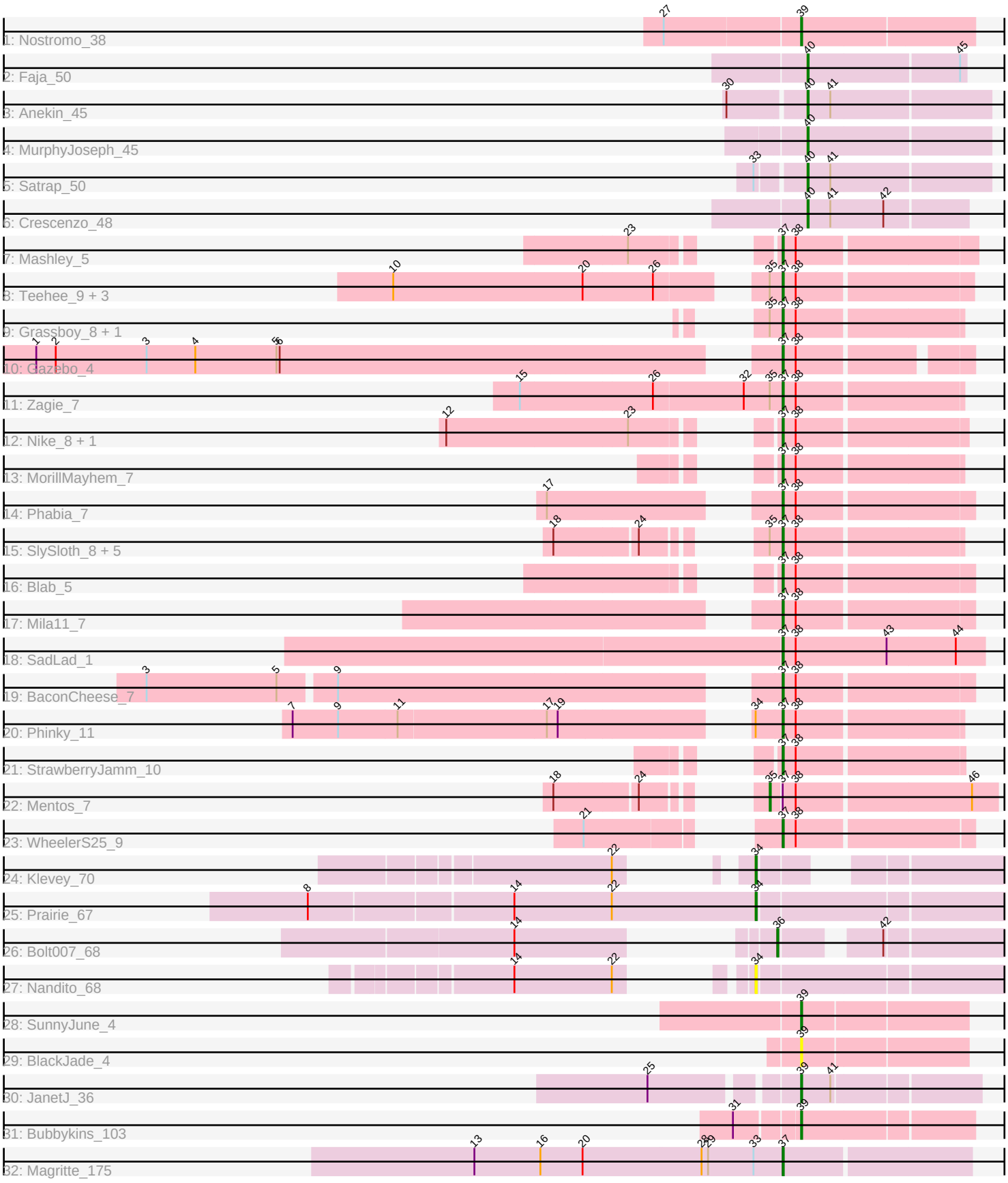
Pham 347780


1: Nostromo_38
2: Faja_50
3: Anekin_45
4: MurphyJoseph_45
5: Satrap_50
6: Crescenzo_48
7: Mashley_5
8: Teehee_9 + 3
9: Grassboy_8 + 1
10: Gazebo_4
11: Zagie_7
12: Nike_8 + 1
13: MorillMayhem_7
14: Phabia_7
15: SlySloth_8 + 5
16: Blab_5
17: Mila11_7
18: SadLad_1
19: BaconCheese_7
20: Phinky_11
21: StrawberryJamm_10
22: Mentos_7
23: WheelerS25_9
24: Klevey_70
25: Prairie_67
26: Bolt007_68
27: Nandito_68
28: SunnyJune_4
29: BlackJade_4
30: JanetJ_36
31: Bubbykins_103
32: Magritte_175

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 347780 Report

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

Pham number 347780 has 42 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Nostromo_38
• Track 2 : Faja_50
• Track 3 : Anekin_45
• Track 4 : MurphyJoseph_45
• Track 5 : Satrap_50
• Track 6 : Crescenzo_48
• Track 7 : Mashley_5
• Track 8 : Teehee_9, SallyK_8, Jehoshaphat_9, Tissue_6
• Track 9 : Grassboy_8, Kyva_9
• Track 10 : Gazebo_4
• Track 11 : Zagie_7
• Track 12 : Nike_8, Squash_9
• Track 13 : MorillMayhem_7
• Track 14 : Phabia_7
• Track 15 : SlySloth_8, AluminumJesus_4, Zhafia_8, Statler_7, Namago_6, Judebell_8
• Track 16 : Blab_5
• Track 17 : Mila11_7
• Track 18 : SadLad_1
• Track 19 : BaconCheese_7
• Track 20 : Phinky_11
• Track 21 : StrawberryJamm_10
• Track 22 : Mentos_7
• Track 23 : WheelerS25_9
• Track 24 : Klevey_70
• Track 25 : Prairie_67
• Track 26 : Bolt007_68
• Track 27 : Nandito_68
• Track 28 : SunnyJune_4
• Track 29 : BlackJade_4
• Track 30 : JanetJ_36
• Track 31 : Bubbykins_103
• Track 32 : Magritte_175

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

The start number called the most often in the published annotations is 37, it was called in 27 of the 40 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AluminumJesus_4, BaconCheese_7, Blab_5, Gazebo_4, Grassboy_8, Jehoshaphat_9, Judebell_8, Kyva_9, Magritte_175, Mashley_5, Mila11_7, MorillMayhem_7, Namago_6, Nike_8, Phabia_7, Phinky_11, SadLad_1, SallyK_8, SlySloth_8, Squash_9, Statler_7, StrawberryJamm_10, Teehee_9, Tissue_6, WheelerS25_9, Zagie_7, Zhafia_8,

Genes that have the "Most Annotated" start but do not call it:
• Mentos_7,

Genes that do not have the "Most Annotated" start:
• Anekin_45, BlackJade_4, Bolt007_68, Bubbykins_103, Crescenzo_48, Faja_50, JanetJ_36, Klevey_70, MurphyJoseph_45, Nandito_68, Nostromo_38, Prairie_67, Satrap_50, SunnyJune_4,

Summary by start number:

Start 34:
• Found in 4 of 42 (9.5%) of genes in pham
• Manual Annotations of this start: 2 of 40
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Klevey_70 (FH), Nandito_68 (FH), Prairie_67 (FH),

Start 35:
• Found in 14 of 42 (33.3%) of genes in pham
• Manual Annotations of this start: 1 of 40
• Called 7.1% of time when present
• Phage (with cluster) where this start called: Mentos_7 (EG),

Start 36:
• Found in 1 of 42 (2.4%) of genes in pham
• Manual Annotations of this start: 1 of 40
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bolt007_68 (FH),

Start 37:
• Found in 28 of 42 (66.7%) of genes in pham
• Manual Annotations of this start: 27 of 40
• Called 96.4% of time when present
• Phage (with cluster) where this start called: AluminumJesus_4 (EG), BaconCheese_7 (EG), Blab_5 (EG), Gazebo_4 (EG), Grassboy_8 (EG), Jehoshaphat_9 (EG), Judebell_8 (EG), Kyva_9 (EG), Magritte_175 (singleton), Mashley_5 (EG), Mila11_7 (EG), MorillMayhem_7 (EG), Namago_6 (EG), Nike_8 (EG), Phabia_7 (EG), Phinky_11 (EG), SadLad_1 (EG), SallyK_8 (EG), SlySloth_8 (EG), Squash_9 (EG), Statler_7 (EG), StrawberryJamm_10 (EG), Teehee_9 (EG), Tissue_6 (EG), WheelerS25_9 (EG), Zagie_7 (EG), Zhafia_8 (EG),

Start 39:

• Found in 5 of 42 (11.9%) of genes in pham
• Manual Annotations of this start: 4 of 40
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BlackJade_4 (FL), Bubbykins_103 (UNK), JanetJ_36 (FO), Nostromo_38 (AO3), SunnyJune_4 (FL),

Start 40:
• Found in 5 of 42 (11.9%) of genes in pham
• Manual Annotations of this start: 5 of 40
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anekin_45 (AY), Crescenzo_48 (AY), Faja_50 (AY), MurphyJoseph_45 (AY), Satrap_50 (AY),

Summary by clusters:

There are 8 clusters represented in this pham: singleton, EG, AY, AO3, FH, UNK, FL, FO,

Info for manual annotations of cluster AO3:
•Start number 39 was manually annotated 1 time for cluster AO3.

Info for manual annotations of cluster AY:
•Start number 40 was manually annotated 5 times for cluster AY.

Info for manual annotations of cluster EG:
•Start number 35 was manually annotated 1 time for cluster EG.
•Start number 37 was manually annotated 26 times for cluster EG.

Info for manual annotations of cluster FH:
•Start number 34 was manually annotated 2 times for cluster FH.
•Start number 36 was manually annotated 1 time for cluster FH.

Info for manual annotations of cluster FL:
•Start number 39 was manually annotated 1 time for cluster FL.

Info for manual annotations of cluster FO:
•Start number 39 was manually annotated 1 time for cluster FO.

Info for manual annotations of cluster UNK:
•Start number 39 was manually annotated 1 time for cluster UNK.

Gene Information:

Gene: AluminumJesus_4 Start: 1531, Stop: 1373, Start Num: 37
Candidate Starts for AluminumJesus_4:
(18, 1666), (24, 1594), (Start: 35 @1540 has 1 MA's), (Start: 37 @1531 has 27 MA's), (38, 1519),

Gene: Anekin_45 Start: 30188, Stop: 30352, Start Num: 40
Candidate Starts for Anekin_45:
(30, 30122), (Start: 40 @30188 has 5 MA's), (41, 30209),

Gene: BaconCheese_7 Start: 2342, Stop: 2175, Start Num: 37
Candidate Starts for BaconCheese_7:
(3, 2864), (5, 2744), (9, 2696), (Start: 37 @2342 has 27 MA's), (38, 2330),

Gene: Blab_5 Start: 1531, Stop: 1364, Start Num: 37
Candidate Starts for Blab_5:
(Start: 37 @1531 has 27 MA's), (38, 1519),

Gene: BlackJade_4 Start: 3263, Stop: 3409, Start Num: 39
Candidate Starts for BlackJade_4:
(Start: 39 @3263 has 4 MA's),

Gene: Bolt007_68 Start: 44487, Stop: 44305, Start Num: 36
Candidate Starts for Bolt007_68:
(14, 44622), (Start: 36 @44487 has 1 MA's), (42, 44415),

Gene: Bubbykins_103 Start: 61713, Stop: 61865, Start Num: 39
Candidate Starts for Bubbykins_103:
(31, 61659), (Start: 39 @61713 has 4 MA's),

Gene: Crescenzo_48 Start: 31111, Stop: 31254, Start Num: 40
Candidate Starts for Crescenzo_48:
(Start: 40 @31111 has 5 MA's), (41, 31132), (42, 31180),

Gene: Faja_50 Start: 32068, Stop: 32208, Start Num: 40
Candidate Starts for Faja_50:
(Start: 40 @32068 has 5 MA's), (45, 32203),

Gene: Gazebo_4 Start: 1703, Stop: 1548, Start Num: 37
Candidate Starts for Gazebo_4:
(1, 2336), (2, 2318), (3, 2234), (4, 2189), (5, 2114), (6, 2111), (Start: 37 @1703 has 27 MA's), (38, 1691),

Gene: Grassboy_8 Start: 2431, Stop: 2273, Start Num: 37
Candidate Starts for Grassboy_8:
(Start: 35 @2440 has 1 MA's), (Start: 37 @2431 has 27 MA's), (38, 2419),

Gene: JanetJ_36 Start: 30129, Stop: 30284, Start Num: 39
Candidate Starts for JanetJ_36:
(25, 30009), (Start: 39 @30129 has 4 MA's), (41, 30156),

Gene: Jehoshaphat_9 Start: 2955, Stop: 2788, Start Num: 37
Candidate Starts for Jehoshaphat_9:
(10, 3270), (20, 3096), (26, 3033), (Start: 35 @2964 has 1 MA's), (Start: 37 @2955 has 27 MA's), (38, 2943),

Gene: Judebell_8 Start: 2409, Stop: 2251, Start Num: 37
Candidate Starts for Judebell_8:
(18, 2544), (24, 2472), (Start: 35 @2418 has 1 MA's), (Start: 37 @2409 has 27 MA's), (38, 2397),

Gene: Klevey_70 Start: 44391, Stop: 44209, Start Num: 34
Candidate Starts for Klevey_70:
(22, 44424), (Start: 34 @44391 has 2 MA's),

Gene: Kyva_9 Start: 2466, Stop: 2308, Start Num: 37
Candidate Starts for Kyva_9:
(Start: 35 @2475 has 1 MA's), (Start: 37 @2466 has 27 MA's), (38, 2454),

Gene: Magritte_175 Start: 100807, Stop: 100974, Start Num: 37
Candidate Starts for Magritte_175:
(13, 100525), (16, 100585), (20, 100624), (28, 100732), (29, 100738), (33, 100780), (Start: 37 @100807 has 27 MA's),

Gene: Mashley_5 Start: 1919, Stop: 1749, Start Num: 37
Candidate Starts for Mashley_5:
(23, 1991), (Start: 37 @1919 has 27 MA's), (38, 1907),

Gene: Mentos_7 Start: 2273, Stop: 2073, Start Num: 35
Candidate Starts for Mentos_7:
(18, 2399), (24, 2327), (Start: 35 @2273 has 1 MA's), (Start: 37 @2264 has 27 MA's), (38, 2252), (46, 2096),

Gene: Mila11_7 Start: 2327, Stop: 2160, Start Num: 37
Candidate Starts for Mila11_7:
(Start: 37 @2327 has 27 MA's), (38, 2315),

Gene: MorillMayhem_7 Start: 2134, Stop: 1976, Start Num: 37
Candidate Starts for MorillMayhem_7:
(Start: 37 @2134 has 27 MA's), (38, 2122),

Gene: MurphyJoseph_45 Start: 29289, Stop: 29453, Start Num: 40
Candidate Starts for MurphyJoseph_45:
(Start: 40 @29289 has 5 MA's),

Gene: Namago_6 Start: 1716, Stop: 1558, Start Num: 37
Candidate Starts for Namago_6:
(18, 1851), (24, 1779), (Start: 35 @1725 has 1 MA's), (Start: 37 @1716 has 27 MA's), (38, 1704),

Gene: Nandito_68 Start: 44504, Stop: 44283, Start Num: 34
Candidate Starts for Nandito_68:
(14, 44633), (22, 44543), (Start: 34 @44504 has 2 MA's),

Gene: Nike_8 Start: 2379, Stop: 2218, Start Num: 37
Candidate Starts for Nike_8:
(12, 2616), (23, 2451), (Start: 37 @2379 has 27 MA's), (38, 2367),

Gene: Nostromo_38 Start: 31200, Stop: 31355, Start Num: 39
Candidate Starts for Nostromo_38:
(27, 31080), (Start: 39 @31200 has 4 MA's),

Gene: Phabia_7 Start: 2157, Stop: 1990, Start Num: 37
Candidate Starts for Phabia_7:
(17, 2319), (Start: 37 @2157 has 27 MA's), (38, 2145),

Gene: Phinky_11 Start: 2876, Stop: 2718, Start Num: 37
Candidate Starts for Phinky_11:

(7, 3269), (9, 3227), (11, 3173), (17, 3038), (19, 3029), (Start: 34 @2894 has 2 MA's), (Start: 37 @2876 has 27 MA's), (38, 2864),

Gene: Prairie_67 Start: 43945, Stop: 43724, Start Num: 34
Candidate Starts for Prairie_67:
(8, 44347), (14, 44167), (22, 44077), (Start: 34 @43945 has 2 MA's),

Gene: SadLad_1 Start: 839, Stop: 654, Start Num: 37
Candidate Starts for SadLad_1:
(Start: 37 @839 has 27 MA's), (38, 827), (43, 743), (44, 680),

Gene: SallyK_8 Start: 3005, Stop: 2847, Start Num: 37
Candidate Starts for SallyK_8:
(10, 3320), (20, 3146), (26, 3083), (Start: 35 @3014 has 1 MA's), (Start: 37 @3005 has 27 MA's), (38, 2993),

Gene: Satrap_50 Start: 30878, Stop: 31042, Start Num: 40
Candidate Starts for Satrap_50:
(33, 30839), (Start: 40 @30878 has 5 MA's), (41, 30899),

Gene: SlySloth_8 Start: 2427, Stop: 2269, Start Num: 37
Candidate Starts for SlySloth_8:
(18, 2562), (24, 2490), (Start: 35 @2436 has 1 MA's), (Start: 37 @2427 has 27 MA's), (38, 2415),

Gene: Squash_9 Start: 2434, Stop: 2273, Start Num: 37
Candidate Starts for Squash_9:
(12, 2671), (23, 2506), (Start: 37 @2434 has 27 MA's), (38, 2422),

Gene: Statler_7 Start: 2251, Stop: 2093, Start Num: 37
Candidate Starts for Statler_7:
(18, 2386), (24, 2314), (Start: 35 @2260 has 1 MA's), (Start: 37 @2251 has 27 MA's), (38, 2239),

Gene: StrawberryJamm_10 Start: 2459, Stop: 2301, Start Num: 37
Candidate Starts for StrawberryJamm_10:
(Start: 37 @2459 has 27 MA's), (38, 2447),

Gene: SunnyJune_4 Start: 3451, Stop: 3597, Start Num: 39
Candidate Starts for SunnyJune_4:
(Start: 39 @3451 has 4 MA's),

Gene: Teehee_9 Start: 2955, Stop: 2788, Start Num: 37
Candidate Starts for Teehee_9:
(10, 3270), (20, 3096), (26, 3033), (Start: 35 @2964 has 1 MA's), (Start: 37 @2955 has 27 MA's), (38, 2943),

Gene: Tissue_6 Start: 2086, Stop: 1928, Start Num: 37
Candidate Starts for Tissue_6:
(10, 2401), (20, 2227), (26, 2164), (Start: 35 @2095 has 1 MA's), (Start: 37 @2086 has 27 MA's), (38, 2074),

Gene: WheelerS25_9 Start: 2902, Stop: 2735, Start Num: 37
Candidate Starts for WheelerS25_9:
(21, 3007), (Start: 37 @2902 has 27 MA's), (38, 2890),

Gene: Zagie_7 Start: 2367, Stop: 2209, Start Num: 37
Candidate Starts for Zagie_7:
(15, 2601), (26, 2481), (32, 2400), (Start: 35 @2376 has 1 MA's), (Start: 37 @2367 has 27 MA's), (38, 2355),

Gene: Zhafia_8 Start: 2386, Stop: 2228, Start Num: 37
Candidate Starts for Zhafia_8:
(18, 2521), (24, 2449), (Start: 35 @2395 has 1 MA's), (Start: 37 @2386 has 27 MA's), (38, 2374),