



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 85385 Report

This analysis was run 04/28/24 on database version 559.

Pham number 85385 has 81 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Soshari_58, Farber_56, KADY_56, BuzzBuzz_54, HashRod_57, LarryKay_56, Phoxy_56, Misomonster_57, Spike509_56, Rummer_55, Methuselah_52, Louie6_55, AgronaGT15_55, Daishi_55
- Track 2 : Penny1_57, GtownJaz_56, EpicPhail_57, MoneyMay_56, GingkoMaracino_56, Dieselweasel_57, Malinsilva_58, Hercules11_56, Wooldri_58, Beauxregard13_56, PotatoSplit_58, Microwolf_56, Aglet_57, Cullens_56, Vix_56, Marie_56, DaHudson_56, SoYo_56, MarQuardt_56, Colbster_56, SoilDragon_56, Anubis_59, Watson_56, Taurus_57, LugYA_59, LBerry_57, Snickers_56, StepMih_56, Sabinator_55, JHC117_56, Mainiac_56, P28Green_57, Stagni_56, Fernando_56, PGHhamlin_58, Zetzy_55, Phoebe_57, Grum1_56, JenCasNa_57, BreSam8_56, Sabia_56, Grub_56, Jobu08_55, MuchMore_59, Lilith_57, Grif_56, AugsMagnumOpus_59, Ollie_56, Pembroke_56
- Track 3 : Manu_56, Pawn_56, Gemma_55, HaveUMetTed_57, ACFishhook_55, PhishRPhriends_54, Kalnoky_57, Kalb97_57, Groupthink_57, JeppNRM_57, OlanP_55, PurpleHaze_56, Marius_57, Reba_56, Heliosoles_55, Phranny_57
- Track 4 : Tiffany_56, MadMarie_56

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

The start number called the most often in the published annotations is 2, it was called in 79 of the 79 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ACFishhook_55, Aglet_57, AgronaGT15_55, Anubis_59, AugsMagnumOpus_59, Beauxregard13_56, BreSam8_56, BuzzBuzz_54, Colbster_56, Cullens_56, DaHudson_56, Daishi_55, Dieselweasel_57, EpicPhail_57, Farber_56, Fernando_56, Gemma_55, GingkoMaracino_56, Grif_56, Groupthink_57, Grub_56, Grum1_56, GtownJaz_56, HashRod_57, HaveUMetTed_57, Heliosoles_55, Hercules11_56, JHC117_56, JenCasNa_57, JeppNRM_57, Jobu08_55, KADY_56, Kalb97_57, Kalnoky_57, LBerry_57, LarryKay_56, Lilith_57, Louie6_55, LugYA_59, MadMarie_56, Mainiac_56, Malinsilva_58, Manu_56, MarQuardt_56, Marie_56, Marius_57, Methuselah_52, Microwolf_56, Misomonster_57, MoneyMay_56, MuchMore_59, OlanP_55, Ollie_56, P28Green_57, PGHhamlin_58, Pawn_56, Pembroke_56, Penny1_57, PhishRPhriends_54, Phoebe_57, Phoxy_56,

Phranny_57, PotatoSplit_58, PurpleHaze_56, Reba_56, Rummer_55, Sabia_56, Sabinator_55, Snickers_56, SoYo_56, SoilDragon_56, Soshari_58, Spike509_56, Stagni_56, StepMih_56, Taurus_57, Tiffany_56, Vix_56, Watson_56, Wooldri_58, Zetzy_55,

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

-

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

-

Summary by start number:

Start 2:

- Found in 81 of 81 (100.0%) of genes in pham
- Manual Annotations of this start: 79 of 79
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ACFishhook_55 (A3), Aglet_57 (A3), AgronaGT15_55 (A3), Anubis_59 (A3), AugsMagnumOpus_59 (A3), Beauxregard13_56 (A3), BreSam8_56 (A3), BuzzBuzz_54 (A3), Colbster_56 (A3), Cullens_56 (A3), DaHudson_56 (A3), Daishi_55 (A3), Dieselweasel_57 (A3), EpicPhail_57 (A3), Farber_56 (A3), Fernando_56 (A3), Gemma_55 (A3), GingkoMaracino_56 (A3), Grif_56 (A3), Groupthink_57 (A3), Grub_56 (A3), Grum1_56 (A3), GtownJaz_56 (A3), HashRod_57 (A3), HaveUMetTed_57 (A3), Heliosoles_55 (A3), Hercules11_56 (A3), JHC117_56 (A3), JenCasNa_57 (A3), JeppNRM_57 (A3), Jobu08_55 (A3), KADY_56 (A3), Kalb97_57 (A3), Kalnoky_57 (A3), LBerry_57 (A3), LarryKay_56 (A3), Lilith_57 (A3), Louie6_55 (A3), LugYA_59 (A3), MadMarie_56 (A3), Mainiac_56 (A3), Malinsilva_58 (A3), Manu_56 (A3), MarQuardt_56 (A3), Marie_56 (A3), Marius_57 (A3), Methuselah_52 (A3), Microwolf_56 (A3), Misomonster_57 (A3), MoneyMay_56 (A3), MuchMore_59 (A3), OlanP_55 (A3), Ollie_56 (A3), P28Green_57 (A3), PGHhamlin_58 (A3), Pawn_56 (A3), Pembroke_56 (A3), Penny1_57 (A3), PhishRPhriends_54 (A3), Phoebe_57 (A3), Phoxy_56 (A3), Phranny_57 (A3), PotatoSplit_58 (A3), PurpleHaze_56 (A3), Reba_56 (A3), Rummer_55 (A3), Sabia_56 (A3), Sabinator_55 (A3), Snickers_56 (A3), SoYo_56 (A3), SoilDragon_56 (A3), Soshari_58 (A3), Spike509_56 (A3), Stagni_56 (A3), StepMih_56 (A3), Taurus_57 (A3), Tiffany_56 (A3), Vix_56 (A3), Watson_56 (A3), Wooldri_58 (A3), Zetzy_55 (A3),

Summary by clusters:

There is one cluster represented in this pham: A3

Info for manual annotations of cluster A3:

- Start number 2 was manually annotated 79 times for cluster A3.

Gene Information:

Gene: ACFishhook_55 Start: 36174, Stop: 36061, Start Num: 2

Candidate Starts for ACFishhook_55:

(Start: 2 @36174 has 79 MA's), (3, 36129), (4, 36117),

Gene: Aglet_57 Start: 36213, Stop: 36100, Start Num: 2
Candidate Starts for Aglet_57:
(1, 36282), (Start: 2 @36213 has 79 MA's), (3, 36168), (4, 36156),

Gene: AgronaGT15_55 Start: 36061, Stop: 35948, Start Num: 2
Candidate Starts for AgronaGT15_55:
(1, 36130), (Start: 2 @36061 has 79 MA's), (3, 36016), (4, 36004),

Gene: Anubis_59 Start: 36099, Stop: 35986, Start Num: 2
Candidate Starts for Anubis_59:
(1, 36168), (Start: 2 @36099 has 79 MA's), (3, 36054), (4, 36042),

Gene: AugsMagnumOpus_59 Start: 36204, Stop: 36091, Start Num: 2
Candidate Starts for AugsMagnumOpus_59:
(1, 36273), (Start: 2 @36204 has 79 MA's), (3, 36159), (4, 36147),

Gene: Beauxregard13_56 Start: 36216, Stop: 36103, Start Num: 2
Candidate Starts for Beauxregard13_56:
(1, 36285), (Start: 2 @36216 has 79 MA's), (3, 36171), (4, 36159),

Gene: BreSam8_56 Start: 36206, Stop: 36093, Start Num: 2
Candidate Starts for BreSam8_56:
(1, 36275), (Start: 2 @36206 has 79 MA's), (3, 36161), (4, 36149),

Gene: BuzzBuzz_54 Start: 36240, Stop: 36127, Start Num: 2
Candidate Starts for BuzzBuzz_54:
(1, 36309), (Start: 2 @36240 has 79 MA's), (3, 36195), (4, 36183),

Gene: Colbster_56 Start: 36216, Stop: 36103, Start Num: 2
Candidate Starts for Colbster_56:
(1, 36285), (Start: 2 @36216 has 79 MA's), (3, 36171), (4, 36159),

Gene: Cullens_56 Start: 36212, Stop: 36099, Start Num: 2
Candidate Starts for Cullens_56:
(1, 36281), (Start: 2 @36212 has 79 MA's), (3, 36167), (4, 36155),

Gene: DaHudson_56 Start: 36205, Stop: 36092, Start Num: 2
Candidate Starts for DaHudson_56:
(1, 36274), (Start: 2 @36205 has 79 MA's), (3, 36160), (4, 36148),

Gene: Daishi_55 Start: 35081, Stop: 34968, Start Num: 2
Candidate Starts for Daishi_55:
(1, 35150), (Start: 2 @35081 has 79 MA's), (3, 35036), (4, 35024),

Gene: Dieselweasel_57 Start: 36215, Stop: 36102, Start Num: 2
Candidate Starts for Dieselweasel_57:
(1, 36284), (Start: 2 @36215 has 79 MA's), (3, 36170), (4, 36158),

Gene: EpicPhail_57 Start: 36216, Stop: 36103, Start Num: 2
Candidate Starts for EpicPhail_57:
(1, 36285), (Start: 2 @36216 has 79 MA's), (3, 36171), (4, 36159),

Gene: Farber_56 Start: 36202, Stop: 36089, Start Num: 2

Candidate Starts for Farber_56:

(1, 36271), (Start: 2 @36202 has 79 MA's), (3, 36157), (4, 36145),

Gene: Fernando_56 Start: 36212, Stop: 36099, Start Num: 2

Candidate Starts for Fernando_56:

(1, 36281), (Start: 2 @36212 has 79 MA's), (3, 36167), (4, 36155),

Gene: Gemma_55 Start: 36098, Stop: 35985, Start Num: 2

Candidate Starts for Gemma_55:

(Start: 2 @36098 has 79 MA's), (3, 36053), (4, 36041),

Gene: GingkoMaracino_56 Start: 36098, Stop: 35985, Start Num: 2

Candidate Starts for GingkoMaracino_56:

(1, 36167), (Start: 2 @36098 has 79 MA's), (3, 36053), (4, 36041),

Gene: Grif_56 Start: 36287, Stop: 36174, Start Num: 2

Candidate Starts for Grif_56:

(1, 36356), (Start: 2 @36287 has 79 MA's), (3, 36242), (4, 36230),

Gene: Groupthink_57 Start: 36102, Stop: 35989, Start Num: 2

Candidate Starts for Groupthink_57:

(Start: 2 @36102 has 79 MA's), (3, 36057), (4, 36045),

Gene: Grub_56 Start: 36204, Stop: 36091, Start Num: 2

Candidate Starts for Grub_56:

(1, 36273), (Start: 2 @36204 has 79 MA's), (3, 36159), (4, 36147),

Gene: Grum1_56 Start: 36212, Stop: 36099, Start Num: 2

Candidate Starts for Grum1_56:

(1, 36281), (Start: 2 @36212 has 79 MA's), (3, 36167), (4, 36155),

Gene: GtownJaz_56 Start: 36214, Stop: 36101, Start Num: 2

Candidate Starts for GtownJaz_56:

(1, 36283), (Start: 2 @36214 has 79 MA's), (3, 36169), (4, 36157),

Gene: HashRod_57 Start: 36240, Stop: 36127, Start Num: 2

Candidate Starts for HashRod_57:

(1, 36309), (Start: 2 @36240 has 79 MA's), (3, 36195), (4, 36183),

Gene: HaveUMetTed_57 Start: 36087, Stop: 35974, Start Num: 2

Candidate Starts for HaveUMetTed_57:

(Start: 2 @36087 has 79 MA's), (3, 36042), (4, 36030),

Gene: Heliosoles_55 Start: 36105, Stop: 35992, Start Num: 2

Candidate Starts for Heliosoles_55:

(Start: 2 @36105 has 79 MA's), (3, 36060), (4, 36048),

Gene: Hercules11_56 Start: 36221, Stop: 36108, Start Num: 2

Candidate Starts for Hercules11_56:

(1, 36290), (Start: 2 @36221 has 79 MA's), (3, 36176), (4, 36164),

Gene: JHC117_56 Start: 36211, Stop: 36098, Start Num: 2

Candidate Starts for JHC117_56:

(1, 36280), (Start: 2 @36211 has 79 MA's), (3, 36166), (4, 36154),

Gene: JenCasNa_57 Start: 36212, Stop: 36099, Start Num: 2

Candidate Starts for JenCasNa_57:

(1, 36281), (Start: 2 @36212 has 79 MA's), (3, 36167), (4, 36155),

Gene: JeppNRM_57 Start: 36103, Stop: 35990, Start Num: 2

Candidate Starts for JeppNRM_57:

(Start: 2 @36103 has 79 MA's), (3, 36058), (4, 36046),

Gene: Jobu08_55 Start: 36044, Stop: 35931, Start Num: 2

Candidate Starts for Jobu08_55:

(1, 36113), (Start: 2 @36044 has 79 MA's), (3, 35999), (4, 35987),

Gene: KADY_56 Start: 36240, Stop: 36127, Start Num: 2

Candidate Starts for KADY_56:

(1, 36309), (Start: 2 @36240 has 79 MA's), (3, 36195), (4, 36183),

Gene: Kalb97_57 Start: 36101, Stop: 35988, Start Num: 2

Candidate Starts for Kalb97_57:

(Start: 2 @36101 has 79 MA's), (3, 36056), (4, 36044),

Gene: Kalnoky_57 Start: 36099, Stop: 35986, Start Num: 2

Candidate Starts for Kalnoky_57:

(Start: 2 @36099 has 79 MA's), (3, 36054), (4, 36042),

Gene: LBerry_57 Start: 36216, Stop: 36103, Start Num: 2

Candidate Starts for LBerry_57:

(1, 36285), (Start: 2 @36216 has 79 MA's), (3, 36171), (4, 36159),

Gene: LarryKay_56 Start: 36242, Stop: 36129, Start Num: 2

Candidate Starts for LarryKay_56:

(1, 36311), (Start: 2 @36242 has 79 MA's), (3, 36197), (4, 36185),

Gene: Lilith_57 Start: 36205, Stop: 36092, Start Num: 2

Candidate Starts for Lilith_57:

(1, 36274), (Start: 2 @36205 has 79 MA's), (3, 36160), (4, 36148),

Gene: Louie6_55 Start: 36241, Stop: 36128, Start Num: 2

Candidate Starts for Louie6_55:

(1, 36310), (Start: 2 @36241 has 79 MA's), (3, 36196), (4, 36184),

Gene: LugYA_59 Start: 36213, Stop: 36100, Start Num: 2

Candidate Starts for LugYA_59:

(1, 36282), (Start: 2 @36213 has 79 MA's), (3, 36168), (4, 36156),

Gene: MadMarie_56 Start: 36214, Stop: 36101, Start Num: 2

Candidate Starts for MadMarie_56:

(1, 36283), (Start: 2 @36214 has 79 MA's), (3, 36169), (4, 36157), (5, 36136),

Gene: Mainiac_56 Start: 36206, Stop: 36093, Start Num: 2

Candidate Starts for Mainiac_56:

(1, 36275), (Start: 2 @36206 has 79 MA's), (3, 36161), (4, 36149),

Gene: Malinsilva_58 Start: 36204, Stop: 36091, Start Num: 2
Candidate Starts for Malinsilva_58:
(1, 36273), (Start: 2 @36204 has 79 MA's), (3, 36159), (4, 36147),

Gene: Manu_56 Start: 36102, Stop: 35989, Start Num: 2
Candidate Starts for Manu_56:
(Start: 2 @36102 has 79 MA's), (3, 36057), (4, 36045),

Gene: MarQuardt_56 Start: 36214, Stop: 36101, Start Num: 2
Candidate Starts for MarQuardt_56:
(1, 36283), (Start: 2 @36214 has 79 MA's), (3, 36169), (4, 36157),

Gene: Marie_56 Start: 36212, Stop: 36099, Start Num: 2
Candidate Starts for Marie_56:
(1, 36281), (Start: 2 @36212 has 79 MA's), (3, 36167), (4, 36155),

Gene: Marius_57 Start: 36099, Stop: 35986, Start Num: 2
Candidate Starts for Marius_57:
(Start: 2 @36099 has 79 MA's), (3, 36054), (4, 36042),

Gene: Methuselah_52 Start: 36236, Stop: 36123, Start Num: 2
Candidate Starts for Methuselah_52:
(1, 36305), (Start: 2 @36236 has 79 MA's), (3, 36191), (4, 36179),

Gene: Microwolf_56 Start: 36228, Stop: 36115, Start Num: 2
Candidate Starts for Microwolf_56:
(1, 36297), (Start: 2 @36228 has 79 MA's), (3, 36183), (4, 36171),

Gene: Misomonster_57 Start: 36239, Stop: 36126, Start Num: 2
Candidate Starts for Misomonster_57:
(1, 36308), (Start: 2 @36239 has 79 MA's), (3, 36194), (4, 36182),

Gene: MoneyMay_56 Start: 36212, Stop: 36099, Start Num: 2
Candidate Starts for MoneyMay_56:
(1, 36281), (Start: 2 @36212 has 79 MA's), (3, 36167), (4, 36155),

Gene: MuchMore_59 Start: 36204, Stop: 36091, Start Num: 2
Candidate Starts for MuchMore_59:
(1, 36273), (Start: 2 @36204 has 79 MA's), (3, 36159), (4, 36147),

Gene: OlanP_55 Start: 36275, Stop: 36162, Start Num: 2
Candidate Starts for OlanP_55:
(Start: 2 @36275 has 79 MA's), (3, 36230), (4, 36218),

Gene: Ollie_56 Start: 36083, Stop: 35970, Start Num: 2
Candidate Starts for Ollie_56:
(1, 36152), (Start: 2 @36083 has 79 MA's), (3, 36038), (4, 36026),

Gene: P28Green_57 Start: 36215, Stop: 36102, Start Num: 2
Candidate Starts for P28Green_57:
(1, 36284), (Start: 2 @36215 has 79 MA's), (3, 36170), (4, 36158),

Gene: PGHhamlin_58 Start: 36204, Stop: 36091, Start Num: 2
Candidate Starts for PGHhamlin_58:
(1, 36273), (Start: 2 @36204 has 79 MA's), (3, 36159), (4, 36147),

Gene: Pawn_56 Start: 36106, Stop: 35993, Start Num: 2
Candidate Starts for Pawn_56:
(Start: 2 @36106 has 79 MA's), (3, 36061), (4, 36049),

Gene: Pembroke_56 Start: 36213, Stop: 36100, Start Num: 2
Candidate Starts for Pembroke_56:
(1, 36282), (Start: 2 @36213 has 79 MA's), (3, 36168), (4, 36156),

Gene: Penny1_57 Start: 36216, Stop: 36103, Start Num: 2
Candidate Starts for Penny1_57:
(1, 36285), (Start: 2 @36216 has 79 MA's), (3, 36171), (4, 36159),

Gene: PhishRPhriends_54 Start: 35283, Stop: 35170, Start Num: 2
Candidate Starts for PhishRPhriends_54:
(Start: 2 @35283 has 79 MA's), (3, 35238), (4, 35226),

Gene: Phoebe_57 Start: 36205, Stop: 36092, Start Num: 2
Candidate Starts for Phoebe_57:
(1, 36274), (Start: 2 @36205 has 79 MA's), (3, 36160), (4, 36148),

Gene: Phoxy_56 Start: 36237, Stop: 36124, Start Num: 2
Candidate Starts for Phoxy_56:
(1, 36306), (Start: 2 @36237 has 79 MA's), (3, 36192), (4, 36180),

Gene: Phranny_57 Start: 36088, Stop: 35975, Start Num: 2
Candidate Starts for Phranny_57:
(Start: 2 @36088 has 79 MA's), (3, 36043), (4, 36031),

Gene: PotatoSplit_58 Start: 36216, Stop: 36103, Start Num: 2
Candidate Starts for PotatoSplit_58:
(1, 36285), (Start: 2 @36216 has 79 MA's), (3, 36171), (4, 36159),

Gene: PurpleHaze_56 Start: 36101, Stop: 35988, Start Num: 2
Candidate Starts for PurpleHaze_56:
(Start: 2 @36101 has 79 MA's), (3, 36056), (4, 36044),

Gene: Reba_56 Start: 35761, Stop: 35648, Start Num: 2
Candidate Starts for Reba_56:
(Start: 2 @35761 has 79 MA's), (3, 35716), (4, 35704),

Gene: Rummer_55 Start: 36240, Stop: 36127, Start Num: 2
Candidate Starts for Rummer_55:
(1, 36309), (Start: 2 @36240 has 79 MA's), (3, 36195), (4, 36183),

Gene: Sabia_56 Start: 36221, Stop: 36108, Start Num: 2
Candidate Starts for Sabia_56:
(1, 36290), (Start: 2 @36221 has 79 MA's), (3, 36176), (4, 36164),

Gene: Sabinator_55 Start: 36211, Stop: 36098, Start Num: 2

Candidate Starts for Sabinator_55:

(1, 36280), (Start: 2 @36211 has 79 MA's), (3, 36166), (4, 36154),

Gene: Snickers_56 Start: 36186, Stop: 36073, Start Num: 2

Candidate Starts for Snickers_56:

(1, 36255), (Start: 2 @36186 has 79 MA's), (3, 36141), (4, 36129),

Gene: SoYo_56 Start: 36124, Stop: 36011, Start Num: 2

Candidate Starts for SoYo_56:

(1, 36193), (Start: 2 @36124 has 79 MA's), (3, 36079), (4, 36067),

Gene: SoilDragon_56 Start: 35660, Stop: 35547, Start Num: 2

Candidate Starts for SoilDragon_56:

(1, 35729), (Start: 2 @35660 has 79 MA's), (3, 35615), (4, 35603),

Gene: Soshari_58 Start: 36236, Stop: 36123, Start Num: 2

Candidate Starts for Soshari_58:

(1, 36305), (Start: 2 @36236 has 79 MA's), (3, 36191), (4, 36179),

Gene: Spike509_56 Start: 36237, Stop: 36124, Start Num: 2

Candidate Starts for Spike509_56:

(1, 36306), (Start: 2 @36237 has 79 MA's), (3, 36192), (4, 36180),

Gene: Stagni_56 Start: 36215, Stop: 36102, Start Num: 2

Candidate Starts for Stagni_56:

(1, 36284), (Start: 2 @36215 has 79 MA's), (3, 36170), (4, 36158),

Gene: StepMih_56 Start: 36206, Stop: 36093, Start Num: 2

Candidate Starts for StepMih_56:

(1, 36275), (Start: 2 @36206 has 79 MA's), (3, 36161), (4, 36149),

Gene: Taurus_57 Start: 36212, Stop: 36099, Start Num: 2

Candidate Starts for Taurus_57:

(1, 36281), (Start: 2 @36212 has 79 MA's), (3, 36167), (4, 36155),

Gene: Tiffany_56 Start: 36098, Stop: 35985, Start Num: 2

Candidate Starts for Tiffany_56:

(1, 36167), (Start: 2 @36098 has 79 MA's), (3, 36053), (4, 36041), (5, 36020),

Gene: Vix_56 Start: 36295, Stop: 36182, Start Num: 2

Candidate Starts for Vix_56:

(1, 36364), (Start: 2 @36295 has 79 MA's), (3, 36250), (4, 36238),

Gene: Watson_56 Start: 36204, Stop: 36091, Start Num: 2

Candidate Starts for Watson_56:

(1, 36273), (Start: 2 @36204 has 79 MA's), (3, 36159), (4, 36147),

Gene: Wooldri_58 Start: 36124, Stop: 36011, Start Num: 2

Candidate Starts for Wooldri_58:

(1, 36193), (Start: 2 @36124 has 79 MA's), (3, 36079), (4, 36067),

Gene: Zetzy_55 Start: 35775, Stop: 35662, Start Num: 2

Candidate Starts for Zetzy_55:

(1, 35844), (Start: 2 @35775 has 79 MA's), (3, 35730), (4, 35718),