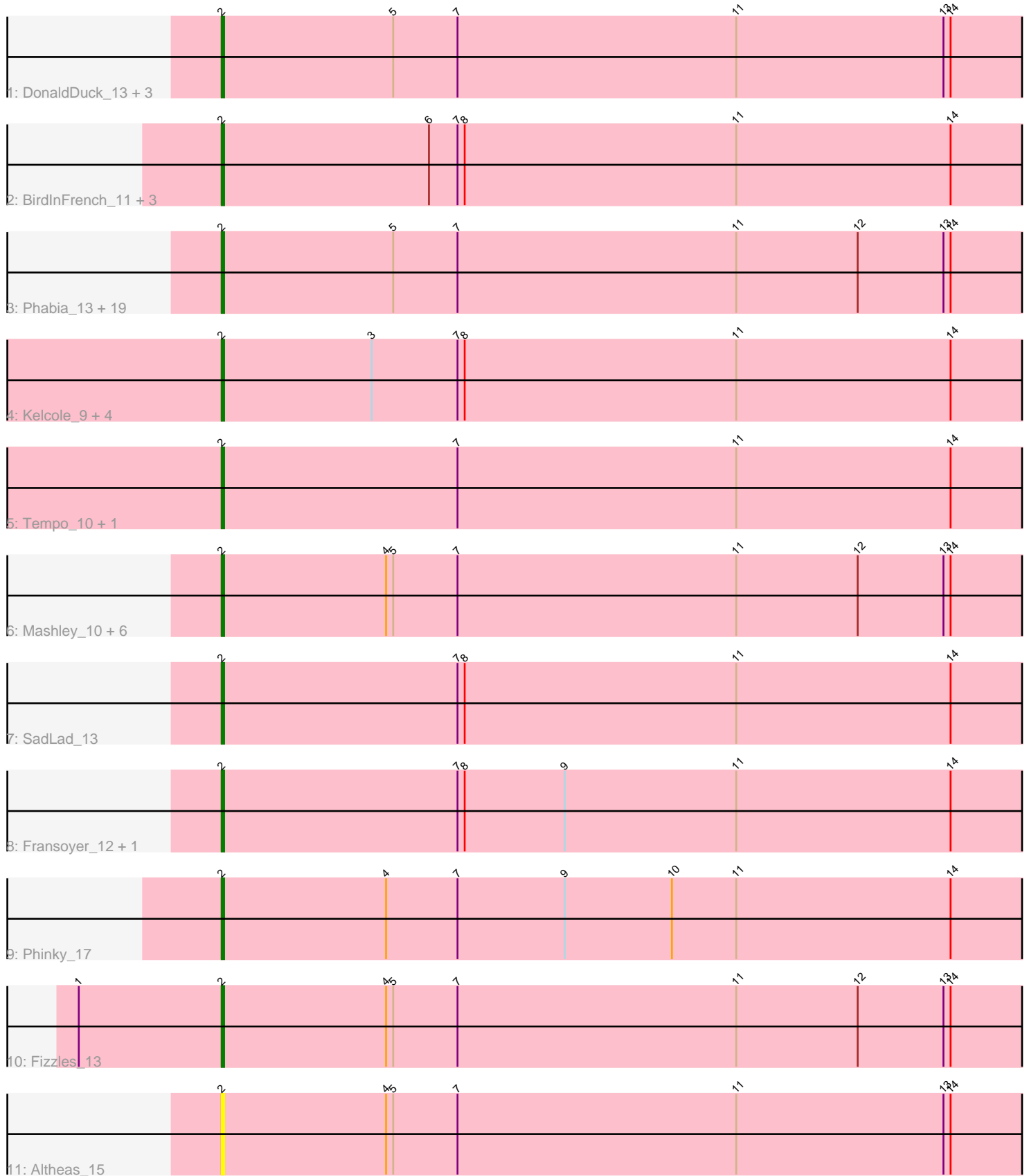


Pham 103624



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 103624 Report

This analysis was run 04/28/24 on database version 559.

Pham number 103624 has 48 members, 12 are drafts.

Phages represented in each track:

- Track 1 : DonaldDuck_13, Casend_14, Wheelie_12, Wayne3_14
- Track 2 : BirdInFrench_11, Marcie_15, Pepe25_10, Wilca_11
- Track 3 : Phabia_13, Quammi_11, Tissue_12, Namago_13, Sillytadpoles_13, Viceroy_12, Lonelysoil_12, Zagie_13, BabyDotz_12, SallyK_14, Rudy_11, Kyva_16, Llemily_13, Teehee_15, Rowlf_10, Jehoshaphat_15, StrawberryJamm_15, Grassboy_14, Zhafia_16, Judebell_15
- Track 4 : Kelcole_9, Romm_11, Fregley_12, CandC_10, RobinRose_11
- Track 5 : Tempo_10, OneinaGillian_10
- Track 6 : Mashley_10, Hyperion_11, Squash_15, Blab_11, Gazebo_11, AluminumJesus_11, Nike_14
- Track 7 : SadLad_13
- Track 8 : Fransoyer_12, RubyRalph_12
- Track 9 : Phinky_17
- Track 10 : Fizzles_13
- Track 11 : Altheas_15

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

The start number called the most often in the published annotations is 2, it was called in 36 of the 36 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Altheas_15, AluminumJesus_11, BabyDotz_12, BirdInFrench_11, Blab_11, CandC_10, Casend_14, DonaldDuck_13, Fizzles_13, Fransoyer_12, Fregley_12, Gazebo_11, Grassboy_14, Hyperion_11, Jehoshaphat_15, Judebell_15, Kelcole_9, Kyva_16, Llemily_13, Lonelysoil_12, Marcie_15, Mashley_10, Namago_13, Nike_14, OneinaGillian_10, Pepe25_10, Phabia_13, Phinky_17, Quammi_11, RobinRose_11, Romm_11, Rowlf_10, RubyRalph_12, Rudy_11, SadLad_13, SallyK_14, Sillytadpoles_13, Squash_15, StrawberryJamm_15, Teehee_15, Tempo_10, Tissue_12, Viceroy_12, Wayne3_14, Wheelie_12, Wilca_11, Zagie_13, Zhafia_16,

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 2:

- Found in 48 of 48 (100.0%) of genes in pham
- Manual Annotations of this start: 36 of 36
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Altheas_15 (EG), AluminumJesus_11 (EG), BabyDotz_12 (EG), BirdInFrench_11 (EG), Blab_11 (EG), CandC_10 (EG), Casend_14 (EG), DonaldDuck_13 (EG), Fizzles_13 (EG), Fransoyer_12 (EG), Fregley_12 (EG), Gazebo_11 (EG), Grassboy_14 (EG), Hyperion_11 (EG), Jehoshaphat_15 (EG), Judebell_15 (EG), Kelcole_9 (EG), Kyva_16 (EG), Llemily_13 (EG), Lonelysoil_12 (EG), Marcie_15 (EG), Mashley_10 (EG), Namago_13 (EG), Nike_14 (EG), OneinaGillian_10 (EG), Pepe25_10 (EG), Phabia_13 (EG), Phinky_17 (EG), Quammi_11 (EG), RobinRose_11 (EG), Romm_11 (EG), Rowlf_10 (EG), RubyRalph_12 (EG), Rudy_11 (EG), SadLad_13 (EG), SallyK_14 (EG), Sillytadpoles_13 (EG), Squash_15 (EG), StrawberryJamm_15 (EG), Teehee_15 (EG), Tempo_10 (EG), Tissue_12 (EG), Viceroy_12 (EG), Wayne3_14 (EG), Wheelie_12 (EG), Wilca_11 (EG), Zagie_13 (EG), Zhafia_16 (EG),

Summary by clusters:

There is one cluster represented in this pham: EG

Info for manual annotations of cluster EG:

- Start number 2 was manually annotated 36 times for cluster EG.

Gene Information:

Gene: Altheas_15 Start: 5160, Stop: 4804, Start Num: 2

Candidate Starts for Altheas_15:

(Start: 2 @5160 has 36 MA's), (4, 5091), (5, 5088), (7, 5061), (11, 4944), (13, 4857), (14, 4854),

Gene: AluminumJesus_11 Start: 4359, Stop: 4003, Start Num: 2

Candidate Starts for AluminumJesus_11:

(Start: 2 @4359 has 36 MA's), (4, 4290), (5, 4287), (7, 4260), (11, 4143), (12, 4092), (13, 4056), (14, 4053),

Gene: BabyDotz_12 Start: 4816, Stop: 4460, Start Num: 2

Candidate Starts for BabyDotz_12:

(Start: 2 @4816 has 36 MA's), (5, 4744), (7, 4717), (11, 4600), (12, 4549), (13, 4513), (14, 4510),

Gene: BirdInFrench_11 Start: 3259, Stop: 2909, Start Num: 2

Candidate Starts for BirdInFrench_11:

(Start: 2 @3259 has 36 MA's), (6, 3172), (7, 3160), (8, 3157), (11, 3043), (14, 2953),

Gene: Blab_11 Start: 4141, Stop: 3785, Start Num: 2

Candidate Starts for Blab_11:

(Start: 2 @4141 has 36 MA's), (4, 4072), (5, 4069), (7, 4042), (11, 3925), (12, 3874), (13, 3838), (14, 3835),

Gene: CandC_10 Start: 3023, Stop: 2673, Start Num: 2

Candidate Starts for CandC_10:

(Start: 2 @3023 has 36 MA's), (3, 2960), (7, 2924), (8, 2921), (11, 2807), (14, 2717),

Gene: Casend_14 Start: 5113, Stop: 4757, Start Num: 2

Candidate Starts for Casend_14:

(Start: 2 @5113 has 36 MA's), (5, 5041), (7, 5014), (11, 4897), (13, 4810), (14, 4807),

Gene: DonaldDuck_13 Start: 4459, Stop: 4103, Start Num: 2

Candidate Starts for DonaldDuck_13:

(Start: 2 @4459 has 36 MA's), (5, 4387), (7, 4360), (11, 4243), (13, 4156), (14, 4153),

Gene: Fizzles_13 Start: 4531, Stop: 4175, Start Num: 2

Candidate Starts for Fizzles_13:

(1, 4591), (Start: 2 @4531 has 36 MA's), (4, 4462), (5, 4459), (7, 4432), (11, 4315), (12, 4264), (13, 4228), (14, 4225),

Gene: Fransoyer_12 Start: 4025, Stop: 3675, Start Num: 2

Candidate Starts for Fransoyer_12:

(Start: 2 @4025 has 36 MA's), (7, 3926), (8, 3923), (9, 3881), (11, 3809), (14, 3719),

Gene: Fregley_12 Start: 3561, Stop: 3211, Start Num: 2

Candidate Starts for Fregley_12:

(Start: 2 @3561 has 36 MA's), (3, 3498), (7, 3462), (8, 3459), (11, 3345), (14, 3255),

Gene: Gazebo_11 Start: 4366, Stop: 4010, Start Num: 2

Candidate Starts for Gazebo_11:

(Start: 2 @4366 has 36 MA's), (4, 4297), (5, 4294), (7, 4267), (11, 4150), (12, 4099), (13, 4063), (14, 4060),

Gene: Grassboy_14 Start: 5147, Stop: 4791, Start Num: 2

Candidate Starts for Grassboy_14:

(Start: 2 @5147 has 36 MA's), (5, 5075), (7, 5048), (11, 4931), (12, 4880), (13, 4844), (14, 4841),

Gene: Hyperion_11 Start: 4404, Stop: 4048, Start Num: 2

Candidate Starts for Hyperion_11:

(Start: 2 @4404 has 36 MA's), (4, 4335), (5, 4332), (7, 4305), (11, 4188), (12, 4137), (13, 4101), (14, 4098),

Gene: Jehoshaphat_15 Start: 5405, Stop: 5049, Start Num: 2

Candidate Starts for Jehoshaphat_15:

(Start: 2 @5405 has 36 MA's), (5, 5333), (7, 5306), (11, 5189), (12, 5138), (13, 5102), (14, 5099),

Gene: Judebell_15 Start: 4931, Stop: 4575, Start Num: 2

Candidate Starts for Judebell_15:

(Start: 2 @4931 has 36 MA's), (5, 4859), (7, 4832), (11, 4715), (12, 4664), (13, 4628), (14, 4625),

Gene: Kelcole_9 Start: 3170, Stop: 2820, Start Num: 2

Candidate Starts for Kelcole_9:

(Start: 2 @3170 has 36 MA's), (3, 3107), (7, 3071), (8, 3068), (11, 2954), (14, 2864),

Gene: Kyva_16 Start: 5182, Stop: 4826, Start Num: 2

Candidate Starts for Kyva_16:

(Start: 2 @5182 has 36 MA's), (5, 5110), (7, 5083), (11, 4966), (12, 4915), (13, 4879), (14, 4876),

Gene: Llemily_13 Start: 4181, Stop: 3825, Start Num: 2

Candidate Starts for Llemily_13:

(Start: 2 @4181 has 36 MA's), (5, 4109), (7, 4082), (11, 3965), (12, 3914), (13, 3878), (14, 3875),

Gene: Lonelysoil_12 Start: 4426, Stop: 4070, Start Num: 2

Candidate Starts for Lonelysoil_12:

(Start: 2 @4426 has 36 MA's), (5, 4354), (7, 4327), (11, 4210), (12, 4159), (13, 4123), (14, 4120),

Gene: Marcie_15 Start: 3823, Stop: 3473, Start Num: 2

Candidate Starts for Marcie_15:

(Start: 2 @3823 has 36 MA's), (6, 3736), (7, 3724), (8, 3721), (11, 3607), (14, 3517),

Gene: Mashley_10 Start: 4221, Stop: 3865, Start Num: 2

Candidate Starts for Mashley_10:

(Start: 2 @4221 has 36 MA's), (4, 4152), (5, 4149), (7, 4122), (11, 4005), (12, 3954), (13, 3918), (14, 3915),

Gene: Namago_13 Start: 4238, Stop: 3882, Start Num: 2

Candidate Starts for Namago_13:

(Start: 2 @4238 has 36 MA's), (5, 4166), (7, 4139), (11, 4022), (12, 3971), (13, 3935), (14, 3932),

Gene: Nike_14 Start: 5129, Stop: 4773, Start Num: 2

Candidate Starts for Nike_14:

(Start: 2 @5129 has 36 MA's), (4, 5060), (5, 5057), (7, 5030), (11, 4913), (12, 4862), (13, 4826), (14, 4823),

Gene: OneinaGillian_10 Start: 2813, Stop: 2463, Start Num: 2

Candidate Starts for OneinaGillian_10:

(Start: 2 @2813 has 36 MA's), (7, 2714), (11, 2597), (14, 2507),

Gene: Pepe25_10 Start: 3259, Stop: 2909, Start Num: 2

Candidate Starts for Pepe25_10:

(Start: 2 @3259 has 36 MA's), (6, 3172), (7, 3160), (8, 3157), (11, 3043), (14, 2953),

Gene: Phabia_13 Start: 4596, Stop: 4240, Start Num: 2

Candidate Starts for Phabia_13:

(Start: 2 @4596 has 36 MA's), (5, 4524), (7, 4497), (11, 4380), (12, 4329), (13, 4293), (14, 4290),

Gene: Phinky_17 Start: 4841, Stop: 4485, Start Num: 2

Candidate Starts for Phinky_17:

(Start: 2 @4841 has 36 MA's), (4, 4772), (7, 4742), (9, 4697), (10, 4652), (11, 4625), (14, 4535),

Gene: Quammi_11 Start: 4170, Stop: 3814, Start Num: 2

Candidate Starts for Quammi_11:

(Start: 2 @4170 has 36 MA's), (5, 4098), (7, 4071), (11, 3954), (12, 3903), (13, 3867), (14, 3864),

Gene: RobinRose_11 Start: 2999, Stop: 2649, Start Num: 2

Candidate Starts for RobinRose_11:

(Start: 2 @2999 has 36 MA's), (3, 2936), (7, 2900), (8, 2897), (11, 2783), (14, 2693),

Gene: Romm_11 Start: 2999, Stop: 2649, Start Num: 2

Candidate Starts for Romm_11:

(Start: 2 @2999 has 36 MA's), (3, 2936), (7, 2900), (8, 2897), (11, 2783), (14, 2693),

Gene: Rowlf_10 Start: 3936, Stop: 3580, Start Num: 2

Candidate Starts for Rowlf_10:

(Start: 2 @3936 has 36 MA's), (5, 3864), (7, 3837), (11, 3720), (12, 3669), (13, 3633), (14, 3630),

Gene: RubyRalph_12 Start: 3959, Stop: 3609, Start Num: 2

Candidate Starts for RubyRalph_12:

(Start: 2 @3959 has 36 MA's), (7, 3860), (8, 3857), (9, 3815), (11, 3743), (14, 3653),

Gene: Rudy_11 Start: 4170, Stop: 3814, Start Num: 2

Candidate Starts for Rudy_11:

(Start: 2 @4170 has 36 MA's), (5, 4098), (7, 4071), (11, 3954), (12, 3903), (13, 3867), (14, 3864),

Gene: SadLad_13 Start: 4376, Stop: 4026, Start Num: 2

Candidate Starts for SadLad_13:

(Start: 2 @4376 has 36 MA's), (7, 4277), (8, 4274), (11, 4160), (14, 4070),

Gene: SallyK_14 Start: 5331, Stop: 4975, Start Num: 2

Candidate Starts for SallyK_14:

(Start: 2 @5331 has 36 MA's), (5, 5259), (7, 5232), (11, 5115), (12, 5064), (13, 5028), (14, 5025),

Gene: Sillytadpoles_13 Start: 4168, Stop: 3812, Start Num: 2

Candidate Starts for Sillytadpoles_13:

(Start: 2 @4168 has 36 MA's), (5, 4096), (7, 4069), (11, 3952), (12, 3901), (13, 3865), (14, 3862),

Gene: Squash_15 Start: 5184, Stop: 4828, Start Num: 2

Candidate Starts for Squash_15:

(Start: 2 @5184 has 36 MA's), (4, 5115), (5, 5112), (7, 5085), (11, 4968), (12, 4917), (13, 4881), (14, 4878),

Gene: StrawberryJamm_15 Start: 4470, Stop: 4114, Start Num: 2

Candidate Starts for StrawberryJamm_15:

(Start: 2 @4470 has 36 MA's), (5, 4398), (7, 4371), (11, 4254), (12, 4203), (13, 4167), (14, 4164),

Gene: Teehee_15 Start: 5405, Stop: 5049, Start Num: 2

Candidate Starts for Teehee_15:

(Start: 2 @5405 has 36 MA's), (5, 5333), (7, 5306), (11, 5189), (12, 5138), (13, 5102), (14, 5099),

Gene: Tempo_10 Start: 3194, Stop: 2844, Start Num: 2

Candidate Starts for Tempo_10:

(Start: 2 @3194 has 36 MA's), (7, 3095), (11, 2978), (14, 2888),

Gene: Tissue_12 Start: 4536, Stop: 4180, Start Num: 2

Candidate Starts for Tissue_12:

(Start: 2 @4536 has 36 MA's), (5, 4464), (7, 4437), (11, 4320), (12, 4269), (13, 4233), (14, 4230),

Gene: Viceroy_12 Start: 4170, Stop: 3814, Start Num: 2

Candidate Starts for Viceroy_12:

(Start: 2 @4170 has 36 MA's), (5, 4098), (7, 4071), (11, 3954), (12, 3903), (13, 3867), (14, 3864),

Gene: Wayne3_14 Start: 5108, Stop: 4752, Start Num: 2

Candidate Starts for Wayne3_14:

(Start: 2 @5108 has 36 MA's), (5, 5036), (7, 5009), (11, 4892), (13, 4805), (14, 4802),

Gene: Wheelie_12 Start: 4459, Stop: 4103, Start Num: 2

Candidate Starts for Wheelie_12:

(Start: 2 @4459 has 36 MA's), (5, 4387), (7, 4360), (11, 4243), (13, 4156), (14, 4153),

Gene: Wilca_11 Start: 3259, Stop: 2909, Start Num: 2

Candidate Starts for Wilca_11:

(Start: 2 @3259 has 36 MA's), (6, 3172), (7, 3160), (8, 3157), (11, 3043), (14, 2953),

Gene: Zagie_13 Start: 4673, Stop: 4317, Start Num: 2

Candidate Starts for Zagie_13:

(Start: 2 @4673 has 36 MA's), (5, 4601), (7, 4574), (11, 4457), (12, 4406), (13, 4370), (14, 4367),

Gene: Zhafia_16 Start: 4908, Stop: 4552, Start Num: 2

Candidate Starts for Zhafia_16:

(Start: 2 @4908 has 36 MA's), (5, 4836), (7, 4809), (11, 4692), (12, 4641), (13, 4605), (14, 4602),