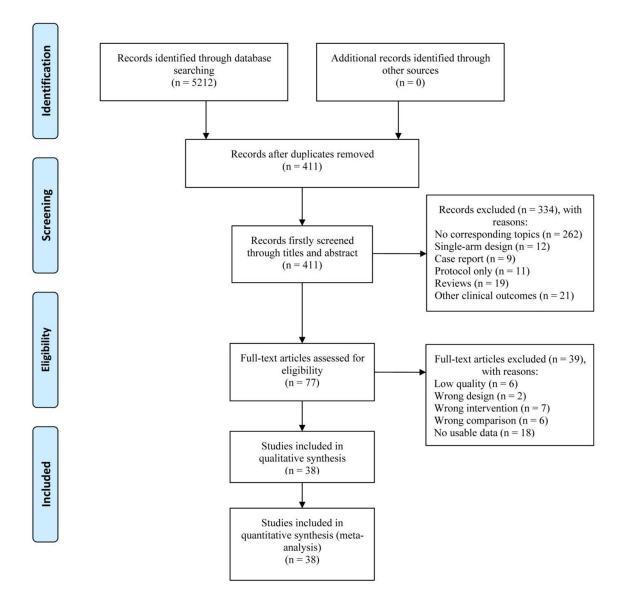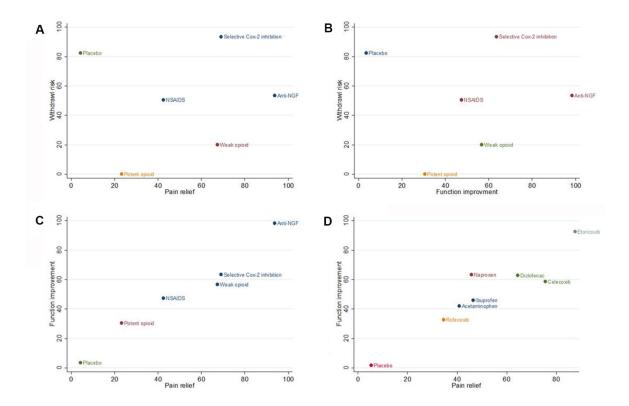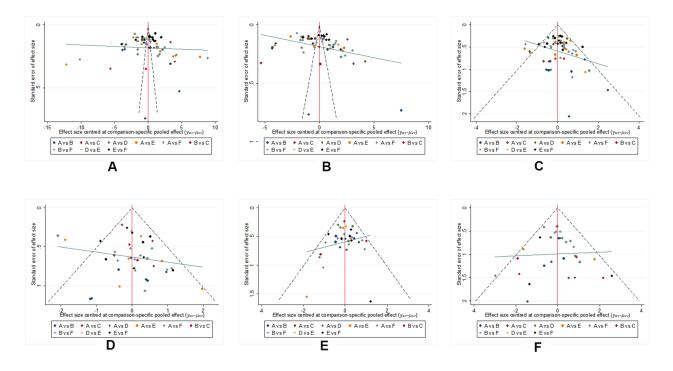# SUPPLEMENTARY FIGURES

Supplementary Figure 1. PRISMA flow diagram.
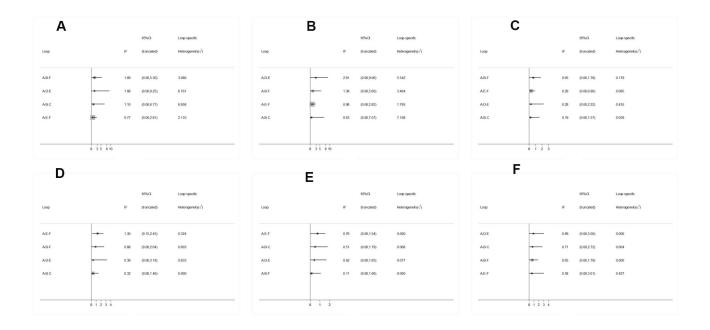
Supplementary Figure 2. Cluster-rank plots. (**A**) The cluster-rank plot of pain relief and withdrawal rate for main network meta-analysis. (**B**) The cluster-rank plot of function improvement and withdrawal rate for main network meta-analysis. (**C**) The cluster-rank plot of pain relief and function improvement for main network meta-analysis. (**D**) The cluster-rank plot of pain relief and function improvement for subgroup analysis comparing different selective COX-2 inhibitor and traditional NSAIDs. (The cluster-rank value is the product of the abscissa and ordinate of each treatment).

Supplementary Figure 3. Funnel plots. (**A**) The funnel plot of pain relief. (**B**) The funnel plot of function improvement. (**C**) The funnel plot of withdrawal related to AEs. (**D**) The funnel plot of nausea AEs. (**E**) The funnel plot of headache AEs. (**F**) The funnel plot of peripheral sensation abnormality AEs.

Supplementary Figure 4. The details of global inconsistency. The P (prob> chi²) <0.05 would be considered as significant inconsistency. (**A**) The global inconsistency of pain relief. (**B**) The global inconsistency of function improvement. (**C**) The global inconsistency of withdrawal related to AEs. (**D**) The global inconsistency of nausea AEs. (**E**) The global inconsistency of headache AEs. (**F**) The global inconsistency of peripheral sensation abnormality AEs.

A

Loop	IF	95%CI (truncated)	Loop-specific Heterogeneity(τ^2)
A-B-F	1.69	(0.00,5.30)	3.080
A-D-E	1.68	(0.00,9.25)	6.761
A-B-C	1.10	(0.00,6.77)	6.858
A-E-F	0.77	(0.00,2.81)	2.133

0 3 5 8 10

B

Loop	IF	95%CI (truncated)	Loop-specific Heterogeneity(τ^2)
A-D-E	2.91	(0.00,9.06)	5.542
A-B-F	1.38	(0.00,5.60)	3.464
A-E-F	0.98	(0.00,2.82)	1.795
A-B-C	0.63	(0.00,7.07)	7.108

0 3 5 8 10

C

Loop	IF	95%CI (truncated)	Loop-specific Heterogeneity(τ^2)
A-B-F	0.65	(0.00,1.78)	0.179
A-E-F	0.29	(0.00,0.90)	0.085
A-D-E	0.28	(0.00,2.22)	0.435
A-B-C	0.19	(0.00,1.57)	0.059

0 1 2 3

D

Loop	IF	95%CI (truncated)	Loop-specific Heterogeneity(τ^2)
A-E-F	1.30	(0.15,2.45)	0.324
A-B-F	0.88	(0.00,2.64)	0.603
A-D-E	0.39	(0.00,3.18)	0.833
A-B-C	0.32	(0.00,1.46)	0.000

0 1 2 3 4

E

Loop	IF	95%CI (truncated)	Loop-specific Heterogeneity(τ^2)
A-E-F	0.76	(0.00,1.54)	0.000
A-B-C	0.51	(0.00,1.79)	0.068
A-D-E	0.42	(0.00,1.65)	0.077
A-B-F	0.11	(0.00,1.06)	0.000

0 1 2

F

Loop	IF	95%CI (truncated)	Loop-specific Heterogeneity(τ^2)
A-D-E	0.89	(0.00,3.00)	0.000
A-B-C	0.71	(0.00,2.72)	0.004
A-B-F	0.65	(0.00,1.79)	0.000
A-E-F	0.58	(0.00,3.01)	0.427

0 1 2 3 4

Supplementary Figure 5. The details of local inconsistency. (**A**) The local inconsistency of pain relief. (**B**) The local inconsistency of function improvement. (**C**) The local inconsistency of withdrawal related to AEs. (**D**) The local inconsistency of nausea AEs. (**E**) The local inconsistency of headache AEs. (**F**) The local inconsistency of peripheral sensation abnormality AEs.