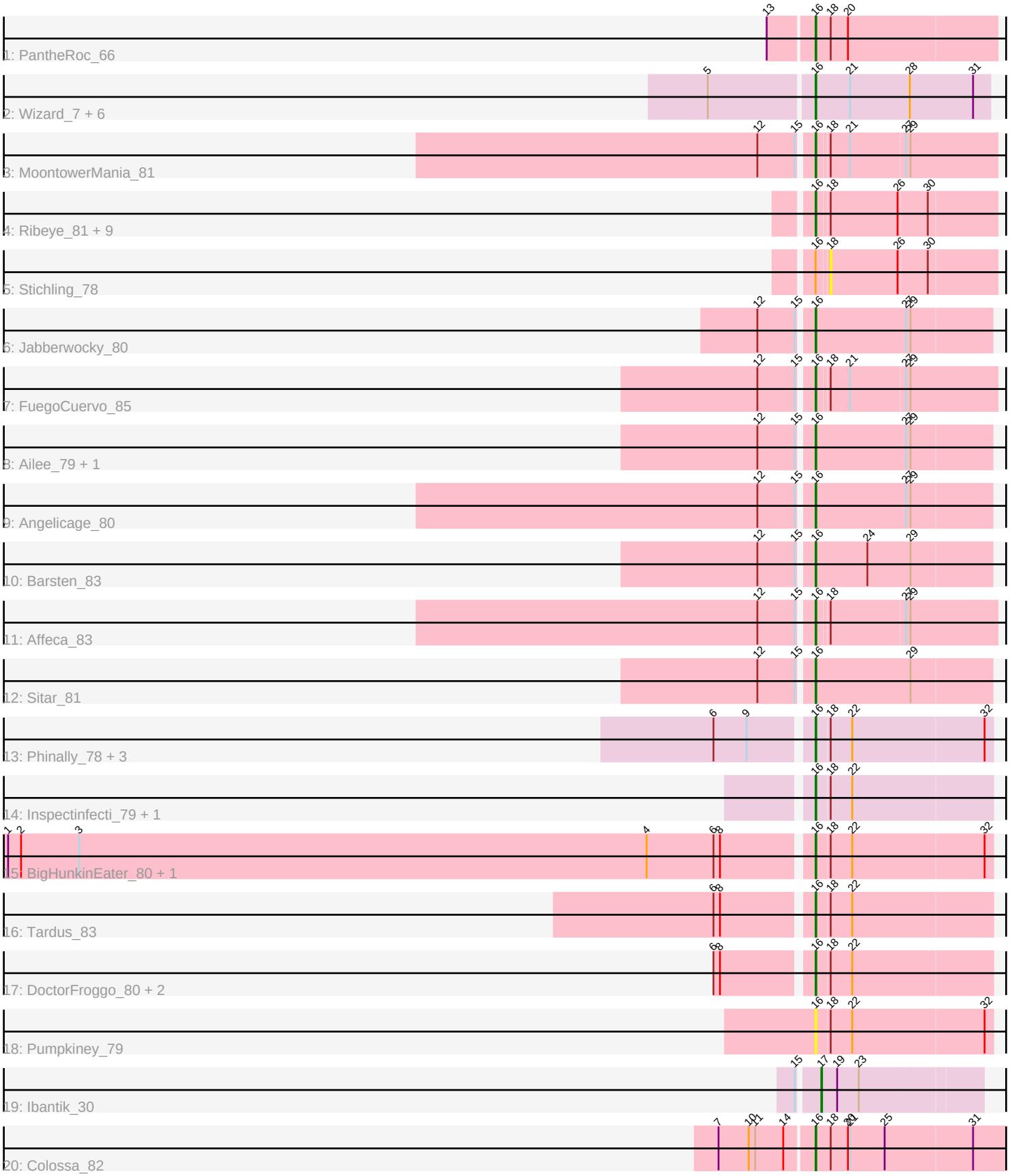
Pham 347771


1: PantheRoc_66
2: Wizard_7 + 6
3: MoontowerMania_81
4: Ribeye_81 + 9
5: Stichling_78
6: Jabberwocky_80
7: FuegoCuervo_85
8: Ailee_79 + 1
9: Angelicage_80
10: Barsten_83
11: Affeca_83
12: Sitar_81
13: Phinally_78 + 3
14: Inspectinfecti_79 + 1
15: BigHunkinEater_80 + 1
16: Tardus_83
17: DoctorFroggo_80 + 2
18: Pumpkiney_79
19: Ibantik_30
20: Colossa_82

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 347771 Report

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

Pham number 347771 has 43 members, 3 are drafts.

Phages represented in each track:
• Track 1 : PantheRoc_66
• Track 2 : Wizard_7, Egi03_7, Fireball_7, Sendy_7, Gezellig_7, Phlop_7, PullumCavea_7
• Track 3 : MoontowerMania_81
• Track 4 : Ribeye_81, Bizzy_82, Gustavo_83, Saronaya_83, Flatwoods_82, Kroos_82, Tycho_81, Tangerine_82, Kwobi_84, Derg_74
• Track 5 : Stichling_78
• Track 6 : Jabberwocky_80
• Track 7 : FuegoCuervo_85
• Track 8 : Ailee_79, Shivanishola_83
• Track 9 : Angelicage_80
• Track 10 : Barsten_83
• Track 11 : Affeca_83
• Track 12 : Sitar_81
• Track 13 : Phinally_78, Leonard_78, Phauci_70, Hans_79
• Track 14 : Inspectinfecti_79, Ali17_75
• Track 15 : BigHunkinEater_80, Zitch_81
• Track 16 : Tardus_83
• Track 17 : DoctorFroggo_80, Verity_79, Delrey21_80
• Track 18 : Pumpkiney_79
• Track 19 : Ibantik_30
• Track 20 : Colossa_82

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

The start number called the most often in the published annotations is 16, it was called in 39 of the 40 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Affeca_83, Ailee_79, Ali17_75, Angelicage_80, Barsten_83, BigHunkinEater_80, Bizzy_82, Colossa_82, Delrey21_80, Derg_74, DoctorFroggo_80, Egi03_7, Fireball_7, Flatwoods_82, FuegoCuervo_85, Gezellig_7, Gustavo_83, Hans_79, Inspectinfecti_79, Jabberwocky_80, Kroos_82, Kwobi_84, Leonard_78, MoontowerMania_81, PantheRoc_66, Phauci_70, Phinally_78, Phlop_7,

PullumCavea_7, Pumpkiney_79, Ribeye_81, Saronaya_83, Sendy_7, Shivanishola_83, Sitar_81, Tangerine_82, Tardus_83, Tycho_81, Verity_79, Wizard_7, Zitch_81,

Genes that have the "Most Annotated" start but do not call it:
• Stichling_78,

Genes that do not have the "Most Annotated" start:
• Ibantik_30,

Summary by start number:

Start 16:
• Found in 42 of 43 (97.7%) of genes in pham
• Manual Annotations of this start: 39 of 40
• Called 97.6% of time when present
• Phage (with cluster) where this start called: Affeca_83 (DE1), Ailee_79 (DE1), Ali17_75 (DE2), Angelicage_80 (DE1), Barsten_83 (DE1), BigHunkinEater_80 (DE4), Bizzy_82 (DE1), Colossa_82 (KA), Delrey21_80 (DE4), Derg_74 (DE1), DoctorFroggo_80 (DE4), Egi03_7 (DC1), Fireball_7 (DC1), Flatwoods_82 (DE1), FuegoCuervo_85 (DE1), Gezellig_7 (DC1), Gustavo_83 (DE1), Hans_79 (DE2), Inspectinfecti_79 (DE2), Jabberwocky_80 (DE1), Kroos_82 (DE1), Kwobi_84 (DE1), Leonard_78 (DE2), MoontowerMania_81 (DE1), PantheRoc_66 (CZ3), Phauci_70 (DE2), Phinally_78 (DE2), Phlop_7 (DC1), PullumCavea_7 (DC1), Pumpkiney_79 (DE4), Ribeye_81 (DE1), Saronaya_83 (DE1), Sendy_7 (DC1), Shivanishola_83 (DE1), Sitar_81 (DE1), Tangerine_82 (DE1), Tardus_83 (DE4), Tycho_81 (DE1), Verity_79 (DE4), Wizard_7 (DC1), Zitch_81 (DE4),

Start 17:
• Found in 1 of 43 (2.3%) 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: Ibantik_30 (JN),

Start 18:
• Found in 29 of 43 (67.4%) of genes in pham
• No Manual Annotations of this start.
• Called 3.4% of time when present
• Phage (with cluster) where this start called: Stichling_78 (DE1),

Summary by clusters:

There are 7 clusters represented in this pham: KA, DE1, DE2, DE4, JN, CZ3, DC1,

Info for manual annotations of cluster CZ3:
•Start number 16 was manually annotated 1 time for cluster CZ3.

Info for manual annotations of cluster DC1:
•Start number 16 was manually annotated 6 times for cluster DC1.

Info for manual annotations of cluster DE1:
•Start number 16 was manually annotated 19 times for cluster DE1.

Info for manual annotations of cluster DE2:
•Start number 16 was manually annotated 6 times for cluster DE2.

Info for manual annotations of cluster DE4:
•Start number 16 was manually annotated 6 times for cluster DE4.

Info for manual annotations of cluster JN:
•Start number 17 was manually annotated 1 time for cluster JN.

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

Gene Information:

Gene: Affeca_83 Start: 57314, Stop: 57556, Start Num: 16
Candidate Starts for Affeca_83:
(12, 57248), (15, 57296), (Start: 16 @57314 has 39 MA's), (18, 57329), (27, 57431), (29, 57437),

Gene: Ailee_79 Start: 56341, Stop: 56583, Start Num: 16
Candidate Starts for Ailee_79:
(12, 56275), (15, 56323), (Start: 16 @56341 has 39 MA's), (27, 56467), (29, 56473),

Gene: Ali17_75 Start: 54408, Stop: 54647, Start Num: 16
Candidate Starts for Ali17_75:
(Start: 16 @54408 has 39 MA's), (18, 54426), (22, 54456),

Gene: Angelicage_80 Start: 57282, Stop: 57524, Start Num: 16
Candidate Starts for Angelicage_80:
(12, 57216), (15, 57264), (Start: 16 @57282 has 39 MA's), (27, 57408), (29, 57414),

Gene: Barsten_83 Start: 57245, Stop: 57487, Start Num: 16
Candidate Starts for Barsten_83:
(12, 57179), (15, 57227), (Start: 16 @57245 has 39 MA's), (24, 57317), (29, 57377),

Gene: BigHunkinEater_80 Start: 55013, Stop: 55252, Start Num: 16
Candidate Starts for BigHunkinEater_80:
(1, 53909), (2, 53927), (3, 54008), (4, 54797), (6, 54890), (8, 54899), (Start: 16 @55013 has 39 MA's), (18, 55031), (22, 55061), (32, 55241),

Gene: Bizzy_82 Start: 55643, Stop: 55882, Start Num: 16
Candidate Starts for Bizzy_82:
(Start: 16 @55643 has 39 MA's), (18, 55658), (26, 55751), (30, 55790),

Gene: Colossa_82 Start: 46578, Stop: 46835, Start Num: 16
Candidate Starts for Colossa_82:
(7, 46455), (10, 46497), (11, 46506), (14, 46542), (Start: 16 @46578 has 39 MA's), (18, 46596), (20, 46620), (21, 46623), (25, 46671), (31, 46791),

Gene: Delrey21_80 Start: 57154, Stop: 57393, Start Num: 16
Candidate Starts for Delrey21_80:
(6, 57031), (8, 57040), (Start: 16 @57154 has 39 MA's), (18, 57172), (22, 57202),

Gene: Derg_74 Start: 54265, Stop: 54504, Start Num: 16
Candidate Starts for Derg_74:
(Start: 16 @54265 has 39 MA's), (18, 54280), (26, 54373), (30, 54412),

Gene: DoctorFroggo_80 Start: 57154, Stop: 57393, Start Num: 16
Candidate Starts for DoctorFroggo_80:
(6, 57031), (8, 57040), (Start: 16 @57154 has 39 MA's), (18, 57172), (22, 57202),

Gene: Egi03_7 Start: 3557, Stop: 3793, Start Num: 16
Candidate Starts for Egi03_7:
(5, 3416), (Start: 16 @3557 has 39 MA's), (21, 3602), (28, 3683), (31, 3770),

Gene: Fireball_7 Start: 3557, Stop: 3793, Start Num: 16
Candidate Starts for Fireball_7:
(5, 3416), (Start: 16 @3557 has 39 MA's), (21, 3602), (28, 3683), (31, 3770),

Gene: Flatwoods_82 Start: 55178, Stop: 55417, Start Num: 16
Candidate Starts for Flatwoods_82:
(Start: 16 @55178 has 39 MA's), (18, 55193), (26, 55286), (30, 55325),

Gene: FuegoCuervo_85 Start: 56784, Stop: 57026, Start Num: 16
Candidate Starts for FuegoCuervo_85:
(12, 56718), (15, 56766), (Start: 16 @56784 has 39 MA's), (18, 56799), (21, 56826), (27, 56901), (29, 56907),

Gene: Gezellig_7 Start: 3557, Stop: 3793, Start Num: 16
Candidate Starts for Gezellig_7:
(5, 3416), (Start: 16 @3557 has 39 MA's), (21, 3602), (28, 3683), (31, 3770),

Gene: Gustavo_83 Start: 56361, Stop: 56600, Start Num: 16
Candidate Starts for Gustavo_83:
(Start: 16 @56361 has 39 MA's), (18, 56376), (26, 56469), (30, 56508),

Gene: Hans_79 Start: 55335, Stop: 55574, Start Num: 16
Candidate Starts for Hans_79:
(6, 55212), (9, 55257), (Start: 16 @55335 has 39 MA's), (18, 55353), (22, 55383), (32, 55563),

Gene: Ibantik_30 Start: 14992, Stop: 14777, Start Num: 17
Candidate Starts for Ibantik_30:
(15, 15019), (Start: 17 @14992 has 1 MA's), (19, 14971), (23, 14941),

Gene: Inspectinfecti_79 Start: 55312, Stop: 55551, Start Num: 16
Candidate Starts for Inspectinfecti_79:
(Start: 16 @55312 has 39 MA's), (18, 55330), (22, 55360),

Gene: Jabberwocky_80 Start: 57354, Stop: 57596, Start Num: 16
Candidate Starts for Jabberwocky_80:
(12, 57288), (15, 57336), (Start: 16 @57354 has 39 MA's), (27, 57480), (29, 57486),

Gene: Kroos_82 Start: 56304, Stop: 56543, Start Num: 16
Candidate Starts for Kroos_82:
(Start: 16 @56304 has 39 MA's), (18, 56319), (26, 56412), (30, 56451),

Gene: Kwobi_84 Start: 56813, Stop: 57052, Start Num: 16
Candidate Starts for Kwobi_84:
(Start: 16 @56813 has 39 MA's), (18, 56828), (26, 56921), (30, 56960),

Gene: Leonard_78 Start: 55375, Stop: 55614, Start Num: 16
Candidate Starts for Leonard_78:
(6, 55252), (9, 55297), (Start: 16 @55375 has 39 MA's), (18, 55393), (22, 55423), (32, 55603),

Gene: MoontowerMania_81 Start: 57695, Stop: 57937, Start Num: 16
Candidate Starts for MoontowerMania_81:
(12, 57629), (15, 57677), (Start: 16 @57695 has 39 MA's), (18, 57710), (21, 57737), (27, 57812), (29, 57818),

Gene: PantheRoc_66 Start: 44024, Stop: 44269, Start Num: 16
Candidate Starts for PantheRoc_66:
(13, 43970), (Start: 16 @44024 has 39 MA's), (18, 44042), (20, 44066),

Gene: Phauci_70 Start: 52412, Stop: 52651, Start Num: 16
Candidate Starts for Phauci_70:
(6, 52289), (9, 52334), (Start: 16 @52412 has 39 MA's), (18, 52430), (22, 52460), (32, 52640),

Gene: Phinally_78 Start: 55372, Stop: 55611, Start Num: 16
Candidate Starts for Phinally_78:
(6, 55249), (9, 55294), (Start: 16 @55372 has 39 MA's), (18, 55390), (22, 55420), (32, 55600),

Gene: Phlop_7 Start: 3557, Stop: 3793, Start Num: 16
Candidate Starts for Phlop_7:
(5, 3416), (Start: 16 @3557 has 39 MA's), (21, 3602), (28, 3683), (31, 3770),

Gene: PullumCavea_7 Start: 3557, Stop: 3793, Start Num: 16
Candidate Starts for PullumCavea_7:
(5, 3416), (Start: 16 @3557 has 39 MA's), (21, 3602), (28, 3683), (31, 3770),

Gene: Pumpkiney_79 Start: 53976, Stop: 54215, Start Num: 16
Candidate Starts for Pumpkiney_79:
(Start: 16 @53976 has 39 MA's), (18, 53994), (22, 54024), (32, 54204),

Gene: Ribeye_81 Start: 55504, Stop: 55743, Start Num: 16
Candidate Starts for Ribeye_81:
(Start: 16 @55504 has 39 MA's), (18, 55519), (26, 55612), (30, 55651),

Gene: Saronaya_83 Start: 56361, Stop: 56600, Start Num: 16
Candidate Starts for Saronaya_83:
(Start: 16 @56361 has 39 MA's), (18, 56376), (26, 56469), (30, 56508),

Gene: Sendy_7 Start: 3557, Stop: 3793, Start Num: 16
Candidate Starts for Sendy_7:
(5, 3416), (Start: 16 @3557 has 39 MA's), (21, 3602), (28, 3683), (31, 3770),

Gene: Shivanishola_83 Start: 55640, Stop: 55882, Start Num: 16
Candidate Starts for Shivanishola_83:
(12, 55574), (15, 55622), (Start: 16 @55640 has 39 MA's), (27, 55766), (29, 55772),

Gene: Sitar_81 Start: 57762, Stop: 58004, Start Num: 16
Candidate Starts for Sitar_81:
(12, 57696), (15, 57744), (Start: 16 @57762 has 39 MA's), (29, 57894),

Gene: Stichling_78 Start: 55322, Stop: 55546, Start Num: 18
Candidate Starts for Stichling_78:
(Start: 16 @55307 has 39 MA's), (18, 55322), (26, 55415), (30, 55454),

Gene: Tangerine_82 Start: 55637, Stop: 55876, Start Num: 16
Candidate Starts for Tangerine_82:
(Start: 16 @55637 has 39 MA's), (18, 55652), (26, 55745), (30, 55784),

Gene: Tardus_83 Start: 56466, Stop: 56705, Start Num: 16
Candidate Starts for Tardus_83:
(6, 56343), (8, 56352), (Start: 16 @56466 has 39 MA's), (18, 56484), (22, 56514),

Gene: Tycho_81 Start: 55839, Stop: 56078, Start Num: 16
Candidate Starts for Tycho_81:
(Start: 16 @55839 has 39 MA's), (18, 55854), (26, 55947), (30, 55986),

Gene: Verity_79 Start: 57016, Stop: 57255, Start Num: 16
Candidate Starts for Verity_79:
(6, 56893), (8, 56902), (Start: 16 @57016 has 39 MA's), (18, 57034), (22, 57064),

Gene: Wizard_7 Start: 3557, Stop: 3793, Start Num: 16
Candidate Starts for Wizard_7:
(5, 3416), (Start: 16 @3557 has 39 MA's), (21, 3602), (28, 3683), (31, 3770),

Gene: Zitch_81 Start: 55195, Stop: 55434, Start Num: 16
Candidate Starts for Zitch_81:
(1, 54091), (2, 54109), (3, 54190), (4, 54979), (6, 55072), (8, 55081), (Start: 16 @55195 has 39 MA's),
(18, 55213), (22, 55243), (32, 55423),