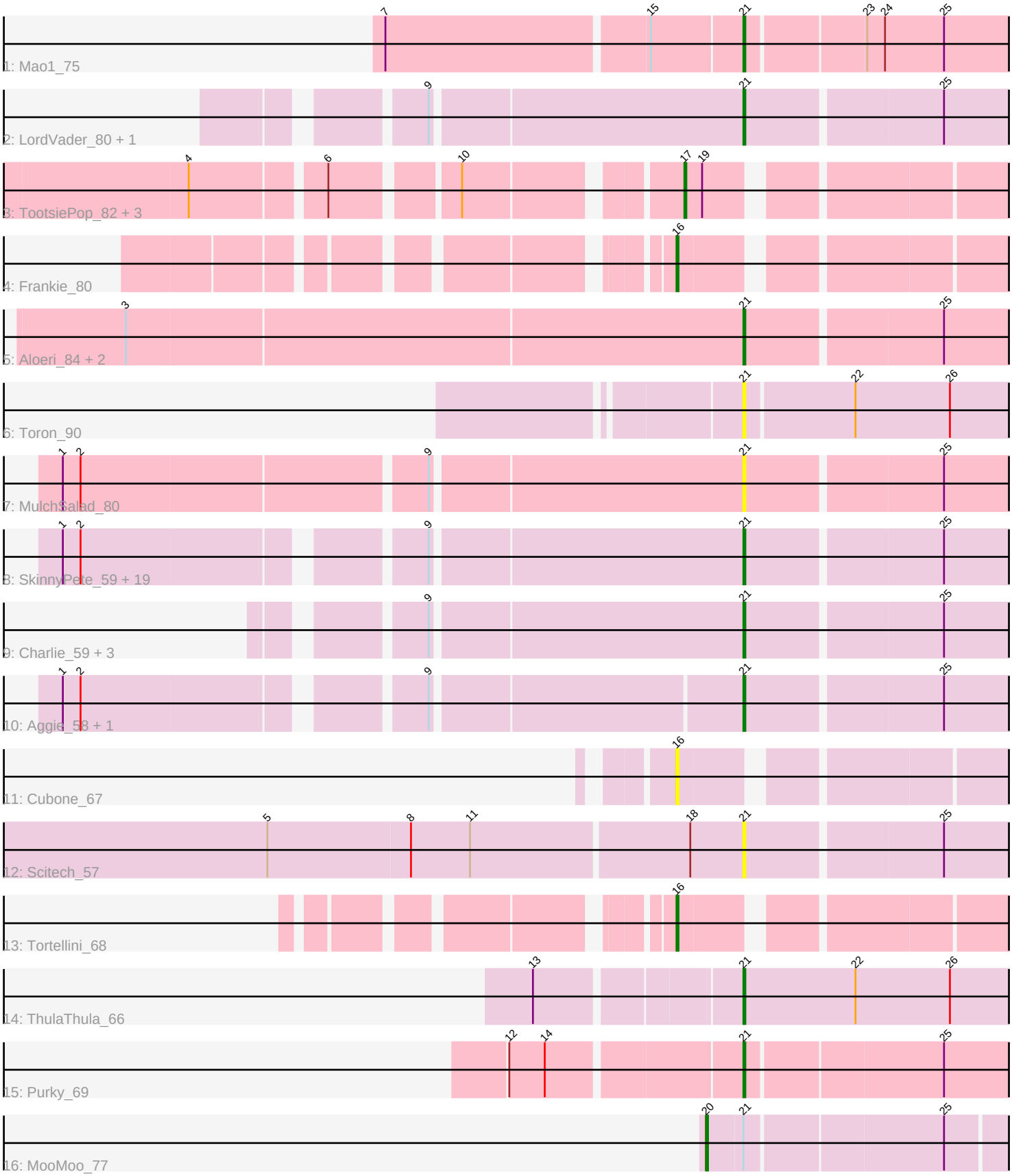
Pham 305112


1: Mao1_75
2: LordVader_80 + 1
3: TootsiePop_82 + 3
4: Frankie_80
5: Aloeri_84 + 2
6: Toron_90
7: MulchSalad_80
8: SkinnyPete_59 + 19
9: Charlie_59 + 3
10: Aggie_58 + 1
11: Cubone_67
12: Scitech_57
13: Tortellini_68
14: ThulaThula_66
15: Purky_69
16: MooMoo_77

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 305112 Report

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

Pham number 305112 has 45 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Mao1_75
• Track 2 : LordVader_80, Piper2020_86
• Track 3 : TootsiePop_82, Misha28_82, Awesomesauce_83, LilSpotty_79
• Track 4 : Frankie_80
• Track 5 : Aloeri_84, ChickenDinner_83, DocMcStuffins_80
• Track 6 : Toron_90
• Track 7 : MulchSalad_80
• Track 8 : SkinnyPete_59, Melville_67, Duplicity_60, Magsby_61, FirstPlacePfu_64, Chewbacca_65, Tessdabest_63, Schnauzer_63, Philonius_62, Smurph_62, Silvafighter_64, EGUnicorn_57, Phloss_60, Xerxes_62, Fulbright_60, Tortoise12_62, Pipsqueaks_63, Carcharodon_62, Parmesanjohn_62, Gex_63
• Track 9 : Charlie_59, Tapioca_60, Bosection6_57, Andies_56
• Track 10 : Aggie_58, Silvy_58
• Track 11 : Cubone_67
• Track 12 : Scitech_57
• Track 13 : Tortellini_68
• Track 14 : ThulaThula_66
• Track 15 : Purky_69
• Track 16 : MooMoo_77

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

The start number called the most often in the published annotations is 21, it was called in 32 of the 39 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aggie_58, Aloeri_84, Andies_56, Bosection6_57, Carcharodon_62, Charlie_59, Chewbacca_65, ChickenDinner_83, DocMcStuffins_80, Duplicity_60, EGUnicorn_57, FirstPlacePfu_64, Fulbright_60, Gex_63, LordVader_80, Magsby_61, Mao1_75, Melville_67, MulchSalad_80, Parmesanjohn_62, Philonius_62, Phloss_60, Piper2020_86, Pipsqueaks_63, Purky_69, Schnauzer_63, Scitech_57, Silvafighter_64, Silvy_58, SkinnyPete_59, Smurph_62, Tapioca_60, Tessdabest_63, ThulaThula_66, Toron_90, Tortoise12_62, Xerxes_62,

Genes that have the "Most Annotated" start but do not call it:
• MooMoo_77,

Genes that do not have the "Most Annotated" start:
• Awesomesauce_83, Cubone_67, Frankie_80, LilSpotty_79, Misha28_82, TootsiePop_82, Tortellini_68,

Summary by start number:

Start 16:
• Found in 3 of 45 (6.7%) of genes in pham
• Manual Annotations of this start: 2 of 39
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cubone_67 (N), Frankie_80 (F1), Tortellini_68 (P2),

Start 17:
• Found in 4 of 45 (8.9%) of genes in pham
• Manual Annotations of this start: 4 of 39
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Awesomesauce_83 (F1), LilSpotty_79 (singleton), Misha28_82 (F1), TootsiePop_82 (F1),

Start 20:
• Found in 1 of 45 (2.2%) of genes in pham
• Manual Annotations of this start: 1 of 39
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MooMoo_77 (singleton),

Start 21:
• Found in 38 of 45 (84.4%) of genes in pham
• Manual Annotations of this start: 32 of 39
• Called 97.4% of time when present
• Phage (with cluster) where this start called: Aggie_58 (N), Aloeri_84 (F1), Andies_56 (N), Bosection6_57 (N), Carcharodon_62 (N), Charlie_59 (N), Chewbacca_65 (N), ChickenDinner_83 (F1), DocMcStuffins_80 (F1), Duplicity_60 (N), EGUnicorn_57 (N), FirstPlacePfu_64 (P1), Fulbright_60 (N), Gex_63 (N), LordVader_80 (F), Magsby_61 (N), Mao1_75 (AD), Melville_67 (N), MulchSalad_80 (F7), Parmesanjohn_62 (N), Philonius_62 (N), Phloss_60 (N), Piper2020_86 (F1), Pipsqueaks_63 (N), Purky_69 (P6), Schnauzer_63 (N), Scitech_57 (N), Silvafighter_64 (N), Silvy_58 (N), SkinnyPete_59 (N), Smurph_62 (N), Tapioca_60 (N), Tessdabest_63 (N), ThulaThula_66 (P5), Toron_90 (F6), Tortoise12_62 (N), Xerxes_62 (N),

Summary by clusters:

There are 11 clusters represented in this pham: P2, F1, singleton, P1, P6, AD, F6, P5, F7, N, F,

Info for manual annotations of cluster AD:
•Start number 21 was manually annotated 1 time for cluster AD.

Info for manual annotations of cluster F1:

•Start number 16 was manually annotated 1 time for cluster F1.
•Start number 17 was manually annotated 3 times for cluster F1.
•Start number 21 was manually annotated 4 times for cluster F1.

Info for manual annotations of cluster N:
•Start number 21 was manually annotated 24 times for cluster N.

Info for manual annotations of cluster P1:
•Start number 21 was manually annotated 1 time for cluster P1.

Info for manual annotations of cluster P2:
•Start number 16 was manually annotated 1 time for cluster P2.

Info for manual annotations of cluster P5:
•Start number 21 was manually annotated 1 time for cluster P5.

Info for manual annotations of cluster P6:
•Start number 21 was manually annotated 1 time for cluster P6.

Gene Information:

Gene: Aggie_58 Start: 39856, Stop: 39999, Start Num: 21
Candidate Starts for Aggie_58:
(1, 39541), (2, 39550), (9, 39706), (Start: 21 @39856 has 32 MA's), (25, 39952),

Gene: Aloeri_84 Start: 50246, Stop: 50389, Start Num: 21
Candidate Starts for Aloeri_84:
(3, 49937), (Start: 21 @50246 has 32 MA's), (25, 50342),

Gene: Andies_56 Start: 39301, Stop: 39444, Start Num: 21
Candidate Starts for Andies_56:
(9, 39148), (Start: 21 @39301 has 32 MA's), (25, 39397),

Gene: Awesomesauce_83 Start: 50467, Stop: 50625, Start Num: 17
Candidate Starts for Awesomesauce_83:
(4, 50251), (6, 50314), (10, 50371), (Start: 17 @50467 has 4 MA's), (19, 50476),

Gene: Bosection6_57 Start: 38905, Stop: 39048, Start Num: 21
Candidate Starts for Bosection6_57:
(9, 38752), (Start: 21 @38905 has 32 MA's), (25, 39001),

Gene: Carcharodon_62 Start: 39203, Stop: 39346, Start Num: 21
Candidate Starts for Carcharodon_62:
(1, 38885), (2, 38894), (9, 39050), (Start: 21 @39203 has 32 MA's), (25, 39299),

Gene: Charlie_59 Start: 38529, Stop: 38672, Start Num: 21
Candidate Starts for Charlie_59:
(9, 38376), (Start: 21 @38529 has 32 MA's), (25, 38625),

Gene: Chewbacca_65 Start: 39098, Stop: 39241, Start Num: 21
Candidate Starts for Chewbacca_65:
(1, 38780), (2, 38789), (9, 38945), (Start: 21 @39098 has 32 MA's), (25, 39194),

Gene: ChickenDinner_83 Start: 50246, Stop: 50389, Start Num: 21
Candidate Starts for ChickenDinner_83:
(3, 49937), (Start: 21 @50246 has 32 MA's), (25, 50342),

Gene: Cubone_67 Start: 39807, Stop: 39968, Start Num: 16
Candidate Starts for Cubone_67:
(Start: 16 @39807 has 2 MA's),

Gene: DocMcStuffins_80 Start: 51876, Stop: 52019, Start Num: 21
Candidate Starts for DocMcStuffins_80:
(3, 51567), (Start: 21 @51876 has 32 MA's), (25, 51972),

Gene: Duplicity_60 Start: 38460, Stop: 38603, Start Num: 21
Candidate Starts for Duplicity_60:
(1, 38142), (2, 38151), (9, 38307), (Start: 21 @38460 has 32 MA's), (25, 38556),

Gene: EGUnicorn_57 Start: 37526, Stop: 37669, Start Num: 21
Candidate Starts for EGUnicorn_57:
(1, 37208), (2, 37217), (9, 37373), (Start: 21 @37526 has 32 MA's), (25, 37622),

Gene: FirstPlacePfu_64 Start: 39003, Stop: 39146, Start Num: 21
Candidate Starts for FirstPlacePfu_64:
(1, 38685), (2, 38694), (9, 38850), (Start: 21 @39003 has 32 MA's), (25, 39099),

Gene: Frankie_80 Start: 47540, Stop: 47701, Start Num: 16
Candidate Starts for Frankie_80:
(Start: 16 @47540 has 2 MA's),

Gene: Fulbright_60 Start: 37897, Stop: 38040, Start Num: 21
Candidate Starts for Fulbright_60:
(1, 37579), (2, 37588), (9, 37744), (Start: 21 @37897 has 32 MA's), (25, 37993),

Gene: Gex_63 Start: 39219, Stop: 39362, Start Num: 21
Candidate Starts for Gex_63:
(1, 38901), (2, 38910), (9, 39066), (Start: 21 @39219 has 32 MA's), (25, 39315),

Gene: LilSpotty_79 Start: 45907, Stop: 46065, Start Num: 17
Candidate Starts for LilSpotty_79:
(4, 45691), (6, 45754), (10, 45811), (Start: 17 @45907 has 4 MA's), (19, 45916),

Gene: LordVader_80 Start: 46472, Stop: 46615, Start Num: 21
Candidate Starts for LordVader_80:
(9, 46319), (Start: 21 @46472 has 32 MA's), (25, 46568),

Gene: Magsby_61 Start: 39165, Stop: 39308, Start Num: 21
Candidate Starts for Magsby_61:
(1, 38847), (2, 38856), (9, 39012), (Start: 21 @39165 has 32 MA's), (25, 39261),

Gene: Mao1_75 Start: 54531, Stop: 54680, Start Num: 21

Candidate Starts for Mao1_75:
(7, 54357), (15, 54486), (Start: 21 @54531 has 32 MA's), (23, 54588), (24, 54597), (25, 54627),

Gene: Melville_67 Start: 38774, Stop: 38917, Start Num: 21
Candidate Starts for Melville_67:
(1, 38456), (2, 38465), (9, 38621), (Start: 21 @38774 has 32 MA's), (25, 38870),

Gene: Misha28_82 Start: 51166, Stop: 51324, Start Num: 17
Candidate Starts for Misha28_82:
(4, 50950), (6, 51013), (10, 51070), (Start: 17 @51166 has 4 MA's), (19, 51175),

Gene: MooMoo_77 Start: 47555, Stop: 47719, Start Num: 20
Candidate Starts for MooMoo_77:
(Start: 20 @47555 has 1 MA's), (Start: 21 @47573 has 32 MA's), (25, 47669),

Gene: MulchSalad_80 Start: 48222, Stop: 48365, Start Num: 21
Candidate Starts for MulchSalad_80:
(1, 47892), (2, 47901), (9, 48069), (Start: 21 @48222 has 32 MA's), (25, 48318),

Gene: Parmesanjohn_62 Start: 39223, Stop: 39366, Start Num: 21
Candidate Starts for Parmesanjohn_62:
(1, 38905), (2, 38914), (9, 39070), (Start: 21 @39223 has 32 MA's), (25, 39319),

Gene: Philonius_62 Start: 39388, Stop: 39531, Start Num: 21
Candidate Starts for Philonius_62:
(1, 39070), (2, 39079), (9, 39235), (Start: 21 @39388 has 32 MA's), (25, 39484),

Gene: Phloss_60 Start: 38630, Stop: 38773, Start Num: 21
Candidate Starts for Phloss_60:
(1, 38312), (2, 38321), (9, 38477), (Start: 21 @38630 has 32 MA's), (25, 38726),

Gene: Piper2020_86 Start: 51987, Stop: 52130, Start Num: 21
Candidate Starts for Piper2020_86:
(9, 51834), (Start: 21 @51987 has 32 MA's), (25, 52083),

Gene: Pipsqueaks_63 Start: 39201, Stop: 39344, Start Num: 21
Candidate Starts for Pipsqueaks_63:
(1, 38883), (2, 38892), (9, 39048), (Start: 21 @39201 has 32 MA's), (25, 39297),

Gene: Purky_69 Start: 44331, Stop: 44486, Start Num: 21
Candidate Starts for Purky_69:
(12, 44220), (14, 44238), (Start: 21 @44331 has 32 MA's), (25, 44427),

Gene: Schnauzer_63 Start: 39223, Stop: 39366, Start Num: 21
Candidate Starts for Schnauzer_63:
(1, 38905), (2, 38914), (9, 39070), (Start: 21 @39223 has 32 MA's), (25, 39319),

Gene: Scitech_57 Start: 38626, Stop: 38769, Start Num: 21
Candidate Starts for Scitech_57:
(5, 38389), (8, 38461), (11, 38491), (18, 38599), (Start: 21 @38626 has 32 MA's), (25, 38722),

Gene: Silvafighter_64 Start: 38766, Stop: 38909, Start Num: 21
Candidate Starts for Silvafighter_64:

(1, 38448), (2, 38457), (9, 38613), (Start: 21 @38766 has 32 MA's), (25, 38862),

Gene: Silvy_58 Start: 39856, Stop: 39999, Start Num: 21
Candidate Starts for Silvy_58:
(1, 39541), (2, 39550), (9, 39706), (Start: 21 @39856 has 32 MA's), (25, 39952),

Gene: SkinnyPete_59 Start: 38970, Stop: 39113, Start Num: 21
Candidate Starts for SkinnyPete_59:
(1, 38652), (2, 38661), (9, 38817), (Start: 21 @38970 has 32 MA's), (25, 39066),

Gene: Smurph_62 Start: 39223, Stop: 39366, Start Num: 21
Candidate Starts for Smurph_62:
(1, 38905), (2, 38914), (9, 39070), (Start: 21 @39223 has 32 MA's), (25, 39319),

Gene: Tapioca_60 Start: 39740, Stop: 39883, Start Num: 21
Candidate Starts for Tapioca_60:
(9, 39587), (Start: 21 @39740 has 32 MA's), (25, 39836),

Gene: Tessdabest_63 Start: 39357, Stop: 39500, Start Num: 21
Candidate Starts for Tessdabest_63:
(1, 39039), (2, 39048), (9, 39204), (Start: 21 @39357 has 32 MA's), (25, 39453),

Gene: ThulaThula_66 Start: 44182, Stop: 44340, Start Num: 21
Candidate Starts for ThulaThula_66:
(13, 44086), (Start: 21 @44182 has 32 MA's), (22, 44239), (26, 44287),

Gene: TootsiePop_82 Start: 51166, Stop: 51324, Start Num: 17
Candidate Starts for TootsiePop_82:
(4, 50950), (6, 51013), (10, 51070), (Start: 17 @51166 has 4 MA's), (19, 51175),

Gene: Toron_90 Start: 52849, Stop: 53001, Start Num: 21
Candidate Starts for Toron_90:
(Start: 21 @52849 has 32 MA's), (22, 52903), (26, 52951),

Gene: Tortellini_68 Start: 45349, Stop: 45510, Start Num: 16
Candidate Starts for Tortellini_68:
(Start: 16 @45349 has 2 MA's),

Gene: Tortoise12_62 Start: 38344, Stop: 38487, Start Num: 21
Candidate Starts for Tortoise12_62:
(1, 38026), (2, 38035), (9, 38191), (Start: 21 @38344 has 32 MA's), (25, 38440),

Gene: Xerxes_62 Start: 39220, Stop: 39363, Start Num: 21
Candidate Starts for Xerxes_62:
(1, 38902), (2, 38911), (9, 39067), (Start: 21 @39220 has 32 MA's), (25, 39316),