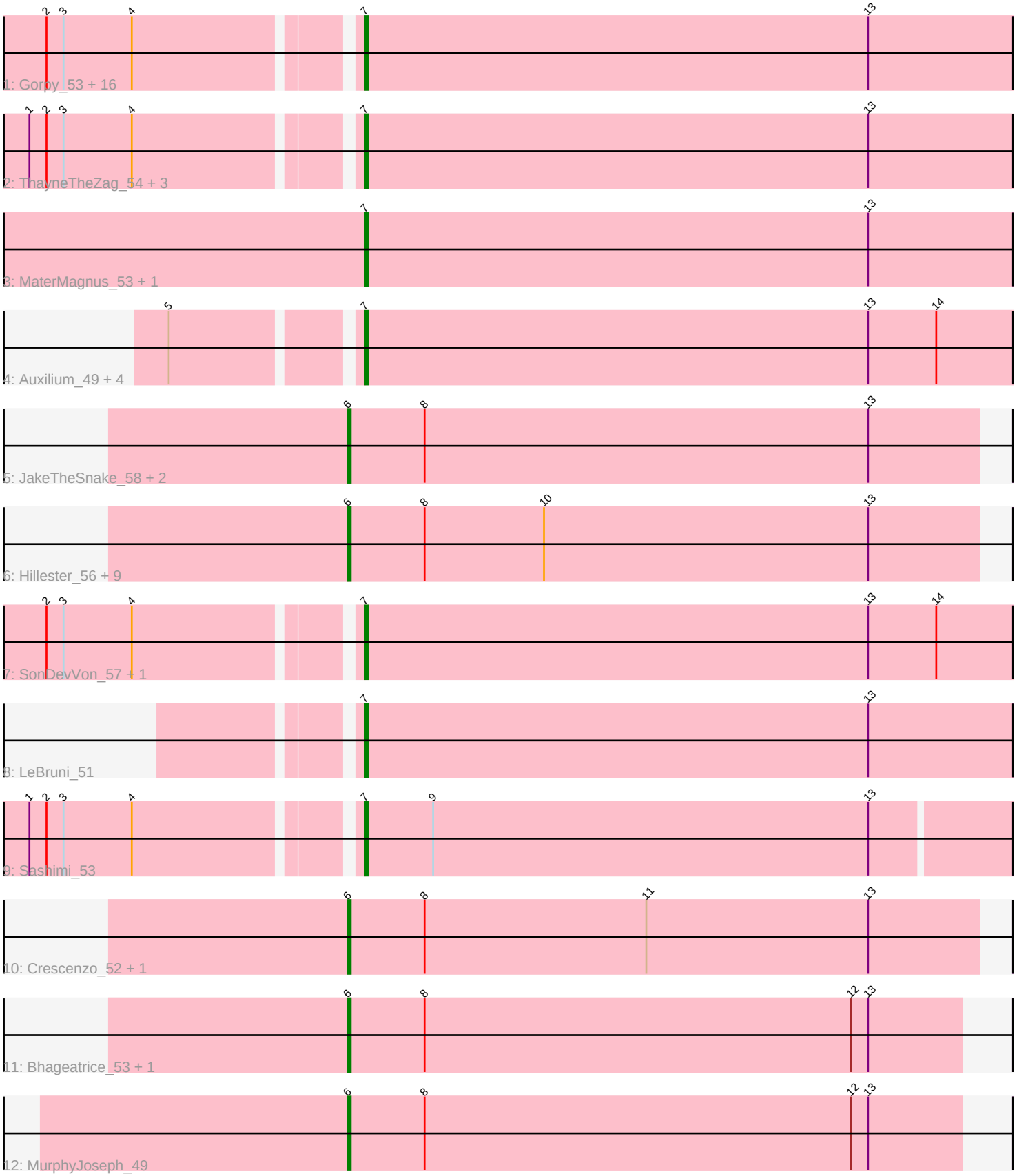
Pham 347718


2
3
4
7
13
1: Gorpy_53 + 16
1
2
3
4
7
13
2: ThayneTheZag_54 + 3
7
13
3: MaterMagnus_53 + 1
5
7
13
14
4: Auxilium_49 + 4
6
8
13
5: JakeTheSnake_58 + 2
6
8
10
13
6: Hillester_56 + 9
2
3
4
7
13
14
7: SonDevVon_57 + 1
7
13
8: LeBruni_51
1
2
3
4
7
9
13
9: Sashimi_53
6
8
11
13
10: Crescenzo_52 + 1
6
8
12
13
11: Bhageatrice_53 + 1
6
8
12
13
12: MurphyJoseph_49

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 347718 Report

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

Pham number 347718 has 50 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Gorpy_53, Tiff81_49, Windest_54, Raphaella_52, Kabloowy_53, Lasker_52, MUWow_52, Sakai_52, Richie_55, CookieBear_53, AdaS_49, JellyBread_50, NewKitty_55, Isolde_52, EvePickles_49, Mapleville_49, YoungHarleezy_53
• Track 2 : ThayneTheZag_54, Cassini_47, SpicyFrank_56, Globfish_53
• Track 3 : MaterMagnus_53, Aikyam_51
• Track 4 : Auxilium_49, Satrap_54, AbbyDaisy_52, Seahorse_56, DarwinJr_55
• Track 5 : JakeTheSnake_58, Persistence_48, Phrank15_53
• Track 6 : Hillester_56, BenchScraper_51, BillyTP_54, Faja_53, Vopal_55, Raqqa_44, BlueShadow_52, MidnightRain_56, BasketStar_54, RadFad_56
• Track 7 : SonDevVon_57, Lawnathon_54
• Track 8 : LeBruni_51
• Track 9 : Sashimi_53
• Track 10 : Crescenzo_52, Anekin_49
• Track 11 : Bhageatrice_53, Sporco_54
• Track 12 : MurphyJoseph_49

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

The start number called the most often in the published annotations is 7, it was called in 29 of the 43 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AbbyDaisy_52, AdaS_49, Aikyam_51, Auxilium_49, Cassini_47, CookieBear_53, DarwinJr_55, EvePickles_49, Globfish_53, Gorpy_53, Isolde_52, JellyBread_50, Kabloowy_53, Lasker_52, Lawnathon_54, LeBruni_51, MUWow_52, Mapleville_49, MaterMagnus_53, NewKitty_55, Raphaella_52, Richie_55, Sakai_52, Sashimi_53, Satrap_54, Seahorse_56, SonDevVon_57, SpicyFrank_56, ThayneTheZag_54, Tiff81_49, Windest_54, YoungHarleezy_53,

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

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

• Anekin_49, BasketStar_54, BenchScraper_51, Bhageatrice_53, BillyTP_54, BlueShadow_52, Crescenzo_52, Faja_53, Hillester_56, JakeTheSnake_58, MidnightRain_56, MurphyJoseph_49, Persistence_48, Phrank15_53, RadFad_56, Raqqa_44, Sporco_54, Vopal_55,

Summary by start number:

Start 6:
• Found in 18 of 50 (36.0%) of genes in pham
• Manual Annotations of this start: 14 of 43
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anekin_49 (AY), BasketStar_54 (AY), BenchScraper_51 (AY), Bhageatrice_53 (AY), BillyTP_54 (AY), BlueShadow_52 (AY), Crescenzo_52 (AY), Faja_53 (AY), Hillester_56 (AY), JakeTheSnake_58 (AY), MidnightRain_56 (AY), MurphyJoseph_49 (AY), Persistence_48 (AY), Phrank15_53 (AY), RadFad_56 (AY), Raqqa_44 (AY), Sporco_54 (AY), Vopal_55 (AY),

Start 7:
• Found in 32 of 50 (64.0%) of genes in pham
• Manual Annotations of this start: 29 of 43
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AbbyDaisy_52 (AY), AdaS_49 (AY), Aikyam_51 (AY), Auxilium_49 (AY), Cassini_47 (FN), CookieBear_53 (AY), DarwinJr_55 (AY), EvePickles_49 (AY), Globfish_53 (AY), Gorpy_53 (AY), Isolde_52 (AY), JellyBread_50 (AY), Kabloowy_53 (AY), Lasker_52 (AY), Lawnathon_54 (AY), LeBruni_51 (AY), MUWow_52 (AY), Mapleville_49 (AY), MaterMagnus_53 (AY), NewKitty_55 (AY), Raphaella_52 (AY), Richie_55 (AY), Sakai_52 (AY), Sashimi_53 (AY), Satrap_54 (AY), Seahorse_56 (AY), SonDevVon_57 (AY), SpicyFrank_56 (AY), ThayneTheZag_54 (AY), Tiff81_49 (AY), Windest_54 (AY), YoungHarleezy_53 (AY),

Summary by clusters:

There are 2 clusters represented in this pham: AY, FN,

Info for manual annotations of cluster AY:
•Start number 6 was manually annotated 14 times for cluster AY.
•Start number 7 was manually annotated 28 times for cluster AY.

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

Gene Information:

Gene: AbbyDaisy_52 Start: 32609, Stop: 32836, Start Num: 7
Candidate Starts for AbbyDaisy_52:
(5, 32549), (Start: 7 @32609 has 29 MA's), (13, 32786), (14, 32810),

Gene: AdaS_49 Start: 30552, Stop: 30779, Start Num: 7
Candidate Starts for AdaS_49:
(2, 30450), (3, 30456), (4, 30480), (Start: 7 @30552 has 29 MA's), (13, 30729),

Gene: Aikyam_51 Start: 30322, Stop: 30549, Start Num: 7
Candidate Starts for Aikyam_51:
(Start: 7 @30322 has 29 MA's), (13, 30499),

Gene: Anekin_49 Start: 31709, Stop: 31930, Start Num: 6
Candidate Starts for Anekin_49:
(Start: 6 @31709 has 14 MA's), (8, 31736), (11, 31814), (13, 31892),

Gene: Auxilium_49 Start: 29880, Stop: 30107, Start Num: 7
Candidate Starts for Auxilium_49:
(5, 29820), (Start: 7 @29880 has 29 MA's), (13, 30057), (14, 30081),

Gene: BasketStar_54 Start: 32770, Stop: 32991, Start Num: 6
Candidate Starts for BasketStar_54:
(Start: 6 @32770 has 14 MA's), (8, 32797), (10, 32839), (13, 32953),

Gene: BenchScraper_51 Start: 31595, Stop: 31816, Start Num: 6
Candidate Starts for BenchScraper_51:
(Start: 6 @31595 has 14 MA's), (8, 31622), (10, 31664), (13, 31778),

Gene: Bhageatrice_53 Start: 33668, Stop: 33883, Start Num: 6
Candidate Starts for Bhageatrice_53:
(Start: 6 @33668 has 14 MA's), (8, 33695), (12, 33845), (13, 33851),

Gene: BillyTP_54 Start: 33466, Stop: 33687, Start Num: 6
Candidate Starts for BillyTP_54:
(Start: 6 @33466 has 14 MA's), (8, 33493), (10, 33535), (13, 33649),

Gene: BlueShadow_52 Start: 32256, Stop: 32477, Start Num: 6
Candidate Starts for BlueShadow_52:
(Start: 6 @32256 has 14 MA's), (8, 32283), (10, 32325), (13, 32439),

Gene: Cassini_47 Start: 30981, Stop: 31208, Start Num: 7
Candidate Starts for Cassini_47:
(1, 30873), (2, 30879), (3, 30885), (4, 30909), (Start: 7 @30981 has 29 MA's), (13, 31158),

Gene: CookieBear_53 Start: 32302, Stop: 32529, Start Num: 7
Candidate Starts for CookieBear_53:
(2, 32200), (3, 32206), (4, 32230), (Start: 7 @32302 has 29 MA's), (13, 32479),

Gene: Crescenzo_52 Start: 32760, Stop: 32981, Start Num: 6
Candidate Starts for Crescenzo_52:
(Start: 6 @32760 has 14 MA's), (8, 32787), (11, 32865), (13, 32943),

Gene: DarwinJr_55 Start: 33282, Stop: 33509, Start Num: 7
Candidate Starts for DarwinJr_55:
(5, 33222), (Start: 7 @33282 has 29 MA's), (13, 33459), (14, 33483),

Gene: EvePickles_49 Start: 32502, Stop: 32729, Start Num: 7
Candidate Starts for EvePickles_49:
(2, 32400), (3, 32406), (4, 32430), (Start: 7 @32502 has 29 MA's), (13, 32679),

Gene: Faja_53 Start: 33434, Stop: 33655, Start Num: 6

Candidate Starts for Faja_53:
(Start: 6 @33434 has 14 MA's), (8, 33461), (10, 33503), (13, 33617),

Gene: Globfish_53 Start: 32401, Stop: 32628, Start Num: 7
Candidate Starts for Globfish_53:
(1, 32293), (2, 32299), (3, 32305), (4, 32329), (Start: 7 @32401 has 29 MA's), (13, 32578),

Gene: Gorpy_53 Start: 33294, Stop: 33521, Start Num: 7
Candidate Starts for Gorpy_53:
(2, 33192), (3, 33198), (4, 33222), (Start: 7 @33294 has 29 MA's), (13, 33471),

Gene: Hillester_56 Start: 33192, Stop: 33413, Start Num: 6
Candidate Starts for Hillester_56:
(Start: 6 @33192 has 14 MA's), (8, 33219), (10, 33261), (13, 33375),

Gene: Isolde_52 Start: 31971, Stop: 32198, Start Num: 7
Candidate Starts for Isolde_52:
(2, 31869), (3, 31875), (4, 31899), (Start: 7 @31971 has 29 MA's), (13, 32148),

Gene: JakeTheSnake_58 Start: 34293, Stop: 34514, Start Num: 6
Candidate Starts for JakeTheSnake_58:
(Start: 6 @34293 has 14 MA's), (8, 34320), (13, 34476),

Gene: JellyBread_50 Start: 31092, Stop: 31319, Start Num: 7
Candidate Starts for JellyBread_50:
(2, 30990), (3, 30996), (4, 31020), (Start: 7 @31092 has 29 MA's), (13, 31269),

Gene: Kabloowy_53 Start: 32986, Stop: 33213, Start Num: 7
Candidate Starts for Kabloowy_53:
(2, 32884), (3, 32890), (4, 32914), (Start: 7 @32986 has 29 MA's), (13, 33163),

Gene: Lasker_52 Start: 32746, Stop: 32973, Start Num: 7
Candidate Starts for Lasker_52:
(2, 32644), (3, 32650), (4, 32674), (Start: 7 @32746 has 29 MA's), (13, 32923),

Gene: Lawnathon_54 Start: 32459, Stop: 32686, Start Num: 7
Candidate Starts for Lawnathon_54:
(2, 32357), (3, 32363), (4, 32387), (Start: 7 @32459 has 29 MA's), (13, 32636), (14, 32660),

Gene: LeBruni_51 Start: 31268, Stop: 31495, Start Num: 7
Candidate Starts for LeBruni_51:
(Start: 7 @31268 has 29 MA's), (13, 31445),

Gene: MUWow_52 Start: 32236, Stop: 32463, Start Num: 7
Candidate Starts for MUWow_52:
(2, 32134), (3, 32140), (4, 32164), (Start: 7 @32236 has 29 MA's), (13, 32413),

Gene: Mapleville_49 Start: 31795, Stop: 32022, Start Num: 7
Candidate Starts for Mapleville_49:
(2, 31693), (3, 31699), (4, 31723), (Start: 7 @31795 has 29 MA's), (13, 31972),

Gene: MaterMagnus_53 Start: 32494, Stop: 32721, Start Num: 7
Candidate Starts for MaterMagnus_53:

(Start: 7 @32494 has 29 MA's), (13, 32671),

Gene: MidnightRain_56 Start: 33373, Stop: 33594, Start Num: 6
Candidate Starts for MidnightRain_56:
(Start: 6 @33373 has 14 MA's), (8, 33400), (10, 33442), (13, 33556),

Gene: MurphyJoseph_49 Start: 30808, Stop: 31023, Start Num: 6
Candidate Starts for MurphyJoseph_49:
(Start: 6 @30808 has 14 MA's), (8, 30835), (12, 30985), (13, 30991),

Gene: NewKitty_55 Start: 32164, Stop: 32391, Start Num: 7
Candidate Starts for NewKitty_55:
(2, 32062), (3, 32068), (4, 32092), (Start: 7 @32164 has 29 MA's), (13, 32341),

Gene: Persistence_48 Start: 30988, Stop: 31209, Start Num: 6
Candidate Starts for Persistence_48:
(Start: 6 @30988 has 14 MA's), (8, 31015), (13, 31171),

Gene: Phrank15_53 Start: 32217, Stop: 32432, Start Num: 6
Candidate Starts for Phrank15_53:
(Start: 6 @32217 has 14 MA's), (8, 32244), (13, 32400),

Gene: RadFad_56 Start: 33192, Stop: 33413, Start Num: 6
Candidate Starts for RadFad_56:
(Start: 6 @33192 has 14 MA's), (8, 33219), (10, 33261), (13, 33375),

Gene: Raphaella_52 Start: 31903, Stop: 32130, Start Num: 7
Candidate Starts for Raphaella_52:
(2, 31801), (3, 31807), (4, 31831), (Start: 7 @31903 has 29 MA's), (13, 32080),

Gene: Raqqa_44 Start: 29057, Stop: 29278, Start Num: 6
Candidate Starts for Raqqa_44:
(Start: 6 @29057 has 14 MA's), (8, 29084), (10, 29126), (13, 29240),

Gene: Richie_55 Start: 32972, Stop: 33199, Start Num: 7
Candidate Starts for Richie_55:
(2, 32870), (3, 32876), (4, 32900), (Start: 7 @32972 has 29 MA's), (13, 33149),

Gene: Sakai_52 Start: 32005, Stop: 32232, Start Num: 7
Candidate Starts for Sakai_52:
(2, 31903), (3, 31909), (4, 31933), (Start: 7 @32005 has 29 MA's), (13, 32182),

Gene: Sashimi_53 Start: 33239, Stop: 33463, Start Num: 7
Candidate Starts for Sashimi_53:
(1, 33131), (2, 33137), (3, 33143), (4, 33167), (Start: 7 @33239 has 29 MA's), (9, 33263), (13, 33416),

Gene: Satrap_54 Start: 32434, Stop: 32661, Start Num: 7
Candidate Starts for Satrap_54:
(5, 32374), (Start: 7 @32434 has 29 MA's), (13, 32611), (14, 32635),

Gene: Seahorse_56 Start: 34238, Stop: 34465, Start Num: 7
Candidate Starts for Seahorse_56:
(5, 34178), (Start: 7 @34238 has 29 MA's), (13, 34415), (14, 34439),

Gene: SonDevVon_57 Start: 32608, Stop: 32835, Start Num: 7
Candidate Starts for SonDevVon_57:
(2, 32506), (3, 32512), (4, 32536), (Start: 7 @32608 has 29 MA's), (13, 32785), (14, 32809),

Gene: SpicyFrank_56 Start: 33084, Stop: 33311, Start Num: 7
Candidate Starts for SpicyFrank_56:
(1, 32976), (2, 32982), (3, 32988), (4, 33012), (Start: 7 @33084 has 29 MA's), (13, 33261),

Gene: Sporco_54 Start: 32041, Stop: 32256, Start Num: 6
Candidate Starts for Sporco_54:
(Start: 6 @32041 has 14 MA's), (8, 32068), (12, 32218), (13, 32224),

Gene: ThayneTheZag_54 Start: 32079, Stop: 32306, Start Num: 7
Candidate Starts for ThayneTheZag_54:
(1, 31971), (2, 31977), (3, 31983), (4, 32007), (Start: 7 @32079 has 29 MA's), (13, 32256),

Gene: Tiff81_49 Start: 30416, Stop: 30643, Start Num: 7
Candidate Starts for Tiff81_49:
(2, 30314), (3, 30320), (4, 30344), (Start: 7 @30416 has 29 MA's), (13, 30593),

Gene: Vopal_55 Start: 35089, Stop: 35310, Start Num: 6
Candidate Starts for Vopal_55:
(Start: 6 @35089 has 14 MA's), (8, 35116), (10, 35158), (13, 35272),

Gene: Windest_54 Start: 31164, Stop: 31391, Start Num: 7
Candidate Starts for Windest_54:
(2, 31062), (3, 31068), (4, 31092), (Start: 7 @31164 has 29 MA's), (13, 31341),

Gene: YoungHarleezy_53 Start: 32469, Stop: 32696, Start Num: 7
Candidate Starts for YoungHarleezy_53:
(2, 32367), (3, 32373), (4, 32397), (Start: 7 @32469 has 29 MA's), (13, 32646),