

Supplementary Table 1 Detailed search strategy

PubMed	Search	Search Query
Formula		
1.Irisin-related terms		MeSH:"FNDC5 protein, human" [Supplementary Concept] Free Term:irisin OR FNDC5
2.Disease-related terms		MeSH:Prediabetic state Free Term:Prediabetic States 、 State, Prediabetic 、 States, Prediabetic、 Prediabetes
3.Final search	combined	#1 AND #2
EMBASE		
Search Query		
Formula		
1.Irisin-related terms		MeSH:FNDC5 protein, human Free Term:'irisin':ab,ti OR 'FNDC5':ab,ti
2.Disease-related terms		MeSH:Prediabetic state Free Term:'Prediabetic States':ab,ti OR 'State, Prediabetic':ab,ti OR 'States, Prediabetic':ab,ti OR 'Prediabetes':ab,ti
3.Final search	combined	#1 AND #2
Cochrane		
Search Query		
Formula		
1.Irisin-related terms		MeSH:FNDC5 protein, human Free Term:(irisin):ab,ti,kw OR (FNDC5):ab,ti,kw
2.Disease-related terms		MeSH:Prediabetic state Free Term:(Prediabetic States):ab,ti,kw OR (State, Prediabetic):ab,ti,kw OR (States, Prediabetic):ab,ti,kw OR (Prediabetes):ab,ti,kw

3.Final combined #1 AND #2
search

MeSH: Medical subject heading