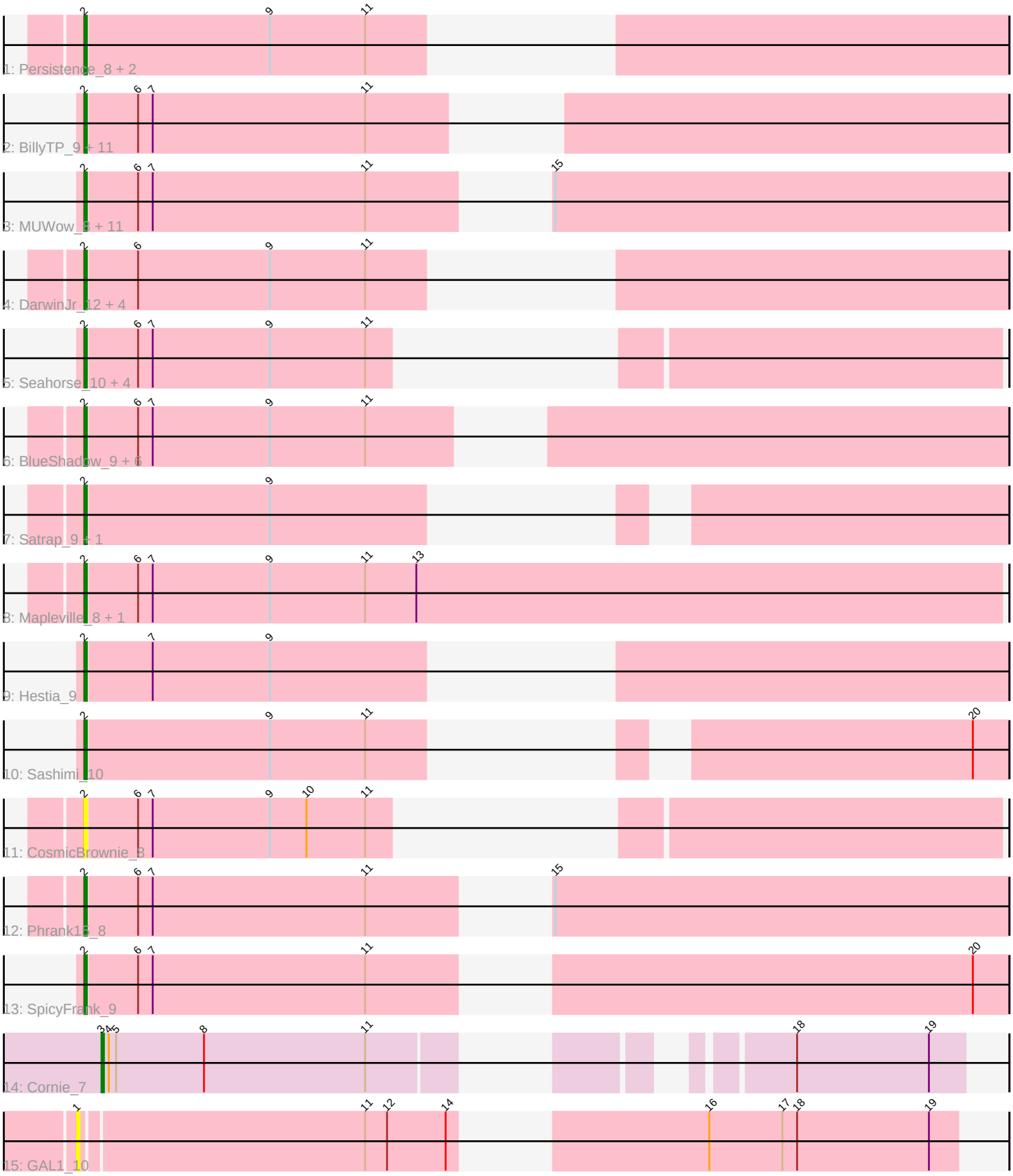
Pham 347675


1: Persistence_8 + 2
2: BillyTP_9 + 11
3: MUWow_8 + 11
4: DarwinJr_12 + 4
5: Seahorse_10 + 4
6: BlueShadow_9 + 6
7: Satrap_9 + 1
8: Mapleville_8 + 1
9: Hestia_9
10: Sashimi_10
11: CosmicBrownie_8
12: Phrank16_8
13: SpicyFrank_9
14: Cornie_7
15: GAL1_10

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 347675 Report

This analysis was run 11/14/26 on database version 672.

Pham number 347675 has 55 members, 10 are drafts.

Phages represented in each track:
• Track 1 : Persistence_8, Ding_9, JakeTheSnake_9
• Track 2 : BillyTP_9, Sporco_9, Auxilium_9, Bhageatrice_11, Faja_9, EvePickles_9, JellyBread_9, AdaS_9, Raphaella_9, NewKitty_10, Windest_10, CookieBear_9
• Track 3 : MUWow_8, BenchScraper_9, BasketStar_9, YoungHarleezy_9, Gorpy_9, Vopal_10, Lasker_9, Aikyam_9, Sakai_9, MaterMagnus_9, SonDevVon_8, Richie_9
• Track 4 : DarwinJr_12, Crescenzo_9, MurphyJoseph_9, GumGum_9, Anekin_8
• Track 5 : Seahorse_10, Isolde_10, Nyilah_8, Tiff81_10, Kabloowy_9
• Track 6 : BlueShadow_9, LeBruni_9, Globfish_9, MidnightRain_9, RadFad_9, ThayneTheZag_9, Hillester_9
• Track 7 : Satrap_9, Shukran_9
• Track 8 : Mapleville_8, Lawnathon_9
• Track 9 : Hestia_9
• Track 10 : Sashimi_10
• Track 11 : CosmicBrownie_8
• Track 12 : Phrank15_8
• Track 13 : SpicyFrank_9
• Track 14 : Cornie_7
• Track 15 : GAL1_10

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 44 of the 45 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AdaS_9, Aikyam_9, Anekin_8, Auxilium_9, BasketStar_9, BenchScraper_9, Bhageatrice_11, BillyTP_9, BlueShadow_9, CookieBear_9, CosmicBrownie_8, Crescenzo_9, DarwinJr_12, Ding_9, EvePickles_9, Faja_9, Globfish_9, Gorpy_9, GumGum_9, Hestia_9, Hillester_9, Isolde_10, JakeTheSnake_9, JellyBread_9, Kabloowy_9, Lasker_9, Lawnathon_9, LeBruni_9, MUWow_8, Mapleville_8, MaterMagnus_9, MidnightRain_9, MurphyJoseph_9, NewKitty_10, Nyilah_8, Persistence_8, Phrank15_8, RadFad_9, Raphaella_9, Richie_9, Sakai_9, Sashimi_10, Satrap_9, Seahorse_10, Shukran_9, SonDevVon_8, SpicyFrank_9, Sporco_9, ThayneTheZag_9, Tiff81_10, Vopal_10, Windest_10, YoungHarleezy_9,

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

Genes that do not have the "Most Annotated" start:
• Cornie_7, GAL1_10,

Summary by start number:

Start 1:
• Found in 1 of 55 (1.8%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GAL1_10 (singleton),

Start 2:
• Found in 53 of 55 (96.4%) of genes in pham
• Manual Annotations of this start: 44 of 45
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AdaS_9 (AY), Aikyam_9 (AY), Anekin_8 (AY), Auxilium_9 (AY), BasketStar_9 (AY), BenchScraper_9 (AY), Bhageatrice_11 (AY), BillyTP_9 (AY), BlueShadow_9 (AY), CookieBear_9 (AY), CosmicBrownie_8 (AY), Crescenzo_9 (AY), DarwinJr_12 (AY), Ding_9 (AY), EvePickles_9 (AY), Faja_9 (AY), Globfish_9 (AY), Gorpy_9 (AY), GumGum_9 (AY), Hestia_9 (AY), Hillester_9 (AY), Isolde_10 (AY), JakeTheSnake_9 (AY), JellyBread_9 (AY), Kabloowy_9 (AY), Lasker_9 (AY), Lawnathon_9 (AY), LeBruni_9 (AY), MUWow_8 (AY), Mapleville_8 (AY), MaterMagnus_9 (AY), MidnightRain_9 (AY), MurphyJoseph_9 (AY), NewKitty_10 (AY), Nyilah_8 (AY), Persistence_8 (AY), Phrank15_8 (AY), RadFad_9 (AY), Raphaella_9 (AY), Richie_9 (AY), Sakai_9 (AY), Sashimi_10 (AY), Satrap_9 (AY), Seahorse_10 (AY), Shukran_9 (AY), SonDevVon_8 (AY), SpicyFrank_9 (AY), Sporco_9 (AY), ThayneTheZag_9 (AY), Tiff81_10 (AY), Vopal_10 (AY), Windest_10 (AY), YoungHarleezy_9 (AY),

Start 3:
• Found in 1 of 55 (1.8%) of genes in pham
• Manual Annotations of this start: 1 of 45
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cornie_7 (F5),

Summary by clusters:

There are 3 clusters represented in this pham: AY, singleton, F5,

Info for manual annotations of cluster AY:
•Start number 2 was manually annotated 44 times for cluster AY.

Info for manual annotations of cluster F5:
•Start number 3 was manually annotated 1 time for cluster F5.

Gene Information:

Gene: AdaS_9 Start: 6955, Stop: 7278, Start Num: 2
Candidate Starts for AdaS_9:
(Start: 2 @6955 has 44 MA's), (6, 6976), (7, 6982), (11, 7069),

Gene: Aikyam_9 Start: 6941, Stop: 7279, Start Num: 2
Candidate Starts for Aikyam_9:
(Start: 2 @6941 has 44 MA's), (6, 6962), (7, 6968), (11, 7055), (15, 7094),

Gene: Anekin_8 Start: 7092, Stop: 7391, Start Num: 2
Candidate Starts for Anekin_8:
(Start: 2 @7092 has 44 MA's), (6, 7113), (9, 7167), (11, 7206),

Gene: Auxilium_9 Start: 6955, Stop: 7278, Start Num: 2
Candidate Starts for Auxilium_9:
(Start: 2 @6955 has 44 MA's), (6, 6976), (7, 6982), (11, 7069),

Gene: BasketStar_9 Start: 6994, Stop: 7332, Start Num: 2
Candidate Starts for BasketStar_9:
(Start: 2 @6994 has 44 MA's), (6, 7015), (7, 7021), (11, 7108), (15, 7147),

Gene: BenchScraper_9 Start: 6955, Stop: 7293, Start Num: 2
Candidate Starts for BenchScraper_9:
(Start: 2 @6955 has 44 MA's), (6, 6976), (7, 6982), (11, 7069), (15, 7108),

Gene: Bhageatrice_11 Start: 8150, Stop: 8488, Start Num: 2
Candidate Starts for Bhageatrice_11:
(Start: 2 @8150 has 44 MA's), (6, 8171), (7, 8177), (11, 8264),

Gene: BillyTP_9 Start: 6949, Stop: 7278, Start Num: 2
Candidate Starts for BillyTP_9:
(Start: 2 @6949 has 44 MA's), (6, 6970), (7, 6976), (11, 7063),

Gene: BlueShadow_9 Start: 6939, Stop: 7277, Start Num: 2
Candidate Starts for BlueShadow_9:
(Start: 2 @6939 has 44 MA's), (6, 6960), (7, 6966), (9, 7014), (11, 7053),

Gene: CookieBear_9 Start: 6955, Stop: 7278, Start Num: 2
Candidate Starts for CookieBear_9:
(Start: 2 @6955 has 44 MA's), (6, 6976), (7, 6982), (11, 7069),

Gene: Cornie_7 Start: 5933, Stop: 6220, Start Num: 3
Candidate Starts for Cornie_7:
(Start: 3 @5933 has 1 MA's), (4, 5936), (5, 5939), (8, 5975), (11, 6041), (18, 6152), (19, 6206),

Gene: CosmicBrownie_8 Start: 7070, Stop: 7348, Start Num: 2
Candidate Starts for CosmicBrownie_8:
(Start: 2 @7070 has 44 MA's), (6, 7091), (7, 7097), (9, 7145), (10, 7160), (11, 7184),

Gene: Crescenzo_9 Start: 7020, Stop: 7319, Start Num: 2
Candidate Starts for Crescenzo_9:
(Start: 2 @7020 has 44 MA's), (6, 7041), (9, 7095), (11, 7134),

Gene: DarwinJr_12 Start: 8323, Stop: 8622, Start Num: 2

Candidate Starts for DarwinJr_12:
(Start: 2 @8323 has 44 MA's), (6, 8344), (9, 8398), (11, 8437),

Gene: Ding_9 Start: 6965, Stop: 7249, Start Num: 2
Candidate Starts for Ding_9:
(Start: 2 @6965 has 44 MA's), (9, 7040), (11, 7079),

Gene: EvePickles_9 Start: 6997, Stop: 7335, Start Num: 2
Candidate Starts for EvePickles_9:
(Start: 2 @6997 has 44 MA's), (6, 7018), (7, 7024), (11, 7111),

Gene: Faja_9 Start: 6941, Stop: 7279, Start Num: 2
Candidate Starts for Faja_9:
(Start: 2 @6941 has 44 MA's), (6, 6962), (7, 6968), (11, 7055),

Gene: GAL1_10 Start: 7852, Stop: 8169, Start Num: 1
Candidate Starts for GAL1_10:
(1, 7852), (11, 7966), (12, 7975), (14, 7999), (16, 8068), (17, 8098), (18, 8104), (19, 8158),

Gene: Globfish_9 Start: 6999, Stop: 7322, Start Num: 2
Candidate Starts for Globfish_9:
(Start: 2 @6999 has 44 MA's), (6, 7020), (7, 7026), (9, 7074), (11, 7113),

Gene: Gorpy_9 Start: 6949, Stop: 7287, Start Num: 2
Candidate Starts for Gorpy_9:
(Start: 2 @6949 has 44 MA's), (6, 6970), (7, 6976), (11, 7063), (15, 7102),

Gene: GumGum_9 Start: 7024, Stop: 7323, Start Num: 2
Candidate Starts for GumGum_9:
(Start: 2 @7024 has 44 MA's), (6, 7045), (9, 7099), (11, 7138),

Gene: Hestia_9 Start: 7089, Stop: 7388, Start Num: 2
Candidate Starts for Hestia_9:
(Start: 2 @7089 has 44 MA's), (7, 7116), (9, 7164),

Gene: Hillester_9 Start: 6939, Stop: 7277, Start Num: 2
Candidate Starts for Hillester_9:
(Start: 2 @6939 has 44 MA's), (6, 6960), (7, 6966), (9, 7014), (11, 7053),

Gene: Isolde_10 Start: 7012, Stop: 7350, Start Num: 2
Candidate Starts for Isolde_10:
(Start: 2 @7012 has 44 MA's), (6, 7033), (7, 7039), (9, 7087), (11, 7126),

Gene: JakeTheSnake_9 Start: 6979, Stop: 7278, Start Num: 2
Candidate Starts for JakeTheSnake_9:
(Start: 2 @6979 has 44 MA's), (9, 7054), (11, 7093),

Gene: JellyBread_9 Start: 6948, Stop: 7271, Start Num: 2
Candidate Starts for JellyBread_9:
(Start: 2 @6948 has 44 MA's), (6, 6969), (7, 6975), (11, 7062),

Gene: Kabloowy_9 Start: 7022, Stop: 7366, Start Num: 2
Candidate Starts for Kabloowy_9:

(Start: 2 @7022 has 44 MA's), (6, 7043), (7, 7049), (9, 7097), (11, 7136),

Gene: Lasker_9 Start: 6948, Stop: 7286, Start Num: 2
Candidate Starts for Lasker_9:
(Start: 2 @6948 has 44 MA's), (6, 6969), (7, 6975), (11, 7062), (15, 7101),

Gene: Lawnathon_9 Start: 7023, Stop: 7397, Start Num: 2
Candidate Starts for Lawnathon_9:
(Start: 2 @7023 has 44 MA's), (6, 7044), (7, 7050), (9, 7098), (11, 7137), (13, 7158),

Gene: LeBruni_9 Start: 6994, Stop: 7302, Start Num: 2
Candidate Starts for LeBruni_9:
(Start: 2 @6994 has 44 MA's), (6, 7015), (7, 7021), (9, 7069), (11, 7108),

Gene: MUWow_8 Start: 7027, Stop: 7365, Start Num: 2
Candidate Starts for MUWow_8:
(Start: 2 @7027 has 44 MA's), (6, 7048), (7, 7054), (11, 7141), (15, 7180),

Gene: Mapleville_8 Start: 7093, Stop: 7467, Start Num: 2
Candidate Starts for Mapleville_8:
(Start: 2 @7093 has 44 MA's), (6, 7114), (7, 7120), (9, 7168), (11, 7207), (13, 7228),

Gene: MaterMagnus_9 Start: 6941, Stop: 7279, Start Num: 2
Candidate Starts for MaterMagnus_9:
(Start: 2 @6941 has 44 MA's), (6, 6962), (7, 6968), (11, 7055), (15, 7094),

Gene: MidnightRain_9 Start: 6939, Stop: 7277, Start Num: 2
Candidate Starts for MidnightRain_9:
(Start: 2 @6939 has 44 MA's), (6, 6960), (7, 6966), (9, 7014), (11, 7053),

Gene: MurphyJoseph_9 Start: 6950, Stop: 7249, Start Num: 2
Candidate Starts for MurphyJoseph_9:
(Start: 2 @6950 has 44 MA's), (6, 6971), (9, 7025), (11, 7064),

Gene: NewKitty_10 Start: 7170, Stop: 7508, Start Num: 2
Candidate Starts for NewKitty_10:
(Start: 2 @7170 has 44 MA's), (6, 7191), (7, 7197), (11, 7284),

Gene: Nyilah_8 Start: 7024, Stop: 7368, Start Num: 2
Candidate Starts for Nyilah_8:
(Start: 2 @7024 has 44 MA's), (6, 7045), (7, 7051), (9, 7099), (11, 7138),

Gene: Persistence_8 Start: 7047, Stop: 7346, Start Num: 2
Candidate Starts for Persistence_8:
(Start: 2 @7047 has 44 MA's), (9, 7122), (11, 7161),

Gene: Phrank15_8 Start: 7093, Stop: 7431, Start Num: 2
Candidate Starts for Phrank15_8:
(Start: 2 @7093 has 44 MA's), (6, 7114), (7, 7120), (11, 7207), (15, 7246),

Gene: RadFad_9 Start: 6939, Stop: 7277, Start Num: 2
Candidate Starts for RadFad_9:
(Start: 2 @6939 has 44 MA's), (6, 6960), (7, 6966), (9, 7014), (11, 7053),

Gene: Raphaella_9 Start: 6955, Stop: 7278, Start Num: 2
Candidate Starts for Raphaella_9:
(Start: 2 @6955 has 44 MA's), (6, 6976), (7, 6982), (11, 7069),

Gene: Richie_9 Start: 6955, Stop: 7293, Start Num: 2
Candidate Starts for Richie_9:
(Start: 2 @6955 has 44 MA's), (6, 6976), (7, 6982), (11, 7069), (15, 7108),

Gene: Sakai_9 Start: 6949, Stop: 7287, Start Num: 2
Candidate Starts for Sakai_9:
(Start: 2 @6949 has 44 MA's), (6, 6970), (7, 6976), (11, 7063), (15, 7102),

Gene: Sashimi_10 Start: 7112, Stop: 7393, Start Num: 2
Candidate Starts for Sashimi_10:
(Start: 2 @7112 has 44 MA's), (9, 7187), (11, 7226), (20, 7379),

Gene: Satrap_9 Start: 6950, Stop: 7231, Start Num: 2
Candidate Starts for Satrap_9:
(Start: 2 @6950 has 44 MA's), (9, 7025),

Gene: Seahorse_10 Start: 7220, Stop: 7498, Start Num: 2
Candidate Starts for Seahorse_10:
(Start: 2 @7220 has 44 MA's), (6, 7241), (7, 7247), (9, 7295), (11, 7334),

Gene: Shukran_9 Start: 6950, Stop: 7231, Start Num: 2
Candidate Starts for Shukran_9:
(Start: 2 @6950 has 44 MA's), (9, 7025),

Gene: SonDevVon_8 Start: 6942, Stop: 7280, Start Num: 2
Candidate Starts for SonDevVon_8:
(Start: 2 @6942 has 44 MA's), (6, 6963), (7, 6969), (11, 7056), (15, 7095),

Gene: SpicyFrank_9 Start: 7003, Stop: 7341, Start Num: 2
Candidate Starts for SpicyFrank_9:
(Start: 2 @7003 has 44 MA's), (6, 7024), (7, 7030), (11, 7117), (20, 7327),

Gene: Sporco_9 Start: 7000, Stop: 7329, Start Num: 2
Candidate Starts for Sporco_9:
(Start: 2 @7000 has 44 MA's), (6, 7021), (7, 7027), (11, 7114),

Gene: ThayneTheZag_9 Start: 6976, Stop: 7314, Start Num: 2
Candidate Starts for ThayneTheZag_9:
(Start: 2 @6976 has 44 MA's), (6, 6997), (7, 7003), (9, 7051), (11, 7090),

Gene: Tiff81_10 Start: 7112, Stop: 7456, Start Num: 2
Candidate Starts for Tiff81_10:
(Start: 2 @7112 has 44 MA's), (6, 7133), (7, 7139), (9, 7187), (11, 7226),

Gene: Vopal_10 Start: 7012, Stop: 7350, Start Num: 2
Candidate Starts for Vopal_10:
(Start: 2 @7012 has 44 MA's), (6, 7033), (7, 7039), (11, 7126), (15, 7165),

Gene: Windest_10 Start: 7012, Stop: 7335, Start Num: 2
Candidate Starts for Windest_10:
(Start: 2 @7012 has 44 MA's), (6, 7033), (7, 7039), (11, 7126),

Gene: YoungHarleezy_9 Start: 6953, Stop: 7291, Start Num: 2
Candidate Starts for YoungHarleezy_9:
(Start: 2 @6953 has 44 MA's), (6, 6974), (7, 6980), (11, 7067), (15, 7106),