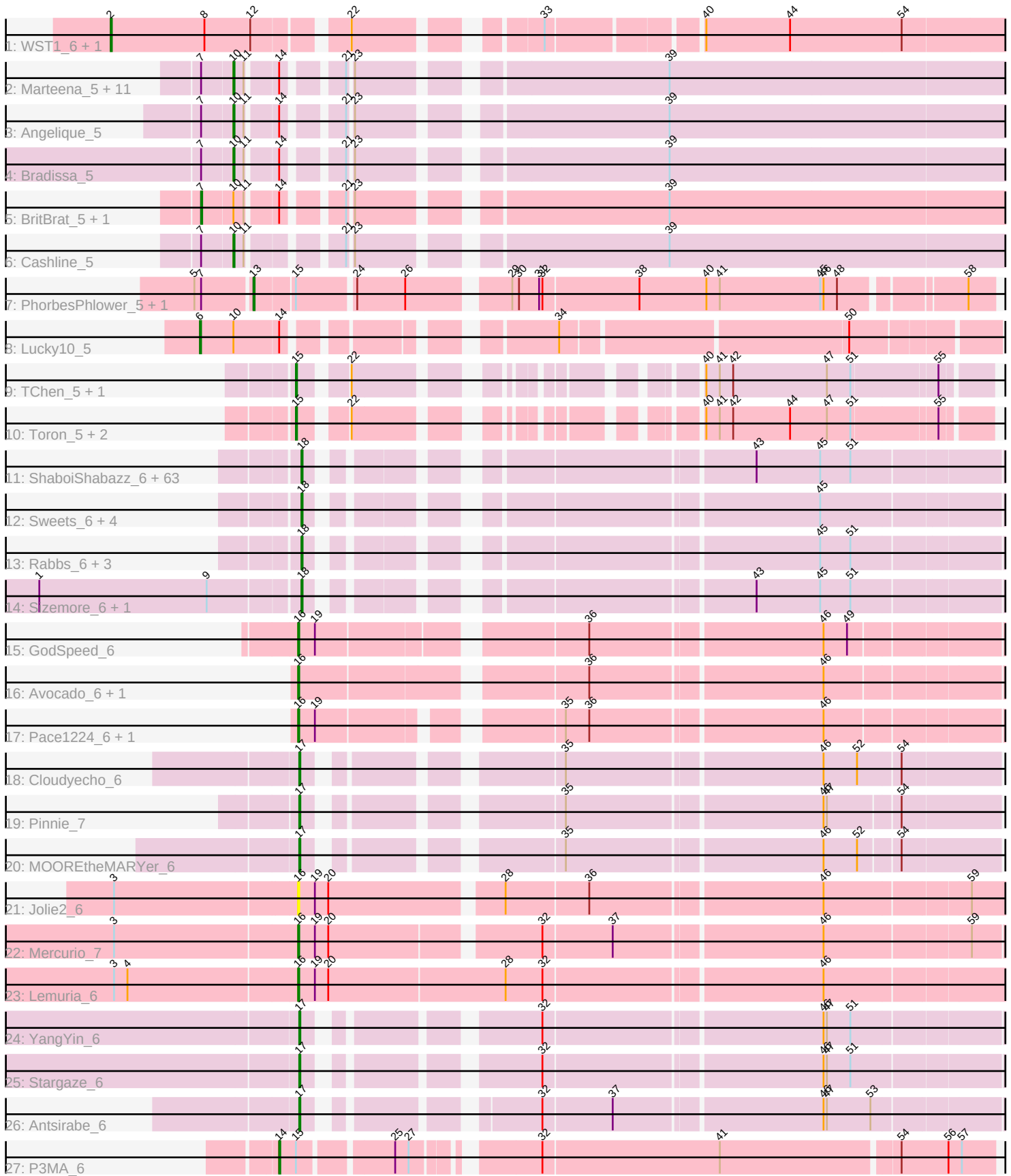


Pham 330646



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 330646 Report

This analysis was run 09/05/26 on database version 662.

Pham number 330646 has 117 members, 7 are drafts.

Phages represented in each track:

- Track 1 : WST1_6, IdentityCrisis_6
- Track 2 : Marteen_5, Jablanski_5, Posh_5, Confidence_5, BeeGee_5, EMSquaredA_5, Wrigley_5, LonelyBoi_5, Floral_5, Pytheas_5, Lilas_5, EnalisNailo_5
- Track 3 : Angelique_5
- Track 4 : Bradissa_5
- Track 5 : BritBrat_5, Pollux_5
- Track 6 : Cashline_5
- Track 7 : PhorbesPhlower_5, Morkie_5
- Track 8 : Lucky10_5
- Track 9 : TChen_5, LunaStella_5
- Track 10 : Toron_5, ThetaBob_5, Renaud18_5
- Track 11 : ShaboShabazz_6, Peeb_6, Maliketh_6, Gomashi_6, Primanti_6, Liefie_6, Phloodle_6, Cherrybomb426_6, Barkley26_6, AzulaCat_6, Marmie_6, Aroostook_6, Darionha_6, Crespo_6, Ruriko_6, Mowgli_6, JorRay_6, LouisV14_6, Phreak_6, BruceB_6, Hope_6, ECartman_6, GoldenAsh_6, Schiebel_6, Jeilious_6, Jolene_6, Frosty24_6, Phish_6, Jane_6, Avrafan_6, TomBrady_6, Zombie_6, ZoMa_6, Grizzly_6, AizenPogi_6, BPS_6, CLED96_6, Jonghyun_6, OctaviousRex_6, Camri_6, Gideon_6, Rattrick_6, Annihilator_6, DingDing_6, DNAll 006, Renaissance_6, Neoh_6, PinkYoshi_6, MZKinsey_6, Plagueis_6, Cedasite_6, Kareem_6, Wendigo_6, Remy19_6, CassieYates_6, Periodt_6, Angel_6, Hotshotbaby7_6, DMoney_6, Olga_6, Richarlison_6, Chance64_6, Coleslaw_6, BQuat_6
- Track 12 : Sweets_6, Halo_6, TinaBug_6, ForeverHowLong_6, Paito_6
- Track 13 : Rabbs_6, Taheera_6, Terror_6, Sneeze_6
- Track 14 : Sizemore_6, Kasen3_6
- Track 15 : GodSpeed_6
- Track 16 : Avocado_6, Cambiare_7
- Track 17 : Pace1224_6, FlagStaff_6
- Track 18 : Cloudyecho_6
- Track 19 : Pinnie_7
- Track 20 : MOOREtheMARYer_6
- Track 21 : Jolie2_6
- Track 22 : Mercurio_7
- Track 23 : Lemuria_6
- Track 24 : YangYin_6
- Track 25 : Stargaze_6
- Track 26 : Antsirabe_6

- Track 27 : P3MA_6

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

The start number called the most often in the published annotations is 18, it was called in 72 of the 110 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AizenPogi_6, Angel_6, Annihilator_6, Aroostook_6, Avrafan_6, AzulaCat_6, BPs_6, BQuat_6, Barkley26_6, BruceB_6, CLED96_6, Camri_6, CassieYates_6, Cedasite_6, Chance64_6, Cherrybomb426_6, Coleslaw_6, Crespo_6, DMoney_6, DNAIII_006, Darionha_6, DingDing_6, ECartman_6, ForeverHowLong_6, Frosty24_6, Gideon_6, GoldenAsh_6, Gomashi_6, Grizzly_6, Halo_6, Hope_6, Hotshotbaby7_6, Jane_6, Jeilious_6, Jolene_6, Jonghyun_6, JorRay_6, Kareem_6, Kasen3_6, Liefie_6, LouisV14_6, MZKinsey_6, Maliketh_6, Marmie_6, Mowgli_6, Neoh_6, OctaviousRex_6, Olga_6, Paito_6, Peeb_6, Periodt_6, Phish_6, Phloodle_6, Phreak_6, PinkYoshi_6, Plagueis_6, Primanti_6, Rabbs_6, Rattrick_6, Remy19_6, Renaissance_6, Richarlison_6, Ruriko_6, Schiebel_6, ShaboiShabazz_6, Sizemore_6, Sneeze_6, Sweets_6, Taheera_6, Terror_6, TinaBug_6, TomBrady_6, Wendigo_6, ZoMa_6, Zombie_6,

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

-

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

- Angelique_5, Antsirabe_6, Avocado_6, BeeGee_5, Bradissa_5, BritBrat_5, Cambiare_7, Cashline_5, Cloudyecho_6, Confidence_5, EMSquaredA_5, EnalisNailo_5, FlagStaff_6, Floral_5, GodSpeed_6, IdentityCrisis_6, Jablanski_5, Jolie2_6, Lemuria_6, Lilas_5, LonelyBoi_5, Lucky10_5, LunaStella_5, MOOREtheMARYer_6, Marteena_5, Mercurio_7, Morkie_5, P3MA_6, Pace1224_6, PhorbesPhlower_5, Pinnie_7, Pollux_5, Posh_5, Pytheas_5, Renaud18_5, Stargaze_6, TChen_5, ThetaBob_5, Toron_5, WST1_6, Wrigley_5, YangYin_6,

Summary by start number:

Start 2:

- Found in 2 of 117 (1.7%) of genes in pham
- Manual Annotations of this start: 1 of 110
- Called 100.0% of time when present
- Phage (with cluster) where this start called: IdentityCrisis_6 (AJ), WST1_6 (AJ),

Start 6:

- Found in 1 of 117 (0.9%) of genes in pham
- Manual Annotations of this start: 1 of 110
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Lucky10_5 (DH),

Start 7:

- Found in 19 of 117 (16.2%) of genes in pham
- Manual Annotations of this start: 2 of 110

- Called 10.5% of time when present
- Phage (with cluster) where this start called: BritBrat_5 (CY2), Pollux_5 (CY1),

Start 10:

- Found in 18 of 117 (15.4%) of genes in pham
- Manual Annotations of this start: 15 of 110
- Called 83.3% of time when present
- Phage (with cluster) where this start called: Angelique_5 (CY1), BeeGee_5 (CY5), Bradissa_5 (CY1), Cashline_5 (CY6), Confidence_5 (CY1), EMSquaredA_5 (CY1), EnalisNaïlo_5 (CY1), Floral_5 (CY1), Jablanski_5 (CY3), Lilas_5 (CY1), LonelyBoi_5 (CY7), Marteenaa_5 (CY1), Posh_5 (CY4), Pytheas_5 (CY3), Wrigley_5 (CY4),

Start 13:

- Found in 2 of 117 (1.7%) of genes in pham
- Manual Annotations of this start: 2 of 110
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Morkie_5 (DH), PhorbesPhlower_5 (DH),

Start 14:

- Found in 18 of 117 (15.4%) of genes in pham
- Manual Annotations of this start: 1 of 110
- Called 5.6% of time when present
- Phage (with cluster) where this start called: P3MA_6 (singleton),

Start 15:

- Found in 8 of 117 (6.8%) of genes in pham
- Manual Annotations of this start: 4 of 110
- Called 62.5% of time when present
- Phage (with cluster) where this start called: LunaStella_5 (F4), Renaud18_5 (F4), TChen_5 (F4), ThetaBob_5 (F4), Toron_5 (F6),

Start 16:

- Found in 8 of 117 (6.8%) of genes in pham
- Manual Annotations of this start: 6 of 110
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Avocado_6 (G2), Cambiare_7 (G2), FlagStaff_6 (G2), GodSpeed_6 (G2), Jolie2_6 (G4), Lemuria_6 (G4), Mercurio_7 (G4), Pace1224_6 (G2),

Start 17:

- Found in 6 of 117 (5.1%) of genes in pham
- Manual Annotations of this start: 6 of 110
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Antsirabe_6 (G5), Cloudyecho_6 (G3), MOOREtheMARYer_6 (G3), Pinnie_7 (G3), Stargaze_6 (G5), YangYin_6 (G5),

Start 18:

- Found in 75 of 117 (64.1%) of genes in pham
- Manual Annotations of this start: 72 of 110
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AizenPogi_6 (G1), Angel_6 (G1), Annihilator_6 (G1), Aroostook_6 (G1), Avrafan_6 (G1), AzulaCat_6 (G1), BPs_6 (G1), BQuat_6 (G1), Barkley26_6 (G1), BruceB_6 (G1), CLED96_6 (G1), Camri_6 (G1),

CassieYates_6 (G1), Cedasite_6 (G1), Chance64_6 (G1), Cherrybomb426_6 (G1), Coleslaw_6 (G1), Crespo_6 (G1), DMoney_6 (G1), DNAIII_006 (G1), Darionha_6 (G1), DingDing_6 (G1), ECartman_6 (G1), ForeverHowLong_6 (G1), Frosty24_6 (G1), Gideon_6 (G1), GoldenAsh_6 (G1), Gomashi_6 (G1), Grizzly_6 (G1), Halo_6 (G1), Hope_6 (G1), Hotshotbaby7_6 (G1), Jane_6 (G1), Jeilious_6 (G), Jolene_6 (G1), Jonghyun_6 (G1), JorRay_6 (G1), Kareem_6 (G1), Kasen3_6 (G1), Liefie_6 (G1), LouisV14_6 (G1), MZKinsey_6 (G1), Maliketh_6 (G1), Marmie_6 (G1), Mowgli_6 (G1), Neoh_6 (G), OctaviousRex_6 (G1), Olga_6 (G1), Paito_6 (G1), Peeb_6 (G1), Periodt_6 (G1), Phish_6 (G1), Phloodle_6 (G1), Phreak_6 (G1), PinkYoshi_6 (G1), Plagueis_6 (G1), Primanti_6 (G1), Rabbs_6 (G1), Rattrick_6 (G1), Remy19_6 (G1), Renaissance_6 (G1), Richarlison_6 (G1), Ruriko_6 (G1), Schiebel_6 (G1), ShaboiShabazz_6 (G1), Sizemore_6 (G1), Sneeze_6 (G1), Sweets_6 (G1), Taheera_6 (G1), Terror_6 (G1), TinaBug_6 (G1), TomBrady_6 (G1), Wendigo_6 (G1), ZoMa_6 (G1), Zombie_6 (G1),

Summary by clusters:

There are 18 clusters represented in this pham: CY3, CY2, G5, G, F4, G2, G1, CY4, AJ, CY1, F6, G4, DH, CY5, G3, singleton, CY7, CY6,

Info for manual annotations of cluster AJ:

- Start number 2 was manually annotated 1 time for cluster AJ.

Info for manual annotations of cluster CY1:

- Start number 7 was manually annotated 1 time for cluster CY1.
- Start number 10 was manually annotated 8 times for cluster CY1.

Info for manual annotations of cluster CY2:

- Start number 7 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster CY3:

- Start number 10 was manually annotated 2 times for cluster CY3.

Info for manual annotations of cluster CY4:

- Start number 10 was manually annotated 2 times for cluster CY4.

Info for manual annotations of cluster CY5:

- Start number 10 was manually annotated 1 time for cluster CY5.

Info for manual annotations of cluster CY6:

- Start number 10 was manually annotated 1 time for cluster CY6.

Info for manual annotations of cluster CY7:

- Start number 10 was manually annotated 1 time for cluster CY7.

Info for manual annotations of cluster DH:

- Start number 6 was manually annotated 1 time for cluster DH.
- Start number 13 was manually annotated 2 times for cluster DH.

Info for manual annotations of cluster F4:

- Start number 15 was manually annotated 4 times for cluster F4.

Info for manual annotations of cluster G:

- Start number 18 was manually annotated 2 times for cluster G.

Info for manual annotations of cluster G1:

- Start number 18 was manually annotated 70 times for cluster G1.

Info for manual annotations of cluster G2:

- Start number 16 was manually annotated 4 times for cluster G2.

Info for manual annotations of cluster G3:

- Start number 17 was manually annotated 3 times for cluster G3.

Info for manual annotations of cluster G4:

- Start number 16 was manually annotated 2 times for cluster G4.

Info for manual annotations of cluster G5:

- Start number 17 was manually annotated 3 times for cluster G5.

Gene Information:

Gene: AizenPogi_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for AizenPogi_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Angel_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for Angel_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Angelique_5 Start: 4595, Stop: 5251, Start Num: 10

Candidate Starts for Angelique_5:

(Start: 7 @4568 has 2 MA's), (Start: 10 @4595 has 15 MA's), (11, 4604), (Start: 14 @4628 has 1 MA's), (21, 4670), (23, 4673), (39, 4919),

Gene: Annihilator_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for Annihilator_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Antsirabe_6 Start: 6666, Stop: 7220, Start Num: 17

Candidate Starts for Antsirabe_6:

(Start: 17 @6666 has 6 MA's), (32, 6828), (37, 6888), (46, 7065), (47, 7068), (53, 7107),

Gene: Aroostook_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for Aroostook_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Avocado_6 Start: 6633, Stop: 7214, Start Num: 16

Candidate Starts for Avocado_6:

(Start: 16 @6633 has 6 MA's), (36, 6864), (46, 7062),

Gene: Avrafan_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for Avrafan_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: AzulaCat_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for AzulaCat_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: BPs_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for BPs_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: BQuat_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for BQuat_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Barkley26_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for Barkley26_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: BeeGee_5 Start: 4598, Stop: 5254, Start Num: 10

Candidate Starts for BeeGee_5:

(Start: 7 @4571 has 2 MA's), (Start: 10 @4598 has 15 MA's), (11, 4607), (Start: 14 @4631 has 1 MA's), (21, 4673), (23, 4676), (39, 4922),

Gene: Bradissa_5 Start: 4602, Stop: 5258, Start Num: 10

Candidate Starts for Bradissa_5:

(Start: 7 @4575 has 2 MA's), (Start: 10 @4602 has 15 MA's), (11, 4611), (Start: 14 @4635 has 1 MA's), (21, 4677), (23, 4680), (39, 4926),

Gene: BritBrat_5 Start: 4577, Stop: 5260, Start Num: 7

Candidate Starts for BritBrat_5:

(Start: 7 @4577 has 2 MA's), (Start: 10 @4604 has 15 MA's), (11, 4613), (Start: 14 @4637 has 1 MA's), (21, 4679), (23, 4682), (39, 4928),

Gene: BruceB_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for BruceB_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: CLED96_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for CLED96_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Cambiare_7 Start: 7095, Stop: 7676, Start Num: 16

Candidate Starts for Cambiare_7:

(Start: 16 @7095 has 6 MA's), (36, 7326), (46, 7524),

Gene: Camri_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for Camri_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Cashline_5 Start: 4451, Stop: 5107, Start Num: 10

Candidate Starts for Cashline_5:

(Start: 7 @4424 has 2 MA's), (Start: 10 @4451 has 15 MA's), (11, 4460), (21, 4526), (23, 4529), (39, 4775),

Gene: CassieYates_6 Start: 6514, Stop: 7056, Start Num: 18
Candidate Starts for CassieYates_6:
(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Cedasite_6 Start: 6514, Stop: 7056, Start Num: 18
Candidate Starts for Cedasite_6:
(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Chance64_6 Start: 6514, Stop: 7056, Start Num: 18
Candidate Starts for Chance64_6:
(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Cherrybomb426_6 Start: 6514, Stop: 7056, Start Num: 18
Candidate Starts for Cherrybomb426_6:
(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Cloudyecho_6 Start: 6620, Stop: 7174, Start Num: 17
Candidate Starts for Cloudyecho_6:
(Start: 17 @6620 has 6 MA's), (35, 6803), (46, 7022), (52, 7052), (54, 7088),

Gene: Coleslaw_6 Start: 6514, Stop: 7056, Start Num: 18
Candidate Starts for Coleslaw_6:
(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Confidence_5 Start: 4598, Stop: 5254, Start Num: 10
Candidate Starts for Confidence_5:
(Start: 7 @4571 has 2 MA's), (Start: 10 @4598 has 15 MA's), (11, 4607), (Start: 14 @4631 has 1 MA's), (21, 4673), (23, 4676), (39, 4922),

Gene: Crespo_6 Start: 6515, Stop: 7057, Start Num: 18
Candidate Starts for Crespo_6:
(Start: 18 @6515 has 72 MA's), (43, 6842), (45, 6899), (51, 6926),

Gene: DMoney_6 Start: 6514, Stop: 7056, Start Num: 18
Candidate Starts for DMoney_6:
(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: DNAIII_006 Start: 6523, Stop: 7065, Start Num: 18
Candidate Starts for DNAIII_006:
(Start: 18 @6523 has 72 MA's), (43, 6850), (45, 6907), (51, 6934),

Gene: Darionha_6 Start: 6514, Stop: 7056, Start Num: 18
Candidate Starts for Darionha_6:
(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: DingDing_6 Start: 6514, Stop: 7056, Start Num: 18
Candidate Starts for DingDing_6:
(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: ECartman_6 Start: 6514, Stop: 7056, Start Num: 18
Candidate Starts for ECartman_6:
(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: EMSquaredA_5 Start: 4604, Stop: 5260, Start Num: 10

Candidate Starts for EMSquaredA_5:

(Start: 7 @4577 has 2 MA's), (Start: 10 @4604 has 15 MA's), (11, 4613), (Start: 14 @4637 has 1 MA's), (21, 4679), (23, 4682), (39, 4928),

Gene: EnalisNailo_5 Start: 4604, Stop: 5260, Start Num: 10

Candidate Starts for EnalisNailo_5:

(Start: 7 @4577 has 2 MA's), (Start: 10 @4604 has 15 MA's), (11, 4613), (Start: 14 @4637 has 1 MA's), (21, 4679), (23, 4682), (39, 4928),

Gene: FlagStaff_6 Start: 6601, Stop: 7170, Start Num: 16

Candidate Starts for FlagStaff_6:

(Start: 16 @6601 has 6 MA's), (19, 6616), (35, 6799), (36, 6820), (46, 7018),

Gene: Floral_5 Start: 4604, Stop: 5260, Start Num: 10

Candidate Starts for Floral_5:

(Start: 7 @4577 has 2 MA's), (Start: 10 @4604 has 15 MA's), (11, 4613), (Start: 14 @4637 has 1 MA's), (21, 4679), (23, 4682), (39, 4928),

Gene: ForeverHowLong_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for ForeverHowLong_6:

(Start: 18 @6514 has 72 MA's), (45, 6898),

Gene: Frosty24_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for Frosty24_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Gideon_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for Gideon_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: GodSpeed_6 Start: 6592, Stop: 7170, Start Num: 16

Candidate Starts for GodSpeed_6:

(Start: 16 @6592 has 6 MA's), (19, 6607), (36, 6820), (46, 7018), (49, 7039),

Gene: GoldenAsh_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for GoldenAsh_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Gomashi_6 Start: 6515, Stop: 7057, Start Num: 18

Candidate Starts for Gomashi_6:

(Start: 18 @6515 has 72 MA's), (43, 6842), (45, 6899), (51, 6926),

Gene: Grizzly_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for Grizzly_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Halo_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for Halo_6:

(Start: 18 @6514 has 72 MA's), (45, 6898),

Gene: Hope_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for Hope_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Hotshotbaby7_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for Hotshotbaby7_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: IdentityCrisis_6 Start: 5296, Stop: 6006, Start Num: 2

Candidate Starts for IdentityCrisis_6:

(Start: 2 @5296 has 1 MA's), (8, 5380), (12, 5419), (22, 5488), (33, 5620), (40, 5743), (44, 5818), (54, 5917),

Gene: Jablanski_5 Start: 4451, Stop: 5107, Start Num: 10

Candidate Starts for Jablanski_5:

(Start: 7 @4424 has 2 MA's), (Start: 10 @4451 has 15 MA's), (11, 4460), (Start: 14 @4484 has 1 MA's), (21, 4526), (23, 4529), (39, 4775),

Gene: Jane_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for Jane_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Jeilious_6 Start: 6513, Stop: 7055, Start Num: 18

Candidate Starts for Jeilious_6:

(Start: 18 @6513 has 72 MA's), (43, 6840), (45, 6897), (51, 6924),

Gene: Jolene_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for Jolene_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Jolie2_6 Start: 5609, Stop: 6208, Start Num: 16

Candidate Starts for Jolie2_6:

(3, 5450), (Start: 16 @5609 has 6 MA's), (19, 5624), (20, 5636), (28, 5780), (36, 5852), (46, 6050), (59, 6173),

Gene: Jonghyun_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for Jonghyun_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: JorRay_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for JorRay_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Kareem_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for Kareem_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Kasen3_6 Start: 6515, Stop: 7057, Start Num: 18

Candidate Starts for Kasen3_6:

(1, 6290), (9, 6440), (Start: 18 @6515 has 72 MA's), (43, 6842), (45, 6899), (51, 6926),

Gene: Lemuria_6 Start: 5637, Stop: 6248, Start Num: 16

Candidate Starts for Lemuria_6:

(3, 5478), (4, 5490), (Start: 16 @5637 has 6 MA's), (19, 5652), (20, 5664), (28, 5820), (32, 5853), (46, 6090),

Gene: Liefie_6 Start: 6513, Stop: 7055, Start Num: 18

Candidate Starts for Liefie_6:

(Start: 18 @6513 has 72 MA's), (43, 6840), (45, 6897), (51, 6924),

Gene: Lilas_5 Start: 4604, Stop: 5260, Start Num: 10

Candidate Starts for Lilas_5:

(Start: 7 @4577 has 2 MA's), (Start: 10 @4604 has 15 MA's), (11, 4613), (Start: 14 @4637 has 1 MA's), (21, 4679), (23, 4682), (39, 4928),

Gene: LonelyBoi_5 Start: 4451, Stop: 5107, Start Num: 10

Candidate Starts for LonelyBoi_5:

(Start: 7 @4424 has 2 MA's), (Start: 10 @4451 has 15 MA's), (11, 4460), (Start: 14 @4484 has 1 MA's), (21, 4526), (23, 4529), (39, 4775),

Gene: LouisV14_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for LouisV14_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Lucky10_5 Start: 3847, Stop: 4470, Start Num: 6

Candidate Starts for Lucky10_5:

(Start: 6 @3847 has 1 MA's), (Start: 10 @3877 has 15 MA's), (Start: 14 @3916 has 1 MA's), (34, 4105), (50, 4348),

Gene: LunaStella_5 Start: 4553, Stop: 5050, Start Num: 15

Candidate Starts for LunaStella_5:

(Start: 15 @4553 has 4 MA's), (22, 4586), (40, 4808), (41, 4820), (42, 4832), (47, 4916), (51, 4937), (55, 5009),

Gene: MOOREtheMARYer_6 Start: 6621, Stop: 7172, Start Num: 17

Candidate Starts for MOOREtheMARYer_6:

(Start: 17 @6621 has 6 MA's), (35, 6804), (46, 7023), (52, 7053), (54, 7086),

Gene: MZKinsey_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for MZKinsey_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Maliketh_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for Maliketh_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Marmie_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for Marmie_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Marteena_5 Start: 4604, Stop: 5260, Start Num: 10

Candidate Starts for Marteena_5:

(Start: 7 @4577 has 2 MA's), (Start: 10 @4604 has 15 MA's), (11, 4613), (Start: 14 @4637 has 1 MA's), (21, 4679), (23, 4682), (39, 4928),

Gene: Mercurio_7 Start: 6283, Stop: 6876, Start Num: 16

Candidate Starts for Mercurio_7:

(3, 6124), (Start: 16 @6283 has 6 MA's), (19, 6298), (20, 6310), (32, 6484), (37, 6544), (46, 6721), (59, 6844),

Gene: Morkie_5 Start: 3817, Stop: 4428, Start Num: 13

Candidate Starts for Morkie_5:

(5, 3769), (Start: 7 @3775 has 2 MA's), (Start: 13 @3817 has 2 MA's), (Start: 15 @3850 has 4 MA's), (24, 3898), (26, 3940), (29, 4018), (30, 4024), (31, 4042), (32, 4045), (38, 4129), (40, 4189), (41, 4201), (45, 4291), (46, 4294), (48, 4306), (58, 4405),

Gene: Mowgli_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for Mowgli_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Neoh_6 Start: 6515, Stop: 7057, Start Num: 18

Candidate Starts for Neoh_6:

(Start: 18 @6515 has 72 MA's), (43, 6842), (45, 6899), (51, 6926),

Gene: OctaviousRex_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for OctaviousRex_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Olga_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for Olga_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: P3MA_6 Start: 4788, Stop: 5372, Start Num: 14

Candidate Starts for P3MA_6:

(Start: 14 @4788 has 1 MA's), (Start: 15 @4803 has 4 MA's), (25, 4878), (27, 4890), (32, 4980), (41, 5136), (54, 5289), (56, 5331), (57, 5343),

Gene: Pace1224_6 Start: 6601, Stop: 7170, Start Num: 16

Candidate Starts for Pace1224_6:

(Start: 16 @6601 has 6 MA's), (19, 6616), (35, 6799), (36, 6820), (46, 7018),

Gene: Paito_6 Start: 6575, Stop: 7117, Start Num: 18

Candidate Starts for Paito_6:

(Start: 18 @6575 has 72 MA's), (45, 6959),

Gene: Peeb_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for Peeb_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Periodt_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for Periodt_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Phish_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for Phish_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Phloodle_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for Phloodle_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: PhorbesPhlower_5 Start: 3817, Stop: 4428, Start Num: 13

Candidate Starts for PhorbesPhlower_5:

(5, 3769), (Start: 7 @3775 has 2 MA's), (Start: 13 @3817 has 2 MA's), (Start: 15 @3850 has 4 MA's), (24, 3898), (26, 3940), (29, 4018), (30, 4024), (31, 4042), (32, 4045), (38, 4129), (40, 4189), (41, 4201), (45, 4291), (46, 4294), (48, 4306), (58, 4405),

Gene: Phreak_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for Phreak_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: PinkYoshi_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for PinkYoshi_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Pinnie_7 Start: 7090, Stop: 7641, Start Num: 17

Candidate Starts for Pinnie_7:

(Start: 17 @7090 has 6 MA's), (35, 7273), (46, 7492), (47, 7495), (54, 7555),

Gene: Plagueis_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for Plagueis_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Pollux_5 Start: 4577, Stop: 5260, Start Num: 7

Candidate Starts for Pollux_5:

(Start: 7 @4577 has 2 MA's), (Start: 10 @4604 has 15 MA's), (11, 4613), (Start: 14 @4637 has 1 MA's), (21, 4679), (23, 4682), (39, 4928),

Gene: Posh_5 Start: 4598, Stop: 5254, Start Num: 10

Candidate Starts for Posh_5:

(Start: 7 @4571 has 2 MA's), (Start: 10 @4598 has 15 MA's), (11, 4607), (Start: 14 @4631 has 1 MA's), (21, 4673), (23, 4676), (39, 4922),

Gene: Primanti_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for Primanti_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Pytheas_5 Start: 4451, Stop: 5107, Start Num: 10

Candidate Starts for Pytheas_5:

(Start: 7 @4424 has 2 MA's), (Start: 10 @4451 has 15 MA's), (11, 4460), (Start: 14 @4484 has 1 MA's), (21, 4526), (23, 4529), (39, 4775),

Gene: Rabbs_6 Start: 6515, Stop: 7057, Start Num: 18

Candidate Starts for Rabbs_6:

(Start: 18 @6515 has 72 MA's), (45, 6899), (51, 6926),

Gene: Rattrick_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for Rattrick_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Remy19_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for Remy19_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Renaissance_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for Renaissance_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Renaud18_5 Start: 4433, Stop: 4930, Start Num: 15

Candidate Starts for Renaud18_5:

(Start: 15 @4433 has 4 MA's), (22, 4466), (40, 4688), (41, 4700), (42, 4712), (44, 4763), (47, 4796), (51, 4817), (55, 4889),

Gene: Richarlison_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for Richarlison_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Ruriko_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for Ruriko_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Schiebel_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for Schiebel_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: ShaboiShabazz_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for ShaboiShabazz_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Sizemore_6 Start: 6515, Stop: 7057, Start Num: 18

Candidate Starts for Sizemore_6:

(1, 6290), (9, 6440), (Start: 18 @6515 has 72 MA's), (43, 6842), (45, 6899), (51, 6926),

Gene: Sneeze_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for Sneeze_6:

(Start: 18 @6514 has 72 MA's), (45, 6898), (51, 6925),

Gene: Stargaze_6 Start: 6660, Stop: 7217, Start Num: 17

Candidate Starts for Stargaze_6:

(Start: 17 @6660 has 6 MA's), (32, 6825), (46, 7062), (47, 7065), (51, 7086),

Gene: Sweets_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for Sweets_6:

(Start: 18 @6514 has 72 MA's), (45, 6898),

Gene: TChen_5 Start: 4553, Stop: 5050, Start Num: 15

Candidate Starts for TChen_5:

(Start: 15 @4553 has 4 MA's), (22, 4586), (40, 4808), (41, 4820), (42, 4832), (47, 4916), (51, 4937), (55, 5009),

Gene: Taheera_6 Start: 6524, Stop: 7066, Start Num: 18

Candidate Starts for Taheera_6:

(Start: 18 @6524 has 72 MA's), (45, 6908), (51, 6935),

Gene: Terror_6 Start: 6524, Stop: 7066, Start Num: 18

Candidate Starts for Terror_6:

(Start: 18 @6524 has 72 MA's), (45, 6908), (51, 6935),

Gene: ThetaBob_5 Start: 4433, Stop: 4930, Start Num: 15

Candidate Starts for ThetaBob_5:

(Start: 15 @4433 has 4 MA's), (22, 4466), (40, 4688), (41, 4700), (42, 4712), (44, 4763), (47, 4796), (51, 4817), (55, 4889),

Gene: TinaBug_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for TinaBug_6:

(Start: 18 @6514 has 72 MA's), (45, 6898),

Gene: TomBrady_6 Start: 6515, Stop: 7057, Start Num: 18

Candidate Starts for TomBrady_6:

(Start: 18 @6515 has 72 MA's), (43, 6842), (45, 6899), (51, 6926),

Gene: Toron_5 Start: 4553, Stop: 5050, Start Num: 15

Candidate Starts for Toron_5:

(Start: 15 @4553 has 4 MA's), (22, 4586), (40, 4808), (41, 4820), (42, 4832), (44, 4883), (47, 4916), (51, 4937), (55, 5009),

Gene: WST1_6 Start: 5296, Stop: 6006, Start Num: 2

Candidate Starts for WST1_6:

(Start: 2 @5296 has 1 MA's), (8, 5380), (12, 5419), (22, 5488), (33, 5620), (40, 5743), (44, 5818), (54, 5917),

Gene: Wendigo_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for Wendigo_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Wrigley_5 Start: 4448, Stop: 5104, Start Num: 10

Candidate Starts for Wrigley_5:

(Start: 7 @4421 has 2 MA's), (Start: 10 @4448 has 15 MA's), (11, 4457), (Start: 14 @4481 has 1 MA's), (21, 4523), (23, 4526), (39, 4772),

Gene: YangYin_6 Start: 6660, Stop: 7217, Start Num: 17

Candidate Starts for YangYin_6:

(Start: 17 @6660 has 6 MA's), (32, 6825), (46, 7062), (47, 7065), (51, 7086),

Gene: ZoMa_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for ZoMa_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),

Gene: Zombie_6 Start: 6514, Stop: 7056, Start Num: 18

Candidate Starts for Zombie_6:

(Start: 18 @6514 has 72 MA's), (43, 6841), (45, 6898), (51, 6925),