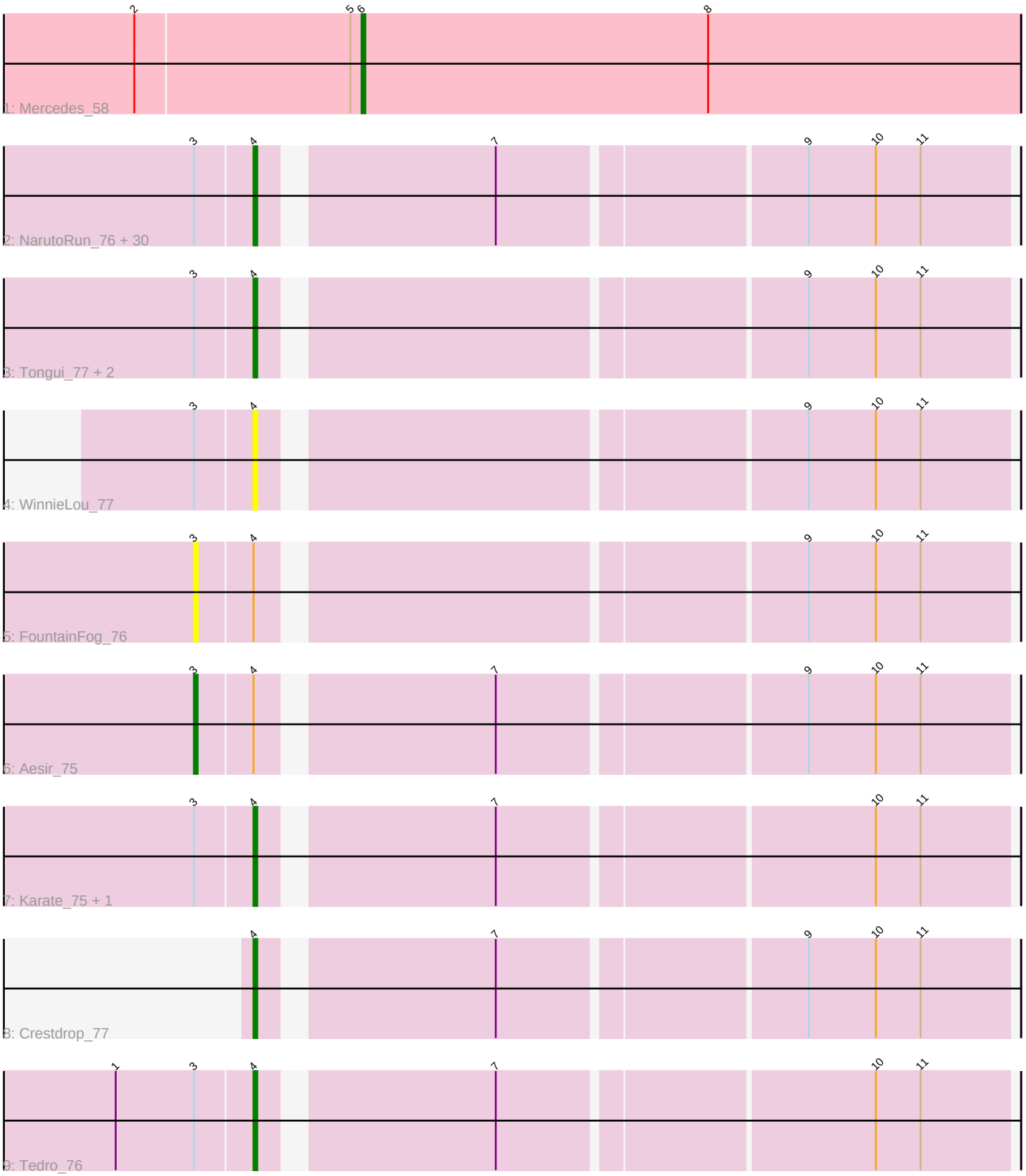
Pham 347776


2
5
6
8
1: Mercedes_58
3
4
7
9
10
11
2: NarutoRun_76 + 30
3: Tongui_77 + 2
4: WinnieLou_77
5: FountainFog_76
6: Aesir_75
7: Karate_75 + 1
8: Crestdrop_77
1
9: Tedro_76

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 347776 Report

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

Pham number 347776 has 42 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Mercedes_58
• Track 2 : NarutoRun_76, Hiddenleaf_77, JingleBells_76, Snakehole_77, Cybele_76, PhunaPhoke_76, Erudite_75, AnnaSerena_76, Kate_76, OverHedge_75, Gilda_76, Haunter_77, FreddieHg_77, SilentWarrior_77, Artiphact_76, OhDear_76, MortySmith_74, SafetyGuy_75, Pharpay_75, Krampus_76, Anakin_76, Potty_75, CoolCookie_75, Tiggy93_76, JDawG_75, Neptune_76, DannyDe_77, Rachella_76, Dauntless_75, Chivey_77, Poultress_75
• Track 3 : Tongui_77, Rie18_76, Hager_78
• Track 4 : WinnieLou_77
• Track 5 : FountainFog_76
• Track 6 : Aesir_75
• Track 7 : Karate_75, Annapurna_77
• Track 8 : Crestdrop_77
• Track 9 : Tedro_76

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

The start number called the most often in the published annotations is 4, it was called in 36 of the 38 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Anakin_76, AnnaSerena_76, Annapurna_77, Artiphact_76, Chivey_77, CoolCookie_75, Crestdrop_77, Cybele_76, DannyDe_77, Dauntless_75, Erudite_75, FreddieHg_77, Gilda_76, Hager_78, Haunter_77, Hiddenleaf_77, JDawG_75, JingleBells_76, Karate_75, Kate_76, Krampus_76, MortySmith_74, NarutoRun_76, Neptune_76, OhDear_76, OverHedge_75, Pharpay_75, PhunaPhoke_76, Potty_75, Poultress_75, Rachella_76, Rie18_76, SafetyGuy_75, SilentWarrior_77, Snakehole_77, Tedro_76, Tiggy93_76, Tongui_77, WinnieLou_77,

Genes that have the "Most Annotated" start but do not call it:
• Aesir_75, FountainFog_76,

Genes that do not have the "Most Annotated" start:
• Mercedes_58,

Summary by start number:

Start 3:
• Found in 40 of 42 (95.2%) of genes in pham
• Manual Annotations of this start: 1 of 38
• Called 5.0% of time when present
• Phage (with cluster) where this start called: Aesir_75 (EF), FountainFog_76 (EF),

Start 4:
• Found in 41 of 42 (97.6%) of genes in pham
• Manual Annotations of this start: 36 of 38
• Called 95.1% of time when present
• Phage (with cluster) where this start called: Anakin_76 (EF), AnnaSerena_76 (EF), Annapurna_77 (EF), Artiphact_76 (EF), Chivey_77 (EF), CoolCookie_75 (EF), Crestdrop_77 (EF), Cybele_76 (EF), DannyDe_77 (EF), Dauntless_75 (EF), Erudite_75 (EF), FreddieHg_77 (EF), Gilda_76 (EF), Hager_78 (EF), Haunter_77 (EF), Hiddenleaf_77 (EF), JDawG_75 (EF), JingleBells_76 (EF), Karate_75 (EF), Kate_76 (EF), Krampus_76 (EF), MortySmith_74 (EF), NarutoRun_76 (EF), Neptune_76 (EF), OhDear_76 (EF), OverHedge_75 (EF), Pharpay_75 (EF), PhunaPhoke_76 (EF), Potty_75 (EF), Poultress_75 (EF), Rachella_76 (EF), Rie18_76 (EF), SafetyGuy_75 (EF), SilentWarrior_77 (EF), Snakehole_77 (EF), Tedro_76 (EF), Tiggy93_76 (EF), Tongui_77 (EF), WinnieLou_77 (EF),

Start 6:
• Found in 1 of 42 (2.4%) of genes in pham
• Manual Annotations of this start: 1 of 38
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Mercedes_58 (EA),

Summary by clusters:

There are 2 clusters represented in this pham: EF, EA,

Info for manual annotations of cluster EA:
•Start number 6 was manually annotated 1 time for cluster EA.

Info for manual annotations of cluster EF:
•Start number 3 was manually annotated 1 time for cluster EF.
•Start number 4 was manually annotated 36 times for cluster EF.

Gene Information:

Gene: Aesir_75 Start: 52985, Stop: 53188, Start Num: 3
Candidate Starts for Aesir_75:
(Start: 3 @52985 has 1 MA's), (Start: 4 @53000 has 36 MA's), (7, 53057), (9, 53135), (10, 53153), (11, 53165),

Gene: Anakin_76 Start: 53365, Stop: 53553, Start Num: 4
Candidate Starts for Anakin_76:

(Start: 3 @53350 has 1 MA's), (Start: 4 @53365 has 36 MA's), (7, 53422), (9, 53500), (10, 53518), (11, 53530),

Gene: AnnaSerena_76 Start: 53399, Stop: 53587, Start Num: 4
Candidate Starts for AnnaSerena_76:
(Start: 3 @53384 has 1 MA's), (Start: 4 @53399 has 36 MA's), (7, 53456), (9, 53534), (10, 53552), (11, 53564),

Gene: Annapurna_77 Start: 52999, Stop: 53187, Start Num: 4
Candidate Starts for Annapurna_77:
(Start: 3 @52984 has 1 MA's), (Start: 4 @52999 has 36 MA's), (7, 53056), (10, 53152), (11, 53164),

Gene: Artiphact_76 Start: 53389, Stop: 53577, Start Num: 4
Candidate Starts for Artiphact_76:
(Start: 3 @53374 has 1 MA's), (Start: 4 @53389 has 36 MA's), (7, 53446), (9, 53524), (10, 53542), (11, 53554),

Gene: Chivey_77 Start: 52802, Stop: 52990, Start Num: 4
Candidate Starts for Chivey_77:
(Start: 3 @52787 has 1 MA's), (Start: 4 @52802 has 36 MA's), (7, 52859), (9, 52937), (10, 52955), (11, 52967),

Gene: CoolCookie_75 Start: 53498, Stop: 53686, Start Num: 4
Candidate Starts for CoolCookie_75:
(Start: 3 @53483 has 1 MA's), (Start: 4 @53498 has 36 MA's), (7, 53555), (9, 53633), (10, 53651), (11, 53663),

Gene: Crestdrop_77 Start: 53319, Stop: 53507, Start Num: 4
Candidate Starts for Crestdrop_77:
(Start: 4 @53319 has 36 MA's), (7, 53376), (9, 53454), (10, 53472), (11, 53484),

Gene: Cybele_76 Start: 53395, Stop: 53583, Start Num: 4
Candidate Starts for Cybele_76:
(Start: 3 @53380 has 1 MA's), (Start: 4 @53395 has 36 MA's), (7, 53452), (9, 53530), (10, 53548), (11, 53560),

Gene: DannyDe_77 Start: 52804, Stop: 52992, Start Num: 4
Candidate Starts for DannyDe_77:
(Start: 3 @52789 has 1 MA's), (Start: 4 @52804 has 36 MA's), (7, 52861), (9, 52939), (10, 52957), (11, 52969),

Gene: Dauntless_75 Start: 53031, Stop: 53219, Start Num: 4
Candidate Starts for Dauntless_75:
(Start: 3 @53016 has 1 MA's), (Start: 4 @53031 has 36 MA's), (7, 53088), (9, 53166), (10, 53184), (11, 53196),

Gene: Erudite_75 Start: 53031, Stop: 53219, Start Num: 4
Candidate Starts for Erudite_75:
(Start: 3 @53016 has 1 MA's), (Start: 4 @53031 has 36 MA's), (7, 53088), (9, 53166), (10, 53184), (11, 53196),

Gene: FountainFog_76 Start: 52859, Stop: 53062, Start Num: 3
Candidate Starts for FountainFog_76:

(Start: 3 @52859 has 1 MA's), (Start: 4 @52874 has 36 MA's), (9, 53009), (10, 53027), (11, 53039),

Gene: FreddieHg_77 Start: 52819, Stop: 53007, Start Num: 4
Candidate Starts for FreddieHg_77:
(Start: 3 @52804 has 1 MA's), (Start: 4 @52819 has 36 MA's), (7, 52876), (9, 52954), (10, 52972), (11, 52984),

Gene: Gilda_76 Start: 53387, Stop: 53575, Start Num: 4
Candidate Starts for Gilda_76:
(Start: 3 @53372 has 1 MA's), (Start: 4 @53387 has 36 MA's), (7, 53444), (9, 53522), (10, 53540), (11, 53552),

Gene: Hager_78 Start: 52853, Stop: 53041, Start Num: 4
Candidate Starts for Hager_78:
(Start: 3 @52838 has 1 MA's), (Start: 4 @52853 has 36 MA's), (9, 52988), (10, 53006), (11, 53018),

Gene: Haunter_77 Start: 52808, Stop: 52996, Start Num: 4
Candidate Starts for Haunter_77:
(Start: 3 @52793 has 1 MA's), (Start: 4 @52808 has 36 MA's), (7, 52865), (9, 52943), (10, 52961), (11, 52973),

Gene: Hiddenleaf_77 Start: 52802, Stop: 52990, Start Num: 4
Candidate Starts for Hiddenleaf_77:
(Start: 3 @52787 has 1 MA's), (Start: 4 @52802 has 36 MA's), (7, 52859), (9, 52937), (10, 52955), (11, 52967),

Gene: JDawG_75 Start: 52995, Stop: 53183, Start Num: 4
Candidate Starts for JDawG_75:
(Start: 3 @52980 has 1 MA's), (Start: 4 @52995 has 36 MA's), (7, 53052), (9, 53130), (10, 53148), (11, 53160),

Gene: JingleBells_76 Start: 52907, Stop: 53095, Start Num: 4
Candidate Starts for JingleBells_76:
(Start: 3 @52892 has 1 MA's), (Start: 4 @52907 has 36 MA's), (7, 52964), (9, 53042), (10, 53060), (11, 53072),

Gene: Karate_75 Start: 53099, Stop: 53287, Start Num: 4
Candidate Starts for Karate_75:
(Start: 3 @53084 has 1 MA's), (Start: 4 @53099 has 36 MA's), (7, 53156), (10, 53252), (11, 53264),

Gene: Kate_76 Start: 53310, Stop: 53498, Start Num: 4
Candidate Starts for Kate_76:
(Start: 3 @53295 has 1 MA's), (Start: 4 @53310 has 36 MA's), (7, 53367), (9, 53445), (10, 53463), (11, 53475),

Gene: Krampus_76 Start: 53400, Stop: 53588, Start Num: 4
Candidate Starts for Krampus_76:
(Start: 3 @53385 has 1 MA's), (Start: 4 @53400 has 36 MA's), (7, 53457), (9, 53535), (10, 53553), (11, 53565),

Gene: Mercedes_58 Start: 39826, Stop: 40002, Start Num: 6
Candidate Starts for Mercedes_58:
(2, 39766), (5, 39823), (Start: 6 @39826 has 1 MA's), (8, 39919),

Gene: MortySmith_74 Start: 52505, Stop: 52693, Start Num: 4
Candidate Starts for MortySmith_74:
(Start: 3 @52490 has 1 MA's), (Start: 4 @52505 has 36 MA's), (7, 52562), (9, 52640), (10, 52658), (11, 52670),

Gene: NarutoRun_76 Start: 53365, Stop: 53553, Start Num: 4
Candidate Starts for NarutoRun_76:
(Start: 3 @53350 has 1 MA's), (Start: 4 @53365 has 36 MA's), (7, 53422), (9, 53500), (10, 53518), (11, 53530),

Gene: Neptune_76 Start: 53395, Stop: 53583, Start Num: 4
Candidate Starts for Neptune_76:
(Start: 3 @53380 has 1 MA's), (Start: 4 @53395 has 36 MA's), (7, 53452), (9, 53530), (10, 53548), (11, 53560),

Gene: OhDear_76 Start: 53363, Stop: 53551, Start Num: 4
Candidate Starts for OhDear_76:
(Start: 3 @53348 has 1 MA's), (Start: 4 @53363 has 36 MA's), (7, 53420), (9, 53498), (10, 53516), (11, 53528),

Gene: OverHedge_75 Start: 53261, Stop: 53449, Start Num: 4
Candidate Starts for OverHedge_75:
(Start: 3 @53246 has 1 MA's), (Start: 4 @53261 has 36 MA's), (7, 53318), (9, 53396), (10, 53414), (11, 53426),

Gene: Pharpay_75 Start: 53410, Stop: 53598, Start Num: 4
Candidate Starts for Pharpay_75:
(Start: 3 @53395 has 1 MA's), (Start: 4 @53410 has 36 MA's), (7, 53467), (9, 53545), (10, 53563), (11, 53575),

Gene: PhunaPhoke_76 Start: 53380, Stop: 53568, Start Num: 4
Candidate Starts for PhunaPhoke_76:
(Start: 3 @53365 has 1 MA's), (Start: 4 @53380 has 36 MA's), (7, 53437), (9, 53515), (10, 53533), (11, 53545),

Gene: Potty_75 Start: 53310, Stop: 53498, Start Num: 4
Candidate Starts for Potty_75:
(Start: 3 @53295 has 1 MA's), (Start: 4 @53310 has 36 MA's), (7, 53367), (9, 53445), (10, 53463), (11, 53475),

Gene: Poultress_75 Start: 53607, Stop: 53795, Start Num: 4
Candidate Starts for Poultress_75:
(Start: 3 @53592 has 1 MA's), (Start: 4 @53607 has 36 MA's), (7, 53664), (9, 53742), (10, 53760), (11, 53772),

Gene: Rachella_76 Start: 53391, Stop: 53579, Start Num: 4
Candidate Starts for Rachella_76:
(Start: 3 @53376 has 1 MA's), (Start: 4 @53391 has 36 MA's), (7, 53448), (9, 53526), (10, 53544), (11, 53556),

Gene: Rie18_76 Start: 53133, Stop: 53321, Start Num: 4
Candidate Starts for Rie18_76:

(Start: 3 @53118 has 1 MA's), (Start: 4 @53133 has 36 MA's), (9, 53268), (10, 53286), (11, 53298),

Gene: SafetyGuy_75 Start: 53371, Stop: 53559, Start Num: 4
Candidate Starts for SafetyGuy_75:
(Start: 3 @53356 has 1 MA's), (Start: 4 @53371 has 36 MA's), (7, 53428), (9, 53506), (10, 53524), (11, 53536),

Gene: SilentWarrior_77 Start: 52768, Stop: 52956, Start Num: 4
Candidate Starts for SilentWarrior_77:
(Start: 3 @52753 has 1 MA's), (Start: 4 @52768 has 36 MA's), (7, 52825), (9, 52903), (10, 52921), (11, 52933),

Gene: Snakehole_77 Start: 52751, Stop: 52939, Start Num: 4
Candidate Starts for Snakehole_77:
(Start: 3 @52736 has 1 MA's), (Start: 4 @52751 has 36 MA's), (7, 52808), (9, 52886), (10, 52904), (11, 52916),

Gene: Tedro_76 Start: 52895, Stop: 53083, Start Num: 4
Candidate Starts for Tedro_76:
(1, 52859), (Start: 3 @52880 has 1 MA's), (Start: 4 @52895 has 36 MA's), (7, 52952), (10, 53048), (11, 53060),

Gene: Tiggy93_76 Start: 53409, Stop: 53597, Start Num: 4
Candidate Starts for Tiggy93_76:
(Start: 3 @53394 has 1 MA's), (Start: 4 @53409 has 36 MA's), (7, 53466), (9, 53544), (10, 53562), (11, 53574),

Gene: Tongui_77 Start: 53245, Stop: 53433, Start Num: 4
Candidate Starts for Tongui_77:
(Start: 3 @53230 has 1 MA's), (Start: 4 @53245 has 36 MA's), (9, 53380), (10, 53398), (11, 53410),

Gene: WinnieLou_77 Start: 52853, Stop: 53041, Start Num: 4
Candidate Starts for WinnieLou_77:
(Start: 3 @52838 has 1 MA's), (Start: 4 @52853 has 36 MA's), (9, 52988), (10, 53006), (11, 53018),