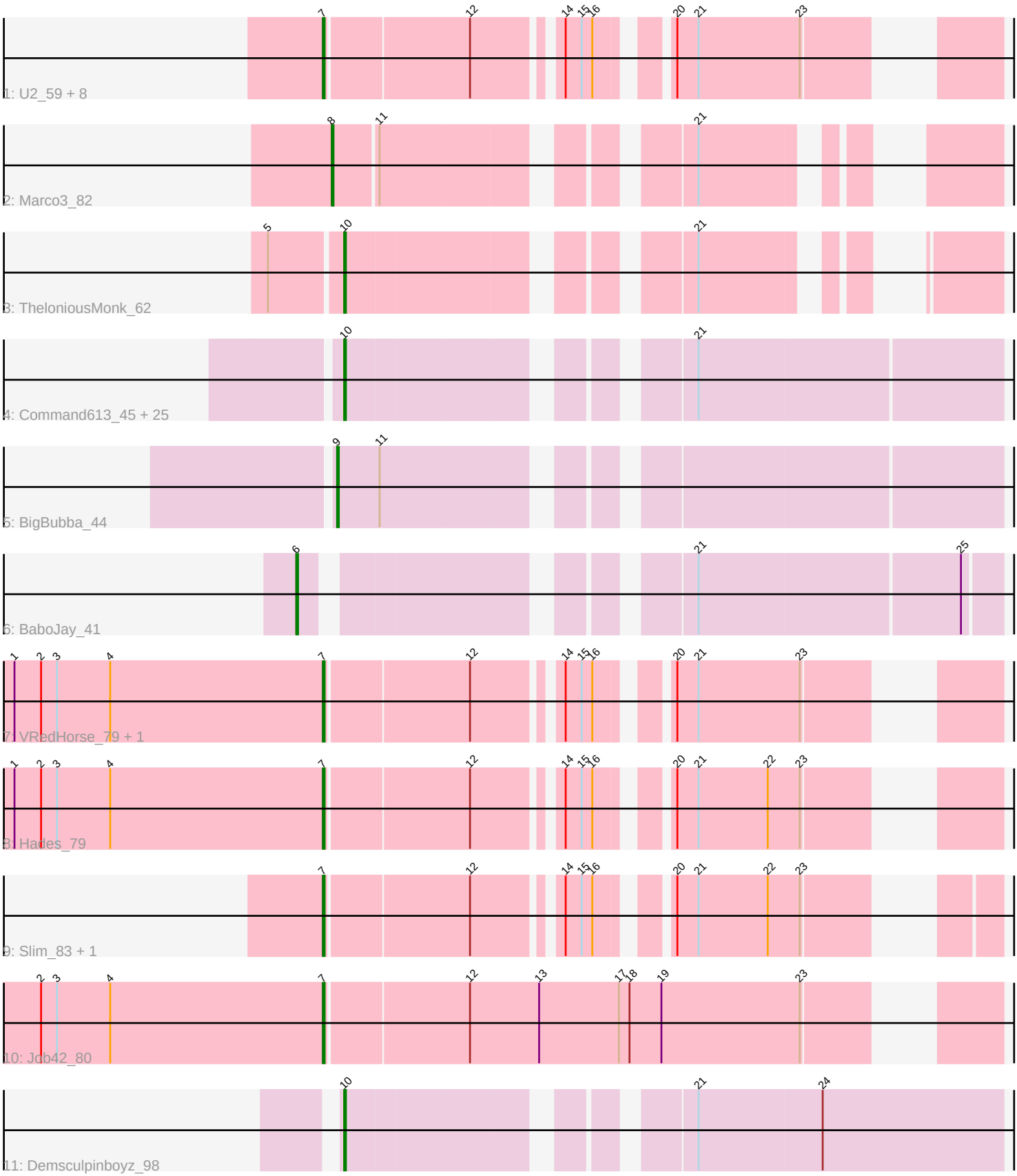
Pham 347754


7 12 14 15 16 20 21 23
1: U2_59 + 8
8 11 21
2: Marco3_82
5 10 21
3: TheloniousMonk_62
10 21
4: Command613_45 + 25
9 11
5: BigBubba_44
6 21 25
6: BaboJay_41
1 2 3 4 7 12 14 15 16 20 21 23
7: VRedHorse_79 + 1
1 2 3 4 7 12 14 15 16 20 21 22 23
8: Hades_79
7 12 14 15 16 20 21 22 23
9: Slim_83 + 1
2 3 4 7 12 13 17 18 19 23
10: Jdb42_80
10 21 24
11: Demsculpinboyz_98

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 347754 Report

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

Pham number 347754 has 46 members, 0 are drafts.

Phages represented in each track:
• Track 1 : U2_59, PinkPlastic_61, HermioneGrange_63, Madiba_83, Ichabod_65, BigMau_63, Juniormint_56, Pacc40_72, MPlant7149_61
• Track 2 : Marco3_82
• Track 3 : TheloniousMonk_62
• Track 4 : Command613_45, Goldilocks_45, StolenFromERC_46, Rakim_45, AmericanBeauty_47, Sotrice96_44, Moldemort_46, Gage_46, Icee_43, Thimble_45, Highbury_44, Kimchi_46, Stank_47, Cactus_45, Asriel_43, Adnama_47, Barbarian_43, Saints25_44, Gemini_47, Argent26_46, Hoonter_46, Wiggin_45, Bask21_44, GooberAzure_46, TBrady12_46, GoldenSpark_46
• Track 5 : BigBubba_44
• Track 6 : BaboJay_41
• Track 7 : VRedHorse_79, Cornucopia_80
• Track 8 : Hades_79
• Track 9 : Slim_83, Emmaloid_83
• Track 10 : Job42_80
• Track 11 : Demsculpinboyz_98

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

The start number called the most often in the published annotations is 10, it was called in 28 of the 46 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adnama_47, AmericanBeauty_47, Argent26_46, Asriel_43, Barbarian_43, Bask21_44, Cactus_45, Command613_45, Demsculpinboyz_98, Gage_46, Gemini_47, GoldenSpark_46, Goldilocks_45, GooberAzure_46, Highbury_44, Hoonter_46, Icee_43, Kimchi_46, Moldemort_46, Rakim_45, Saints25_44, Sotrice96_44, Stank_47, StolenFromERC_46, TBrady12_46, TheloniousMonk_62, Thimble_45, Wiggin_45,

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

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

• BaboJay_41, BigBubba_44, BigMau_63, Cornucopia_80, Emmaloid_83, Hades_79, HermioneGrange_63, Ichabod_65, Job42_80, Juniormint_56, MPlant7149_61, Madiba_83, Marco3_82, Pacc40_72, PinkPlastic_61, Slim_83, U2_59, VRedHorse_79,

Summary by start number:

Start 6:
• Found in 1 of 46 (2.2%) of genes in pham
• Manual Annotations of this start: 1 of 46
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BaboJay_41 (E),

Start 7:
• Found in 15 of 46 (32.6%) of genes in pham
• Manual Annotations of this start: 15 of 46
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BigMau_63 (A1), Cornucopia_80 (F1), Emmaloid_83 (F1), Hades_79 (F1), HermioneGrange_63 (A1), Ichabod_65 (A1), Job42_80 (F1), Juniormint_56 (P1), MPlant7149_61 (A1), Madiba_83 (F1), Pacc40_72 (F1), PinkPlastic_61 (A1), Slim_83 (F1), U2_59 (A1), VRedHorse_79 (F1),

Start 8:
• Found in 1 of 46 (2.2%) of genes in pham
• Manual Annotations of this start: 1 of 46
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Marco3_82 (A1),

Start 9:
• Found in 1 of 46 (2.2%) of genes in pham
• Manual Annotations of this start: 1 of 46
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BigBubba_44 (E),

Start 10:
• Found in 28 of 46 (60.9%) of genes in pham
• Manual Annotations of this start: 28 of 46
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adnama_47 (E), AmericanBeauty_47 (E), Argent26_46 (E), Asriel_43 (E), Barbarian_43 (E), Bask21_44 (E), Cactus_45 (E), Command613_45 (E), Demsculpinboyz_98 (F2), Gage_46 (E), Gemini_47 (E), GoldenSpark_46 (E), Goldilocks_45 (E), GooberAzure_46 (E), Highbury_44 (E), Hoonter_46 (E), Icee_43 (E), Kimchi_46 (E), Moldemort_46 (E), Rakim_45 (E), Saints25_44 (E), Sotrice96_44 (E), Stank_47 (E), StolenFromERC_46 (E), TBrady12_46 (E), TheloniousMonk_62 (A1), Thimble_45 (E), Wiggin_45 (E),

Summary by clusters:

There are 5 clusters represented in this pham: A1, F1, F2, P1, E,

Info for manual annotations of cluster A1:
•Start number 7 was manually annotated 6 times for cluster A1.

•Start number 8 was manually annotated 1 time for cluster A1.
•Start number 10 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster E:
•Start number 6 was manually annotated 1 time for cluster E.
•Start number 9 was manually annotated 1 time for cluster E.
•Start number 10 was manually annotated 26 times for cluster E.

Info for manual annotations of cluster F1:
•Start number 7 was manually annotated 8 times for cluster F1.

Info for manual annotations of cluster F2:
•Start number 10 was manually annotated 1 time for cluster F2.

Info for manual annotations of cluster P1:
•Start number 7 was manually annotated 1 time for cluster P1.

Gene Information:

Gene: Adnama_47 Start: 36141, Stop: 35812, Start Num: 10
Candidate Starts for Adnama_47:
(Start: 10 @36141 has 28 MA's), (21, 35979),

Gene: AmericanBeauty_47 Start: 35986, Stop: 35657, Start Num: 10
Candidate Starts for AmericanBeauty_47:
(Start: 10 @35986 has 28 MA's), (21, 35824),

Gene: Argent26_46 Start: 35624, Stop: 35295, Start Num: 10
Candidate Starts for Argent26_46:
(Start: 10 @35624 has 28 MA's), (21, 35462),

Gene: Asriel_43 Start: 34478, Stop: 34149, Start Num: 10
Candidate Starts for Asriel_43:
(Start: 10 @34478 has 28 MA's), (21, 34316),

Gene: BaboJay_41 Start: 35075, Stop: 34737, Start Num: 6
Candidate Starts for BaboJay_41:
(Start: 6 @35075 has 1 MA's), (21, 34901), (25, 34757),

Gene: Barbarian_43 Start: 34478, Stop: 34149, Start Num: 10
Candidate Starts for Barbarian_43:
(Start: 10 @34478 has 28 MA's), (21, 34316),

Gene: Bask21_44 Start: 34812, Stop: 34483, Start Num: 10
Candidate Starts for Bask21_44:
(Start: 10 @34812 has 28 MA's), (21, 34650),

Gene: BigBubba_44 Start: 35433, Stop: 35098, Start Num: 9
Candidate Starts for BigBubba_44:
(Start: 9 @35433 has 1 MA's), (11, 35409),

Gene: BigMau_63 Start: 41412, Stop: 41104, Start Num: 7
Candidate Starts for BigMau_63:
(Start: 7 @41412 has 15 MA's), (12, 41334), (14, 41292), (15, 41283), (16, 41277), (20, 41247), (21, 41235), (23, 41178),

Gene: Cactus_45 Start: 34845, Stop: 34516, Start Num: 10
Candidate Starts for Cactus_45:
(Start: 10 @34845 has 28 MA's), (21, 34683),

Gene: Command613_45 Start: 35884, Stop: 35555, Start Num: 10
Candidate Starts for Command613_45:
(Start: 10 @35884 has 28 MA's), (21, 35722),

Gene: Cornucopia_80 Start: 47245, Stop: 47553, Start Num: 7
Candidate Starts for Cornucopia_80:
(1, 47071), (2, 47086), (3, 47095), (4, 47125), (Start: 7 @47245 has 15 MA's), (12, 47323), (14, 47365), (15, 47374), (16, 47380), (20, 47410), (21, 47422), (23, 47479),

Gene: Demsculpinboyz_98 Start: 49573, Stop: 49905, Start Num: 10
Candidate Starts for Demsculpinboyz_98:
(Start: 10 @49573 has 28 MA's), (21, 49735), (24, 49804),

Gene: Emmaloid_83 Start: 48537, Stop: 48842, Start Num: 7
Candidate Starts for Emmaloid_83:
(Start: 7 @48537 has 15 MA's), (12, 48615), (14, 48657), (15, 48666), (16, 48672), (20, 48702), (21, 48714), (22, 48753), (23, 48771),

Gene: Gage_46 Start: 35624, Stop: 35295, Start Num: 10
Candidate Starts for Gage_46:
(Start: 10 @35624 has 28 MA's), (21, 35462),

Gene: Gemini_47 Start: 36141, Stop: 35812, Start Num: 10
Candidate Starts for Gemini_47:
(Start: 10 @36141 has 28 MA's), (21, 35979),

Gene: GoldenSpark_46 Start: 35624, Stop: 35295, Start Num: 10
Candidate Starts for GoldenSpark_46:
(Start: 10 @35624 has 28 MA's), (21, 35462),

Gene: Goldilocks_45 Start: 35126, Stop: 34797, Start Num: 10
Candidate Starts for Goldilocks_45:
(Start: 10 @35126 has 28 MA's), (21, 34964),

Gene: GooberAzure_46 Start: 35624, Stop: 35295, Start Num: 10
Candidate Starts for GooberAzure_46:
(Start: 10 @35624 has 28 MA's), (21, 35462),

Gene: Hades_79 Start: 46591, Stop: 46899, Start Num: 7
Candidate Starts for Hades_79:
(1, 46417), (2, 46432), (3, 46441), (4, 46471), (Start: 7 @46591 has 15 MA's), (12, 46669), (14, 46711), (15, 46720), (16, 46726), (20, 46756), (21, 46768), (22, 46807), (23, 46825),

Gene: HermioneGrange_63 Start: 41906, Stop: 41598, Start Num: 7

Candidate Starts for HermioneGrange_63:
(Start: 7 @41906 has 15 MA's), (12, 41828), (14, 41786), (15, 41777), (16, 41771), (20, 41741), (21, 41729), (23, 41672),

Gene: Highbury_44 Start: 35223, Stop: 34894, Start Num: 10
Candidate Starts for Highbury_44:
(Start: 10 @35223 has 28 MA's), (21, 35061),

Gene: Hoonter_46 Start: 35624, Stop: 35295, Start Num: 10
Candidate Starts for Hoonter_46:
(Start: 10 @35624 has 28 MA's), (21, 35462),

Gene: Icee_43 Start: 35292, Stop: 34963, Start Num: 10
Candidate Starts for Icee_43:
(Start: 10 @35292 has 28 MA's), (21, 35130),

Gene: Ichabod_65 Start: 42033, Stop: 41725, Start Num: 7
Candidate Starts for Ichabod_65:
(Start: 7 @42033 has 15 MA's), (12, 41955), (14, 41913), (15, 41904), (16, 41898), (20, 41868), (21, 41856), (23, 41799),

Gene: Job42_80 Start: 51187, Stop: 51525, Start Num: 7
Candidate Starts for Job42_80:
(2, 51028), (3, 51037), (4, 51067), (Start: 7 @51187 has 15 MA's), (12, 51265), (13, 51304), (17, 51349), (18, 51355), (19, 51373), (23, 51451),

Gene: Juniormint_56 Start: 37481, Stop: 37798, Start Num: 7
Candidate Starts for Juniormint_56:
(Start: 7 @37481 has 15 MA's), (12, 37559), (14, 37601), (15, 37610), (16, 37616), (20, 37646), (21, 37658), (23, 37715),

Gene: Kimchi_46 Start: 35627, Stop: 35298, Start Num: 10
Candidate Starts for Kimchi_46:
(Start: 10 @35627 has 28 MA's), (21, 35465),

Gene: MPlant7149_61 Start: 39794, Stop: 39486, Start Num: 7
Candidate Starts for MPlant7149_61:
(Start: 7 @39794 has 15 MA's), (12, 39716), (14, 39674), (15, 39665), (16, 39659), (20, 39629), (21, 39617), (23, 39560),

Gene: Madiba_83 Start: 49691, Stop: 49999, Start Num: 7
Candidate Starts for Madiba_83:
(Start: 7 @49691 has 15 MA's), (12, 49769), (14, 49811), (15, 49820), (16, 49826), (20, 49856), (21, 49868), (23, 49925),

Gene: Marco3_82 Start: 49254, Stop: 48967, Start Num: 8
Candidate Starts for Marco3_82:
(Start: 8 @49254 has 1 MA's), (11, 49230), (21, 49086),

Gene: Moldemort_46 Start: 35741, Stop: 35412, Start Num: 10
Candidate Starts for Moldemort_46:
(Start: 10 @35741 has 28 MA's), (21, 35579),

Gene: Pacc40_72 Start: 48264, Stop: 48572, Start Num: 7
Candidate Starts for Pacc40_72:
(Start: 7 @48264 has 15 MA's), (12, 48342), (14, 48384), (15, 48393), (16, 48399), (20, 48429), (21, 48441), (23, 48498),

Gene: PinkPlastic_61 Start: 40826, Stop: 40518, Start Num: 7
Candidate Starts for PinkPlastic_61:
(Start: 7 @40826 has 15 MA's), (12, 40748), (14, 40706), (15, 40697), (16, 40691), (20, 40661), (21, 40649), (23, 40592),

Gene: Rakim_45 Start: 35740, Stop: 35411, Start Num: 10
Candidate Starts for Rakim_45:
(Start: 10 @35740 has 28 MA's), (21, 35578),

Gene: Saints25_44 Start: 35223, Stop: 34894, Start Num: 10
Candidate Starts for Saints25_44:
(Start: 10 @35223 has 28 MA's), (21, 35061),

Gene: Slim_83 Start: 48528, Stop: 48833, Start Num: 7
Candidate Starts for Slim_83:
(Start: 7 @48528 has 15 MA's), (12, 48606), (14, 48648), (15, 48657), (16, 48663), (20, 48693), (21, 48705), (22, 48744), (23, 48762),

Gene: Sotrice96_44 Start: 35588, Stop: 35259, Start Num: 10
Candidate Starts for Sotrice96_44:
(Start: 10 @35588 has 28 MA's), (21, 35426),

Gene: Stank_47 Start: 36140, Stop: 35811, Start Num: 10
Candidate Starts for Stank_47:
(Start: 10 @36140 has 28 MA's), (21, 35978),

Gene: StolenFromERC_46 Start: 35624, Stop: 35295, Start Num: 10
Candidate Starts for StolenFromERC_46:
(Start: 10 @35624 has 28 MA's), (21, 35462),

Gene: TBrady12_46 Start: 35624, Stop: 35295, Start Num: 10
Candidate Starts for TBrady12_46:
(Start: 10 @35624 has 28 MA's), (21, 35462),

Gene: TheloniousMonk_62 Start: 42583, Stop: 42305, Start Num: 10
Candidate Starts for TheloniousMonk_62:
(5, 42622), (Start: 10 @42583 has 28 MA's), (21, 42421),

Gene: Thimble_45 Start: 34806, Stop: 34477, Start Num: 10
Candidate Starts for Thimble_45:
(Start: 10 @34806 has 28 MA's), (21, 34644),

Gene: U2_59 Start: 41499, Stop: 41191, Start Num: 7
Candidate Starts for U2_59:
(Start: 7 @41499 has 15 MA's), (12, 41421), (14, 41379), (15, 41370), (16, 41364), (20, 41334), (21, 41322), (23, 41265),

Gene: VRedHorse_79 Start: 46063, Stop: 46371, Start Num: 7

Candidate Starts for VRedHorse_79:
(1, 45889), (2, 45904), (3, 45913), (4, 45943), (Start: 7 @46063 has 15 MA's), (12, 46141), (14, 46183), (15, 46192), (16, 46198), (20, 46228), (21, 46240), (23, 46297),

Gene: Wiggin_45 Start: 35708, Stop: 35379, Start Num: 10
Candidate Starts for Wiggin_45:
(Start: 10 @35708 has 28 MA's), (21, 35546),