

Figure 1: Forest plot of analysis of LTF rs1126478 polymorphism in high dental caries group compared to control group

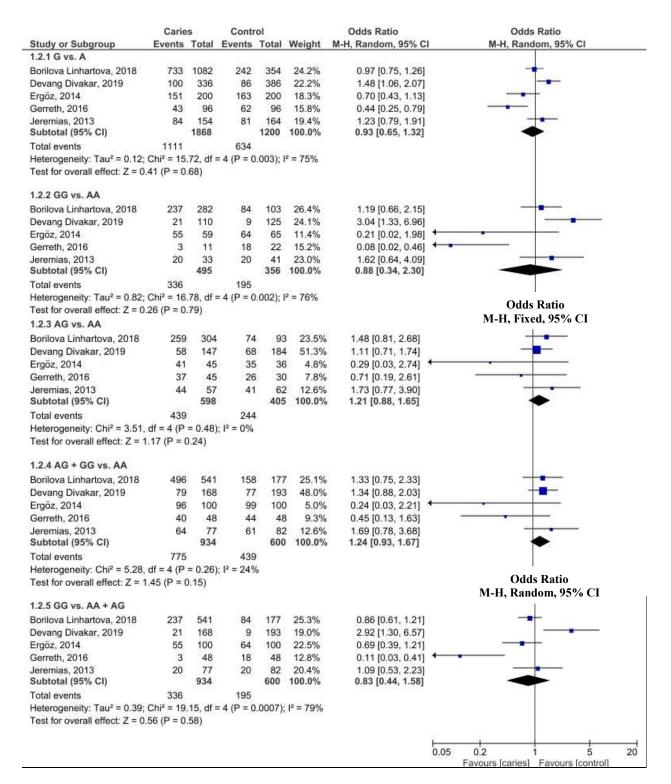
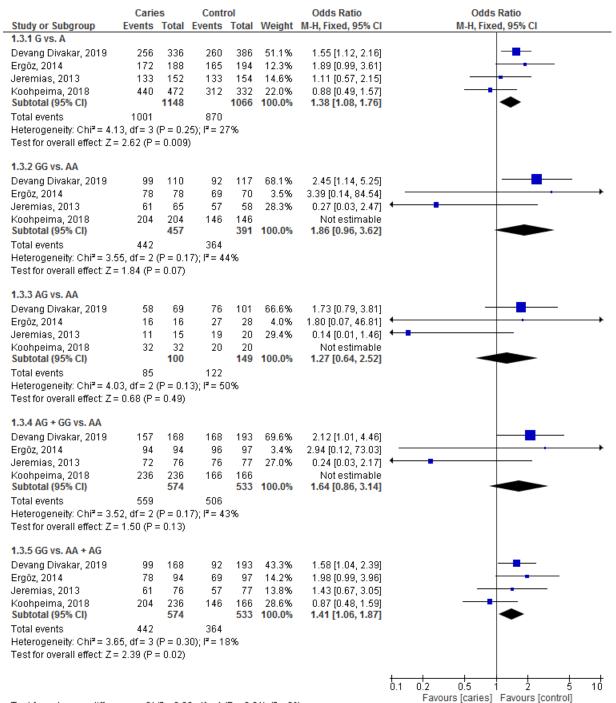
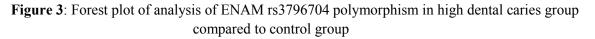


Figure 2: Forest plot of analysis of ENAM rs1264848 polymorphism in high dental caries group compared to control group

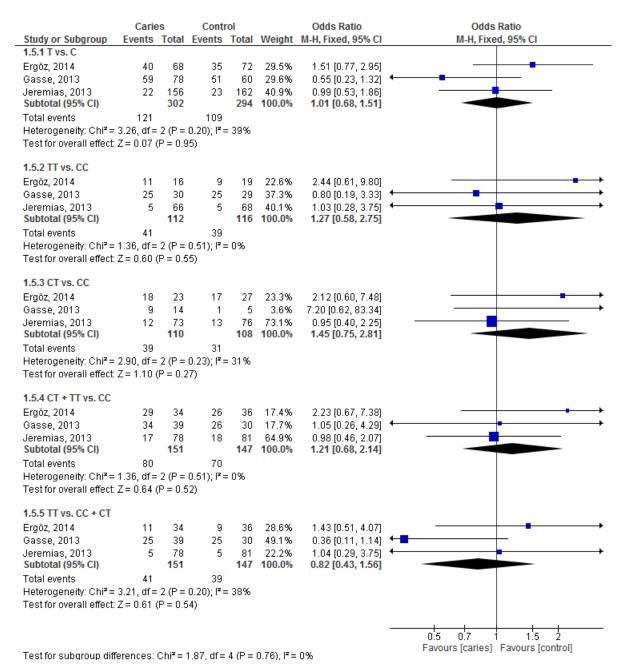


Test for subgroup differences: Chi<sup>2</sup> = 0.99, df = 4 (P = 0.91), l<sup>2</sup> = 0%

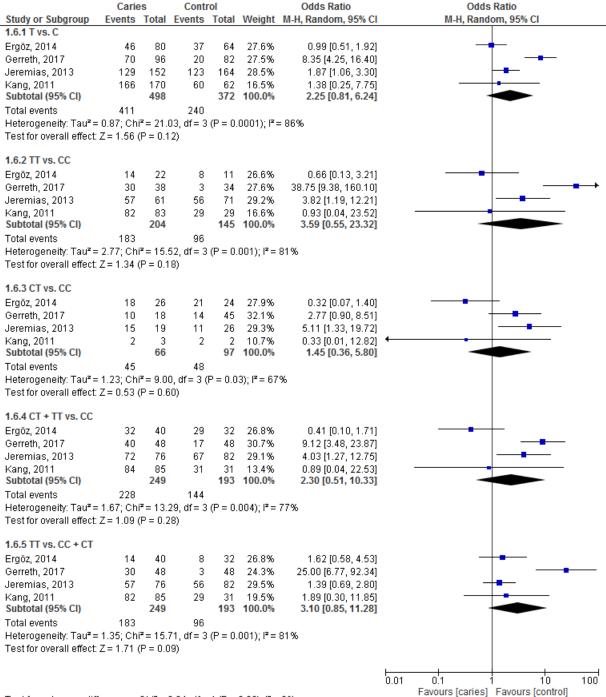


10000	152				Odds Ratio	Odds Ratio
Events	Total	Events	Total	Weight	M-H, Random, 95% C	I M-H, Random, 95% Cl
4	160	8	134	41.2%	0.40 [0.12, 1.37]	
68	1010	42	1000	58.8%	1.65 [1.11, 2.44]	
	1170		1134	100.0%	0.92 [0.24, 3.58]	
72		50				
0.77; Chi <sup>2</sup>	<sup>2</sup> = 4.60	, df = 1 (F	= 0.03	b); l <sup>2</sup> = 78%	5	
Z = 0.12 (	P = 0.9	1)				
76	76	59	59		Not estimable	
2	441	0	458	100.0%	5.22 (0.25, 108.96)	
	517		517	100.0%	5.22 [0.25, 108.96]	
78		59				
licable						
Z = 1.07 (	P = 0.2	9)				
4	80	8	67	40.9%	0.39 [0.11, 1.35]	
64	503	42	500	59.1%	1.59 [1.05, 2.40]	
	583		567	100.0%	0.89 [0.23, 3.48]	
68		50				
0.77; Chi <sup>2</sup>	= 4.43	, df = 1 (F	= 0.04	);   <sup>2</sup> = 77%	3	
Z = 0.16 (	P = 0.8	7)				
4	80	8	67	41.3%	0.39 [0.11, 1.35]	
66	505	42	500	58.7%	1.64 [1.09, 2.47]	
	585		567	100.0%	0.90 [0.23, 3.63]	
70		50				
0.81; Chi <sup>2</sup>	= 4.63	, df = 1 (F	= 0.03	); l <sup>2</sup> = 78%		Odds Ratio
Z = 0.14 (	P = 0.8	9)				M-H, Fixed, 95% CI
76	80	59	67	86.5%	2.58 [0.74, 8.97]	
2			500		4.97 [0.24, 103.79]	10
	585		567	100.0%	2.90 [0.92, 9.12]	-
78		59				
			= 0%			
Z = 1.82 (	(P = 0.0	07)				
						0.01 0.1 1 10 1
	Events 4 68 72 0.77; Chi <sup>a</sup> Z = 0.12 ( 76 2 78 blicable Z = 1.07 ( 4 64 0.77; Chi <sup>a</sup> Z = 0.16 ( 4 66 70 0.81; Chi <sup>a</sup> Z = 0.14 ( 76 2 78 0.77; Chi <sup>a</sup> 2 78 0.16; df =	$\begin{array}{ccccccc} & 4 & 160 \\ & 68 & 1010 \\ & 1170 \\ & 72 \\ 0.77; Chi^2 = 4.60 \\ Z = 0.12 (P = 0.9 \\ & 76 & 76 \\ & 2 & 441 \\ & 517 \\ & 78 \\ \\ \text{blicable} \\ Z = 1.07 (P = 0.2 \\ & 4 & 80 \\ & 64 & 503 \\ & 583 \\ & 68 \\ 0.77; Chi^2 = 4.43 \\ Z = 0.16 (P = 0.8 \\ & 4 & 80 \\ & 66 & 505 \\ & 585 \\ & 70 \\ & 0.81; Chi^2 = 4.63 \\ Z = 0.14 (P = 0.8 \\ & 76 & 80 \\ & 2 & 505 \\ & 585 \\ & 78 \\ & 0.16, df = 1 (P = 0.8 \\ & 0.110 \\ & 0.100 $	Events     Total     Events       4     160     8       68     1010     42       1170     72     50       0.77; Chi <sup>2</sup> = 4.60, df = 1 (P     2       Z = 0.12 (P = 0.91)     76     76       76     76     59       2     441     0       517     78     59       plicable     2     1.07 (P = 0.29)       4     80     8       64     503     42       583     68     50       0.77; Chi <sup>2</sup> = 4.43, df = 1 (P     2       Z = 0.16 (P = 0.87)     4       4     80     8       66     505     42       585     70     50       0.81; Chi <sup>2</sup> = 4.63, df = 1 (P     2       2     505     0       76     80     59       2     505     0       585     70     50       0.865     78     59	Events     Total     Events     Total       4     160     8     134       68     1010     42     1000       1170     1134     72     50       0.77; Chi² = 4.60, df = 1 (P = 0.03     Z = 0.12 (P = 0.91)     76     79     59       2     441     0     458     517     517       78     59     2     441     458     517       78     59     59     2     441     0     458       517     517     517     517     517     517       78     59     59     2     500     567       64     503     42     500     567       68     50     67     68     50       0.77; Chi² = 4.43, df = 1 (P = 0.04     Z = 0.16 (P = 0.87)     56       4     80     8     67       66     505     42     500       585     567     70     50       0.81; Chi² = 4.63, df = 1 (P = 0.03	Events     Total     Events     Total     Weight       4     160     8     134     41.2%       68     1010     42     1000     58.8%       1170     1134     100.0%       72     50       0.77; Chi² = 4.60, df = 1 (P = 0.03); l² = 78%       Z = 0.12 (P = 0.91)       76     76     59     59       2     441     0     458     100.0%       517     517     100.0%     517     517       78     59     59     2     441     0     458     100.0%       78     59     517     517     100.0%     583     567     100.0%     64     503     42     500     59.1%     583     567     100.0%     68     50       0.77; Chi² = 4.43, df = 1 (P = 0.04); l² = 77%     Z = 0.16 (P = 0.87)     4     80     8     67     41.3%     66     505     42     500     58.7%     585     567     100.0%     70     50 <tr< td=""><td>Events     Total     Events     Total     Weight     M-H, Random, 95% C       4     160     8     134     41.2%     0.40 [0.12, 1.37]       68     1010     42     1000     58.8%     1.65 [1.11, 2.44]       1170     1134     100.0%     0.92 [0.24, 3.58]       72     50     0.77; Chi² = 4.60, df = 1 (P = 0.03); l² = 78%       Z = 0.12 (P = 0.91)     76     76     59     59       Not estimable     2     441     0     458     100.0%     5.22 [0.25, 108.96]       78     59     517     517     100.0%     5.22 [0.25, 108.96]       78     59     517     517     100.0%     5.22 [0.25, 108.96]       78     59     517     517     100.0%     5.22 [0.25, 108.96]       78     59     0.39 [0.11, 1.35]     64     503     42     500     59.1%     1.59 [1.05, 2.40]       68     50     0.77; Chi² = 4.43, df = 1 (P = 0.04); l² = 77%     0.89 [0.23, 3.48]     66     505     567     100.0%     0.99 [0.23, 3.</td></tr<>	Events     Total     Events     Total     Weight     M-H, Random, 95% C       4     160     8     134     41.2%     0.40 [0.12, 1.37]       68     1010     42     1000     58.8%     1.65 [1.11, 2.44]       1170     1134     100.0%     0.92 [0.24, 3.58]       72     50     0.77; Chi² = 4.60, df = 1 (P = 0.03); l² = 78%       Z = 0.12 (P = 0.91)     76     76     59     59       Not estimable     2     441     0     458     100.0%     5.22 [0.25, 108.96]       78     59     517     517     100.0%     5.22 [0.25, 108.96]       78     59     517     517     100.0%     5.22 [0.25, 108.96]       78     59     517     517     100.0%     5.22 [0.25, 108.96]       78     59     0.39 [0.11, 1.35]     64     503     42     500     59.1%     1.59 [1.05, 2.40]       68     50     0.77; Chi² = 4.43, df = 1 (P = 0.04); l² = 77%     0.89 [0.23, 3.48]     66     505     567     100.0%     0.99 [0.23, 3.

Figure 4: Forest plot of analysis of ENAM rs3796703 polymorphism in high dental caries group compared to control group



**Figure 5**: Forest plot of analysis of AMELX rs946252 polymorphism in high dental caries group compared to control group



Test for subgroup differences: Chi<sup>2</sup> = 0.84, df = 4 (P = 0.93), l<sup>2</sup> = 0%

**Figure 6**: Forest plot of analysis of AMELX rs17878486 polymorphism in high dental caries group compared to control group

Study or Subgroup	Carie	-	Contr		Woight	Odds Ratio M-H, Random, 95% Cl	Odds Ratio M-H, Random, 95% Cl
1.7.1 T vs. C	Evenus	TULAI	Evenus	TULAI	weight	M-n, Kalluolli, 95% Cl	M-n, Kalidolli, 95% Ci
Ouryouji, 2008	0	160	0	134		Not estimable	
Yildiz, 2016	35	154	33		100.0%	1.08 [0.63, 1.85]	_ <b>_</b>
Subtotal (95% CI)		314			100.0%	1.08 [0.63, 1.85]	
Total events	35		33				T
Heterogeneity: Not ap							
Test for overall effect:		P = 0.7	'8)				
1.7.2 TT vs. CC							
Ouryouji, 2008	0	80	0	67		Not estimable	
Yildiz, 2016	12	66	12		100.0%	1.04 [0.43, 2.51]	
Subtotal (95% CI)	4.0	146	4.0	100	100.0%	1.04 [0.43, 2.51]	
Total events	12		12				
Heterogeneity: Not ap			un l				
Test for overall effect:	2 = 0.00 (	F = 0.8	(4)				
1.7.3 CT vs. CC							
Ouryouji, 2008	0	80	0	67		Not estimable	L
Yildiz, 2016	11	65	9	65	100.0%	1.27 [0.49, 3.30]	
Subtotal (95% CI)		145		132	100.0%	1.27 [0.49, 3.30]	-
Total events	11		9				
Heterogeneity: Not ap	•						
Test for overall effect:	Z = 0.49 (	P = 0.6	i3)				
1.7.4 CT + TT vs. CC							
Ouryouji, 2008	0	80	0	67		Not estimable	
Yildiz, 2016	23	77	21	77	100.0%	1.14 [0.56, 2.29]	
Subtotal (95% CI)		157		144	100.0%	1.14 [0.56, 2.29]	<b>•</b>
Total events	23		21				
Heterogeneity: Not ap	plicable						
Test for overall effect:	Z = 0.36 (	P = 0.7	2)				
1.7.5 TT vs. CC + CT							
Ouryouji, 2008	0	80	0	67		Not estimable	
Yildiz, 2016	12	77	12		100.0%	1.00 [0.42, 2.39]	
Subtotal (95% CI)		157		144	100.0%	1.00 [0.42, 2.39]	
Total events	12		12				
Heterogeneity: Not ap	•						
Test for overall effect:	Z = 0.00 (	P = 1.0	10)				
							0.01 0.1 1 10 100
Toot for subgroup diff.	ropoor	Chi <b>ž</b> – 1	0.16 df-	4 /D	1 00\ 12-	0%	Favours [caries] Favours [control]
Test for subgroup diff	erences.	Uni-=1	5.16, ul=	4 (F =	1.00), P=	0.70	

Figure 7: Forest plot of analysis of AMELX rs6639060 polymorphism in high dental caries group compared to control group

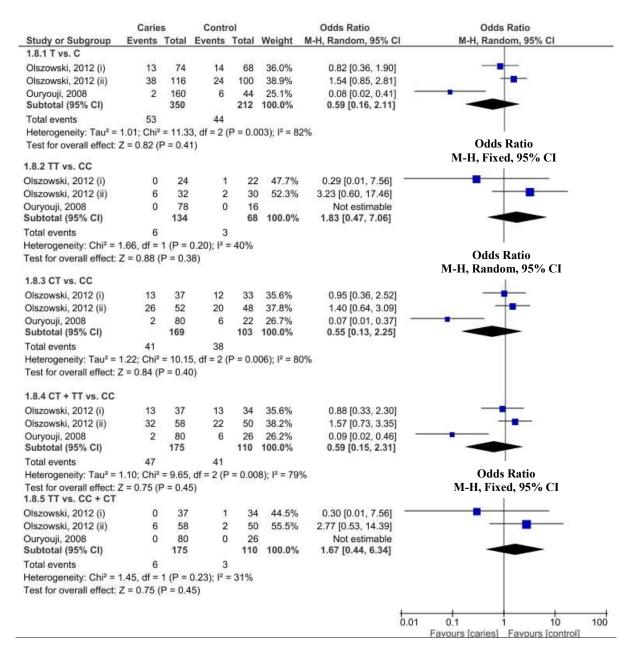


Figure 8: Forest plot of analysis of AMELX rs2106416 polymorphism in high dental caries group compared to control group