has 179 MA's), (7, 6742), (8, 6757),

Gene: Colt\_15 Start: 5766, Stop: 5993, Start Num: 5

Candidate Starts for Colt\_15:

(3, 5607), (4, 5616), (Start: 5 @5766 has 179 MA's), (7, 5928), (8, 5943),

Gene: Concombres\_21 Start: 7374, Stop: 7601, Start Num: 5

Candidate Starts for Concombres\_21:

(2, 7026), (3, 7215), (4, 7224), (Start: 5 @7374 has 179 MA's), (7, 7536), (8, 7551),

Gene: DTDevon\_22 Start: 7472, Stop: 7699, Start Num: 5

Candidate Starts for DTDevon\_22:

(2, 7124), (3, 7313), (4, 7322), (Start: 5 @7472 has 179 MA's), (7, 7634), (8, 7649),

Gene: Daffodil\_23 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for Daffodil\_23:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 179 MA's), (7, 7580), (8, 7595),

Gene: Dandelion\_25 Start: 8201, Stop: 8428, Start Num: 5

Candidate Starts for Dandelion\_25:

(2, 7853), (3, 8042), (4, 8051), (Start: 5 @8201 has 179 MA's), (7, 8363), (8, 8378),

Gene: Darko\_20 Start: 7280, Stop: 7507, Start Num: 5

Candidate Starts for Darko\_20:

(2, 6932), (3, 7121), (4, 7130), (Start: 5 @7280 has 179 MA's), (7, 7442), (8, 7457),

Gene: DeejaClivia\_18 Start: 6197, Stop: 6424, Start Num: 5

Candidate Starts for DeejaClivia\_18:

(2, 5849), (3, 6038), (4, 6047), (Start: 5 @6197 has 179 MA's), (7, 6359), (8, 6374),

Gene: Delilah\_21 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for Delilah\_21:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 179 MA's), (7, 7580), (8, 7595),

Gene: Delylah\_24 Start: 7445, Stop: 7672, Start Num: 5

Candidate Starts for Delylah\_24:

(2, 7097), (3, 7286), (4, 7295), (Start: 5 @7445 has 179 MA's), (7, 7607), (8, 7622),

Gene: Demodog\_20 Start: 7374, Stop: 7601, Start Num: 5

Candidate Starts for Demodog\_20:

(2, 7026), (3, 7215), (4, 7224), (Start: 5 @7374 has 179 MA's), (7, 7536), (8, 7551),

Gene: Derek\_21 Start: 6304, Stop: 6531, Start Num: 5

Candidate Starts for Derek\_21:

(3, 6145), (4, 6154), (Start: 5 @6304 has 179 MA's), (7, 6466), (8, 6481),

Gene: Dessert\_19 Start: 6308, Stop: 6535, Start Num: 5

Candidate Starts for Dessert\_19:

(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 179 MA's), (7, 6470), (8, 6485),

Gene: Dietrick\_18 Start: 6306, Stop: 6533, Start Num: 5

Candidate Starts for Dietrick\_18:

(2, 5958), (3, 6147), (4, 6156), (Start: 5 @6306 has 179 MA's), (7, 6468), (8, 6483),

Gene: DirtMonster\_19 Start: 7433, Stop: 7660, Start Num: 5

Candidate Starts for DirtMonster\_19:

(2, 7085), (3, 7274), (4, 7283), (Start: 5 @7433 has 179 MA's), (7, 7595), (8, 7610),

Gene: Domi\_16 Start: 6423, Stop: 6650, Start Num: 5

Candidate Starts for Domi\_16:

(2, 6075), (3, 6264), (4, 6273), (Start: 5 @6423 has 179 MA's), (7, 6585), (8, 6600),

Gene: DrPhinkDaddy\_21 Start: 7418, Stop: 7645, Start Num: 5  
Candidate Starts for DrPhinkDaddy\_21:  
(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 179 MA's), (7, 7580), (8, 7595),

Gene: Drazdys\_22 Start: 7173, Stop: 7400, Start Num: 5  
Candidate Starts for Drazdys\_22:  
(2, 6825), (3, 7014), (4, 7023), (Start: 5 @7173 has 179 MA's), (7, 7335), (8, 7350),

Gene: Duckfeet\_20 Start: 6848, Stop: 7075, Start Num: 5  
Candidate Starts for Duckfeet\_20:  
(2, 6500), (3, 6689), (4, 6698), (Start: 5 @6848 has 179 MA's), (7, 7010), (8, 7025),

Gene: ET08\_18 Start: 7115, Stop: 7342, Start Num: 5  
Candidate Starts for ET08\_18:  
(2, 6767), (3, 6956), (4, 6965), (Start: 5 @7115 has 179 MA's), (7, 7277), (8, 7292),

Gene: EasyJones\_21 Start: 6289, Stop: 6516, Start Num: 5  
Candidate Starts for EasyJones\_21:  
(2, 5941), (3, 6130), (4, 6139), (Start: 5 @6289 has 179 MA's), (7, 6451), (8, 6466),

Gene: EggyFarm\_25 Start: 8678, Stop: 8905, Start Num: 5  
Candidate Starts for EggyFarm\_25:  
(2, 8330), (3, 8519), (4, 8528), (Start: 5 @8678 has 179 MA's), (7, 8840), (8, 8855),

Gene: EmToTheThree\_24 Start: 8832, Stop: 9059, Start Num: 5  
Candidate Starts for EmToTheThree\_24:  
(2, 8484), (3, 8673), (4, 8682), (Start: 5 @8832 has 179 MA's), (7, 8994), (8, 9009),

Gene: EmmaElysia\_20 Start: 6304, Stop: 6531, Start Num: 5  
Candidate Starts for EmmaElysia\_20:  
(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 179 MA's), (7, 6466), (8, 6481),

Gene: Erdmann\_22 Start: 7418, Stop: 7645, Start Num: 5  
Candidate Starts for Erdmann\_22:  
(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 179 MA's), (7, 7580), (8, 7595),

Gene: ErnieJ\_24 Start: 7479, Stop: 7706, Start Num: 5  
Candidate Starts for ErnieJ\_24:  
(2, 7131), (3, 7320), (4, 7329), (Start: 5 @7479 has 179 MA's), (7, 7641), (8, 7656),

Gene: Essence\_20 Start: 6304, Stop: 6531, Start Num: 5  
Candidate Starts for Essence\_20:  
(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 179 MA's), (7, 6466), (8, 6481),

Gene: Ewok\_21 Start: 7418, Stop: 7645, Start Num: 5  
Candidate Starts for Ewok\_21:  
(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 179 MA's), (7, 7580), (8, 7595),

Gene: Fixie\_19 Start: 6289, Stop: 6516, Start Num: 5  
Candidate Starts for Fixie\_19:  
(2, 5941), (3, 6130), (4, 6139), (Start: 5 @6289 has 179 MA's), (7, 6451), (8, 6466),

Gene: Flabslab\_23 Start: 7578, Stop: 7805, Start Num: 5

Candidate Starts for Flabslab\_23:

(1, 7137), (3, 7419), (4, 7428), (Start: 5 @7578 has 179 MA's), (7, 7740), (8, 7755),

Gene: Fludd\_20 Start: 6290, Stop: 6517, Start Num: 5

Candidate Starts for Fludd\_20:

(2, 5942), (3, 6131), (4, 6140), (Start: 5 @6290 has 179 MA's), (7, 6452), (8, 6467),

Gene: Fongie\_21 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for Fongie\_21:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 179 MA's), (7, 7580), (8, 7595),

Gene: FoxtrotP1\_22 Start: 7977, Stop: 8204, Start Num: 5

Candidate Starts for FoxtrotP1\_22:

(2, 7629), (3, 7818), (4, 7827), (Start: 5 @7977 has 179 MA's), (7, 8139), (8, 8154),

Gene: FrayBell\_27 Start: 8998, Stop: 9225, Start Num: 5

Candidate Starts for FrayBell\_27:

(2, 8650), (3, 8839), (4, 8848), (Start: 5 @8998 has 179 MA's), (7, 9160), (8, 9175),

Gene: FudgeTart\_22 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for FudgeTart\_22:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 179 MA's), (7, 7580), (8, 7595),

Gene: Gabriel\_21 Start: 6304, Stop: 6531, Start Num: 5

Candidate Starts for Gabriel\_21:

(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 179 MA's), (7, 6466), (8, 6481),

Gene: Gamgam\_20 Start: 6308, Stop: 6535, Start Num: 5

Candidate Starts for Gamgam\_20:

(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 179 MA's), (7, 6470), (8, 6485),

Gene: Ghost\_21 Start: 6308, Stop: 6535, Start Num: 5

Candidate Starts for Ghost\_21:

(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 179 MA's), (7, 6470), (8, 6485),

Gene: Gizmo\_23 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for Gizmo\_23:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 179 MA's), (7, 7580), (8, 7595),

Gene: GlutenPhree\_21 Start: 6308, Stop: 6535, Start Num: 5

Candidate Starts for GlutenPhree\_21:

(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 179 MA's), (7, 6470), (8, 6485),

Gene: Grasshills\_25 Start: 8678, Stop: 8905, Start Num: 5

Candidate Starts for Grasshills\_25:

(2, 8330), (3, 8519), (4, 8528), (Start: 5 @8678 has 179 MA's), (7, 8840), (8, 8855),

Gene: Grungle\_16 Start: 5257, Stop: 5484, Start Num: 5

Candidate Starts for Grungle\_16:

(2, 4909), (3, 5098), (4, 5107), (Start: 5 @5257 has 179 MA's), (7, 5419), (8, 5434),

Gene: Guwapp\_20 Start: 6304, Stop: 6531, Start Num: 5

Candidate Starts for Guwapp\_20:  
(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 179 MA's), (7, 6466), (8, 6481),

Gene: Halldule\_18 Start: 5900, Stop: 6127, Start Num: 5  
Candidate Starts for Halldule\_18:  
(2, 5552), (3, 5741), (4, 5750), (Start: 5 @5900 has 179 MA's), (7, 6062), (8, 6077),

Gene: HyRo\_20 Start: 7314, Stop: 7541, Start Num: 5  
Candidate Starts for HyRo\_20:  
(3, 7155), (4, 7164), (Start: 5 @7314 has 179 MA's), (7, 7476), (8, 7491),

Gene: I3\_23 Start: 7967, Stop: 8194, Start Num: 5  
Candidate Starts for I3\_23:  
(2, 7619), (3, 7808), (4, 7817), (Start: 5 @7967 has 179 MA's), (7, 8129), (8, 8144),

Gene: IkeLoa\_17 Start: 6434, Stop: 6661, Start Num: 5  
Candidate Starts for IkeLoa\_17:  
(2, 6086), (3, 6275), (4, 6284), (Start: 5 @6434 has 179 MA's), (7, 6596), (8, 6611),

Gene: InigoMontoya\_22 Start: 6308, Stop: 6535, Start Num: 5  
Candidate Starts for InigoMontoya\_22:  
(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 179 MA's), (7, 6470), (8, 6485),

Gene: InterFolia\_27 Start: 8995, Stop: 9222, Start Num: 5  
Candidate Starts for InterFolia\_27:  
(2, 8647), (3, 8836), (4, 8845), (Start: 5 @8995 has 179 MA's), (7, 9157), (8, 9172),

Gene: Iota\_19 Start: 7197, Stop: 7424, Start Num: 5  
Candidate Starts for Iota\_19:  
(2, 6849), (3, 7038), (4, 7047), (Start: 5 @7197 has 179 MA's), (7, 7359), (8, 7374),

Gene: Issimir\_21 Start: 7412, Stop: 7639, Start Num: 5  
Candidate Starts for Issimir\_21:  
(2, 7064), (3, 7253), (4, 7262), (Start: 5 @7412 has 179 MA's), (7, 7574), (8, 7589),

Gene: Izajani\_22 Start: 7418, Stop: 7645, Start Num: 5  
Candidate Starts for Izajani\_22:  
(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 179 MA's), (7, 7580), (8, 7595),

Gene: JPickles\_20 Start: 6308, Stop: 6535, Start Num: 5  
Candidate Starts for JPickles\_20:  
(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 179 MA's), (7, 6470), (8, 6485),

Gene: Janiyra\_20 Start: 6287, Stop: 6514, Start Num: 5  
Candidate Starts for Janiyra\_20:  
(2, 5939), (3, 6128), (4, 6137), (Start: 5 @6287 has 179 MA's), (7, 6449), (8, 6464),

Gene: JayJay\_24 Start: 7395, Stop: 7622, Start Num: 5  
Candidate Starts for JayJay\_24:  
(2, 7047), (3, 7236), (4, 7245), (Start: 5 @7395 has 179 MA's), (7, 7557), (8, 7572),

Gene: Jaygup\_20 Start: 6304, Stop: 6531, Start Num: 5  
Candidate Starts for Jaygup\_20:

(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 179 MA's), (7, 6466), (8, 6481),

Gene: Jedediah\_21 Start: 6308, Stop: 6535, Start Num: 5

Candidate Starts for Jedediah\_21:

(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 179 MA's), (7, 6470), (8, 6485),

Gene: Jemmno\_20 Start: 6308, Stop: 6535, Start Num: 5

Candidate Starts for Jemmno\_20:

(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 179 MA's), (7, 6470), (8, 6485),

Gene: Jessibeth14\_21 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for Jessibeth14\_21:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 179 MA's), (7, 7580), (8, 7595),

Gene: Jezreel\_20 Start: 6635, Stop: 6862, Start Num: 5

Candidate Starts for Jezreel\_20:

(2, 6287), (3, 6476), (4, 6485), (Start: 5 @6635 has 179 MA's), (7, 6797), (8, 6812),

Gene: JigglyPuff\_22 Start: 7423, Stop: 7650, Start Num: 5

Candidate Starts for JigglyPuff\_22:

(2, 7075), (3, 7264), (4, 7273), (Start: 5 @7423 has 179 MA's), (7, 7585), (8, 7600),

Gene: JulietS\_17 Start: 5533, Stop: 5760, Start Num: 5

Candidate Starts for JulietS\_17:

(2, 5185), (3, 5374), (4, 5383), (Start: 5 @5533 has 179 MA's), (7, 5695), (8, 5710),

Gene: JustHall\_20 Start: 7303, Stop: 7530, Start Num: 5

Candidate Starts for JustHall\_20:

(2, 6955), (3, 7144), (4, 7153), (Start: 5 @7303 has 179 MA's), (7, 7465), (8, 7480),

Gene: Kamryn\_20 Start: 6638, Stop: 6865, Start Num: 5

Candidate Starts for Kamryn\_20:

(2, 6290), (3, 6479), (4, 6488), (Start: 5 @6638 has 179 MA's), (7, 6800), (8, 6815),

Gene: Kboogie\_21 Start: 6306, Stop: 6533, Start Num: 5

Candidate Starts for Kboogie\_21:

(2, 5958), (3, 6147), (4, 6156), (Start: 5 @6306 has 179 MA's), (7, 6468), (8, 6483),

Gene: Khaleesi\_21 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for Khaleesi\_21:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 179 MA's), (7, 7580), (8, 7595),

Gene: Koguma\_18 Start: 5900, Stop: 6127, Start Num: 5

Candidate Starts for Koguma\_18:

(2, 5552), (3, 5741), (4, 5750), (Start: 5 @5900 has 179 MA's), (7, 6062), (8, 6077),

Gene: LRRHood\_20 Start: 7826, Stop: 8053, Start Num: 5

Candidate Starts for LRRHood\_20:

(2, 7478), (3, 7667), (4, 7676), (Start: 5 @7826 has 179 MA's), (7, 7988), (8, 8003),

Gene: Labradorite\_19 Start: 6304, Stop: 6531, Start Num: 5

Candidate Starts for Labradorite\_19:

(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 179 MA's), (7, 6466), (8, 6481),

Gene: Latch\_20 Start: 6308, Stop: 6535, Start Num: 5  
Candidate Starts for Latch\_20:  
(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 179 MA's), (7, 6470), (8, 6485),

Gene: Lee7\_21 Start: 7418, Stop: 7645, Start Num: 5  
Candidate Starts for Lee7\_21:  
(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 179 MA's), (7, 7580), (8, 7595),

Gene: Lethe\_22 Start: 7358, Stop: 7585, Start Num: 5  
Candidate Starts for Lethe\_22:  
(2, 7010), (3, 7199), (4, 7208), (Start: 5 @7358 has 179 MA's), (7, 7520), (8, 7535),

Gene: LifeSavor\_21 Start: 6304, Stop: 6531, Start Num: 5  
Candidate Starts for LifeSavor\_21:  
(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 179 MA's), (7, 6466), (8, 6481),

Gene: LinStu\_23 Start: 8009, Stop: 8236, Start Num: 5  
Candidate Starts for LinStu\_23:  
(2, 7661), (3, 7850), (4, 7859), (Start: 5 @8009 has 179 MA's), (7, 8171), (8, 8186),

Gene: Littleton\_21 Start: 6308, Stop: 6535, Start Num: 5  
Candidate Starts for Littleton\_21:  
(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 179 MA's), (7, 6470), (8, 6485),

Gene: Loanshark\_21 Start: 7418, Stop: 7645, Start Num: 5  
Candidate Starts for Loanshark\_21:  
(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 179 MA's), (7, 7580), (8, 7595),

Gene: LolaVinca\_24 Start: 8101, Stop: 8328, Start Num: 5  
Candidate Starts for LolaVinca\_24:  
(2, 7753), (3, 7942), (4, 7951), (Start: 5 @8101 has 179 MA's), (7, 8263), (8, 8278),

Gene: LookingGlass\_24 Start: 7937, Stop: 8164, Start Num: 5  
Candidate Starts for LookingGlass\_24:  
(2, 7589), (3, 7778), (4, 7787), (Start: 5 @7937 has 179 MA's), (7, 8099), (8, 8114),

Gene: LordLeafolot\_27 Start: 8997, Stop: 9224, Start Num: 5  
Candidate Starts for LordLeafolot\_27:  
(2, 8649), (3, 8838), (4, 8847), (Start: 5 @8997 has 179 MA's), (7, 9159), (8, 9174),

Gene: Lukilu\_16 Start: 6250, Stop: 6477, Start Num: 5  
Candidate Starts for Lukilu\_16:  
(2, 5902), (3, 6091), (4, 6100), (Start: 5 @6250 has 179 MA's), (7, 6412), (8, 6427),

Gene: Lunareta\_21 Start: 7100, Stop: 7327, Start Num: 5  
Candidate Starts for Lunareta\_21:  
(2, 6752), (3, 6941), (4, 6950), (Start: 5 @7100 has 179 MA's), (7, 7262), (8, 7277),

Gene: Maby2021\_22 Start: 7418, Stop: 7645, Start Num: 5  
Candidate Starts for Maby2021\_22:  
(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 179 MA's), (7, 7580), (8, 7595),

Gene: Mangeria\_24 Start: 7917, Stop: 8144, Start Num: 5  
Candidate Starts for Mangeria\_24:  
(2, 7569), (3, 7758), (4, 7767), (Start: 5 @7917 has 179 MA's), (7, 8079), (8, 8094),

Gene: Matsumoto\_20 Start: 6308, Stop: 6535, Start Num: 5  
Candidate Starts for Matsumoto\_20:  
(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 179 MA's), (7, 6470), (8, 6485),

Gene: Maturis\_22 Start: 7163, Stop: 7390, Start Num: 5  
Candidate Starts for Maturis\_22:  
(2, 6815), (3, 7004), (4, 7013), (Start: 5 @7163 has 179 MA's), (7, 7325), (8, 7340),

Gene: McGee\_21 Start: 6306, Stop: 6533, Start Num: 5  
Candidate Starts for McGee\_21:  
(2, 5958), (3, 6147), (4, 6156), (Start: 5 @6306 has 179 MA's), (7, 6468), (8, 6483),

Gene: McWolfish\_21 Start: 7418, Stop: 7645, Start Num: 5  
Candidate Starts for McWolfish\_21:  
(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 179 MA's), (7, 7580), (8, 7595),

Gene: Megamind\_21 Start: 7418, Stop: 7645, Start Num: 5  
Candidate Starts for Megamind\_21:  
(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 179 MA's), (7, 7580), (8, 7595),

Gene: Melpomini\_20 Start: 6287, Stop: 6514, Start Num: 5  
Candidate Starts for Melpomini\_20:  
(2, 5939), (3, 6128), (4, 6137), (Start: 5 @6287 has 179 MA's), (7, 6449), (8, 6464),

Gene: MikeLiesIn\_22 Start: 7418, Stop: 7645, Start Num: 5  
Candidate Starts for MikeLiesIn\_22:  
(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 179 MA's), (7, 7580), (8, 7595),

Gene: Mikro\_20 Start: 7634, Stop: 7861, Start Num: 5  
Candidate Starts for Mikro\_20:  
(2, 7286), (3, 7475), (4, 7484), (Start: 5 @7634 has 179 MA's), (7, 7796), (8, 7811),

Gene: MoMoMixon\_23 Start: 7741, Stop: 7968, Start Num: 5  
Candidate Starts for MoMoMixon\_23:  
(2, 7393), (3, 7582), (4, 7591), (Start: 5 @7741 has 179 MA's), (7, 7903), (8, 7918),

Gene: Moby\_16 Start: 4666, Stop: 4893, Start Num: 5  
Candidate Starts for Moby\_16:  
(3, 4507), (4, 4516), (Start: 5 @4666 has 179 MA's), (7, 4828), (8, 4843),

Gene: Moiqah\_16 Start: 4666, Stop: 4893, Start Num: 5  
Candidate Starts for Moiqah\_16:  
(3, 4507), (4, 4516), (Start: 5 @4666 has 179 MA's), (7, 4828), (8, 4843),

Gene: Momo\_20 Start: 6308, Stop: 6535, Start Num: 5  
Candidate Starts for Momo\_20:  
(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 179 MA's), (7, 6470), (8, 6485),

Gene: Montpel\_21 Start: 7100, Stop: 7327, Start Num: 5

Candidate Starts for Montpel\_21:

(2, 6752), (3, 6941), (4, 6950), (Start: 5 @7100 has 179 MA's), (7, 7262), (8, 7277),

Gene: Morizzled23\_20 Start: 6287, Stop: 6514, Start Num: 5

Candidate Starts for Morizzled23\_20:

(2, 5939), (3, 6128), (4, 6137), (Start: 5 @6287 has 179 MA's), (7, 6449), (8, 6464),

Gene: Naija\_20 Start: 6308, Stop: 6535, Start Num: 5

Candidate Starts for Naija\_20:

(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 179 MA's), (7, 6470), (8, 6485),

Gene: Napoleon13\_20 Start: 6306, Stop: 6533, Start Num: 5

Candidate Starts for Napoleon13\_20:

(2, 5958), (3, 6147), (4, 6156), (Start: 5 @6306 has 179 MA's), (7, 6468), (8, 6483),

Gene: Nappy\_23 Start: 7591, Stop: 7818, Start Num: 5

Candidate Starts for Nappy\_23:

(2, 7243), (3, 7432), (4, 7441), (Start: 5 @7591 has 179 MA's), (7, 7753), (8, 7768),

Gene: Naval22\_23 Start: 7741, Stop: 7968, Start Num: 5

Candidate Starts for Naval22\_23:

(2, 7393), (3, 7582), (4, 7591), (Start: 5 @7741 has 179 MA's), (7, 7903), (8, 7918),

Gene: NedWong\_22 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for NedWong\_22:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 179 MA's), (7, 7580), (8, 7595),

Gene: Ngannou\_20 Start: 6287, Stop: 6514, Start Num: 5

Candidate Starts for Ngannou\_20:

(2, 5939), (3, 6128), (4, 6137), (Start: 5 @6287 has 179 MA's), (7, 6449), (8, 6464),

Gene: Nidhogg\_23 Start: 7741, Stop: 7968, Start Num: 5

Candidate Starts for Nidhogg\_23:

(2, 7393), (3, 7582), (4, 7591), (Start: 5 @7741 has 179 MA's), (7, 7903), (8, 7918),

Gene: NoodleTree\_20 Start: 6635, Stop: 6862, Start Num: 5

Candidate Starts for NoodleTree\_20:

(2, 6287), (3, 6476), (4, 6485), (Start: 5 @6635 has 179 MA's), (7, 6797), (8, 6812),

Gene: Norm\_21 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for Norm\_21:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 179 MA's), (7, 7580), (8, 7595),

Gene: NuevoMundo\_25 Start: 8743, Stop: 8970, Start Num: 5

Candidate Starts for NuevoMundo\_25:

(2, 8395), (3, 8584), (4, 8593), (Start: 5 @8743 has 179 MA's), (7, 8905), (8, 8920),

Gene: OrediggerDelux\_21 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for OrediggerDelux\_21:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 179 MA's), (7, 7580), (8, 7595),

Gene: ParkTD\_21 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for ParkTD\_21:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 179 MA's), (7, 7580), (8, 7595),

Gene: Patter\_20 Start: 6325, Stop: 6552, Start Num: 5

Candidate Starts for Patter\_20:

(2, 5977), (3, 6166), (4, 6175), (Start: 5 @6325 has 179 MA's), (7, 6487), (8, 6502),

Gene: PharkleMinkus\_27 Start: 8998, Stop: 9225, Start Num: 5

Candidate Starts for PharkleMinkus\_27:

(2, 8650), (3, 8839), (4, 8848), (Start: 5 @8998 has 179 MA's), (7, 9160), (8, 9175),

Gene: Phlegm\_22 Start: 6308, Stop: 6535, Start Num: 5

Candidate Starts for Phlegm\_22:

(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 179 MA's), (7, 6470), (8, 6485),

Gene: Phox\_21 Start: 7823, Stop: 8050, Start Num: 5

Candidate Starts for Phox\_21:

(2, 7475), (3, 7664), (4, 7673), (Start: 5 @7823 has 179 MA's), (7, 7985), (8, 8000),

Gene: Phusco\_20 Start: 6304, Stop: 6531, Start Num: 5

Candidate Starts for Phusco\_20:

(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 179 MA's), (7, 6466), (8, 6481),

Gene: Pier\_23 Start: 7306, Stop: 7533, Start Num: 5

Candidate Starts for Pier\_23:

(2, 6958), (3, 7147), (4, 7156), (Start: 5 @7306 has 179 MA's), (7, 7468), (8, 7483),

Gene: Pinkcreek\_14 Start: 5502, Stop: 5729, Start Num: 5

Candidate Starts for Pinkcreek\_14:

(3, 5343), (4, 5352), (Start: 5 @5502 has 179 MA's), (7, 5664), (8, 5679),

Gene: Pio\_24 Start: 8240, Stop: 8467, Start Num: 5

Candidate Starts for Pio\_24:

(2, 7892), (3, 8081), (4, 8090), (Start: 5 @8240 has 179 MA's), (7, 8402), (8, 8417),

Gene: Pivoine\_20 Start: 6308, Stop: 6535, Start Num: 5

Candidate Starts for Pivoine\_20:

(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 179 MA's), (7, 6470), (8, 6485),

Gene: Pleione\_23 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for Pleione\_23:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 179 MA's), (7, 7580), (8, 7595),

Gene: Primadonna\_17 Start: 6779, Stop: 7006, Start Num: 5

Candidate Starts for Primadonna\_17:

(2, 6431), (3, 6620), (4, 6629), (Start: 5 @6779 has 179 MA's), (7, 6941), (8, 6956),

Gene: Pupusa\_27 Start: 8997, Stop: 9224, Start Num: 5

Candidate Starts for Pupusa\_27:

(2, 8649), (3, 8838), (4, 8847), (Start: 5 @8997 has 179 MA's), (7, 9159), (8, 9174),

Gene: PurduePete\_21 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for PurduePete\_21:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 179 MA's), (7, 7580), (8, 7595),

Gene: QBert\_20 Start: 7823, Stop: 8050, Start Num: 5  
Candidate Starts for QBert\_20:  
(2, 7475), (3, 7664), (4, 7673), (Start: 5 @7823 has 179 MA's), (7, 7985), (8, 8000),

Gene: Quasimodo\_20 Start: 7307, Stop: 7534, Start Num: 5  
Candidate Starts for Quasimodo\_20:  
(2, 6959), (3, 7148), (4, 7157), (Start: 5 @7307 has 179 MA's), (7, 7469), (8, 7484),

Gene: Rabinovish\_21 Start: 8111, Stop: 8338, Start Num: 5  
Candidate Starts for Rabinovish\_21:  
(2, 7763), (3, 7952), (4, 7961), (Start: 5 @8111 has 179 MA's), (7, 8273), (8, 8288),

Gene: Rahel\_20 Start: 6304, Stop: 6531, Start Num: 5  
Candidate Starts for Rahel\_20:  
(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 179 MA's), (7, 6466), (8, 6481),

Gene: Rizal\_20 Start: 6303, Stop: 6530, Start Num: 5  
Candidate Starts for Rizal\_20:  
(2, 5955), (3, 6144), (4, 6153), (Start: 5 @6303 has 179 MA's), (7, 6465), (8, 6480),

Gene: RoMag\_16 Start: 6385, Stop: 6612, Start Num: 5  
Candidate Starts for RoMag\_16:  
(2, 6037), (3, 6226), (4, 6235), (Start: 5 @6385 has 179 MA's), (7, 6547), (8, 6562),

Gene: Rocha\_20 Start: 6634, Stop: 6861, Start Num: 5  
Candidate Starts for Rocha\_20:  
(2, 6286), (3, 6475), (4, 6484), (Start: 5 @6634 has 179 MA's), (7, 6796), (8, 6811),

Gene: Ronan\_17 Start: 5234, Stop: 5461, Start Num: 5  
Candidate Starts for Ronan\_17:  
(2, 4886), (3, 5075), (4, 5084), (Start: 5 @5234 has 179 MA's), (7, 5396), (8, 5411),

Gene: Roots515\_21 Start: 7417, Stop: 7644, Start Num: 5  
Candidate Starts for Roots515\_21:  
(2, 7069), (3, 7258), (4, 7267), (Start: 5 @7417 has 179 MA's), (7, 7579), (8, 7594),

Gene: SVoro\_21 Start: 7412, Stop: 7639, Start Num: 5  
Candidate Starts for SVoro\_21:  
(2, 7064), (3, 7253), (4, 7262), (Start: 5 @7412 has 179 MA's), (7, 7574), (8, 7589),

Gene: Salacia\_23 Start: 7418, Stop: 7645, Start Num: 5  
Candidate Starts for Salacia\_23:  
(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 179 MA's), (7, 7580), (8, 7595),

Gene: Sauce\_23 Start: 7786, Stop: 8013, Start Num: 5  
Candidate Starts for Sauce\_23:  
(2, 7438), (3, 7627), (4, 7636), (Start: 5 @7786 has 179 MA's), (7, 7948), (8, 7963),

Gene: ScottMcG\_23 Start: 7974, Stop: 8201, Start Num: 5  
Candidate Starts for ScottMcG\_23:  
(2, 7626), (3, 7815), (4, 7824), (Start: 5 @7974 has 179 MA's), (7, 8136), (8, 8151),

Gene: Sebata\_23 Start: 8009, Stop: 8236, Start Num: 5

Candidate Starts for Sebata\_23:

(2, 7661), (3, 7850), (4, 7859), (Start: 5 @8009 has 179 MA's), (7, 8171), (8, 8186),

Gene: Shaqnato\_18 Start: 6239, Stop: 6466, Start Num: 5

Candidate Starts for Shaqnato\_18:

(2, 5891), (3, 6080), (4, 6089), (Start: 5 @6239 has 179 MA's), (7, 6401), (8, 6416),

Gene: Shelob\_24 Start: 8547, Stop: 8774, Start Num: 5

Candidate Starts for Shelob\_24:

(2, 8199), (3, 8388), (4, 8397), (Start: 5 @8547 has 179 MA's), (7, 8709), (8, 8724),

Gene: ShiaLabeouf\_20 Start: 6304, Stop: 6531, Start Num: 5

Candidate Starts for ShiaLabeouf\_20:

(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 179 MA's), (7, 6466), (8, 6481),

Gene: Shifa\_19 Start: 6745, Stop: 6972, Start Num: 5

Candidate Starts for Shifa\_19:

(3, 6586), (4, 6595), (Start: 5 @6745 has 179 MA's), (7, 6907), (8, 6922),

Gene: Shnickers\_20 Start: 6304, Stop: 6531, Start Num: 5

Candidate Starts for Shnickers\_20:

(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 179 MA's), (7, 6466), (8, 6481),

Gene: Shrimp\_21 Start: 7422, Stop: 7649, Start Num: 5

Candidate Starts for Shrimp\_21:

(2, 7074), (3, 7263), (4, 7272), (Start: 5 @7422 has 179 MA's), (7, 7584), (8, 7599),

Gene: SilverDipper\_21 Start: 6308, Stop: 6535, Start Num: 5

Candidate Starts for SilverDipper\_21:

(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 179 MA's), (7, 6470), (8, 6485),

Gene: SmallFry\_20 Start: 6304, Stop: 6531, Start Num: 5

Candidate Starts for SmallFry\_20:

(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 179 MA's), (7, 6466), (8, 6481),

Gene: Spec\_19 Start: 6304, Stop: 6531, Start Num: 5

Candidate Starts for Spec\_19:

(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 179 MA's), (7, 6466), (8, 6481),

Gene: Specks\_25 Start: 8178, Stop: 8405, Start Num: 5

Candidate Starts for Specks\_25:

(2, 7830), (3, 8019), (4, 8028), (Start: 5 @8178 has 179 MA's), (6, 8214), (7, 8340), (8, 8355),

Gene: Sprinklers\_22 Start: 7148, Stop: 7375, Start Num: 5

Candidate Starts for Sprinklers\_22:

(2, 6800), (3, 6989), (4, 6998), (Start: 5 @7148 has 179 MA's), (7, 7310), (8, 7325),

Gene: Spud\_24 Start: 8240, Stop: 8467, Start Num: 5

Candidate Starts for Spud\_24:

(2, 7892), (3, 8081), (4, 8090), (Start: 5 @8240 has 179 MA's), (7, 8402), (8, 8417),

Gene: SrishMeg2525\_21 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for SrishMeg2525\_21:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 179 MA's), (7, 7580), (8, 7595),

Gene: StephanieG\_22 Start: 7331, Stop: 7558, Start Num: 5

Candidate Starts for StephanieG\_22:

(2, 6983), (3, 7172), (4, 7181), (Start: 5 @7331 has 179 MA's), (7, 7493), (8, 7508),

Gene: Stubby\_20 Start: 6925, Stop: 7152, Start Num: 5

Candidate Starts for Stubby\_20:

(3, 6766), (4, 6775), (Start: 5 @6925 has 179 MA's), (7, 7087), (8, 7102),

Gene: StubbySaigey\_21 Start: 6308, Stop: 6535, Start Num: 5

Candidate Starts for StubbySaigey\_21:

(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 179 MA's), (7, 6470), (8, 6485),

Gene: Substance289\_19 Start: 6304, Stop: 6531, Start Num: 5

Candidate Starts for Substance289\_19:

(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 179 MA's), (7, 6466), (8, 6481),

Gene: Tainan\_27 Start: 8997, Stop: 9224, Start Num: 5

Candidate Starts for Tainan\_27:

(2, 8649), (3, 8838), (4, 8847), (Start: 5 @8997 has 179 MA's), (7, 9159), (8, 9174),

Gene: Teardrop\_20 Start: 6304, Stop: 6531, Start Num: 5

Candidate Starts for Teardrop\_20:

(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 179 MA's), (7, 6466), (8, 6481),

Gene: TinyTim\_21 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for TinyTim\_21:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 179 MA's), (7, 7580), (8, 7595),

Gene: Tonenili\_27 Start: 8637, Stop: 8876, Start Num: 5

Candidate Starts for Tonenili\_27:

(3, 8478), (4, 8487), (Start: 5 @8637 has 179 MA's), (7, 8811), (8, 8826),

Gene: Tortoise16\_19 Start: 6304, Stop: 6531, Start Num: 5

Candidate Starts for Tortoise16\_19:

(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 179 MA's), (7, 6466), (8, 6481),

Gene: Trinitium\_20 Start: 6304, Stop: 6531, Start Num: 5

Candidate Starts for Trinitium\_20:

(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 179 MA's), (7, 6466), (8, 6481),

Gene: Turret\_20 Start: 6287, Stop: 6514, Start Num: 5

Candidate Starts for Turret\_20:

(2, 5939), (3, 6128), (4, 6137), (Start: 5 @6287 has 179 MA's), (7, 6449), (8, 6464),

Gene: Tyke\_23 Start: 7716, Stop: 7943, Start Num: 5

Candidate Starts for Tyke\_23:

(2, 7368), (3, 7557), (4, 7566), (Start: 5 @7716 has 179 MA's), (7, 7878), (8, 7893),

Gene: ValleyTerrace\_20 Start: 6308, Stop: 6535, Start Num: 5

Candidate Starts for ValleyTerrace\_20:

(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 179 MA's), (7, 6470), (8, 6485),

Gene: Vortrix\_28 Start: 8825, Stop: 9064, Start Num: 5

Candidate Starts for Vortrix\_28:

(3, 8666), (4, 8675), (Start: 5 @8825 has 179 MA's), (7, 8999), (8, 9014),

Gene: Wally\_20 Start: 6308, Stop: 6535, Start Num: 5

Candidate Starts for Wally\_20:

(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 179 MA's), (7, 6470), (8, 6485),

Gene: Willis\_22 Start: 7313, Stop: 7540, Start Num: 5

Candidate Starts for Willis\_22:

(2, 6965), (3, 7154), (4, 7163), (Start: 5 @7313 has 179 MA's), (7, 7475), (8, 7490),

Gene: Yassified\_19 Start: 6311, Stop: 6538, Start Num: 5

Candidate Starts for Yassified\_19:

(2, 5963), (3, 6152), (4, 6161), (Start: 5 @6311 has 179 MA's), (7, 6473), (8, 6488),

Gene: YemiJoy2021\_22 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for YemiJoy2021\_22:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 179 MA's), (7, 7580), (8, 7595),

Gene: YoungMoneyMata\_21 Start: 6351, Stop: 6578, Start Num: 5

Candidate Starts for YoungMoneyMata\_21:

(2, 6003), (3, 6192), (4, 6201), (Start: 5 @6351 has 179 MA's), (7, 6513), (8, 6528),

Gene: Yucca\_21 Start: 7340, Stop: 7567, Start Num: 5

Candidate Starts for Yucca\_21:

(2, 6992), (3, 7181), (4, 7190), (Start: 5 @7340 has 179 MA's), (7, 7502), (8, 7517),

Gene: Zalkecks\_23 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for Zalkecks\_23:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 179 MA's), (7, 7580), (8, 7595),

Gene: Zeenon\_24 Start: 7419, Stop: 7646, Start Num: 5

Candidate Starts for Zeenon\_24:

(2, 7071), (3, 7260), (4, 7269), (Start: 5 @7419 has 179 MA's), (7, 7581), (8, 7596),

Gene: ZygoTaiga\_22 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for ZygoTaiga\_22:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 179 MA's), (7, 7580), (8, 7595),