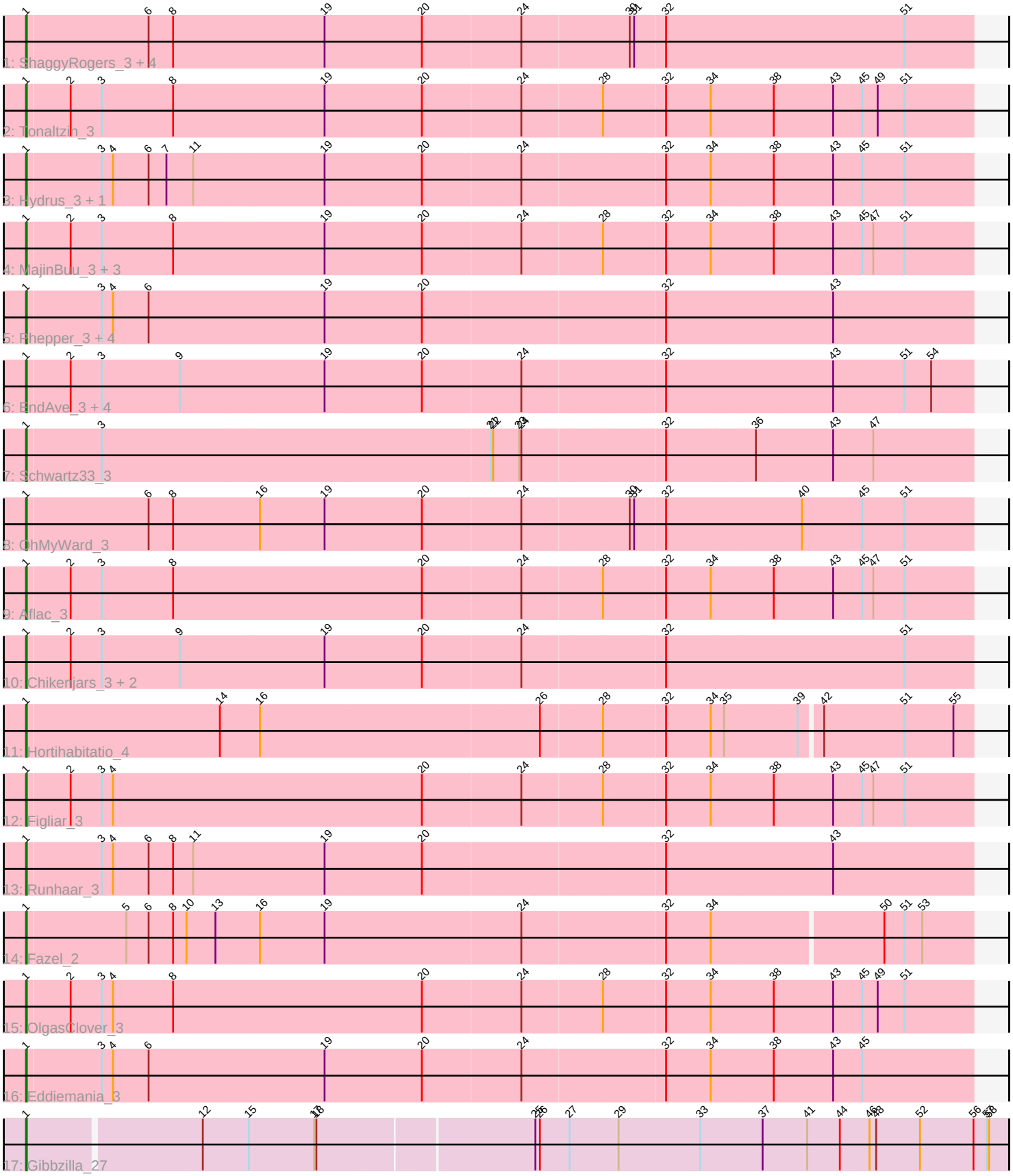
Pham 347854


1: ShaggyRogers_3 + 4
2: Tonaltzin_3
3: Hydrus_3 + 1
4: MajinBuu_3 + 3
5: Rhepper_3 + 4
6: EndAve_3 + 4
7: Schwartz33_3
8: OhMyWard_3
9: Aflac_3
10: Chikenjars_3 + 2
11: Hortihabitatio_4
12: Figliar_3
13: Runhaar_3
14: Fazel_2
15: OlgasClover_3
16: Eddiemania_3
17: Gibbzilla_27

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 347854 Report

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

Pham number 347854 has 35 members, 1 are drafts.

Phages represented in each track:
- Track 1 : ShaggyRogers_3, Gusicorn_3, BetterYeti_3, Aloe25_3, PestoPenguin_3
- Track 2 : Tonaltzin_3
- Track 3 : Hydrus_3, Zeph_3
- Track 4 : MajinBuu_3, TenaciousP_3, BluerMoon_3, Jodelie19_3
- Track 5 : Phepper_3, Burley_3, Madvan_3, Vardy_3, Nadmeg_3
- Track 6 : EndAve_3, AlainaMarie_3, Citrus_3, Glintora_3, Luthien_3
- Track 7 : Schwartz33_3
- Track 8 : OhMyWard_3
- Track 9 : Aflac_3
- Track 10 : Chikenjars_3, Duffington_3, Nithya_3
- Track 11 : Hortihabitatio_4
- Track 12 : Figliar_3
- Track 13 : Runhaar_3
- Track 14 : Fazel_2
- Track 15 : OlgasClover_3
- Track 16 : Eddiemania_3
- Track 17 : Gibbzilla_27

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

The start number called the most often in the published annotations is 1, it was called in 34 of the 34 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- Aflac_3, AlainaMarie_3, Aloe25_3, BetterYeti_3, BluerMoon_3, Burley_3, Chikenjars_3, Citrus_3, Duffington_3, Eddiemania_3, EndAve_3, Fazel_2, Figliar_3, Gibbzilla_27, Glintora_3, Gusicorn_3, Hortihabitatio_4, Hydrus_3, Jodelie19_3, Luthien_3, Madvan_3, MajinBuu_3, Nadmeg_3, Nithya_3, OhMyWard_3, OlgasClover_3, PestoPenguin_3, Phepper_3, Runhaar_3, Schwartz33_3, ShaggyRogers_3, TenaciousP_3, Tonaltzin_3, Vardy_3, Zeph_3,

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 1:
• Found in 35 of 35 (100.0%) of genes in pham
• Manual Annotations of this start: 34 of 34
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aflac_3 (DJ), AlainaMarie_3 (DJ), Aloe25_3 (DJ), BetterYeti_3 (DJ), BluerMoon_3 (DJ), Burley_3 (DJ), Chikenjars_3 (DJ), Citrus_3 (DJ), Duffington_3 (DJ), Eddiemania_3 (DJ), EndAve_3 (DJ), Fazel_2 (DJ), Figliar_3 (DJ), Gibbzilla_27 (FB), Glintora_3 (DJ), Gusicorn_3 (DJ), Hortihabitatio_4 (DJ), Hydrus_3 (DJ), Jodelie19_3 (DJ), Luthien_3 (DJ), Madvan_3 (DJ), MajinBuu_3 (DJ), Nadmeg_3 (DJ), Nithya_3 (DJ), OhMyWard_3 (DJ), OlgasClover_3 (DJ), PestoPenguin_3 (DJ), Phepper_3 (DJ), Runhaar_3 (DJ), Schwartz33_3 (DJ), ShaggyRogers_3 (DJ), TenaciousP_3 (DJ), Tonaltzin_3 (DJ), Vardy_3 (DJ), Zeph_3 (DJ),

Summary by clusters:

There are 2 clusters represented in this pham: FB, DJ,

Info for manual annotations of cluster DJ:
•Start number 1 was manually annotated 33 times for cluster DJ.

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

Gene Information:

Gene: Aflac_3 Start: 630, Stop: 1874, Start Num: 1
Candidate Starts for Aflac_3:
(Start: 1 @630 has 34 MA's), (2, 687), (3, 729), (8, 825), (20, 1155), (24, 1284), (28, 1389), (32, 1467), (34, 1527), (38, 1608), (43, 1686), (45, 1725), (47, 1740), (51, 1782),

Gene: AlainaMarie_3 Start: 630, Stop: 1874, Start Num: 1
Candidate Starts for AlainaMarie_3:
(Start: 1 @630 has 34 MA's), (2, 687), (3, 729), (9, 834), (19, 1026), (20, 1155), (24, 1284), (32, 1467), (43, 1686), (51, 1782), (54, 1818),

Gene: Aloe25_3 Start: 630, Stop: 1874, Start Num: 1
Candidate Starts for Aloe25_3:
(Start: 1 @630 has 34 MA's), (6, 792), (8, 825), (19, 1026), (20, 1155), (24, 1284), (30, 1422), (31, 1428), (32, 1467), (51, 1782),

Gene: BetterYeti_3 Start: 630, Stop: 1874, Start Num: 1
Candidate Starts for BetterYeti_3:
(Start: 1 @630 has 34 MA's), (6, 792), (8, 825), (19, 1026), (20, 1155), (24, 1284), (30, 1422), (31, 1428), (32, 1467), (51, 1782),

Gene: BluerMoon_3 Start: 630, Stop: 1874, Start Num: 1
Candidate Starts for BluerMoon_3:
(Start: 1 @630 has 34 MA's), (2, 687), (3, 729), (8, 825), (19, 1026), (20, 1155), (24, 1284), (28, 1389), (32, 1467), (34, 1527), (38, 1608), (43, 1686), (45, 1725), (47, 1740), (51, 1782),

Gene: Burley_3 Start: 630, Stop: 1874, Start Num: 1
Candidate Starts for Burley_3:
(Start: 1 @630 has 34 MA's), (3, 729), (4, 744), (6, 792), (19, 1026), (20, 1155), (32, 1467), (43, 1686),

Gene: Chikenjars_3 Start: 630, Stop: 1874, Start Num: 1
Candidate Starts for Chikenjars_3:
(Start: 1 @630 has 34 MA's), (2, 687), (3, 729), (9, 834), (19, 1026), (20, 1155), (24, 1284), (32, 1467), (51, 1782),

Gene: Citrus_3 Start: 630, Stop: 1874, Start Num: 1
Candidate Starts for Citrus_3:
(Start: 1 @630 has 34 MA's), (2, 687), (3, 729), (9, 834), (19, 1026), (20, 1155), (24, 1284), (32, 1467), (43, 1686), (51, 1782), (54, 1818),

Gene: Duffington_3 Start: 630, Stop: 1874, Start Num: 1
Candidate Starts for Duffington_3:
(Start: 1 @630 has 34 MA's), (2, 687), (3, 729), (9, 834), (19, 1026), (20, 1155), (24, 1284), (32, 1467), (51, 1782),

Gene: Eddiemania_3 Start: 630, Stop: 1874, Start Num: 1
Candidate Starts for Eddiemania_3:
(Start: 1 @630 has 34 MA's), (3, 729), (4, 744), (6, 792), (19, 1026), (20, 1155), (24, 1284), (32, 1467), (34, 1527), (38, 1608), (43, 1686), (45, 1725),

Gene: EndAve_3 Start: 630, Stop: 1874, Start Num: 1
Candidate Starts for EndAve_3:
(Start: 1 @630 has 34 MA's), (2, 687), (3, 729), (9, 834), (19, 1026), (20, 1155), (24, 1284), (32, 1467), (43, 1686), (51, 1782), (54, 1818),

Gene: Fazel_2 Start: 373, Stop: 1608, Start Num: 1
Candidate Starts for Fazel_2:
(Start: 1 @373 has 34 MA's), (5, 505), (6, 535), (8, 568), (10, 586), (13, 625), (16, 682), (19, 769), (24, 1027), (32, 1210), (34, 1270), (50, 1489), (51, 1516), (53, 1540),

Gene: Figliar_3 Start: 630, Stop: 1874, Start Num: 1
Candidate Starts for Figliar_3:
(Start: 1 @630 has 34 MA's), (2, 687), (3, 729), (4, 744), (20, 1155), (24, 1284), (28, 1389), (32, 1467), (34, 1527), (38, 1608), (43, 1686), (45, 1725), (47, 1740), (51, 1782),

Gene: Gibbzilla_27 Start: 19645, Stop: 20925, Start Num: 1
Candidate Starts for Gibbzilla_27:
(Start: 1 @19645 has 34 MA's), (12, 19867), (15, 19927), (17, 20014), (18, 20017), (25, 20296), (26, 20302), (27, 20341), (29, 20407), (33, 20515), (37, 20599), (41, 20659), (44, 20701), (46, 20740), (48, 20749), (52, 20806), (56, 20878), (57, 20896), (58, 20899),

Gene: Glintora_3 Start: 630, Stop: 1874, Start Num: 1
Candidate Starts for Glintora_3:

(Start: 1 @630 has 34 MA's), (2, 687), (3, 729), (9, 834), (19, 1026), (20, 1155), (24, 1284), (32, 1467), (43, 1686), (51, 1782), (54, 1818),

Gene: Gusicorn_3 Start: 630, Stop: 1874, Start Num: 1
Candidate Starts for Gusicorn_3:
(Start: 1 @630 has 34 MA's), (6, 792), (8, 825), (19, 1026), (20, 1155), (24, 1284), (30, 1422), (31, 1428), (32, 1467), (51, 1782),

Gene: Hortihabitatio_4 Start: 930, Stop: 2165, Start Num: 1
Candidate Starts for Hortihabitatio_4:
(Start: 1 @930 has 34 MA's), (14, 1188), (16, 1239), (26, 1608), (28, 1689), (32, 1767), (34, 1827), (35, 1842), (39, 1938), (42, 1965), (51, 2073), (55, 2139),

Gene: Hydrus_3 Start: 630, Stop: 1874, Start Num: 1
Candidate Starts for Hydrus_3:
(Start: 1 @630 has 34 MA's), (3, 729), (4, 744), (6, 792), (7, 816), (11, 852), (19, 1026), (20, 1155), (24, 1284), (32, 1467), (34, 1527), (38, 1608), (43, 1686), (45, 1725), (51, 1782),

Gene: Jodelie19_3 Start: 630, Stop: 1874, Start Num: 1
Candidate Starts for Jodelie19_3:
(Start: 1 @630 has 34 MA's), (2, 687), (3, 729), (8, 825), (19, 1026), (20, 1155), (24, 1284), (28, 1389), (32, 1467), (34, 1527), (38, 1608), (43, 1686), (45, 1725), (47, 1740), (51, 1782),

Gene: Luthien_3 Start: 630, Stop: 1874, Start Num: 1
Candidate Starts for Luthien_3:
(Start: 1 @630 has 34 MA's), (2, 687), (3, 729), (9, 834), (19, 1026), (20, 1155), (24, 1284), (32, 1467), (43, 1686), (51, 1782), (54, 1818),

Gene: Madvan_3 Start: 630, Stop: 1874, Start Num: 1
Candidate Starts for Madvan_3:
(Start: 1 @630 has 34 MA's), (3, 729), (4, 744), (6, 792), (19, 1026), (20, 1155), (32, 1467), (43, 1686),

Gene: MajinBuu_3 Start: 630, Stop: 1874, Start Num: 1
Candidate Starts for MajinBuu_3:
(Start: 1 @630 has 34 MA's), (2, 687), (3, 729), (8, 825), (19, 1026), (20, 1155), (24, 1284), (28, 1389), (32, 1467), (34, 1527), (38, 1608), (43, 1686), (45, 1725), (47, 1740), (51, 1782),

Gene: Nadmeg_3 Start: 631, Stop: 1875, Start Num: 1
Candidate Starts for Nadmeg_3:
(Start: 1 @631 has 34 MA's), (3, 730), (4, 745), (6, 793), (19, 1027), (20, 1156), (32, 1468), (43, 1687),

Gene: Nithya_3 Start: 630, Stop: 1874, Start Num: 1
Candidate Starts for Nithya_3:
(Start: 1 @630 has 34 MA's), (2, 687), (3, 729), (9, 834), (19, 1026), (20, 1155), (24, 1284), (32, 1467), (51, 1782),

Gene: OhMyWard_3 Start: 629, Stop: 1873, Start Num: 1
Candidate Starts for OhMyWard_3:
(Start: 1 @629 has 34 MA's), (6, 791), (8, 824), (16, 938), (19, 1025), (20, 1154), (24, 1283), (30, 1421), (31, 1427), (32, 1466), (40, 1643), (45, 1724), (51, 1781),

Gene: OlgasClover_3 Start: 630, Stop: 1874, Start Num: 1
Candidate Starts for OlgasClover_3:

(Start: 1 @630 has 34 MA's), (2, 687), (3, 729), (4, 744), (8, 825), (20, 1155), (24, 1284), (28, 1389), (32, 1467), (34, 1527), (38, 1608), (43, 1686), (45, 1725), (49, 1746), (51, 1782),

Gene: PestoPenguin_3 Start: 630, Stop: 1874, Start Num: 1
Candidate Starts for PestoPenguin_3:
(Start: 1 @630 has 34 MA's), (6, 792), (8, 825), (19, 1026), (20, 1155), (24, 1284), (30, 1422), (31, 1428), (32, 1467), (51, 1782),

Gene: Phepper_3 Start: 630, Stop: 1874, Start Num: 1
Candidate Starts for Phepper_3:
(Start: 1 @630 has 34 MA's), (3, 729), (4, 744), (6, 792), (19, 1026), (20, 1155), (32, 1467), (43, 1686),

Gene: Runhaar_3 Start: 630, Stop: 1874, Start Num: 1
Candidate Starts for Runhaar_3:
(Start: 1 @630 has 34 MA's), (3, 729), (4, 744), (6, 792), (8, 825), (11, 852), (19, 1026), (20, 1155), (32, 1467), (43, 1686),

Gene: Schwartz33_3 Start: 629, Stop: 1873, Start Num: 1
Candidate Starts for Schwartz33_3:
(Start: 1 @629 has 34 MA's), (3, 728), (21, 1244), (22, 1247), (23, 1280), (24, 1283), (32, 1466), (36, 1583), (43, 1685), (47, 1739),

Gene: ShaggyRogers_3 Start: 630, Stop: 1874, Start Num: 1
Candidate Starts for ShaggyRogers_3:
(Start: 1 @630 has 34 MA's), (6, 792), (8, 825), (19, 1026), (20, 1155), (24, 1284), (30, 1422), (31, 1428), (32, 1467), (51, 1782),

Gene: TenaciousP_3 Start: 630, Stop: 1874, Start Num: 1
Candidate Starts for TenaciousP_3:
(Start: 1 @630 has 34 MA's), (2, 687), (3, 729), (8, 825), (19, 1026), (20, 1155), (24, 1284), (28, 1389), (32, 1467), (34, 1527), (38, 1608), (43, 1686), (45, 1725), (47, 1740), (51, 1782),

Gene: Tonaltzin_3 Start: 630, Stop: 1874, Start Num: 1
Candidate Starts for Tonaltzin_3:
(Start: 1 @630 has 34 MA's), (2, 687), (3, 729), (8, 825), (19, 1026), (20, 1155), (24, 1284), (28, 1389), (32, 1467), (34, 1527), (38, 1608), (43, 1686), (45, 1725), (49, 1746), (51, 1782),

Gene: Vardy_3 Start: 629, Stop: 1873, Start Num: 1
Candidate Starts for Vardy_3:
(Start: 1 @629 has 34 MA's), (3, 728), (4, 743), (6, 791), (19, 1025), (20, 1154), (32, 1466), (43, 1685),

Gene: Zeph_3 Start: 630, Stop: 1874, Start Num: 1
Candidate Starts for Zeph_3:
(Start: 1 @630 has 34 MA's), (3, 729), (4, 744), (6, 792), (7, 816), (11, 852), (19, 1026), (20, 1155), (24, 1284), (32, 1467), (34, 1527), (38, 1608), (43, 1686), (45, 1725), (51, 1782),