

## **SUPPLEMENTARY FILE 2**

### **MEDLINE (OVID interface)**

1. ((Experiment\* adj5 pain) or (experimentally-induced adj4 pain) or (pain-induced or 'experimental induced' or 'experimentally induced') or (induced adj3 pain) or 'induced LBP' or (noxious adj3 stimul\*) or (nociceptive adj3 stimul\*) or (pain\* adj3 stimul\*)).mp
2. (((('hypertonic saline' or capsaicin or glutamate or 'laser evoked potential' or 'laser evoked potentials' or 'nerve growth factor') and pain) or (electric\* adj2 pain\*) or (electric\* adj2 stimul\*) or (mechanic\* adj2 pain\*) or (mechanic\* adj2 stimul\*) or (thermal\* adj2 pain\*) or (thermal\* adj2 stimul\*) or (chemical\* adj2 pain\*) or (chemical\* adj2 stimul\*) or (cutaneous adj2 pain\*) or (cutaneous adj2 stimul\*)).mp or Saline Solution, Hypertonic/ or Electric Stimulation/
3. Back Pain/ or ('back pain' or 'back ache' or backache\*).mp. or exp Low Back Pain/ or ('low back pain' or 'lower back pain' or lumbago or LBP or 'lumbar pain' or 'lumbar spine' or 'low back' or 'lower back').mp
4. 1 or 2
5. 3 and 4

### **EMBASE (OVID interface)**

1. ((Experiment\* adj3 pain) or (experimentally-induced adj3 pain) or (pain-induced or 'experimental induced' or 'experimentally induced') or induced adj3 pain) or 'induced LBP' or (noxious adj3 stimul\*) or (nociceptive adj3 stimul\*) or (pain\* adj3 stimul\*)).mp
2. (((('hypertonic saline' or capsaicin or glutamate or 'laser evoked potential' or 'laser evoked potentials' or 'nerve growth factor') and pain) or (electric\* adj1 pain\*) or (electric\* adj1 stimul\*) or (mechanic\* adj1 pain\*) or (mechanic\* adj1 stimul\*) or (thermal\* adj1 pain\*) or (thermal\* adj1 stimul\*) or (chemical\* adj1 pain\*) or (chemical\* adj1 stimul\*) or (cutaneous adj1 pain\*) or (cutaneous adj1 stimul\*)).mp or Saline Solution, Hypertonic/ or Electric Stimulation/
3. Back Pain/ or ('back pain' or 'back ache' or backache\*).mp. or exp Low Back Pain/ or ('low back pain' or 'lower back pain' or lumbago or LBP or 'lumbar pain' or 'lumbar spine' or 'low back' or 'lower back').mp
4. 1 or 2
5. 3 and 4

### **CINAHL (EBSCO interface)**

((experiment\* N5 pain) OR (experimentally-induced N4 pain) OR pain-induced OR "experimental induced" OR "experimentally induced" OR (induced N3 pain) OR "induced LBP" OR (noxious N3 stimul\*) OR (nociceptive N3 stimul\*) OR (pain\* N3 stimul\*) OR ("hypertonic saline" OR capsaicin OR glutamate OR "laser evoked potential" OR "laser

evoked potentials" OR "nerve growth factor") AND pain) OR (electric\* N2 pain\*) OR (electric\* N2 stimul\*) OR (mechanic\* N2 pain\*) OR (mechanic\* N2 stimul\*) OR (thermal\* N2 pain\*) OR (thermal\* N2 stimul\*) OR (chemical\* N2 pain\*) OR (chemical\* N2 stimul\*) OR (cutaneous N2 pain\*) OR (cutaneous N2 stimul\*)) [TX all text]

AND

("back pain" OR "back ache" OR backache\* OR "low back pain" OR "lower back pain" OR lumbago OR LBP OR "lumbar pain" OR "lumbar spine" OR "low back" OR "lower back" OR (MH "low back pain+") OR (MH "back pain+")) [TX all text]

## ZETOC

1. experimental\* AND "back pain"
2. "hypertonic saline" AND "back pain"
3. capsaicin AND "back pain"
4. electrical\* AND "back pain"
5. thermal\* AND "back pain"
6. chemical\* AND "back pain"
7. cutaneous AND "back pain"
8. "nerve growth factor" AND "back pain"

## PubMed

((("experimental pain"[tw] OR "experimentally-induced pain"[tw] OR "experimentally induced"[tw] OR "pain induced"[tw] OR "induced pain"[tw] OR "induced back pain"[tw] OR "induced low back pain"[tw] OR "experimental low back pain"[tw] OR "experimental back pain"[tw] OR "experimental muscle pain"[tw] OR "experimental LBP"[tw] OR "induced LBP"[tw] OR "noxious stimulation"[tw] OR "noxious stimuli"[tw] OR "nociceptive stimulation"[tw] OR "nociceptive stimuli"[tw] OR "noxious stimulus"[tw] OR "nociceptive stimulus"[tw] OR "pain stimulus"[tw] OR "pain stimulation"[tw] OR "pain stimuli"[tw] OR "painful stimulation"[tw] OR "painful stimuli"[tw] OR "painful stimulus"[tw])

OR

("saline injection"[tw] OR "hypertonic saline"[tw] OR "buffered acidic"[tw] OR "acidic saline"[tw] OR capsaicin[tw] OR "capsaicin"[mesh] OR glutamate[tw] OR "laser evoked potential"[tw] OR "laser evoked potentials"[tw] OR "nerve growth factor"[tw] OR "electrical stimulation"[tw] OR "electrical pain"[tw] OR "electrical stimulus"[tw] OR "electrical stimuli"[tw] OR "thermal stimulation"[tw] OR "thermal stimuli"[tw] OR "thermal stimulus"[tw] OR "thermal pain"[tw] OR "chemical pain"[tw] OR "chemical stimulation"[tw] OR "chemical stimulus"[tw] OR "chemical stimuli"[tw] OR "cutaneous stimulation"[tw] OR "cutaneous stimuli"[tw] OR "cutaneous stimulus"[tw] OR "heat pain"[tw] OR "Saline Solution, Hypertonic"[mesh] OR "Electric Stimulation"[mesh]))

AND

("back pain"[tw] OR "low back pain"[tw] OR backache[tw] OR backaches[tw] OR LBP[tw] OR lumbago[tw] OR "lumbar pain"[tw] OR "back ache"[tw] OR "lumbar spine"[tw] OR "back pain, low"[mesh])

## WEB OF SCIENCE

TI/AB = ((experiment\* NEAR/1 pain) OR (experimentally-induced NEAR/1 pain) OR pain-induced OR "experimental induced" OR "experimentally induced" OR (induced NEAR/1 pain) OR "induced LBP" OR (noxious NEAR/1 stimul\*) OR (nociceptive NEAR/1 stimul\*) OR (pain\* NEAR/1 stimul\*) OR (("hypertonic saline" OR capsaicin OR glutamate OR "laser evoked potential" OR "laser evoked potentials" OR "nerve growth factor") NEAR/5 pain) OR (electric\* NEAR/1 pain\*) OR (electric\* NEAR/1 stimul\*) OR (mechanic\* NEAR/1 pain\*) OR (mechanic\* NEAR/1 stimul\*) OR (thermal\* NEAR/1 pain\*) OR (thermal\* NEAR/1 stimul\*) OR (chemical\* NEAR/1 pain\*) OR (chemical\* NEAR/1 stimul\*) OR (cutaneous NEAR/1 pain\*) OR (cutaneous NEAR/1 stimul\*))

AND

TI/AB = ("back pain" OR "back ache" OR backache\* OR "low back pain" OR "lower back pain" OR lumbago OR LBP OR "lumbar pain" OR "lumbar spine" OR "low back" OR "lower back")