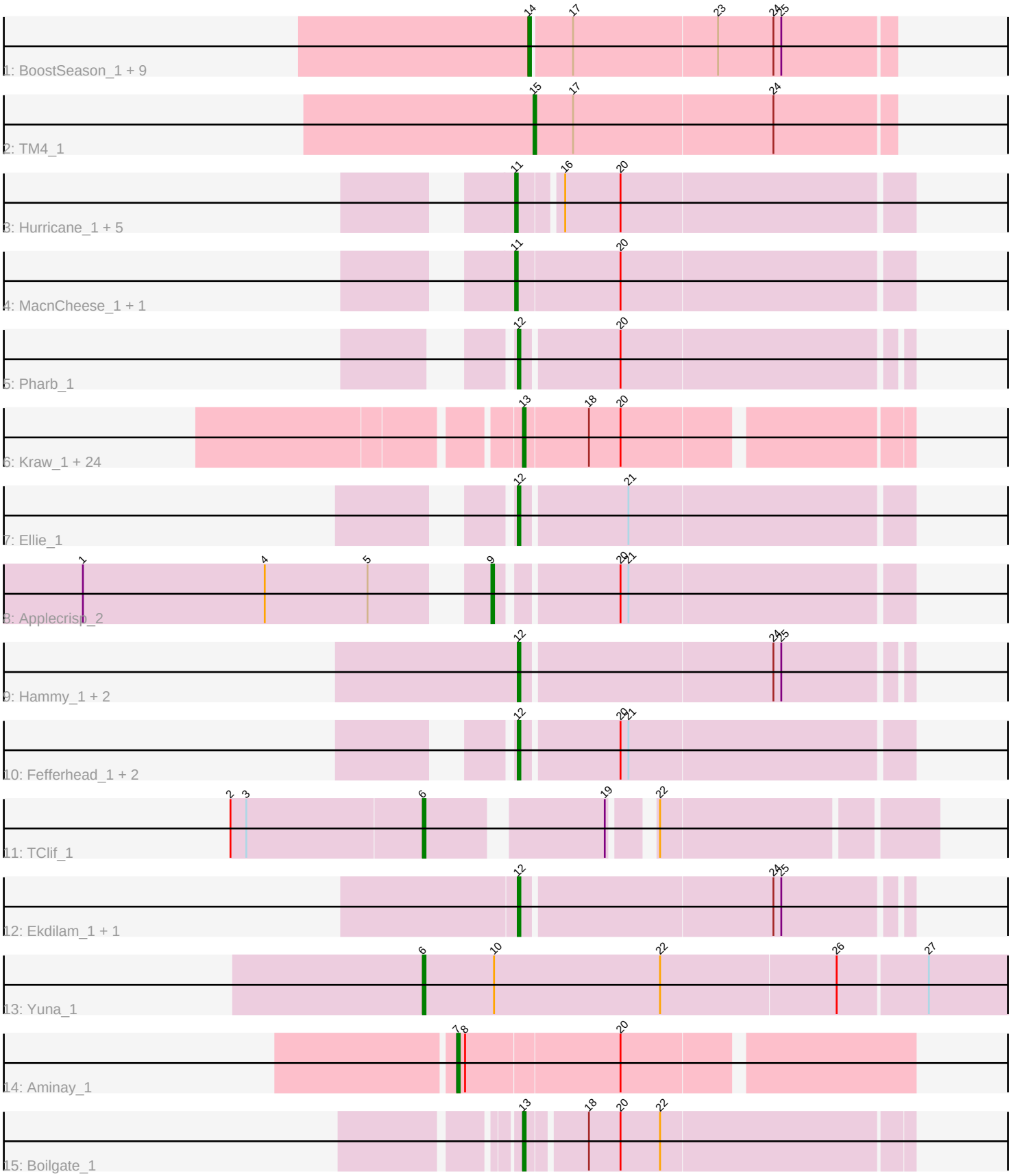
Pham 303394


1: BoostSeason_1 + 9
2: TM4_1
3: Hurricane_1 + 5
4: MacnCheese_1 + 1
5: Pharb_1
6: Kraw_1 + 24
7: Ellie_1
8: Applecrisp_2
9: Hammy_1 + 2
10: Fefferhead_1 + 2
11: TClif_1
12: Ekdilam_1 + 1
13: Yuna_1
14: Aminay_1
15: Boilgate_1

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 303394 Report

This analysis was run 06/08/26 on database version 649.

Pham number 303394 has 59 members, 3 are drafts.

Phages represented in each track:
• Track 1 : BoostSeason_1, Doughnut_1, Milly_1, Strobilo_1, DismalFunk_1, Mufasa_1, DismalStressor_1, Findley_1, Marcoliusprime_1, ZoeJ_1
• Track 2 : TM4_1
• Track 3 : Hurricane_1, Keshu_1, Pixie_1, ShedlockHolmes_1, Lea83_1, TBond007_1
• Track 4 : MacnCheese_1, TribleTrouble_1
• Track 5 : Pharb_1
• Track 6 : Kraw_1, Fionnbharth_1, MissDaisy_1, Juliette_1, Eponine_1, Y10_01, Lebo14_1, Slarp_1, Taquito_1, Y2_01, JF1_1, OmniCritical_1, Qhanda_1, SamScheppers_1, Patt_1, Malthus_1, Bobquesha_1, Reptar3000_1, Cheetobro_1, Ruthiejr_1, DanSyl44_1, Wintermute_1, Chancellor_1, Mitti_1, YasnayaPolyana_1
• Track 7 : Ellie_1
• Track 8 : Applecrisp_2
• Track 9 : Hammy_1, Amohnition_1, DarthP_1
• Track 10 : Fefferhead_1, Amgine_1, Lavahound_1
• Track 11 : TClif_1
• Track 12 : Ekdilam_1, November_1
• Track 13 : Yuna_1
• Track 14 : Aminay_1
• Track 15 : Boilgate_1

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

The start number called the most often in the published annotations is 13, it was called in 23 of the 56 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bobquesha_1, Boilgate_1, Chancellor_1, Cheetobro_1, DanSyl44_1, Eponine_1, Fionnbharth_1, JF1_1, Juliette_1, Kraw_1, Lebo14_1, Malthus_1, MissDaisy_1, Mitti_1, OmniCritical_1, Patt_1, Qhanda_1, Reptar3000_1, Ruthiejr_1, SamScheppers_1, Slarp_1, Taquito_1, Wintermute_1, Y10_01, Y2_01, YasnayaPolyana_1,

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

•

Genes that do not have the "Most Annotated" start:
• Amgine_1, Aminay_1, Amohnition_1, Applecrisp_2, BoostSeason_1, DarthP_1, DismalFunk_1, DismalStressor_1, Doughnut_1, Ekdilam_1, Ellie_1, Fefferhead_1, Findley_1, Hammy_1, Hurricane_1, Keshu_1, Lavahound_1, Lea83_1, MacnCheese_1, Marcoliusprime_1, Milly_1, Mufasa_1, November_1, Pharb_1, Pixie_1, ShedlockHolmes_1, Strobilo_1, TBond007_1, TClif_1, TM4_1, TribleTrouble_1, Yuna_1, ZoeJ_1,

Summary by start number:

Start 6:
• Found in 2 of 59 (3.4%) of genes in pham
• Manual Annotations of this start: 2 of 56
• Called 100.0% of time when present
• Phage (with cluster) where this start called: TClif_1 (K6), Yuna_1 (K6),

Start 7:
• Found in 1 of 59 (1.7%) of genes in pham
• Manual Annotations of this start: 1 of 56
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aminay_1 (K7),

Start 9:
• Found in 1 of 59 (1.7%) of genes in pham
• Manual Annotations of this start: 1 of 56
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Applecrisp_2 (K6),

Start 11:
• Found in 8 of 59 (13.6%) of genes in pham
• Manual Annotations of this start: 8 of 56
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hurricane_1 (K3), Keshu_1 (K3), Lea83_1 (K3), MacnCheese_1 (K3), Pixie_1 (K3), ShedlockHolmes_1 (K3), TBond007_1 (K3), TribleTrouble_1 (K3),

Start 12:
• Found in 10 of 59 (16.9%) of genes in pham
• Manual Annotations of this start: 10 of 56
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amgine_1 (K6), Amohnition_1 (K6), DarthP_1 (K6), Ekdilam_1 (K6), Ellie_1 (K6), Fefferhead_1 (K6), Hammy_1 (K6), Lavahound_1 (K6), November_1 (K6), Pharb_1 (K3),

Start 13:
• Found in 26 of 59 (44.1%) of genes in pham
• Manual Annotations of this start: 23 of 56
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bobquesha_1 (K4), Boilgate_1 (K8), Chancellor_1 (K4), Cheetobro_1 (K4), DanSyl44_1 (K4), Eponine_1 (K4), Fionnbharth_1 (K4), JF1_1 (K4), Juliette_1 (K4), Kraw_1 (K4), Lebo14_1 (K4),

Malthus_1 (K4), MissDaisy_1 (K4), Mitti_1 (K4), OmniCritical_1 (K4), Patt_1 (K4), Qhanda_1 (K4), Reptar3000_1 (K4), Ruthiejr_1 (K4), SamScheppers_1 (K4), Slarp_1 (K4), Taquito_1 (K4), Wintermute_1 (K4), Y10_01 (K4), Y2_01 (K4), YasnayaPolyana_1 (K4),

Start 14:
• Found in 10 of 59 (16.9%) of genes in pham
• Manual Annotations of this start: 10 of 56
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BoostSeason_1 (K2), DismalFunk_1 (K2), DismalStressor_1 (K2), Doughnut_1 (K2), Findley_1 (K2), Marcoliusprime_1 (K2), Milly_1 (K2), Mufasa_1 (K2), Strobilo_1 (K2), ZoeJ_1 (K2),

Start 15:
• Found in 1 of 59 (1.7%) of genes in pham
• Manual Annotations of this start: 1 of 56
• Called 100.0% of time when present
• Phage (with cluster) where this start called: TM4_1 (K2),

Summary by clusters:

There are 6 clusters represented in this pham: K3, K2, K7, K6, K4, K8,

Info for manual annotations of cluster K2:
•Start number 14 was manually annotated 10 times for cluster K2.
•Start number 15 was manually annotated 1 time for cluster K2.

Info for manual annotations of cluster K3:
•Start number 11 was manually annotated 8 times for cluster K3.
•Start number 12 was manually annotated 1 time for cluster K3.

Info for manual annotations of cluster K4:
•Start number 13 was manually annotated 22 times for cluster K4.

Info for manual annotations of cluster K6:
•Start number 6 was manually annotated 2 times for cluster K6.
•Start number 9 was manually annotated 1 time for cluster K6.
•Start number 12 was manually annotated 9 times for cluster K6.

Info for manual annotations of cluster K7:
•Start number 7 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:
•Start number 13 was manually annotated 1 time for cluster K8.

Gene Information:

Gene: Amgine_1 Start: 52, Stop: 195, Start Num: 12
Candidate Starts for Amgine_1:
(Start: 12 @52 has 10 MA's), (20, 88), (21, 91),

Gene: Aminay_1 Start: 67, Stop: 231, Start Num: 7
Candidate Starts for Aminay_1:
(Start: 7 @67 has 1 MA's), (8, 70), (20, 127),

Gene: Amohnition_1 Start: 70, Stop: 210, Start Num: 12
Candidate Starts for Amohnition_1:
(Start: 12 @70 has 10 MA's), (24, 163), (25, 166),

Gene: Applecrisp_2 Start: 376, Stop: 525, Start Num: 9
Candidate Starts for Applecrisp_2:
(1, 235), (4, 304), (5, 343), (Start: 9 @376 has 1 MA's), (20, 418), (21, 421),

Gene: Bobquesha_1 Start: 117, Stop: 254, Start Num: 13
Candidate Starts for Bobquesha_1:
(Start: 13 @117 has 23 MA's), (18, 141), (20, 153),

Gene: Boilgate_1 Start: 62, Stop: 202, Start Num: 13
Candidate Starts for Boilgate_1:
(Start: 13 @62 has 23 MA's), (18, 83), (20, 95), (22, 110),

Gene: BoostSeason_1 Start: 88, Stop: 222, Start Num: 14
Candidate Starts for BoostSeason_1:
(Start: 14 @88 has 10 MA's), (17, 103), (23, 157), (24, 178), (25, 181),

Gene: Chancellor_1 Start: 117, Stop: 254, Start Num: 13
Candidate Starts for Chancellor_1:
(Start: 13 @117 has 23 MA's), (18, 141), (20, 153),

Gene: Cheetobro_1 Start: 117, Stop: 254, Start Num: 13
Candidate Starts for Cheetobro_1:
(Start: 13 @117 has 23 MA's), (18, 141), (20, 153),

Gene: DanSyl44_1 Start: 117, Stop: 254, Start Num: 13
Candidate Starts for DanSyl44_1:
(Start: 13 @117 has 23 MA's), (18, 141), (20, 153),

Gene: DarthP_1 Start: 70, Stop: 210, Start Num: 12
Candidate Starts for DarthP_1:
(Start: 12 @70 has 10 MA's), (24, 163), (25, 166),

Gene: DismalFunk_1 Start: 88, Stop: 222, Start Num: 14
Candidate Starts for DismalFunk_1:
(Start: 14 @88 has 10 MA's), (17, 103), (23, 157), (24, 178), (25, 181),

Gene: DismalStressor_1 Start: 88, Stop: 222, Start Num: 14
Candidate Starts for DismalStressor_1:
(Start: 14 @88 has 10 MA's), (17, 103), (23, 157), (24, 178), (25, 181),

Gene: Doughnut_1 Start: 88, Stop: 222, Start Num: 14
Candidate Starts for Doughnut_1:
(Start: 14 @88 has 10 MA's), (17, 103), (23, 157), (24, 178), (25, 181),

Gene: Ekdilam_1 Start: 69, Stop: 209, Start Num: 12

Candidate Starts for Ekdilam_1:
(Start: 12 @69 has 10 MA's), (24, 162), (25, 165),

Gene: Ellie_1 Start: 52, Stop: 195, Start Num: 12
Candidate Starts for Ellie_1:
(Start: 12 @52 has 10 MA's), (21, 91),

Gene: Eponine_1 Start: 117, Stop: 254, Start Num: 13
Candidate Starts for Eponine_1:
(Start: 13 @117 has 23 MA's), (18, 141), (20, 153),

Gene: Fefferhead_1 Start: 52, Stop: 195, Start Num: 12
Candidate Starts for Fefferhead_1:
(Start: 12 @52 has 10 MA's), (20, 88), (21, 91),

Gene: Findley_1 Start: 88, Stop: 222, Start Num: 14
Candidate Starts for Findley_1:
(Start: 14 @88 has 10 MA's), (17, 103), (23, 157), (24, 178), (25, 181),

Gene: Fionnbharth_1 Start: 117, Stop: 254, Start Num: 13
Candidate Starts for Fionnbharth_1:
(Start: 13 @117 has 23 MA's), (18, 141), (20, 153),

Gene: Hammy_1 Start: 70, Stop: 210, Start Num: 12
Candidate Starts for Hammy_1:
(Start: 12 @70 has 10 MA's), (24, 163), (25, 166),

Gene: Hurricane_1 Start: 51, Stop: 194, Start Num: 11
Candidate Starts for Hurricane_1:
(Start: 11 @51 has 8 MA's), (16, 66), (20, 87),

Gene: JF1_1 Start: 117, Stop: 254, Start Num: 13
Candidate Starts for JF1_1:
(Start: 13 @117 has 23 MA's), (18, 141), (20, 153),

Gene: Juliette_1 Start: 117, Stop: 254, Start Num: 13
Candidate Starts for Juliette_1:
(Start: 13 @117 has 23 MA's), (18, 141), (20, 153),

Gene: Keshu_1 Start: 51, Stop: 194, Start Num: 11
Candidate Starts for Keshu_1:
(Start: 11 @51 has 8 MA's), (16, 66), (20, 87),

Gene: Kraw_1 Start: 117, Stop: 254, Start Num: 13
Candidate Starts for Kraw_1:
(Start: 13 @117 has 23 MA's), (18, 141), (20, 153),

Gene: Lavahound_1 Start: 52, Stop: 195, Start Num: 12
Candidate Starts for Lavahound_1:
(Start: 12 @52 has 10 MA's), (20, 88), (21, 91),

Gene: Lea83_1 Start: 51, Stop: 194, Start Num: 11
Candidate Starts for Lea83_1:

(Start: 11 @51 has 8 MA's), (16, 66), (20, 87),

Gene: Lebo14_1 Start: 117, Stop: 254, Start Num: 13
Candidate Starts for Lebo14_1:
(Start: 13 @117 has 23 MA's), (18, 141), (20, 153),

Gene: MacnCheese_1 Start: 51, Stop: 197, Start Num: 11
Candidate Starts for MacnCheese_1:
(Start: 11 @51 has 8 MA's), (20, 90),

Gene: Malthus_1 Start: 117, Stop: 254, Start Num: 13
Candidate Starts for Malthus_1:
(Start: 13 @117 has 23 MA's), (18, 141), (20, 153),

Gene: Marcoliusprime_1 Start: 88, Stop: 222, Start Num: 14
Candidate Starts for Marcoliusprime_1:
(Start: 14 @88 has 10 MA's), (17, 103), (23, 157), (24, 178), (25, 181),

Gene: Milly_1 Start: 88, Stop: 222, Start Num: 14
Candidate Starts for Milly_1:
(Start: 14 @88 has 10 MA's), (17, 103), (23, 157), (24, 178), (25, 181),

Gene: MissDaisy_1 Start: 117, Stop: 254, Start Num: 13
Candidate Starts for MissDaisy_1:
(Start: 13 @117 has 23 MA's), (18, 141), (20, 153),

Gene: Mitti_1 Start: 117, Stop: 254, Start Num: 13
Candidate Starts for Mitti_1:
(Start: 13 @117 has 23 MA's), (18, 141), (20, 153),

Gene: Mufasa_1 Start: 88, Stop: 222, Start Num: 14
Candidate Starts for Mufasa_1:
(Start: 14 @88 has 10 MA's), (17, 103), (23, 157), (24, 178), (25, 181),

Gene: November_1 Start: 69, Stop: 209, Start Num: 12
Candidate Starts for November_1:
(Start: 12 @69 has 10 MA's), (24, 162), (25, 165),

Gene: OmniCritical_1 Start: 117, Stop: 254, Start Num: 13
Candidate Starts for OmniCritical_1:
(Start: 13 @117 has 23 MA's), (18, 141), (20, 153),

Gene: Patt_1 Start: 117, Stop: 254, Start Num: 13
Candidate Starts for Patt_1:
(Start: 13 @117 has 23 MA's), (18, 141), (20, 153),

Gene: Pharb_1 Start: 51, Stop: 191, Start Num: 12
Candidate Starts for Pharb_1:
(Start: 12 @51 has 10 MA's), (20, 87),

Gene: Pixie_1 Start: 51, Stop: 194, Start Num: 11
Candidate Starts for Pixie_1:
(Start: 11 @51 has 8 MA's), (16, 66), (20, 87),

Gene: Qhanda_1 Start: 117, Stop: 254, Start Num: 13
Candidate Starts for Qhanda_1:
(Start: 13 @117 has 23 MA's), (18, 141), (20, 153),

Gene: Reptar3000_1 Start: 116, Stop: 253, Start Num: 13
Candidate Starts for Reptar3000_1:
(Start: 13 @116 has 23 MA's), (18, 140), (20, 152),

Gene: Ruthiejr_1 Start: 117, Stop: 254, Start Num: 13
Candidate Starts for Ruthiejr_1:
(Start: 13 @117 has 23 MA's), (18, 141), (20, 153),

Gene: SamScheppers_1 Start: 116, Stop: 253, Start Num: 13
Candidate Starts for SamScheppers_1:
(Start: 13 @116 has 23 MA's), (18, 140), (20, 152),

Gene: ShedlockHolmes_1 Start: 51, Stop: 194, Start Num: 11
Candidate Starts for ShedlockHolmes_1:
(Start: 11 @51 has 8 MA's), (16, 66), (20, 87),

Gene: Slarp_1 Start: 117, Stop: 254, Start Num: 13
Candidate Starts for Slarp_1:
(Start: 13 @117 has 23 MA's), (18, 141), (20, 153),

Gene: Strobilo_1 Start: 88, Stop: 222, Start Num: 14
Candidate Starts for Strobilo_1:
(Start: 14 @88 has 10 MA's), (17, 103), (23, 157), (24, 178), (25, 181),

Gene: TBond007_1 Start: 51, Stop: 194, Start Num: 11
Candidate Starts for TBond007_1:
(Start: 11 @51 has 8 MA's), (16, 66), (20, 87),

Gene: TClif_1 Start: 73, Stop: 243, Start Num: 6
Candidate Starts for TClif_1:
(2, 1), (3, 7), (Start: 6 @73 has 2 MA's), (19, 133), (22, 145),

Gene: TM4_1 Start: 100, Stop: 234, Start Num: 15
Candidate Starts for TM4_1:
(Start: 15 @100 has 1 MA's), (17, 115), (24, 190),

Gene: Taquito_1 Start: 117, Stop: 254, Start Num: 13
Candidate Starts for Taquito_1:
(Start: 13 @117 has 23 MA's), (18, 141), (20, 153),

Gene: TribleTrouble_1 Start: 51, Stop: 197, Start Num: 11
Candidate Starts for TribleTrouble_1:
(Start: 11 @51 has 8 MA's), (20, 90),

Gene: Wintermute_1 Start: 116, Stop: 253, Start Num: 13
Candidate Starts for Wintermute_1:
(Start: 13 @116 has 23 MA's), (18, 140), (20, 152),

Gene: Y10_01 Start: 117, Stop: 254, Start Num: 13
Candidate Starts for Y10_01:
(Start: 13 @117 has 23 MA's), (18, 141), (20, 153),

Gene: Y2_01 Start: 117, Stop: 254, Start Num: 13
Candidate Starts for Y2_01:
(Start: 13 @117 has 23 MA's), (18, 141), (20, 153),

Gene: YasnayaPolyana_1 Start: 117, Stop: 254, Start Num: 13
Candidate Starts for YasnayaPolyana_1:
(Start: 13 @117 has 23 MA's), (18, 141), (20, 153),

Gene: Yuna_1 Start: 74, Stop: 316, Start Num: 6
Candidate Starts for Yuna_1:
(Start: 6 @74 has 2 MA's), (10, 101), (22, 164), (26, 230), (27, 263),

Gene: ZoeJ_1 Start: 88, Stop: 222, Start Num: 14
Candidate Starts for ZoeJ_1:
(Start: 14 @88 has 10 MA's), (17, 103), (23, 157), (24, 178), (25, 181),