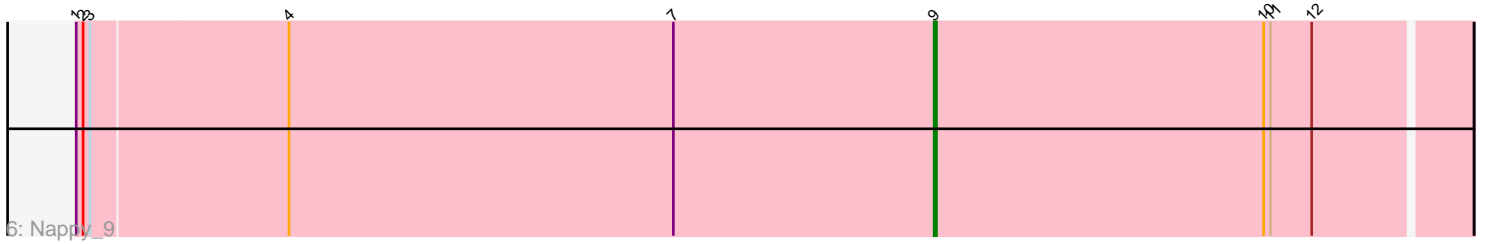
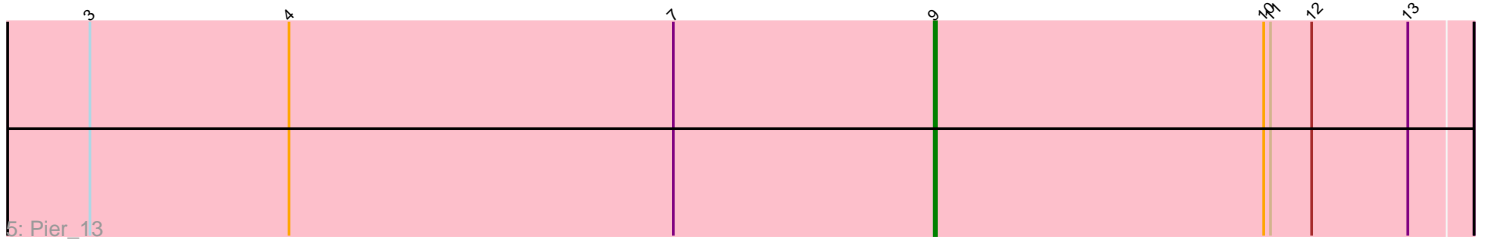
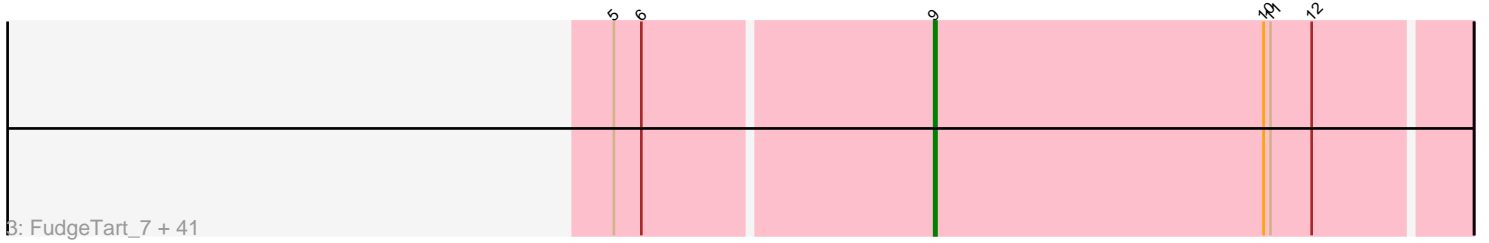
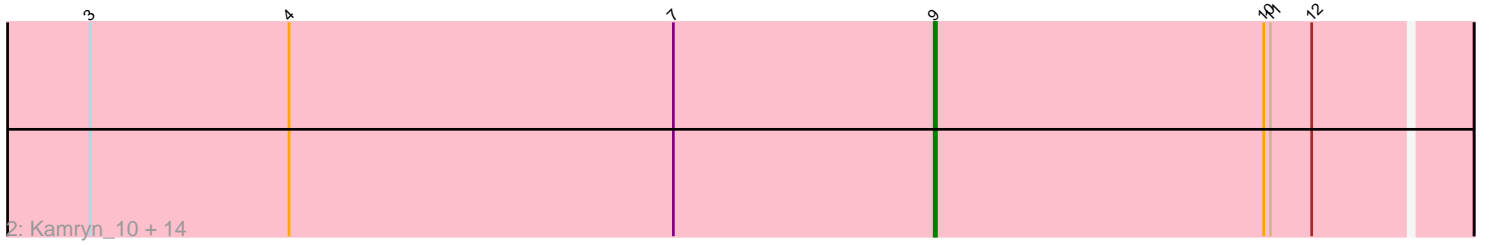
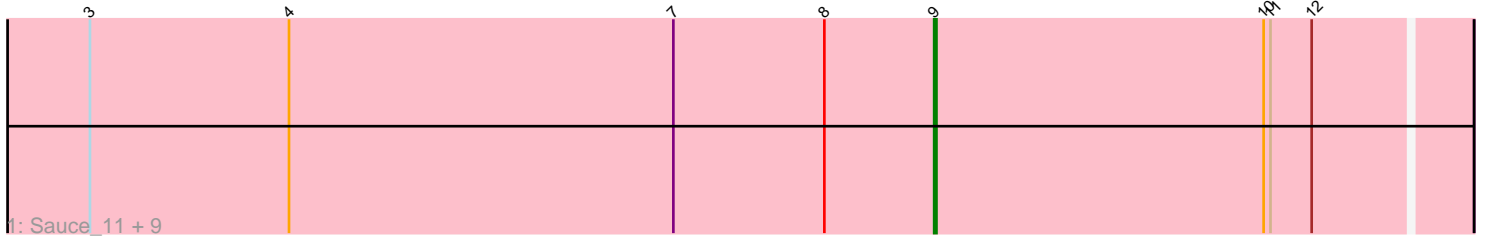


Pham 1474



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 1474 Report

This analysis was run 07/09/24 on database version 566.

Pham number 1474 has 70 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Sauce_11, MoMoMixon_10, Pio_11, Bxz1_10, Specks_13, Mikro_10, NoodleTree_10, Spud_11, NuevoMundo_12, Nidhogg_10
- Track 2 : Kamryn_10, FrayBell_13, Sebata_12, StephanieG_12, DirtMonster_10, Astraea_12, JayJay_11, LordLeafolot_13, Naval22_10, I3_11, Mangeria_11, InterFolia_13, Bigswole_9, Dandelion_13, LinStu_12
- Track 3 : FudgeTart_7, Bipolarisk_7, Pleione_7, Khaleesi_7, Norm_7, Burrough_7, Megamind_7, Bonray_7, TinyTim_7, Salacia_7, Iota_6, Jessibeth14_7, EmToTheThree_7, Roots515_7, FoxtrotP1_7, Gizmo_7, Zeenon_8, Loanshark_7, Erdmann_7, Lee7_7, Issimir_7, Ava3_7, ParkTD_7, Maby2021_7, Shrimp_7, MikeLiesIn_7, DrPhinkDaddy_7, Shelob_7, Ewok_7, Izajani_7, Daffodil_7, PurduePete_7, Capablanca_7, Bread_7, Asterius_7, Zalkecks_7, ZygoTaiga_7, SrishMeg2525_7, McWolfish_7, NedWong_7, Delilah_7, YemiJoy2021_7
- Track 4 : Drazdys_10
- Track 5 : Pier_13
- Track 6 : Nappy_9

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

The start number called the most often in the published annotations is 9, it was called in 64 of the 64 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Asterius_7, Astraea_12, Ava3_7, Bigswole_9, Bipolarisk_7, Bonray_7, Bread_7, Burrough_7, Bxz1_10, Capablanca_7, Daffodil_7, Dandelion_13, Delilah_7, DirtMonster_10, DrPhinkDaddy_7, Drazdys_10, EmToTheThree_7, Erdmann_7, Ewok_7, FoxtrotP1_7, FrayBell_13, FudgeTart_7, Gizmo_7, I3_11, InterFolia_13, Iota_6, Issimir_7, Izajani_7, JayJay_11, Jessibeth14_7, Kamryn_10, Khaleesi_7, Lee7_7, LinStu_12, Loanshark_7, LordLeafolot_13, Maby2021_7, Mangeria_11, McWolfish_7, Megamind_7, MikeLiesIn_7, Mikro_10, MoMoMixon_10, Nappy_9, Naval22_10, NedWong_7, Nidhogg_10, NoodleTree_10, Norm_7, NuevoMundo_12, ParkTD_7, Pier_13, Pio_11, Pleione_7, PurduePete_7, Roots515_7, Salacia_7, Sauce_11, Sebata_12, Shelob_7, Shrimp_7, Specks_13, Spud_11, SrishMeg2525_7, StephanieG_12, TinyTim_7, YemiJoy2021_7, Zalkecks_7, Zeenon_8, ZygoTaiga_7,

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 9:

- Found in 70 of 70 (100.0%) of genes in pham
- Manual Annotations of this start: 64 of 64
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Asterius_7 (C1), Astraea_12 (C1), Ava3_7 (C1), Bigswole_9 (C1), Bipolarisk_7 (C1), Bonray_7 (C1), Bread_7 (C1), Burrough_7 (C1), Bxz1_10 (C1), Capablanca_7 (C1), Daffodil_7 (C1), Dandelion_13 (C1), Delilah_7 (C1), DirtMonster_10 (C1), DrPhinkDaddy_7 (C1), Drazdys_10 (C1), EmToTheThree_7 (C1), Erdmann_7 (C1), Ewok_7 (C1), FoxtrotP1_7 (C1), FrayBell_13 (C1), FudgeTart_7 (C1), Gizmo_7 (C1), I3_11 (C1), InterFolia_13 (C1), Iota_6 (C1), Issimir_7 (C1), Izajani_7 (C1), JayJay_11 (C1), Jessibeth14_7 (C1), Kamryn_10 (C1), Khaleesi_7 (C1), Lee7_7 (C1), LinStu_12 (C1), Loanshark_7 (C1), LordLeafolot_13 (C1), Maby2021_7 (C1), Mangeria_11 (C1), McWolfish_7 (C1), Megamind_7 (C1), MikeLiesIn_7 (C1), Mikro_10 (C1), MoMoMixon_10 (C1), Nappy_9 (C1), Naval22_10 (C1), NedWong_7 (C1), Nidhogg_10 (C1), NoodleTree_10 (C1), Norm_7 (C1), NuevoMundo_12 (C1), ParkTD_7 (C1), Pier_13 (C1), Pio_11 (C1), Pleione_7 (C1), PurduePete_7 (C1), Roots515_7 (C1), Salacia_7 (C1), Sauce_11 (C1), Sebata_12 (C1), Shelob_7 (C1), Shrimp_7 (C1), Specks_13 (C1), Spud_11 (C1), SrishMeg2525_7 (C1), StephanieG_12 (C1), TinyTim_7 (C1), YemiJoy2021_7 (C1), Zalkecks_7 (C1), Zeenon_8 (C1), ZygoTaiga_7 (C1),

Summary by clusters:

There is one cluster represented in this pham: C1

Info for manual annotations of cluster C1:

- Start number 9 was manually annotated 64 times for cluster C1.

Gene Information:

Gene: Asterius_7 Start: 2899, Stop: 3129, Start Num: 9

Candidate Starts for Asterius_7:

(5, 2764), (6, 2776), (Start: 9 @2899 has 64 MA's), (10, 3043), (11, 3046), (12, 3064),

Gene: Astraea_12 Start: 3579, Stop: 3809, Start Num: 9

Candidate Starts for Astraea_12:

(3, 3210), (4, 3297), (7, 3465), (Start: 9 @3579 has 64 MA's), (10, 3723), (11, 3726), (12, 3744),

Gene: Ava3_7 Start: 2899, Stop: 3129, Start Num: 9

Candidate Starts for Ava3_7:

(5, 2764), (6, 2776), (Start: 9 @2899 has 64 MA's), (10, 3043), (11, 3046), (12, 3064),

Gene: Bigswole_9 Start: 3171, Stop: 3401, Start Num: 9

Candidate Starts for Bigswole_9:
(3, 2802), (4, 2889), (7, 3057), (Start: 9 @3171 has 64 MA's), (10, 3315), (11, 3318), (12, 3336),

Gene: Bipolarisk_7 Start: 2899, Stop: 3129, Start Num: 9
Candidate Starts for Bipolarisk_7:
(5, 2764), (6, 2776), (Start: 9 @2899 has 64 MA's), (10, 3043), (11, 3046), (12, 3064),

Gene: Bonray_7 Start: 2893, Stop: 3123, Start Num: 9
Candidate Starts for Bonray_7:
(5, 2758), (6, 2770), (Start: 9 @2893 has 64 MA's), (10, 3037), (11, 3040), (12, 3058),

Gene: Bread_7 Start: 2899, Stop: 3129, Start Num: 9
Candidate Starts for Bread_7:
(5, 2764), (6, 2776), (Start: 9 @2899 has 64 MA's), (10, 3043), (11, 3046), (12, 3064),

Gene: Burrough_7 Start: 2899, Stop: 3129, Start Num: 9
Candidate Starts for Burrough_7:
(5, 2764), (6, 2776), (Start: 9 @2899 has 64 MA's), (10, 3043), (11, 3046), (12, 3064),

Gene: Bxz1_10 Start: 3269, Stop: 3499, Start Num: 9
Candidate Starts for Bxz1_10:
(3, 2900), (4, 2987), (7, 3155), (8, 3221), (Start: 9 @3269 has 64 MA's), (10, 3413), (11, 3416), (12, 3434),

Gene: Capablanca_7 Start: 2899, Stop: 3129, Start Num: 9
Candidate Starts for Capablanca_7:
(5, 2764), (6, 2776), (Start: 9 @2899 has 64 MA's), (10, 3043), (11, 3046), (12, 3064),

Gene: Daffodil_7 Start: 2899, Stop: 3129, Start Num: 9
Candidate Starts for Daffodil_7:
(5, 2764), (6, 2776), (Start: 9 @2899 has 64 MA's), (10, 3043), (11, 3046), (12, 3064),

Gene: Dandelion_13 Start: 4248, Stop: 4478, Start Num: 9
Candidate Starts for Dandelion_13:
(3, 3879), (4, 3966), (7, 4134), (Start: 9 @4248 has 64 MA's), (10, 4392), (11, 4395), (12, 4413),

Gene: Delilah_7 Start: 2899, Stop: 3129, Start Num: 9
Candidate Starts for Delilah_7:
(5, 2764), (6, 2776), (Start: 9 @2899 has 64 MA's), (10, 3043), (11, 3046), (12, 3064),

Gene: DirtMonster_10 Start: 4490, Stop: 4720, Start Num: 9
Candidate Starts for DirtMonster_10:
(3, 4121), (4, 4208), (7, 4376), (Start: 9 @4490 has 64 MA's), (10, 4634), (11, 4637), (12, 4655),

Gene: DrPhinkDaddy_7 Start: 2899, Stop: 3129, Start Num: 9
Candidate Starts for DrPhinkDaddy_7:
(5, 2764), (6, 2776), (Start: 9 @2899 has 64 MA's), (10, 3043), (11, 3046), (12, 3064),

Gene: Drazdys_10 Start: 3363, Stop: 3593, Start Num: 9
Candidate Starts for Drazdys_10:
(Start: 9 @3363 has 64 MA's), (10, 3507), (11, 3510), (12, 3528),

Gene: EmToTheThree_7 Start: 2899, Stop: 3129, Start Num: 9

Candidate Starts for EmToTheThree_7:

(5, 2764), (6, 2776), (Start: 9 @2899 has 64 MA's), (10, 3043), (11, 3046), (12, 3064),

Gene: Erdmann_7 Start: 2899, Stop: 3129, Start Num: 9

Candidate Starts for Erdmann_7:

(5, 2764), (6, 2776), (Start: 9 @2899 has 64 MA's), (10, 3043), (11, 3046), (12, 3064),

Gene: Ewok_7 Start: 2899, Stop: 3129, Start Num: 9

Candidate Starts for Ewok_7:

(5, 2764), (6, 2776), (Start: 9 @2899 has 64 MA's), (10, 3043), (11, 3046), (12, 3064),

Gene: FoxtrotP1_7 Start: 2899, Stop: 3129, Start Num: 9

Candidate Starts for FoxtrotP1_7:

(5, 2764), (6, 2776), (Start: 9 @2899 has 64 MA's), (10, 3043), (11, 3046), (12, 3064),

Gene: FrayBell_13 Start: 4070, Stop: 4300, Start Num: 9

Candidate Starts for FrayBell_13:

(3, 3701), (4, 3788), (7, 3956), (Start: 9 @4070 has 64 MA's), (10, 4214), (11, 4217), (12, 4235),

Gene: FudgeTart_7 Start: 2899, Stop: 3129, Start Num: 9

Candidate Starts for FudgeTart_7:

(5, 2764), (6, 2776), (Start: 9 @2899 has 64 MA's), (10, 3043), (11, 3046), (12, 3064),

Gene: Gizmo_7 Start: 2899, Stop: 3129, Start Num: 9

Candidate Starts for Gizmo_7:

(5, 2764), (6, 2776), (Start: 9 @2899 has 64 MA's), (10, 3043), (11, 3046), (12, 3064),

Gene: I3_11 Start: 3977, Stop: 4207, Start Num: 9

Candidate Starts for I3_11:

(3, 3608), (4, 3695), (7, 3863), (Start: 9 @3977 has 64 MA's), (10, 4121), (11, 4124), (12, 4142),

Gene: InterFolia_13 Start: 4069, Stop: 4299, Start Num: 9

Candidate Starts for InterFolia_13:

(3, 3700), (4, 3787), (7, 3955), (Start: 9 @4069 has 64 MA's), (10, 4213), (11, 4216), (12, 4234),

Gene: Iota_6 Start: 2745, Stop: 2975, Start Num: 9

Candidate Starts for Iota_6:

(5, 2610), (6, 2622), (Start: 9 @2745 has 64 MA's), (10, 2889), (11, 2892), (12, 2910),

Gene: Issimir_7 Start: 2893, Stop: 3123, Start Num: 9

Candidate Starts for Issimir_7:

(5, 2758), (6, 2770), (Start: 9 @2893 has 64 MA's), (10, 3037), (11, 3040), (12, 3058),

Gene: Izajani_7 Start: 2899, Stop: 3129, Start Num: 9

Candidate Starts for Izajani_7:

(5, 2764), (6, 2776), (Start: 9 @2899 has 64 MA's), (10, 3043), (11, 3046), (12, 3064),

Gene: JayJay_11 Start: 3598, Stop: 3828, Start Num: 9

Candidate Starts for JayJay_11:

(3, 3229), (4, 3316), (7, 3484), (Start: 9 @3598 has 64 MA's), (10, 3742), (11, 3745), (12, 3763),

Gene: Jessibeth14_7 Start: 2899, Stop: 3129, Start Num: 9

Candidate Starts for Jessibeth14_7:

(5, 2764), (6, 2776), (Start: 9 @2899 has 64 MA's), (10, 3043), (11, 3046), (12, 3064),

Gene: Kamryn_10 Start: 3228, Stop: 3458, Start Num: 9

Candidate Starts for Kamryn_10:

(3, 2859), (4, 2946), (7, 3114), (Start: 9 @3228 has 64 MA's), (10, 3372), (11, 3375), (12, 3393),

Gene: Khaleesi_7 Start: 2899, Stop: 3129, Start Num: 9

Candidate Starts for Khaleesi_7:

(5, 2764), (6, 2776), (Start: 9 @2899 has 64 MA's), (10, 3043), (11, 3046), (12, 3064),

Gene: Lee7_7 Start: 2899, Stop: 3129, Start Num: 9

Candidate Starts for Lee7_7:

(5, 2764), (6, 2776), (Start: 9 @2899 has 64 MA's), (10, 3043), (11, 3046), (12, 3064),

Gene: LinStu_12 Start: 4597, Stop: 4827, Start Num: 9

Candidate Starts for LinStu_12:

(3, 4228), (4, 4315), (7, 4483), (Start: 9 @4597 has 64 MA's), (10, 4741), (11, 4744), (12, 4762),

Gene: Loanshark_7 Start: 2899, Stop: 3129, Start Num: 9

Candidate Starts for Loanshark_7:

(5, 2764), (6, 2776), (Start: 9 @2899 has 64 MA's), (10, 3043), (11, 3046), (12, 3064),

Gene: LordLeafolot_13 Start: 4069, Stop: 4299, Start Num: 9

Candidate Starts for LordLeafolot_13:

(3, 3700), (4, 3787), (7, 3955), (Start: 9 @4069 has 64 MA's), (10, 4213), (11, 4216), (12, 4234),

Gene: Maby2021_7 Start: 2899, Stop: 3129, Start Num: 9

Candidate Starts for Maby2021_7:

(5, 2764), (6, 2776), (Start: 9 @2899 has 64 MA's), (10, 3043), (11, 3046), (12, 3064),

Gene: Mangeria_11 Start: 3653, Stop: 3883, Start Num: 9

Candidate Starts for Mangeria_11:

(3, 3284), (4, 3371), (7, 3539), (Start: 9 @3653 has 64 MA's), (10, 3797), (11, 3800), (12, 3818),

Gene: McWolfish_7 Start: 2899, Stop: 3129, Start Num: 9

Candidate Starts for McWolfish_7:

(5, 2764), (6, 2776), (Start: 9 @2899 has 64 MA's), (10, 3043), (11, 3046), (12, 3064),

Gene: Megamind_7 Start: 2899, Stop: 3129, Start Num: 9

Candidate Starts for Megamind_7:

(5, 2764), (6, 2776), (Start: 9 @2899 has 64 MA's), (10, 3043), (11, 3046), (12, 3064),

Gene: MikeLiesIn_7 Start: 2899, Stop: 3129, Start Num: 9

Candidate Starts for MikeLiesIn_7:

(5, 2764), (6, 2776), (Start: 9 @2899 has 64 MA's), (10, 3043), (11, 3046), (12, 3064),

Gene: Mikro_10 Start: 4227, Stop: 4457, Start Num: 9

Candidate Starts for Mikro_10:

(3, 3858), (4, 3945), (7, 4113), (8, 4179), (Start: 9 @4227 has 64 MA's), (10, 4371), (11, 4374), (12, 4392),

Gene: MoMoMixon_10 Start: 3504, Stop: 3734, Start Num: 9

Candidate Starts for MoMoMixon_10:

(3, 3135), (4, 3222), (7, 3390), (8, 3456), (Start: 9 @3504 has 64 MA's), (10, 3648), (11, 3651), (12, 3669),

Gene: Nappy_9 Start: 2894, Stop: 3124, Start Num: 9

Candidate Starts for Nappy_9:

(1, 2522), (2, 2525), (3, 2528), (4, 2612), (7, 2780), (Start: 9 @2894 has 64 MA's), (10, 3038), (11, 3041), (12, 3059),

Gene: Naval22_10 Start: 3504, Stop: 3734, Start Num: 9

Candidate Starts for Naval22_10:

(3, 3135), (4, 3222), (7, 3390), (Start: 9 @3504 has 64 MA's), (10, 3648), (11, 3651), (12, 3669),

Gene: NedWong_7 Start: 2899, Stop: 3129, Start Num: 9

Candidate Starts for NedWong_7:

(5, 2764), (6, 2776), (Start: 9 @2899 has 64 MA's), (10, 3043), (11, 3046), (12, 3064),

Gene: Nidhogg_10 Start: 3504, Stop: 3734, Start Num: 9

Candidate Starts for Nidhogg_10:

(3, 3135), (4, 3222), (7, 3390), (8, 3456), (Start: 9 @3504 has 64 MA's), (10, 3648), (11, 3651), (12, 3669),

Gene: NoodleTree_10 Start: 3228, Stop: 3458, Start Num: 9

Candidate Starts for NoodleTree_10:

(3, 2859), (4, 2946), (7, 3114), (8, 3180), (Start: 9 @3228 has 64 MA's), (10, 3372), (11, 3375), (12, 3393),

Gene: Norm_7 Start: 2899, Stop: 3129, Start Num: 9

Candidate Starts for Norm_7:

(5, 2764), (6, 2776), (Start: 9 @2899 has 64 MA's), (10, 3043), (11, 3046), (12, 3064),

Gene: NuevoMundo_12 Start: 3921, Stop: 4151, Start Num: 9

Candidate Starts for NuevoMundo_12:

(3, 3552), (4, 3639), (7, 3807), (8, 3873), (Start: 9 @3921 has 64 MA's), (10, 4065), (11, 4068), (12, 4086),

Gene: ParkTD_7 Start: 2899, Stop: 3129, Start Num: 9

Candidate Starts for ParkTD_7:

(5, 2764), (6, 2776), (Start: 9 @2899 has 64 MA's), (10, 3043), (11, 3046), (12, 3064),

Gene: Pier_13 Start: 3924, Stop: 4157, Start Num: 9

Candidate Starts for Pier_13:

(3, 3555), (4, 3642), (7, 3810), (Start: 9 @3924 has 64 MA's), (10, 4068), (11, 4071), (12, 4089), (13, 4131),

Gene: Pio_11 Start: 3658, Stop: 3888, Start Num: 9

Candidate Starts for Pio_11:

(3, 3289), (4, 3376), (7, 3544), (8, 3610), (Start: 9 @3658 has 64 MA's), (10, 3802), (11, 3805), (12, 3823),

Gene: Pleione_7 Start: 2899, Stop: 3129, Start Num: 9

Candidate Starts for Pleione_7:

(5, 2764), (6, 2776), (Start: 9 @2899 has 64 MA's), (10, 3043), (11, 3046), (12, 3064),

Gene: PurduePete_7 Start: 2899, Stop: 3129, Start Num: 9

Candidate Starts for PurduePete_7:

(5, 2764), (6, 2776), (Start: 9 @2899 has 64 MA's), (10, 3043), (11, 3046), (12, 3064),

Gene: Roots515_7 Start: 2899, Stop: 3129, Start Num: 9

Candidate Starts for Roots515_7:

(5, 2764), (6, 2776), (Start: 9 @2899 has 64 MA's), (10, 3043), (11, 3046), (12, 3064),

Gene: Salacia_7 Start: 2899, Stop: 3129, Start Num: 9

Candidate Starts for Salacia_7:

(5, 2764), (6, 2776), (Start: 9 @2899 has 64 MA's), (10, 3043), (11, 3046), (12, 3064),

Gene: Sauce_11 Start: 3508, Stop: 3738, Start Num: 9

Candidate Starts for Sauce_11:

(3, 3139), (4, 3226), (7, 3394), (8, 3460), (Start: 9 @3508 has 64 MA's), (10, 3652), (11, 3655), (12, 3673),

Gene: Sebata_12 Start: 4597, Stop: 4827, Start Num: 9

Candidate Starts for Sebata_12:

(3, 4228), (4, 4315), (7, 4483), (Start: 9 @4597 has 64 MA's), (10, 4741), (11, 4744), (12, 4762),

Gene: Shelob_7 Start: 2899, Stop: 3129, Start Num: 9

Candidate Starts for Shelob_7:

(5, 2764), (6, 2776), (Start: 9 @2899 has 64 MA's), (10, 3043), (11, 3046), (12, 3064),

Gene: Shrimp_7 Start: 2903, Stop: 3133, Start Num: 9

Candidate Starts for Shrimp_7:

(5, 2768), (6, 2780), (Start: 9 @2903 has 64 MA's), (10, 3047), (11, 3050), (12, 3068),

Gene: Specks_13 Start: 4110, Stop: 4340, Start Num: 9

Candidate Starts for Specks_13:

(3, 3741), (4, 3828), (7, 3996), (8, 4062), (Start: 9 @4110 has 64 MA's), (10, 4254), (11, 4257), (12, 4275),

Gene: Spud_11 Start: 3658, Stop: 3888, Start Num: 9

Candidate Starts for Spud_11:

(3, 3289), (4, 3376), (7, 3544), (8, 3610), (Start: 9 @3658 has 64 MA's), (10, 3802), (11, 3805), (12, 3823),

Gene: SrishMeg2525_7 Start: 2899, Stop: 3129, Start Num: 9

Candidate Starts for SrishMeg2525_7:

(5, 2764), (6, 2776), (Start: 9 @2899 has 64 MA's), (10, 3043), (11, 3046), (12, 3064),

Gene: StephanieG_12 Start: 3924, Stop: 4154, Start Num: 9

Candidate Starts for StephanieG_12:

(3, 3555), (4, 3642), (7, 3810), (Start: 9 @3924 has 64 MA's), (10, 4068), (11, 4071), (12, 4089),

Gene: TinyTim_7 Start: 2899, Stop: 3129, Start Num: 9

Candidate Starts for TinyTim_7:

(5, 2764), (6, 2776), (Start: 9 @2899 has 64 MA's), (10, 3043), (11, 3046), (12, 3064),

Gene: YemiJoy2021_7 Start: 2899, Stop: 3129, Start Num: 9

Candidate Starts for YemiJoy2021_7:

(5, 2764), (6, 2776), (Start: 9 @2899 has 64 MA's), (10, 3043), (11, 3046), (12, 3064),

Gene: Zalkecks_7 Start: 2899, Stop: 3129, Start Num: 9

Candidate Starts for Zalkecks_7:

(5, 2764), (6, 2776), (Start: 9 @2899 has 64 MA's), (10, 3043), (11, 3046), (12, 3064),

Gene: Zeenon_8 Start: 2900, Stop: 3130, Start Num: 9

Candidate Starts for Zeenon_8:

(5, 2765), (6, 2777), (Start: 9 @2900 has 64 MA's), (10, 3044), (11, 3047), (12, 3065),

Gene: ZygoTaiga_7 Start: 2899, Stop: 3129, Start Num: 9

Candidate Starts for ZygoTaiga_7:

(5, 2764), (6, 2776), (Start: 9 @2899 has 64 MA's), (10, 3043), (11, 3046), (12, 3064),